

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081425\
 Data File : BF143401.D
 Acq On : 15 Aug 2025 04:53
 Operator : RC/JU
 Sample : PB169230BS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169230BS

Quant Time: Aug 15 05:20:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.934	152	165869	20.000	ng	0.00
21) Naphthalene-d8	8.216	136	632912	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	337867	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	501977	20.000	ng	0.00
76) Chrysene-d12	14.098	240	296288	20.000	ng	0.00
86) Perylene-d12	15.592	264	378334	20.000	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1034522	107.853	ng	0.02
7) Phenol-d6	6.569	99	1305027	106.096	ng	0.00
23) Nitrobenzene-d5	7.493	82	865300	85.139	ng	0.00
42) 2,4,6-Tribromophenol	10.763	330	349234	141.436	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1531375	76.860	ng	0.00
79) Terphenyl-d14	13.039	244	1342015	80.866	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	2.840	88	224131	45.156	ng	98
3) Pyridine	3.599	79	447558	33.838	ng	98
4) n-Nitrosodimethylamine	3.540	42	243241	39.480	ng	99
6) Aniline	6.598	93	563228	32.479	ng	96
8) 2-Chlorophenol	6.722	128	423287	41.299	ng	97
9) Benzaldehyde	6.487	77	237504	29.214	ng	97
10) Phenol	6.587	94	543015	37.265	ng	81
11) bis(2-Chloroethyl)ether	6.663	93	411471	38.314	ng	100
12) 1,3-Dichlorobenzene	6.875	146	466067	39.424	ng	99
13) 1,4-Dichlorobenzene	6.951	146	473214	39.883	ng	100
14) 1,2-Dichlorobenzene	7.104	146	453017	40.222	ng	99
15) Benzyl Alcohol	7.075	79	373136	42.319	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.204	45	704591	36.749	ng	97
17) 2-Methylphenol	7.187	107	348706	40.306	ng	99
18) Hexachloroethane	7.445	117	156811	42.155	ng	96
19) n-Nitroso-di-n-propyla...	7.345	70	291206	38.314	ng	99
20) 3+4-Methylphenols	7.340	107	404383	38.649	ng	99
22) Acetophenone	7.340	105	550204	39.455	ng	98
24) Nitrobenzene	7.510	77	454857	41.209	ng	98
25) Isophorone	7.751	82	836434	40.314	ng	100
26) 2-Nitrophenol	7.828	139	224111	50.463	ng	98
27) 2,4-Dimethylphenol	7.869	122	388489	44.881	ng	99
28) bis(2-Chloroethoxy)met...	7.957	93	511095	40.346	ng	99
29) 2,4-Dichlorophenol	8.075	162	359507	42.523	ng	99
30) 1,2,4-Trichlorobenzene	8.157	180	384481	43.113	ng	99
31) Naphthalene	8.240	128	1190968	39.106	ng	100
32) Benzoic acid	7.992	122	193229	50.507	ng	96
33) 4-Chloroaniline	8.281	127	305352	27.798	ng	100
34) Hexachlorobutadiene	8.357	225	232817	41.967	ng	100
35) Caprolactam	8.645	113	71259	29.982	ng	98
36) 4-Chloro-3-methylphenol	8.769	107	372088	41.982	ng	99
37) 2-Methylnaphthalene	8.928	142	722751	36.099	ng	99
38) 1-Methylnaphthalene	9.028	142	754121	39.108	ng	99
40) 1,2,4,5-Tetrachloroben...	9.098	216	371936	40.229	ng	99
41) Hexachlorocyclopentadiene	9.087	237	371920	111.221	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	239087	45.577	ng	99

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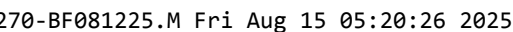
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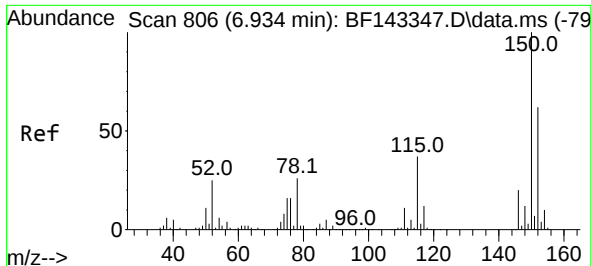
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 12 13:25:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.251	196	256237	43.255	ng	97
46) 1,1'-Biphenyl	9.392	154	965257	40.406	ng	99
47) 2-Chloronaphthalene	9.416	162	746864	39.696	ng	99
48) 2-Nitroaniline	9.510	65	237744	44.055	ng	97
49) Acenaphthylene	9.834	152	1209614	44.520	ng	100
50) Dimethylphthalate	9.686	163	869067	44.021	ng	100
51) 2,6-Dinitrotoluene	9.751	165	192420	51.291	ng	90
52) Acenaphthene	10.004	154	756860	41.901	ng	98
53) 3-Nitroaniline	9.922	138	145920	36.092	ng	94
54) 2,4-Dinitrophenol	10.028	184	142048	86.300	ng	# 84
55) Dibenzofuran	10.175	168	1038293	39.939	ng	99
56) 4-Nitrophenol	10.086	139	242747	75.460	ng	97
57) 2,4-Dinitrotoluene	10.157	165	253357	50.912	ng	89
58) Fluorene	10.522	166	787552	39.661	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.298	232	222148	55.631	ng	95
60) Diethylphthalate	10.386	149	797456	45.096	ng	99
61) 4-Chlorophenyl-phenyle...	10.510	204	394246	41.090	ng	100
62) 4-Nitroaniline	10.533	138	180840	46.231	ng	98
63) Azobenzene	10.669	77	803186	39.765	ng	98
65) 4,6-Dinitro-2-methylph...	10.569	198	115872	55.685	ng	88
66) n-Nitrosodiphenylamine	10.628	169	690947	41.802	ng	99
67) 4-Bromophenyl-phenylether	10.998	248	250851	43.695	ng	98
68) Hexachlorobenzene	11.075	284	264795	42.790	ng	97
69) Atrazine	11.151	200	212160	49.212	ng	98
70) Pentachlorophenol	11.269	266	239189	79.042	ng	97
71) Phenanthrene	11.480	178	1089484	39.780	ng	99
72) Anthracene	11.533	178	1111739	40.026	ng	100
73) Carbazole	11.686	167	938187	39.662	ng	99
74) Di-n-butylphthalate	12.010	149	1044778	52.195	ng	100
75) Fluoranthene	12.669	202	978774	40.798	ng	99
77) Benzidine	12.786	184	447958	55.302	ng	98
78) Pyrene	12.898	202	967249	38.915	ng	100
80) Butylbenzylphthalate	13.510	149	318826	63.729	ng	96
81) Benzo(a)anthracene	14.086	228	783827	41.622	ng	99
82) 3,3'-Dichlorobenzidine	14.045	252	173191	34.059	ng	100
83) Chrysene	14.127	228	748660	42.635	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	425996	58.053	ng	99
85) Di-n-octyl phthalate	14.680	149	787937	53.926	ng	95
87) Indeno(1,2,3-cd)pyrene	17.121	276	1137613	41.970	ng	99
88) Benzo(b)fluoranthene	15.151	252	907050	43.833	ng	100
89) Benzo(k)fluoranthene	15.180	252	804311	40.001	ng	99
90) Benzo(a)pyrene	15.533	252	853001	43.767	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	916656	42.332	ng	98
92) Benzo(g,h,i)perylene	17.586	276	931363	42.696	ng	99

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

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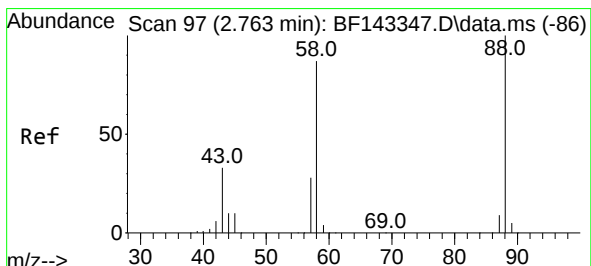
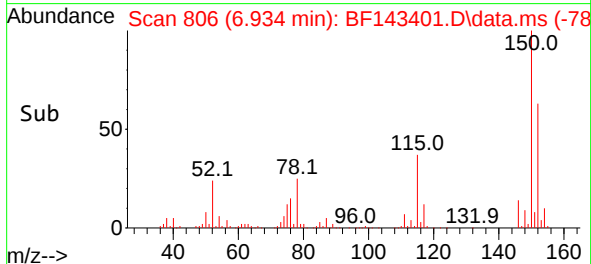
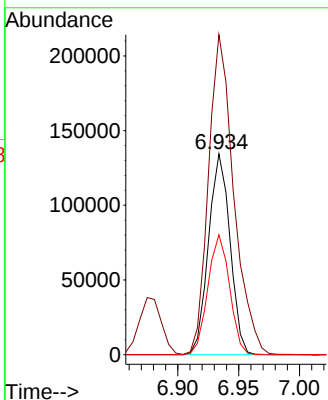
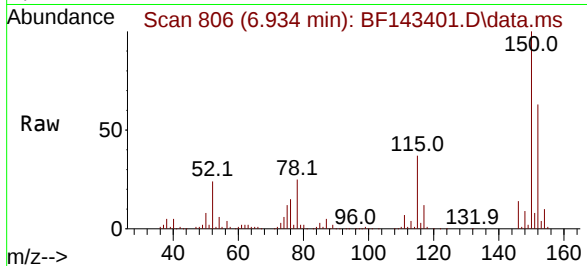




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.934 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

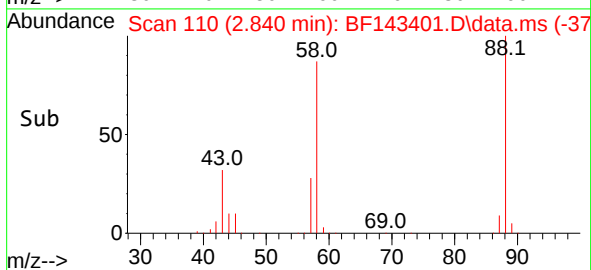
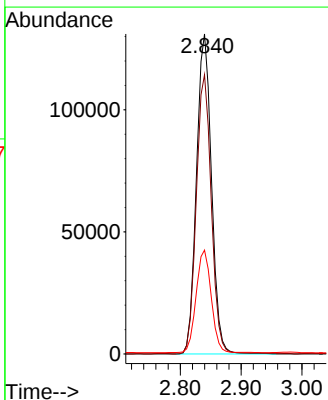
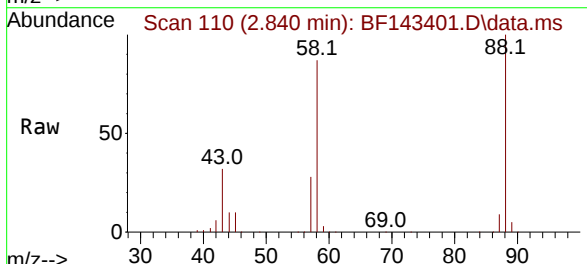
Instrument :
BNA_F
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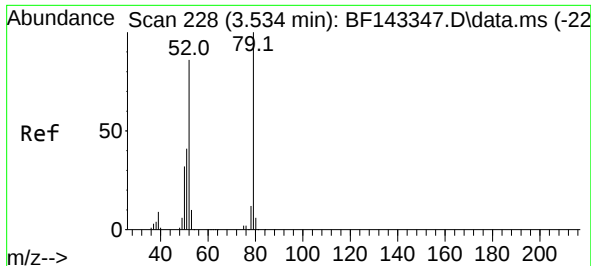
Tgt Ion:152 Resp: 165869
Ion Ratio Lower Upper
152 100
150 159.4 129.8 194.8
115 59.7 47.8 71.8



#2
1,4-Dioxane
Concen: 45.156 ng
RT: 2.840 min Scan# 110
Delta R.T. 0.077 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion: 88 Resp: 224131
Ion Ratio Lower Upper
88 100
58 87.7 71.0 106.6
43 32.3 27.0 40.6

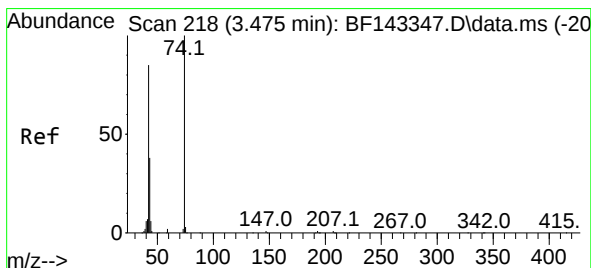
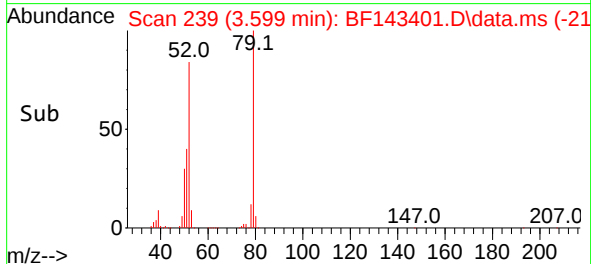
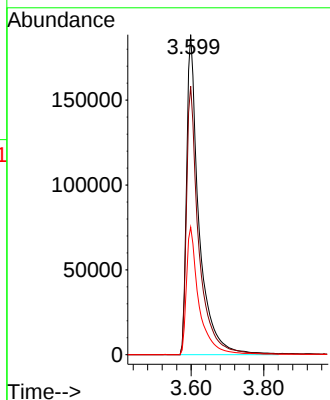
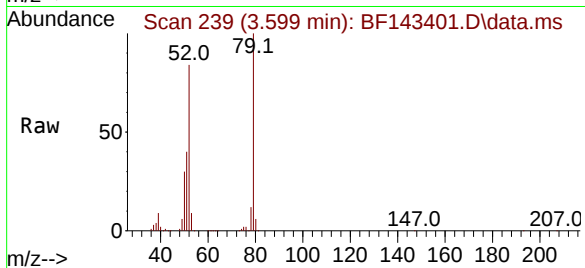




#3
Pyridine
Concen: 33.838 ng
RT: 3.599 min Scan# 21
Delta R.T. 0.065 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

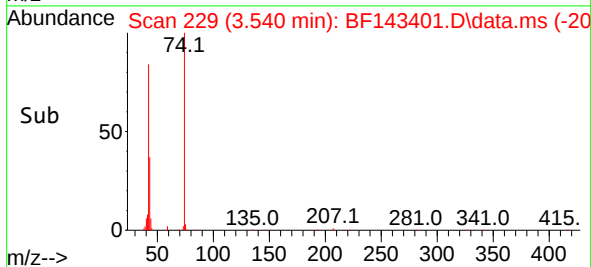
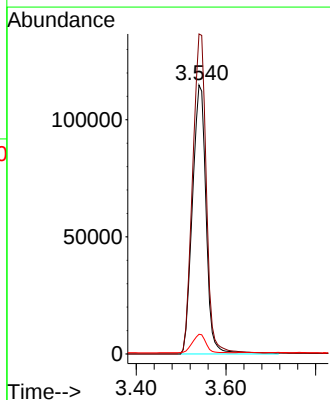
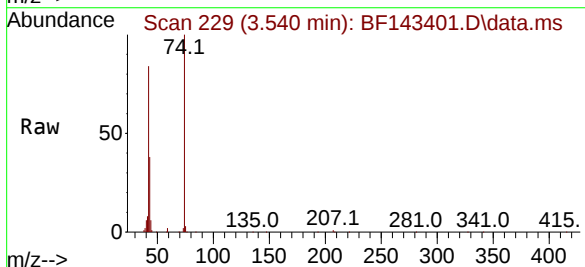
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ClientSampleId :
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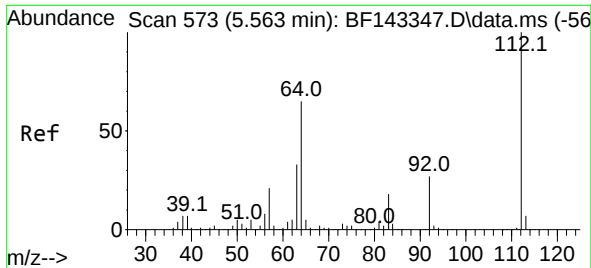
Tgt Ion: 79 Resp: 447558
Ion Ratio Lower Upper
79 100
52 83.9 68.7 103.1
51 39.9 33.4 50.0



#4
n-Nitrosodimethylamine
Concen: 39.480 ng
RT: 3.540 min Scan# 229
Delta R.T. 0.065 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion: 42 Resp: 243241
Ion Ratio Lower Upper
42 100
74 118.9 94.1 141.1
44 7.3 6.5 9.7

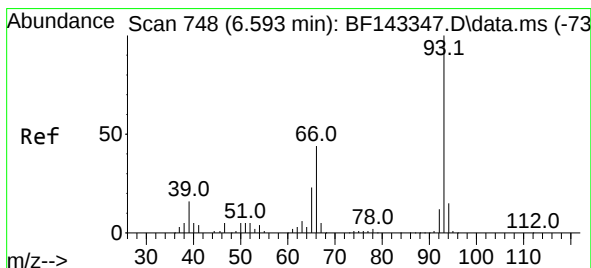
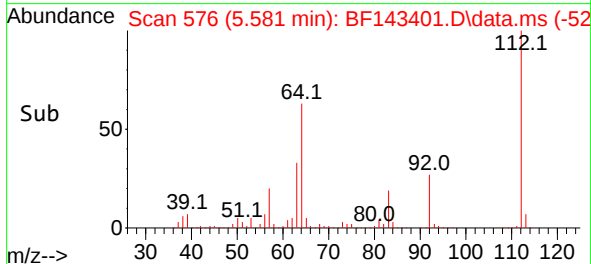
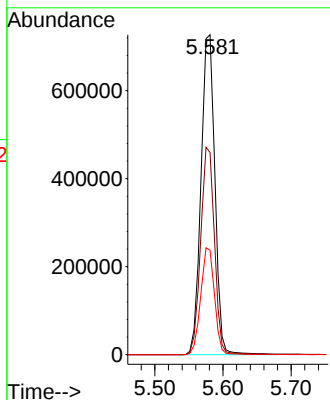
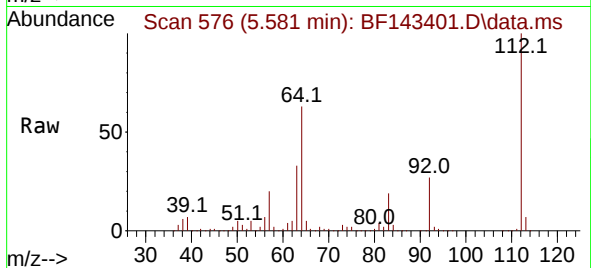




#5
2-Fluorophenol
Concen: 107.853 ng
RT: 5.581 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

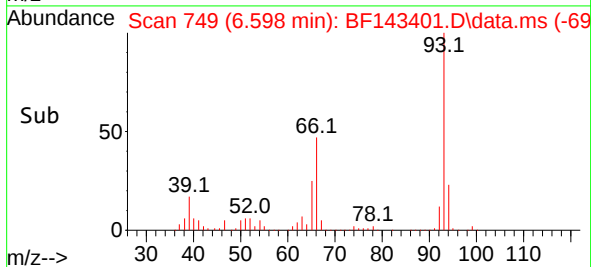
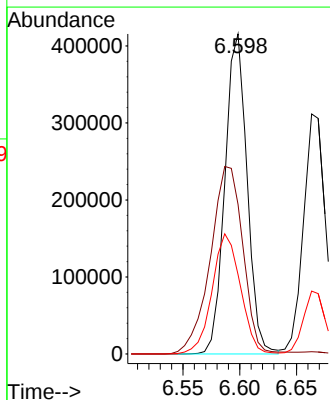
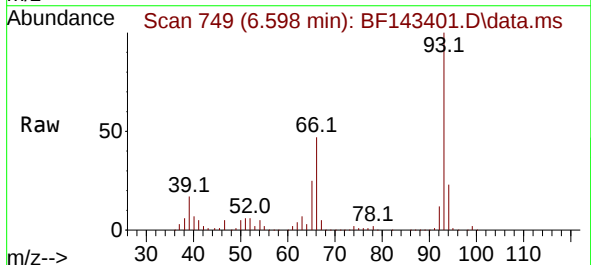
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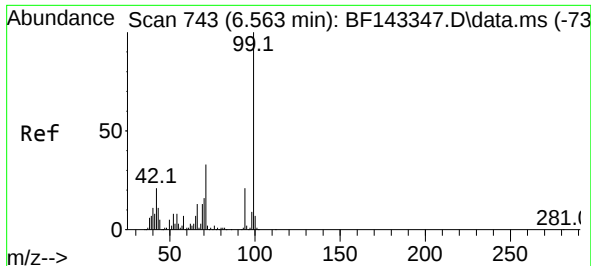
Tgt Ion:112 Resp: 1034522
Ion Ratio Lower Upper
112 100
64 63.1 52.1 78.1
63 32.6 26.6 39.8



#6
Aniline
Concen: 32.479 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion: 93 Resp: 563228
Ion Ratio Lower Upper
93 100
66 46.8 35.3 52.9
65 24.8 18.2 27.4

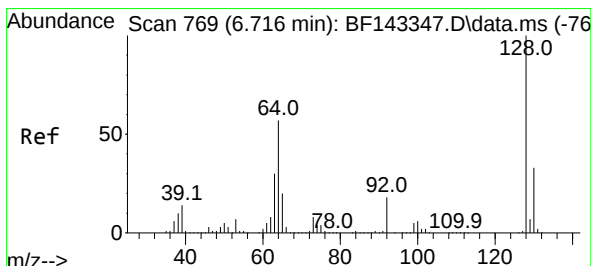
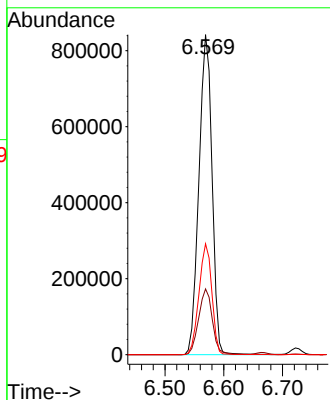
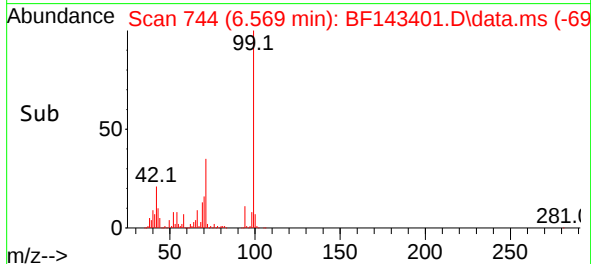
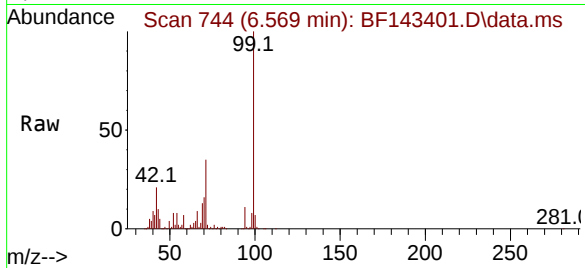




#7
Phenol-d6
Concen: 106.096 ng
RT: 6.569 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

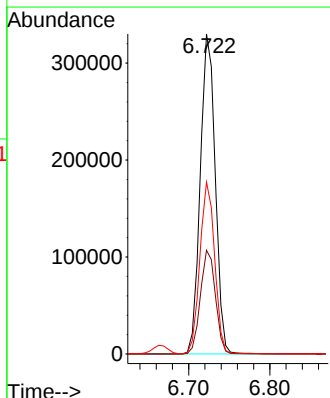
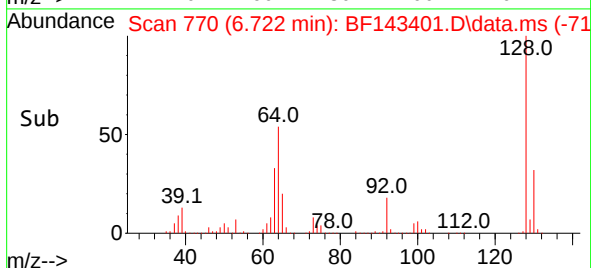
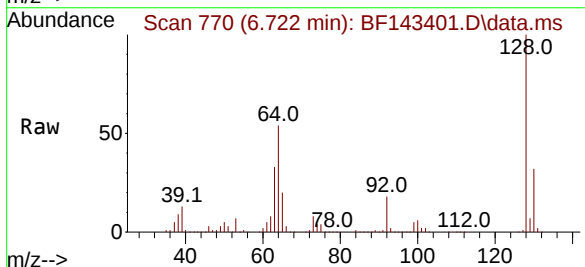
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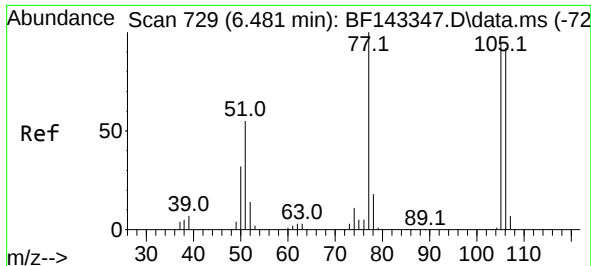
Tgt Ion: 99 Resp: 1305027
Ion Ratio Lower Upper
99 100
42 20.6 16.6 25.0
71 34.7 26.2 39.2



#8
2-Chlorophenol
Concen: 41.299 ng
RT: 6.722 min Scan# 770
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion: 128 Resp: 423287
Ion Ratio Lower Upper
128 100
130 32.4 12.6 52.6
64 53.7 36.7 76.7





#9

Benzaldehyde

Concen: 29.214 ng

RT: 6.487 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

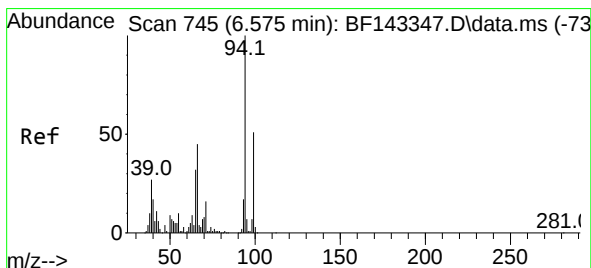
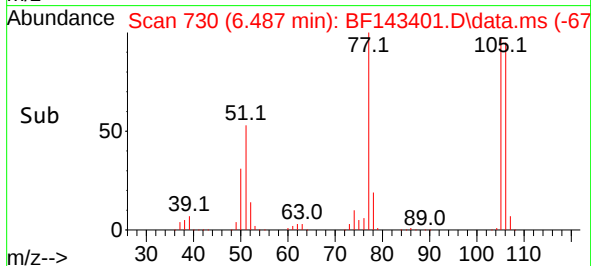
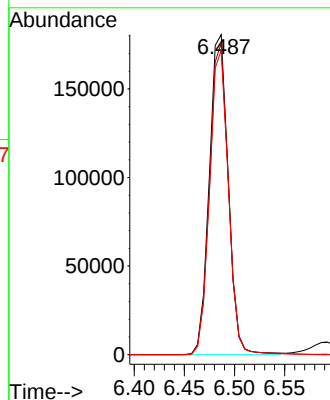
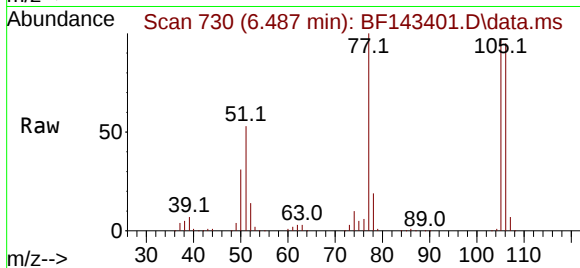
Tgt Ion: 77 Resp: 237504

