

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143215.D
 Acq On : 23 Jul 2025 16:59
 Operator : RC/JU
 Sample : PB168948BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168948BS

Quant Time: Jul 23 17:24:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	126300	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	493438	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	259875	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	435477	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244161	20.000	ng	0.00
86) Perylene-d12	15.627	264	257113	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	924824	115.875	ng	0.02
7) Phenol-d6	6.598	99	1185294	117.988	ng	0.01
23) Nitrobenzene-d5	7.522	82	841774	85.036	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	351467	130.917	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1496266	78.743	ng	0.00
79) Terphenyl-d14	13.069	244	1406445	85.720	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.905	88	131336	34.777	ng	98
3) Pyridine	3.657	79	364578	37.194	ng	98
4) n-Nitrosodimethylamine	3.599	42	214548	42.394	ng	99
6) Aniline	6.628	93	482943	34.494	ng	98
8) 2-Chlorophenol	6.751	128	366569	43.817	ng	97
9) Benzaldehyde	6.510	77	240667	31.949	ng	99
10) Phenol	6.610	94	467718	42.738	ng	87
11) bis(2-Chloroethyl)ether	6.693	93	357965	42.720	ng	99
12) 1,3-Dichlorobenzene	6.910	146	385106	42.375	ng	98
13) 1,4-Dichlorobenzene	6.981	146	393214	42.964	ng	100
14) 1,2-Dichlorobenzene	7.134	146	379636	43.612	ng	99
15) Benzyl Alcohol	7.098	79	342507	44.652	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	660400	42.486	ng	98
17) 2-Methylphenol	7.210	107	306654	43.594	ng	99
18) Hexachloroethane	7.481	117	142182	44.875	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	275254	42.708	ng	99
20) 3+4-Methylphenols	7.363	107	372081	43.598	ng	# 81
22) Acetophenone	7.369	105	496665	42.515	ng	# 96
24) Nitrobenzene	7.540	77	408379	44.250	ng	99
25) Isophorone	7.781	82	762625	43.641	ng	99
26) 2-Nitrophenol	7.857	139	200859	50.147	ng	100
27) 2,4-Dimethylphenol	7.892	122	353610	43.311	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	451468	43.089	ng	99
29) 2,4-Dichlorophenol	8.098	162	308736	44.840	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	324312	43.599	ng	99
31) Naphthalene	8.269	128	1060886	43.656	ng	100
32) Benzoic acid	8.010	122	236447	51.044	ng	98
33) 4-Chloroaniline	8.304	127	197278	19.881	ng	100
34) Hexachlorobutadiene	8.387	225	203349	44.751	ng	99
35) Caprolactam	8.675	113	67413	32.400	ng	97
36) 4-Chloro-3-methylphenol	8.787	107	342197	45.725	ng	100
37) 2-Methylnaphthalene	8.957	142	655261	44.311	ng	99
38) 1-Methylnaphthalene	9.057	142	675688	44.373	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	322973	43.047	ng	99
41) Hexachlorocyclopentadiene	9.116	237	450093	92.196	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	233839	45.033	ng	100

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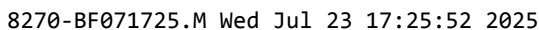
Instrument :
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	232441	44.750	ng	99
46) 1,1'-Biphenyl	9.422	154	887556	43.775	ng	100
47) 2-Chloronaphthalene	9.445	162	656145	43.736	ng	100
48) 2-Nitroaniline	9.534	65	226980	48.246	ng	97
49) Acenaphthylene	9.863	152	1106913	44.027	ng	100
50) Dimethylphthalate	9.716	163	783709	46.265	ng	100
51) 2,6-Dinitrotoluene	9.775	165	173179	50.256	ng	99
52) Acenaphthene	10.039	154	718361	48.343	ng	96
53) 3-Nitroaniline	9.945	138	131906	32.726	ng	100
54) 2,4-Dinitrophenol	10.051	184	176857	110.471	ng	# 1
55) Dibenzofuran	10.210	168	962852	43.643	ng	100
56) 4-Nitrophenol	10.104	139	282579	93.885	ng	99
57) 2,4-Dinitrotoluene	10.181	165	232149	53.697	ng	95
58) Fluorene	10.551	166	729587	44.062	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	186237	43.284	ng	99
60) Diethylphthalate	10.422	149	780972	46.645	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	372079	45.128	ng	99
62) 4-Nitroaniline	10.563	138	173011	50.083	ng	98
63) Azobenzene	10.698	77	780671	44.738	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	119668	51.921	ng	95
66) n-Nitrosodiphenylamine	10.657	169	664504	43.334	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	231837	44.672	ng	98
68) Hexachlorobenzene	11.104	284	239145	44.087	ng	97
69) Atrazine	11.180	200	210616	49.820	ng	98
70) Pentachlorophenol	11.292	266	200160	62.747	ng	98
71) Phenanthrene	11.516	178	1013911	43.850	ng	99
72) Anthracene	11.563	178	1036500	43.952	ng	99
73) Carbazole	11.716	167	918922	44.625	ng	99
74) Di-n-butylphthalate	12.039	149	1146896	49.223	ng	99
75) Fluoranthene	12.698	202	984952	46.409	ng	99
77) Benzidine	12.810	184	476629	50.668	ng	98
78) Pyrene	12.927	202	979588	47.010	ng	100
80) Butylbenzylphthalate	13.539	149	379300	59.443	ng	98
81) Benzo(a)anthracene	14.116	228	748619	45.797	ng	100
82) 3,3'-Dichlorobenzidine	14.069	252	137313	25.204	ng	99
83) Chrysene	14.151	228	665571	45.286	ng	99
84) Bis(2-ethylhexyl)phtha...	14.098	149	495206	51.274	ng	99
85) Di-n-octyl phthalate	14.716	149	817940	46.722	ng	99
87) Indeno(1,2,3-cd)pyrene	17.168	276	836182	46.122	ng	99
88) Benzo(b)fluoranthene	15.180	252	713703	45.438	ng	100
89) Benzo(k)fluoranthene	15.216	252	655222	46.747	ng	99
90) Benzo(a)pyrene	15.563	252	668195	46.172	ng	100
91) Dibenzo(a,h)anthracene	17.192	278	682369	46.242	ng	98
92) Benzo(g,h,i)perylene	17.639	276	677636	47.472	ng	99

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

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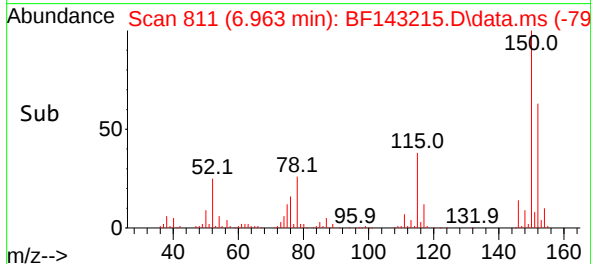
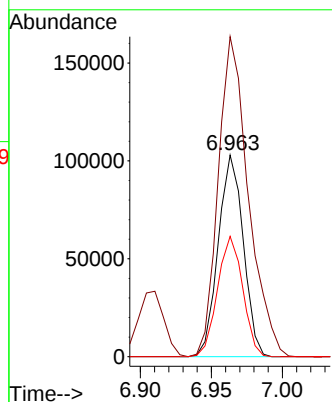
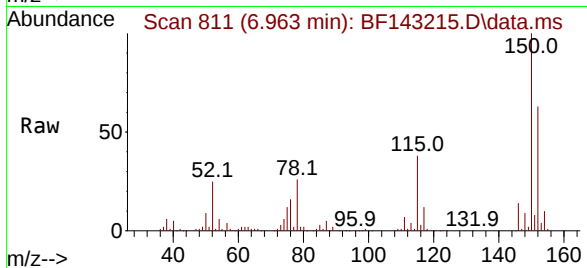




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: BF143215.D
 Acq: 23 Jul 2025 16:59

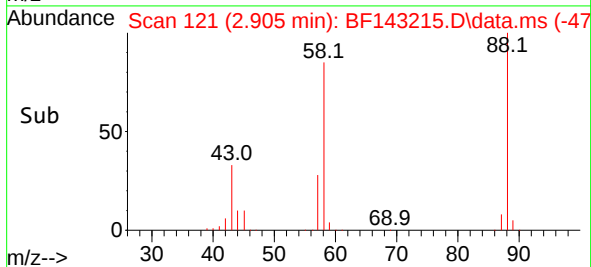
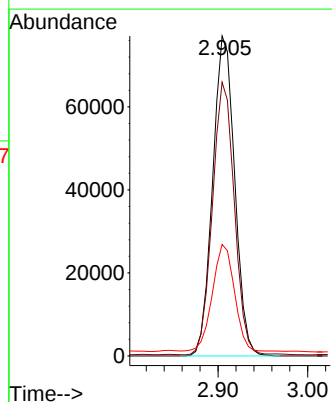
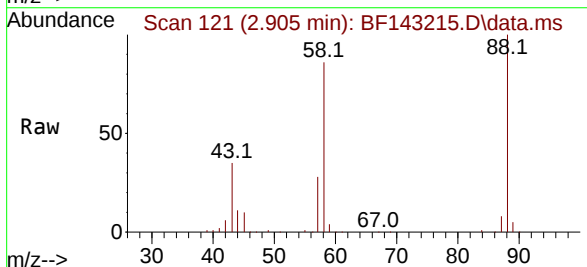
Instrument :
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 PB168948BS

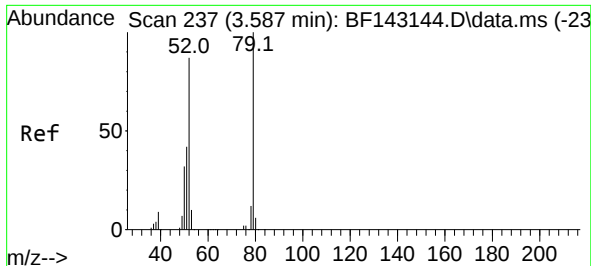
Tgt Ion:152 Resp: 126300
 Ion Ratio Lower Upper
 152 100
 150 158.7 128.2 192.4
 115 59.6 47.9 71.9



#2
 1,4-Dioxane
 Concen: 34.777 ng
 RT: 2.905 min Scan# 121
 Delta R.T. 0.082 min
 Lab File: BF143215.D
 Acq: 23 Jul 2025 16:59

Tgt Ion: 88 Resp: 131336
 Ion Ratio Lower Upper
 88 100
 58 84.9 70.2 105.2
 43 33.5 27.1 40.7





#3

Pyridine

Concen: 37.194 ng

RT: 3.657 min Scan# 24

Delta R.T. 0.071 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

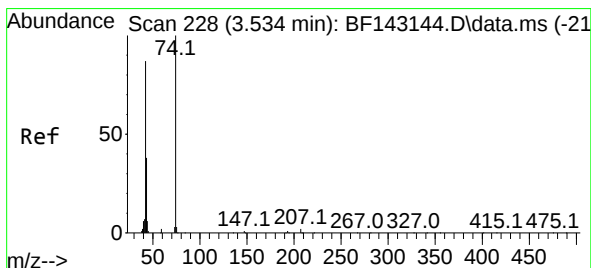
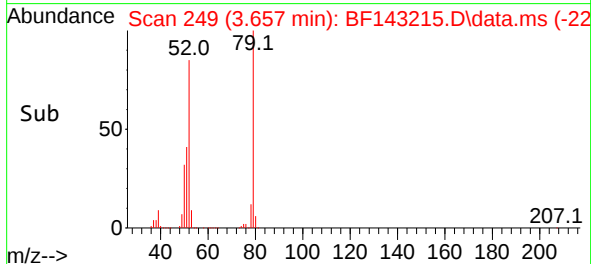
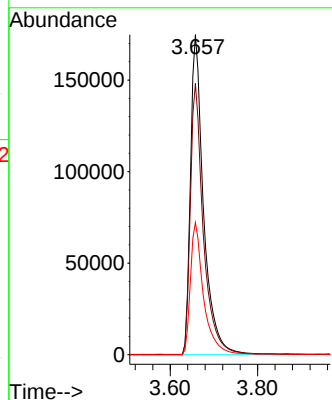
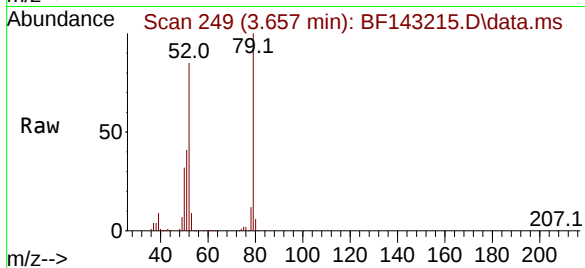
Tgt Ion: 79 Resp: 364578

