

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143200.D
 Acq On : 22 Jul 2025 20:49
 Operator : RC/JU
 Sample : Q2646-03MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC TANKMSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

Quant Time: Jul 23 04:53:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.987	152	103435	20.000	ng	0.02
21) Naphthalene-d8	8.269	136	358963	20.000	ng	0.02
39) Acenaphthene-d10	10.010	164	160601	20.000	ng	0.01
64) Phenanthrene-d10	11.492	188	270710	20.000	ng	0.00
76) Chrysene-d12	14.151	240	252211	20.000	ng	0.03
86) Perylene-d12	15.651	264	152378	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.787	112	524551	80.252	ng	0.20
7) Phenol-d6	6.675	99	513323	62.394	ng	0.09
23) Nitrobenzene-d5	7.545	82	516027	71.658	ng	0.02
42) 2,4,6-Tribromophenol	10.798	330	183973	110.887	ng	0.01
45) 2-Fluorobiphenyl	9.328	172	888433	75.656	ng	0.00
79) Terphenyl-d14	13.092	244	856096	50.512	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	2.881	88	115793	37.439	ng	# 44
4) n-Nitrosodimethylamine	3.581	42	165712	39.982	ng	# 54
6) Aniline	6.722	93	164620	14.357	ng	# 55
8) 2-Chlorophenol	6.798	128	153843	22.454	ng	92
9) Benzaldehyde	6.557	77	133576	21.652	ng	98
10) Phenol	6.687	94	228748	25.522	ng	95
11) bis(2-Chloroethyl)ether	6.722	93	164620	23.989	ng	94
12) 1,3-Dichlorobenzene	6.934	146	242524	32.585	ng	99
13) 1,4-Dichlorobenzene	7.004	146	270486	36.087	ng	99
14) 1,2-Dichlorobenzene	7.157	146	202665	28.428	ng	99
15) Benzyl Alcohol	7.251	79	560378	89.206	ng	94
16) 2,2'-oxybis(1-Chloropr...	7.192	45	1590555	124.945	ng	82
17) 2-Methylphenol	7.275	107	439726	76.331	ng	# 81
18) Hexachloroethane	7.498	117	94180	36.296	ng	97
19) n-Nitroso-di-n-propyla...	7.410	70	189587	35.918	ng	94
20) 3+4-Methylphenols	7.504	107	364374m	52.132	ng	
22) Acetophenone	7.404	105	359522	42.304	ng	# 96
24) Nitrobenzene	7.569	77	244395	36.402	ng	99
25) Isophorone	7.881	82	497065	39.100	ng	99
26) 2-Nitrophenol	7.881	139	132838	45.589	ng	95
27) 2,4-Dimethylphenol	7.951	122	213236	35.902	ng	98
28) bis(2-Chloroethoxy)met...	8.022	93	299334	39.272	ng	97
29) 2,4-Dichlorophenol	8.157	162	172713	34.481	ng	97
30) 1,2,4-Trichlorobenzene	8.204	180	201757	37.284	ng	99
31) Naphthalene	8.286	128	700722	39.637	ng	100
32) Benzoic acid	8.175	122	231757	66.975	ng	97
33) 4-Chloroaniline	8.286	127	90646	12.557	ng	# 35
34) Hexachlorobutadiene	8.404	225	128243	38.795	ng	98
35) Caprolactam	8.792	113	70195m	46.376	ng	
36) 4-Chloro-3-methylphenol	8.816	107	193269	35.500	ng	99
37) 2-Methylnaphthalene	8.975	142	413694	38.456	ng	99
38) 1-Methylnaphthalene	9.075	142	407705	36.804	ng	99
40) 1,2,4,5-Tetrachloroben...	9.139	216	196497	42.378	ng	99
41) Hexachlorocyclopentadiene	9.128	237	145110	48.098	ng	100
43) 2,4,6-Trichlorophenol	9.251	196	120729	37.622	ng	99
44) 2,4,5-Trichlorophenol	9.298	196	136183	42.425	ng	# 93

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143200.D
 Acq On : 22 Jul 2025 20:49
 Operator : RC/JU
 Sample : Q2646-03MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FRAC TANKMSD

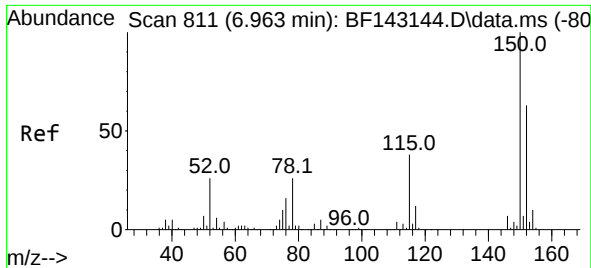
Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

Quant Time: Jul 23 04:53:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

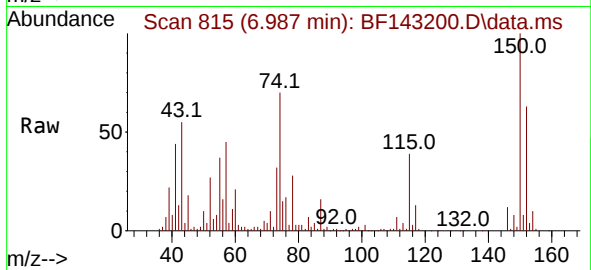
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.433	154	534837	42.684	ng	99
47) 2-Chloronaphthalene	9.457	162	379988	40.985	ng	99
48) 2-Nitroaniline	9.551	65	132243	45.484	ng	98
49) Acenaphthylene	9.869	152	613481	39.484	ng	100
50) Dimethylphthalate	9.728	163	434559	41.511	ng	99
51) 2,6-Dinitrotoluene	9.780	165	95659	44.919	ng	99
52) Acenaphthene	10.045	154	383896	41.804	ng	99
53) 3-Nitroaniline	9.963	138	7585	3.045	ng	# 90
54) 2,4-Dinitrophenol	10.051	184	45245	49.636	ng	93
55) Dibenzofuran	10.216	168	551145	40.423	ng	100
56) 4-Nitrophenol	10.122	139	169940	91.363	ng	95
57) 2,4-Dinitrotoluene	10.186	165	113332	42.418	ng	# 96
58) Fluorene	10.557	166	434047	42.417	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.333	232	113718m	42.767	ng	
60) Diethylphthalate	10.422	149	504664	48.774	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	208242	40.869	ng	98
62) 4-Nitroaniline	10.563	138	26507	12.416	ng	92
63) Azobenzene	10.704	77	411429	38.152	ng	98
65) 4,6-Dinitro-2-methylph...	10.592	198	35210	27.426	ng	84
66) n-Nitrosodiphenylamine	10.663	169	342043	35.882	ng	99
67) 4-Bromophenyl-phenylether	11.033	248	123959	38.423	ng	95
68) Hexachlorobenzene	11.104	284	129142	38.298	ng	96
69) Atrazine	11.233	200	90228	34.333	ng	99
70) Pentachlorophenol	11.304	266	189494	95.559	ng	100
71) Phenanthrene	11.516	178	609324	42.391	ng	100
72) Anthracene	11.569	178	607837	41.463	ng	100
73) Carbazole	11.722	167	582966	45.541	ng	99
74) Di-n-butylphthalate	12.051	149	578170	39.918	ng	100
75) Fluoranthene	12.710	202	672099	50.942	ng	100
78) Pyrene	12.945	202	235511	10.941	ng	98
80) Butylbenzylphthalate	13.574	149	314657	47.739	ng	99
81) Benzo(a)anthracene	14.139	228	719284	42.598	ng	100
83) Chrysene	14.180	228	616188	40.588	ng	100
84) Bis(2-ethylhexyl)phtha...	14.127	149	463985	46.508	ng	99
85) Di-n-octyl phthalate	14.733	149	673481	37.243	ng	99
87) Indeno(1,2,3-cd)pyrene	17.186	276	375905	34.985	ng	98
88) Benzo(b)fluoranthene	15.210	252	499143	53.620	ng	99
89) Benzo(k)fluoranthene	15.239	252	388170	46.729	ng	99
90) Benzo(a)pyrene	15.586	252	358088	41.751	ng	99
91) Dibenzo(a,h)anthracene	17.204	278	308156	35.236	ng	99
92) Benzo(g,h,i)perylene	17.651	276	306624	36.245	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.987 min Scan# 811
Delta R.T. 0.024 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

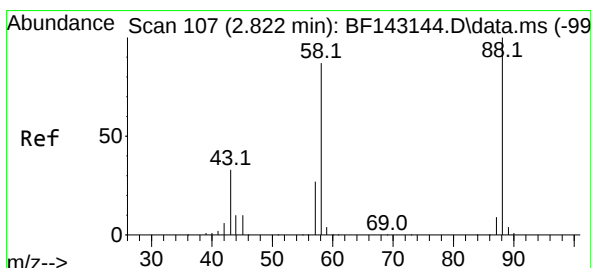
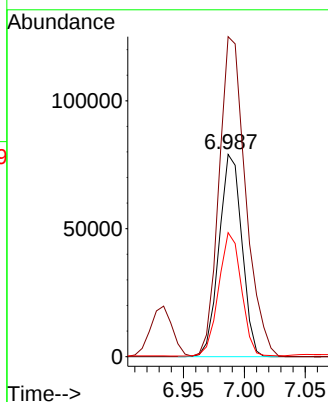
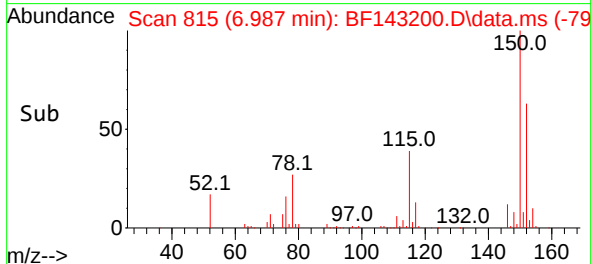
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



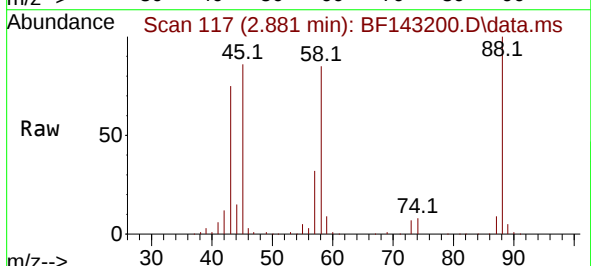
Tgt Ion:152 Resp: 103435
Ion Ratio Lower Upper
152 100
150 158.2 128.2 192.4
115 61.3 47.9 71.9

Manual Integrations
APPROVED

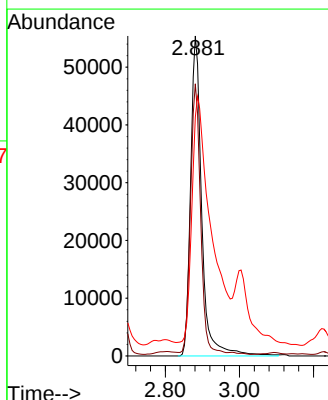
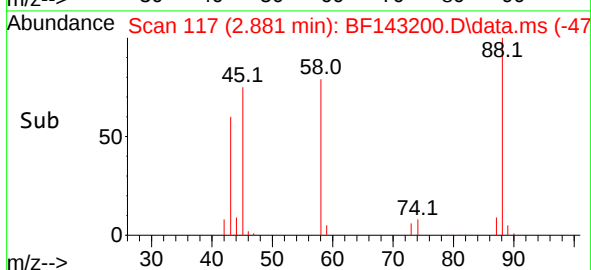
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

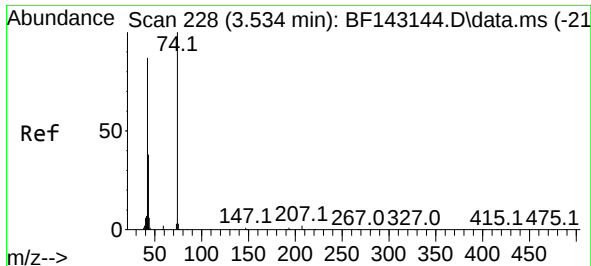


#2
1,4-Dioxane
Concen: 37.439 ng
RT: 2.881 min Scan# 117
Delta R.T. 0.059 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



Tgt Ion: 88 Resp: 115793
Ion Ratio Lower Upper
88 100
58 75.7 70.2 105.2
43 129.3 27.1 40.7#





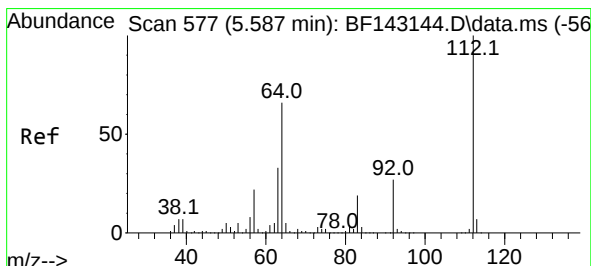
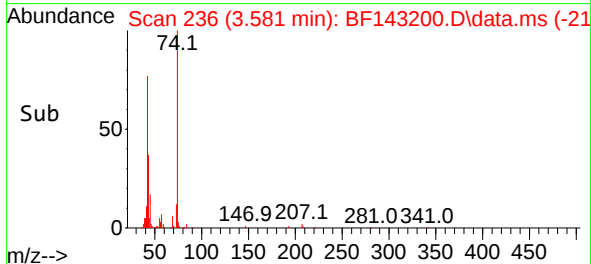
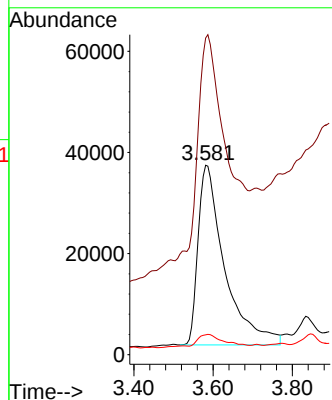
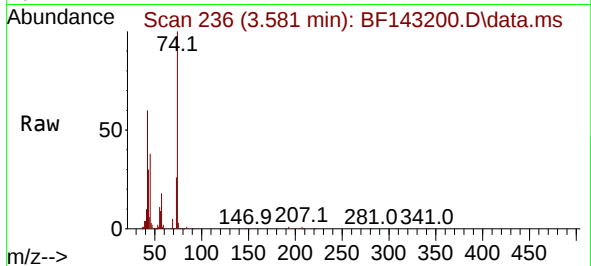
#4
n-Nitrosodimethylamine
Concen: 39.982 ng
RT: 3.581 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD

Tgt Ion: 42 Resp: 165712
Ion Ratio Lower Upper
42 100
74 167.2 91.7 137.5
44 10.5 5.6 8.4

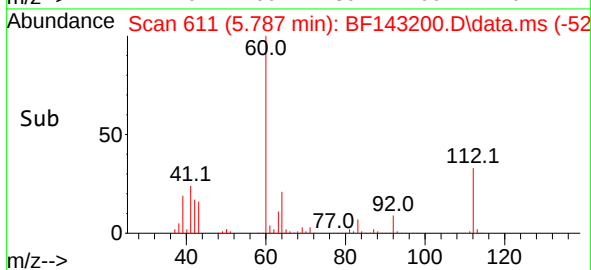
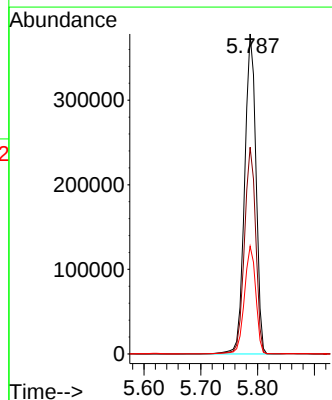
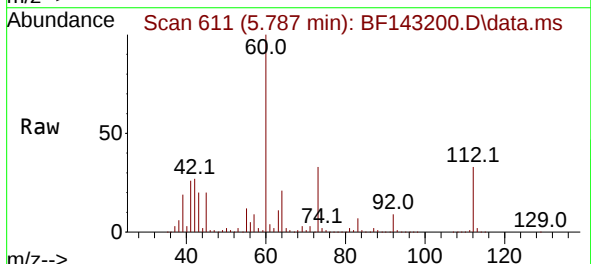
Manual Integrations
APPROVED

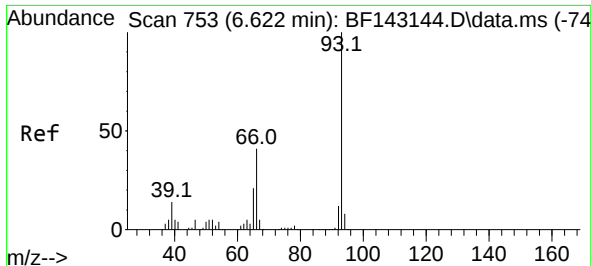
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#5
2-Fluorophenol
Concen: 80.252 ng
RT: 5.787 min Scan# 611
Delta R.T. 0.200 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

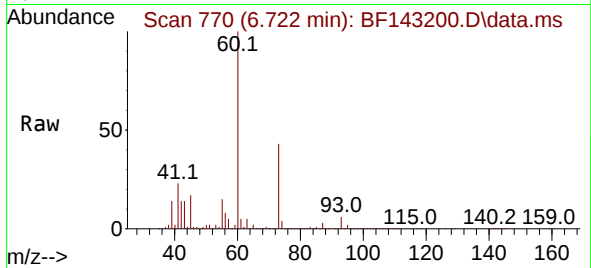
Tgt Ion:112 Resp: 524551
Ion Ratio Lower Upper
112 100
64 64.6 53.1 79.7
63 33.7 26.6 40.0





#6
Aniline
Concen: 14.357 ng
RT: 6.722 min Scan# 71
Delta R.T. 0.100 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

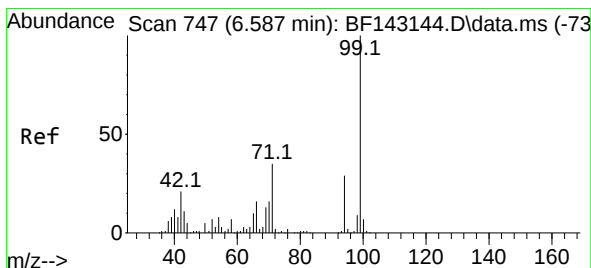
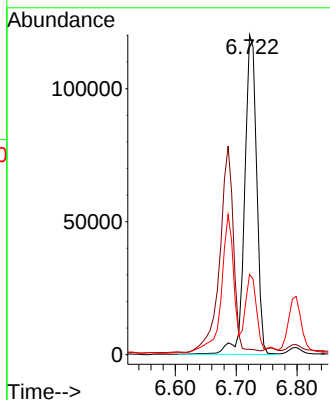
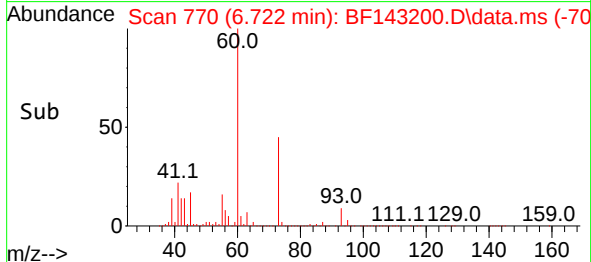
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



Tgt Ion: 93 Resp: 164620
Ion Ratio Lower Upper
93 100
66 1.7 33.2 49.8
65 25.1 16.9 25.3

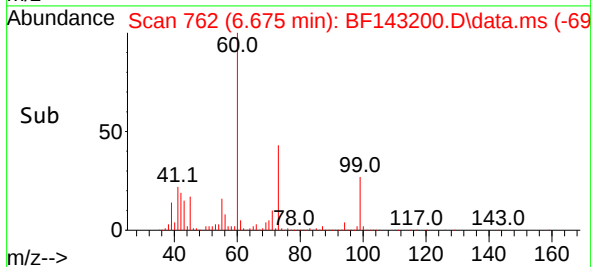
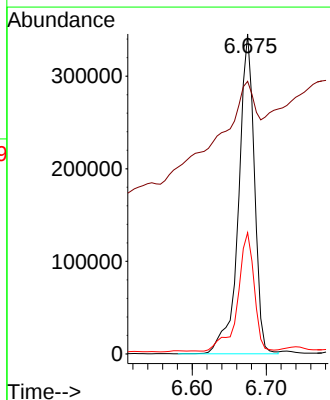
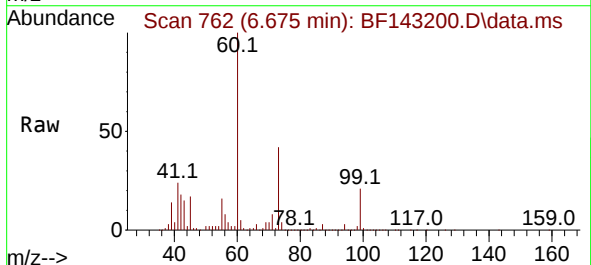
Manual Integrations
APPROVED

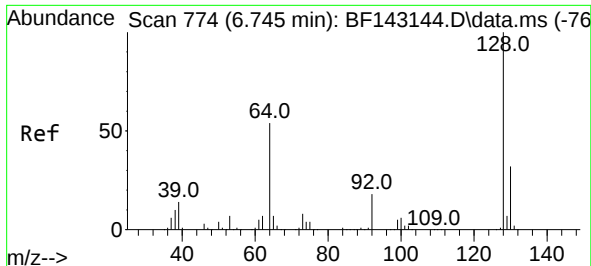
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#7
Phenol-d6
Concen: 62.394 ng
RT: 6.675 min Scan# 762
Delta R.T. 0.088 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion: 99 Resp: 513323
Ion Ratio Lower Upper
99 100
42 85.2 17.0 25.6
71 37.9 27.7 41.5





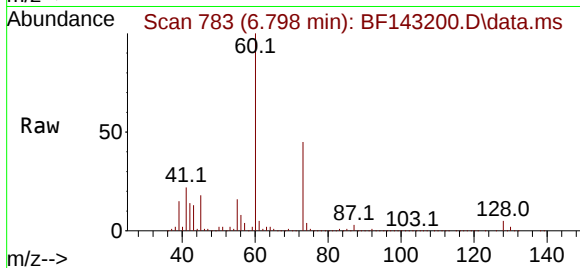
#8
2-Chlorophenol
Concen: 22.454 ng
RT: 6.798 min Scan# 714
Delta R.T. 0.053 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

FRAC TANKMSD

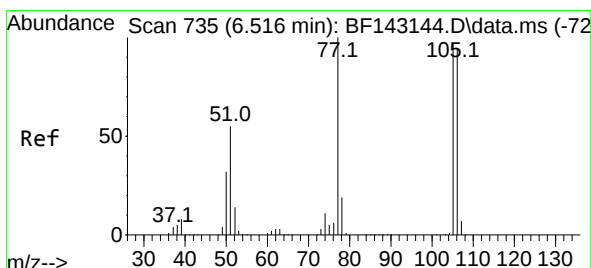
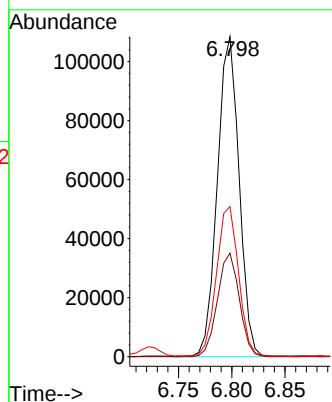
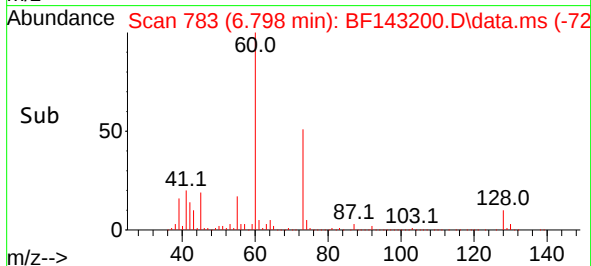


Tgt Ion:128 Resp: 15384
Ion Ratio Lower Upper
128 100
130 32.3 12.3 52.3
64 46.9 35.9 75.9

Manual Integrations

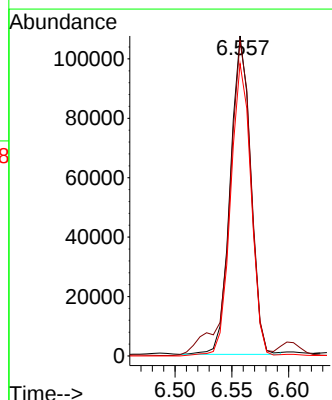
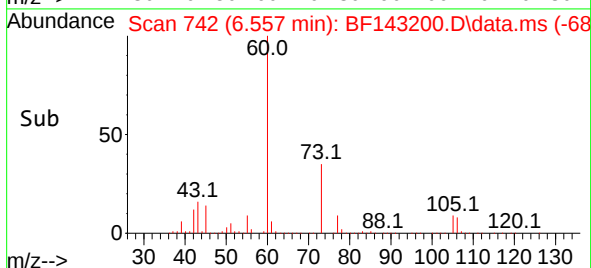
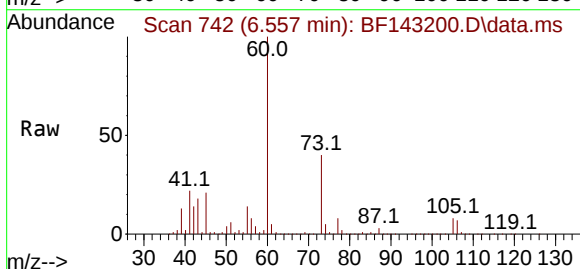
APPROVED

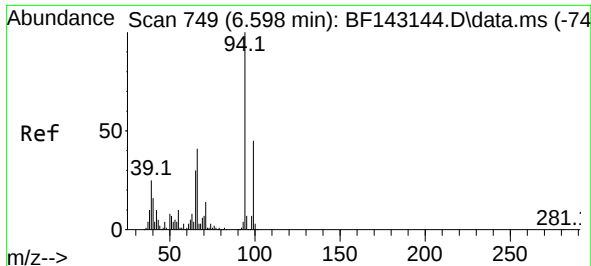
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#9
Benzaldehyde
Concen: 21.652 ng
RT: 6.557 min Scan# 742
Delta R.T. 0.041 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

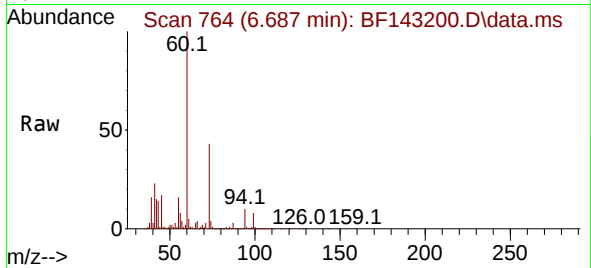
Tgt Ion: 77 Resp: 133576
Ion Ratio Lower Upper
77 100
105 98.5 76.8 116.8
106 91.4 74.4 114.4