Ion Ratio Lower Upper

77 100

105 97.3 74.2 114.2

106 95.1 72.2 112.2



#10

Phenol

Concen: 37.265 ng

RT: 6.587 min Scan# 747

Delta R.T. 0.012 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

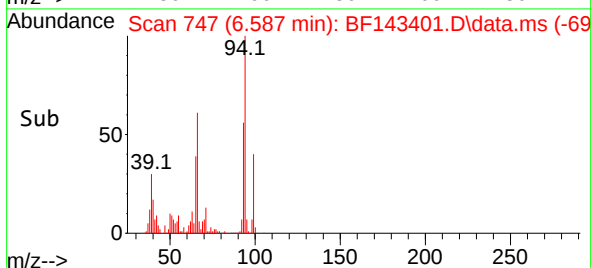
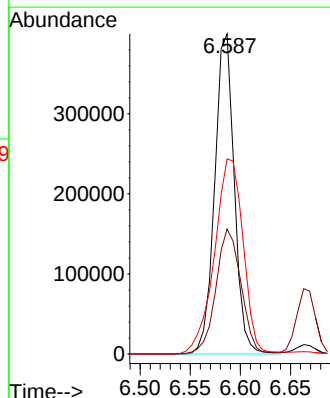
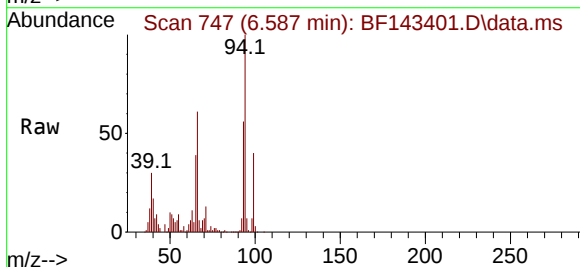
Tgt Ion: 94 Resp: 543015

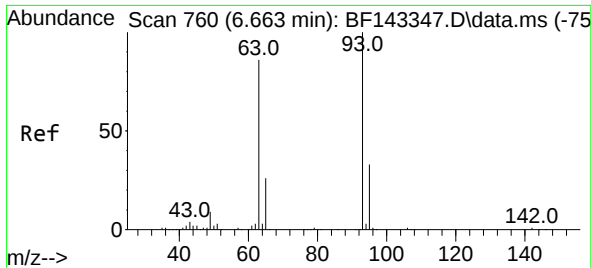
Ion Ratio Lower Upper

94 100

65 39.1 12.0 52.0

66 61.0 25.6 65.6

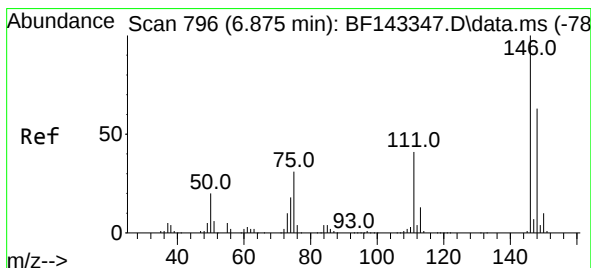
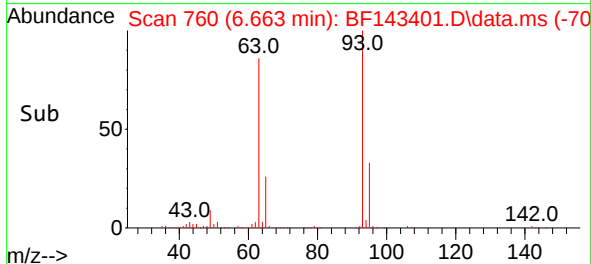
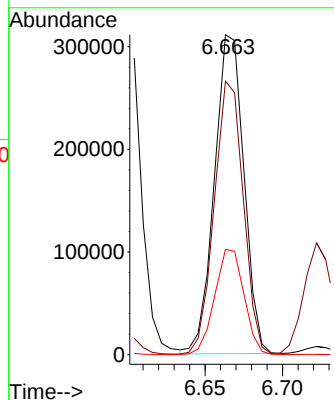
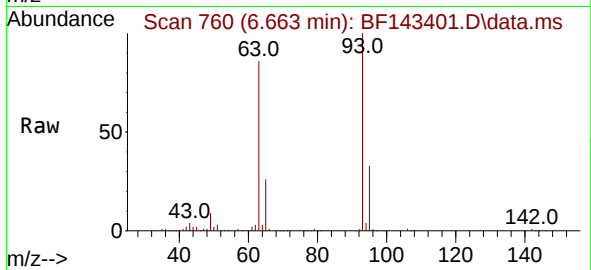




#11
bis(2-Chloroethyl)ether
Concen: 38.314 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

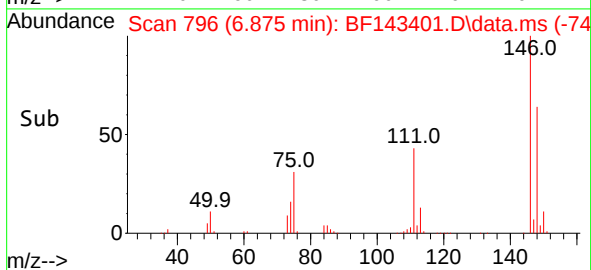
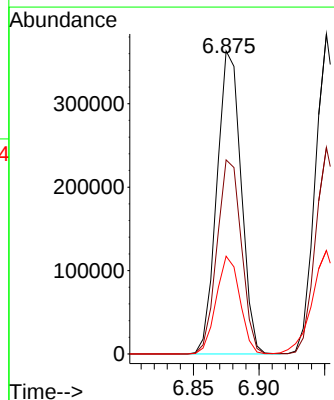
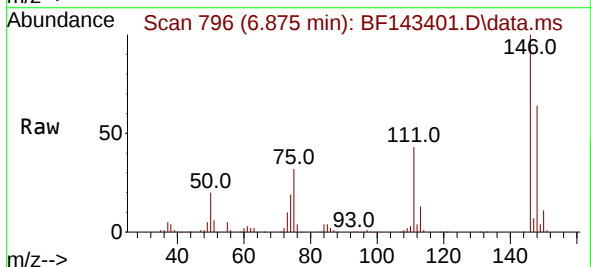
Instrument :
BNA_F
ClientSampleId :
PB169230BS

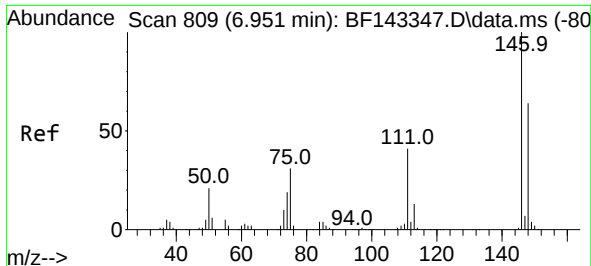
Tgt Ion: 93 Resp: 411471
Ion Ratio Lower Upper
93 100
63 85.5 65.7 105.7
95 32.9 13.0 53.0



#12
1,3-Dichlorobenzene
Concen: 39.424 ng
RT: 6.875 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

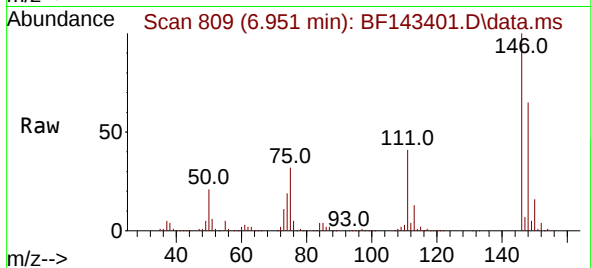
Tgt Ion: 146 Resp: 466067
Ion Ratio Lower Upper
146 100
148 64.0 50.5 75.7
75 32.2 24.9 37.3



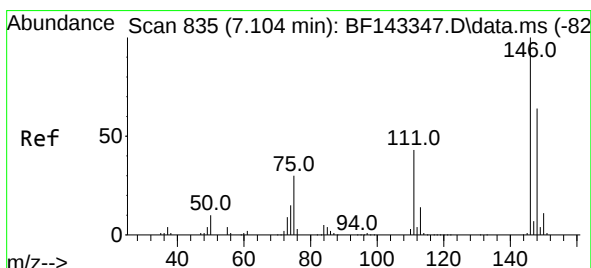
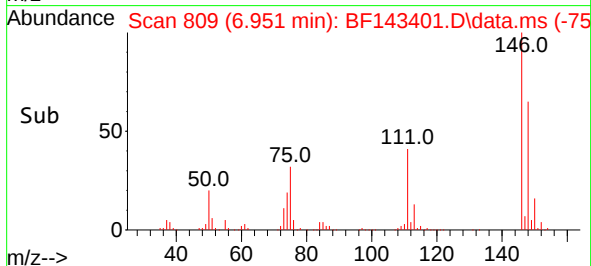
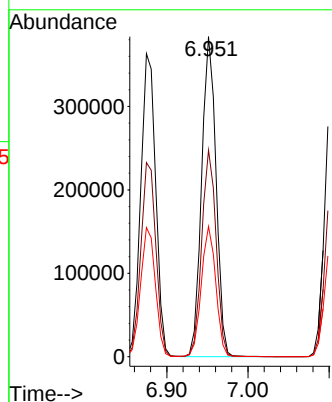


#13
1,4-Dichlorobenzene
Concen: 39.883 ng
RT: 6.951 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Instrument :
BNA_F
ClientSampleId :
PB169230BS

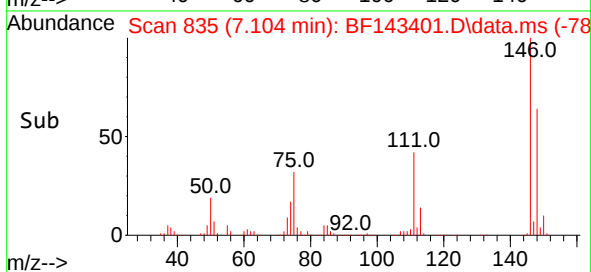
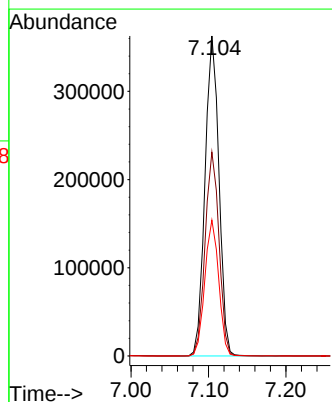
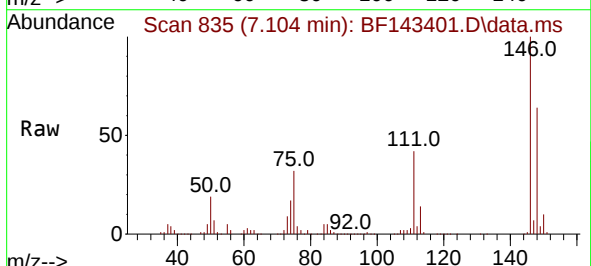


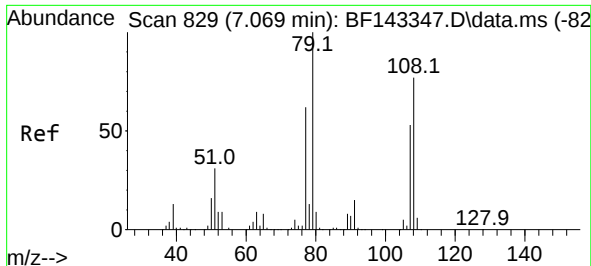
Tgt Ion:146 Resp: 473214
Ion Ratio Lower Upper
146 100
148 64.6 51.4 77.0
111 40.7 32.6 48.8



#14
1,2-Dichlorobenzene
Concen: 40.222 ng
RT: 7.104 min Scan# 835
Delta R.T. 0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:146 Resp: 453017
Ion Ratio Lower Upper
146 100
148 63.7 51.4 77.2
111 42.5 34.1 51.1

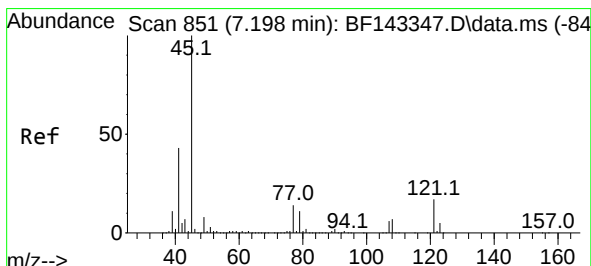
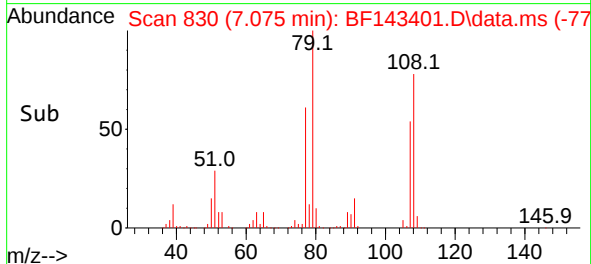
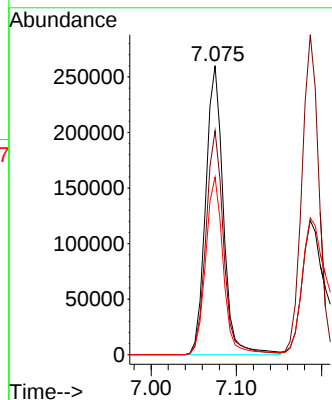
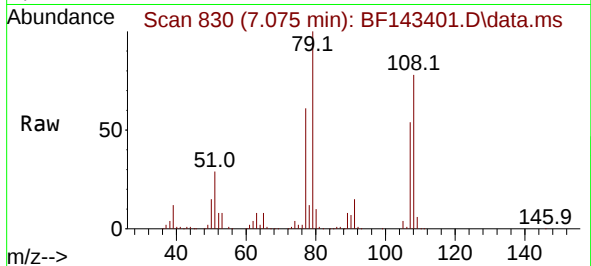




#15
Benzyl Alcohol
Concen: 42.319 ng
RT: 7.075 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

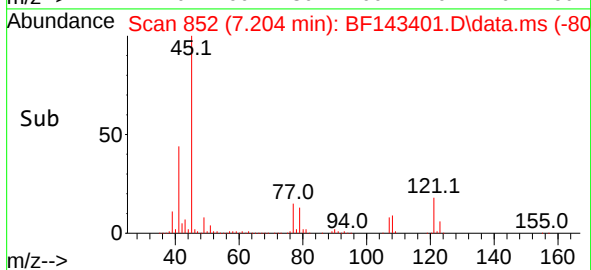
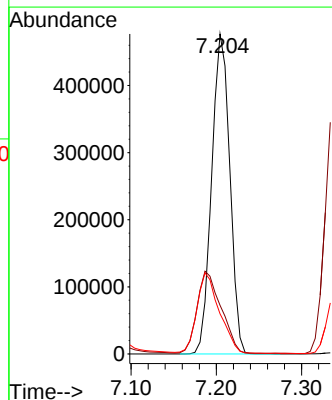
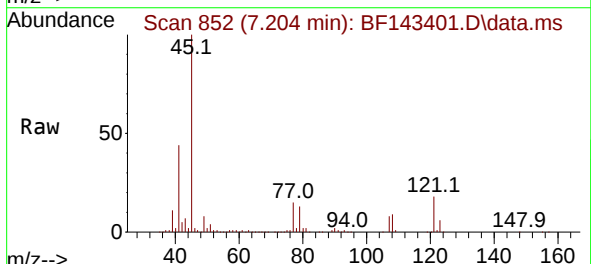
Instrument :
BNA_F
ClientSampleId :
PB169230BS

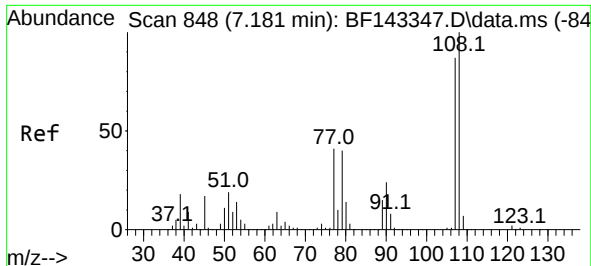
Tgt Ion: 79 Resp: 373136
Ion Ratio Lower Upper
79 100
108 77.5 61.5 92.3
77 61.5 49.8 74.8



#16
2,2'-oxybis(1-chloropropane)
Concen: 36.749 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion: 45 Resp: 704591
Ion Ratio Lower Upper
45 100
77 15.2 0.0 34.0
79 12.5 0.0 31.1

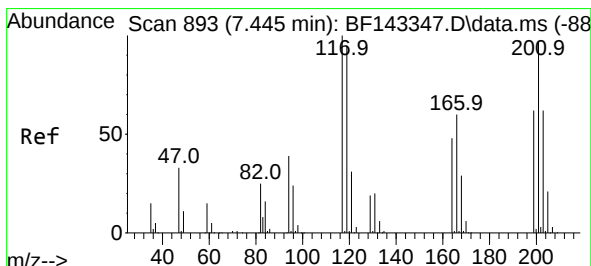
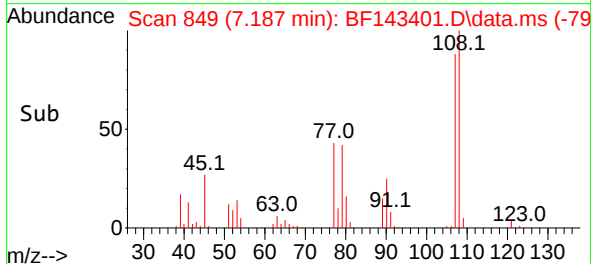
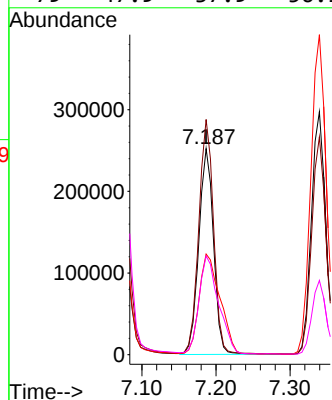
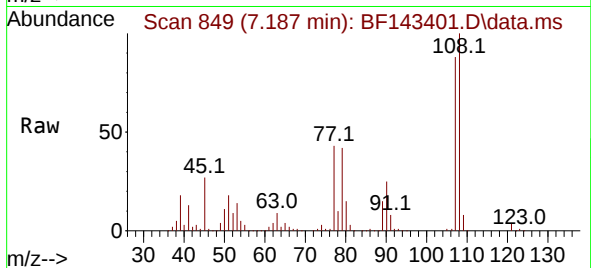




#17
2-Methylphenol
Concen: 40.306 ng
RT: 7.187 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

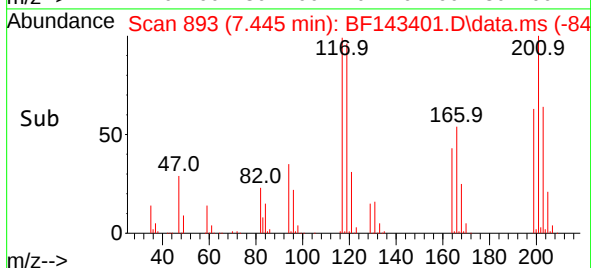
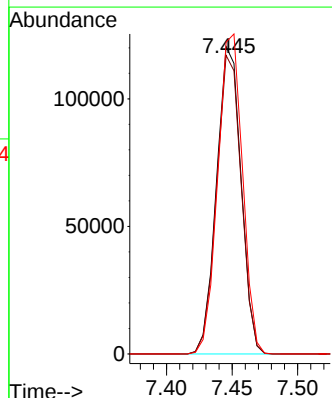
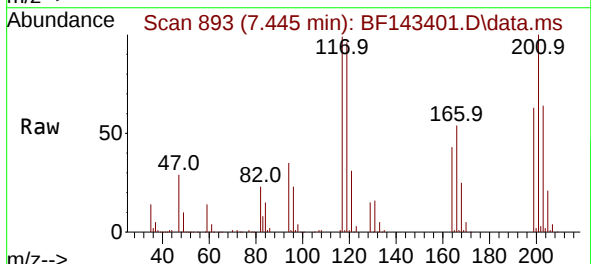
Instrument :
BNA_F
ClientSampleId :
PB169230BS

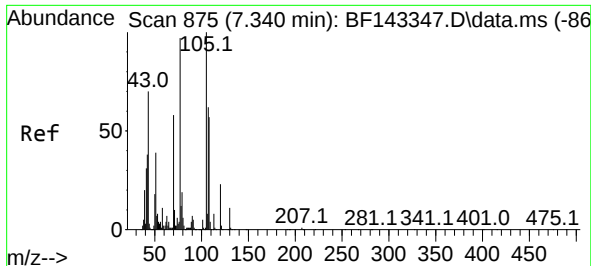
Tgt Ion:	107	Resp:	348706
Ion	Ratio	Lower	Upper
107	100		
108	114.1	92.0	138.0
77	48.8	38.2	57.2
79	47.9	37.9	56.9



#18
Hexachloroethane
Concen: 42.155 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:	117	Resp:	156811
Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.8	113.8
201	101.4	77.2	115.8

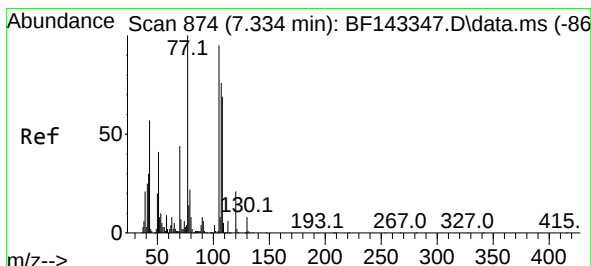
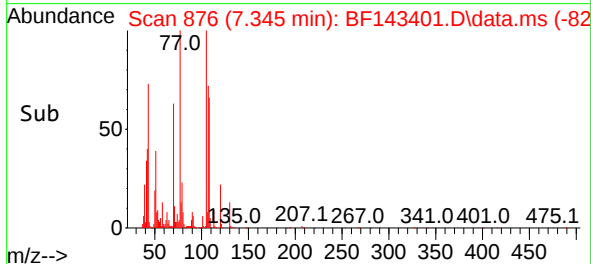
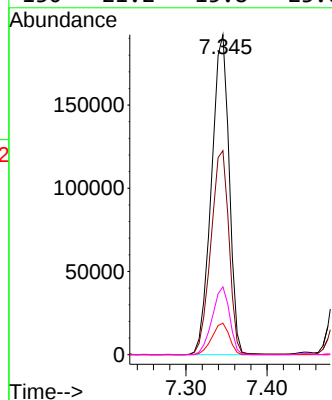
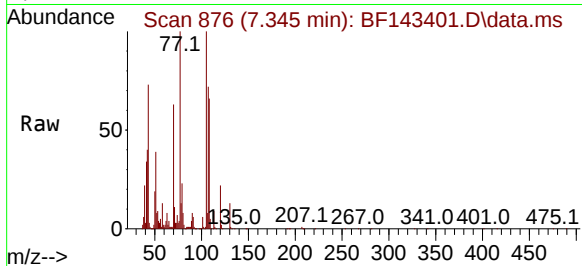




#19
n-Nitroso-di-n-propylamine
Concen: 38.314 ng
RT: 7.345 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

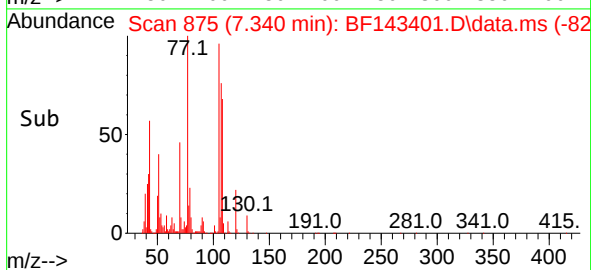
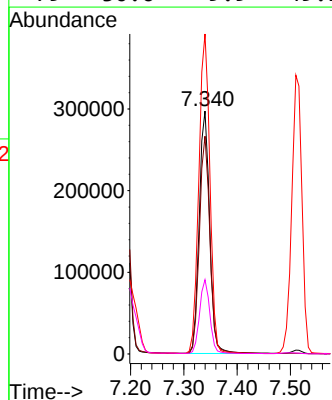
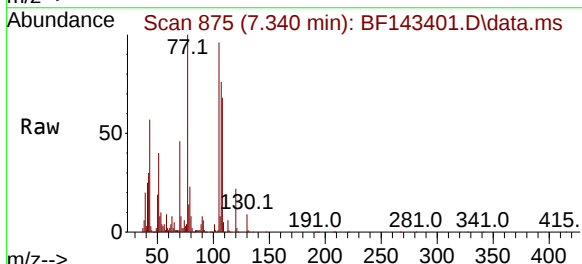
Instrument :
BNA_F
ClientSampleId :
PB169230BS

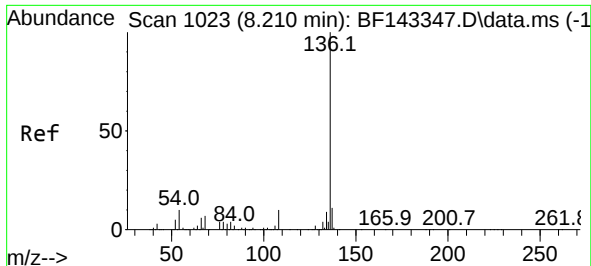
Tgt Ion: 70 Resp: 291206
Ion Ratio Lower Upper
70 100
42 63.7 51.6 77.4
101 9.8 7.5 11.3
130 21.2 15.8 23.6



#20
3+4-Methylphenols
Concen: 38.649 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion: 107 Resp: 404383
Ion Ratio Lower Upper
107 100
108 89.7 70.6 110.6
77 131.8 112.0 152.0
79 30.6 9.9 49.9