Ion Ratio Lower Upper

79 100

52 84.8 69.4 104.2

51 41.3 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 42.394 ng

RT: 3.599 min Scan# 239

Delta R.T. 0.065 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

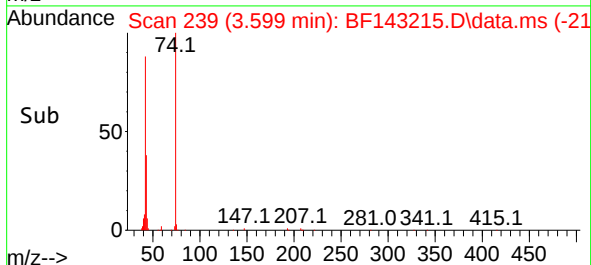
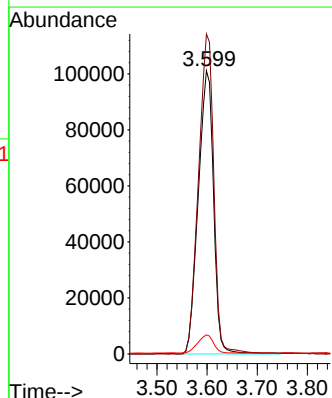
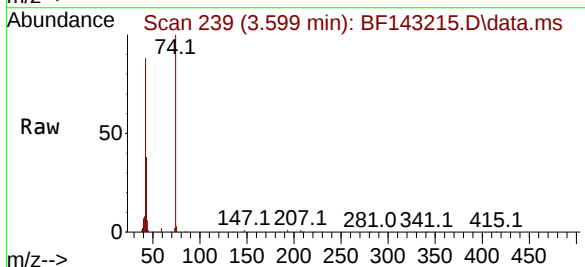
Tgt Ion: 42 Resp: 214548

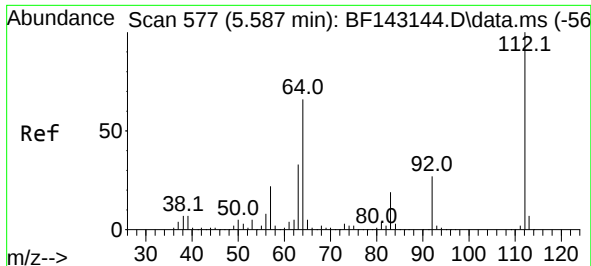
Ion Ratio Lower Upper

42 100

74 113.0 91.7 137.5

44 6.7 5.6 8.4

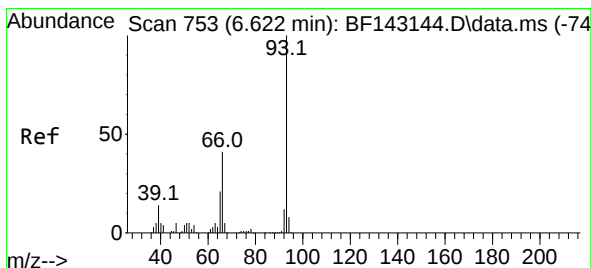
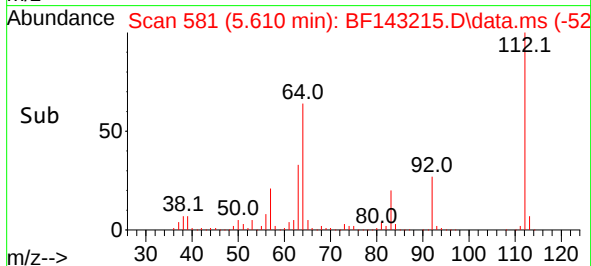
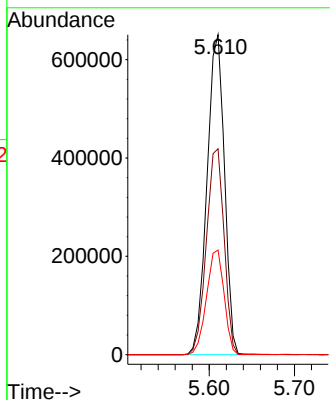
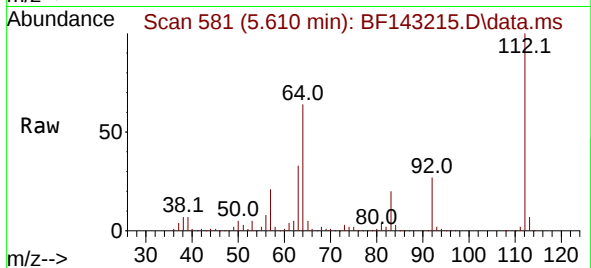




#5
2-Fluorophenol
Concen: 115.875 ng
RT: 5.610 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

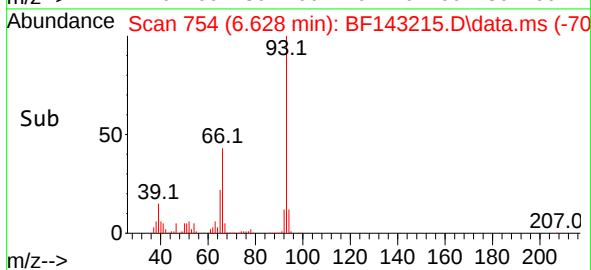
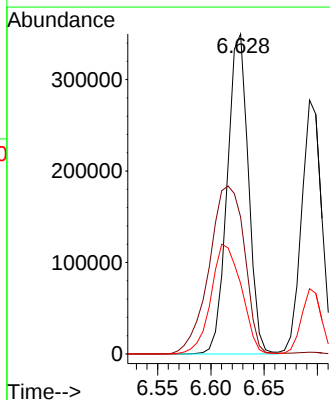
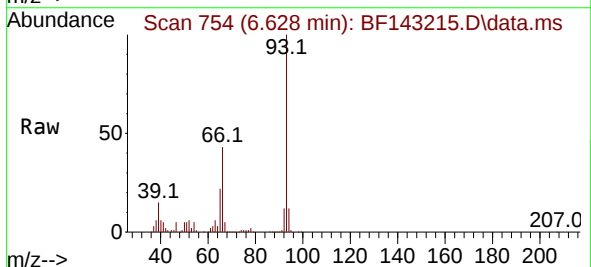
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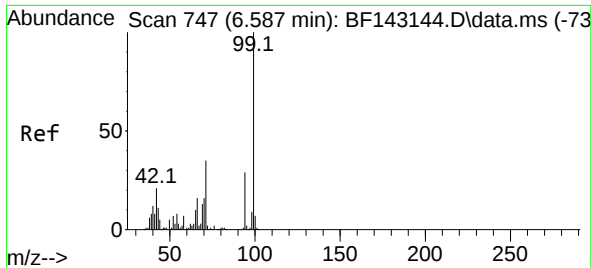
Tgt Ion:112 Resp: 924824
Ion Ratio Lower Upper
112 100
64 64.3 53.1 79.7
63 32.7 26.6 40.0



#6
Aniline
Concen: 34.494 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

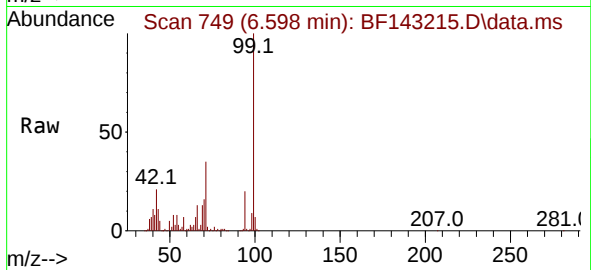
Tgt Ion: 93 Resp: 482943
Ion Ratio Lower Upper
93 100
66 42.8 33.2 49.8
65 22.1 16.9 25.3





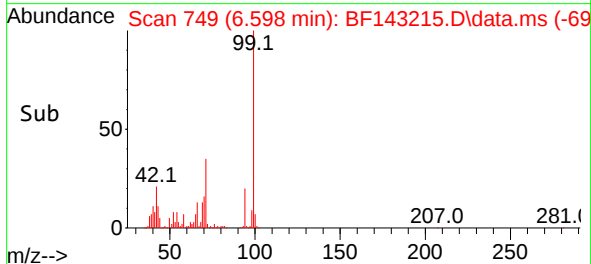
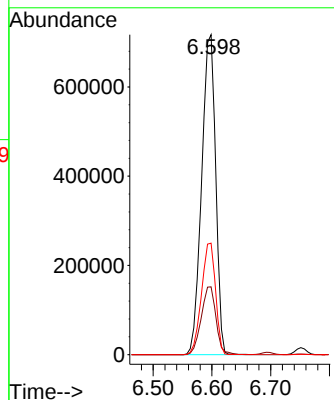
#7
Phenol-d6
Concen: 117.988 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.012 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

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ClientSampleId :
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Tgt Ion: 99 Resp: 1185294

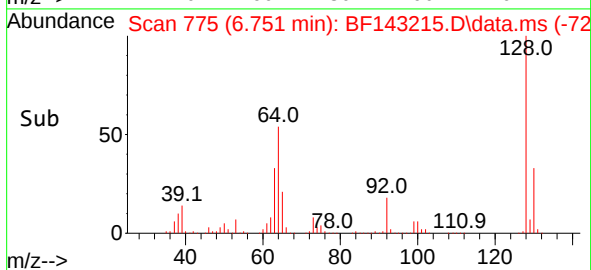
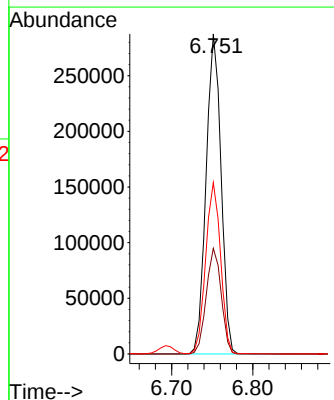
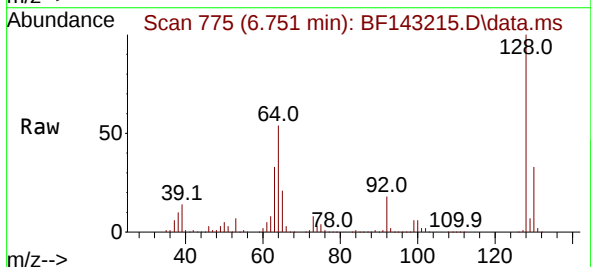
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.6
71	34.8	27.7	41.5



#8
2-Chlorophenol
Concen: 43.817 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143215.D
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Tgt Ion: 128 Resp: 366569