#10
Phenol
Concen: 25.522 ng
RT: 6.687 min Scan# 70
Delta R.T. 0.088 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

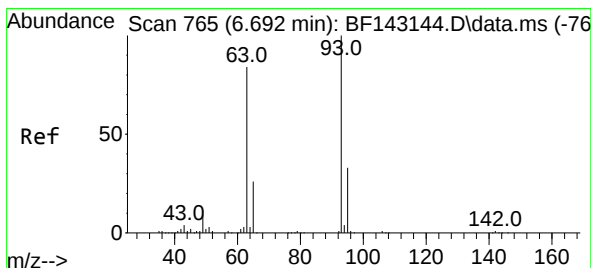
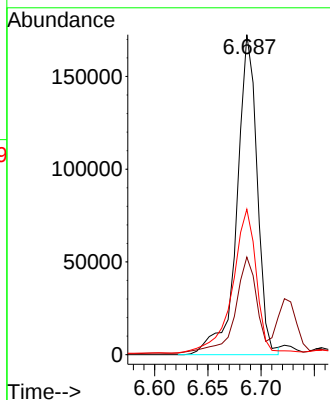
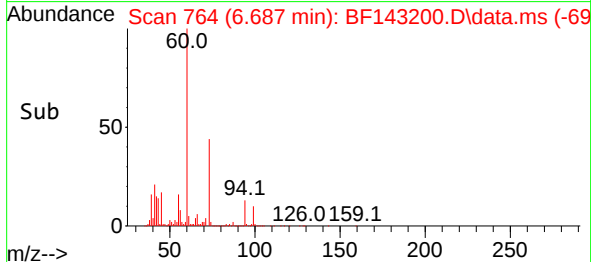
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



Tgt Ion: 94 Resp: 228748
Ion Ratio Lower Upper
94 100
65 30.5 10.0 50.0
66 45.4 20.8 60.8

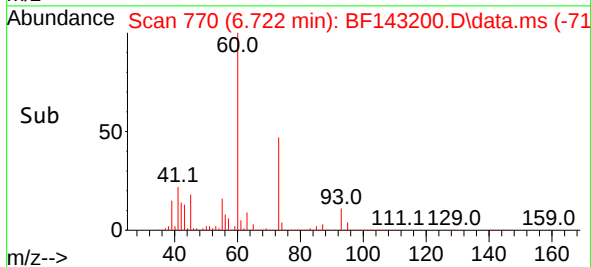
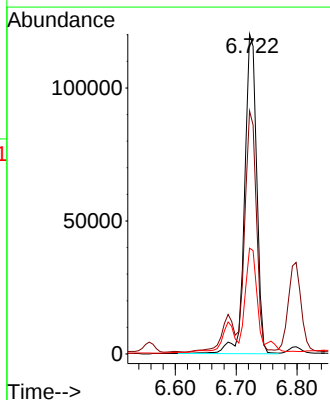
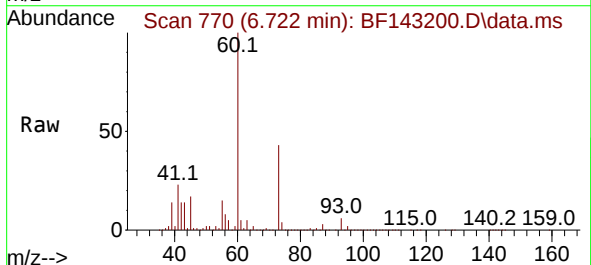
Manual Integrations
APPROVED

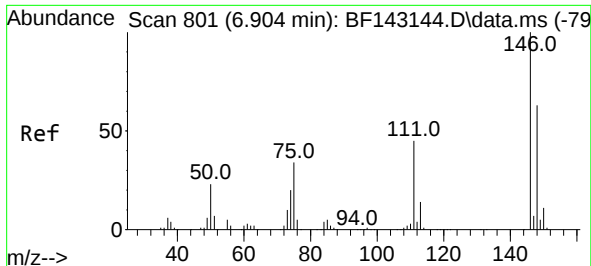
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#11
bis(2-Chloroethyl)ether
Concen: 23.989 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.029 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion: 93 Resp: 164620
Ion Ratio Lower Upper
93 100
63 75.9 63.4 103.4
95 33.1 12.4 52.4





#12

1,3-Dichlorobenzene

Concen: 32.585 ng

RT: 6.934 min Scan# 801

Delta R.T. 0.029 min

Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

FRAC TANKMSD

Tgt Ion:146 Resp: 242524

Ion Ratio Lower Upper

146 100

148 63.7 50.6 76.0

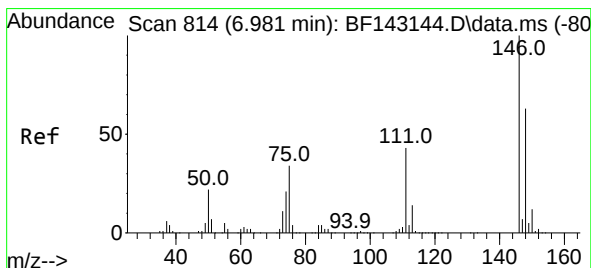
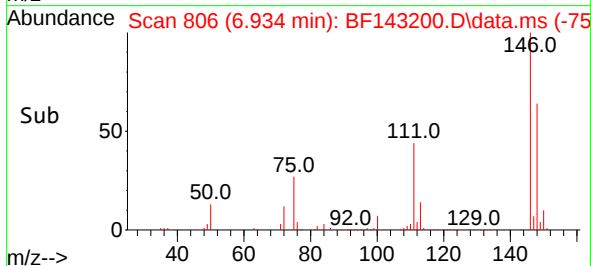
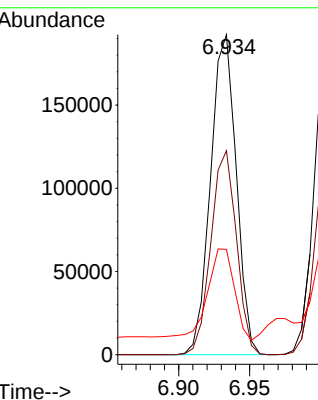
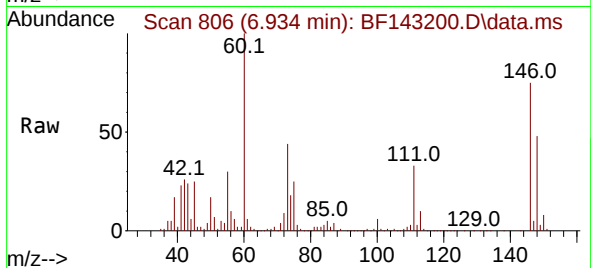
75 32.9 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#13

1,4-Dichlorobenzene

Concen: 36.087 ng

RT: 7.004 min Scan# 818

Delta R.T. 0.024 min

Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

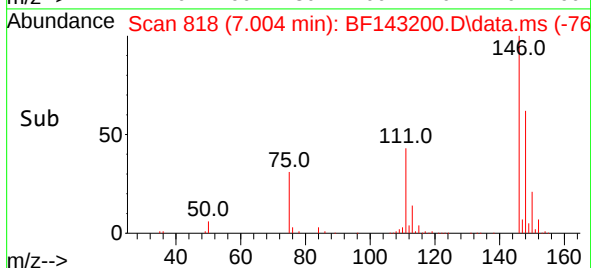
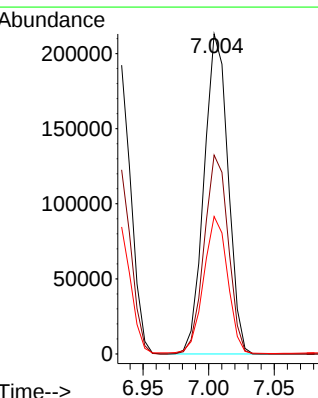
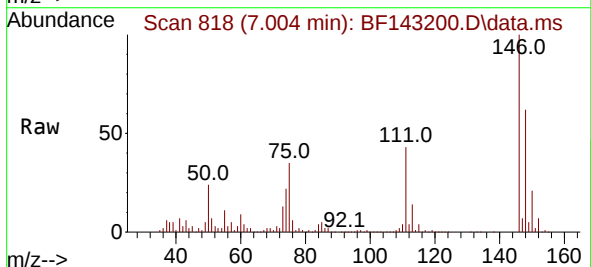
Tgt Ion:146 Resp: 270486

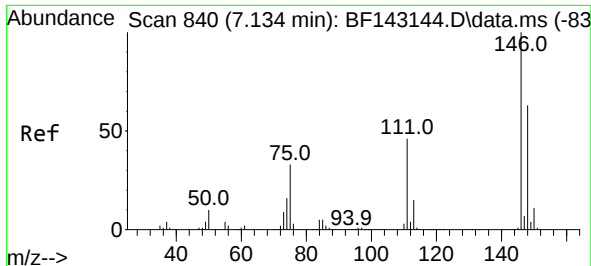
Ion Ratio Lower Upper

146 100

148 62.2 50.3 75.5

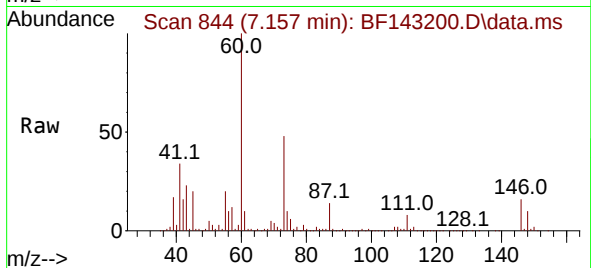
111 42.9 34.4 51.6





#14
1,2-Dichlorobenzene
Concen: 28.428 ng
RT: 7.157 min Scan# 840
Delta R.T. 0.024 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

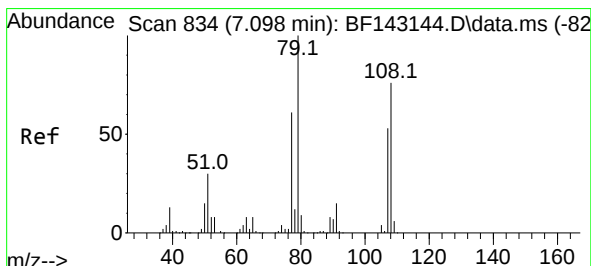
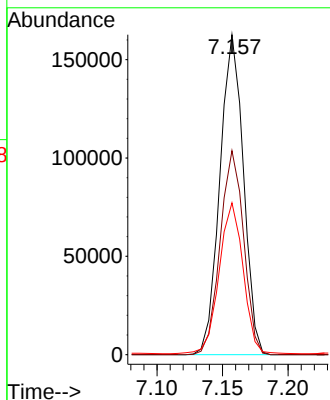
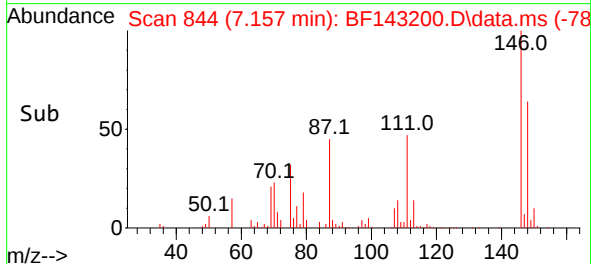
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



Tgt Ion:146 Resp: 20266
Ion Ratio Lower Upper
146 100
148 63.7 50.7 76.1
111 47.5 36.6 54.8

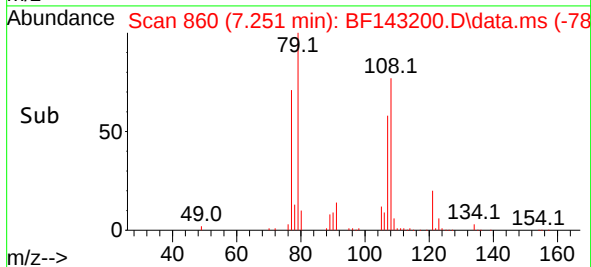
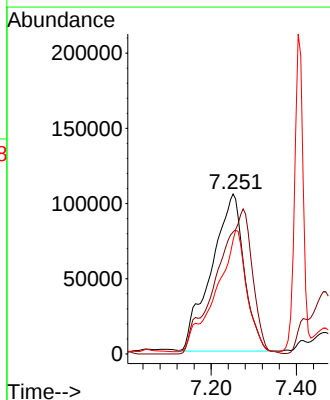
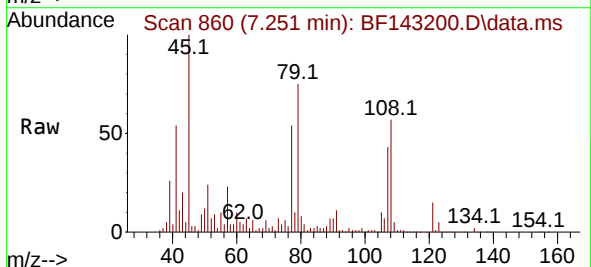
Manual Integrations
APPROVED

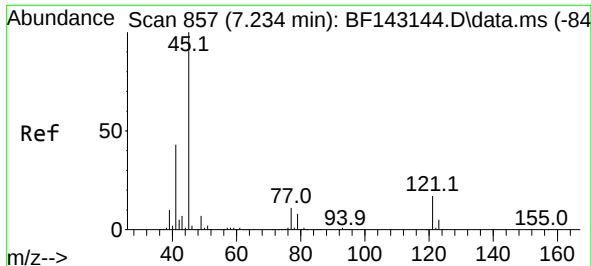
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#15
Benzyl Alcohol
Concen: 89.206 ng
RT: 7.251 min Scan# 860
Delta R.T. 0.153 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

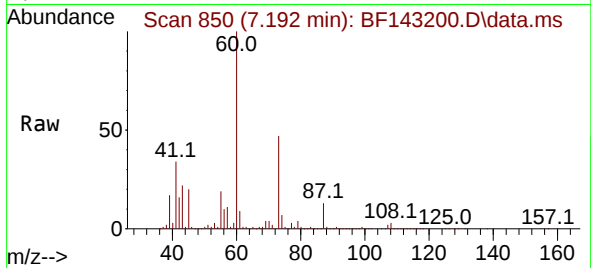
Tgt Ion: 79 Resp: 560378
Ion Ratio Lower Upper
79 100
108 76.2 61.1 91.7
77 71.2 48.9 73.3





#16
2,2'-oxybis(1-Chloropropane)
Concen: 124.945 ng
RT: 7.192 min Scan# 81
Delta R.T. -0.041 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

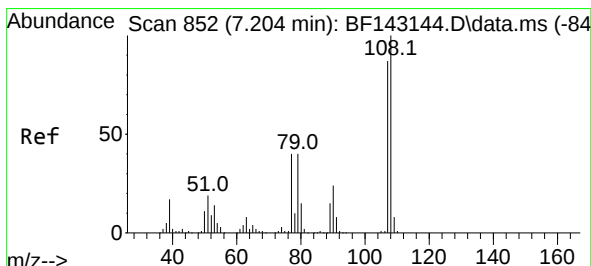
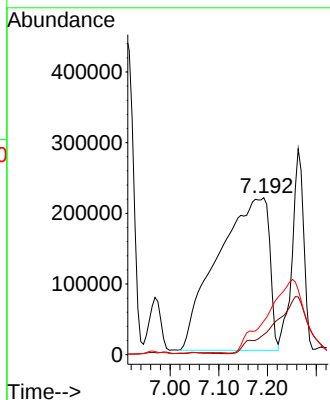
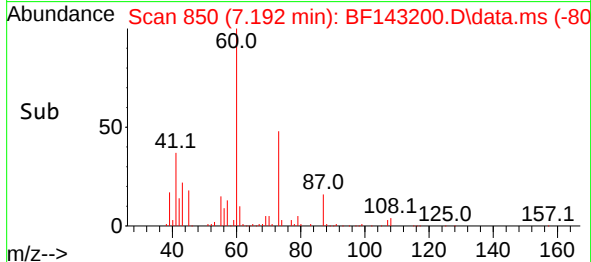
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



Tgt Ion: 45 Resp: 159055
Ion Ratio Lower Upper
45 100
77 12.8 0.0 31.2
79 21.4 0.0 28.5

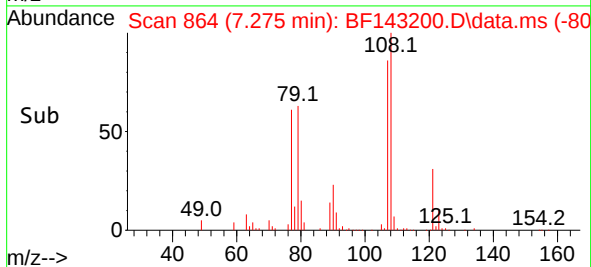
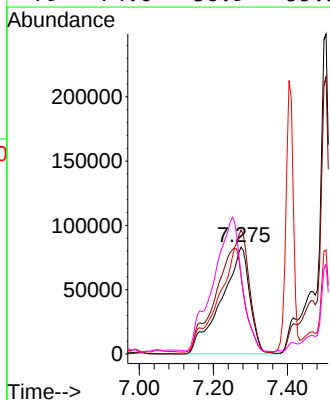
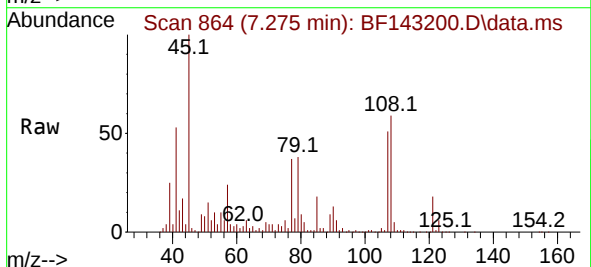
Manual Integrations
APPROVED

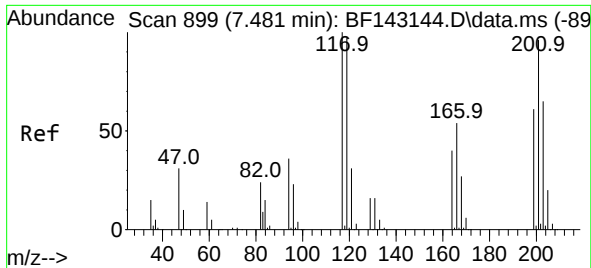
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#17
2-Methylphenol
Concen: 76.331 ng
RT: 7.275 min Scan# 864
Delta R.T. 0.071 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion:107 Resp: 439726
Ion Ratio Lower Upper
107 100
108 116.1 91.8 137.6
77 72.2 37.0 55.6#
79 74.0 36.9 55.3#





#18
Hexachloroethane
Concen: 36.296 ng
RT: 7.498 min Scan# 901
Delta R.T. 0.018 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

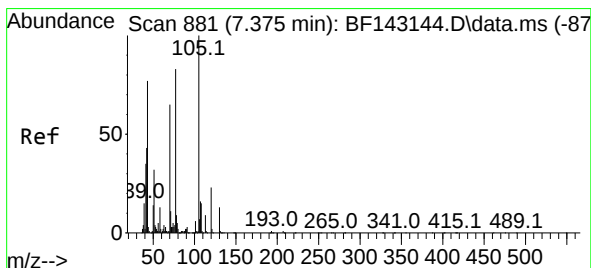
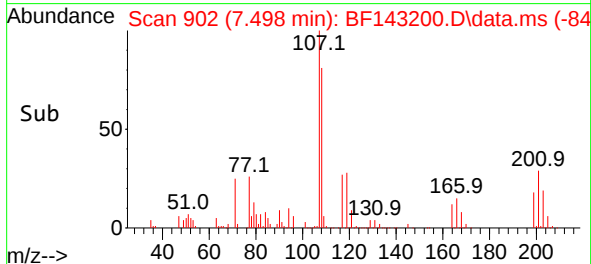
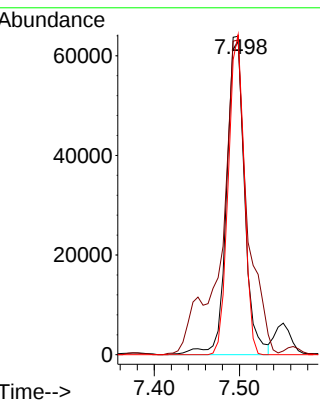
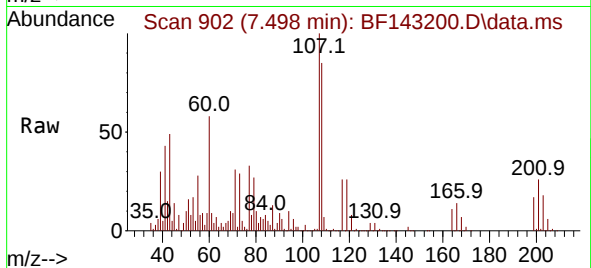
FRAC TANKMSD

Tgt Ion:117 Resp: 94180
Ion Ratio Lower Upper
117 100
119 98.8 77.8 116.8
201 100.5 77.0 115.4

Manual Integrations

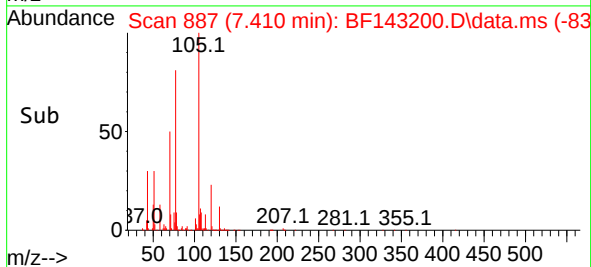
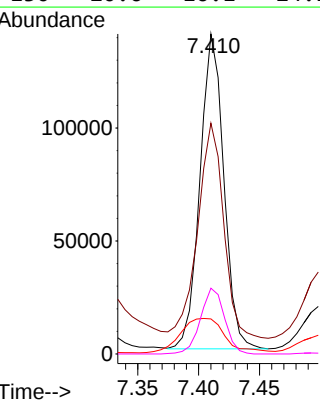
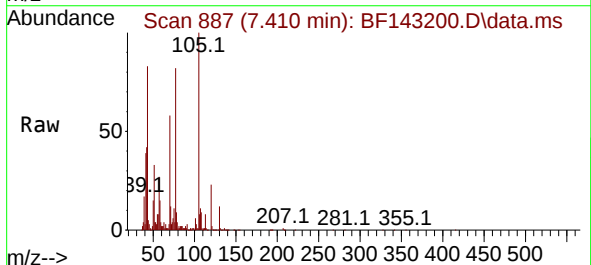
APPROVED

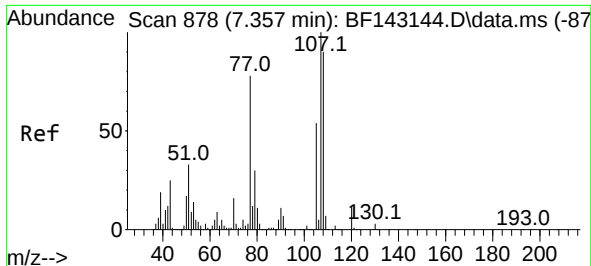
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#19
n-Nitroso-di-n-propylamine
Concen: 35.918 ng
RT: 7.410 min Scan# 887
Delta R.T. 0.035 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion: 70 Resp: 189587
Ion Ratio Lower Upper
70 100
42 72.1 52.5 78.7
101 11.0 7.6 11.4
130 20.6 16.1 24.1





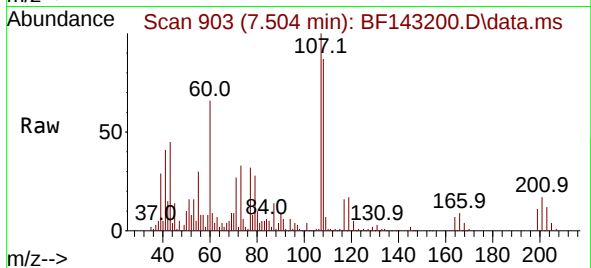
#20
3+4-Methylphenols
Concen: 52.132 ng m
RT: 7.504 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

FRAC TANKMSD



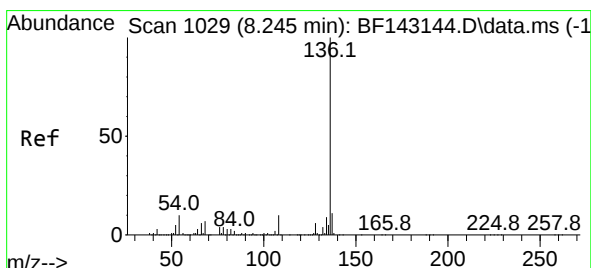
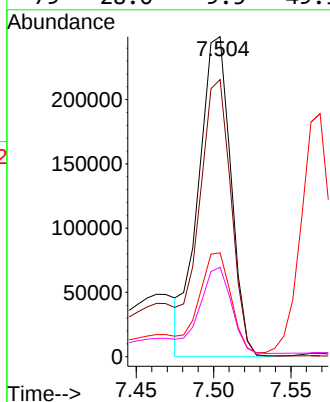
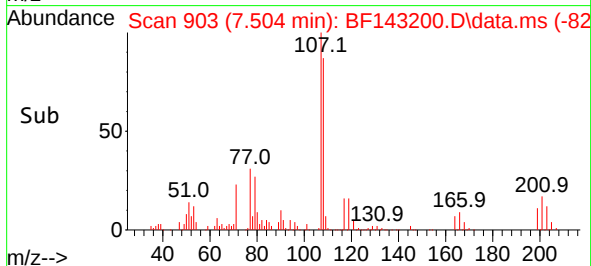
Tgt Ion:107 Resp: 364374
Ion Ratio Lower Upper
107 100
108 86.6 70.0 110.0
77 32.5 57.8 97.8
79 28.0 9.5 49.5

Manual Integrations

APPROVED

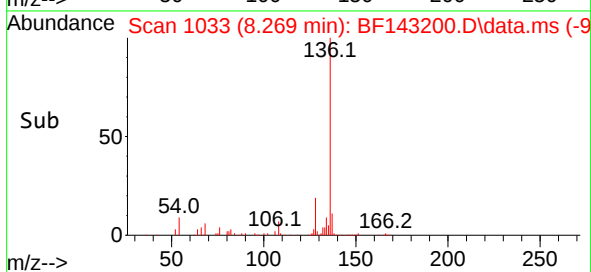
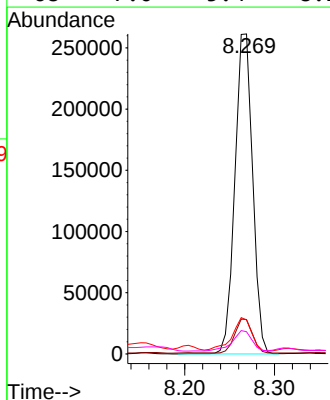
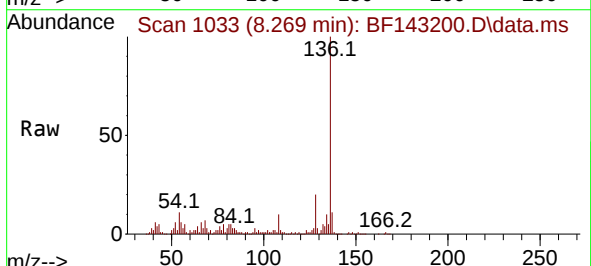
Reviewed By :Rahul Chavli 07/23/2025