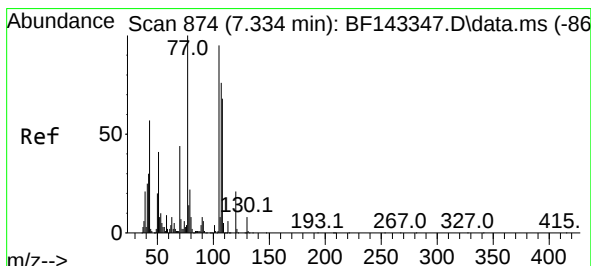
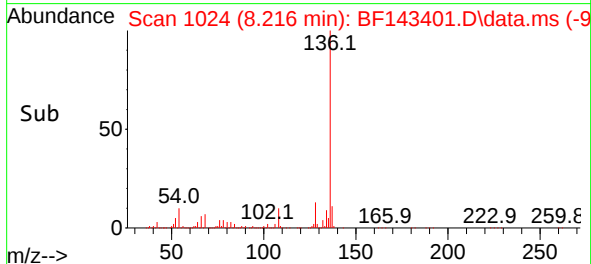
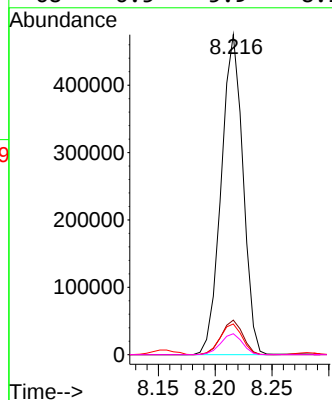
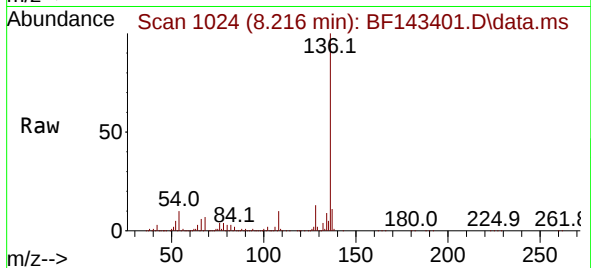


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Instrument :
BNA_F
ClientSampleId :
PB169230BS

Tgt Ion:136 Resp: 632912

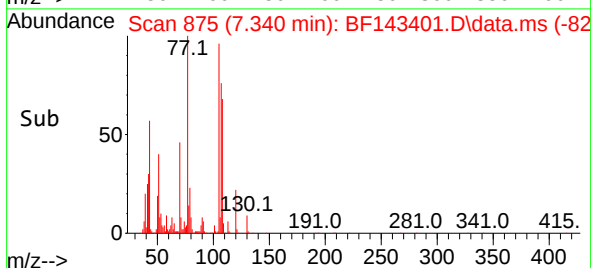
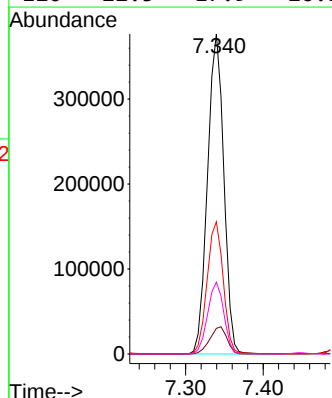
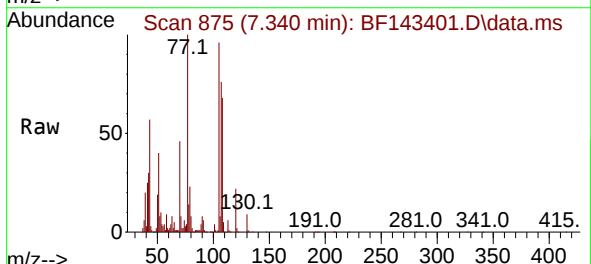
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	9.6	8.4	12.6
68	6.5	5.9	8.9

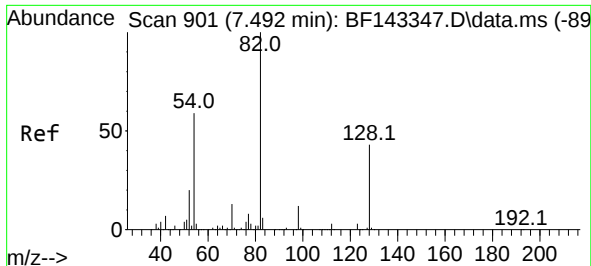


#22
Acetophenone
Concen: 39.455 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:105 Resp: 550204

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.2	9.4
51	41.3	34.8	52.2
120	22.5	17.9	26.9





#23

Nitrobenzene-d5

Concen: 85.139 ng

RT: 7.493 min Scan# 901

Delta R.T. 0.000 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

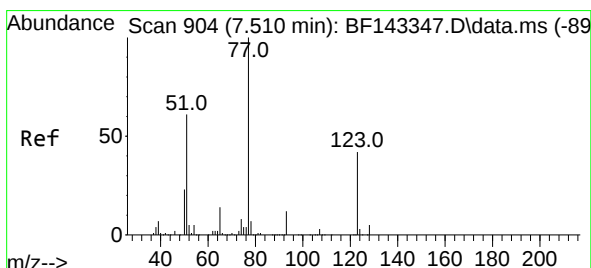
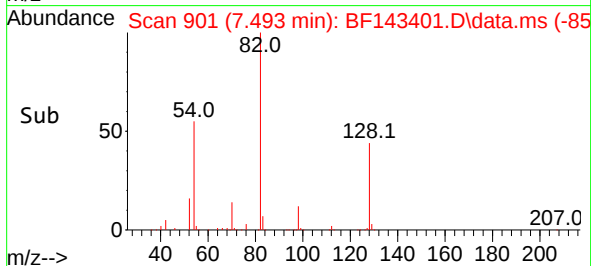
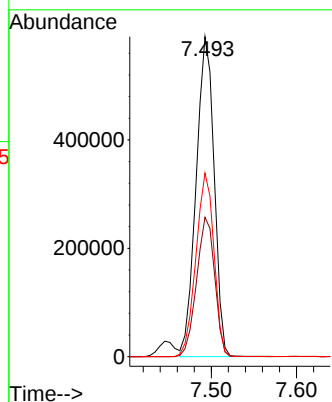
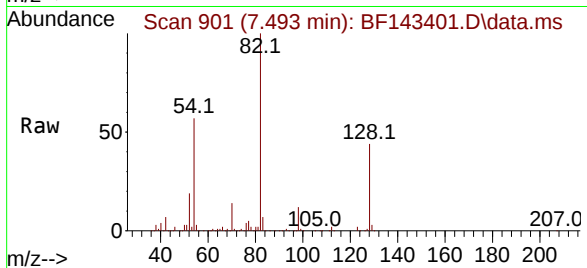
Tgt Ion: 82 Resp: 865300

Ion Ratio Lower Upper

82 100

128 43.5 33.5 50.3

54 57.3 46.7 70.1



#24

Nitrobenzene

Concen: 41.209 ng

RT: 7.510 min Scan# 904

Delta R.T. 0.000 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

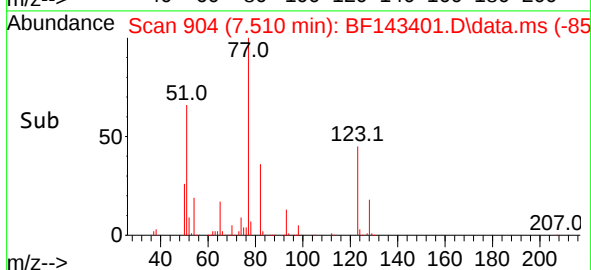
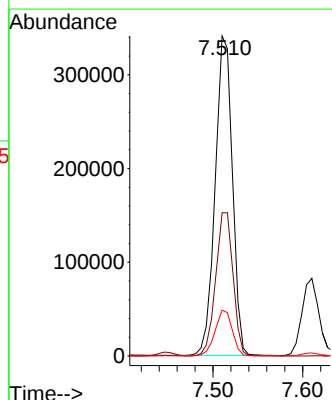
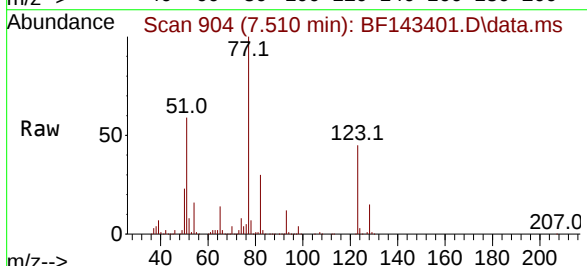
Tgt Ion: 77 Resp: 454857

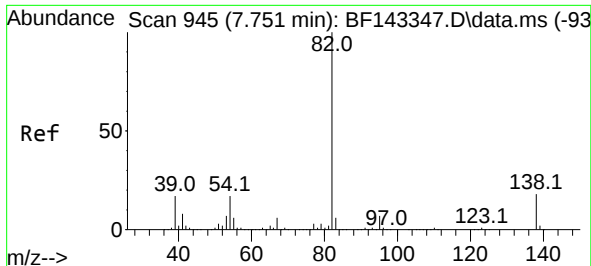
Ion Ratio Lower Upper

77 100

123 44.8 34.8 52.2

65 14.3 11.0 16.6

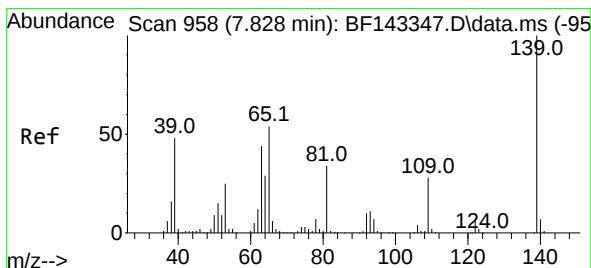
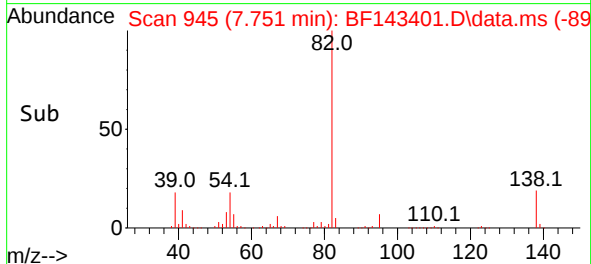
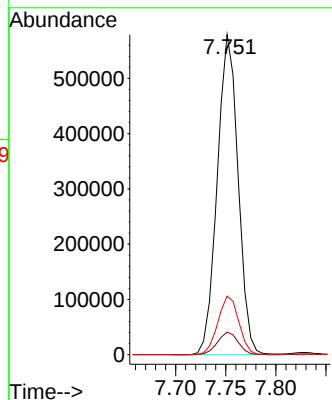
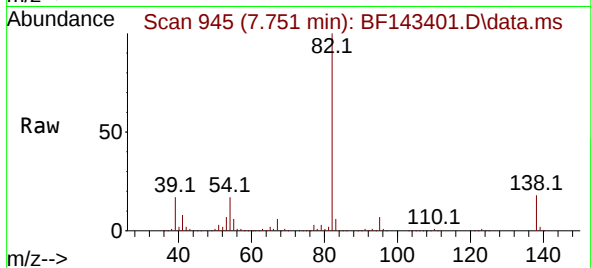




#25
Isophorone
Concen: 40.314 ng
RT: 7.751 min Scan# 945
Delta R.T. 0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

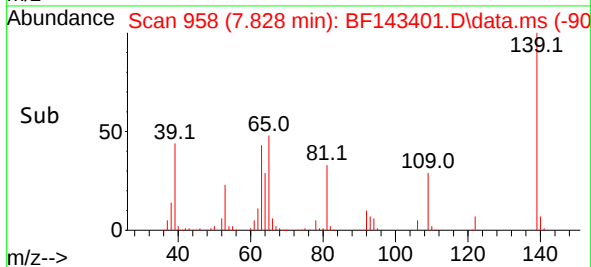
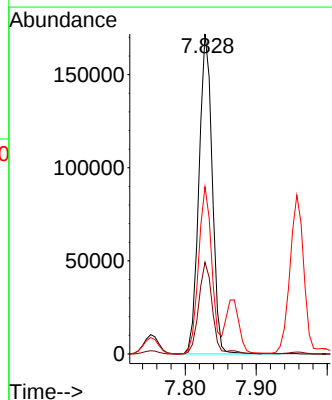
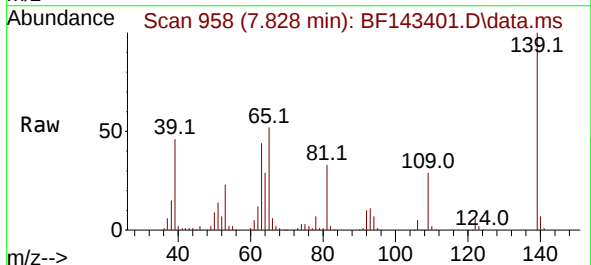
Instrument :
BNA_F
ClientSampleId :
PB169230BS

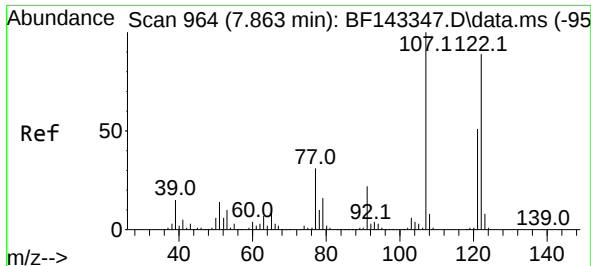
Tgt Ion: 82 Resp: 836434
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 18.3 14.6 21.8



#26
2-Nitrophenol
Concen: 50.463 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:139 Resp: 224111
Ion Ratio Lower Upper
139 100
109 28.6 22.4 33.6
65 52.2 42.9 64.3





#27

2,4-Dimethylphenol

Concen: 44.881 ng

RT: 7.869 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

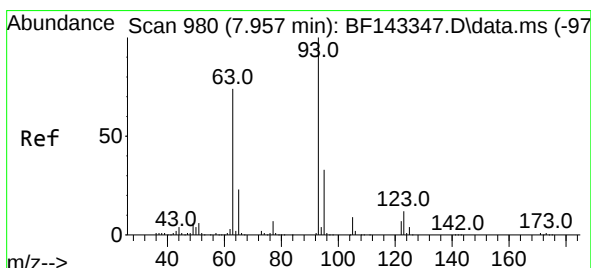
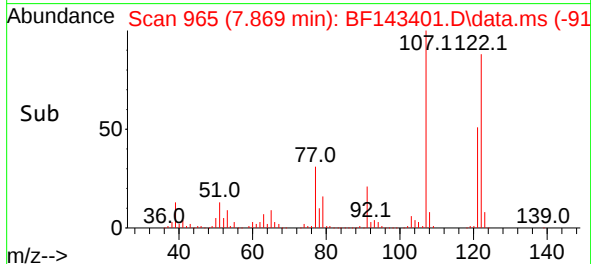
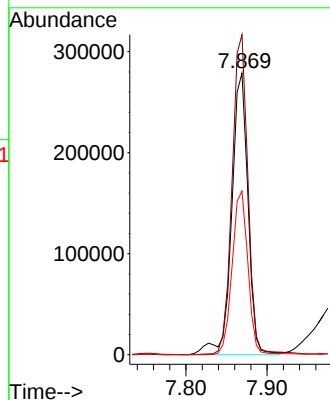
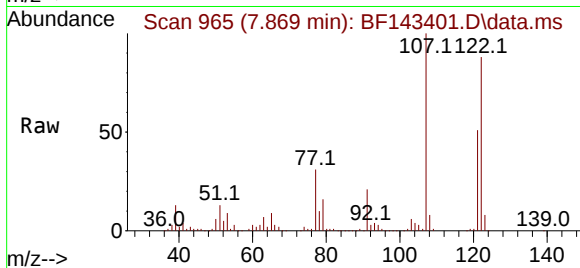
Tgt Ion:122 Resp: 388489

Ion Ratio Lower Upper

122 100

107 113.7 89.9 134.9

121 58.1 46.2 69.4



#28

bis(2-Chloroethoxy)methane

Concen: 40.346 ng

RT: 7.957 min Scan# 980

Delta R.T. 0.000 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

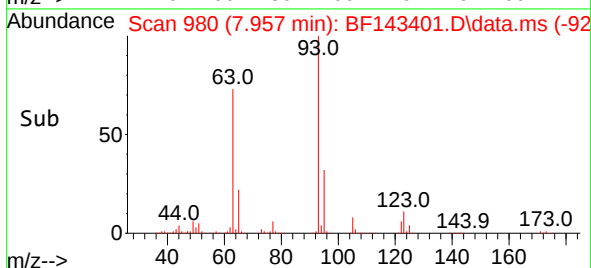
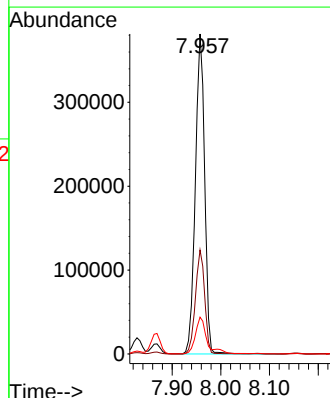
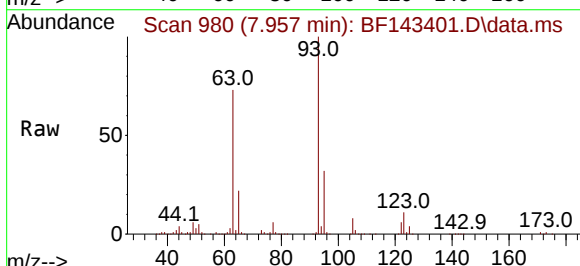
Tgt Ion: 93 Resp: 511095

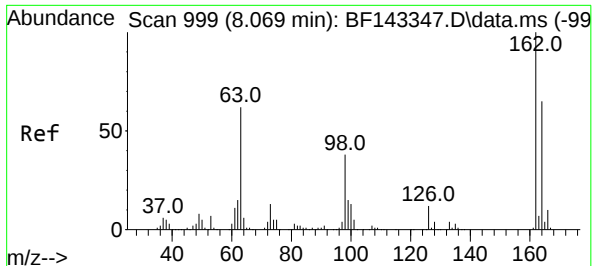
Ion Ratio Lower Upper

93 100

95 32.5 26.2 39.4

123 11.5 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 42.523 ng

RT: 8.075 min Scan# 1000

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

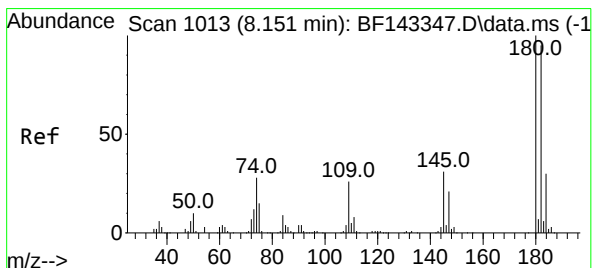
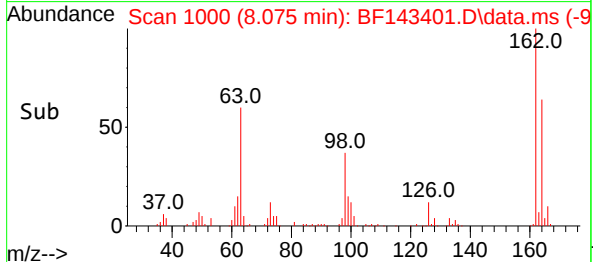
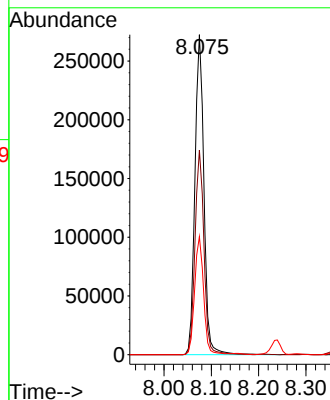
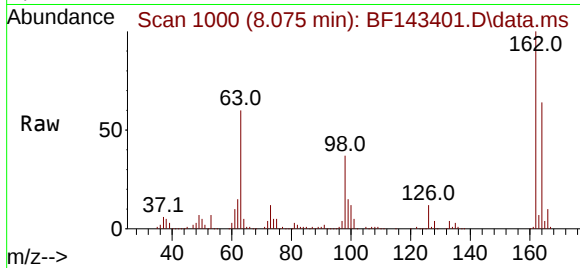
Tgt Ion:162 Resp: 359507

Ion Ratio Lower Upper

162 100

164 63.9 44.5 84.5

98 36.9 17.7 57.7



#30

1,2,4-Trichlorobenzene

Concen: 43.113 ng

RT: 8.157 min Scan# 1014

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

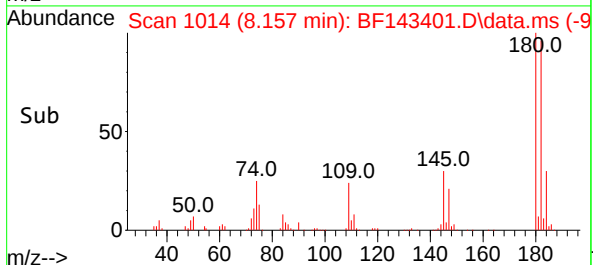
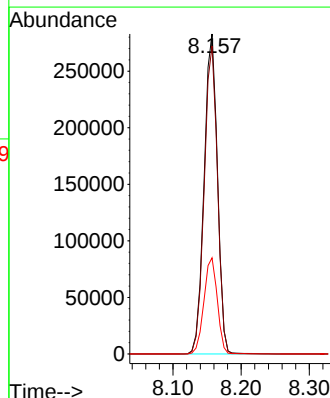
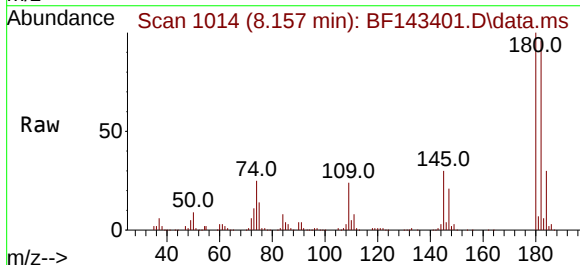
Tgt Ion:180 Resp: 384481

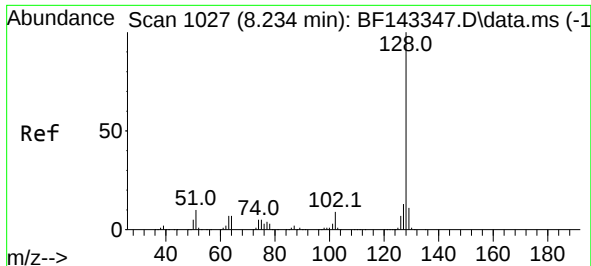
Ion Ratio Lower Upper

180 100

182 96.3 76.1 114.1

145 30.1 24.9 37.3

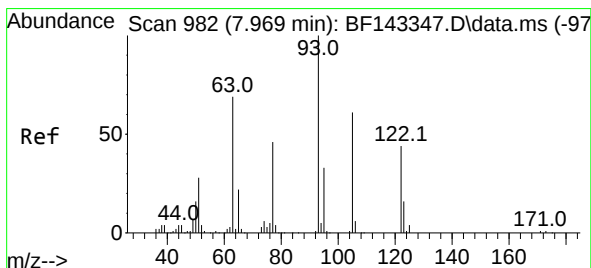
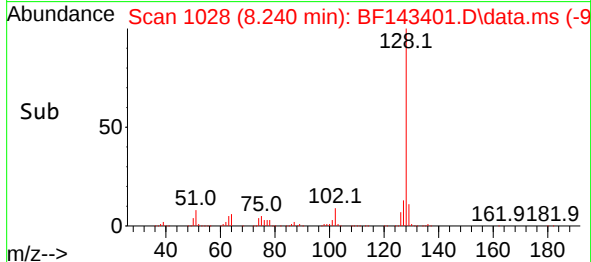
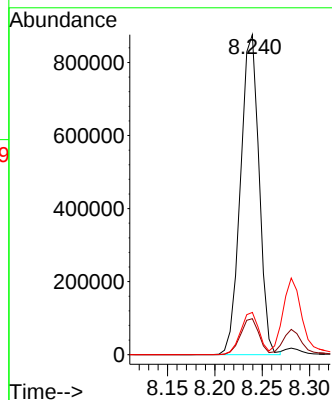
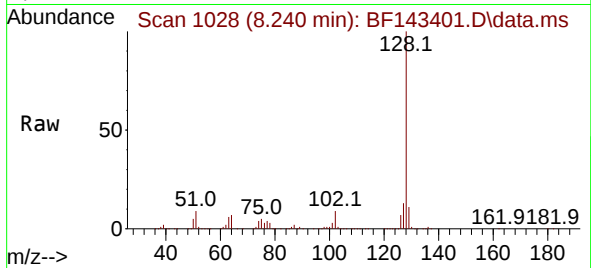




#31
Naphthalene
Concen: 39.106 ng
RT: 8.240 min Scan# 1027
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

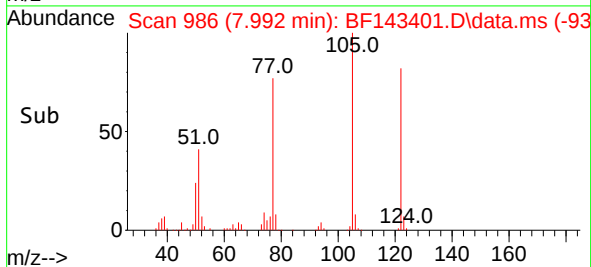
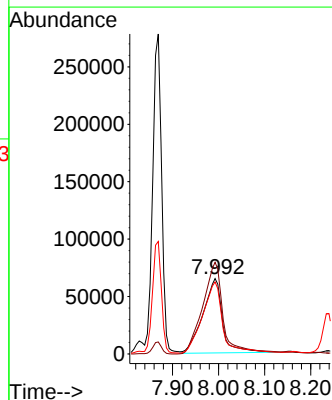
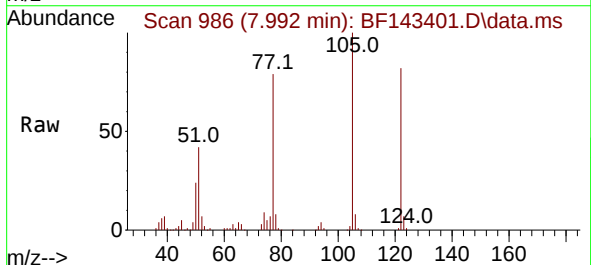
Instrument :
BNA_F
ClientSampleId :
PB169230BS

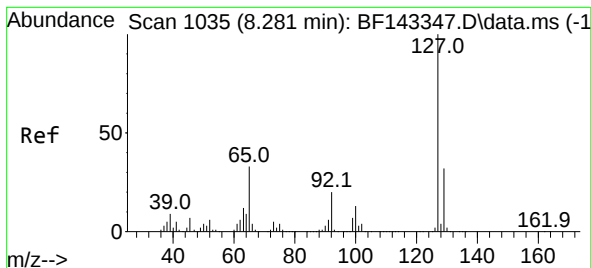
Tgt Ion:128 Resp: 1190968
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.6
127 13.2 10.7 16.1



#32
Benzoic acid
Concen: 50.507 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.023 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:122 Resp: 193229
Ion Ratio Lower Upper
122 100
105 121.7 106.4 146.4
77 95.6 79.2 119.2