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.3	52.3
64	53.5	35.9	75.9

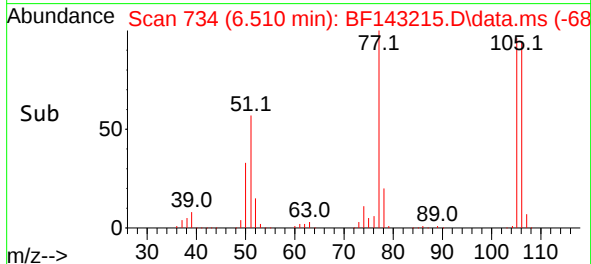
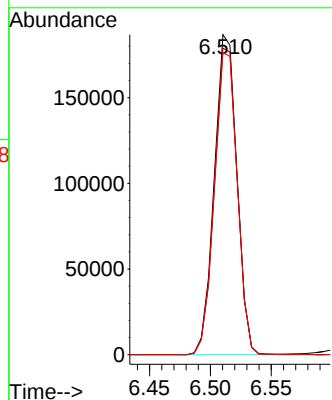
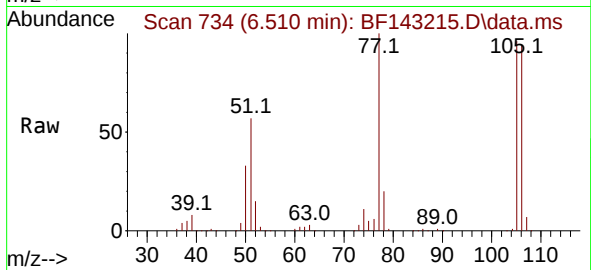




#9
Benzaldehyde
Concen: 31.949 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

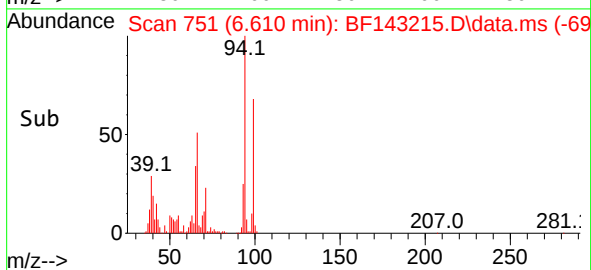
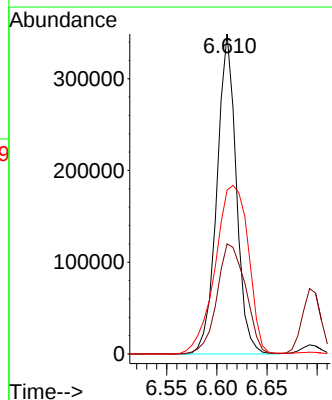
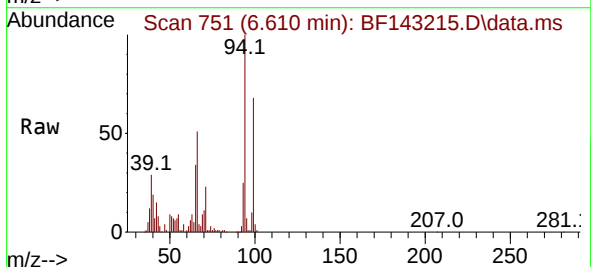
Instrument :
BNA_F
ClientSampleId :
PB168948BS

Tgt Ion: 77 Resp: 240667
Ion Ratio Lower Upper
77 100
105 95.8 76.8 116.8
106 94.3 74.4 114.4



#10
Phenol
Concen: 42.738 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion: 94 Resp: 467718
Ion Ratio Lower Upper
94 100
65 34.4 10.0 50.0
66 51.2 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 42.720 ng

RT: 6.693 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

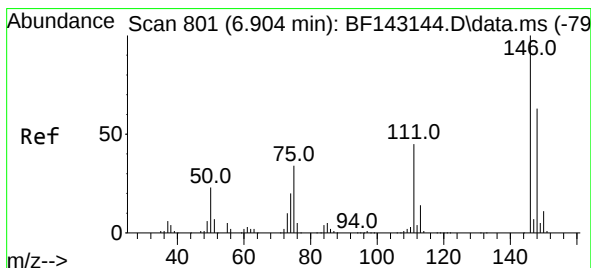
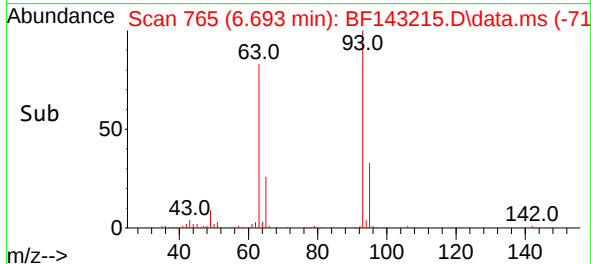
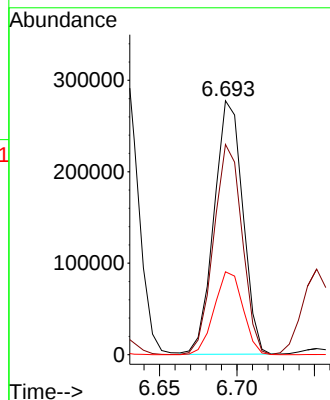
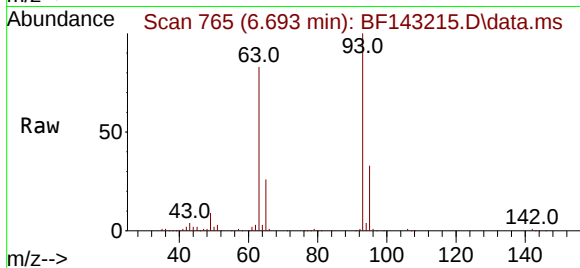
Tgt Ion: 93 Resp: 357965

Ion Ratio Lower Upper

93 100

63 82.8 63.4 103.4

95 32.7 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 42.375 ng

RT: 6.910 min Scan# 802

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

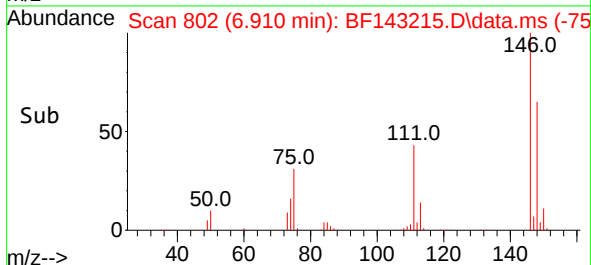
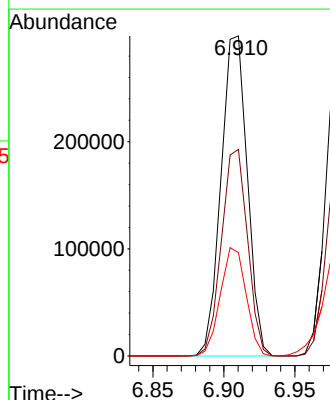
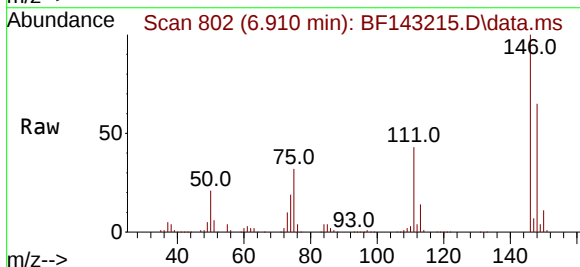
Tgt Ion: 146 Resp: 385106

Ion Ratio Lower Upper

146 100

148 64.5 50.6 76.0

75 32.3 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 42.964 ng

RT: 6.981 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

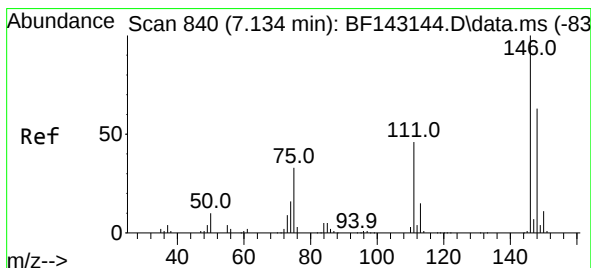
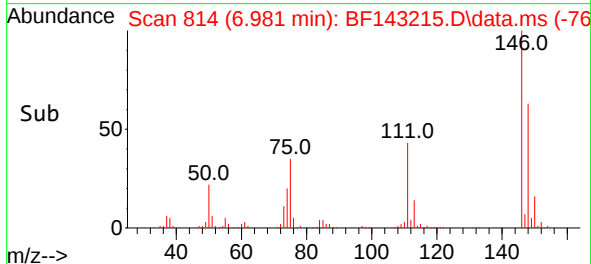
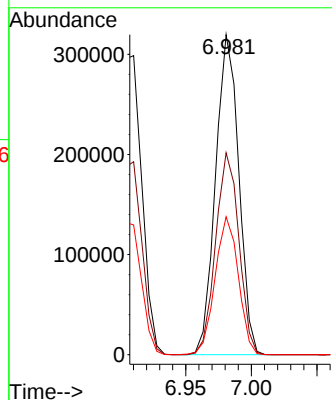
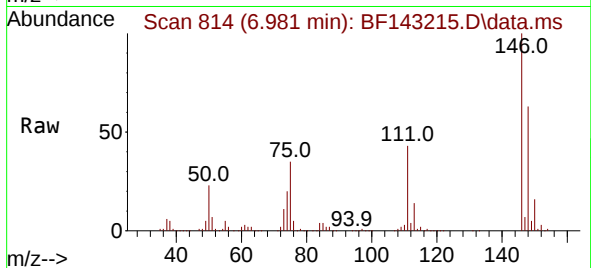
Tgt Ion:146 Resp: 393214

Ion Ratio Lower Upper

146 100

148 63.1 50.3 75.5

111 43.1 34.4 51.6



#14

1,2-Dichlorobenzene

Concen: 43.612 ng

RT: 7.134 min Scan# 840

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

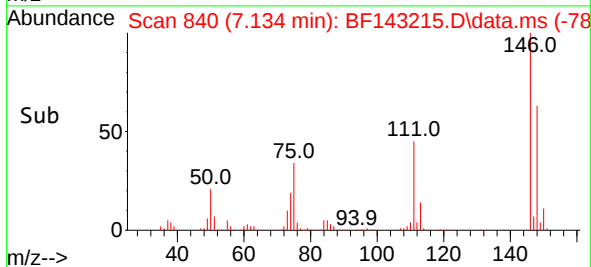
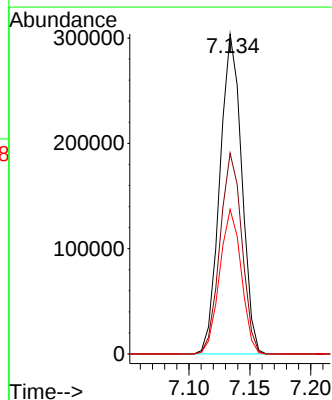
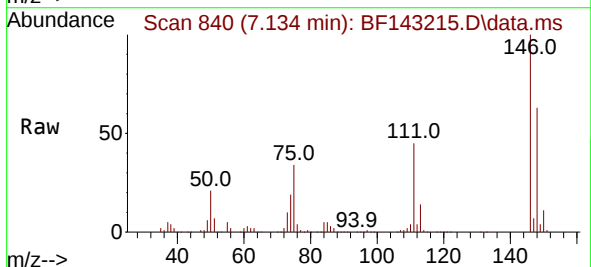
Tgt Ion:146 Resp: 379636