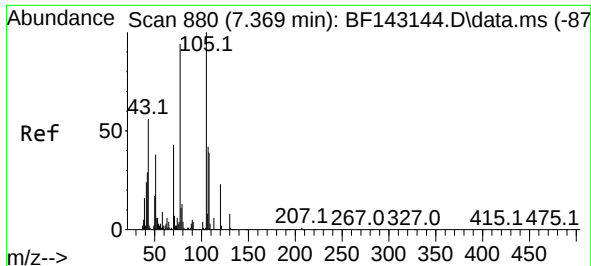
Supervised By :Jagrut Upadhyay 07/23/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.024 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

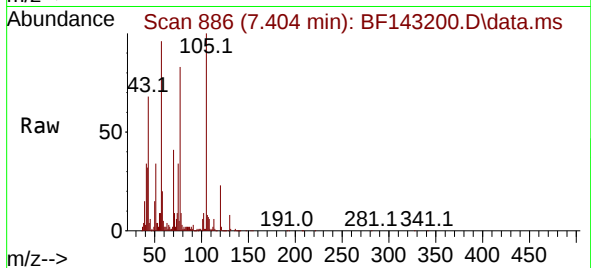
Tgt Ion:136 Resp: 358963
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.6 8.2 12.2
68 7.0 5.4 8.2





#22
Acetophenone
Concen: 42.304 ng
RT: 7.404 min Scan# 880
Delta R.T. 0.035 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

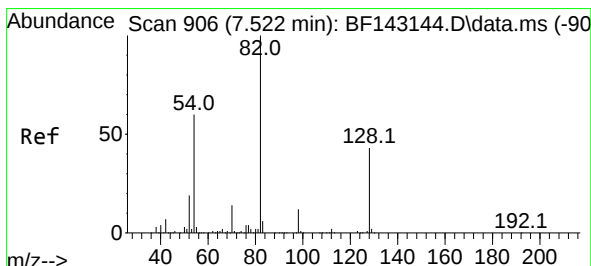
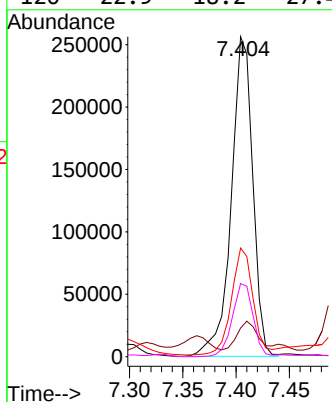
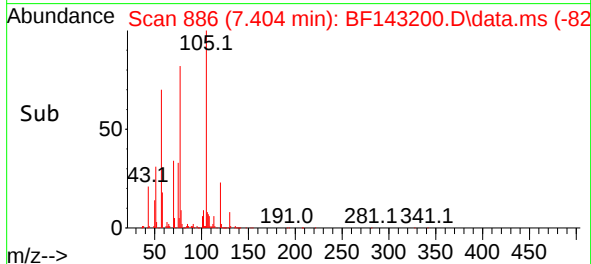
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



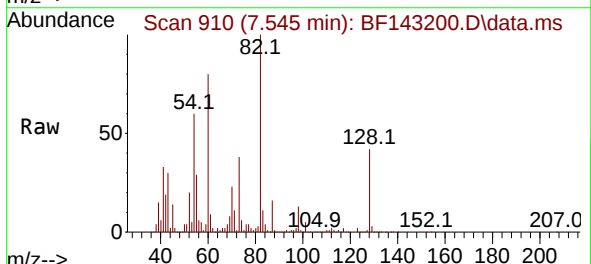
Tgt Ion: 105 Resp: 35952
Ion Ratio Lower Upper
105 100
71 9.0 5.8 8.6
51 33.9 30.2 45.2
120 22.9 18.2 27.4

Manual Integrations
APPROVED

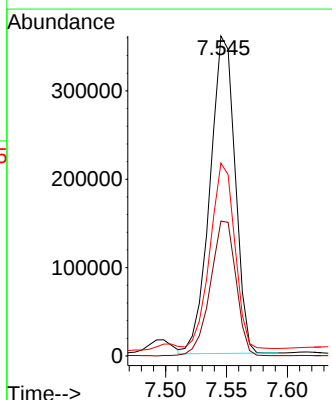
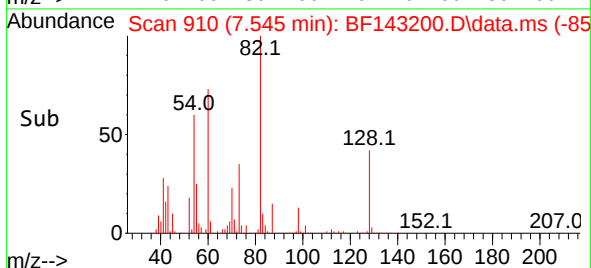
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

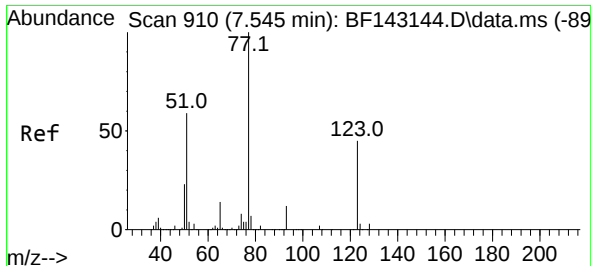


#23
Nitrobenzene-d5
Concen: 71.658 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.024 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



Tgt Ion: 82 Resp: 516027
Ion Ratio Lower Upper
82 100
128 42.1 33.6 50.4
54 60.3 47.1 70.7





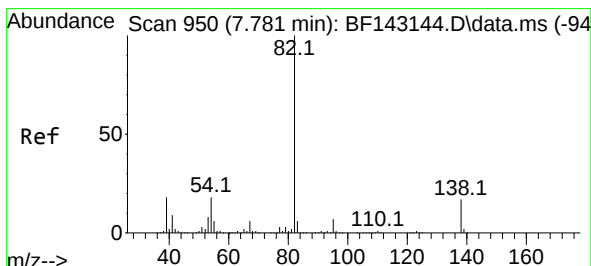
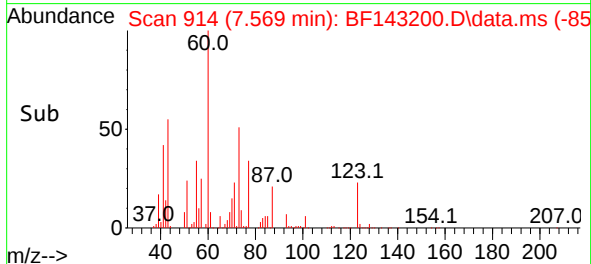
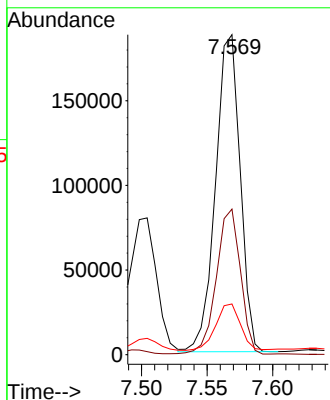
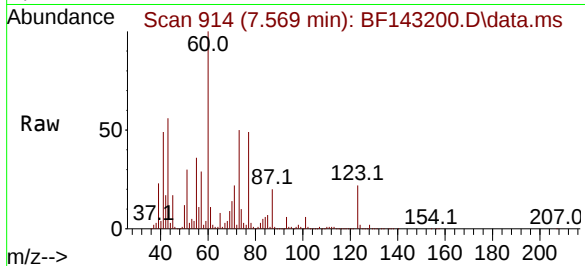
#24
Nitrobenzene
Concen: 36.402 ng
RT: 7.569 min Scan# 910
Delta R.T. 0.024 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD

Tgt Ion: 77 Resp: 244395
Ion Ratio Lower Upper
77 100
123 45.5 36.1 54.1
65 15.8 11.4 17.2

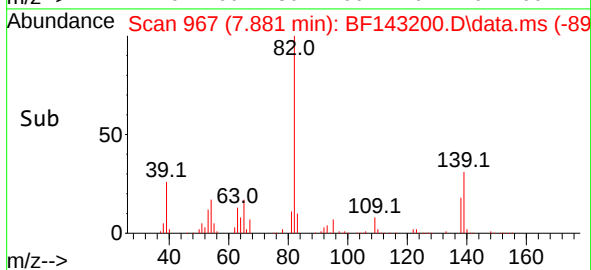
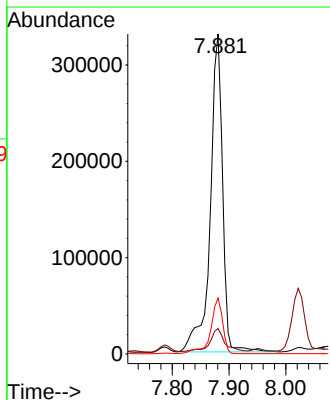
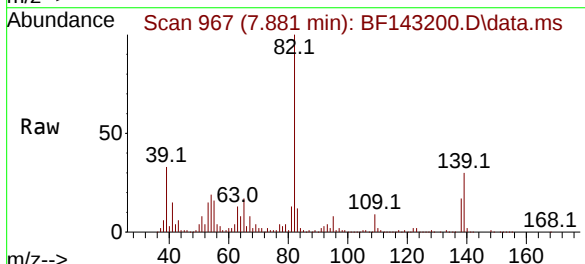
Manual Integrations
APPROVED

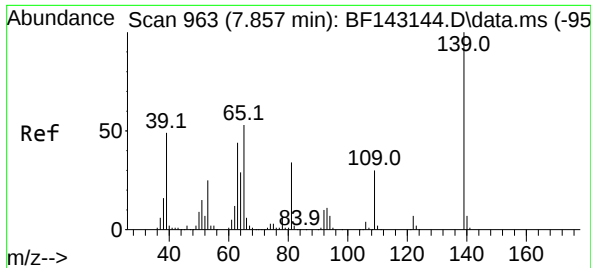
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#25
Isophorone
Concen: 39.100 ng
RT: 7.881 min Scan# 967
Delta R.T. 0.100 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion: 82 Resp: 497065
Ion Ratio Lower Upper
82 100
95 8.0 5.5 8.3
138 17.5 13.8 20.8





#26
2-Nitrophenol
Concen: 45.589 ng
RT: 7.881 min Scan# 967
Delta R.T. 0.024 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

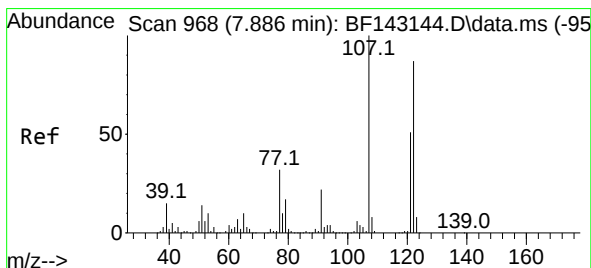
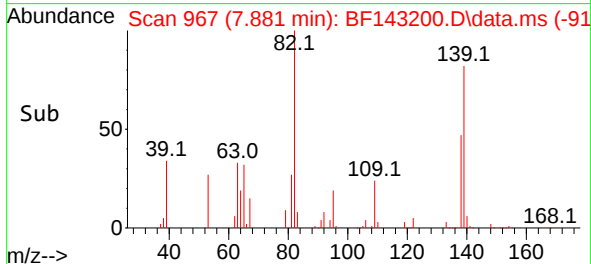
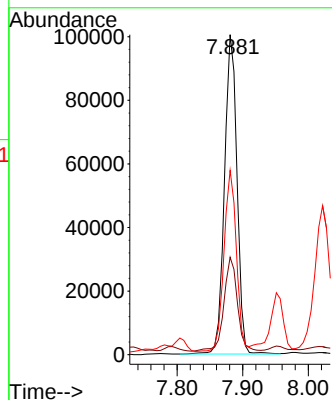
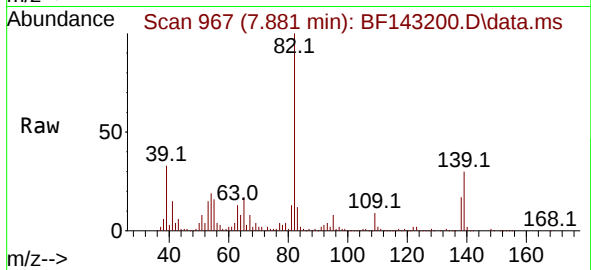
FRAC TANKMSD

Tgt Ion:139 Resp: 132838
Ion Ratio Lower Upper
139 100
109 30.5 23.6 35.4
65 57.6 42.6 64.0

Manual Integrations

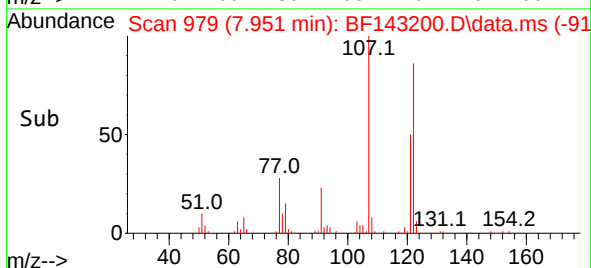
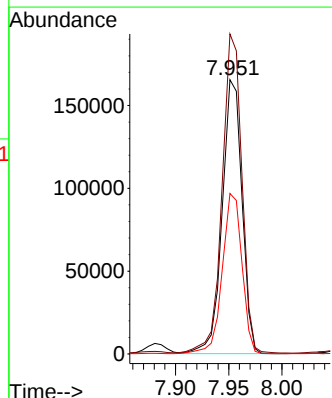
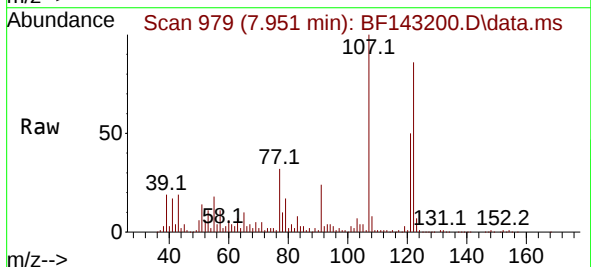
APPROVED

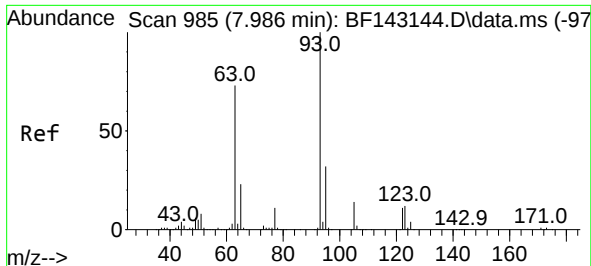
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#27
2,4-Dimethylphenol
Concen: 35.902 ng
RT: 7.951 min Scan# 979
Delta R.T. 0.065 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

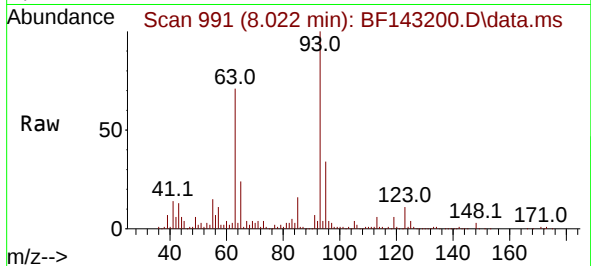
Tgt Ion:122 Resp: 213236
Ion Ratio Lower Upper
122 100
107 116.7 91.8 137.6
121 58.5 46.3 69.5





#28
bis(2-Chloroethoxy)methane
Concen: 39.272 ng
RT: 8.022 min Scan# 991
Delta R.T. 0.035 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

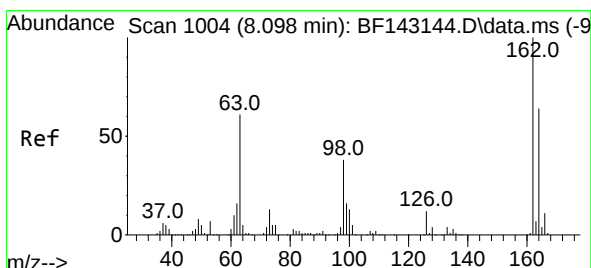
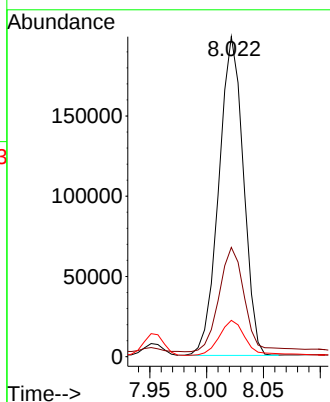
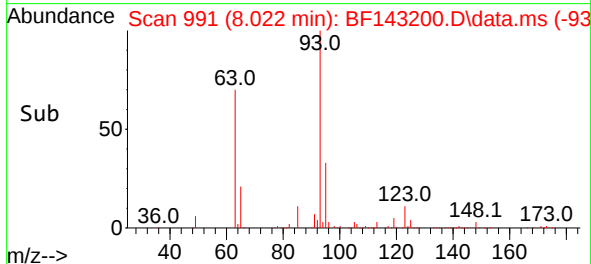
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



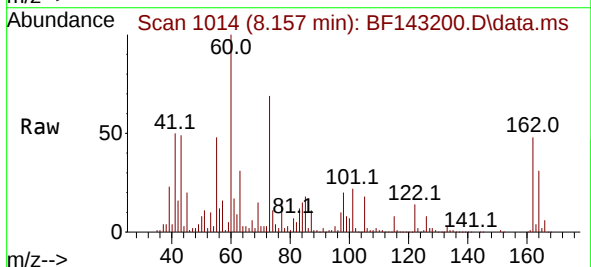
Tgt Ion: 93 Resp: 299334
Ion Ratio Lower Upper
93 100
95 34.2 25.8 38.6
123 11.4 9.7 14.5

Manual Integrations
APPROVED

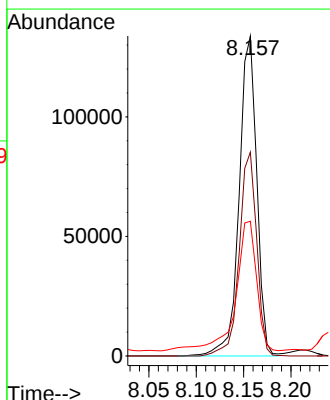
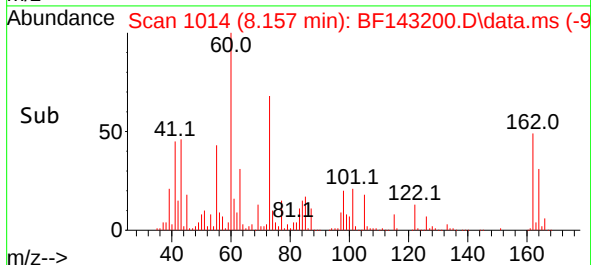
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

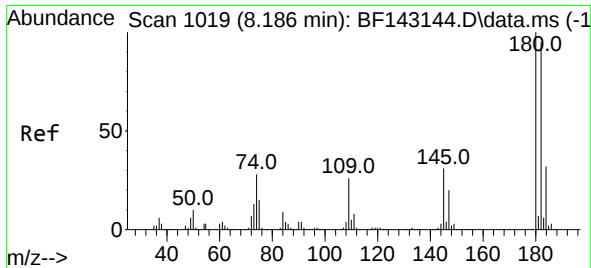


#29
2,4-Dichlorophenol
Concen: 34.481 ng
RT: 8.157 min Scan# 1014
Delta R.T. 0.059 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



Tgt Ion:162 Resp: 172713
Ion Ratio Lower Upper
162 100
164 63.7 44.2 84.2
98 42.1 17.9 57.9





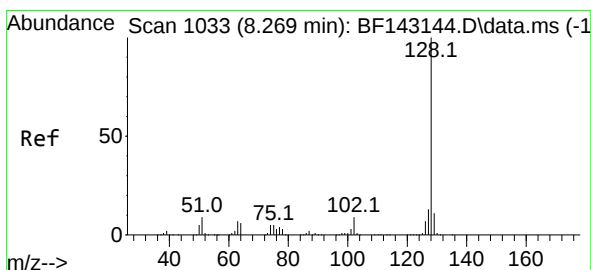
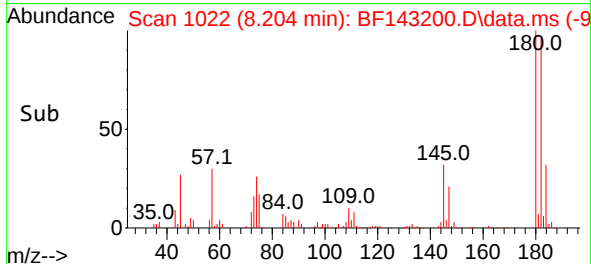
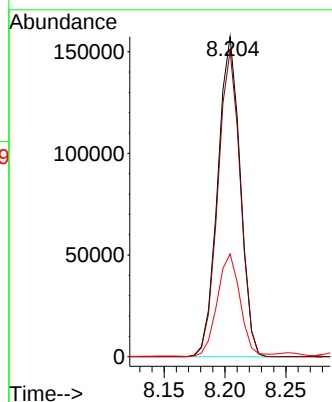
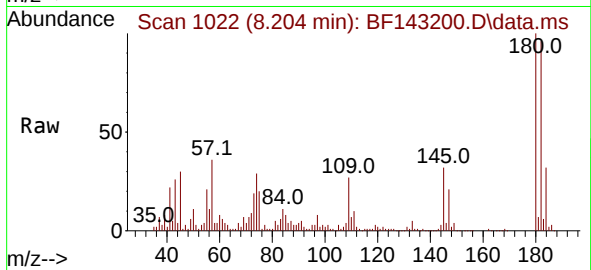
#30
1,2,4-Trichlorobenzene
Concen: 37.284 ng
RT: 8.204 min Scan# 1036
Delta R.T. 0.018 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD

Tgt Ion:180 Resp: 20175
Ion Ratio Lower Upper
180 100
182 95.6 76.2 114.2
145 32.1 25.0 37.6

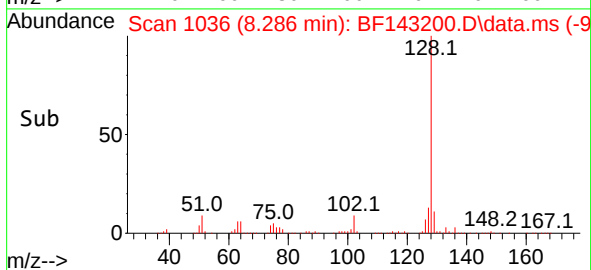
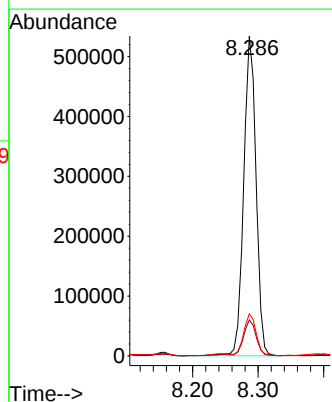
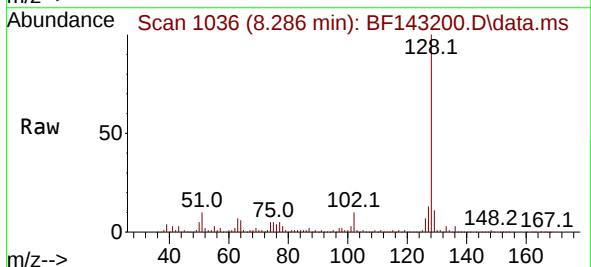
Manual Integrations
APPROVED

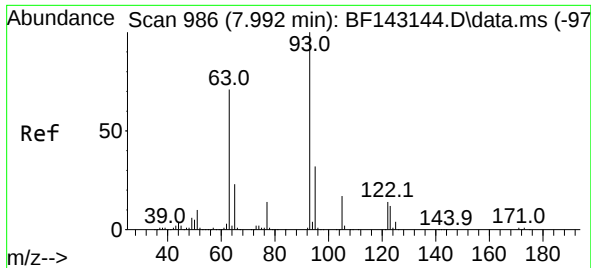
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#31
Naphthalene
Concen: 39.637 ng
RT: 8.286 min Scan# 1036
Delta R.T. 0.018 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion:128 Resp: 700722
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 13.2 10.6 16.0





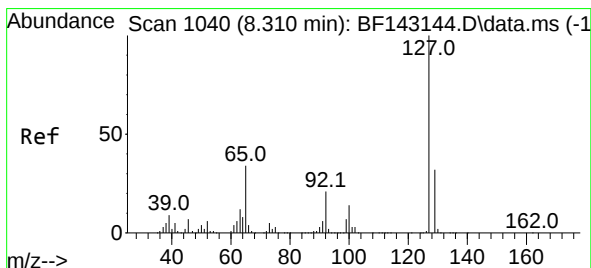
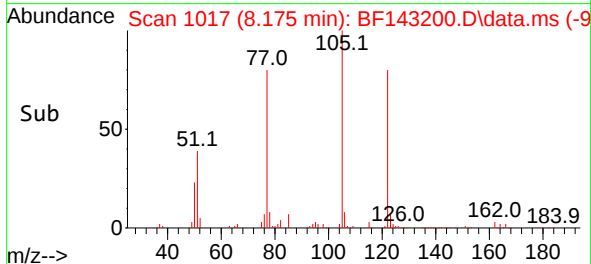
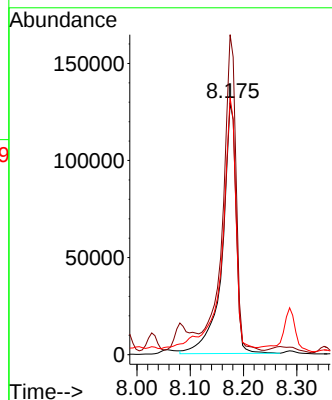
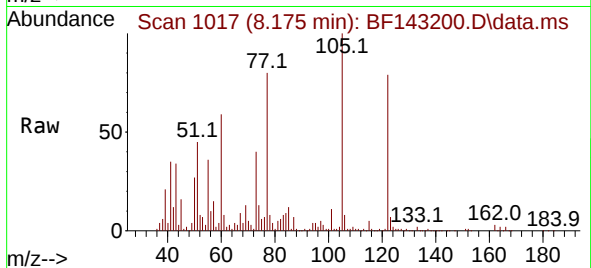
#32
Benzoic acid
Concen: 66.975 ng
RT: 8.175 min Scan# 1017
Delta R.T. 0.183 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD