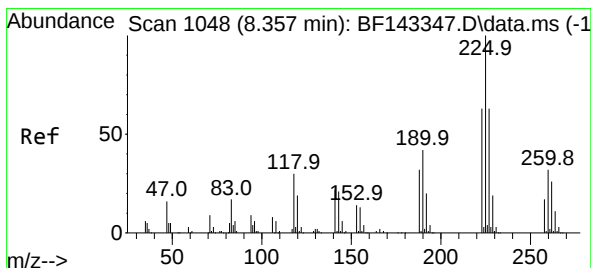
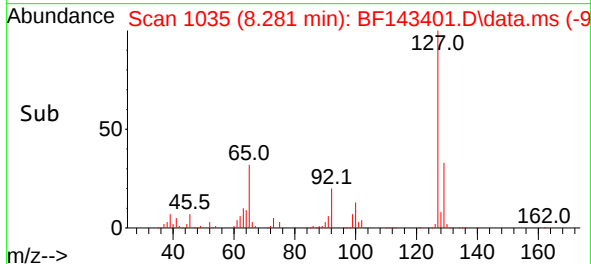
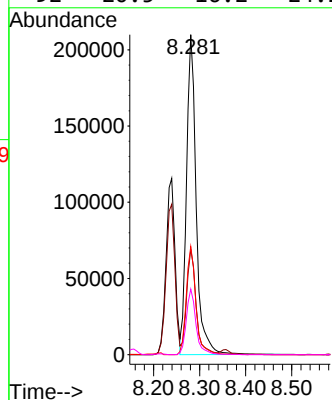
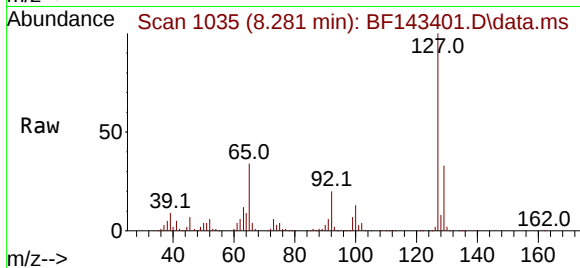




#33
4-Chloroaniline
Concen: 27.798 ng
RT: 8.281 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

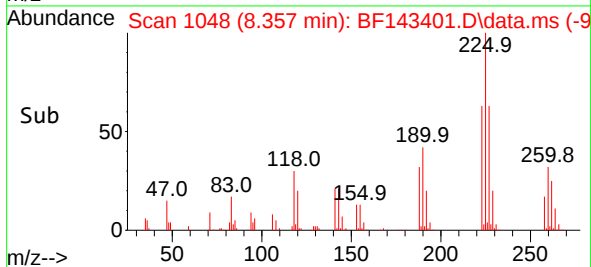
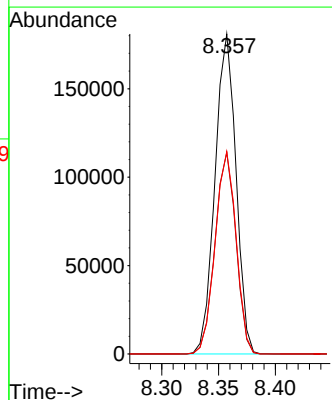
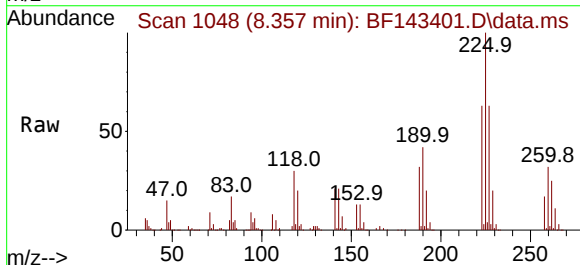
Instrument :
BNA_F
ClientSampleId :
PB169230BS

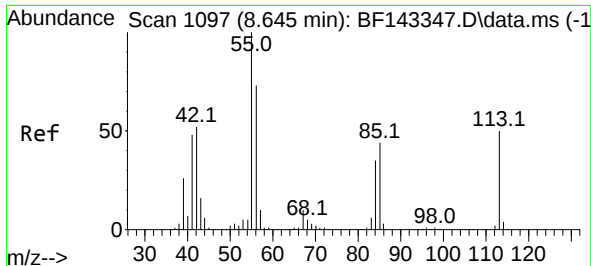
Tgt Ion:	127	Resp:	305352
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.0	39.0
65	33.8	27.0	40.4
92	20.5	16.2	24.2



#34
Hexachlorobutadiene
Concen: 41.967 ng
RT: 8.357 min Scan# 1048
Delta R.T. 0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:	225	Resp:	232817
Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.1	75.1
227	63.3	50.6	75.8

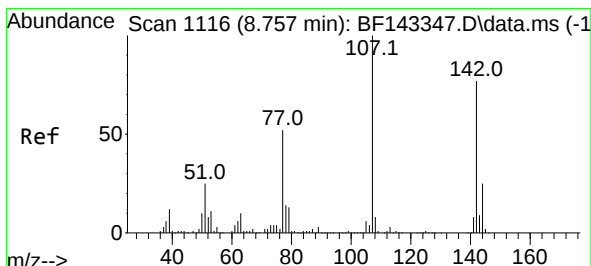
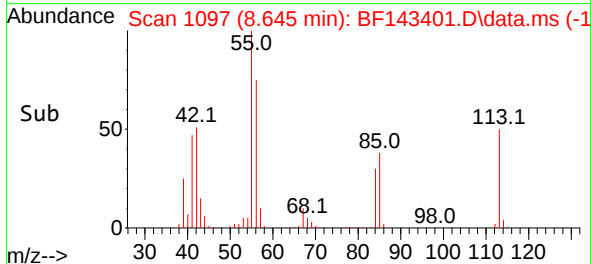
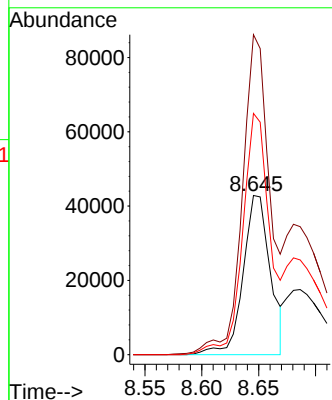
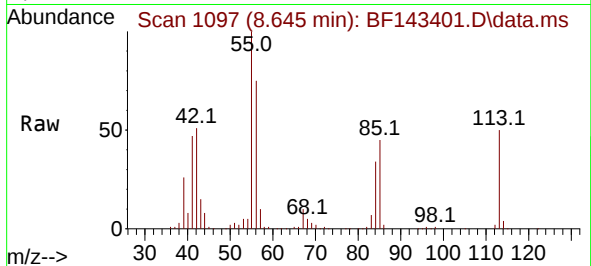




#35
 Caprolactam
 Concen: 29.982 ng
 RT: 8.645 min Scan# 1107
 Delta R.T. 0.000 min
 Lab File: BF143401.D
 Acq: 15 Aug 2025 04:53

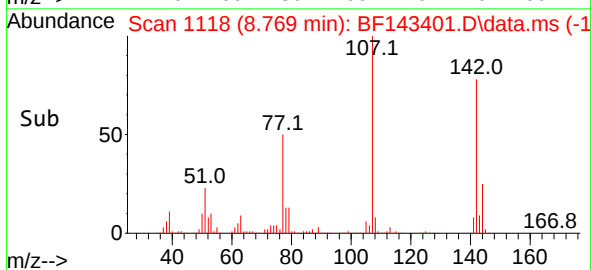
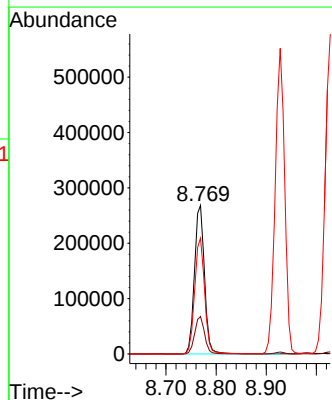
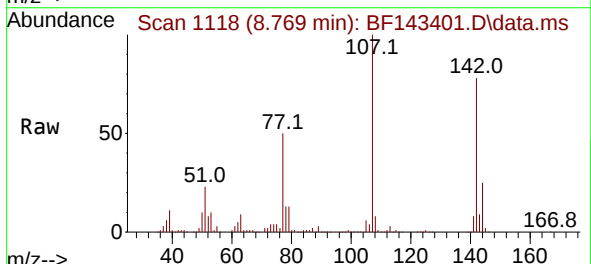
Instrument :
 BNA_F
 ClientSampleId :
 PB169230BS

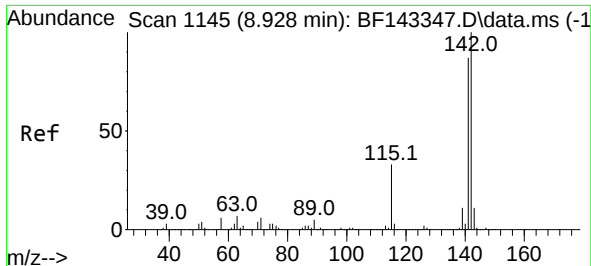
Tgt Ion:113 Resp: 71259
 Ion Ratio Lower Upper
 113 100
 55 201.0 181.4 221.4
 56 151.6 127.3 167.3



#36
 4-Chloro-3-methylphenol
 Concen: 41.982 ng
 RT: 8.769 min Scan# 1118
 Delta R.T. 0.012 min
 Lab File: BF143401.D
 Acq: 15 Aug 2025 04:53

Tgt Ion:107 Resp: 372088
 Ion Ratio Lower Upper
 107 100
 144 25.2 20.0 30.0
 142 78.0 61.3 91.9

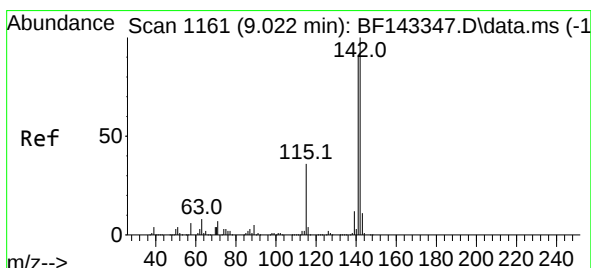
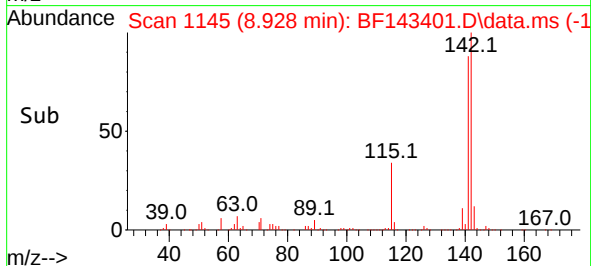
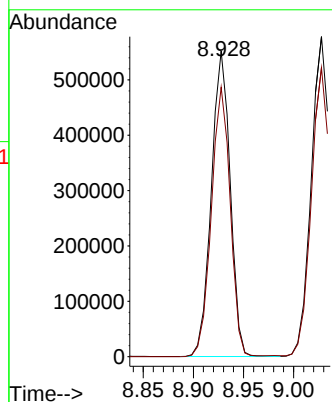
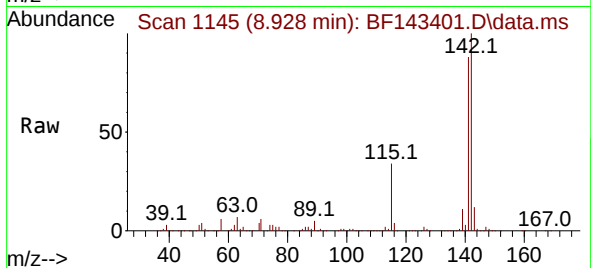




#37
2-Methylnaphthalene
Concen: 36.099 ng
RT: 8.928 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

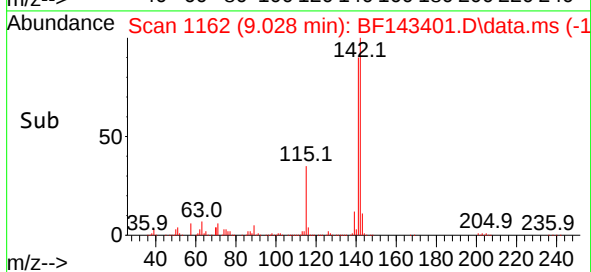
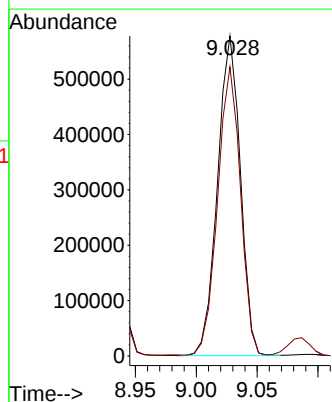
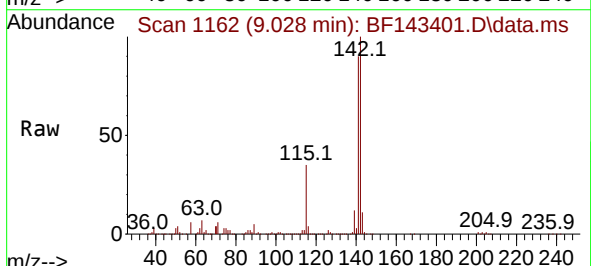
Instrument :
BNA_F
ClientSampleId :
PB169230BS

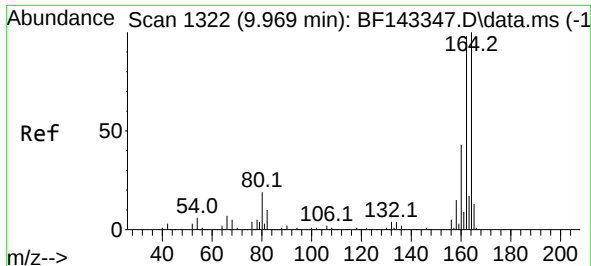
Tgt Ion:142 Resp: 722751
Ion Ratio Lower Upper
142 100
141 88.2 69.8 104.8



#38
1-Methylnaphthalene
Concen: 39.108 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

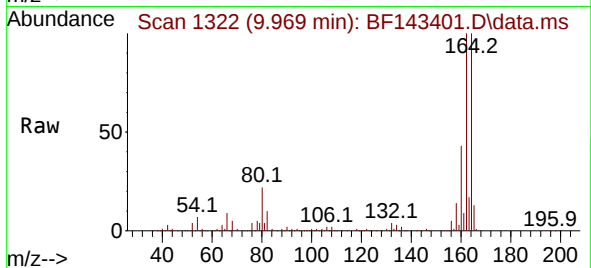
Tgt Ion:142 Resp: 754121
Ion Ratio Lower Upper
142 100
141 90.3 73.0 109.4



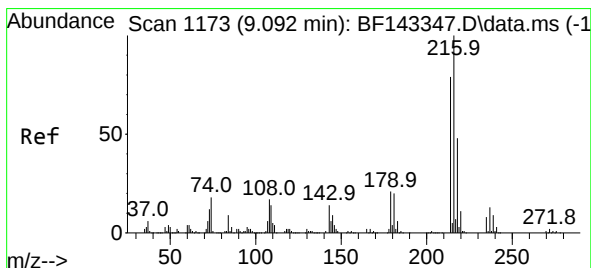
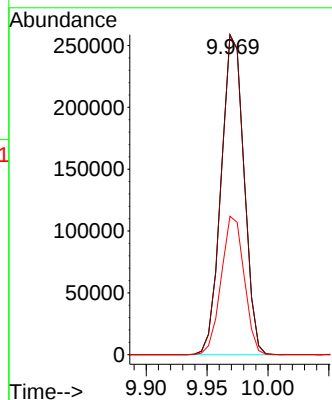
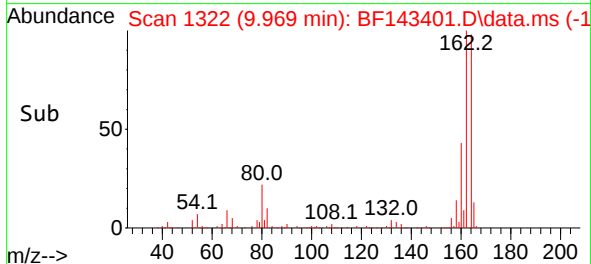


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

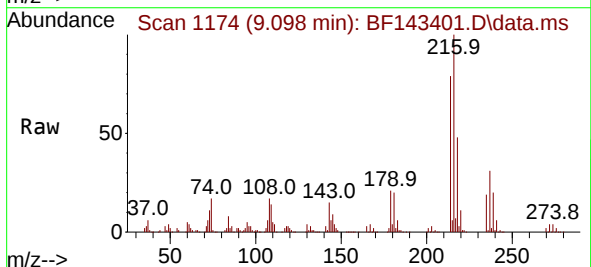
Instrument :
BNA_F
ClientSampleId :
PB169230BS



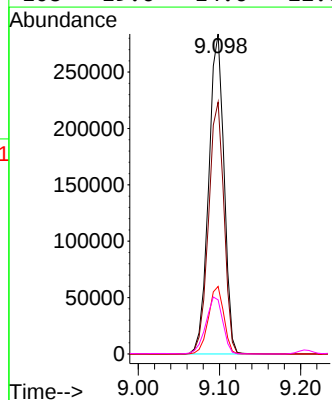
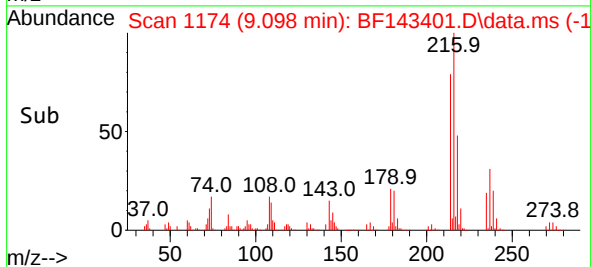
Tgt Ion:164 Resp: 337867
Ion Ratio Lower Upper
164 100
162 99.9 78.6 118.0
160 43.2 34.4 51.6

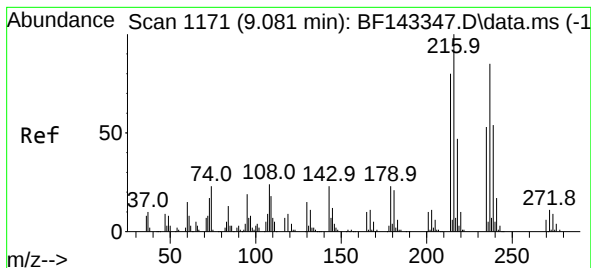


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.229 ng
RT: 9.098 min Scan# 1174
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53



Tgt Ion:216 Resp: 371936
Ion Ratio Lower Upper
216 100
214 78.9 63.0 94.4
179 21.0 17.0 25.4
108 19.6 14.6 22.0





#41

Hexachlorocyclopentadiene

Concen: 111.221 ng

RT: 9.087 min Scan# 1171

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

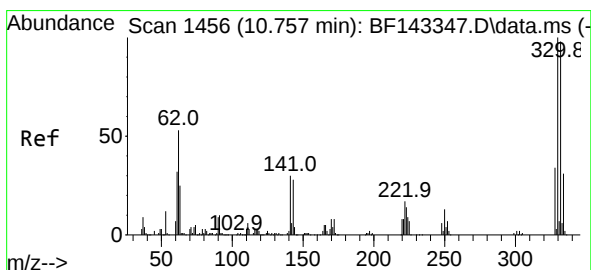
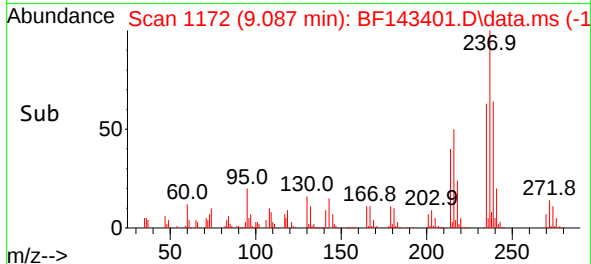
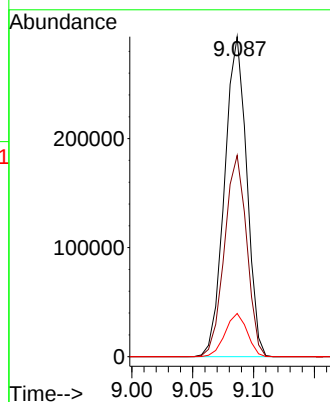
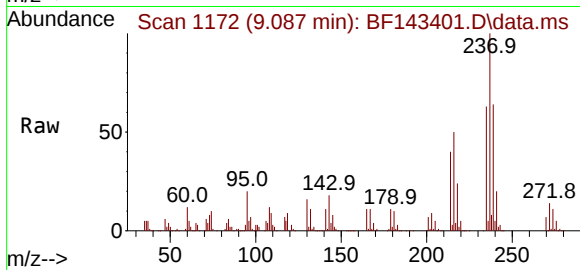
Tgt Ion:237 Resp: 371920

Ion Ratio Lower Upper

237 100

235 62.9 42.0 82.0

272 13.5 0.0 32.6



#42

2,4,6-Tribromophenol

Concen: 141.436 ng

RT: 10.763 min Scan# 1457

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

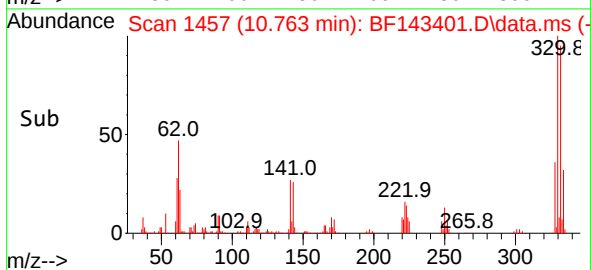
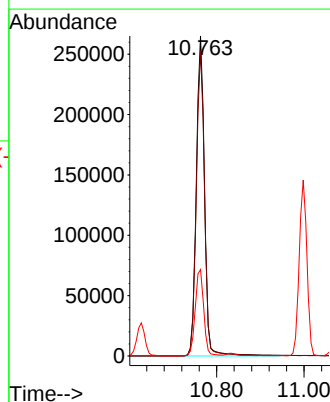
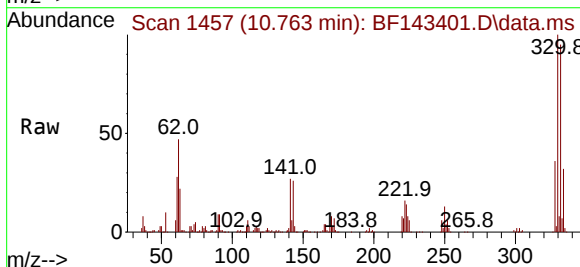
Tgt Ion:330 Resp: 349234

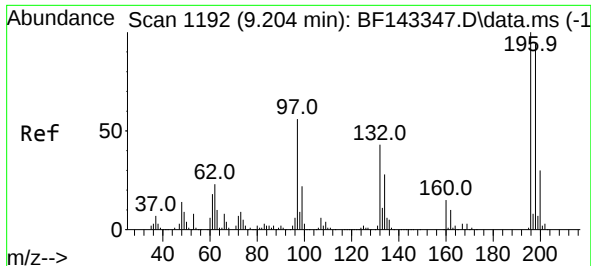
Ion Ratio Lower Upper

330 100

332 95.0 78.1 117.1

141 27.9 25.4 38.0





#43

2,4,6-Trichlorophenol

Concen: 45.577 ng

RT: 9.204 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

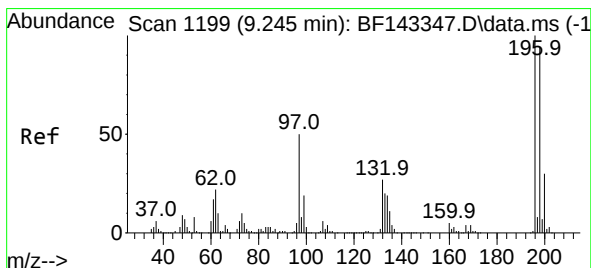
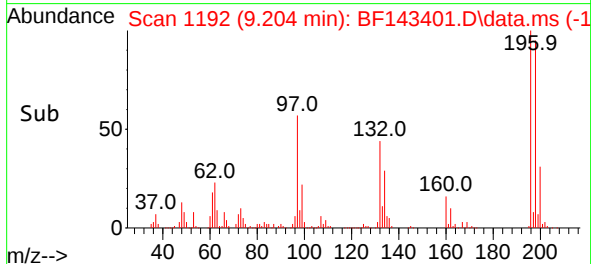
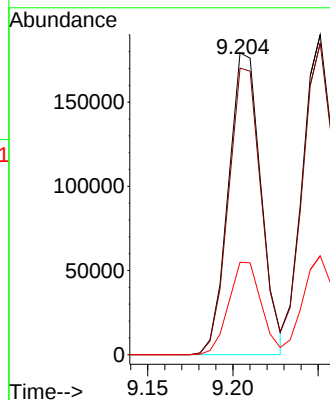
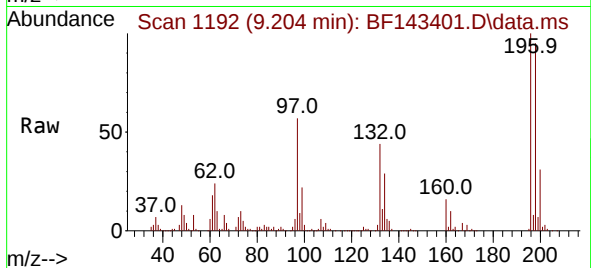
Tgt Ion:196 Resp: 239087

Ion Ratio Lower Upper

196 100

198 94.9 75.4 113.0

200 30.6 24.3 36.5



#44

2,4,5-Trichlorophenol

Concen: 43.255 ng

RT: 9.251 min Scan# 1200

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Tgt Ion:196 Resp: 256237

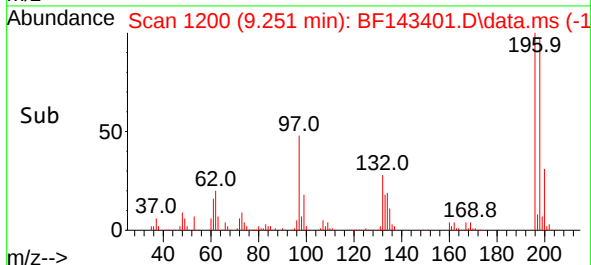
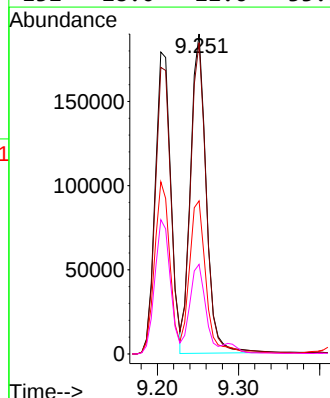
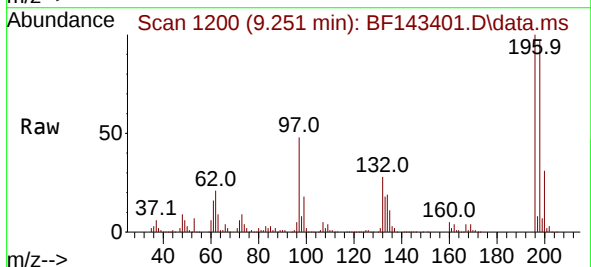
Ion Ratio Lower Upper