Ion Ratio Lower Upper

146 100

148 62.7 50.7 76.1

111 45.2 36.6 54.8

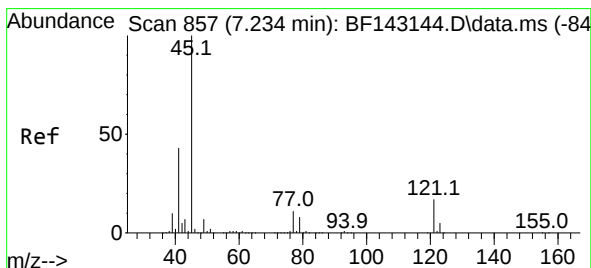
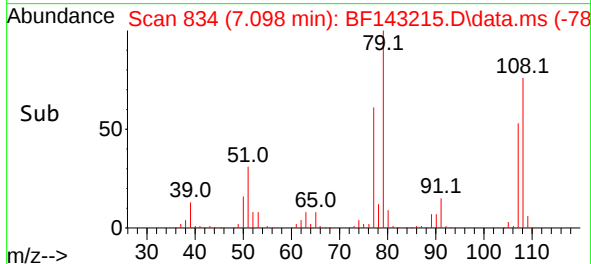
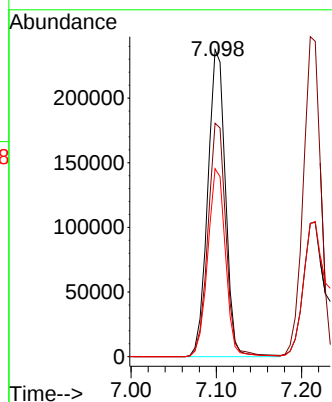
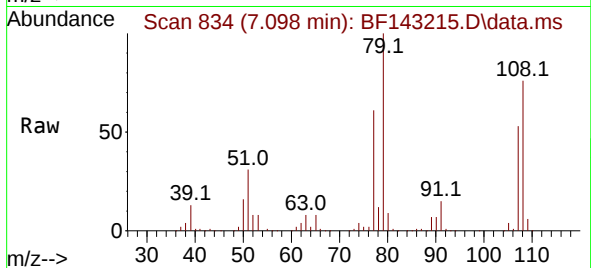




#15
Benzyl Alcohol
Concen: 44.652 ng
RT: 7.098 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

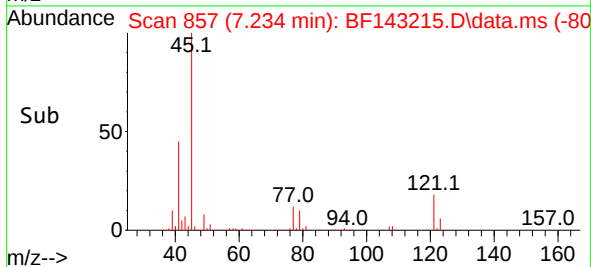
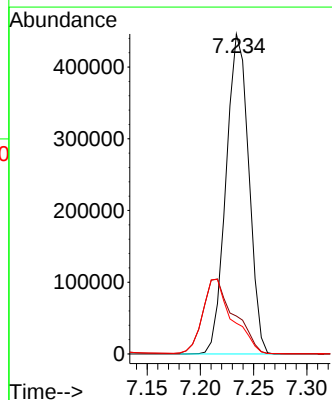
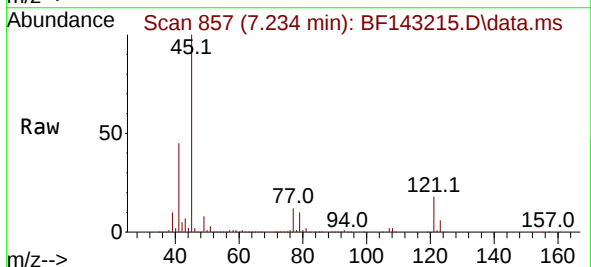
Instrument :
BNA_F
ClientSampleId :
PB168948BS

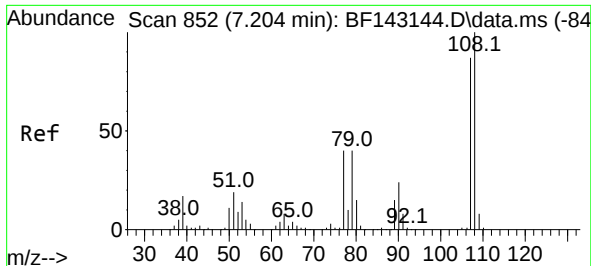
Tgt Ion: 79 Resp: 342507
Ion Ratio Lower Upper
79 100
108 76.1 61.1 91.7
77 61.2 48.9 73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.486 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion: 45 Resp: 660400
Ion Ratio Lower Upper
45 100
77 11.8 0.0 31.2
79 9.6 0.0 28.5

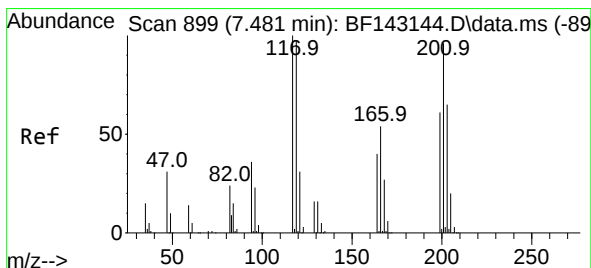
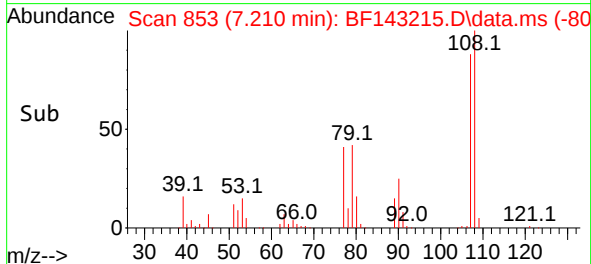
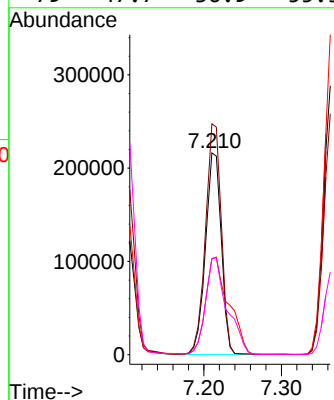
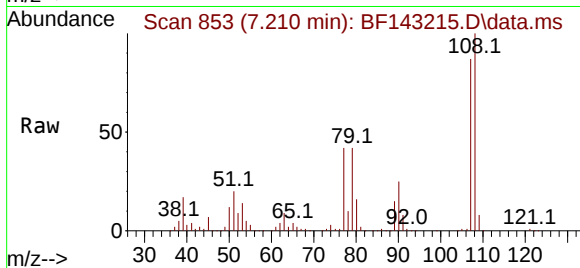




#17
2-Methylphenol
Concen: 43.594 ng
RT: 7.210 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

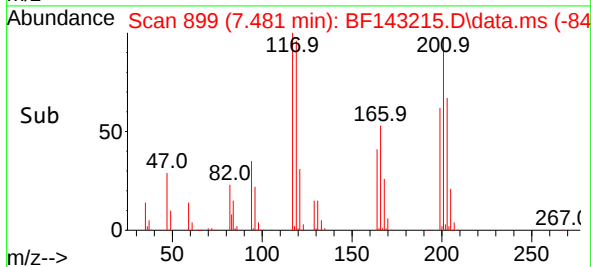
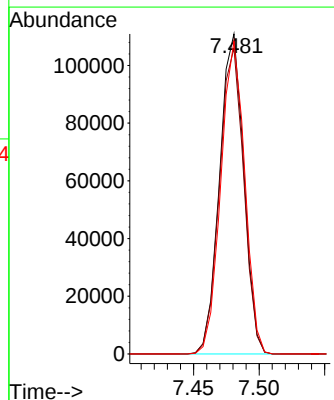
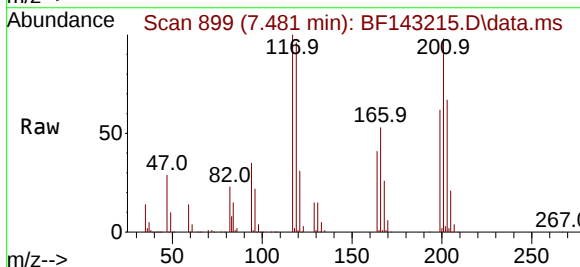
Instrument :
BNA_F
ClientSampleId :
PB168948BS

Tgt Ion:	107	Resp:	306654
Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.8	137.6
77	47.5	37.0	55.6
79	47.7	36.9	55.3



#18
Hexachloroethane
Concen: 44.875 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:	117	Resp:	142182
Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.8	116.8
201	97.7	77.0	115.4

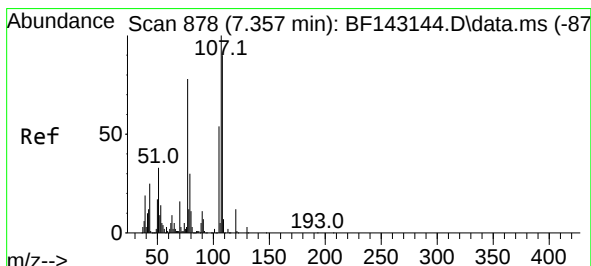
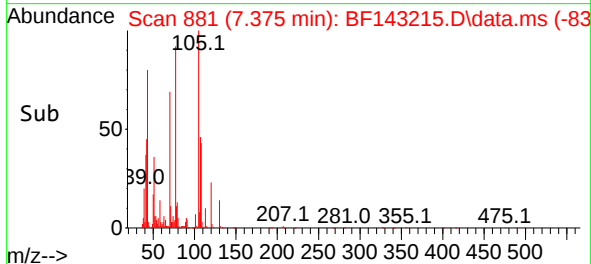
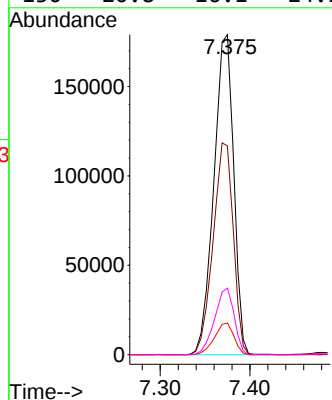
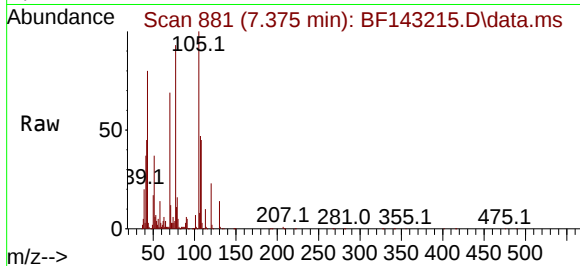




#19
n-Nitroso-di-n-propylamine
Concen: 42.708 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

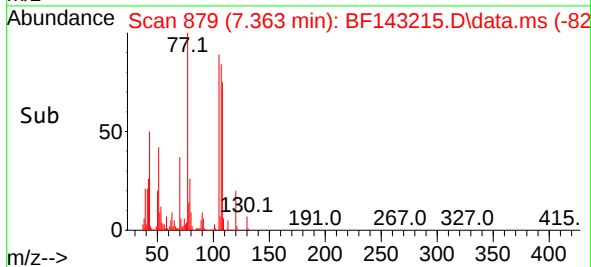
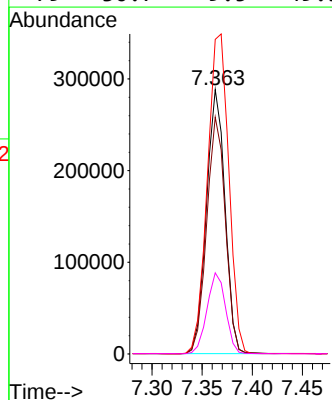
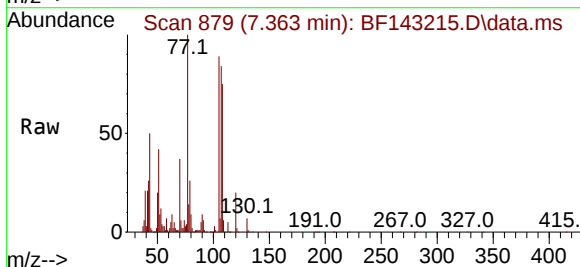
Instrument :
BNA_F
ClientSampleId :
PB168948BS