Tgt Ion:122 Resp: 23175
Ion Ratio Lower Upper
122 100
105 127.1 104.8 144.8
77 102.1 77.6 117.6

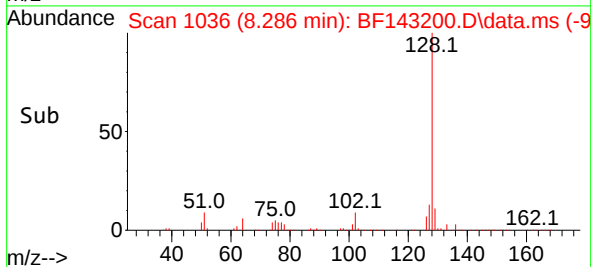
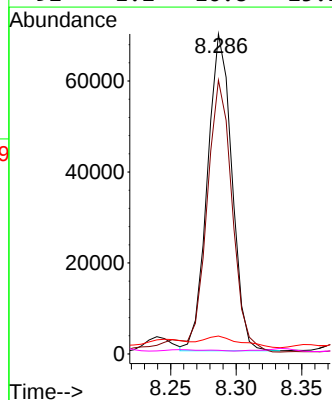
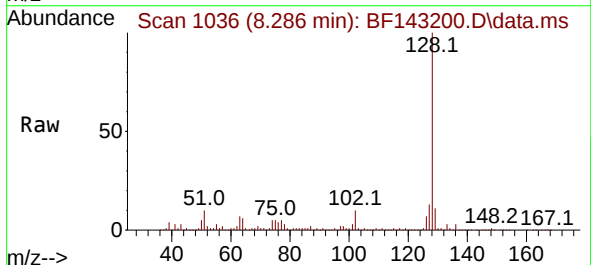
Manual Integrations
APPROVED

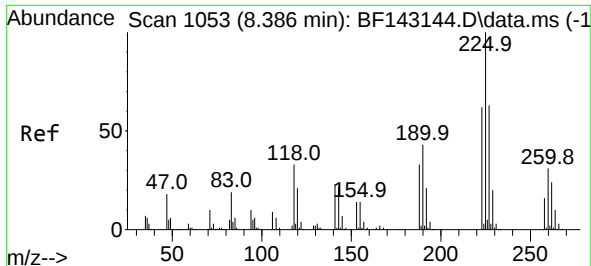
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#33
4-Chloroaniline
Concen: 12.557 ng
RT: 8.286 min Scan# 1036
Delta R.T. -0.023 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion:127 Resp: 90646
Ion Ratio Lower Upper
127 100
129 85.6 26.0 39.0#
65 5.6 27.4 41.2#
92 1.2 16.8 25.2#





#34
Hexachlorobutadiene
Concen: 38.795 ng
RT: 8.404 min Scan# 1102
Delta R.T. 0.018 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

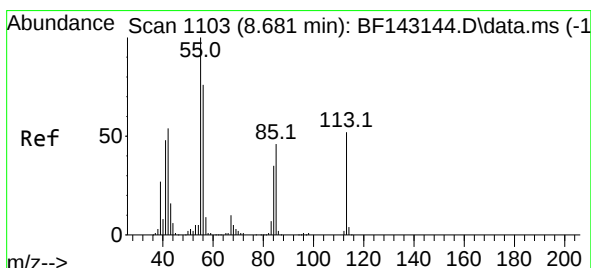
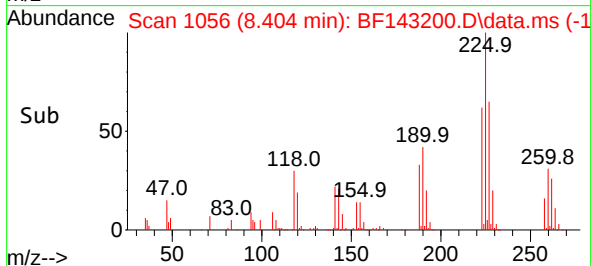
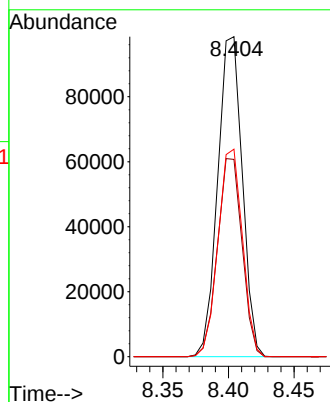
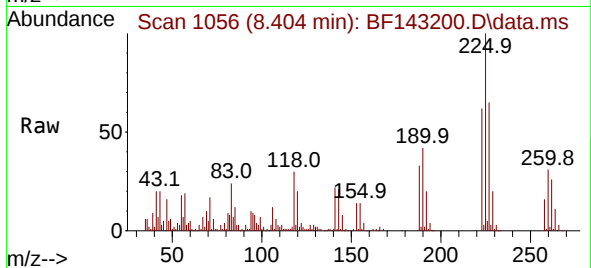
FRAC TANKMSD

Tgt Ion:225 Resp: 12824
Ion Ratio Lower Upper
225 100
223 61.7 49.8 74.6
227 64.9 50.2 75.4

Manual Integrations

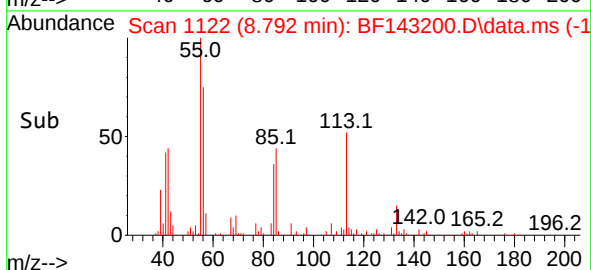
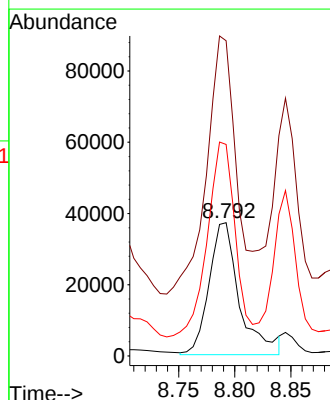
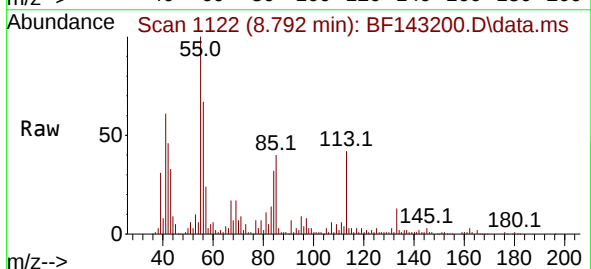
APPROVED

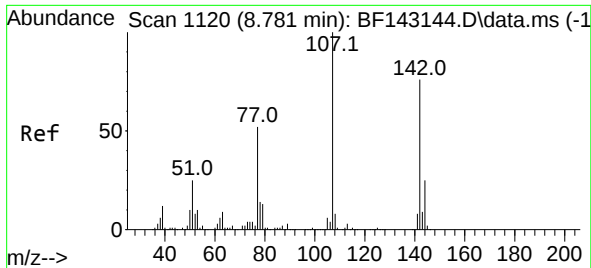
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#35
Caprolactam
Concen: 46.376 ng m
RT: 8.792 min Scan# 1122
Delta R.T. 0.112 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

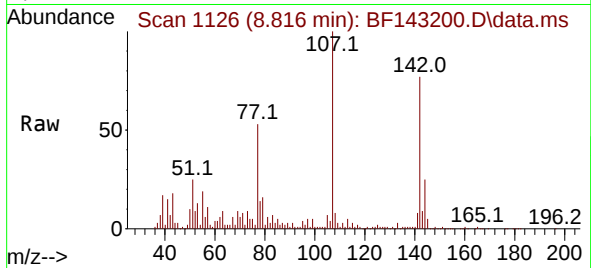
Tgt Ion:113 Resp: 70195
Ion Ratio Lower Upper
113 100
55 236.5 174.0 214.0#
56 158.8 126.6 166.6





#36
4-Chloro-3-methylphenol
Concen: 35.500 ng
RT: 8.816 min Scan# 1126
Delta R.T. 0.035 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

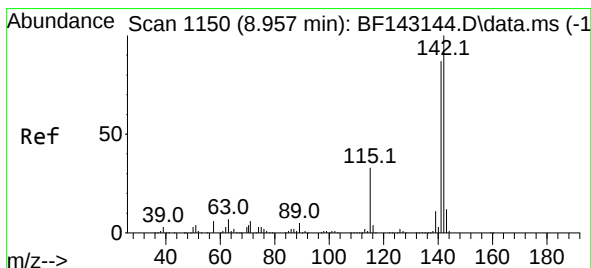
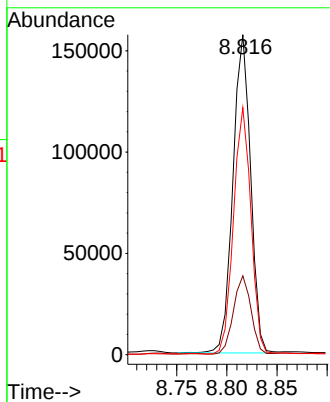
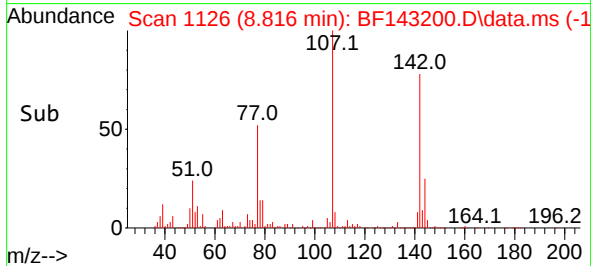
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



Tgt Ion:107 Resp: 193269
Ion Ratio Lower Upper
107 100
144 24.7 19.8 29.6
142 77.2 60.6 90.8

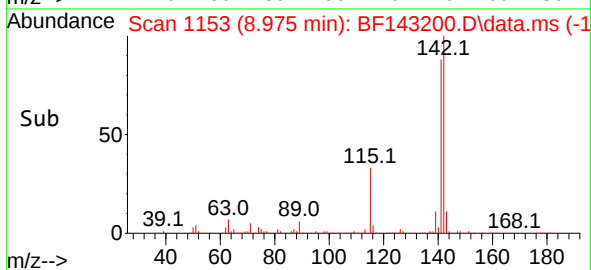
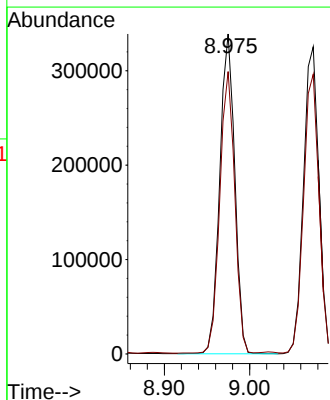
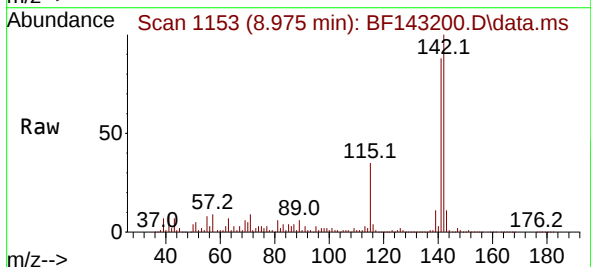
Manual Integrations
APPROVED

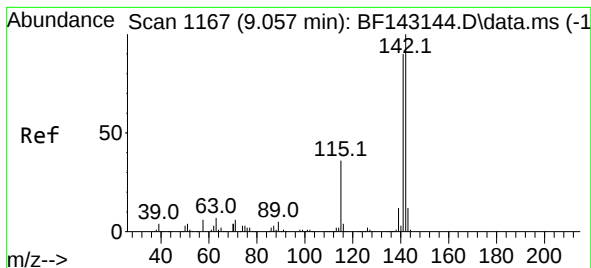
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#37
2-Methylnaphthalene
Concen: 38.456 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.018 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion:142 Resp: 413694
Ion Ratio Lower Upper
142 100
141 88.3 69.9 104.9





#38

1-Methylnaphthalene

Concen: 36.804 ng

RT: 9.075 min Scan# 1167

Delta R.T. 0.018 min

Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

FRAC TANKMSD

Tgt Ion:142 Resp: 40770

Ion Ratio Lower Upper

142 100

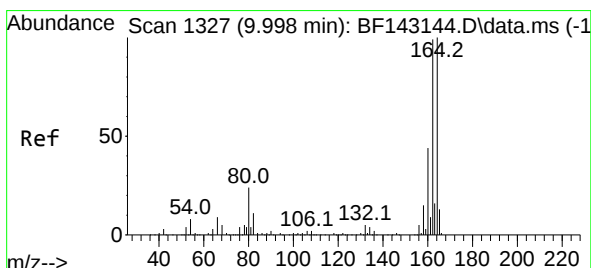
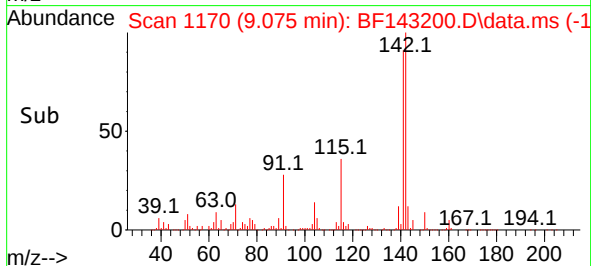
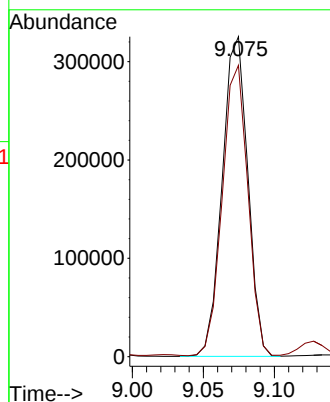
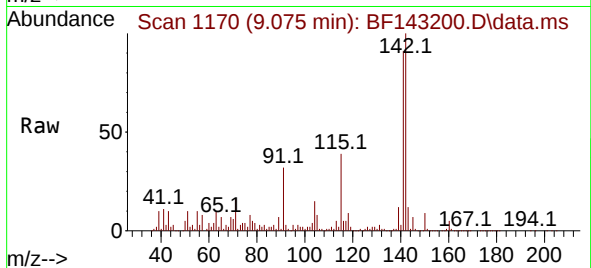
141 91.0 72.3 108.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.010 min Scan# 1329

Delta R.T. 0.012 min

Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

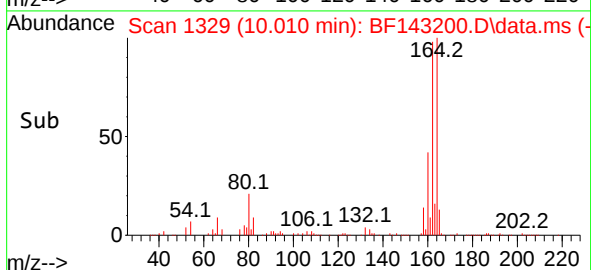
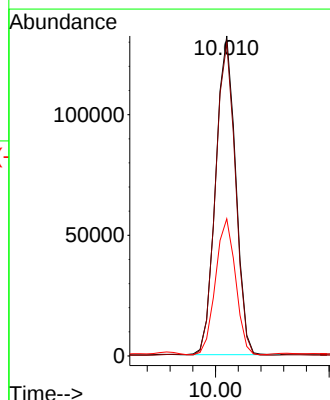
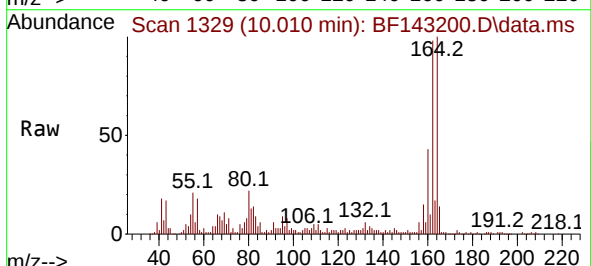
Tgt Ion:164 Resp: 160601

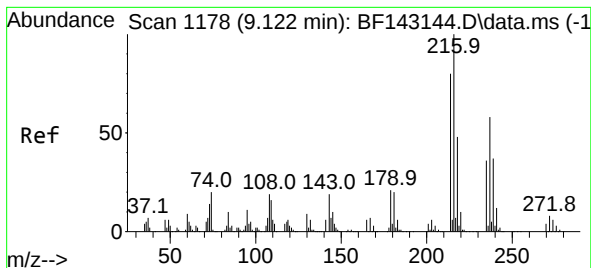
Ion Ratio Lower Upper

164 100

162 97.8 79.0 118.6

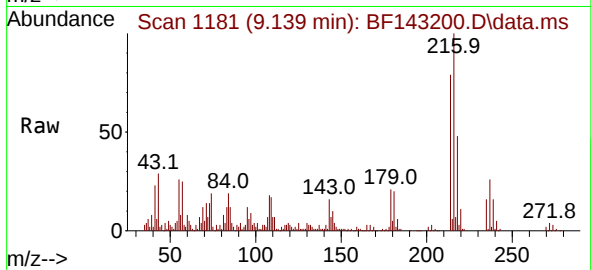
160 42.8 35.1 52.7





#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.378 ng
RT: 9.139 min Scan# 1181
Delta R.T. 0.018 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

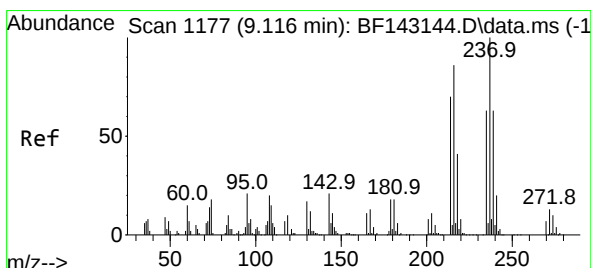
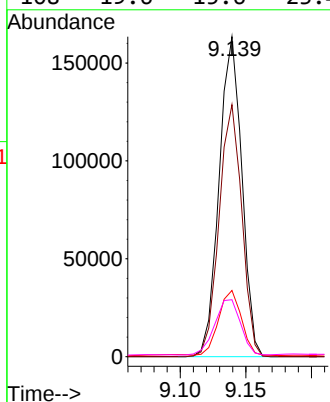
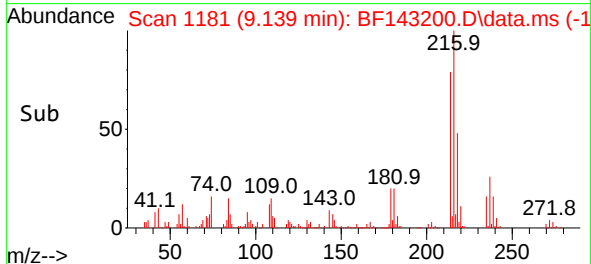
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



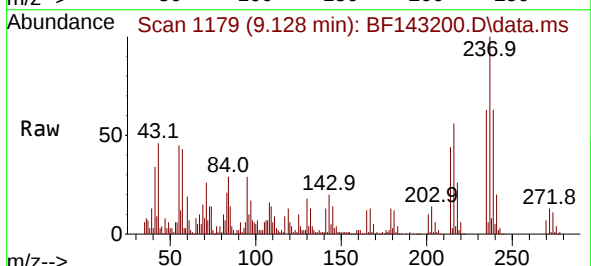
Tgt Ion:216 Resp: 19649
Ion Ratio Lower Upper
216 100
214 78.6 63.8 95.8
179 20.5 16.4 24.6
108 19.6 15.6 23.4

Manual Integrations
APPROVED

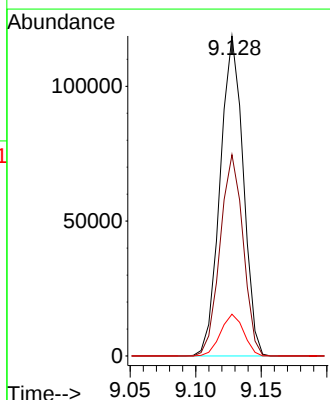
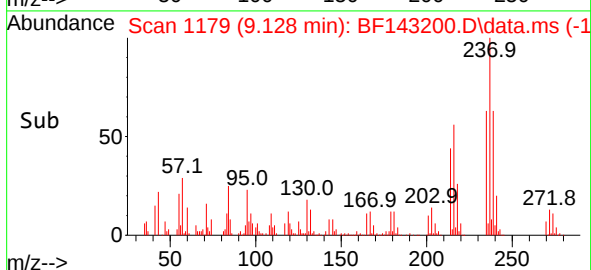
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

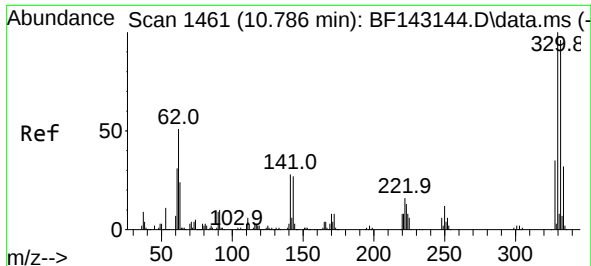


#41
Hexachlorocyclopentadiene
Concen: 48.098 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.012 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



Tgt Ion:237 Resp: 145110
Ion Ratio Lower Upper
237 100
235 62.9 43.0 83.0
272 13.0 0.0 33.3





#42
2,4,6-Tribromophenol
Concen: 110.887 ng
RT: 10.798 min Scan# 1463
Delta R.T. 0.012 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

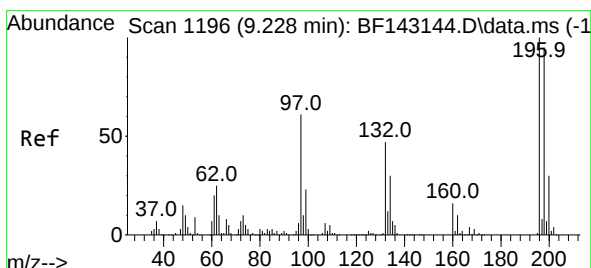
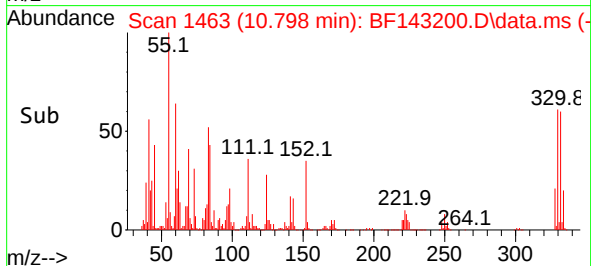
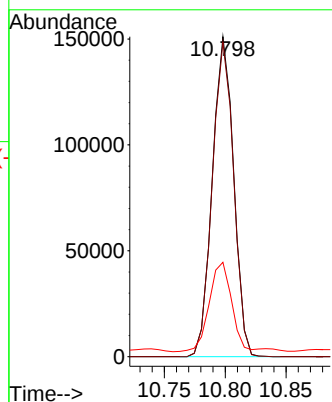
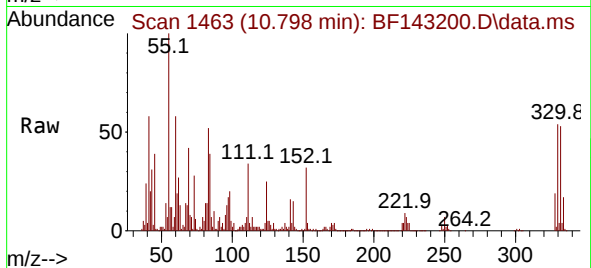
FRAC TANKMSD

Tgt Ion:330 Resp: 18397
Ion Ratio Lower Upper
330 100
332 98.4 76.7 115.1
141 29.6 23.3 34.9

Manual Integrations

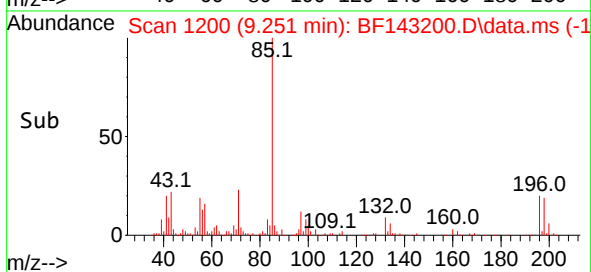
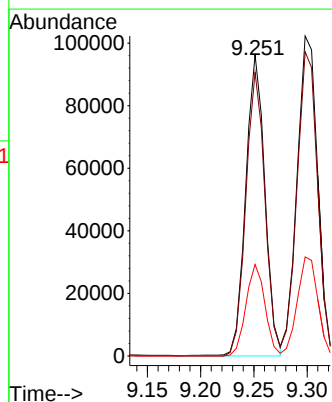
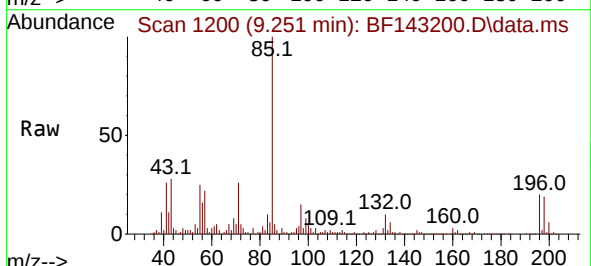
APPROVED

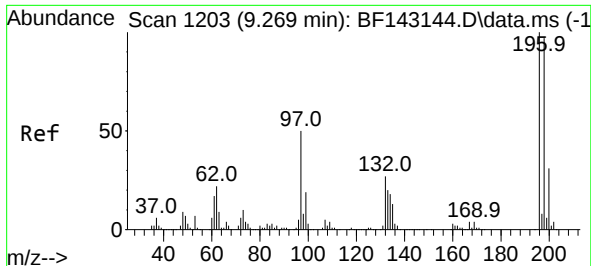
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#43
2,4,6-Trichlorophenol
Concen: 37.622 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.024 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion:196 Resp: 120729
Ion Ratio Lower Upper
196 100
198 94.2 76.2 114.2
200 30.4 23.9 35.9





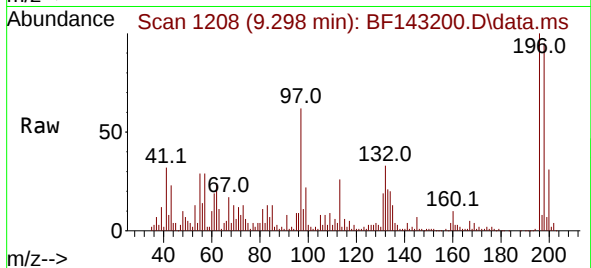
#44
2,4,5-Trichlorophenol
Concen: 42.425 ng
RT: 9.298 min Scan# 1208
Delta R.T. 0.029 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