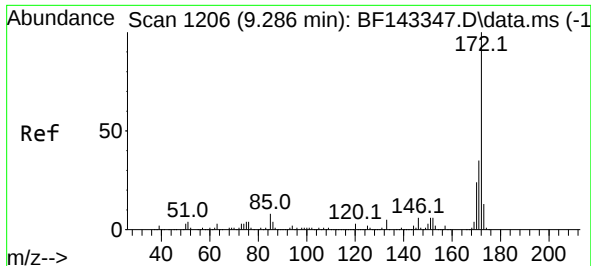
196 100

198 97.3 75.4 113.2

97 47.9 39.9 59.9

132 28.0 22.6 33.8

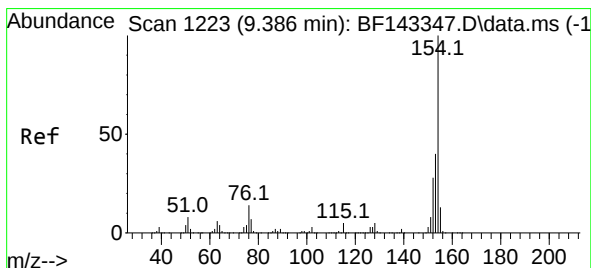
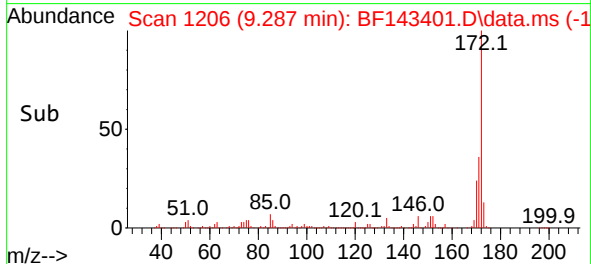
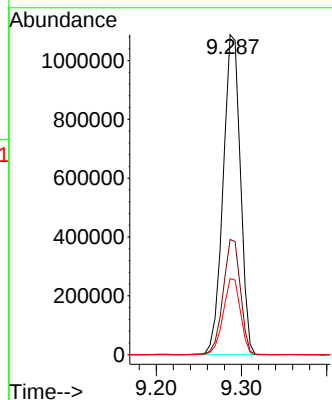
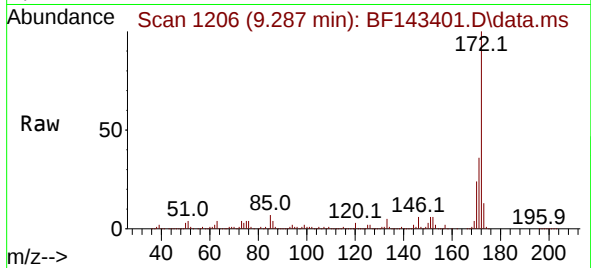




#45
2-Fluorobiphenyl
Concen: 76.860 ng
RT: 9.287 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

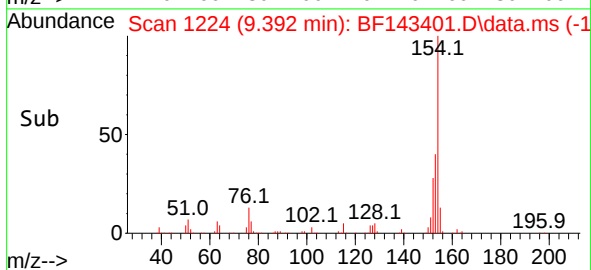
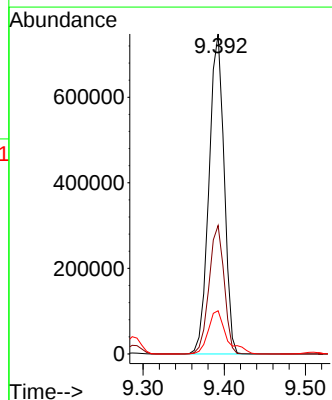
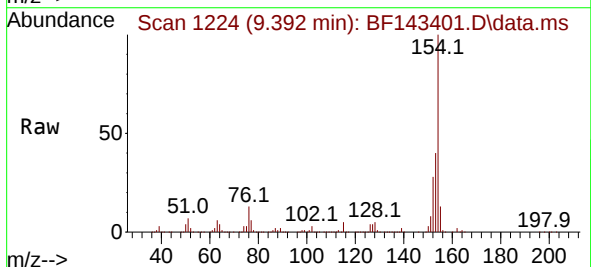
Instrument :
BNA_F
ClientSampleId :
PB169230BS

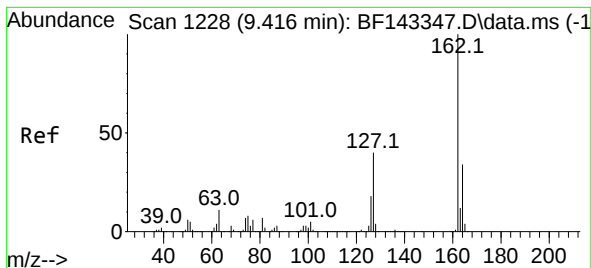
Tgt Ion:172 Resp: 1531375
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 23.7 19.1 28.7



#46
1,1'-Biphenyl
Concen: 40.406 ng
RT: 9.392 min Scan# 1224
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:154 Resp: 965257
Ion Ratio Lower Upper
154 100
153 40.2 20.2 60.2
76 13.5 0.0 34.4





#47

2-Chloronaphthalene

Concen: 39.696 ng

RT: 9.416 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

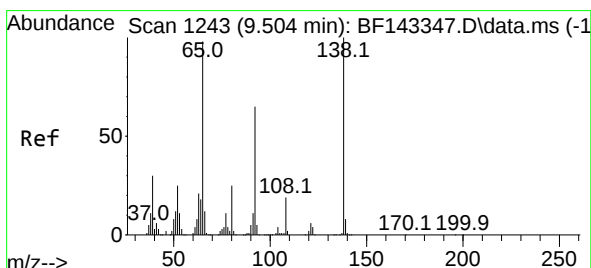
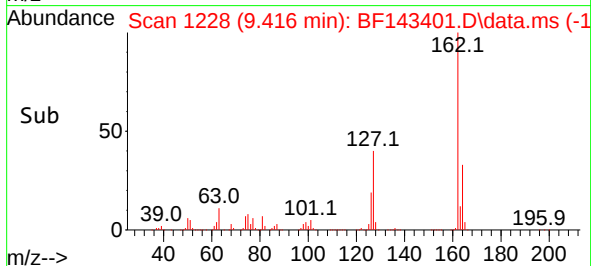
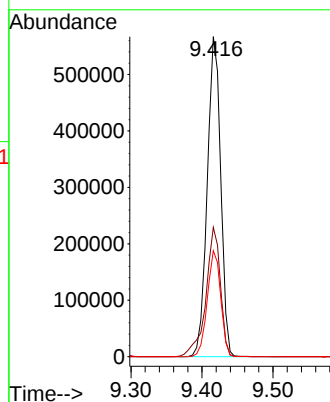
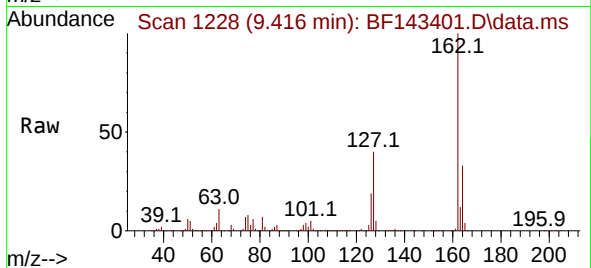
Tgt Ion:162 Resp: 746864

Ion Ratio Lower Upper

162 100

127 40.4 32.1 48.1

164 33.1 27.0 40.4



#48

2-Nitroaniline

Concen: 44.055 ng

RT: 9.510 min Scan# 1244

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

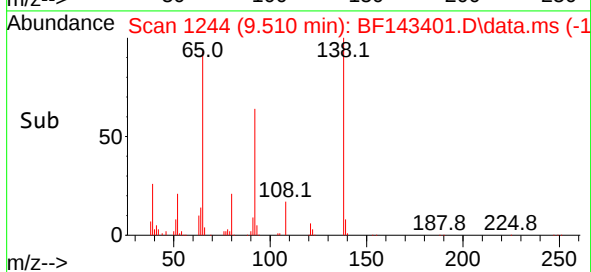
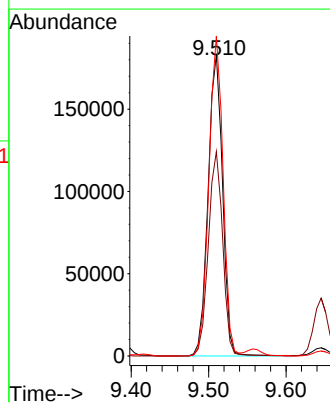
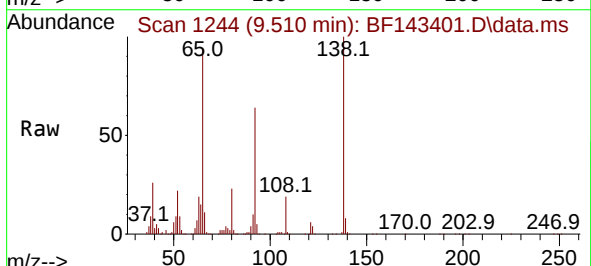
Tgt Ion: 65 Resp: 237744

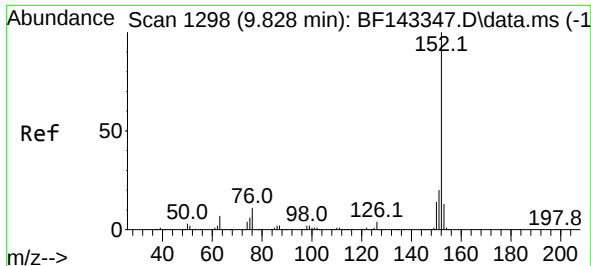
Ion Ratio Lower Upper

65 100

92 67.8 53.1 79.7

138 106.3 81.4 122.0





#49

Acenaphthylene

Concen: 44.520 ng

RT: 9.834 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

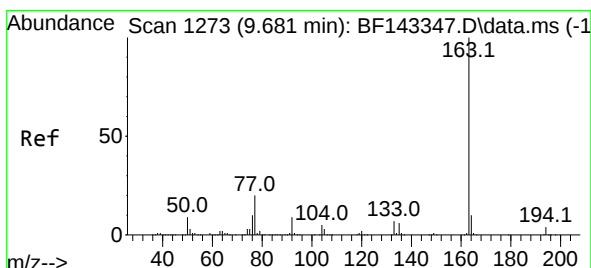
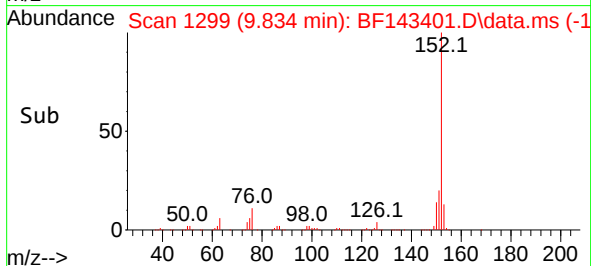
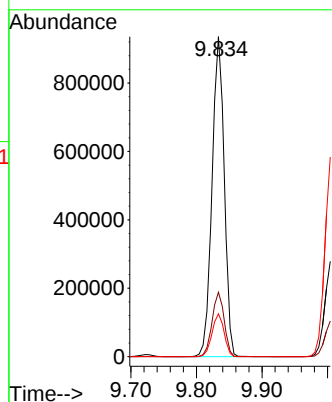
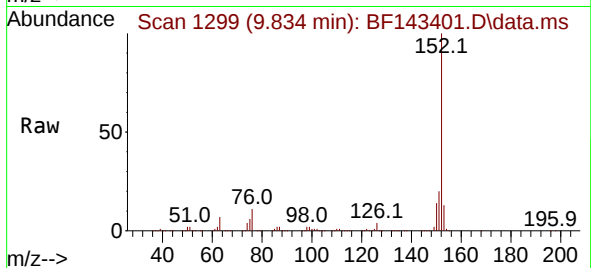
Tgt Ion:152 Resp: 1209614

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.4 10.6 16.0



#50

Dimethylphthalate

Concen: 44.021 ng

RT: 9.686 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

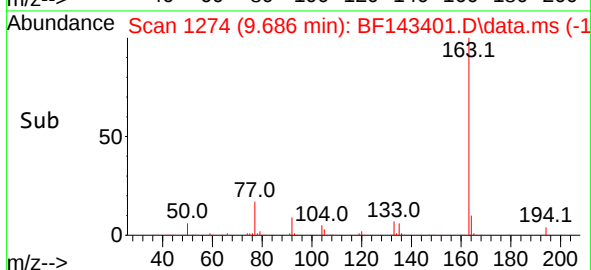
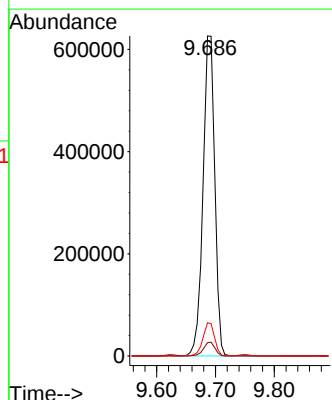
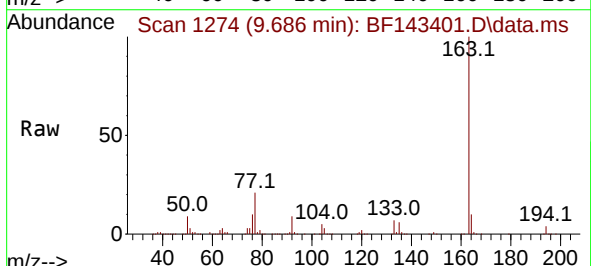
Tgt Ion:163 Resp: 869067

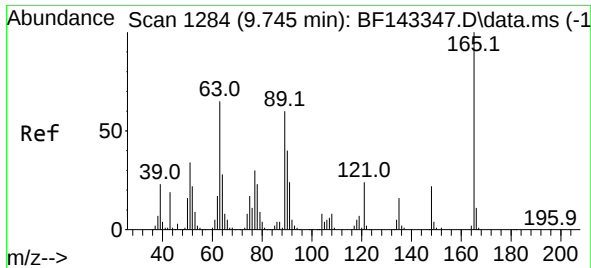
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 10.4 8.2 12.2

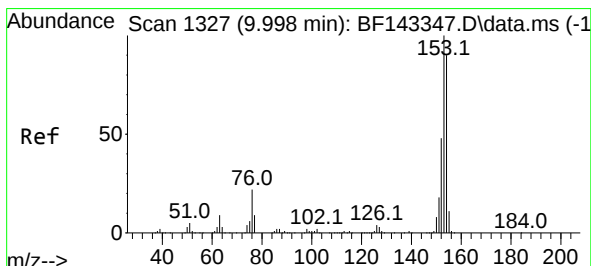
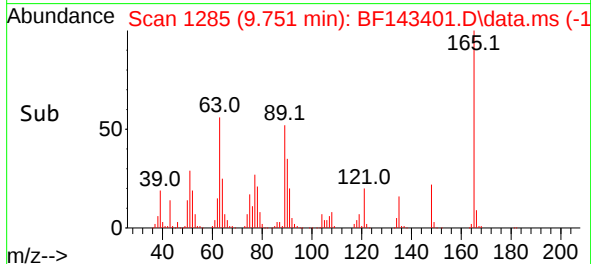
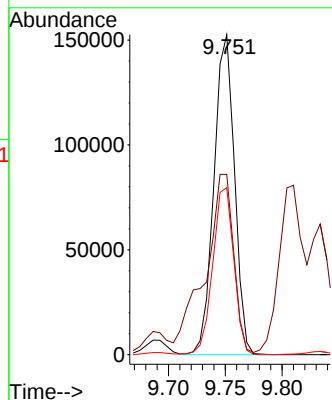
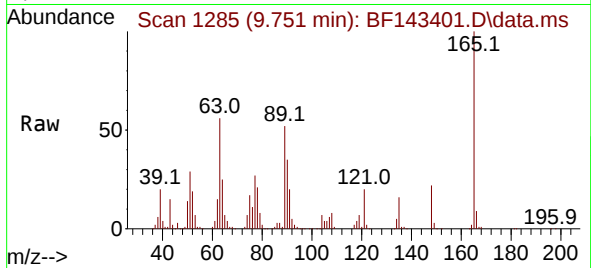




#51
2,6-Dinitrotoluene
Concen: 51.291 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

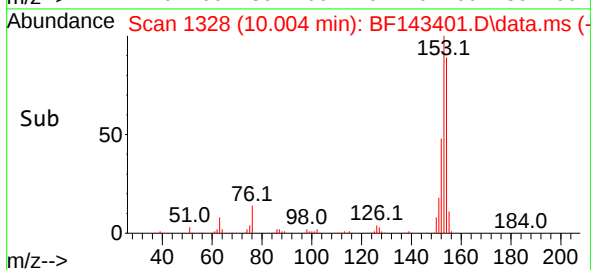
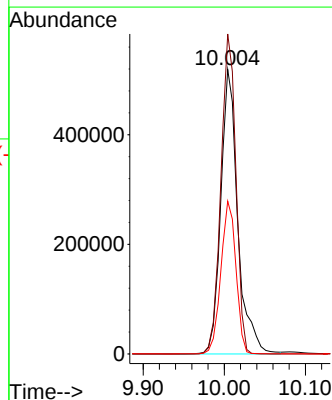
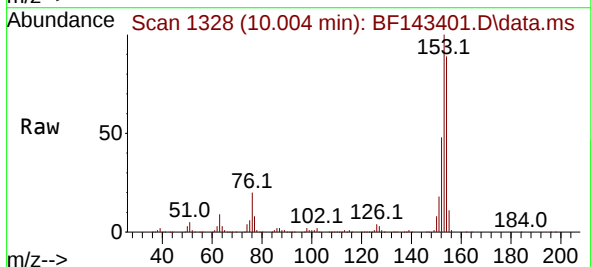
Instrument :
BNA_F
ClientSampleId :
PB169230BS

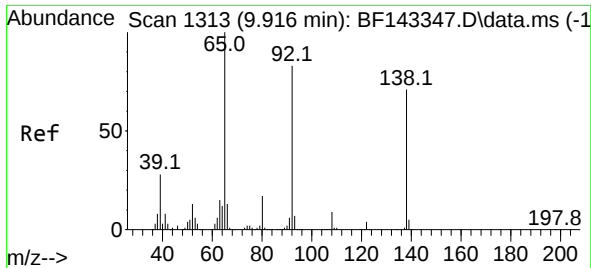
Tgt Ion:165 Resp: 192420
Ion Ratio Lower Upper
165 100
63 56.4 51.6 77.4
89 52.2 47.7 71.5



#52
Acenaphthene
Concen: 41.901 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:154 Resp: 756860
Ion Ratio Lower Upper
154 100
153 112.5 88.5 132.7
152 53.7 42.4 63.6

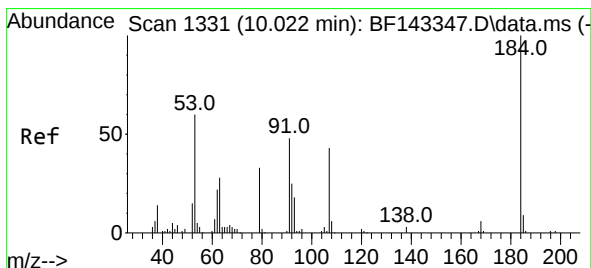
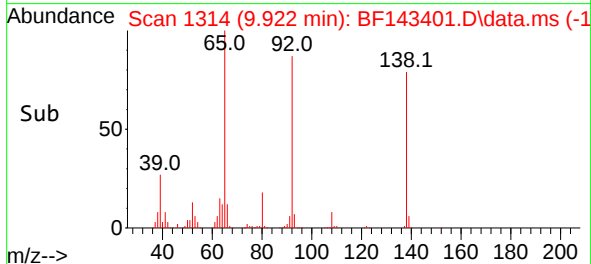
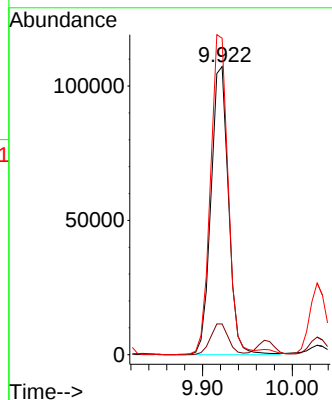
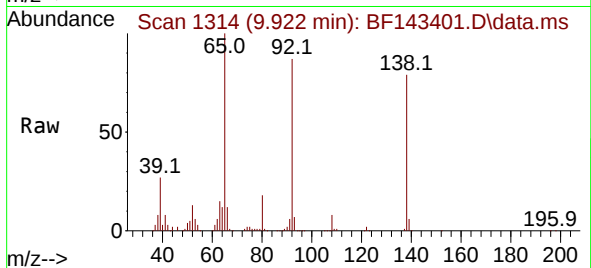




#53
3-Nitroaniline
Concen: 36.092 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

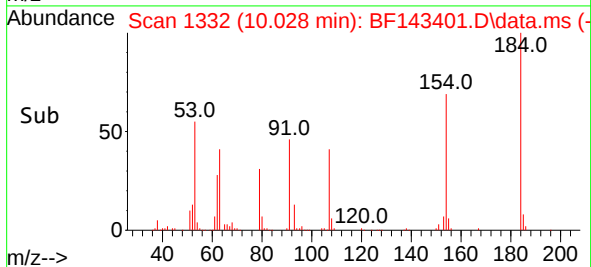
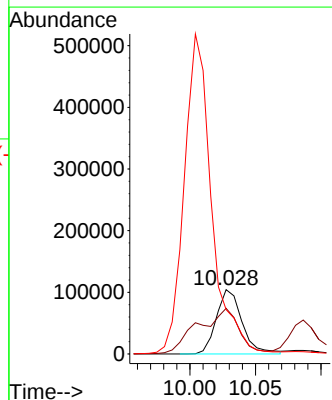
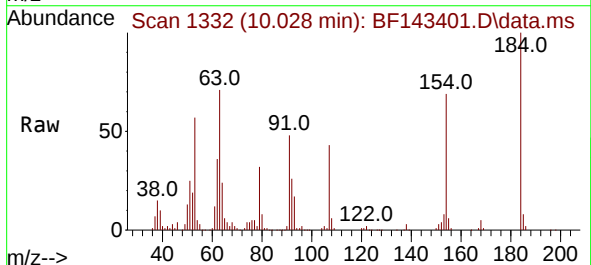
Instrument :
BNA_F
ClientSampleId :
PB169230BS

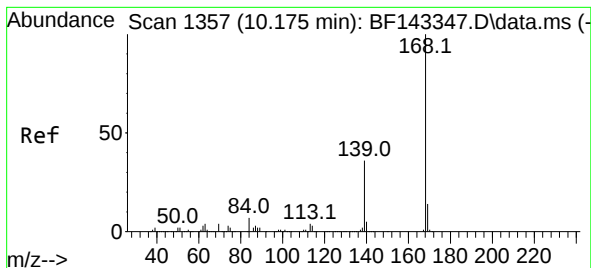
Tgt Ion:138 Resp: 145920
Ion Ratio Lower Upper
138 100
108 10.7 9.6 14.4
92 109.8 93.4 140.2



#54
2,4-Dinitrophenol
Concen: 86.300 ng
RT: 10.028 min Scan# 1332
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:184 Resp: 142048
Ion Ratio Lower Upper
184 100
63 70.8 62.5 93.7
154 68.9 73.0 109.4#

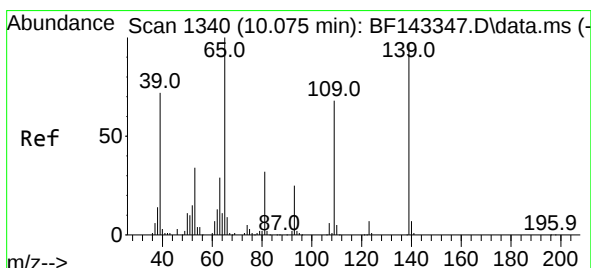
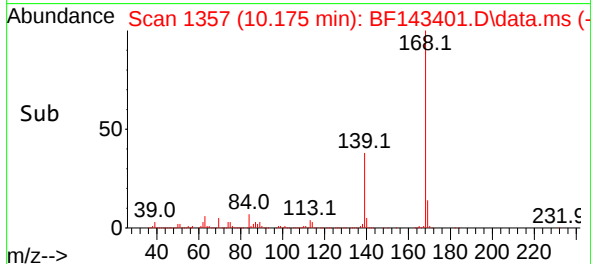
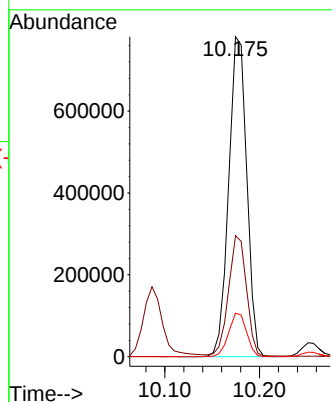
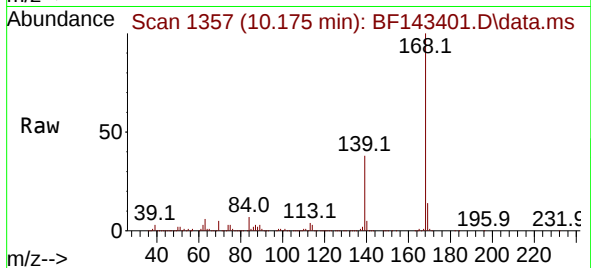




#55
Dibenzofuran
Concen: 39.939 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

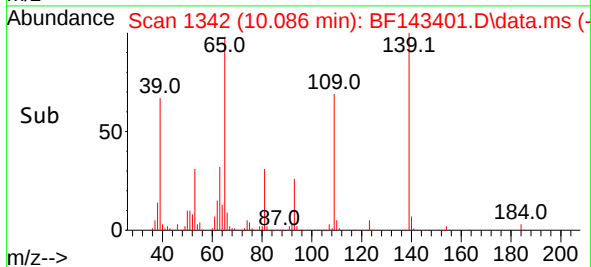
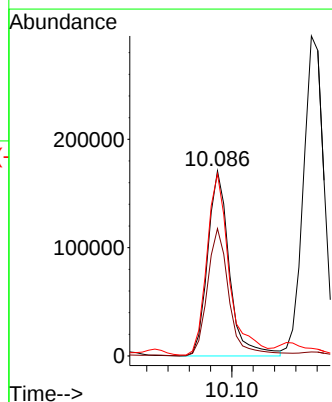
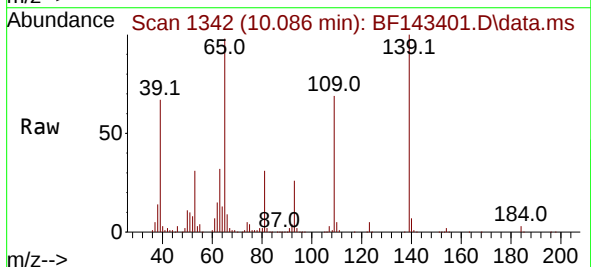
Instrument :
BNA_F
ClientSampleId :
PB169230BS