Tgt Ion:	70	Resp:	275254
Ion	Ratio	Lower	Upper
70	100		
42	65.3	52.5	78.7
101	9.9	7.6	11.4
130	20.8	16.1	24.1



#20
3+4-Methylphenols
Concen: 43.598 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:	107	Resp:	372081
Ion	Ratio	Lower	Upper
107	100		
108	89.6	70.0	110.0
77	119.0	57.8	97.8#
79	30.7	9.5	49.5

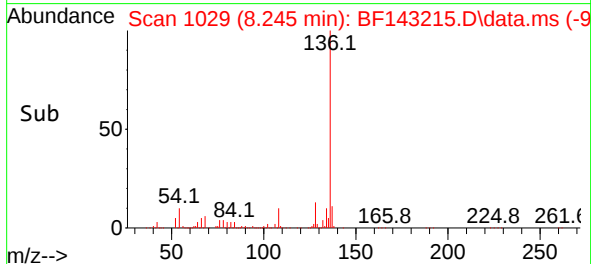
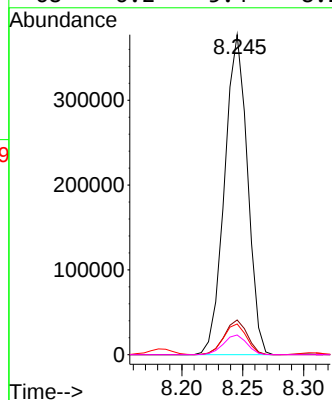
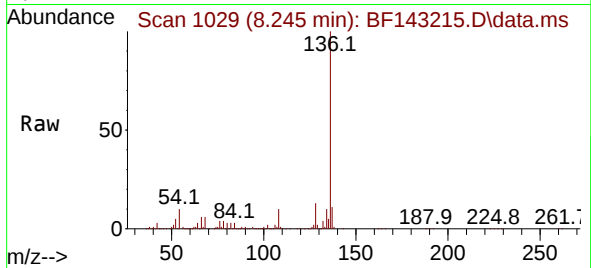




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

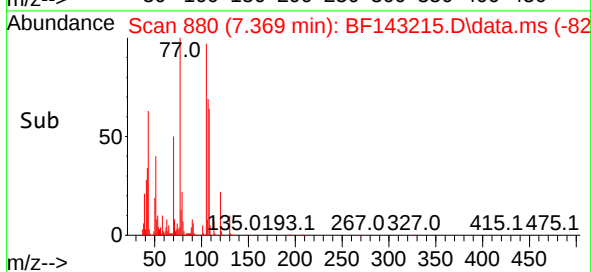
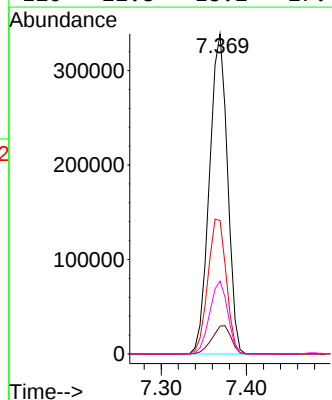
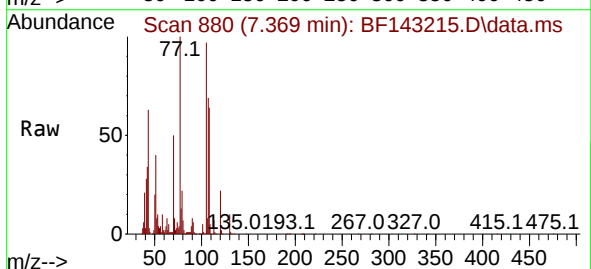
Instrument :
BNA_F
ClientSampleId :
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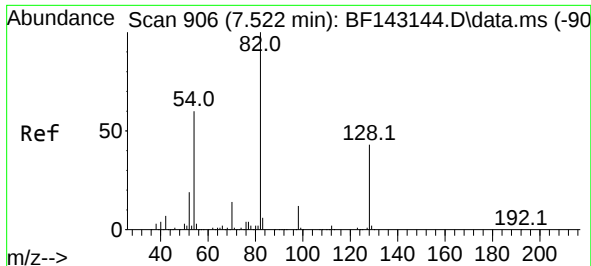
Tgt Ion:	136	Resp:	493438
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	13.0
54	9.6	8.2	12.2
68	6.2	5.4	8.2



#22
Acetophenone
Concen: 42.515 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:	105	Resp:	496665
Ion Ratio	Lower	Upper	
105	100		
71	8.7	5.8	8.6#
51	41.7	30.2	45.2
120	22.8	18.2	27.4

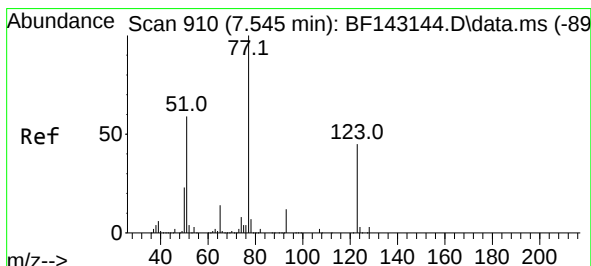
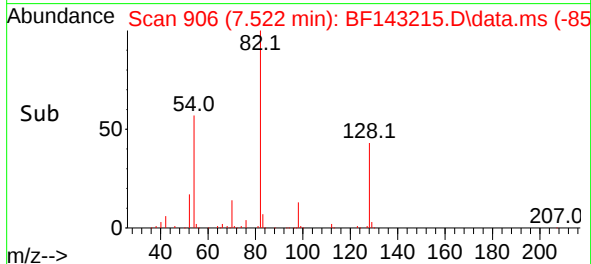
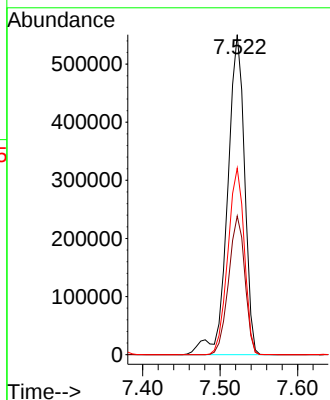
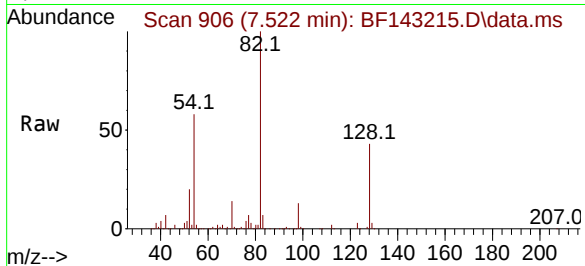




#23
Nitrobenzene-d5
Concen: 85.036 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

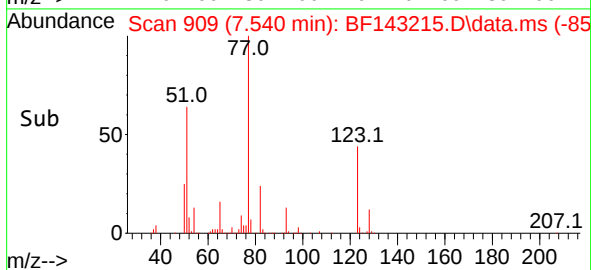
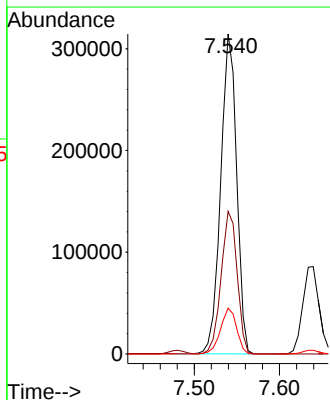
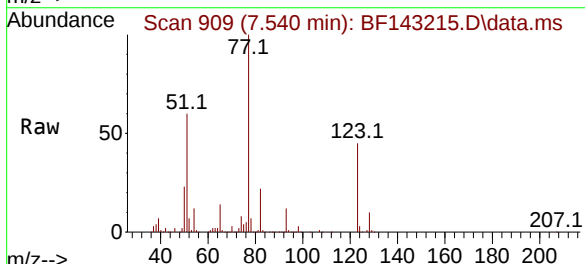
Instrument :
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ClientSampleId :
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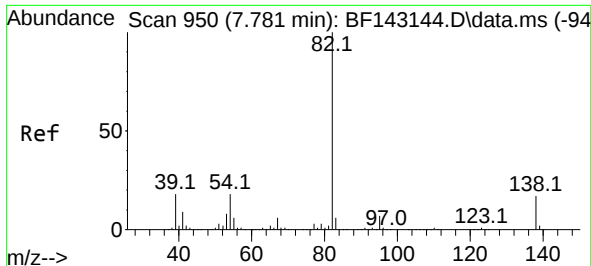
Tgt Ion: 82 Resp: 841774
Ion Ratio Lower Upper
82 100
128 43.4 33.6 50.4
54 58.3 47.1 70.7



#24
Nitrobenzene
Concen: 44.250 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion: 77 Resp: 408379
Ion Ratio Lower Upper
77 100
123 44.6 36.1 54.1
65 14.3 11.4 17.2

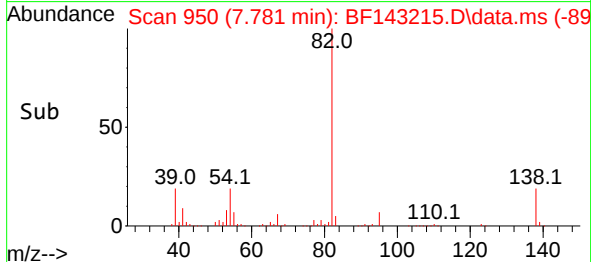
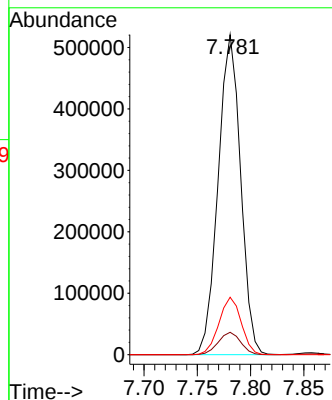
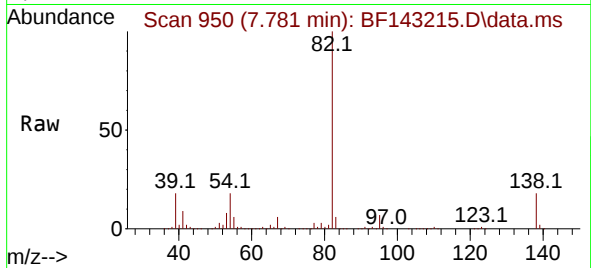




#25
Isophorone
Concen: 43.641 ng
RT: 7.781 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