FRAC TANKMSD



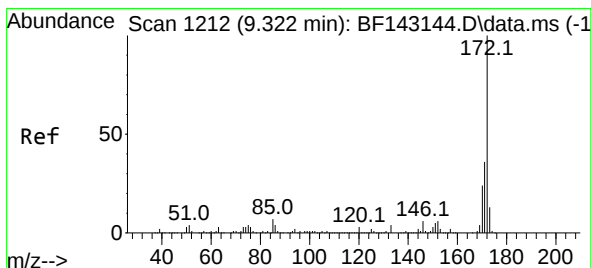
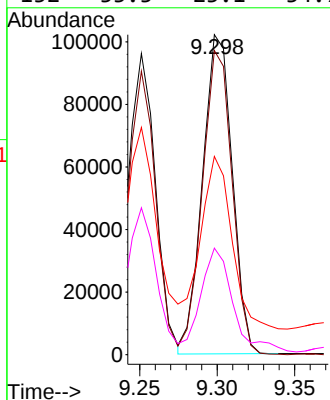
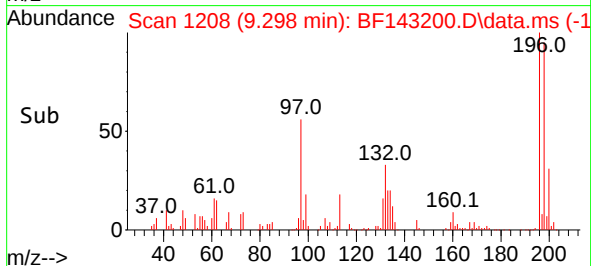
Tgt Ion:196 Resp: 13618
Ion Ratio Lower Upper
196 100
198 95.1 77.3 115.9
97 62.0 40.3 60.5
132 33.3 23.1 34.7

Manual Integrations

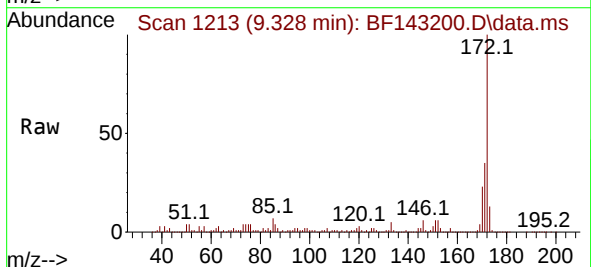
APPROVED

Reviewed By :Rahul Chavli 07/23/2025

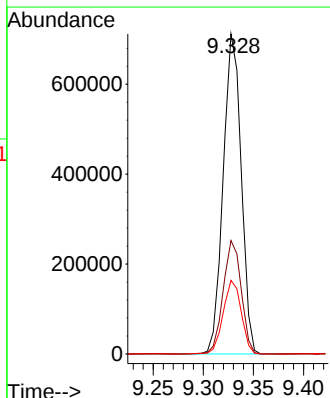
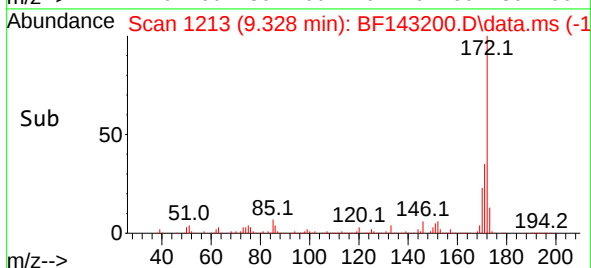
Supervised By :Jagrut Upadhyay 07/23/2025

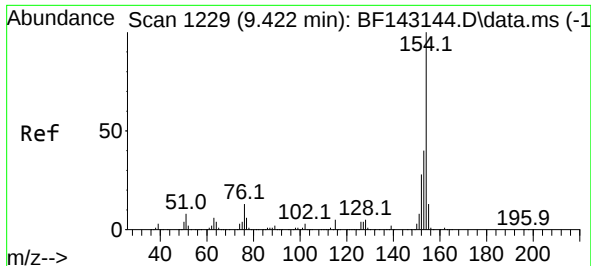


#45
2-Fluorobiphenyl
Concen: 75.656 ng
RT: 9.328 min Scan# 1213
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



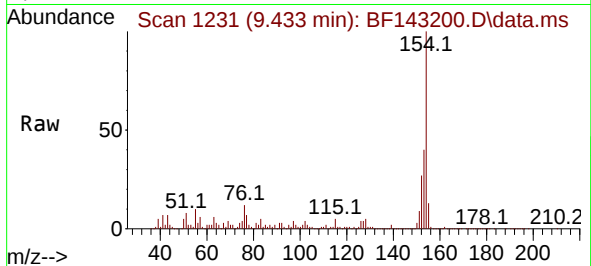
Tgt Ion:172 Resp: 888433
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.0 18.8 28.2





#46
1,1'-Biphenyl
Concen: 42.684 ng
RT: 9.433 min Scan# 1231
Delta R.T. 0.012 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

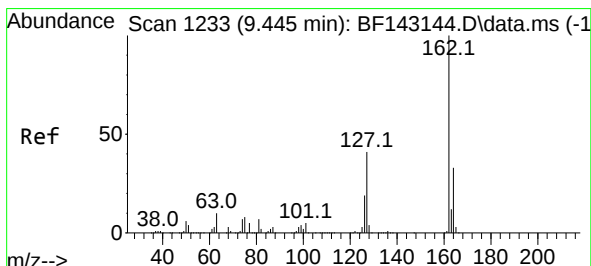
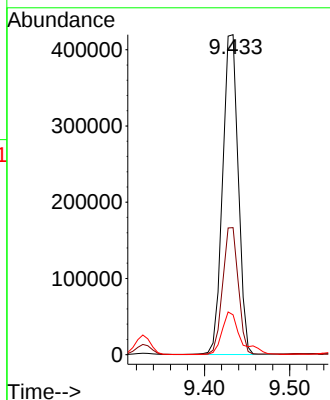
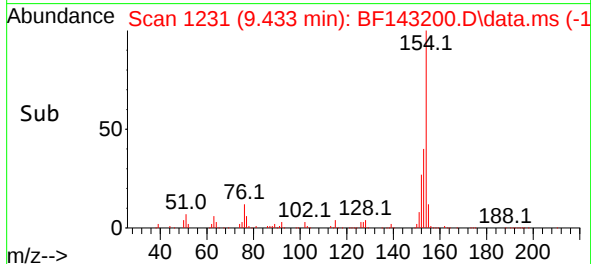
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



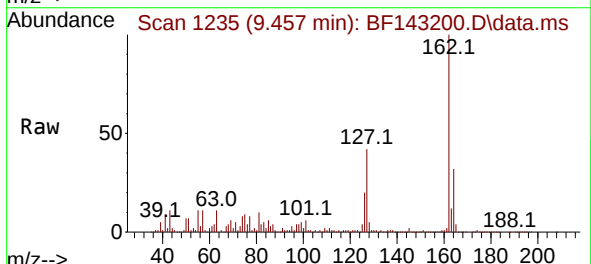
Tgt Ion:154 Resp: 53483
Ion Ratio Lower Upper
154 100
153 39.7 20.3 60.3
76 12.4 0.0 33.3

Manual Integrations
APPROVED

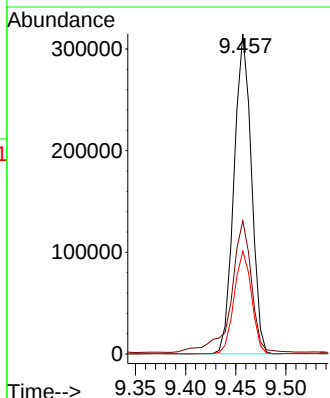
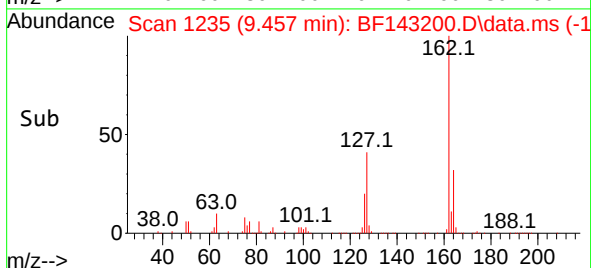
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

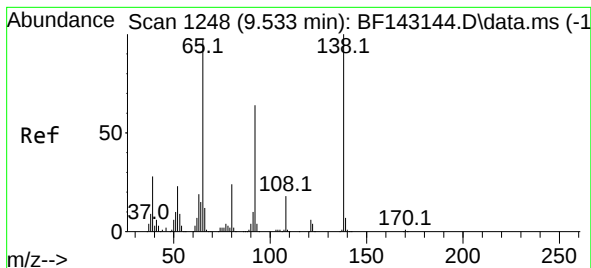


#47
2-Chloronaphthalene
Concen: 40.985 ng
RT: 9.457 min Scan# 1235
Delta R.T. 0.012 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



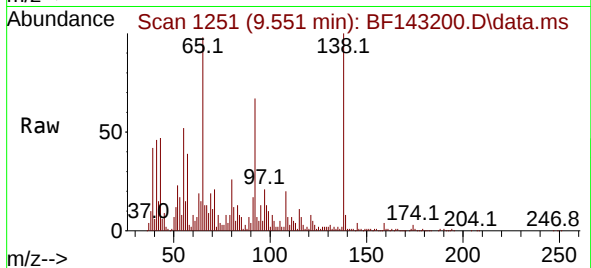
Tgt Ion:162 Resp: 379988
Ion Ratio Lower Upper
162 100
127 41.6 33.4 50.2
164 32.1 26.2 39.2





#48
2-Nitroaniline
Concen: 45.484 ng
RT: 9.551 min Scan# 110
Delta R.T. 0.018 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

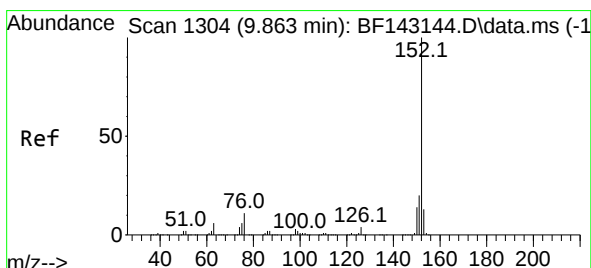
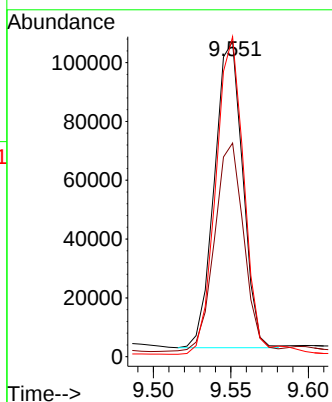
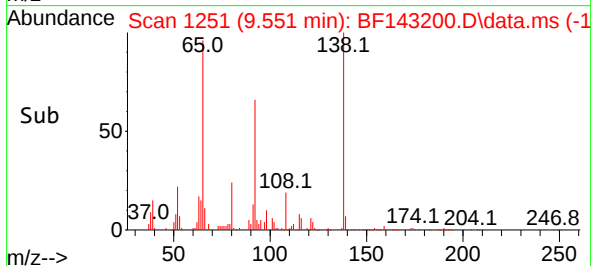
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



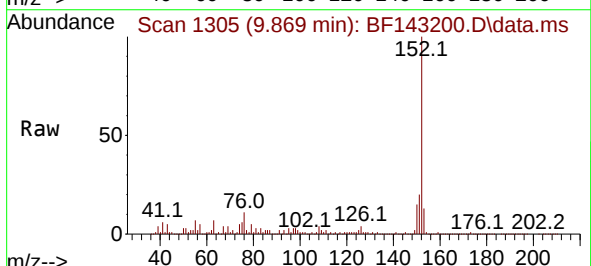
Tgt Ion: 65 Resp: 13224
Ion Ratio Lower Upper
65 100
92 67.8 52.4 78.6
138 101.6 82.3 123.5

Manual Integrations
APPROVED

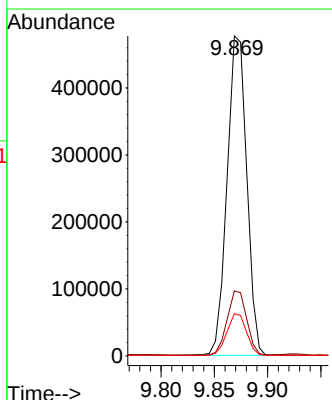
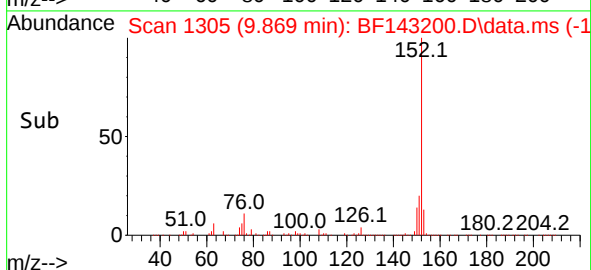
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

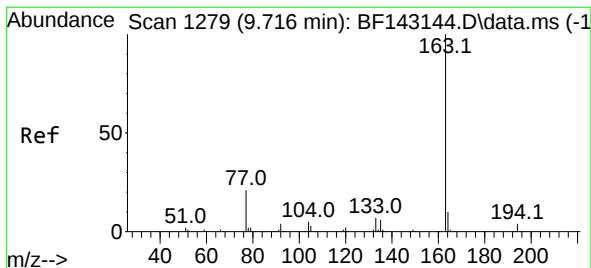


#49
Acenaphthylene
Concen: 39.484 ng
RT: 9.869 min Scan# 1305
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



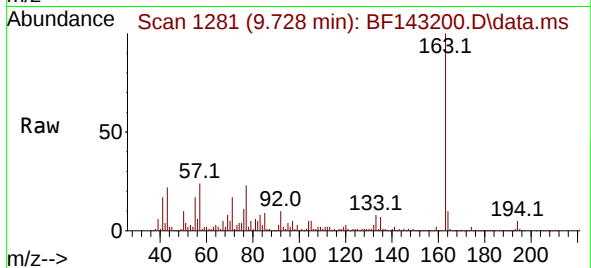
Tgt Ion:152 Resp: 613481
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.2 10.6 16.0





#50
Dimethylphthalate
Concen: 41.511 ng
RT: 9.728 min Scan# 1279
Delta R.T. 0.012 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

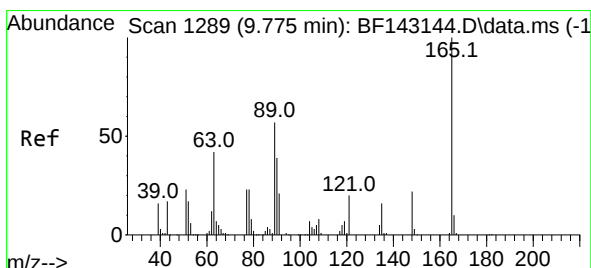
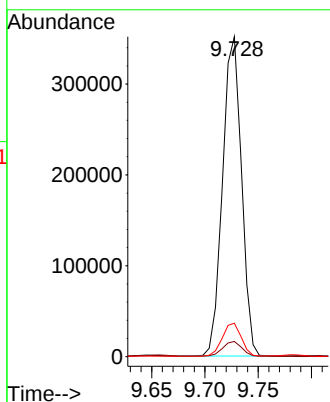
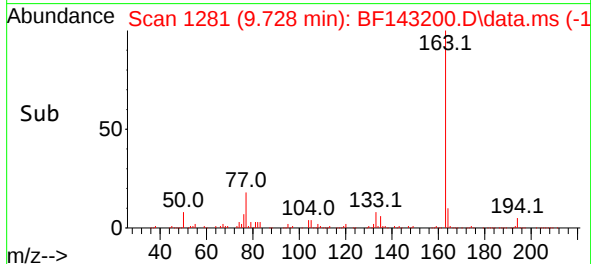
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



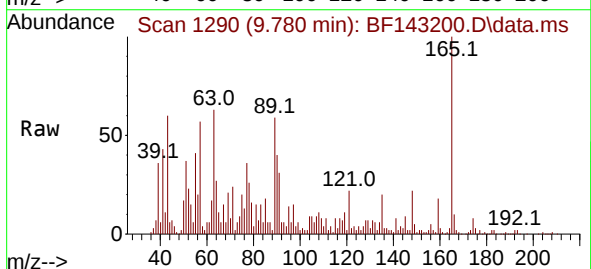
Tgt Ion:163 Resp: 434559
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.2
164 10.5 8.3 12.5

Manual Integrations
APPROVED

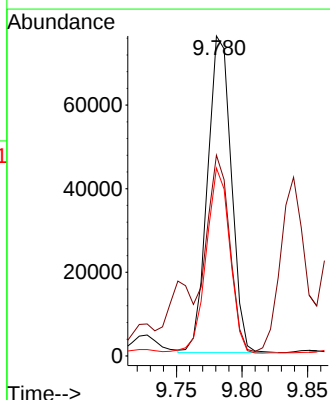
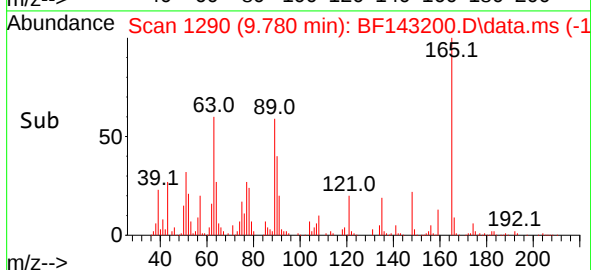
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

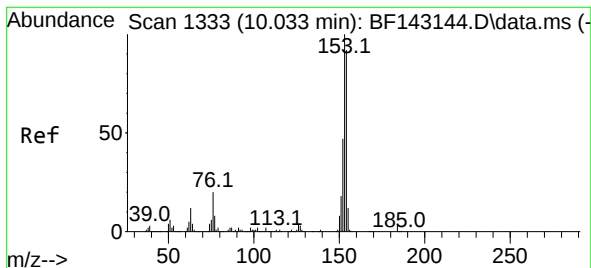


#51
2,6-Dinitrotoluene
Concen: 44.919 ng
RT: 9.780 min Scan# 1290
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



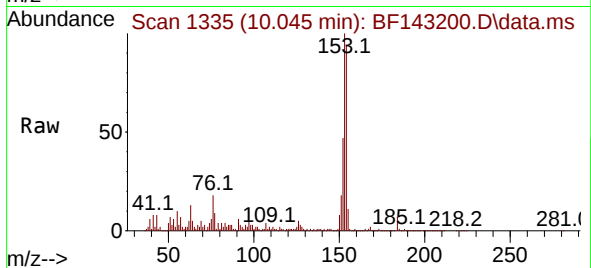
Tgt Ion:165 Resp: 95659
Ion Ratio Lower Upper
165 100
63 62.8 49.4 74.2
89 58.7 46.2 69.2





#52
Acenaphthene
Concen: 41.804 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.012 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

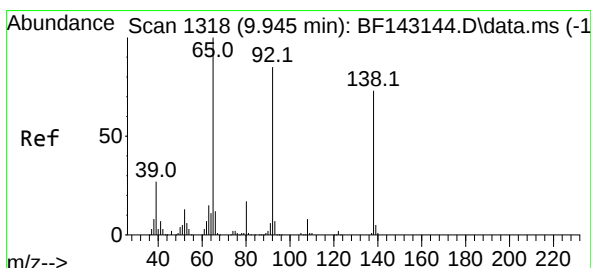
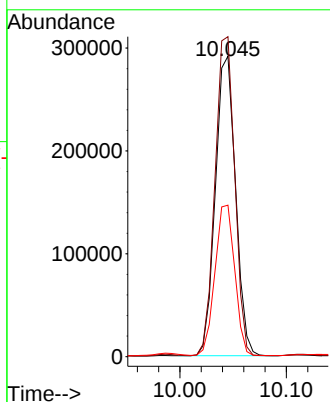
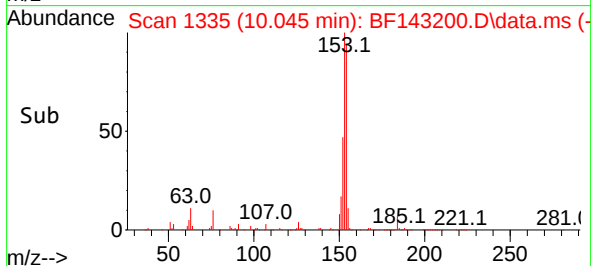
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



Tgt Ion:154 Resp: 383890
Ion Ratio Lower Upper
154 100
153 106.5 86.6 129.8
152 50.4 40.4 60.6

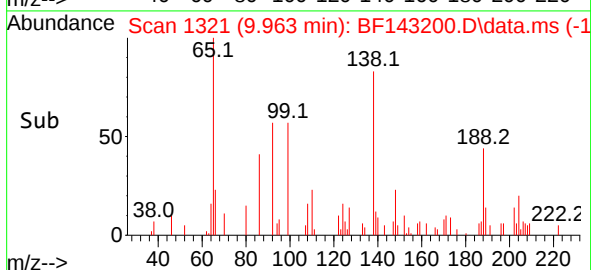
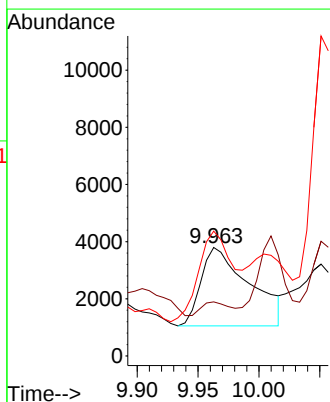
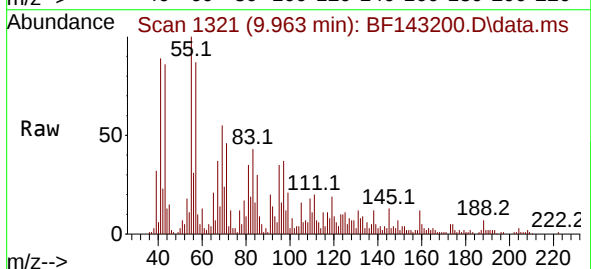
Manual Integrations
APPROVED

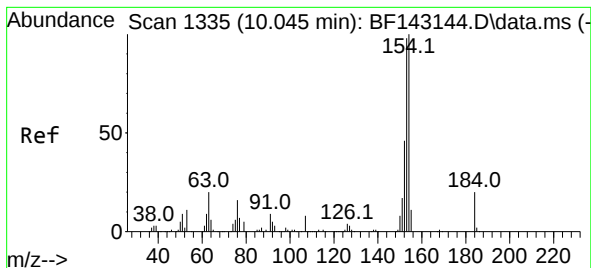
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#53
3-Nitroaniline
Concen: 3.045 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.018 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion:138 Resp: 7585
Ion Ratio Lower Upper
138 100
108 49.9 9.0 13.6#
92 115.0 93.0 139.4





#54
2,4-Dinitrophenol
Concen: 49.636 ng
RT: 10.051 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

FRAC TANKMSD

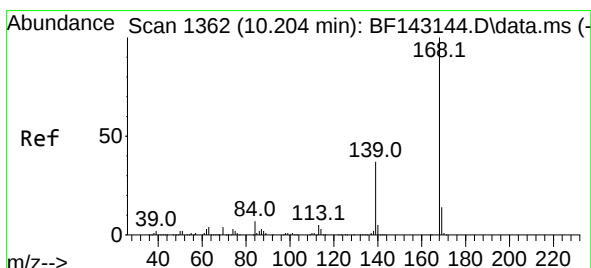
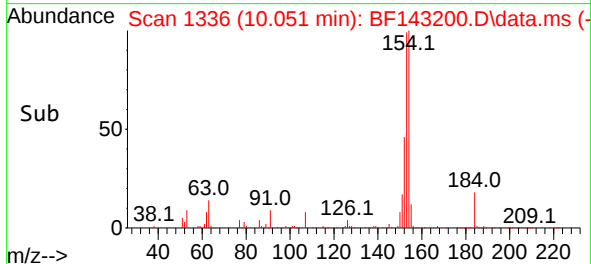
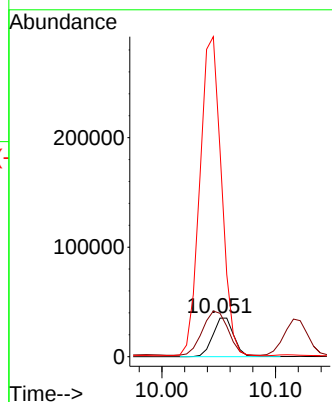
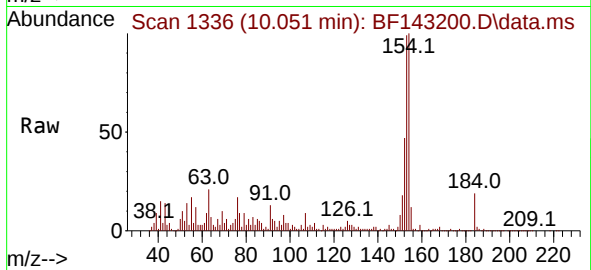
Tgt Ion:184 Resp: 45245
Ion Ratio Lower Upper
184 100
63 112.4 81.8 122.6
154 534.1 412.2 618.4

Manual Integrations

APPROVED

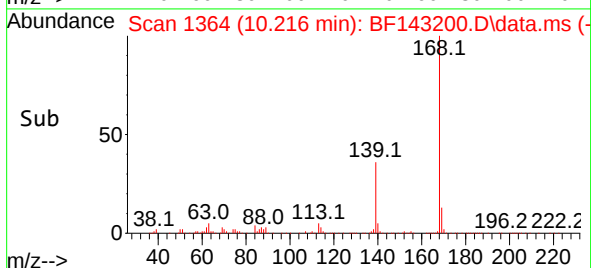
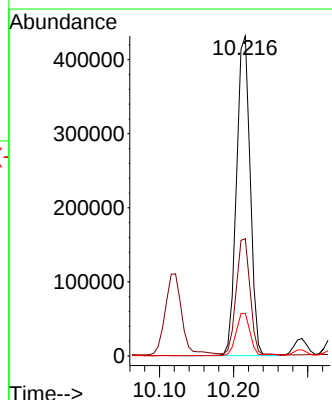
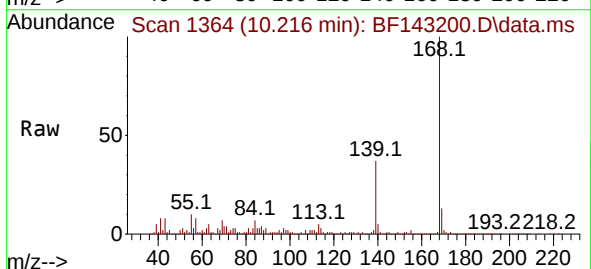
Reviewed By :Rahul Chavli 07/23/2025

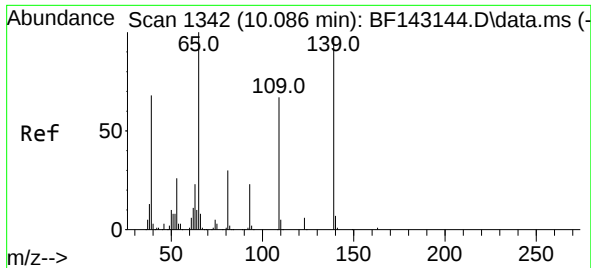
Supervised By :Jagrut Upadhyay 07/23/2025