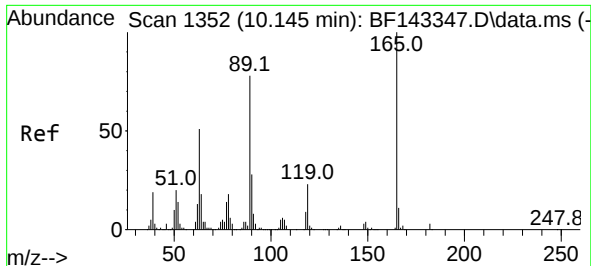
Tgt Ion:168 Resp: 1038293
Ion Ratio Lower Upper
168 100
139 37.8 29.4 44.0
169 13.6 11.0 16.6



#56
4-Nitrophenol
Concen: 75.460 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.011 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:139 Resp: 242747
Ion Ratio Lower Upper
139 100
109 68.8 49.4 89.4
65 98.4 83.7 123.7

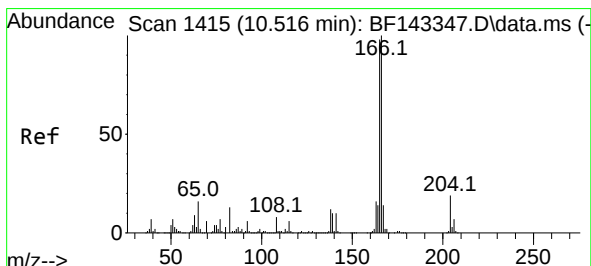
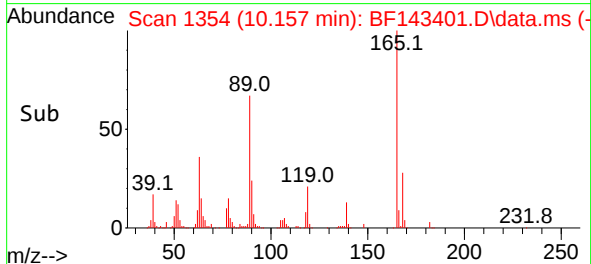
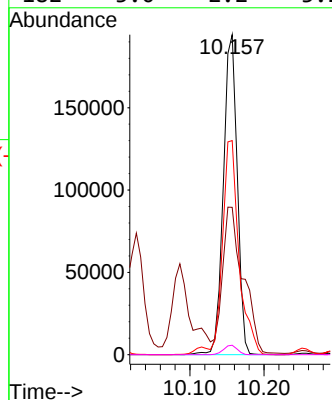
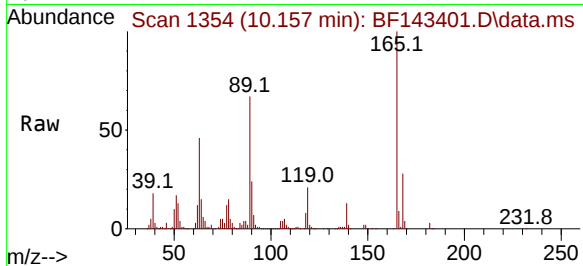




#57
2,4-Dinitrotoluene
Concen: 50.912 ng
RT: 10.157 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

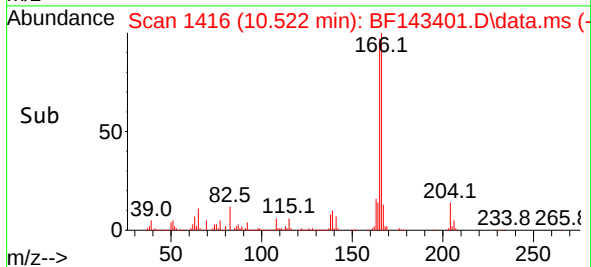
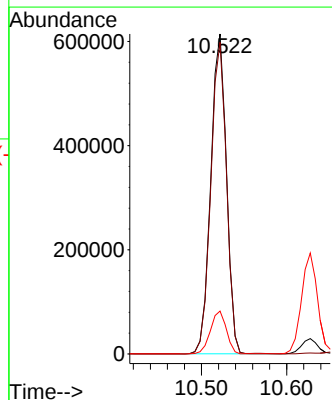
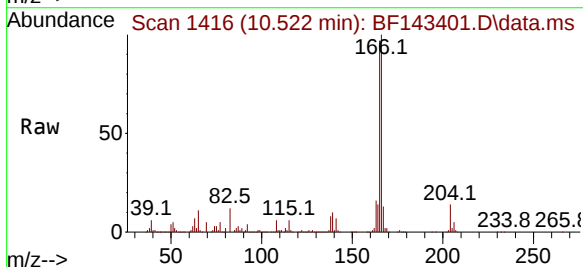
Instrument :
BNA_F
ClientSampleId :
PB169230BS

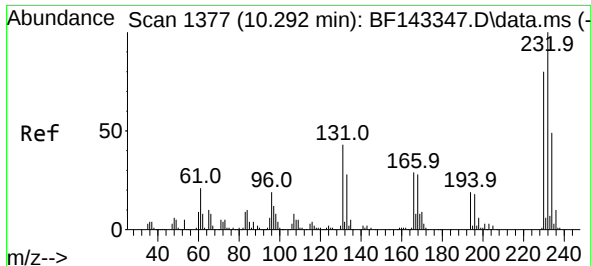
Tgt Ion:165 Resp: 253357
Ion Ratio Lower Upper
165 100
63 46.0 41.8 62.8
89 66.9 62.4 93.6
182 3.0 2.2 3.2



#58
Fluorene
Concen: 39.661 ng
RT: 10.522 min Scan# 1416
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:166 Resp: 787552
Ion Ratio Lower Upper
166 100
165 97.4 78.2 117.4
167 13.4 10.9 16.3

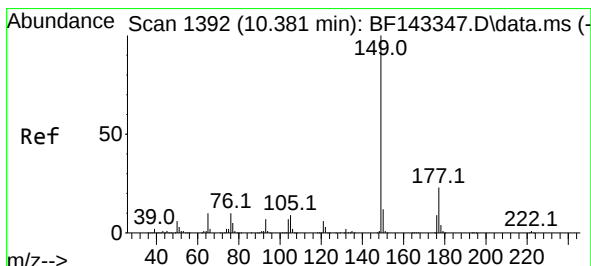
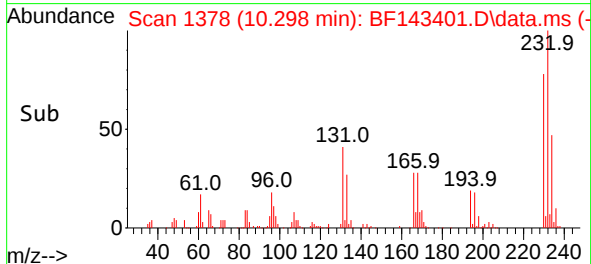
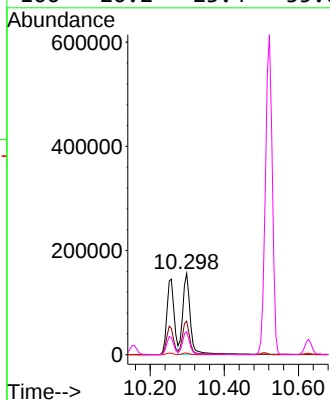
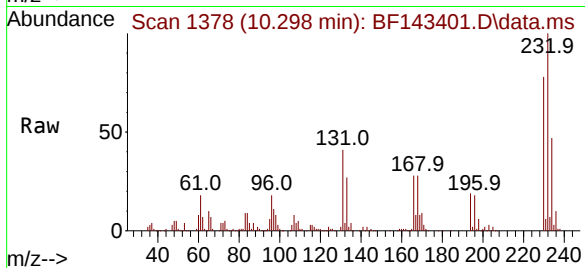




#59
2,3,4,6-Tetrachlorophenol
Concen: 55.631 ng
RT: 10.298 min Scan# 1377
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

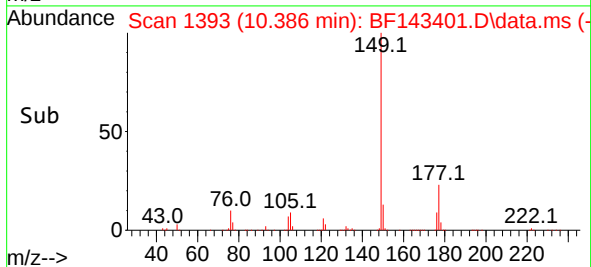
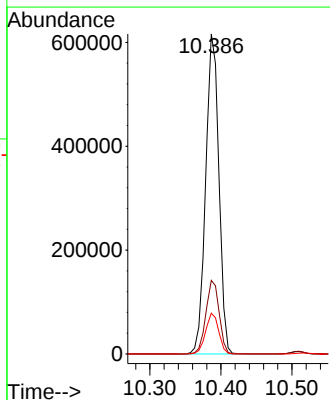
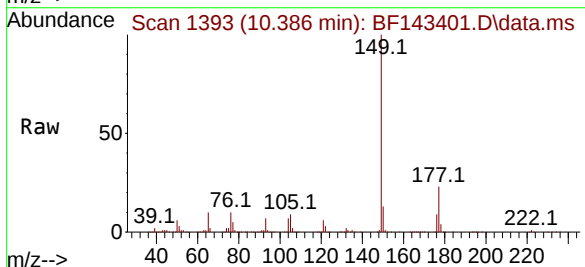
Instrument :
BNA_F
ClientSampleId :
PB169230BS

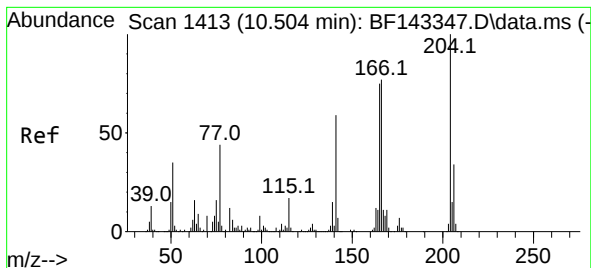
Tgt Ion:232 Resp: 222148
Ion Ratio Lower Upper
232 100
131 40.6 34.6 51.8
130 2.0 1.7 2.5
166 26.2 23.4 35.0



#60
Diethylphthalate
Concen: 45.096 ng
RT: 10.386 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:149 Resp: 797456
Ion Ratio Lower Upper
149 100
177 23.0 18.2 27.2
150 12.7 9.9 14.9

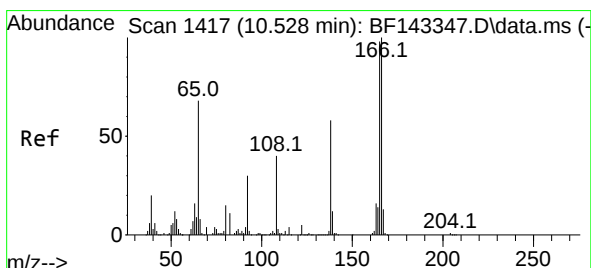
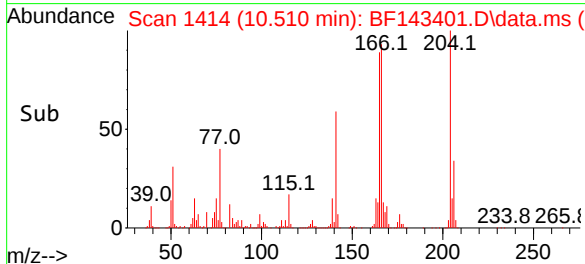
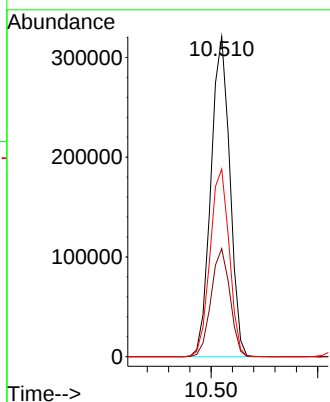
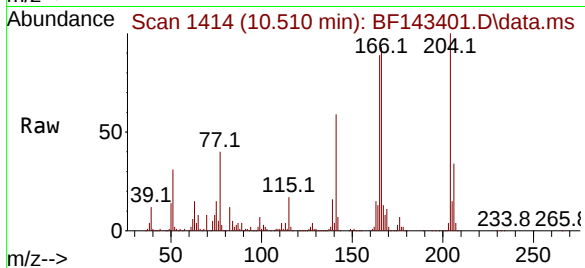




#61
4-Chlorophenyl-phenylether
Concen: 41.090 ng
RT: 10.510 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

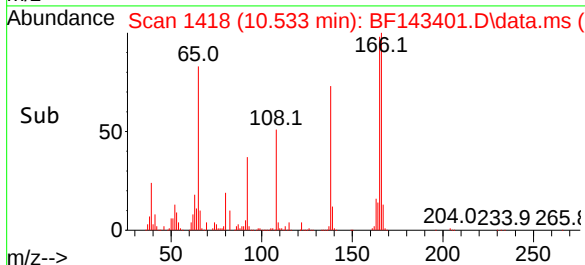
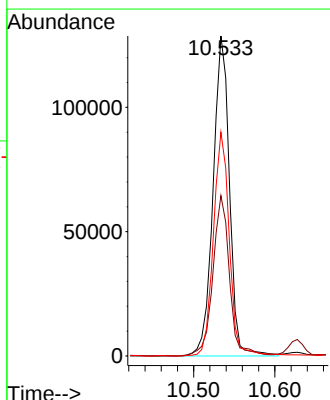
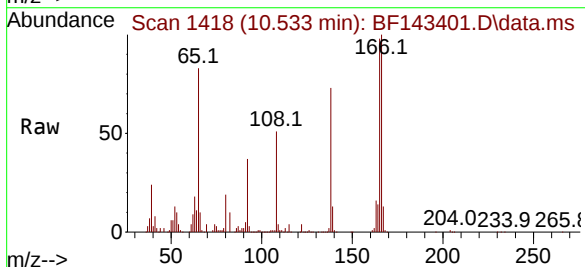
Instrument :
BNA_F
ClientSampleId :
PB169230BS

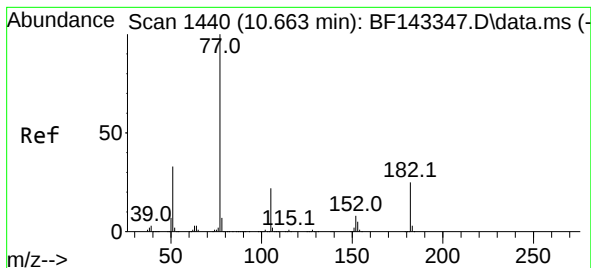
Tgt Ion:204 Resp: 394246
Ion Ratio Lower Upper
204 100
206 33.7 27.4 41.2
141 58.6 46.9 70.3



#62
4-Nitroaniline
Concen: 46.231 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:138 Resp: 180840
Ion Ratio Lower Upper
138 100
92 50.1 31.2 71.2
108 69.9 48.1 88.1





#63

Azobenzene

Concen: 39.765 ng

RT: 10.669 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

Tgt Ion: 77 Resp: 803186

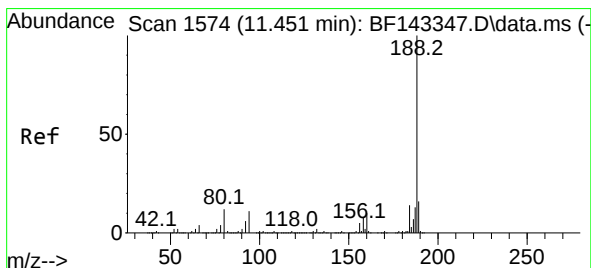
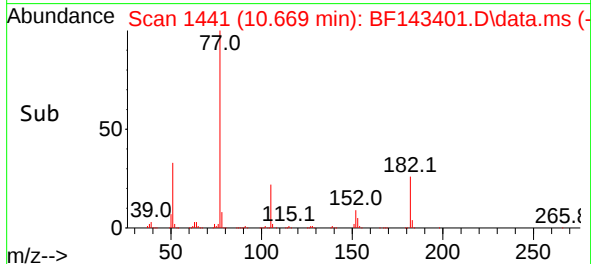
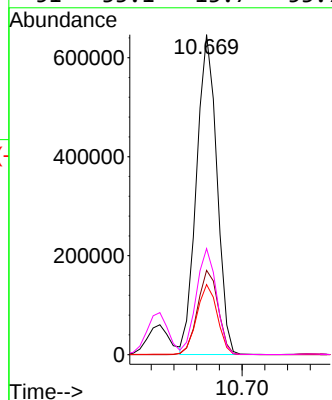
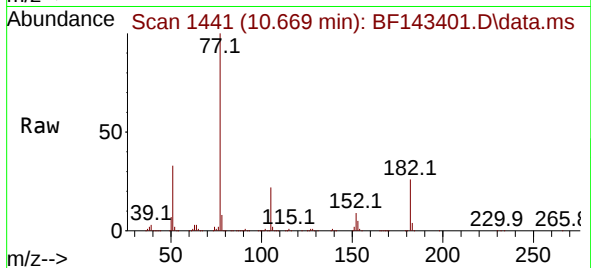
Ion Ratio Lower Upper

77 100

182 26.4 4.4 44.4

105 21.9 1.8 41.8

51 33.1 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.457 min Scan# 1575

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

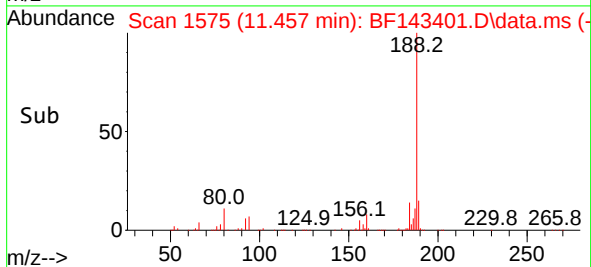
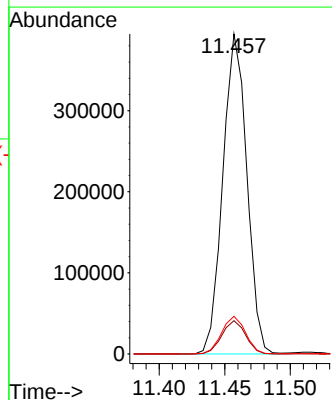
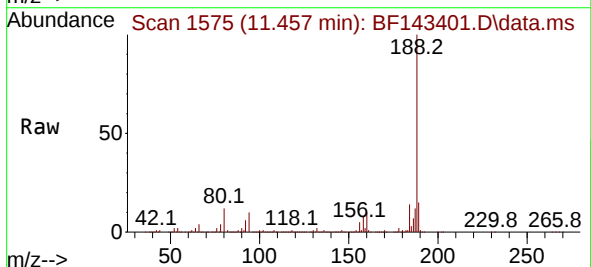
Tgt Ion: 188 Resp: 501977

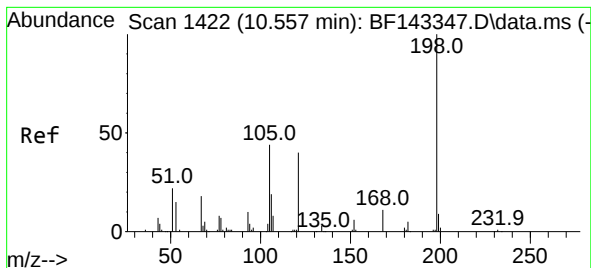
Ion Ratio Lower Upper

188 100

94 10.4 8.8 13.2

80 11.8 9.7 14.5

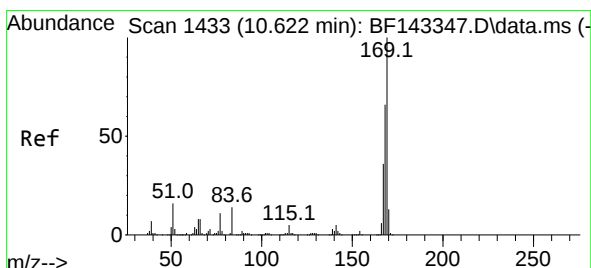
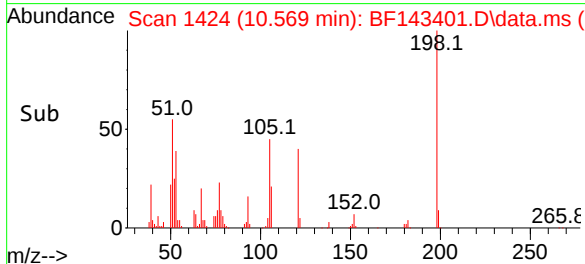
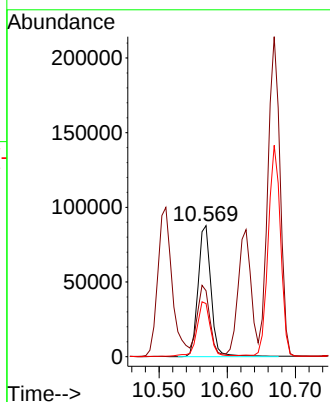
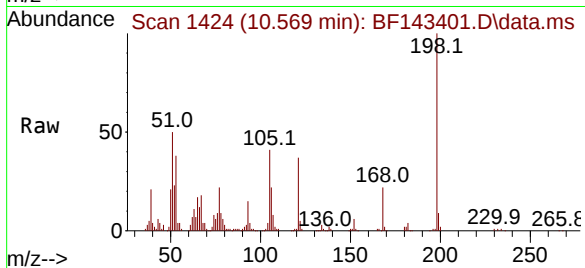




#65
4,6-Dinitro-2-methylphenol
Concen: 55.685 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

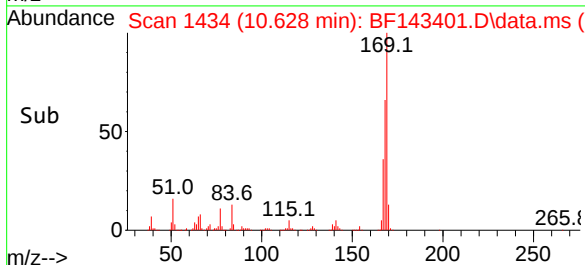
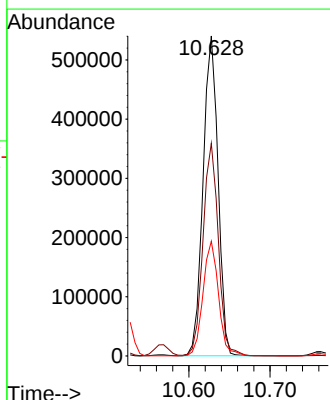
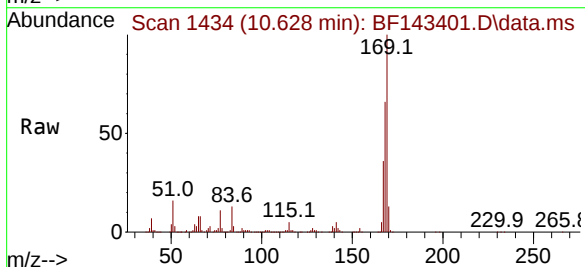
Instrument :
BNA_F
ClientSampleId :
PB169230BS

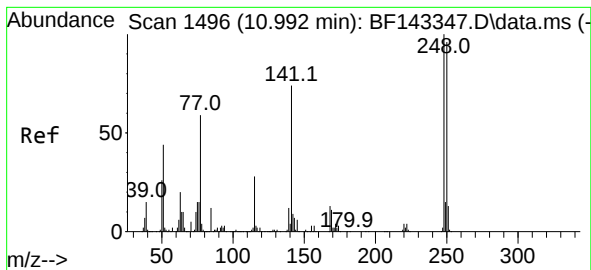
Tgt Ion:198 Resp: 115872
Ion Ratio Lower Upper
198 100
51 50.4 41.7 81.7
105 40.5 26.8 66.8



#66
n-Nitrosodiphenylamine
Concen: 41.802 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:169 Resp: 690947
Ion Ratio Lower Upper
169 100
168 66.4 52.7 79.1
167 35.9 28.6 42.8

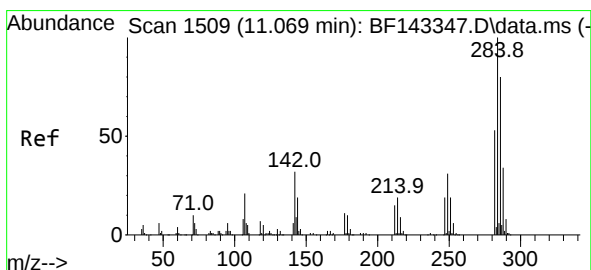
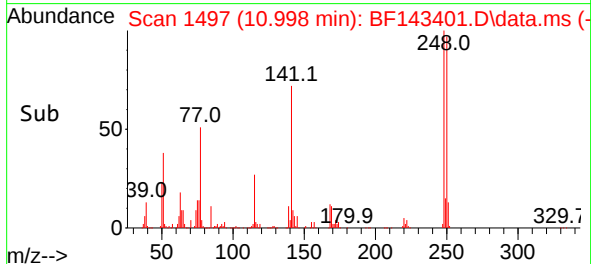
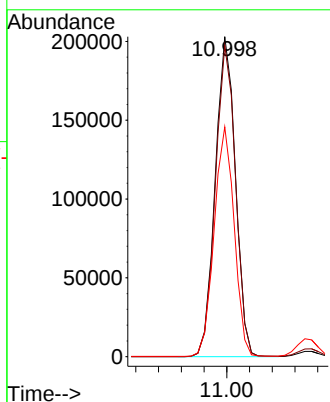
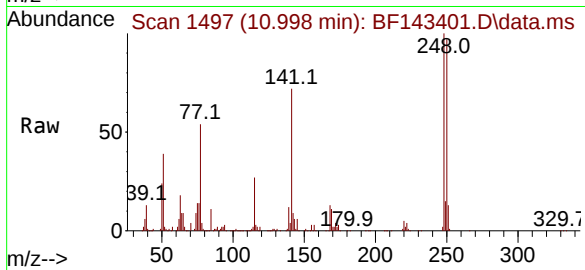




#67
4-Bromophenyl-phenylether
Concen: 43.695 ng
RT: 10.998 min Scan# 1496
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

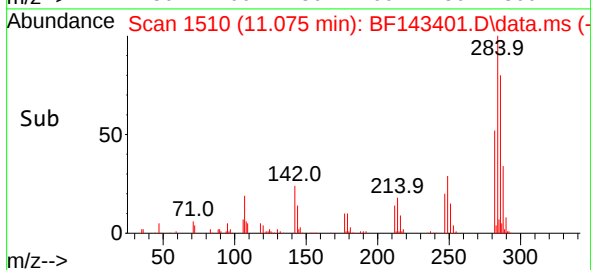
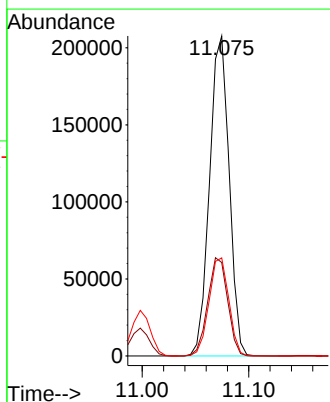
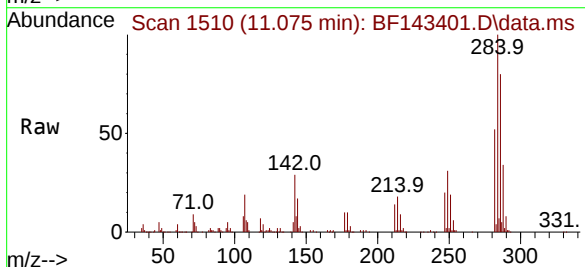
Instrument :
BNA_F
ClientSampleId :
PB169230BS