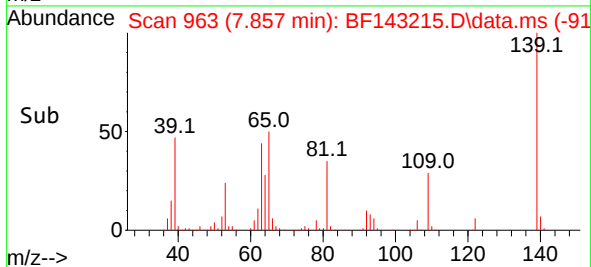
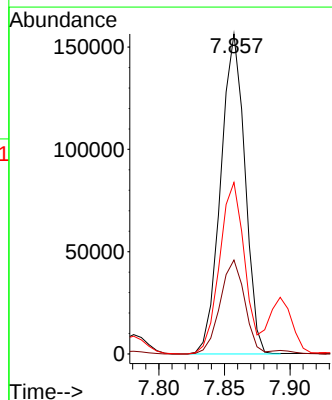
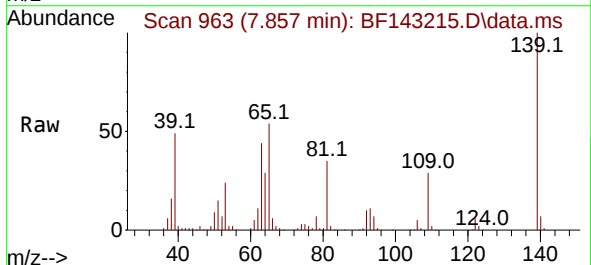
Instrument :
BNA_F
ClientSampleId :
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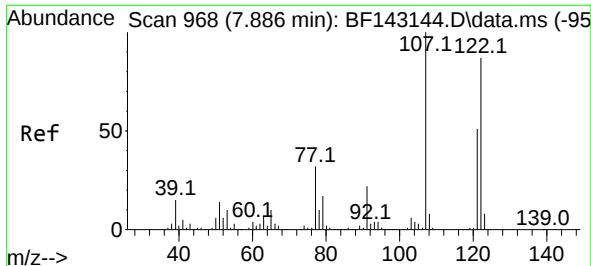
Tgt Ion: 82 Resp: 762625
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.9 13.8 20.8



#26
2-Nitrophenol
Concen: 50.147 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion: 139 Resp: 200859
Ion Ratio Lower Upper
139 100
109 29.4 23.6 35.4
65 53.6 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 43.311 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

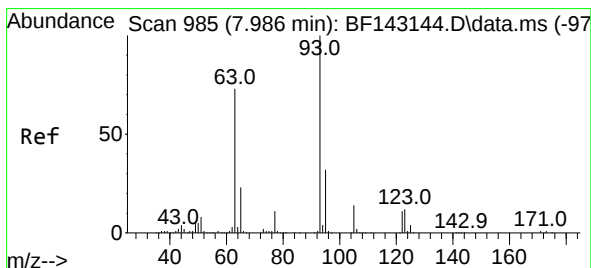
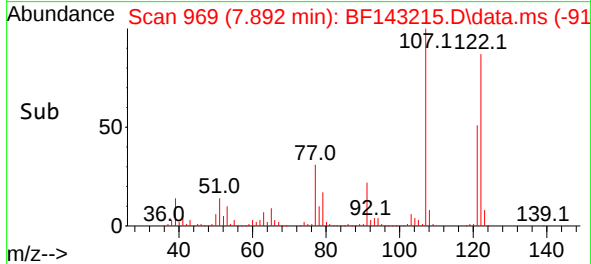
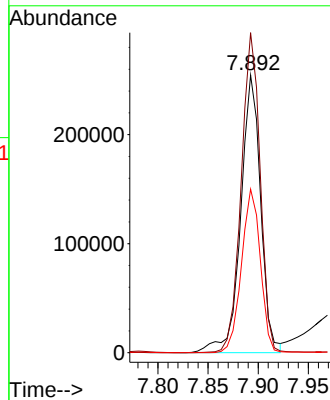
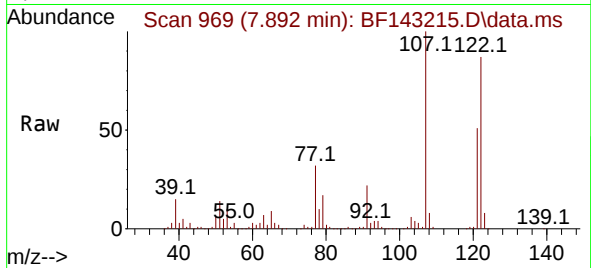
Tgt Ion:122 Resp: 353610

Ion Ratio Lower Upper

122 100

107 115.3 91.8 137.6

121 58.9 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.089 ng

RT: 7.987 min Scan# 985

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

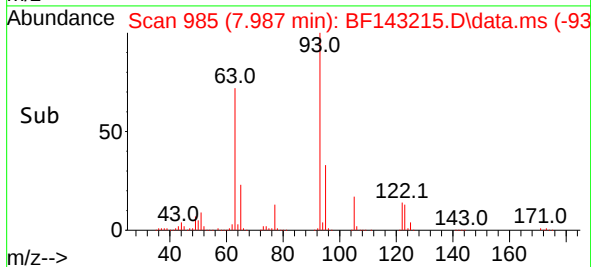
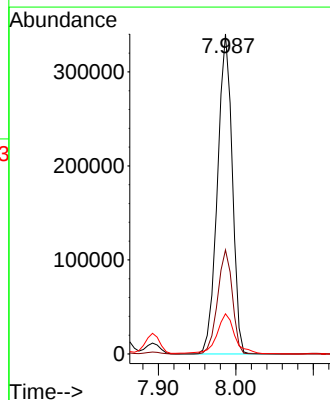
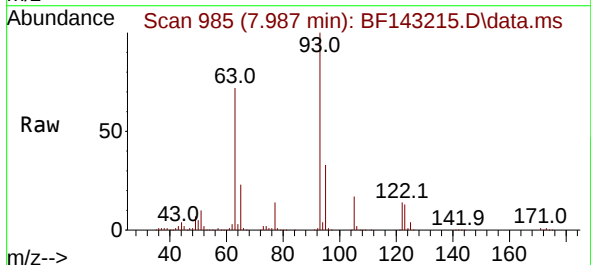
Tgt Ion: 93 Resp: 451468

Ion Ratio Lower Upper

93 100

95 32.5 25.8 38.6

123 12.6 9.7 14.5

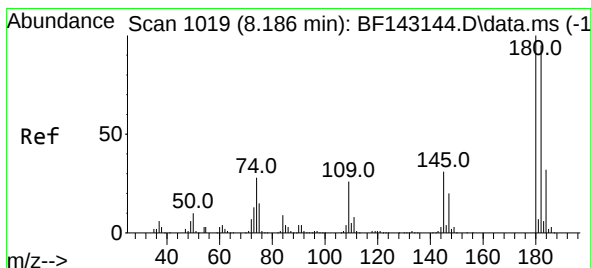
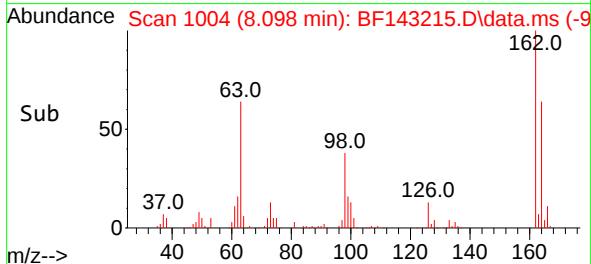
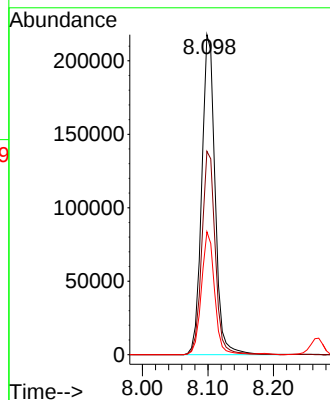
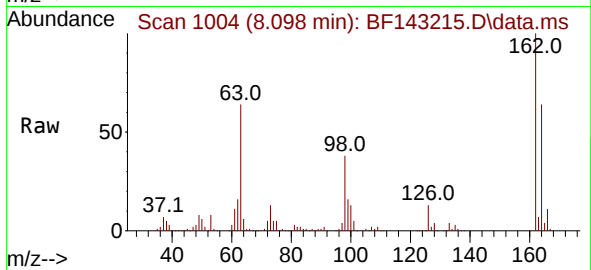




#29
2,4-Dichlorophenol
Concen: 44.840 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

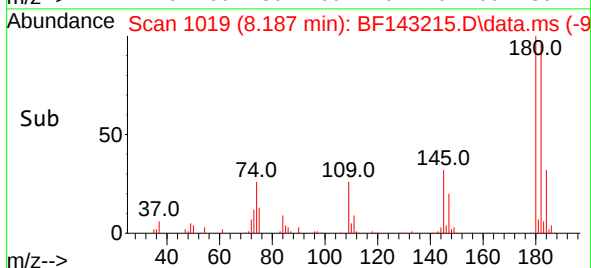
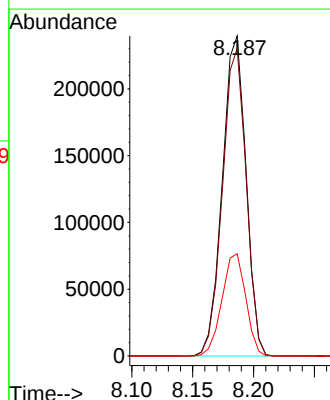
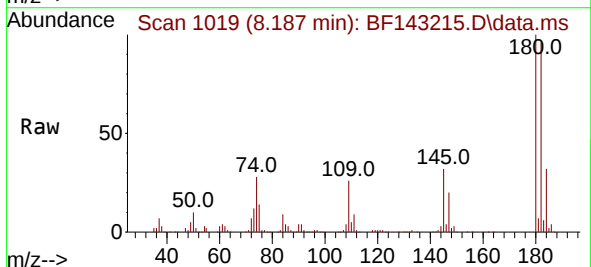
Instrument :
BNA_F
ClientSampleId :
PB168948BS

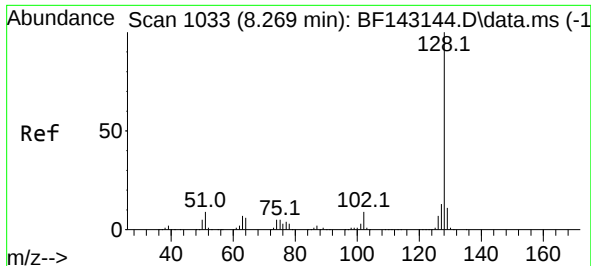
Tgt Ion:162 Resp: 308736
Ion Ratio Lower Upper
162 100
164 63.5 44.2 84.2
98 38.4 17.9 57.9



#30
1,2,4-Trichlorobenzene
Concen: 43.599 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:180 Resp: 324312
Ion Ratio Lower Upper
180 100
182 96.2 76.2 114.2
145 32.0 25.0 37.6

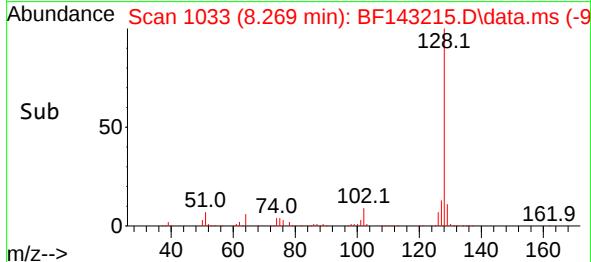
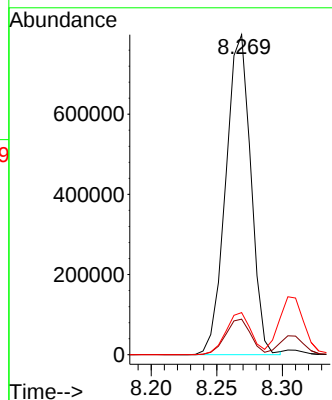
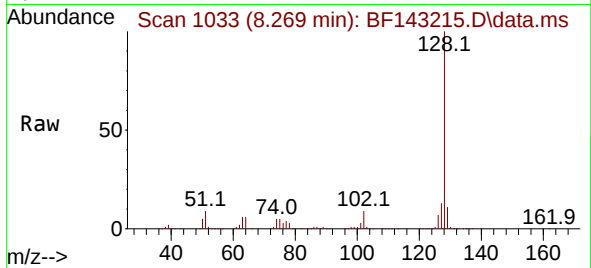




#31
Naphthalene
Concen: 43.656 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