#55
Dibenzofuran
Concen: 40.423 ng
RT: 10.216 min Scan# 1364
Delta R.T. 0.012 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

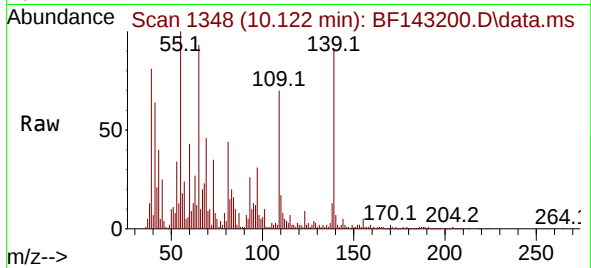
Tgt Ion:168 Resp: 551145
Ion Ratio Lower Upper
168 100
139 36.7 29.5 44.3
169 13.4 10.9 16.3





#56
4-Nitrophenol
Concen: 91.363 ng
RT: 10.122 min Scan# 1348
Delta R.T. 0.035 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

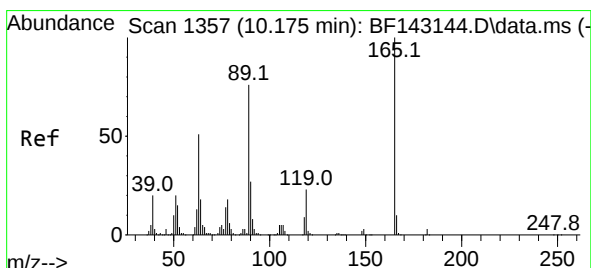
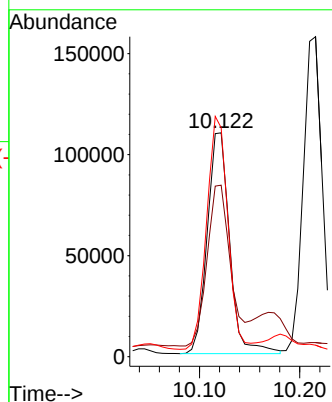
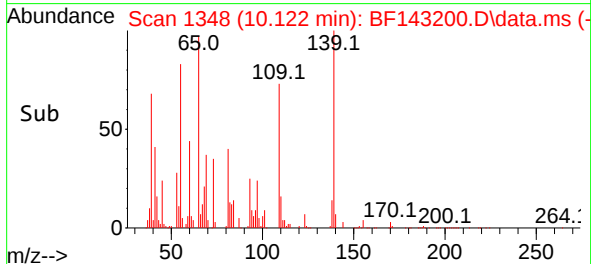
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



Tgt Ion:139 Resp: 169940
Ion Ratio Lower Upper
139 100
109 76.6 48.5 88.5
65 102.3 83.4 123.4

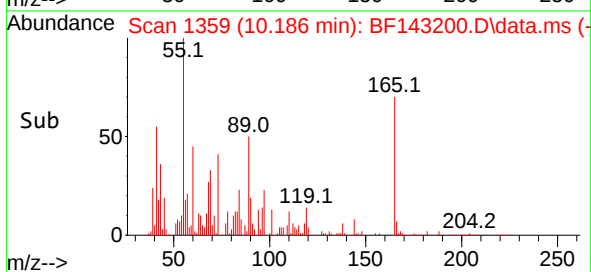
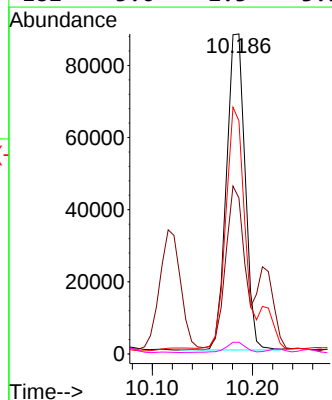
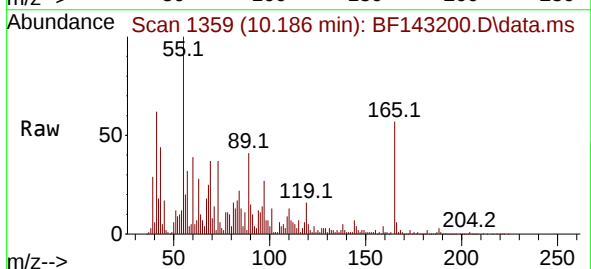
Manual Integrations
APPROVED

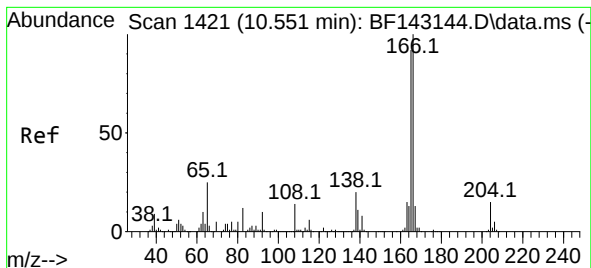
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#57
2,4-Dinitrotoluene
Concen: 42.418 ng
RT: 10.186 min Scan# 1359
Delta R.T. 0.012 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

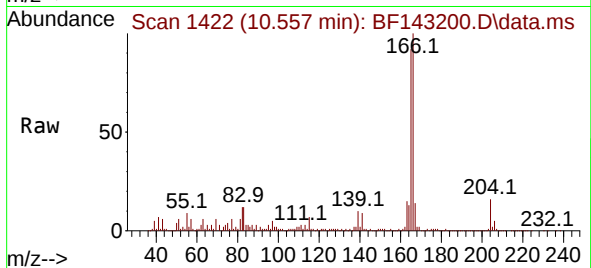
Tgt Ion:165 Resp: 113332
Ion Ratio Lower Upper
165 100
63 48.8 41.0 61.4
89 72.8 61.1 91.7
182 3.6 2.3 3.5#





#58
Fluorene
Concen: 42.417 ng
RT: 10.557 min Scan# 1421
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

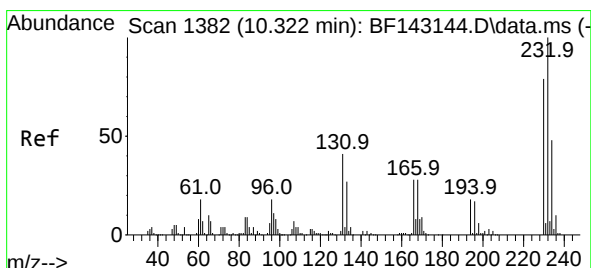
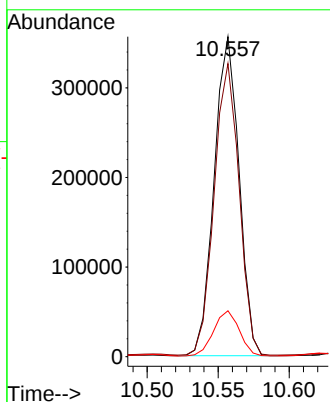
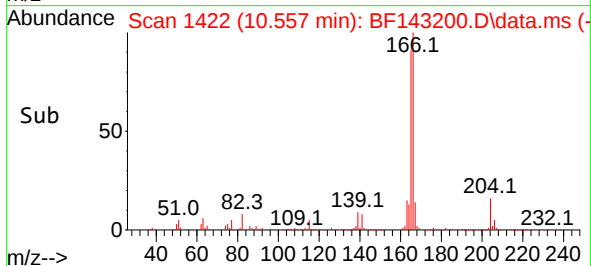
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



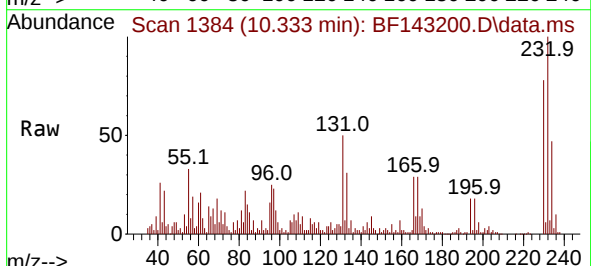
Tgt Ion:166 Resp: 43404
Ion Ratio Lower Upper
166 100
165 91.6 73.7 110.5
167 14.4 10.6 16.0

Manual Integrations
APPROVED

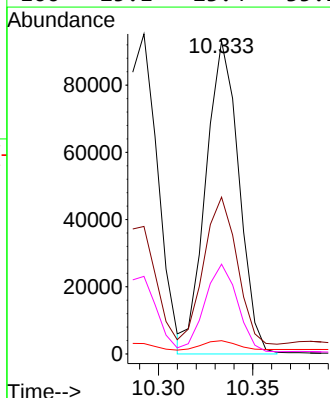
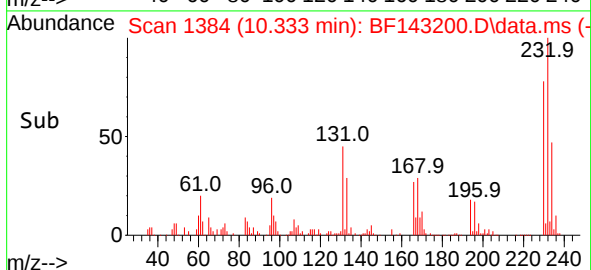
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

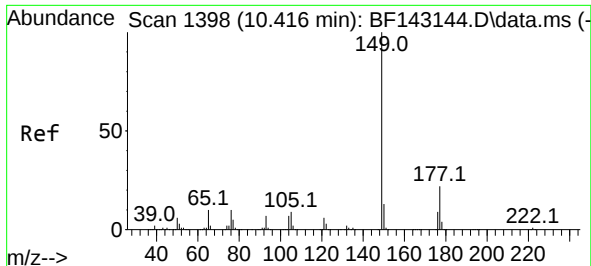


#59
2,3,4,6-Tetrachlorophenol
Concen: 42.767 ng m
RT: 10.333 min Scan# 1384
Delta R.T. 0.012 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



Tgt Ion:232 Resp: 113718
Ion Ratio Lower Upper
232 100
131 40.7 35.3 52.9
130 2.4 1.7 2.5
166 25.1 23.4 35.2





#60
Diethylphthalate
Concen: 48.774 ng
RT: 10.422 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

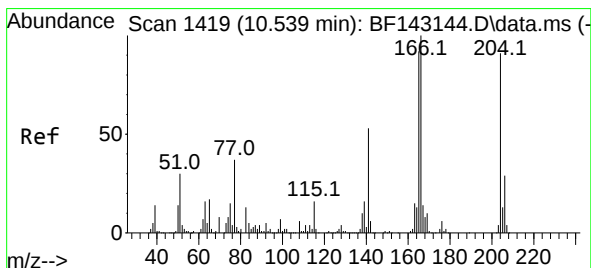
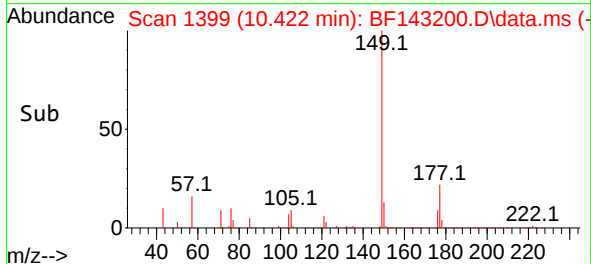
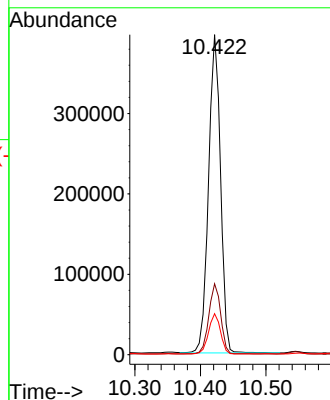
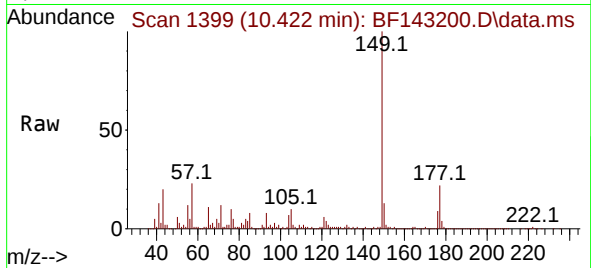
FRAC TANKMSD

Tgt Ion:149 Resp: 504664
Ion Ratio Lower Upper
149 100
177 22.2 17.5 26.3
150 12.8 10.2 15.2

Manual Integrations

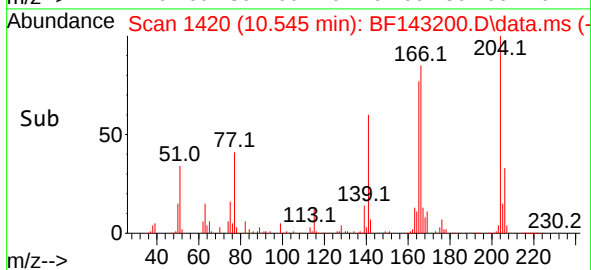
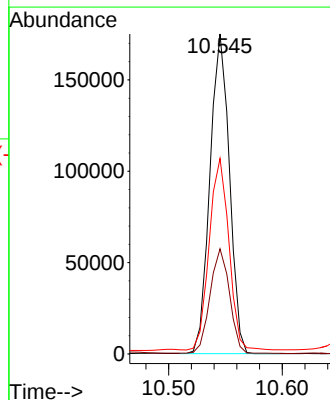
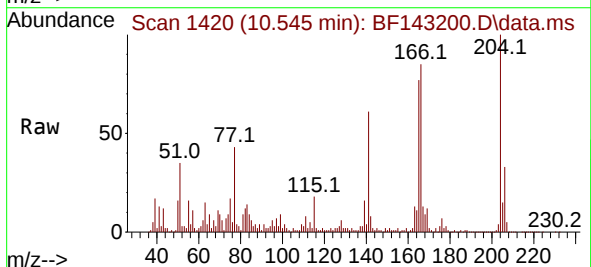
APPROVED

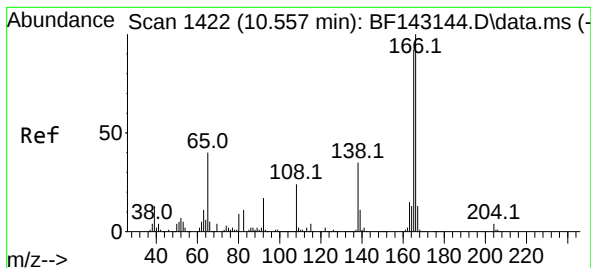
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#61
4-Chlorophenyl-phenylether
Concen: 40.869 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion:204 Resp: 208242
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 61.1 47.0 70.4





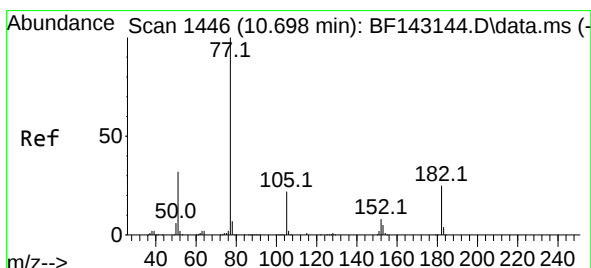
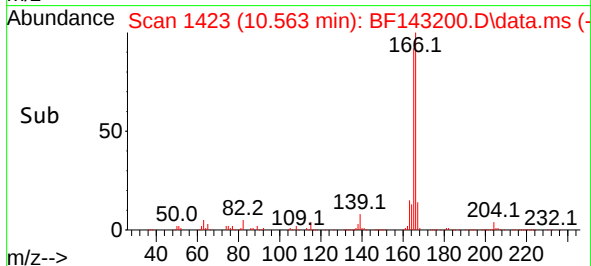
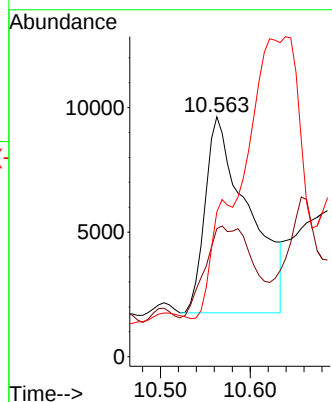
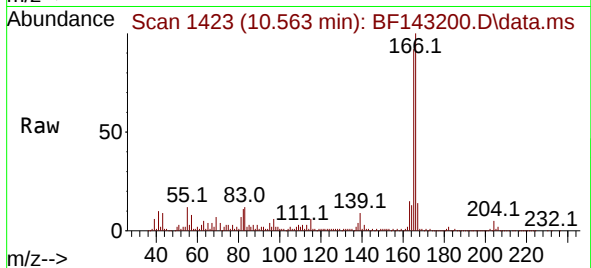
#62
4-Nitroaniline
Concen: 12.416 ng
RT: 10.563 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD

Tgt Ion:138 Resp: 2650
Ion Ratio Lower Upper
138 100
92 53.3 29.3 69.3
108 60.4 48.3 88.3

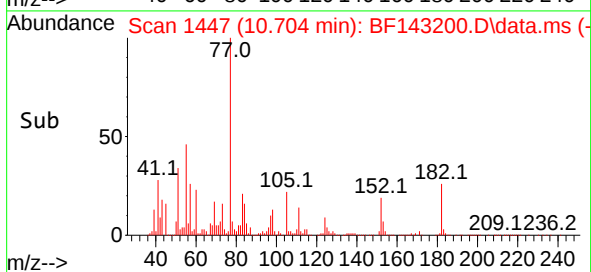
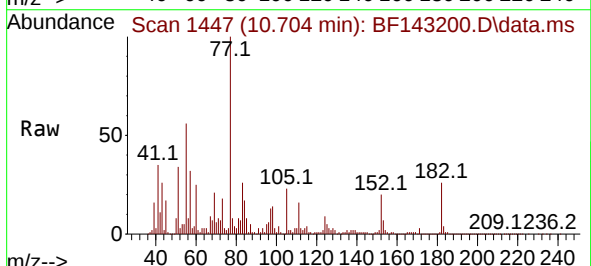
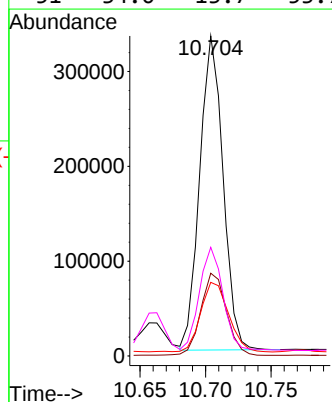
Manual Integrations
APPROVED

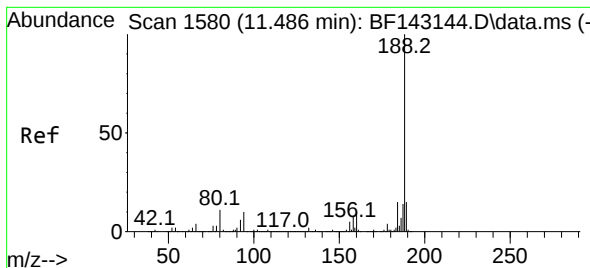
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#63
Azobenzene
Concen: 38.152 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

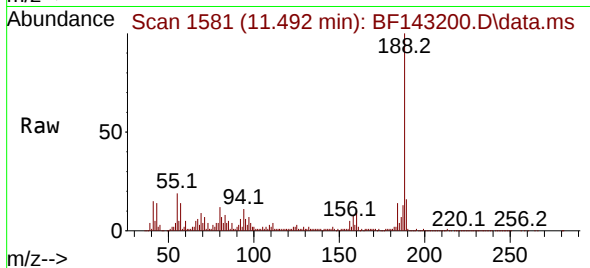
Tgt Ion: 77 Resp: 411429
Ion Ratio Lower Upper
77 100
182 25.8 4.6 44.6
105 23.0 1.4 41.4
51 34.0 13.7 53.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1149
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

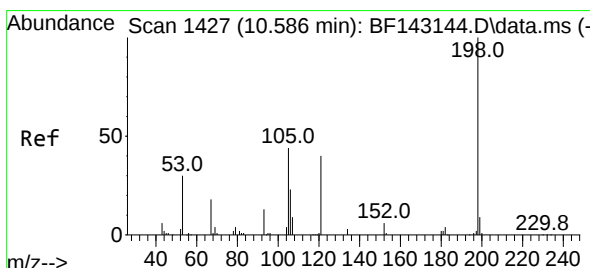
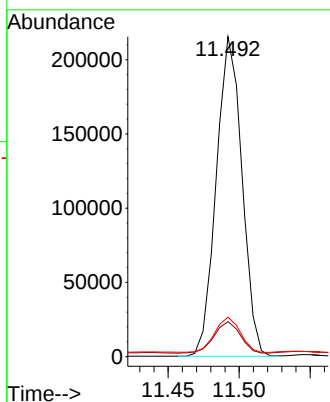
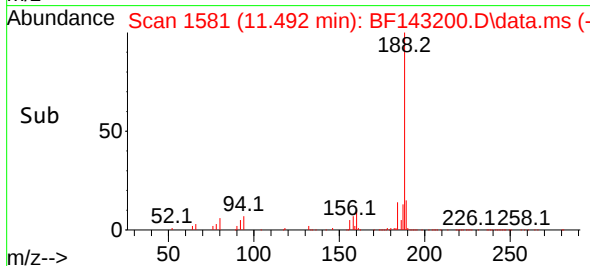
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



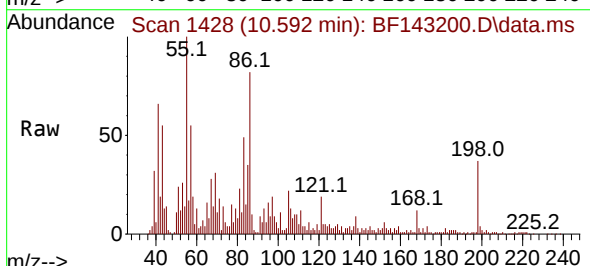
Tgt Ion:188 Resp: 270710
Ion Ratio Lower Upper
188 100
94 10.9 8.3 12.5
80 12.3 9.0 13.6

Manual Integrations
APPROVED

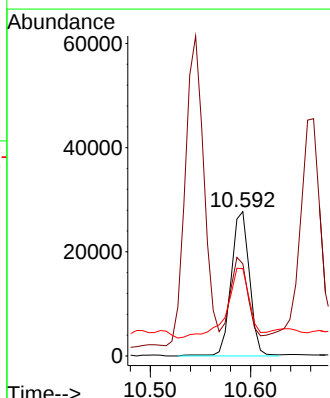
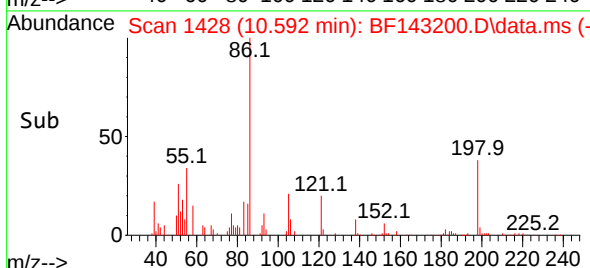
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

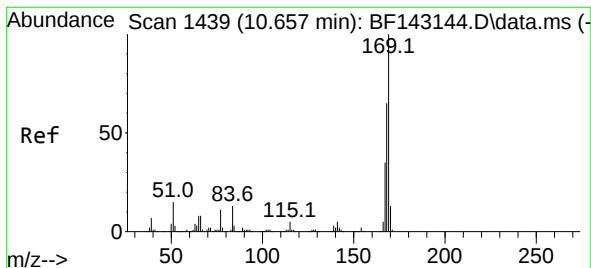


#65
4,6-Dinitro-2-methylphenol
Concen: 27.426 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



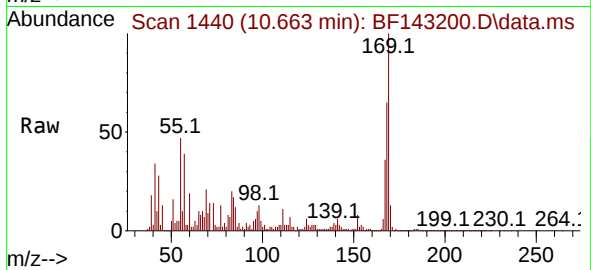
Tgt Ion:198 Resp: 35210
Ion Ratio Lower Upper
198 100
51 63.8 37.2 77.2
105 60.5 24.8 64.8





#66
n-Nitrosodiphenylamine
Concen: 35.882 ng
RT: 10.663 min Scan# 1439
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

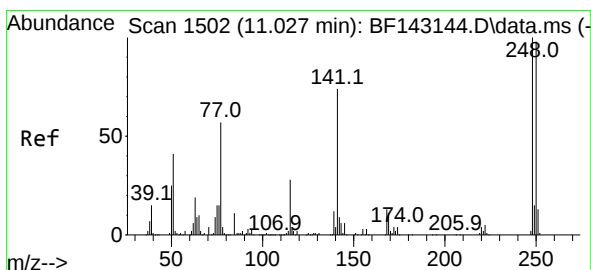
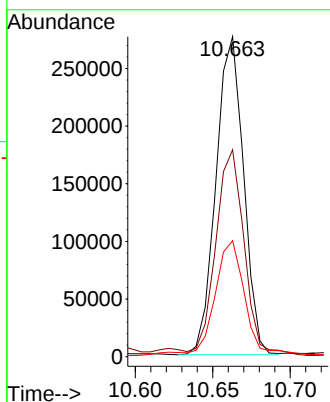
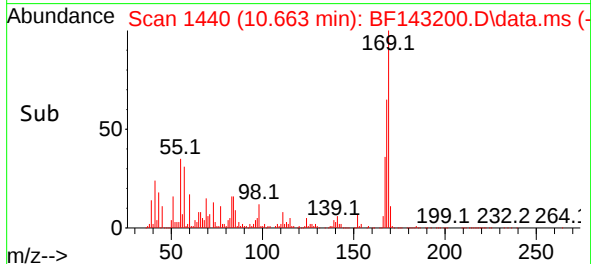
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



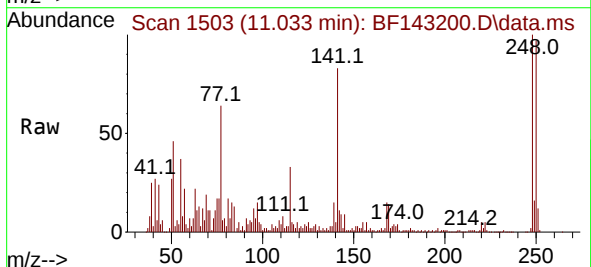
Tgt Ion:169 Resp: 34204
Ion Ratio Lower Upper
169 100
168 64.6 52.1 78.1
167 36.3 28.2 42.2