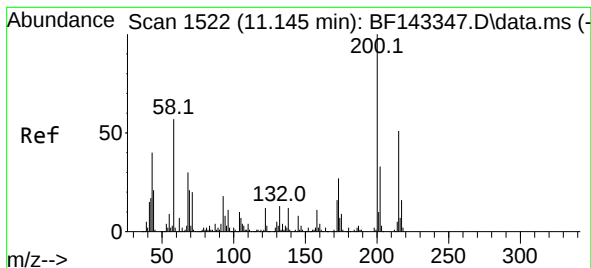
Tgt Ion:248 Resp: 250851
Ion Ratio Lower Upper
248 100
250 97.2 77.1 115.7
141 71.8 59.1 88.7



#68
Hexachlorobenzene
Concen: 42.790 ng
RT: 11.075 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:284 Resp: 264795
Ion Ratio Lower Upper
284 100
142 29.2 25.7 38.5
249 30.6 24.6 37.0





#69

Atrazine

Concen: 49.212 ng

RT: 11.151 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

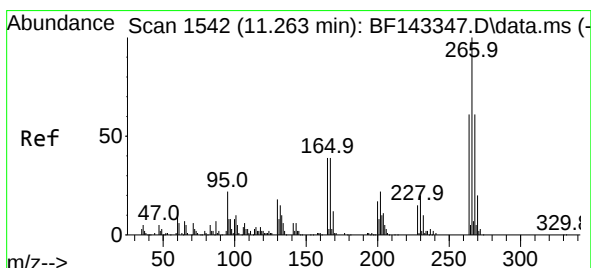
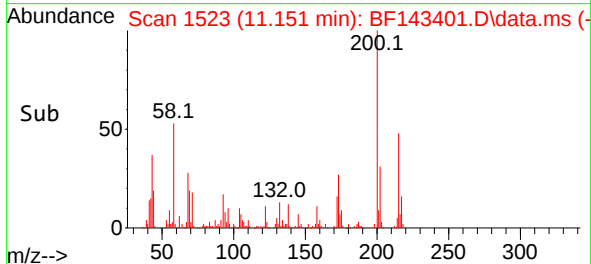
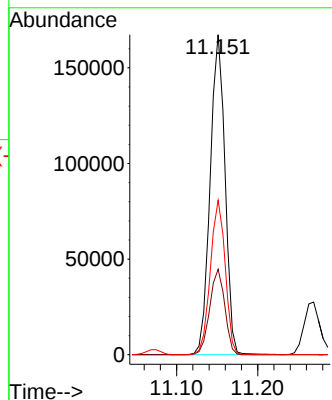
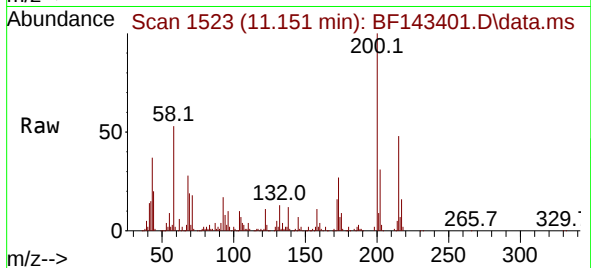
Tgt Ion:200 Resp: 212160

Ion Ratio Lower Upper

200 100

173 26.7 6.6 46.6

215 48.3 30.6 70.6



#70

Pentachlorophenol

Concen: 79.042 ng

RT: 11.269 min Scan# 1543

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

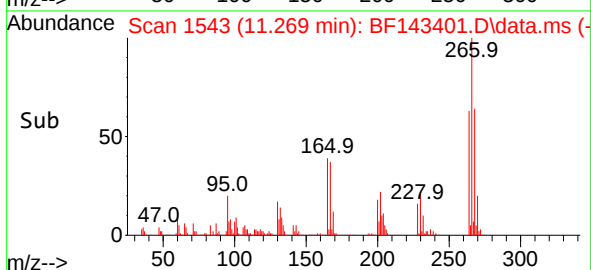
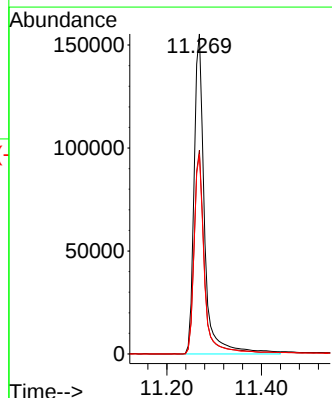
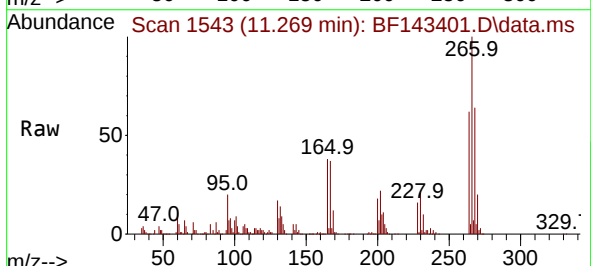
Tgt Ion:266 Resp: 239189

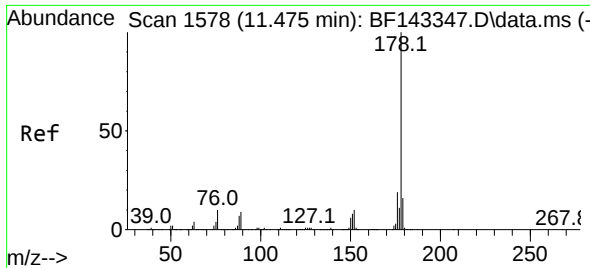
Ion Ratio Lower Upper

266 100

268 63.7 48.8 73.2

264 62.4 48.8 73.2

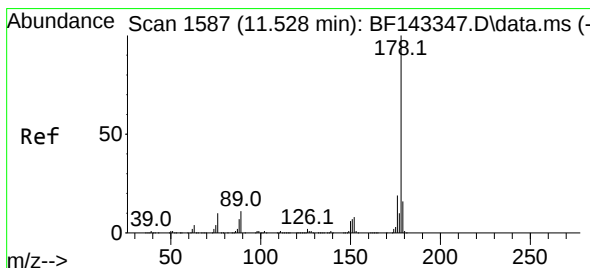
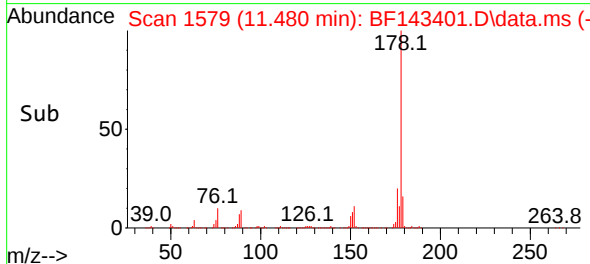
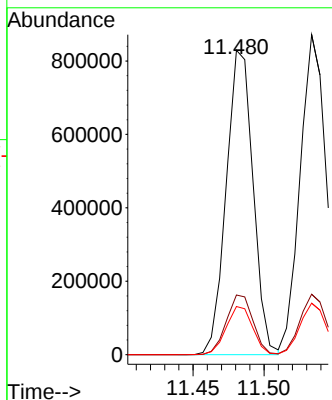
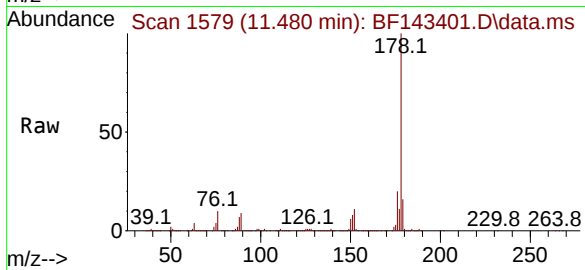




#71
Phenanthrene
Concen: 39.780 ng
RT: 11.480 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

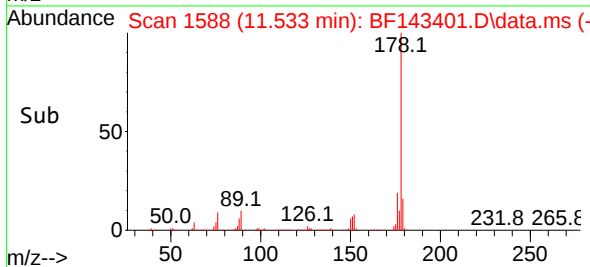
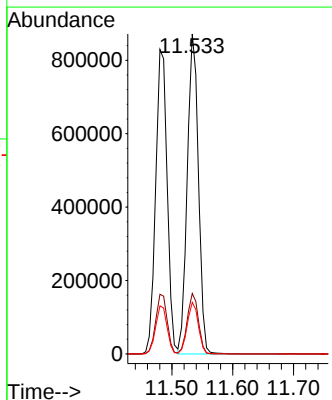
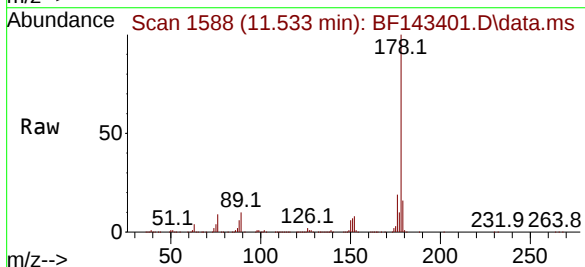
Instrument :
BNA_F
ClientSampleId :
PB169230BS

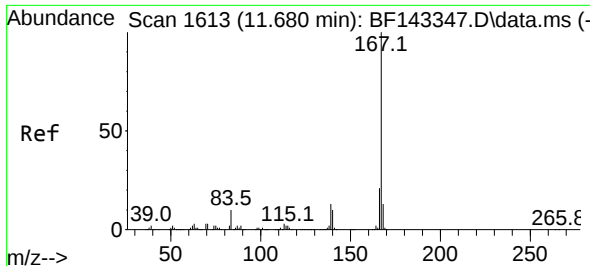
Tgt Ion:178 Resp: 1089484
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.8 12.5 18.7



#72
Anthracene
Concen: 40.026 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:178 Resp: 1111739
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 16.1 12.7 19.1

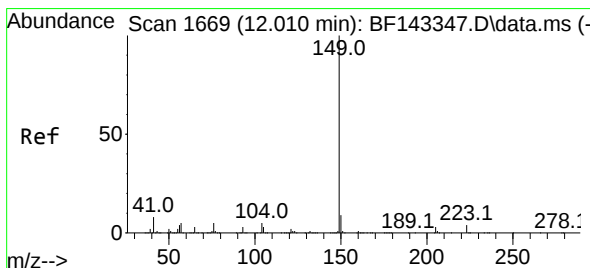
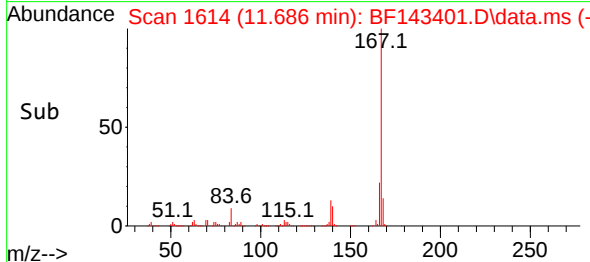
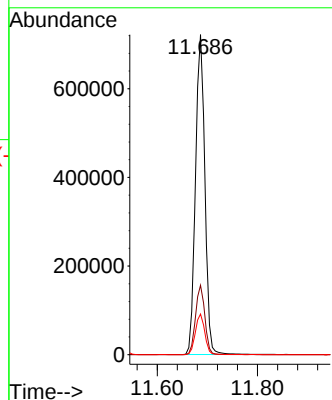
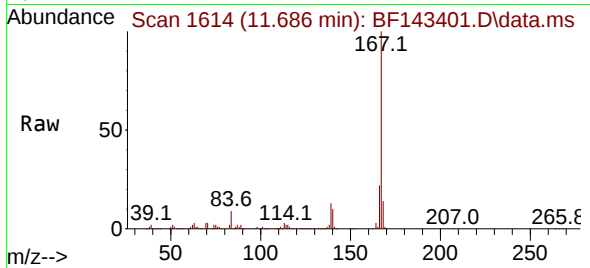




#73
Carbazole
Concen: 39.662 ng
RT: 11.686 min Scan# 1613
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

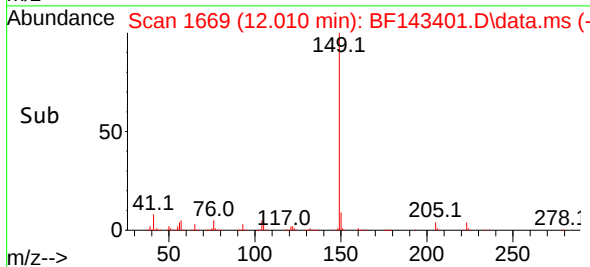
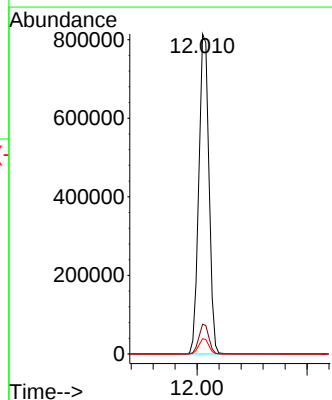
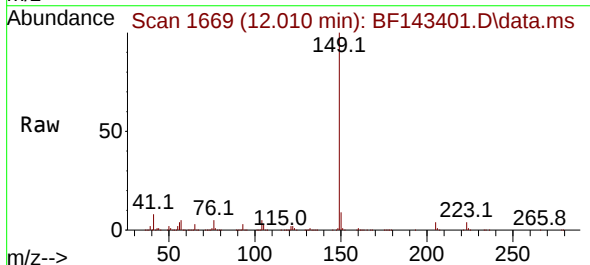
Instrument :
BNA_F
ClientSampleId :
PB169230BS

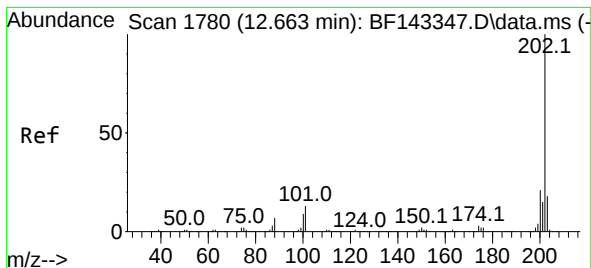
Tgt Ion:167 Resp: 938187
Ion Ratio Lower Upper
167 100
166 21.7 16.8 25.2
139 12.7 10.2 15.2



#74
Di-n-butylphthalate
Concen: 52.195 ng
RT: 12.010 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:149 Resp: 1044778
Ion Ratio Lower Upper
149 100
150 9.3 7.4 11.0
104 4.8 3.8 5.8

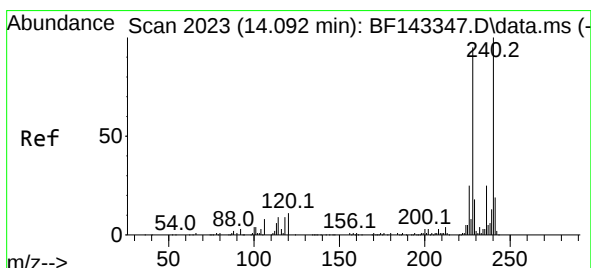
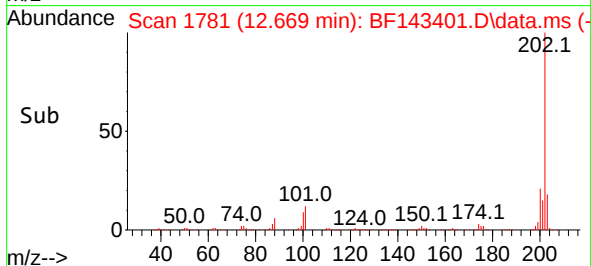
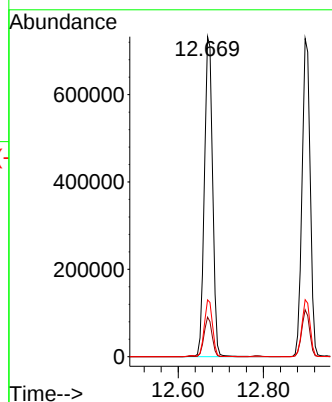
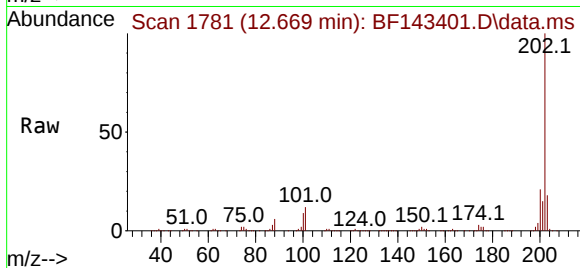




#75
Fluoranthene
Concen: 40.798 ng
RT: 12.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

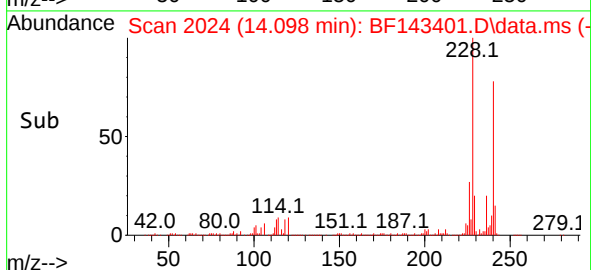
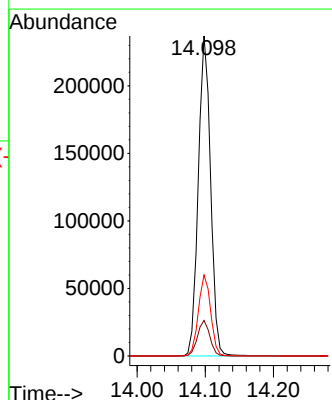
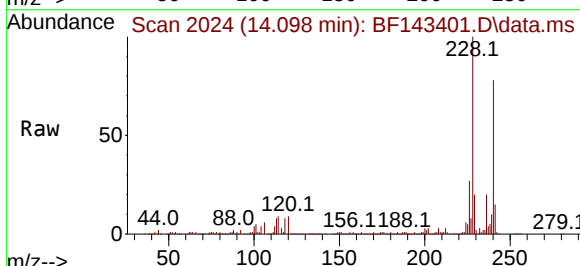
Instrument :
BNA_F
ClientSampleId :
PB169230BS

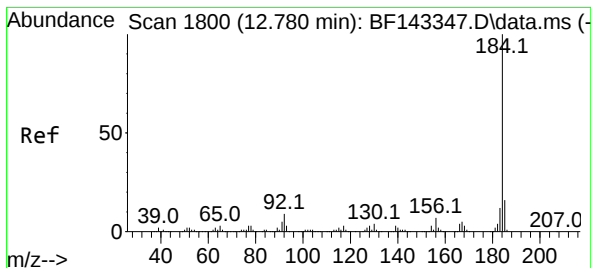
Tgt Ion:202 Resp: 978774
Ion Ratio Lower Upper
202 100
101 12.4 0.0 33.2
203 17.7 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:240 Resp: 296288
Ion Ratio Lower Upper
240 100
120 11.1 9.0 13.6
236 25.3 19.9 29.9





#77

Benzidine

Concen: 55.302 ng

RT: 12.786 min Scan# 1801

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

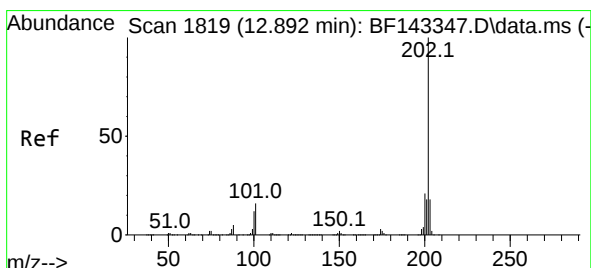
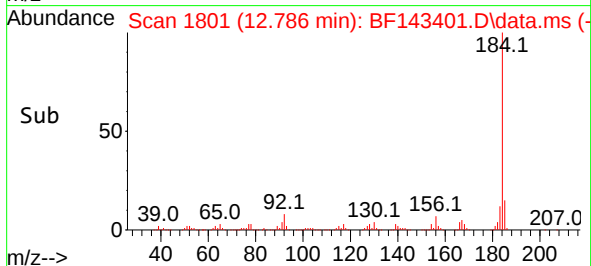
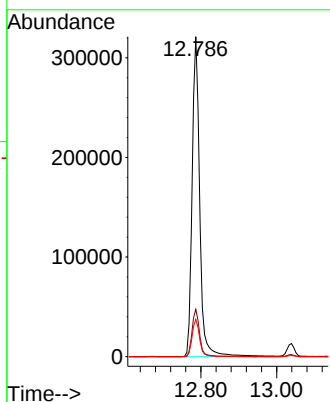
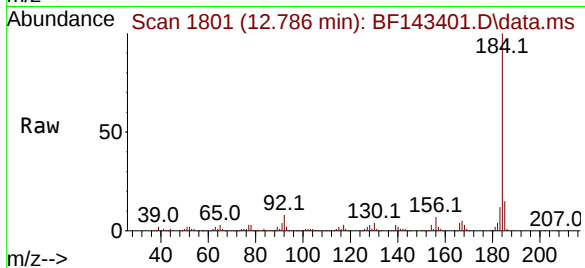
Tgt Ion:184 Resp: 447958

Ion Ratio Lower Upper

184 100

185 14.8 12.8 19.2

183 11.7 9.3 13.9



#78

Pyrene

Concen: 38.915 ng

RT: 12.898 min Scan# 1820

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

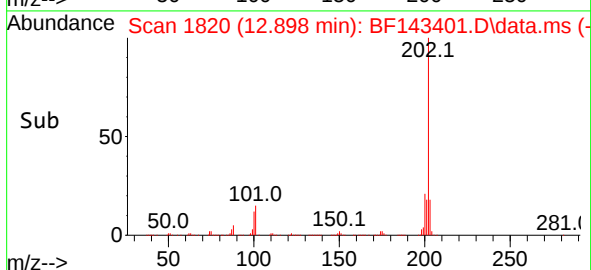
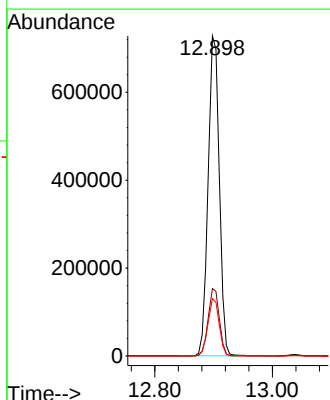
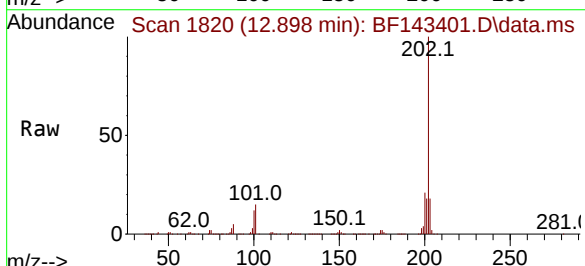
Tgt Ion:202 Resp: 967249

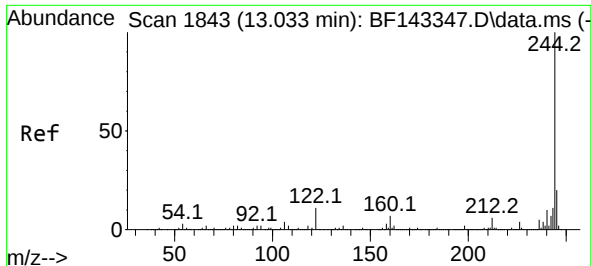
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 17.9 14.2 21.4

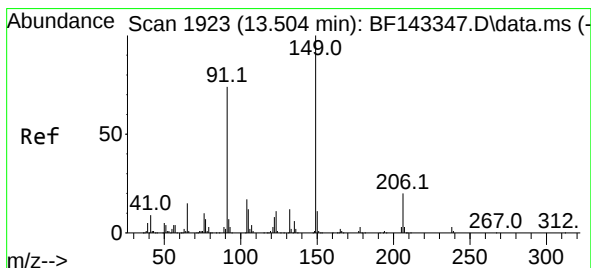
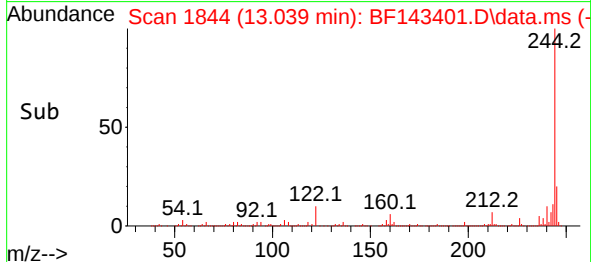
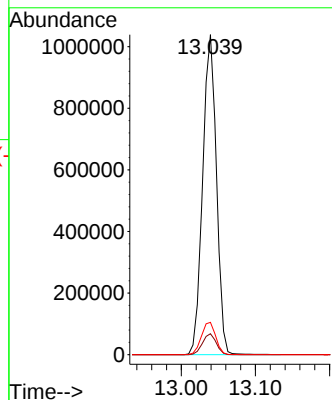
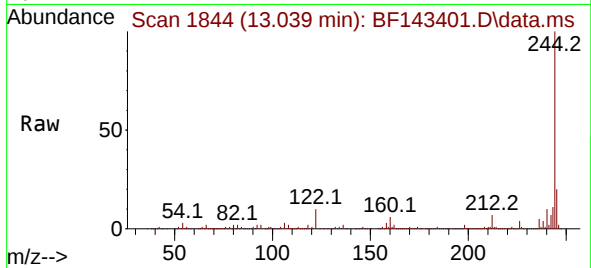




#79
 Terphenyl-d14
 Concen: 80.866 ng
 RT: 13.039 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF143401.D
 Acq: 15 Aug 2025 04:53