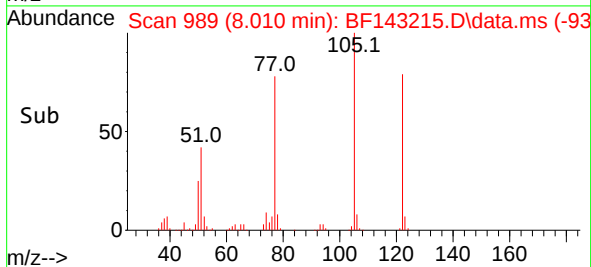
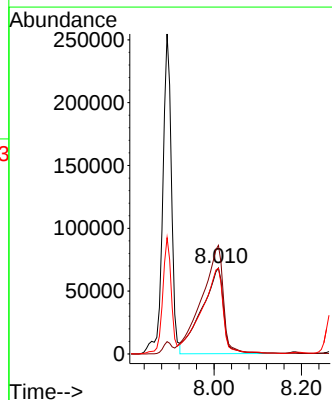
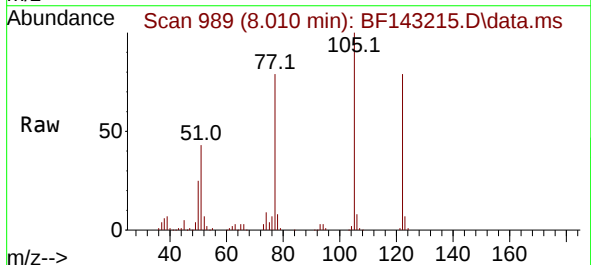
Instrument :
BNA_F
ClientSampleId :
PB168948BS

Tgt Ion:128 Resp: 1060886
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.6 16.0



#32
Benzoic acid
Concen: 51.044 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:122 Resp: 236447
Ion Ratio Lower Upper
122 100
105 126.3 104.8 144.8
77 99.8 77.6 117.6

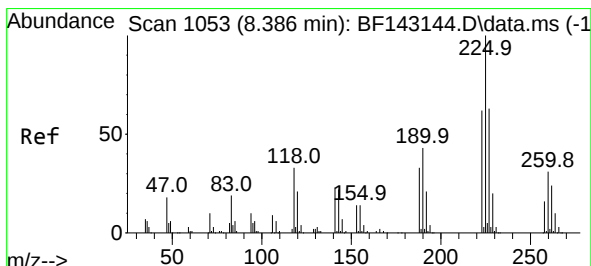
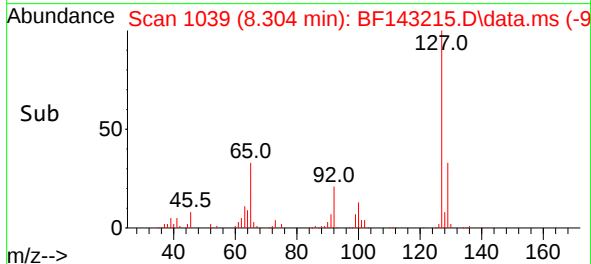
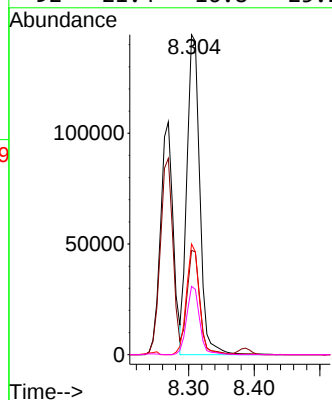
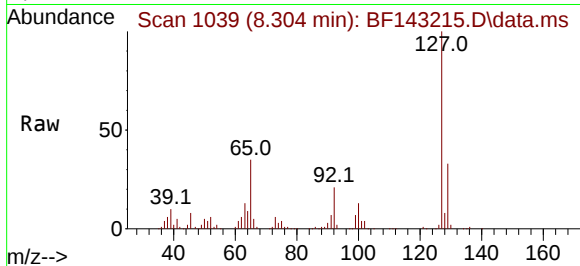




#33
4-Chloroaniline
Concen: 19.881 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

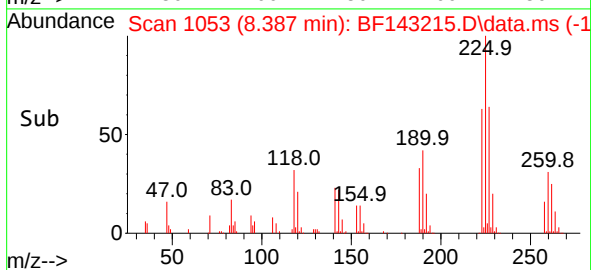
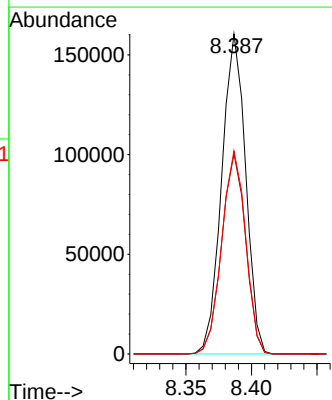
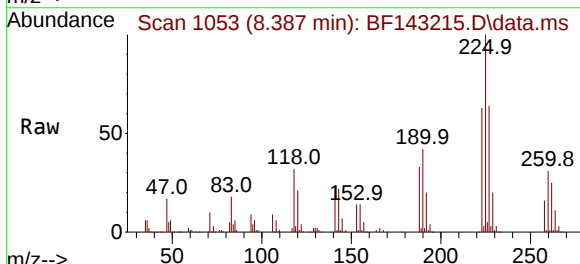
Instrument :
BNA_F
ClientSampleId :
PB168948BS

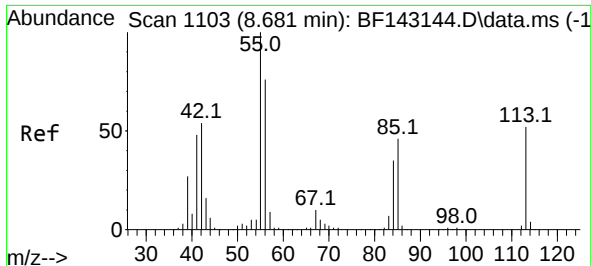
Tgt Ion:	127	Resp:	197278
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	34.6	27.4	41.2
92	21.4	16.8	25.2



#34
Hexachlorobutadiene
Concen: 44.751 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:	225	Resp:	203349
Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.6
227	63.5	50.2	75.4

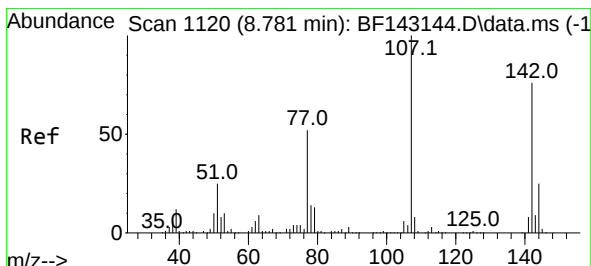
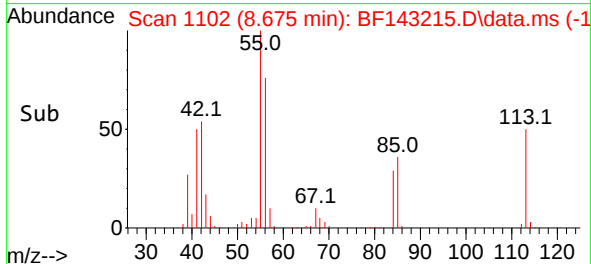
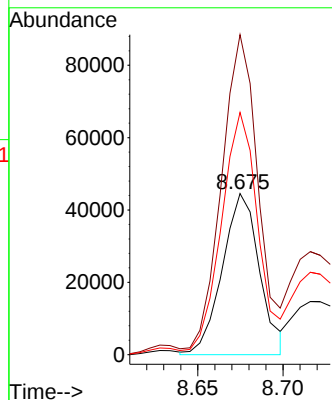
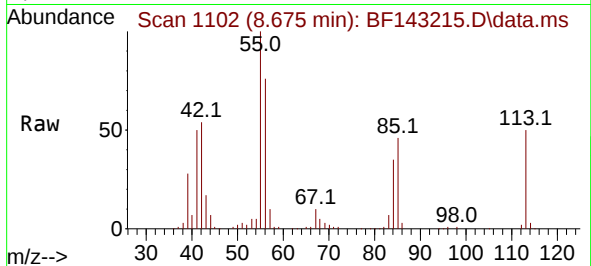




#35
Caprolactam
Concen: 32.400 ng
RT: 8.675 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

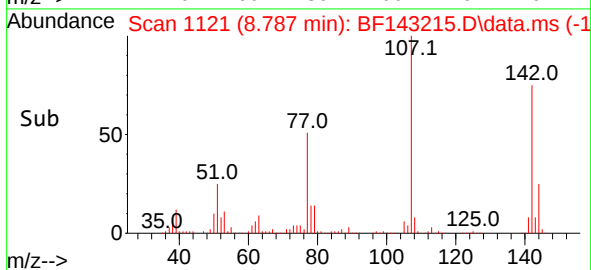
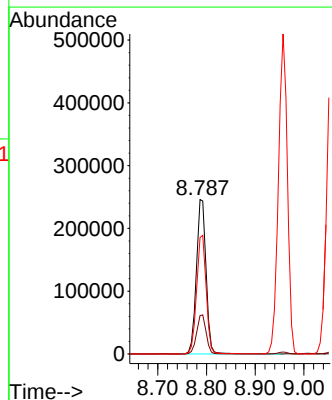
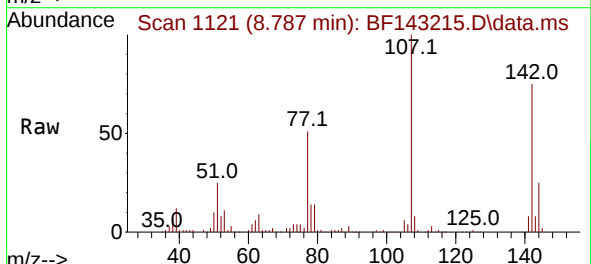
Instrument :
BNA_F
ClientSampleId :
PB168948BS

Tgt Ion:113 Resp: 67413
Ion Ratio Lower Upper
113 100
55 198.6 174.0 214.0
56 150.4 126.6 166.6



#36
4-Chloro-3-methylphenol
Concen: 45.725 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:107 Resp: 342197
Ion Ratio Lower Upper
107 100
144 24.9 19.8 29.6
142 75.5 60.6 90.8





#37

2-Methylnaphthalene

Concen: 44.311 ng

RT: 8.957 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

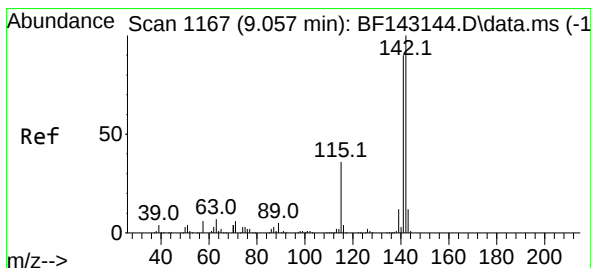
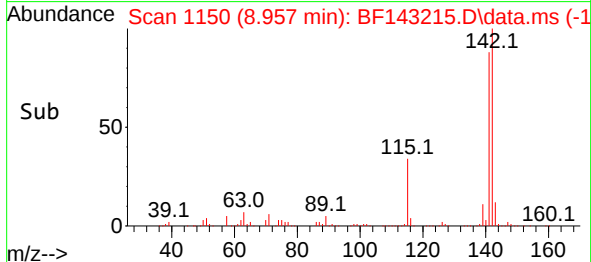
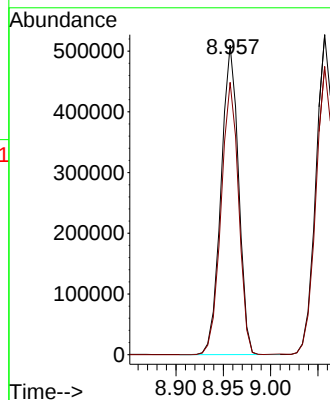
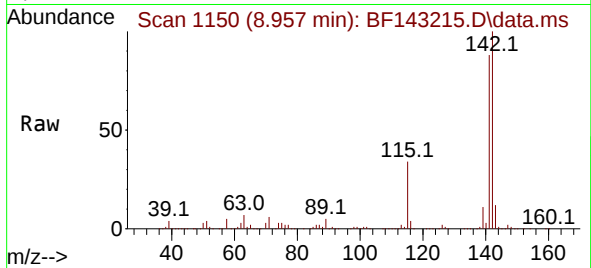
PB168948BS