Manual Integrations
APPROVED

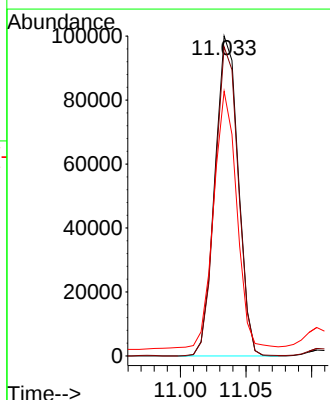
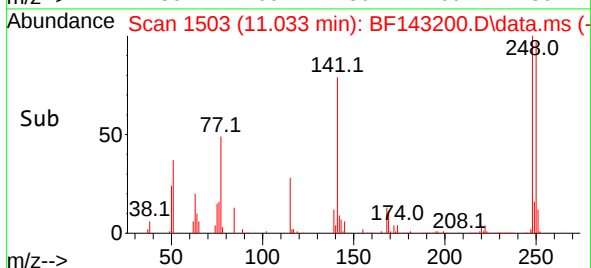
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

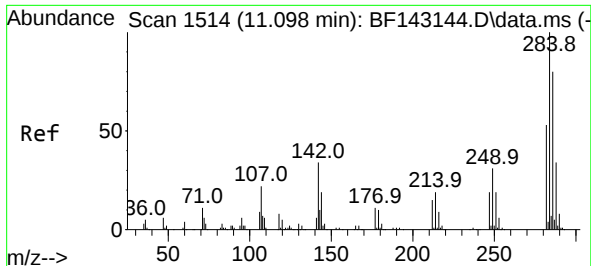


#67
4-Bromophenyl-phenylether
Concen: 38.423 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



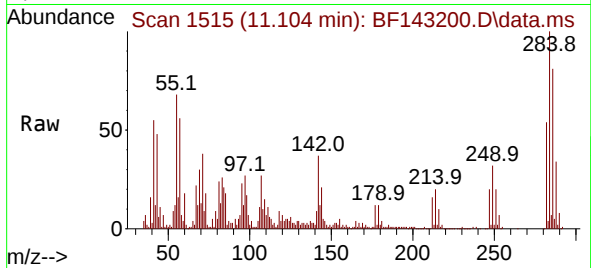
Tgt Ion:248 Resp: 123959
Ion Ratio Lower Upper
248 100
250 96.6 78.3 117.5
141 82.7 59.2 88.8





#68
Hexachlorobenzene
Concen: 38.298 ng
RT: 11.104 min Scan# 1514
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

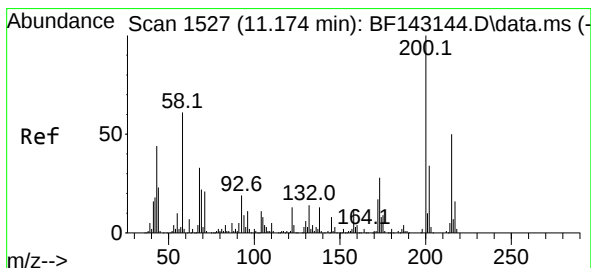
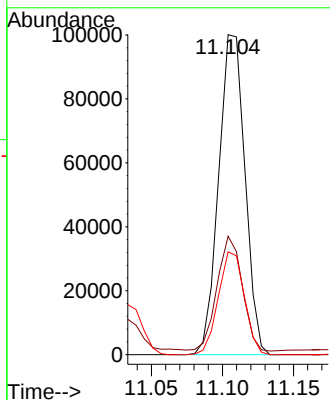
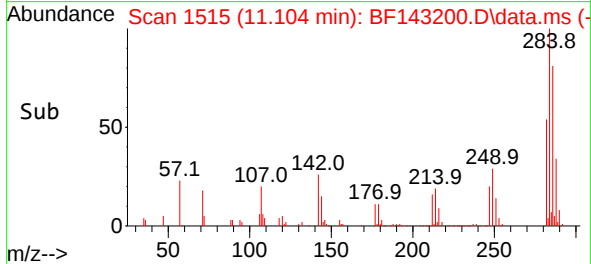
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



Tgt Ion:284 Resp: 12914
Ion Ratio Lower Upper
284 100
142 37.0 27.0 40.6
249 32.2 25.0 37.6

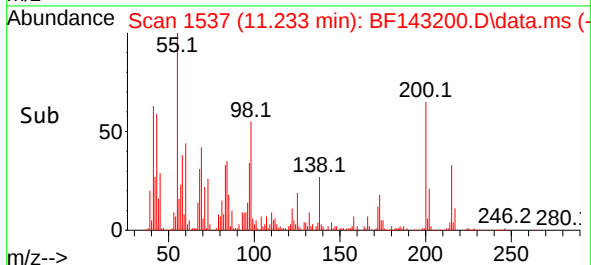
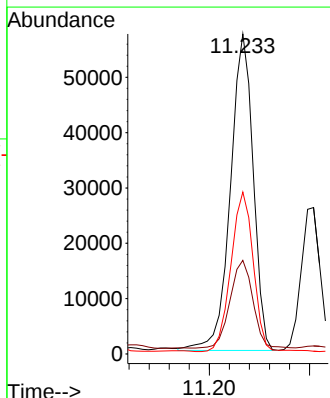
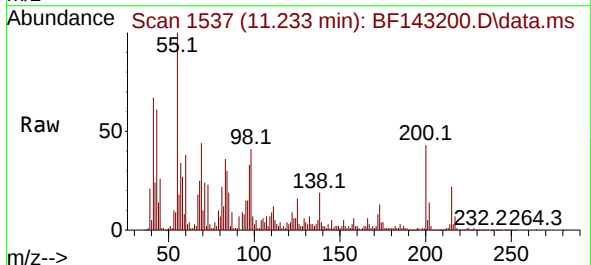
Manual Integrations
APPROVED

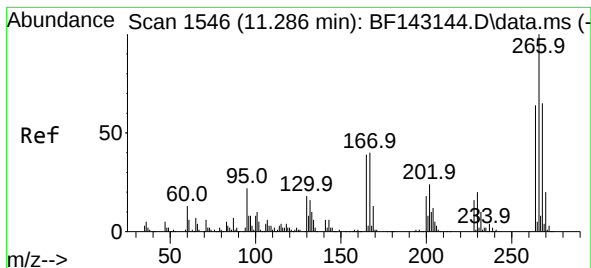
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#69
Atrazine
Concen: 34.333 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.059 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

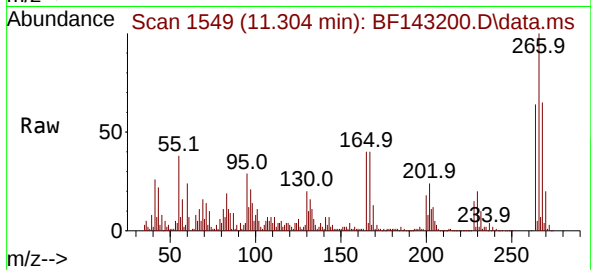
Tgt Ion:200 Resp: 90228
Ion Ratio Lower Upper
200 100
173 29.2 7.9 47.9
215 50.6 30.1 70.1





#70
Pentachlorophenol
Concen: 95.559 ng
RT: 11.304 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

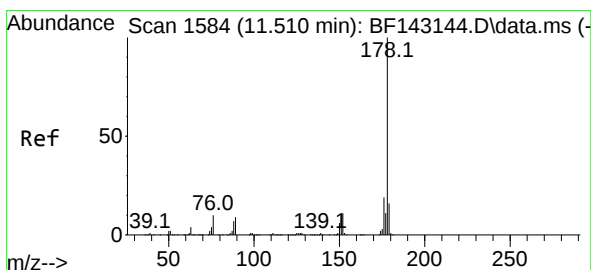
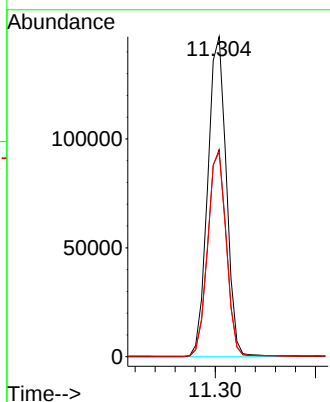
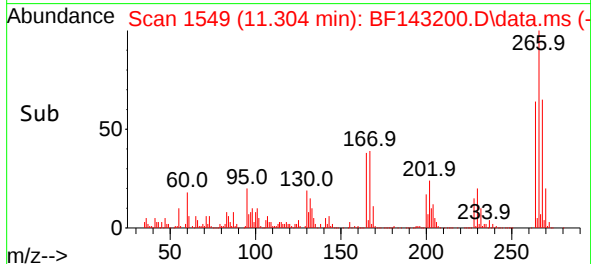
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



Tgt Ion:266 Resp: 189494
Ion Ratio Lower Upper
266 100
268 64.7 51.9 77.9
264 63.9 51.0 76.6

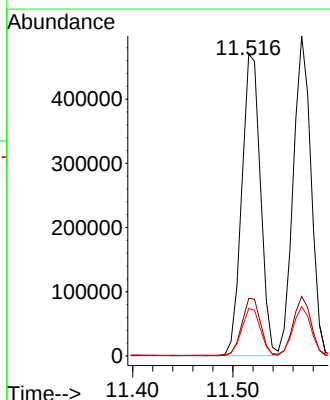
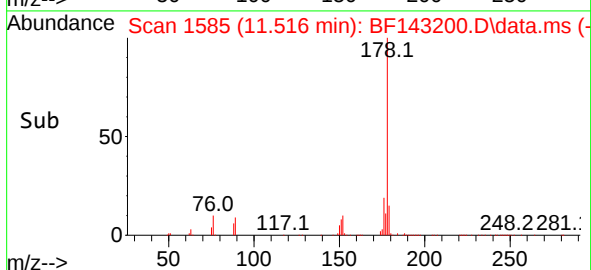
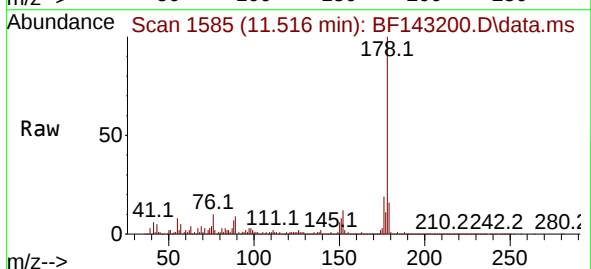
Manual Integrations
APPROVED

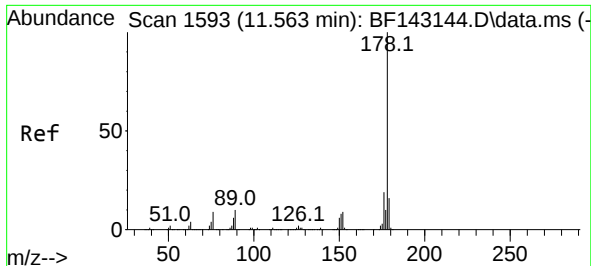
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#71
Phenanthrene
Concen: 42.391 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

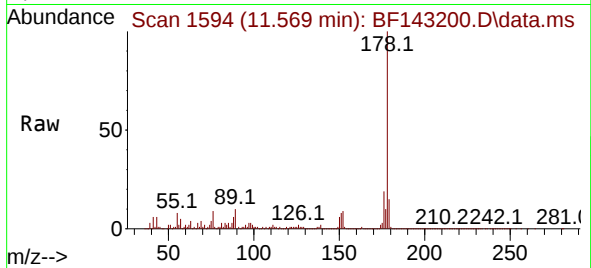
Tgt Ion:178 Resp: 609324
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.7 12.5 18.7





#72
 Anthracene
 Concen: 41.463 ng
 RT: 11.569 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143200.D
 Acq: 22 Jul 2025 20:49

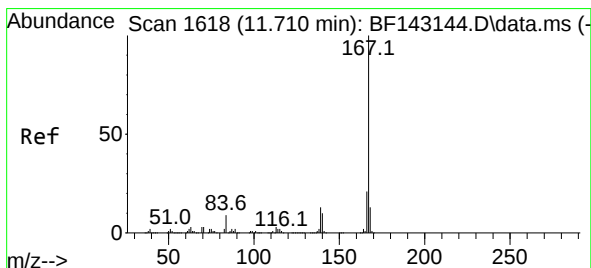
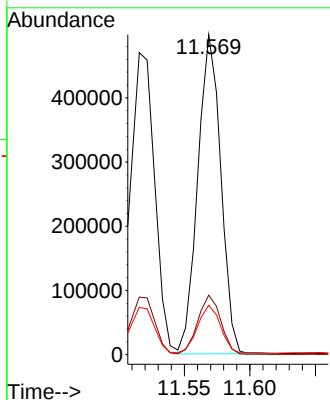
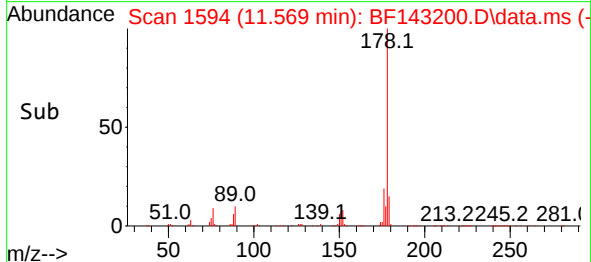
Instrument :
 BNA_F
 ClientSampleId :
 FRAC TANKMSD



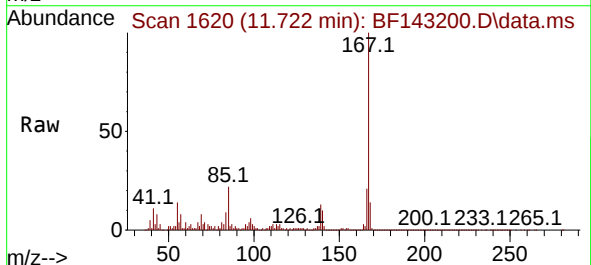
Tgt Ion:178 Resp: 60783
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.4
 179 15.4 12.5 18.7

Manual Integrations
 APPROVED

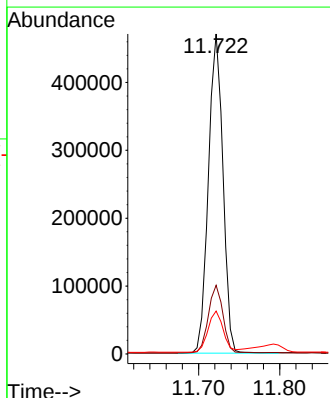
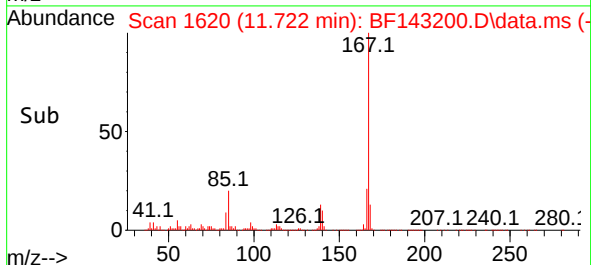
Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

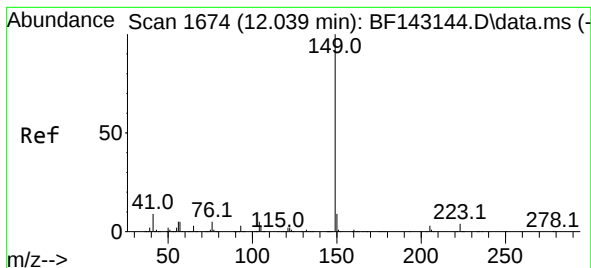


#73
 Carbazole
 Concen: 45.541 ng
 RT: 11.722 min Scan# 1620
 Delta R.T. 0.012 min
 Lab File: BF143200.D
 Acq: 22 Jul 2025 20:49



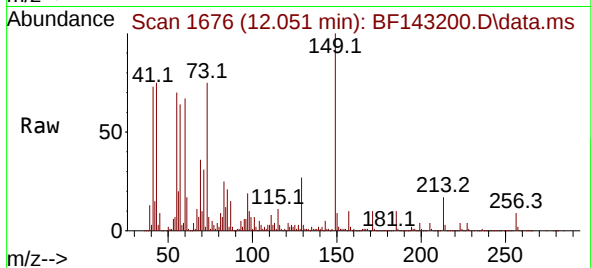
Tgt Ion:167 Resp: 582966
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.6
 139 13.4 10.0 15.0





#74
Di-n-butylphthalate
Concen: 39.918 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.012 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

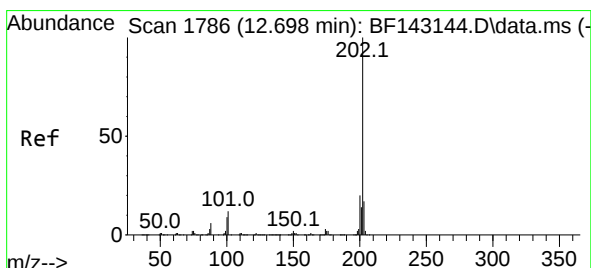
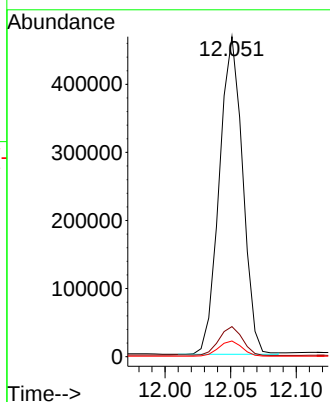
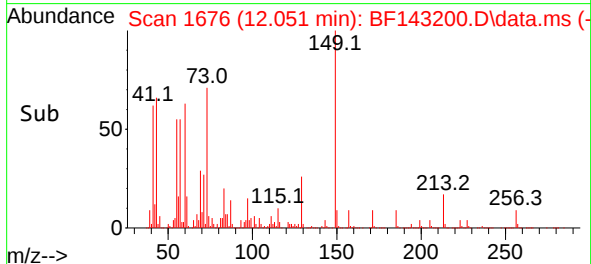
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



Tgt Ion:149 Resp: 578170
Ion Ratio Lower Upper
149 100
150 9.4 7.4 11.2
104 4.9 3.8 5.8

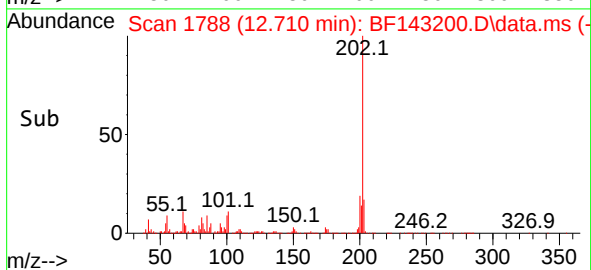
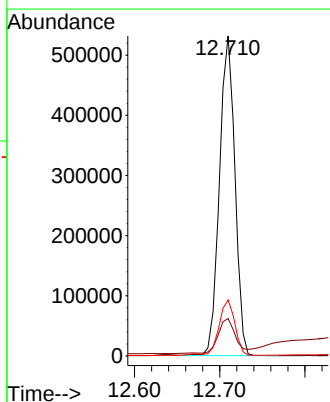
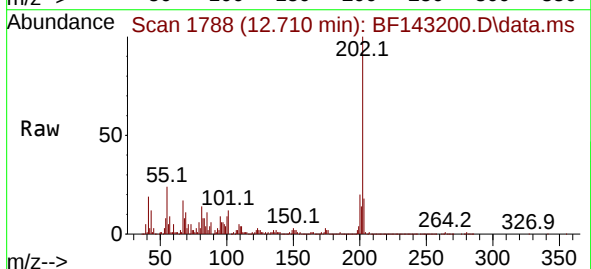
Manual Integrations
APPROVED

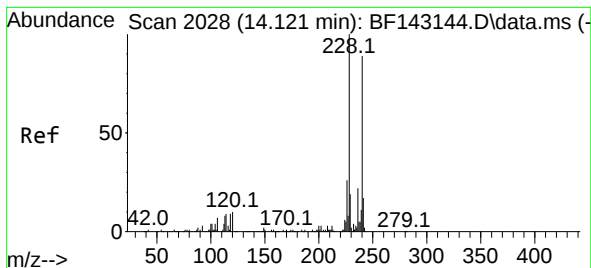
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#75
Fluoranthene
Concen: 50.942 ng
RT: 12.710 min Scan# 1788
Delta R.T. 0.012 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion:202 Resp: 672099
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.7
203 17.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.151 min Scan# 2028

Delta R.T. 0.029 min

Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

FRAC TANKMSD

Tgt Ion:240 Resp: 25221

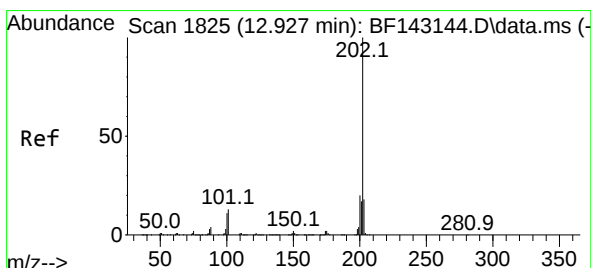
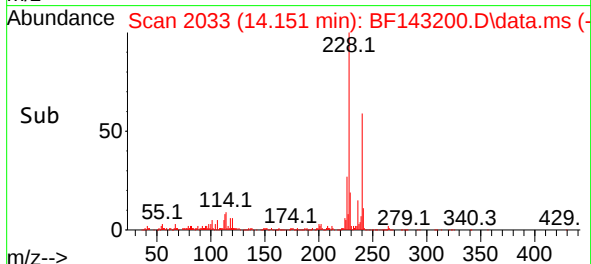
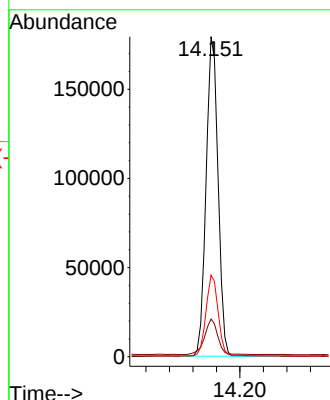
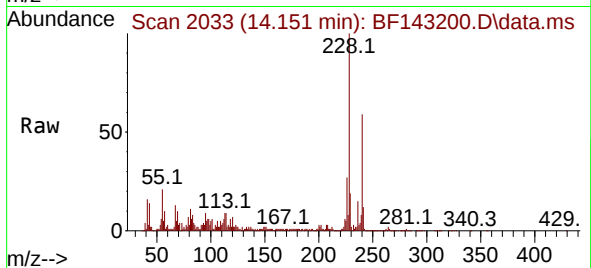
Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.4	14.2
236	25.5	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#78

Pyrene

Concen: 10.941 ng

RT: 12.945 min Scan# 1828

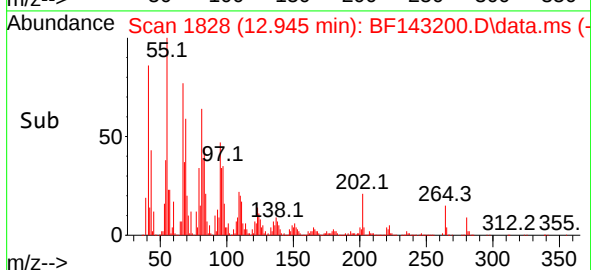
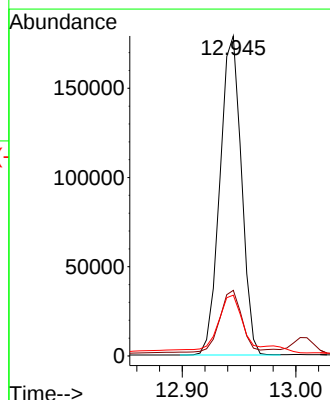
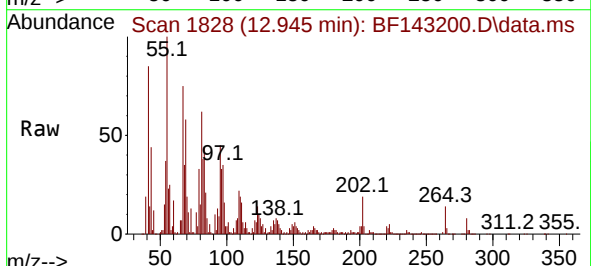
Delta R.T. 0.018 min

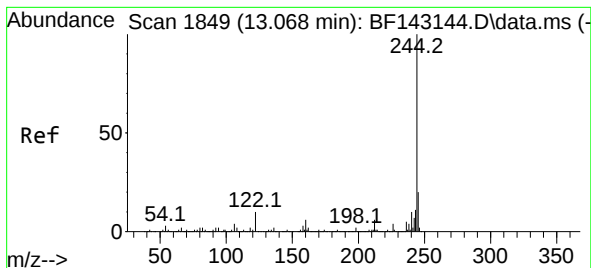
Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

Tgt Ion:202 Resp: 235511

Ion	Ratio	Lower	Upper
202	100		
200	20.5	15.7	23.5
203	19.0	14.2	21.2





#79

Terphenyl-d14

Concen: 50.512 ng

RT: 13.092 min Scan# 11

Delta R.T. 0.024 min

Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

FRAC TANKMSD

Tgt Ion:244 Resp: 856090

Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

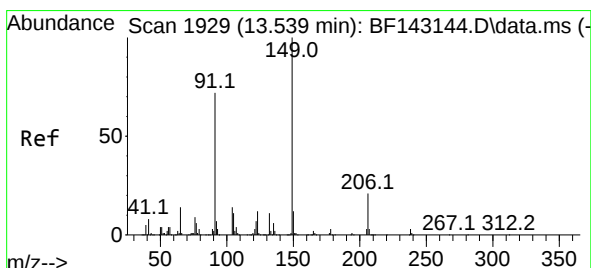
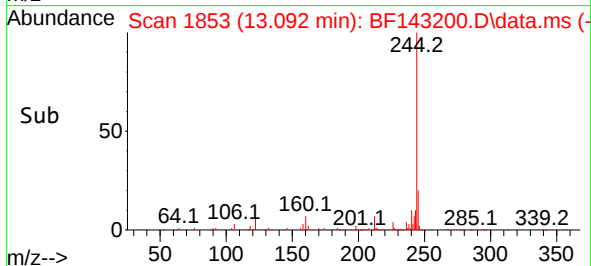
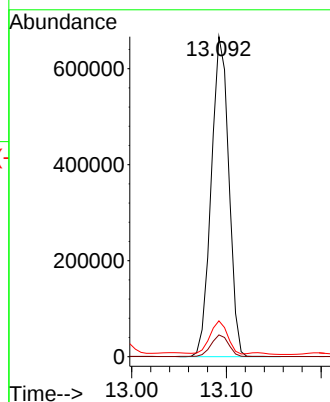
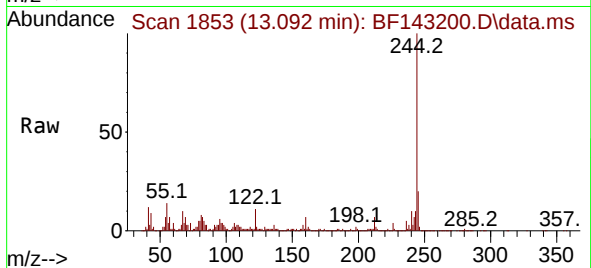
122 11.2 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#80