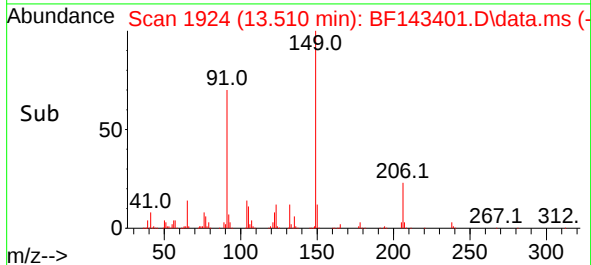
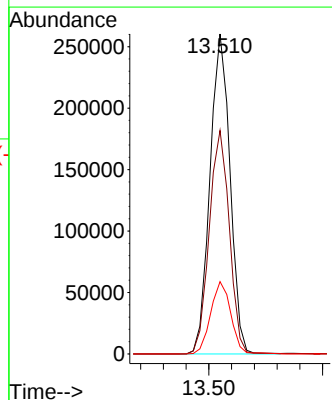
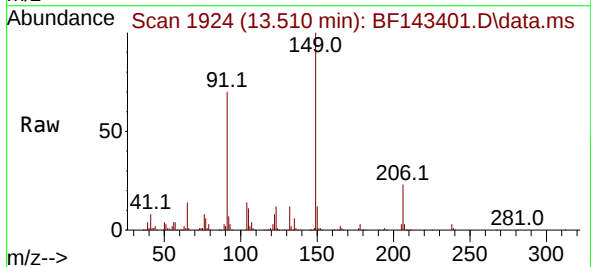
Instrument :
 BNA_F
 ClientSampleId :
 PB169230BS

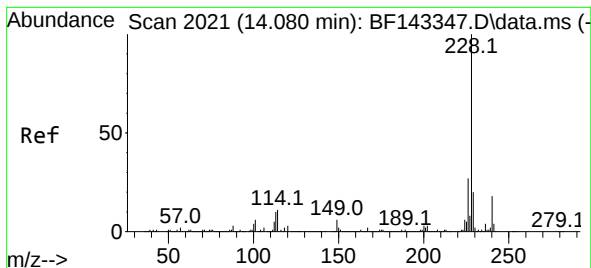
Tgt Ion:244 Resp: 1342015
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 10.1 8.9 13.3



#80
 Butylbenzylphthalate
 Concen: 63.729 ng
 RT: 13.510 min Scan# 1924
 Delta R.T. 0.006 min
 Lab File: BF143401.D
 Acq: 15 Aug 2025 04:53

Tgt Ion:149 Resp: 318826
 Ion Ratio Lower Upper
 149 100
 91 69.9 58.8 88.2
 206 22.6 16.4 24.6





#81

Benzo(a)anthracene

Concen: 41.622 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

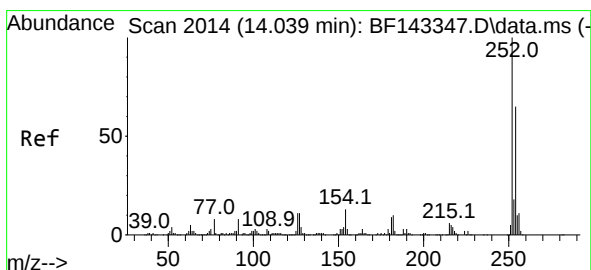
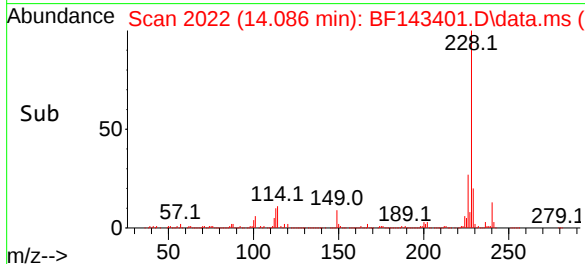
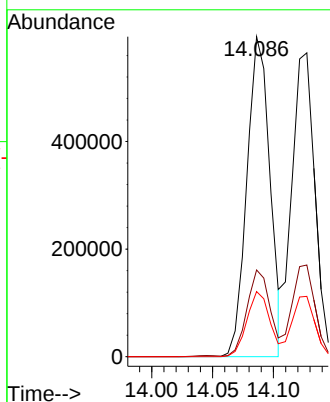
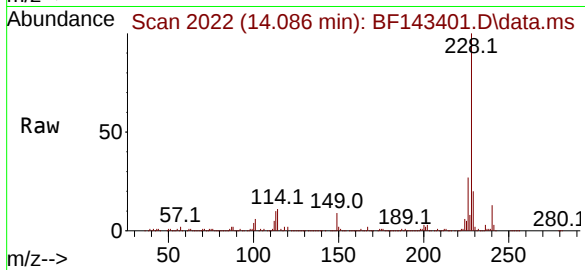
Tgt Ion:228 Resp: 783827

Ion Ratio Lower Upper

228 100

226 27.1 22.0 33.0

229 20.3 15.8 23.8



#82

3,3'-Dichlorobenzidine

Concen: 34.059 ng

RT: 14.045 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

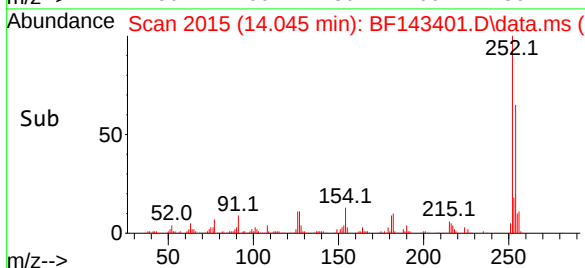
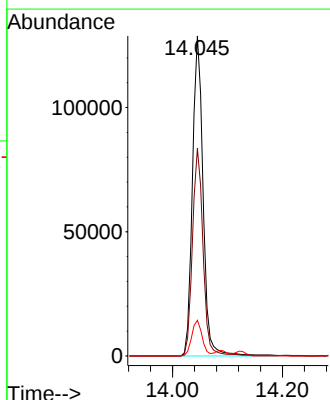
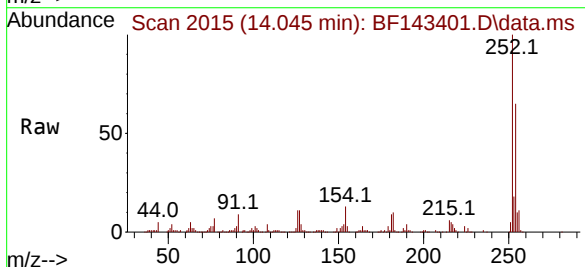
Tgt Ion:252 Resp: 173191

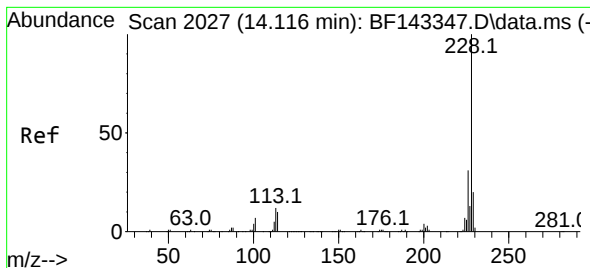
Ion Ratio Lower Upper

252 100

254 64.9 51.7 77.5

126 11.1 9.2 13.8





#83

Chrysene

Concen: 42.635 ng

RT: 14.127 min Scan# 2019

Delta R.T. 0.012 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

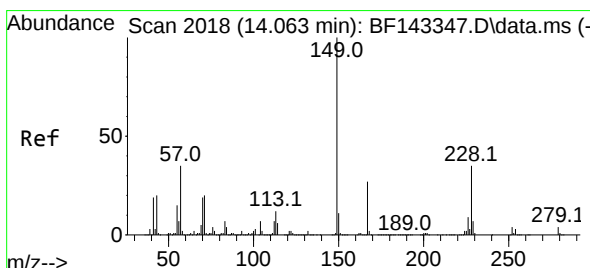
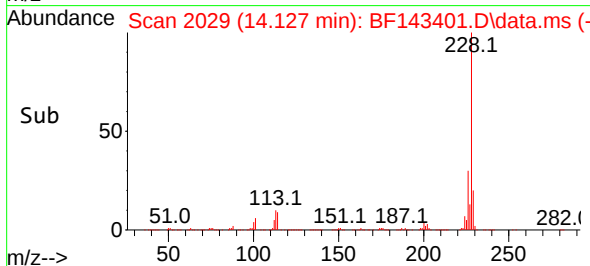
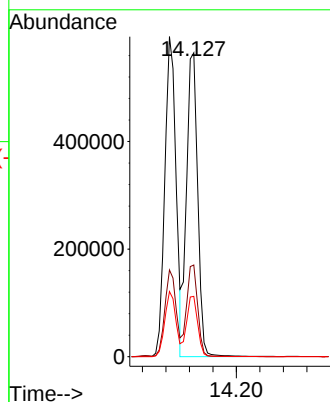
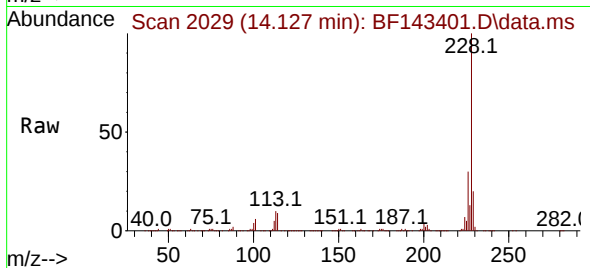
Tgt Ion:228 Resp: 748660

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 19.9 15.8 23.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 58.053 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.006 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

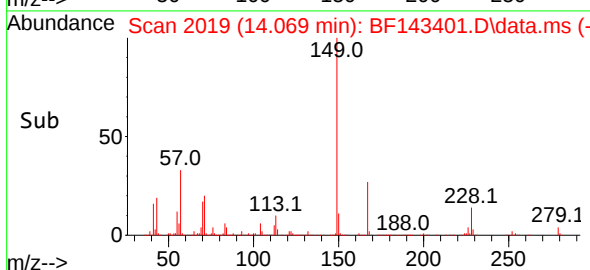
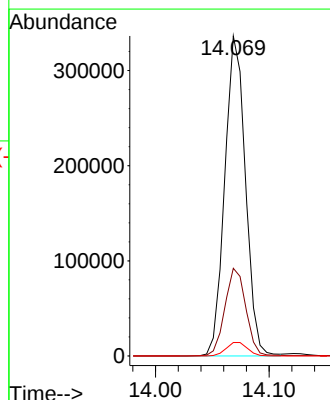
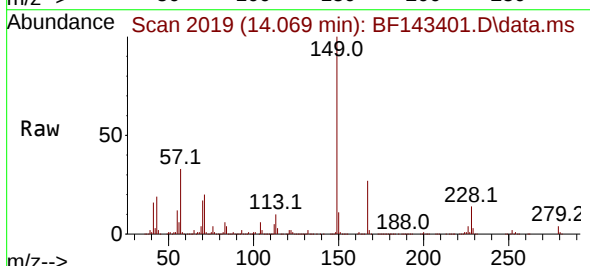
Tgt Ion:149 Resp: 425996

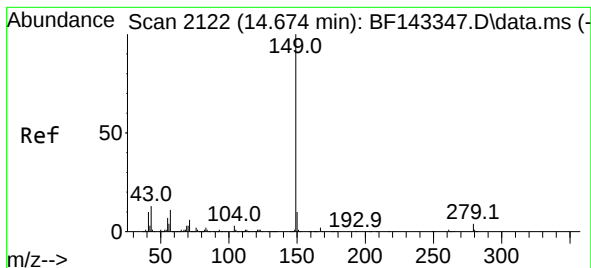
Ion Ratio Lower Upper

149 100

167 27.4 21.4 32.0

279 4.2 3.2 4.8

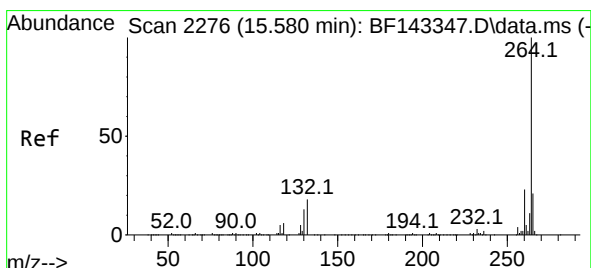
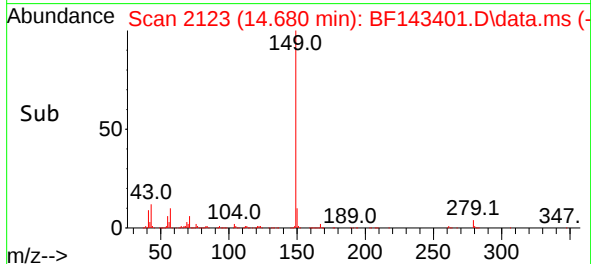
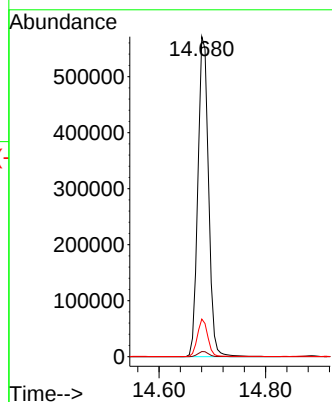
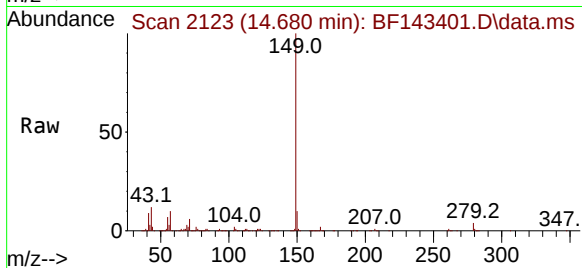




#85
Di-n-octyl phthalate
Concen: 53.926 ng
RT: 14.680 min Scan# 2122
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

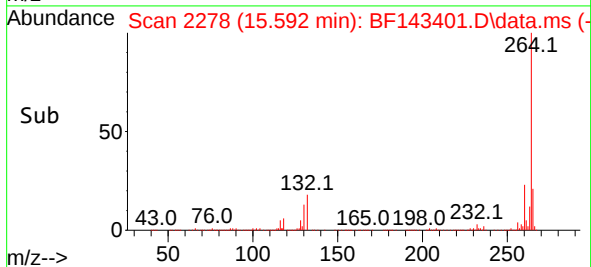
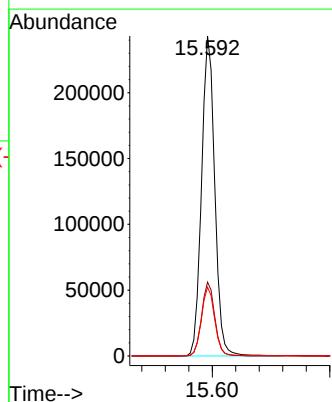
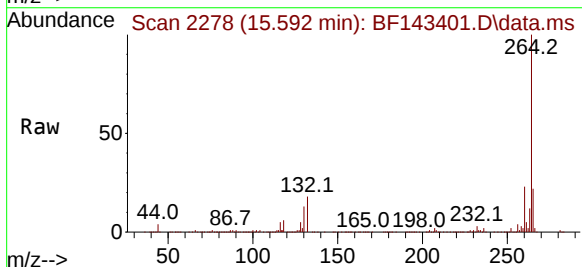
Instrument :
BNA_F
ClientSampleId :
PB169230BS

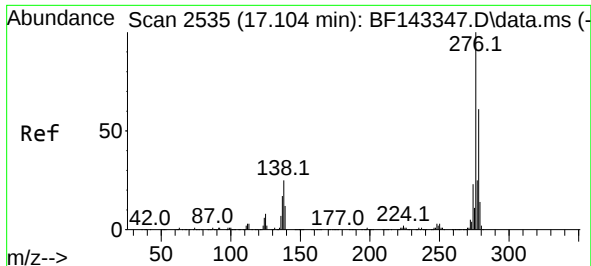
Tgt Ion:149 Resp: 787937
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.4 10.8 16.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. 0.012 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:264 Resp: 378334
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.5 17.2 25.8

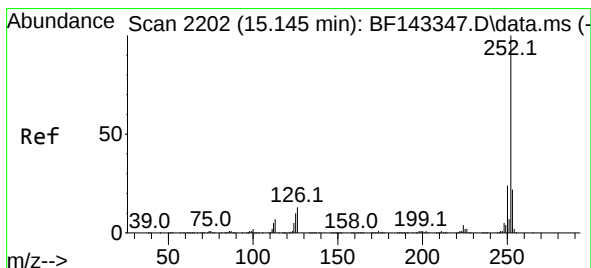
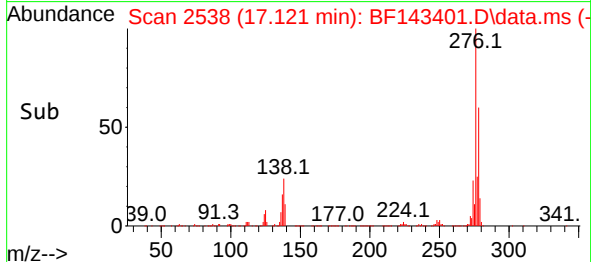
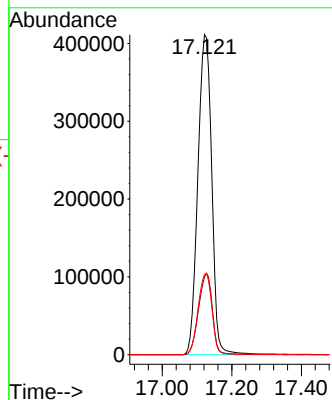
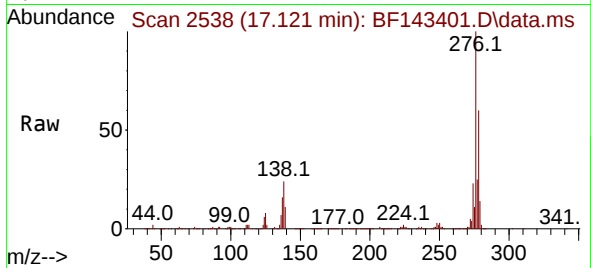




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.970 ng
RT: 17.121 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

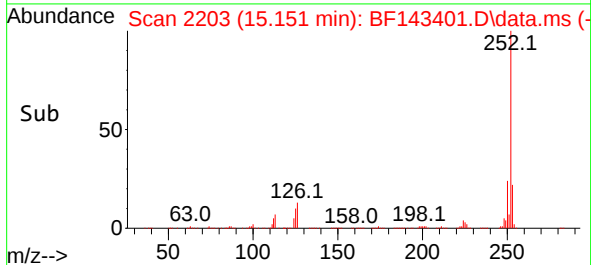
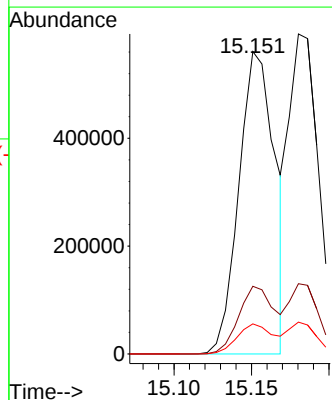
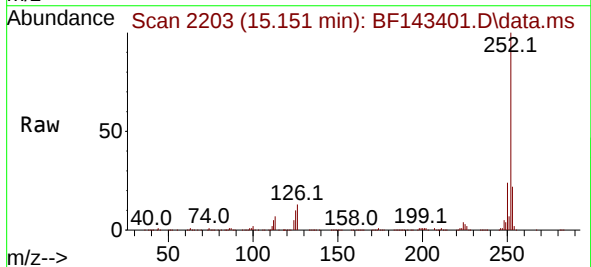
Instrument :
BNA_F
ClientSampleId :
PB169230BS

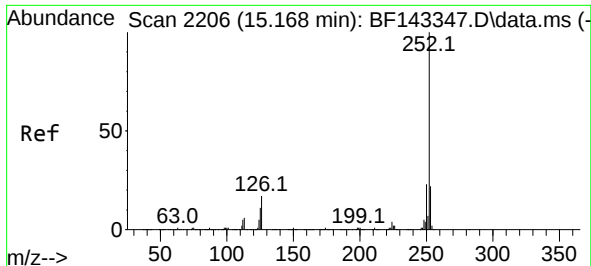
Tgt Ion:276 Resp: 1137613
Ion Ratio Lower Upper
276 100
138 25.2 21.1 31.7
277 25.3 20.2 30.2



#88
Benzo(b)fluoranthene
Concen: 43.833 ng
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:252 Resp: 907050
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 10.0 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 40.001 ng

RT: 15.180 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

Instrument :

BNA_F

ClientSampleId :

PB169230BS

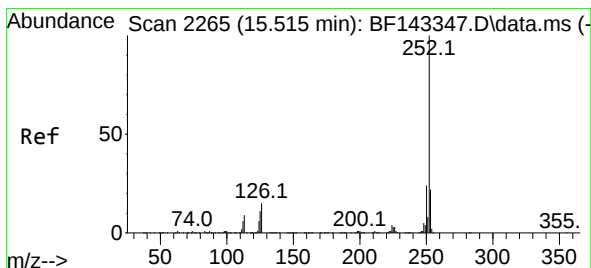
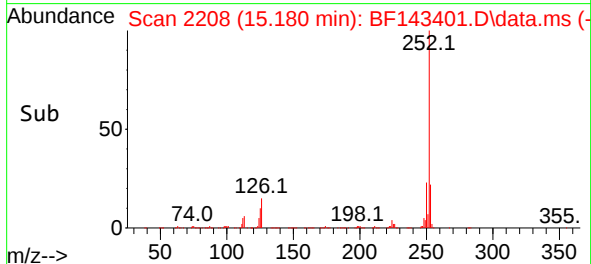
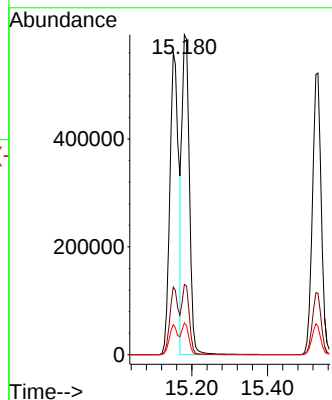
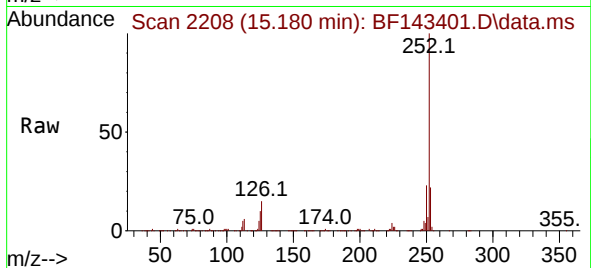
Tgt Ion:252 Resp: 804311

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

125 10.0 8.4 12.6



#90

Benzo(a)pyrene

Concen: 43.767 ng

RT: 15.533 min Scan# 2268

Delta R.T. 0.018 min

Lab File: BF143401.D

Acq: 15 Aug 2025 04:53

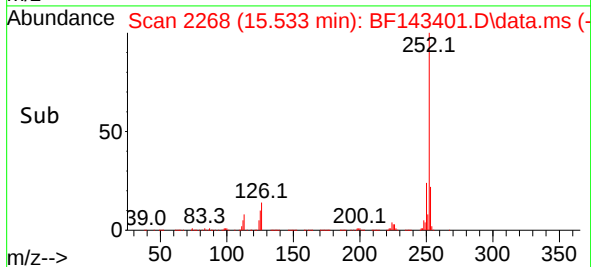
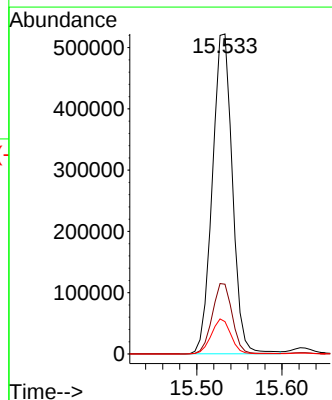
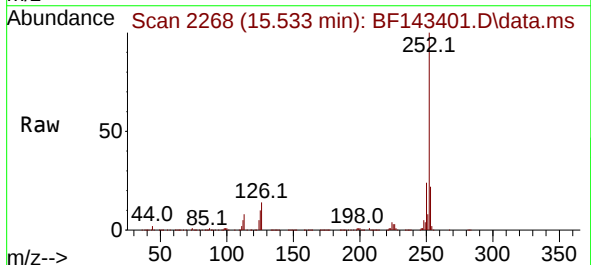
Tgt Ion:252 Resp: 853001

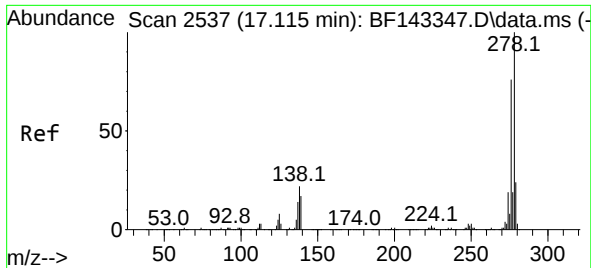
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.1 9.1 13.7

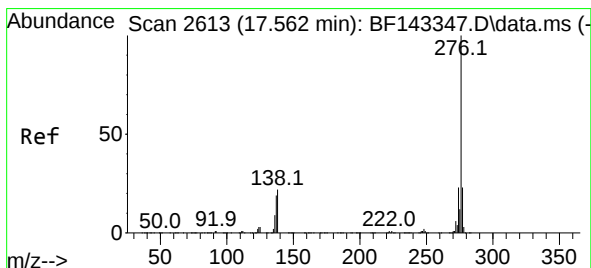
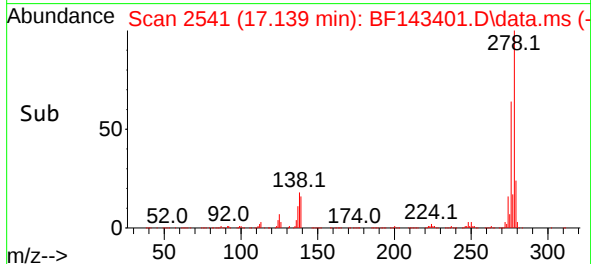
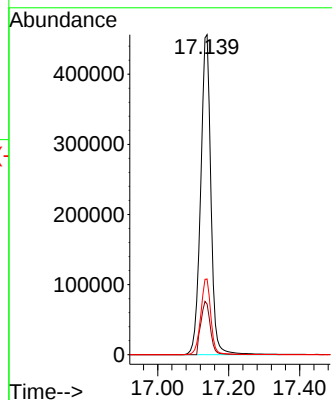
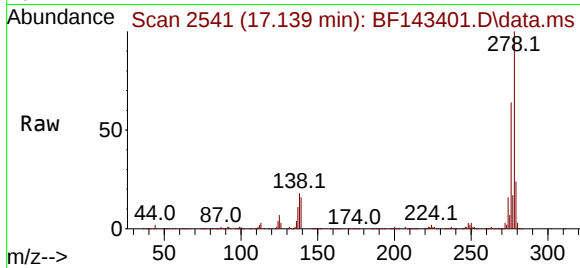




#91
Dibenzo(a,h)anthracene
Concen: 42.332 ng
RT: 17.139 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Instrument :
BNA_F
ClientSampleId :
PB169230BS

Tgt Ion:278 Resp: 916656
Ion Ratio Lower Upper
278 100
139 15.8 14.0 21.0
279 23.7 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 42.696 ng
RT: 17.586 min Scan# 2617
Delta R.T. 0.024 min
Lab File: BF143401.D
Acq: 15 Aug 2025 04:53

Tgt Ion:276 Resp: 931363
Ion Ratio Lower Upper
276 100
277 23.4 18.7 28.1
138 21.6 17.8 26.8