Butylbenzylphthalate

Concen: 47.739 ng

RT: 13.574 min Scan# 1935

Delta R.T. 0.035 min

Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

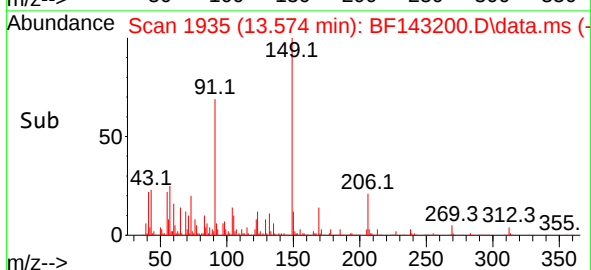
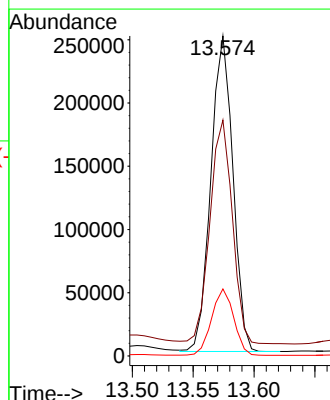
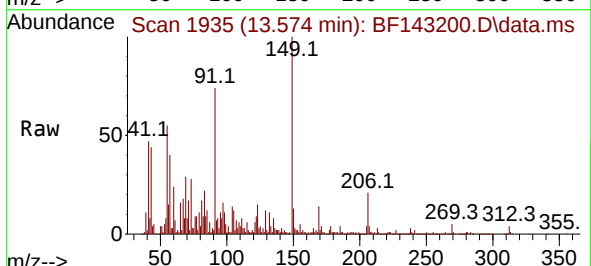
Tgt Ion:149 Resp: 314657

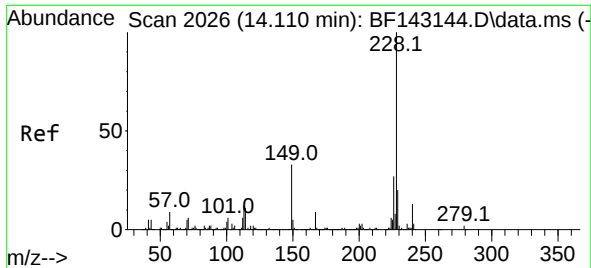
Ion Ratio Lower Upper

149 100

91 73.7 57.9 86.9

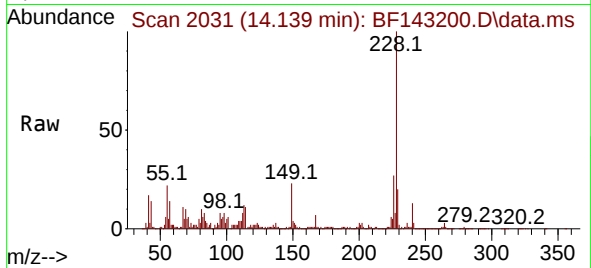
206 20.9 17.0 25.4





#81
Benzo(a)anthracene
Concen: 42.598 ng
RT: 14.139 min Scan# 2026
Delta R.T. 0.029 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

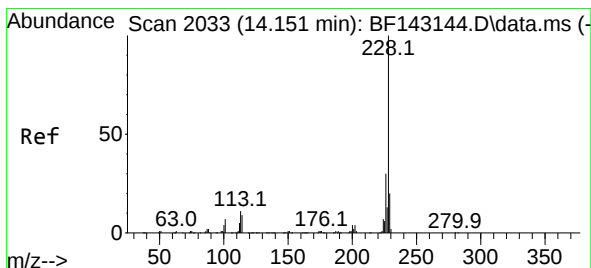
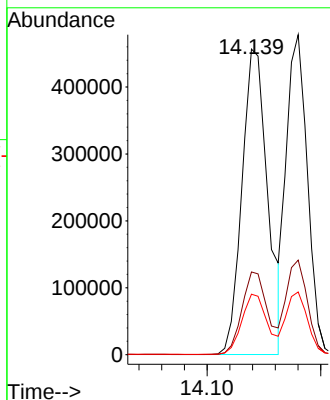
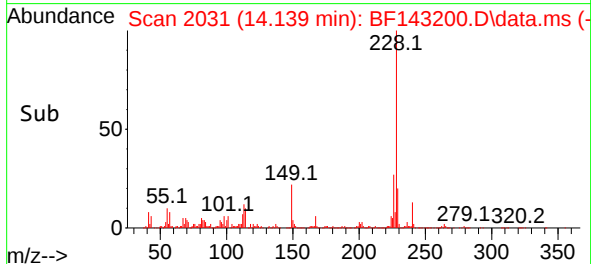
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



Tgt Ion:228 Resp: 719284
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 19.8 15.8 23.6

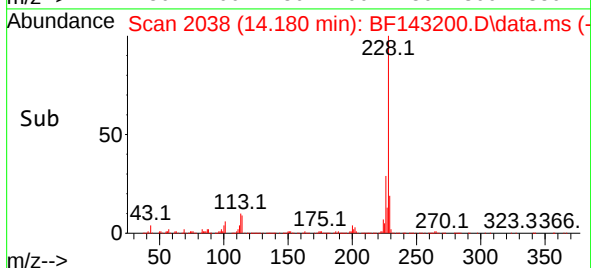
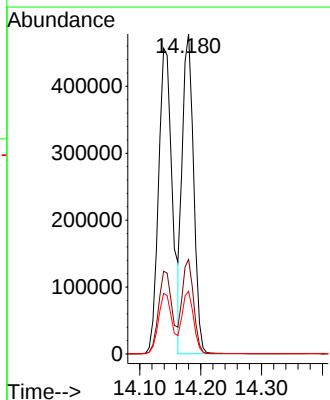
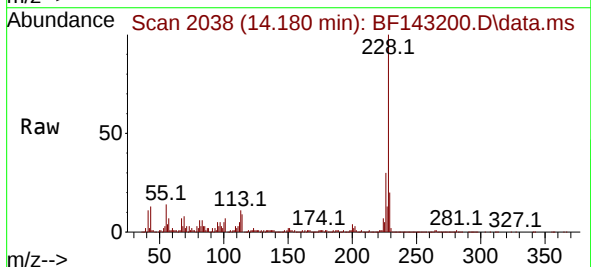
Manual Integrations
APPROVED

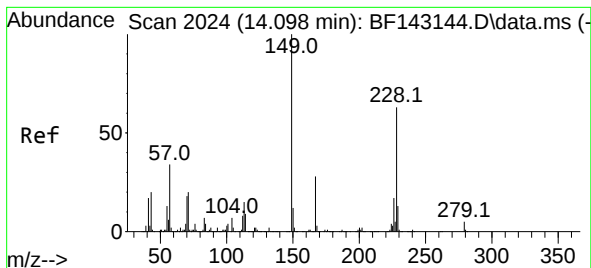
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#83
Chrysene
Concen: 40.588 ng
RT: 14.180 min Scan# 2038
Delta R.T. 0.029 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

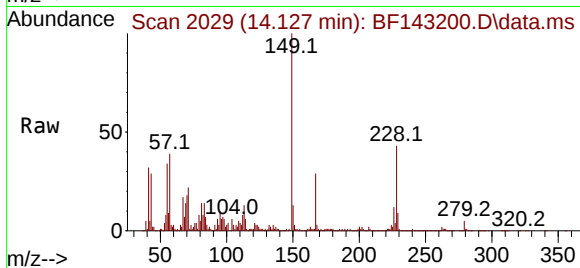
Tgt Ion:228 Resp: 616188
Ion Ratio Lower Upper
228 100
226 29.5 23.8 35.8
229 19.6 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 46.508 ng
RT: 14.127 min Scan# 20
Delta R.T. 0.029 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

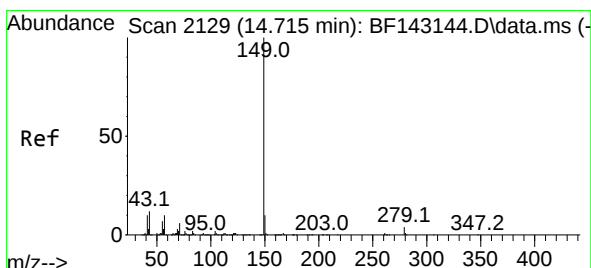
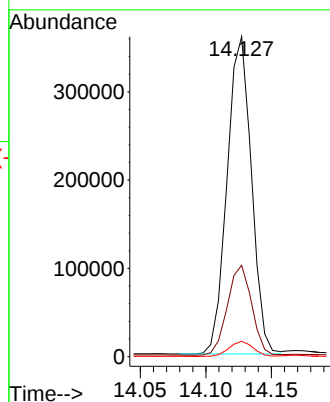
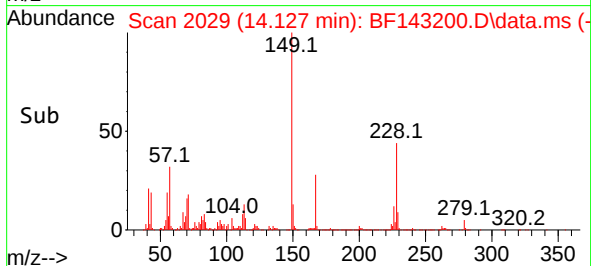
Instrument :
BNA_F
ClientSampleId :
FRAC TANKMSD



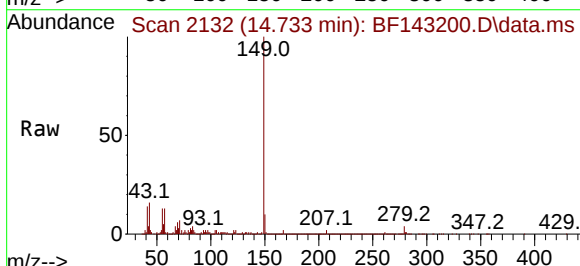
Tgt Ion:149 Resp: 46398
Ion Ratio Lower Upper
149 100
167 28.6 22.3 33.5
279 4.8 3.6 5.4

Manual Integrations
APPROVED

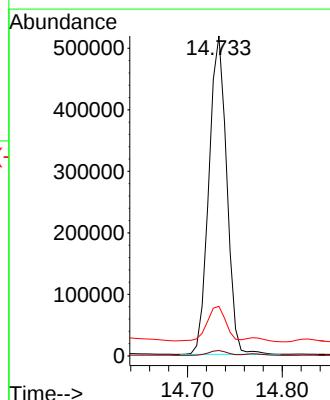
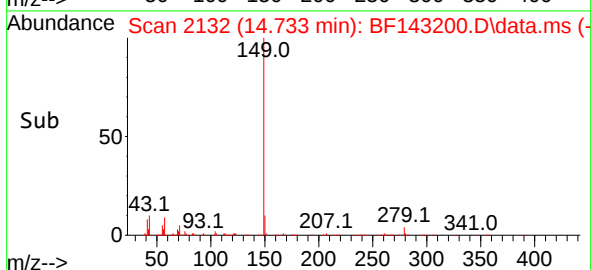
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

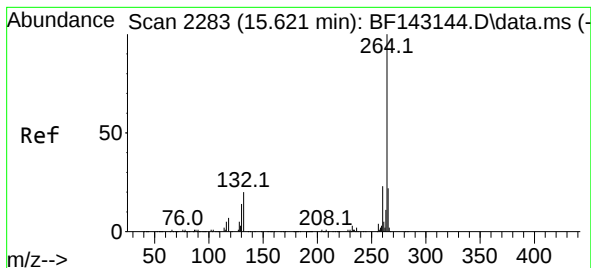


#85
Di-n-octyl phthalate
Concen: 37.243 ng
RT: 14.733 min Scan# 2132
Delta R.T. 0.018 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49



Tgt Ion:149 Resp: 673481
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.6 9.7 14.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

FRAC TANKMSD

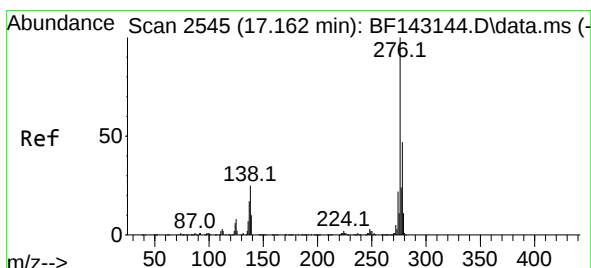
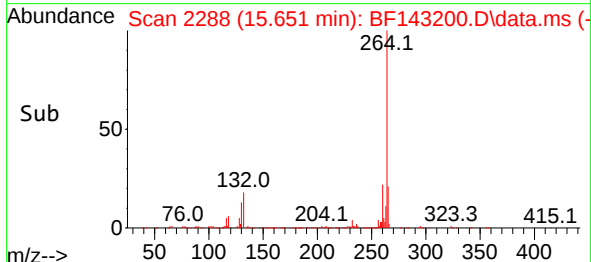
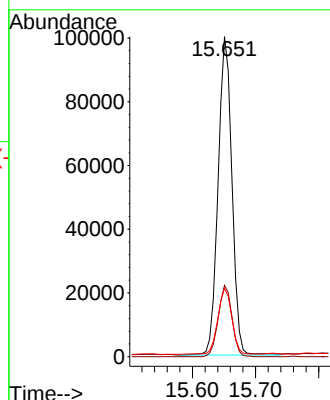
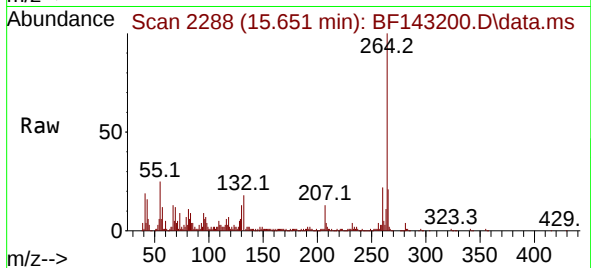
Tgt Ion:	264	Resp:	152378
Ion Ratio	Lower	Upper	
264	100		
260	22.3	18.5	27.7
265	21.4	17.4	26.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 34.985 ng

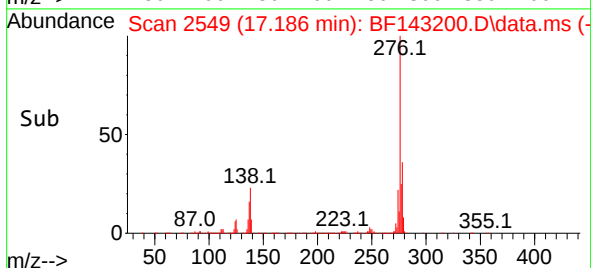
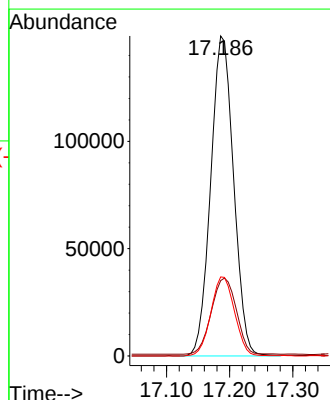
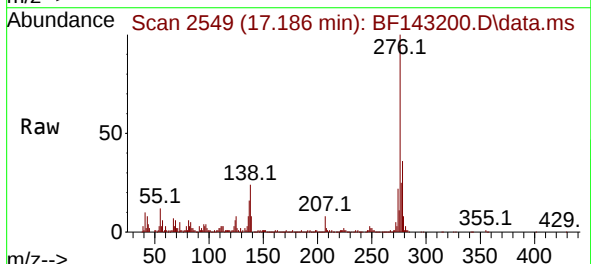
RT: 17.186 min Scan# 2549

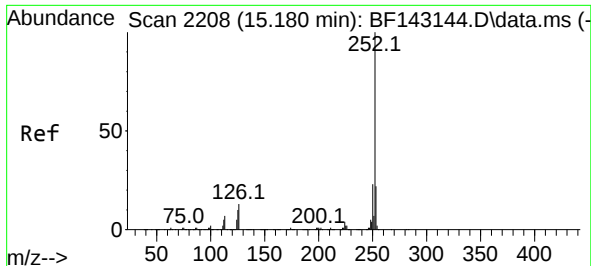
Delta R.T. 0.024 min

Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

Tgt Ion:	276	Resp:	375905
Ion Ratio	Lower	Upper	
276	100		
138	25.9	21.8	32.6
277	25.5	20.0	30.0





#88
Benzo(b)fluoranthene
Concen: 53.620 ng
RT: 15.210 min Scan# 2118
Delta R.T. 0.029 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Instrument :

BNF_F

ClientSampleId :

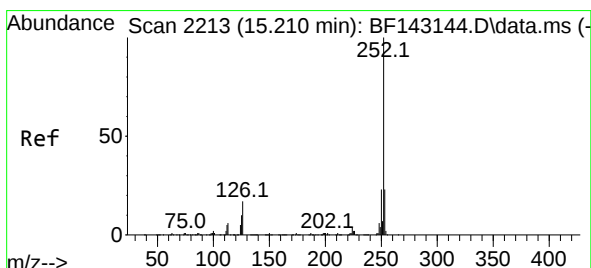
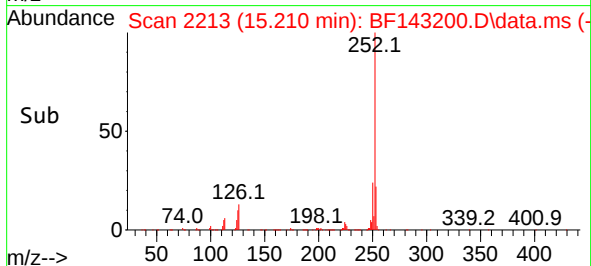
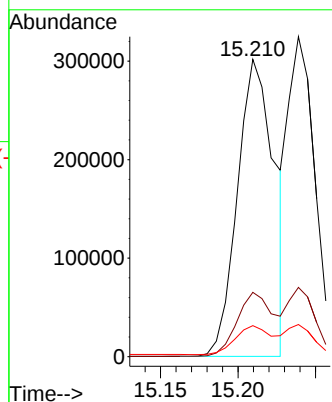
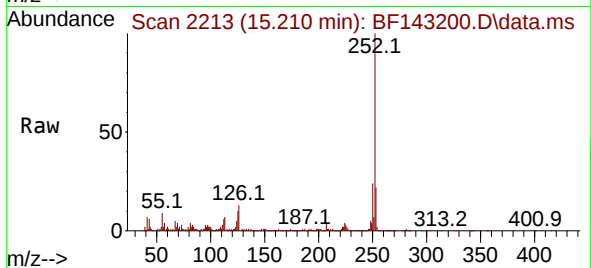
FRAC TANKMSD

Tgt Ion:252 Resp: 49914
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 10.4 8.0 12.0

Manual Integrations

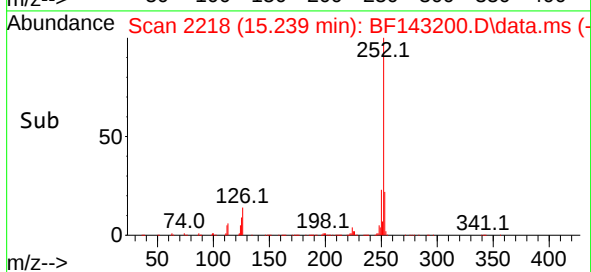
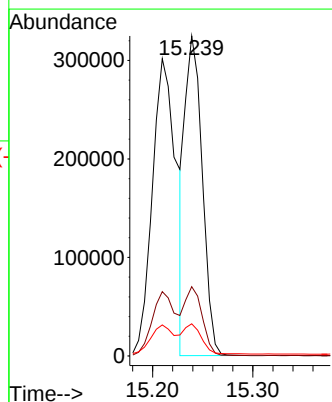
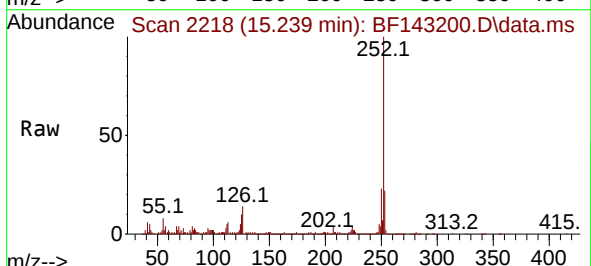
APPROVED

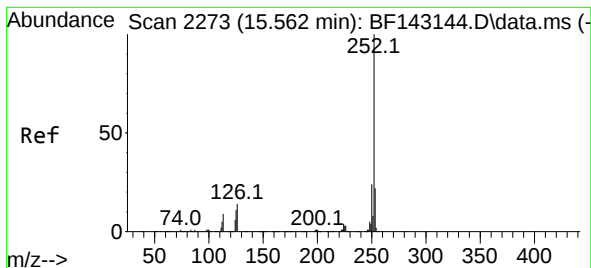
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#89
Benzo(k)fluoranthene
Concen: 46.729 ng
RT: 15.239 min Scan# 2218
Delta R.T. 0.029 min
Lab File: BF143200.D
Acq: 22 Jul 2025 20:49

Tgt Ion:252 Resp: 388170
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 10.0 8.1 12.1





#90

Benzo(a)pyrene

Concen: 41.751 ng

RT: 15.586 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

FRAC TANKMSD

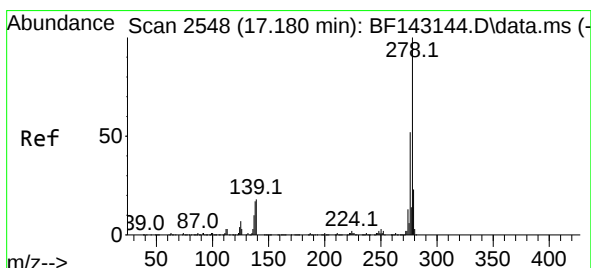
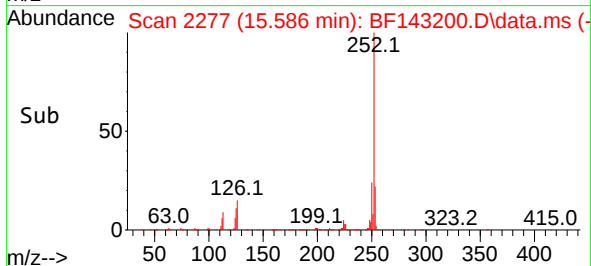
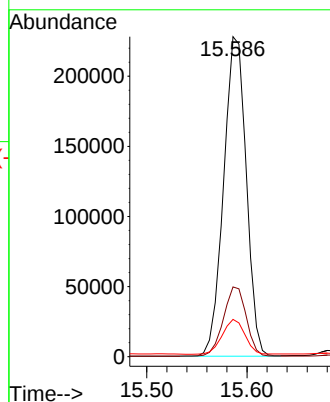
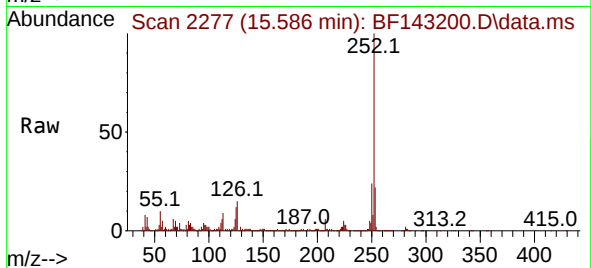
Tgt Ion:	252	Resp:	35808
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.3	25.9
125	11.6	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#91

Dibenzo(a,h)anthracene

Concen: 35.236 ng

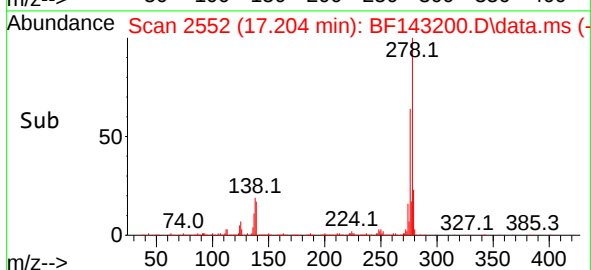
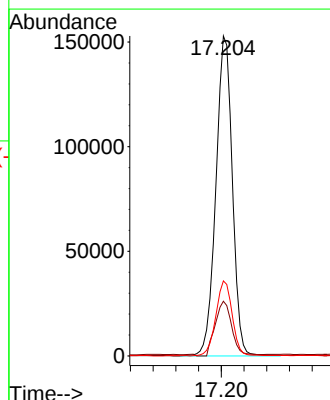
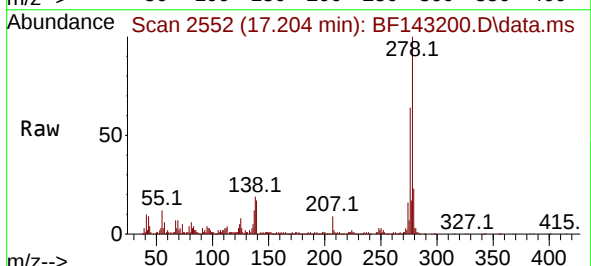
RT: 17.204 min Scan# 2552

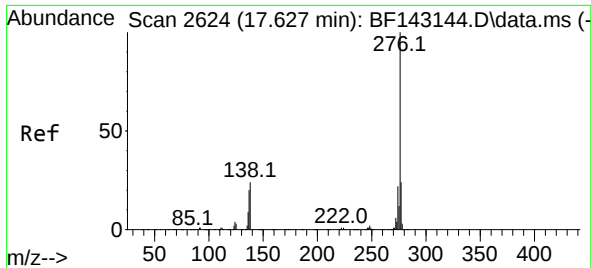
Delta R.T. 0.024 min

Lab File: BF143200.D

Acq: 22 Jul 2025 20:49

Tgt Ion:	278	Resp:	308156
Ion Ratio	Lower	Upper	
278	100		
139	17.1	14.1	21.1
279	23.5	18.6	28.0





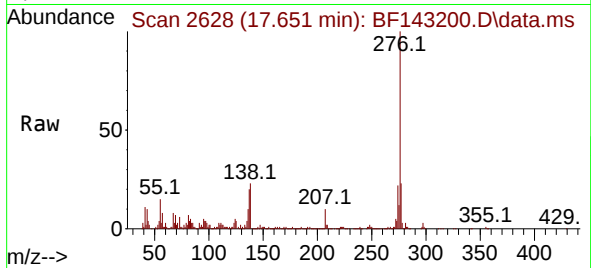
#92
 Benzo(g,h,i)perylene
 Concen: 36.245 ng
 RT: 17.651 min Scan# 20
 Delta R.T. 0.024 min
 Lab File: BF143200.D
 Acq: 22 Jul 2025 20:49

Instrument :

BNA_F

ClientSampleId :

FRAC TANKMSD



Tgt Ion:276 Resp: 306624
 Ion Ratio Lower Upper
 276 100
 277 23.4 19.1 28.7
 138 23.3 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025