Tgt Ion:142 Resp: 655261

Ion Ratio Lower Upper

142 100

141 88.0 69.9 104.9



#38

1-Methylnaphthalene

Concen: 44.373 ng

RT: 9.057 min Scan# 1167

Delta R.T. 0.000 min

Lab File: BF143215.D

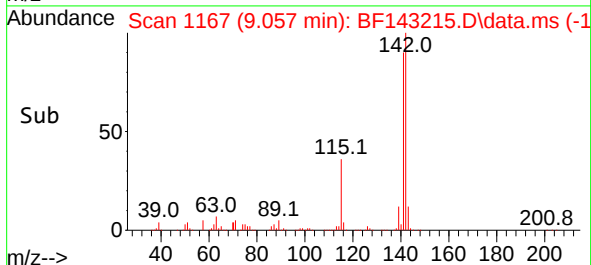
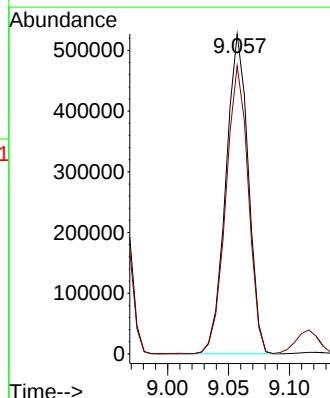
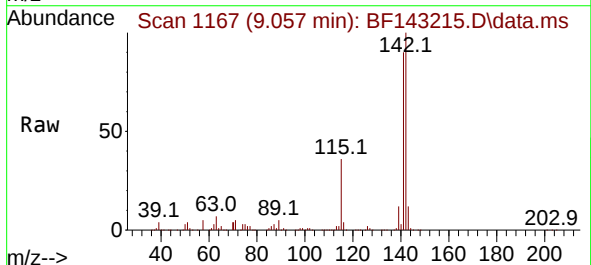
Acq: 23 Jul 2025 16:59

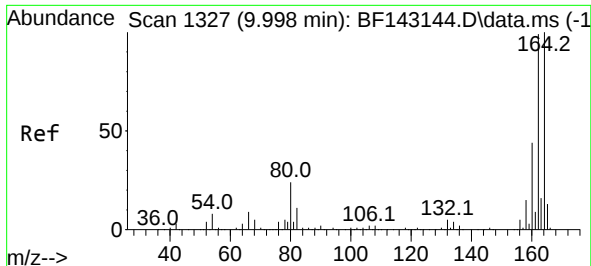
Tgt Ion:142 Resp: 675688

Ion Ratio Lower Upper

142 100

141 90.0 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

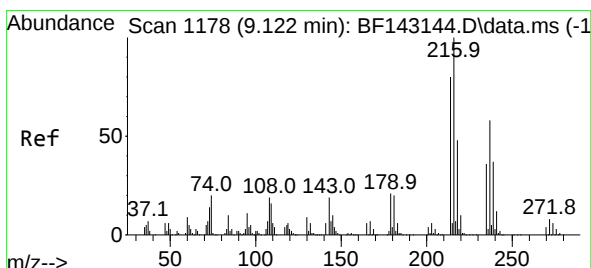
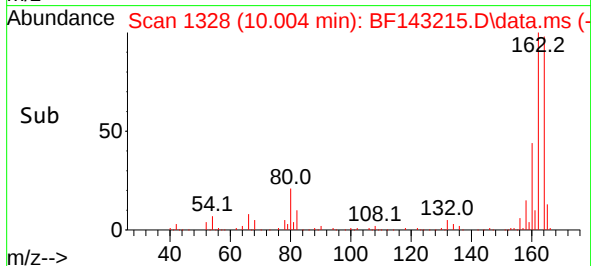
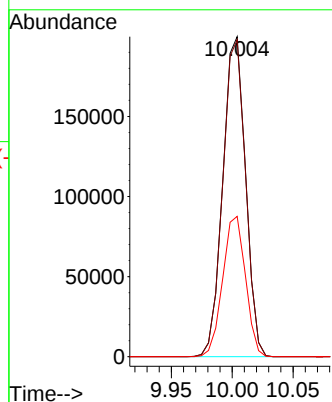
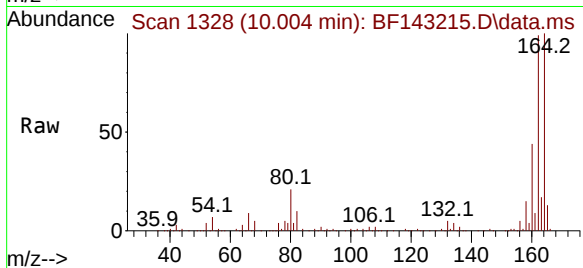
Tgt Ion:164 Resp: 259875

Ion Ratio Lower Upper

164 100

162 99.1 79.0 118.6

160 43.8 35.1 52.7



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.047 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Tgt Ion:216 Resp: 322973

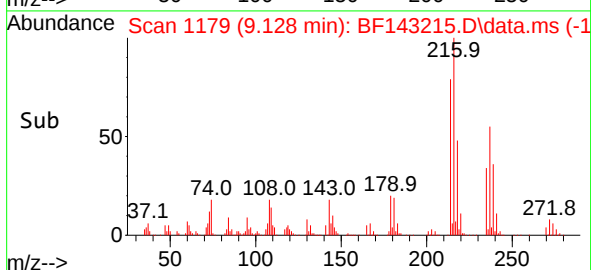
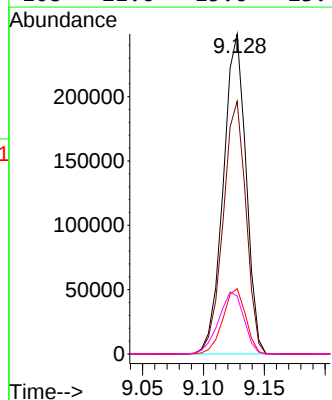
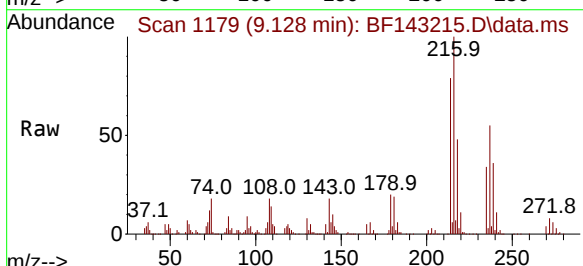
Ion Ratio Lower Upper

216 100

214 79.2 63.8 95.8

179 20.5 16.4 24.6

108 21.6 15.6 23.4

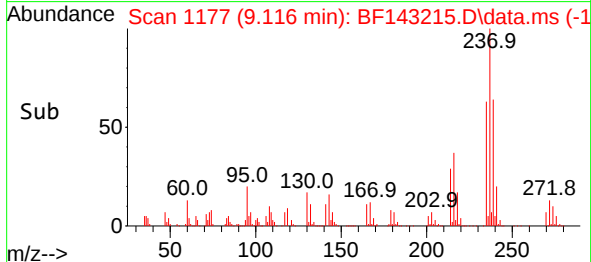
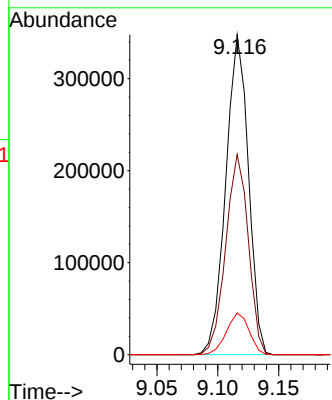
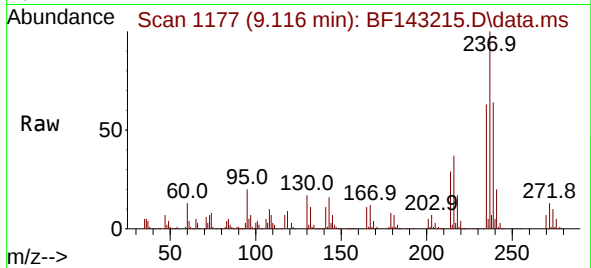




#41
Hexachlorocyclopentadiene
Concen: 92.196 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

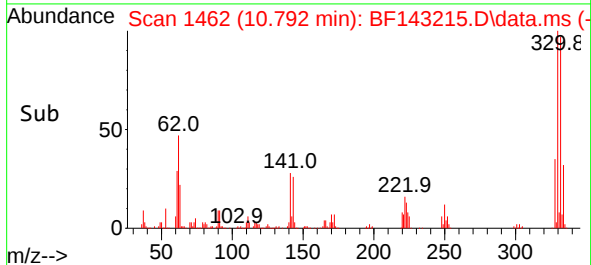
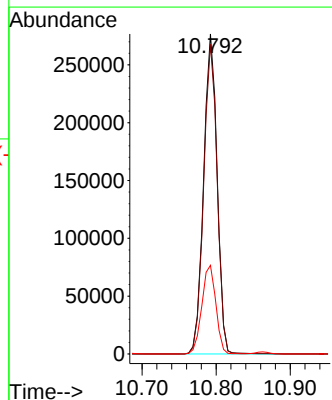
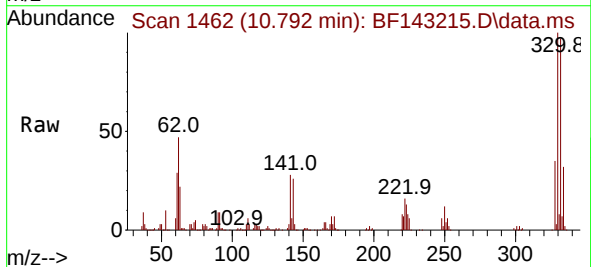
Instrument :
BNA_F
ClientSampleId :
PB168948BS

Tgt Ion:237 Resp: 450093
Ion Ratio Lower Upper
237 100
235 62.5 43.0 83.0
272 13.1 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 130.917 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:330 Resp: 351467
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 28.7 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 45.033 ng

RT: 9.234 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

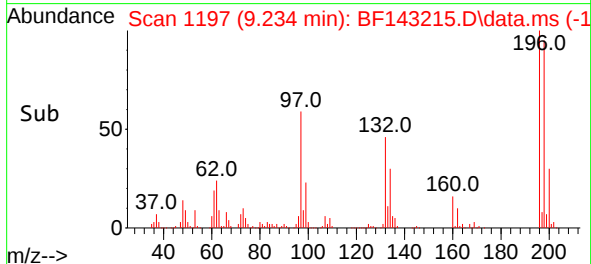
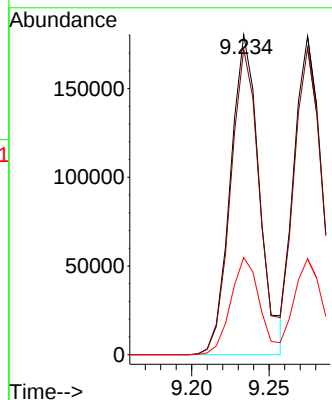
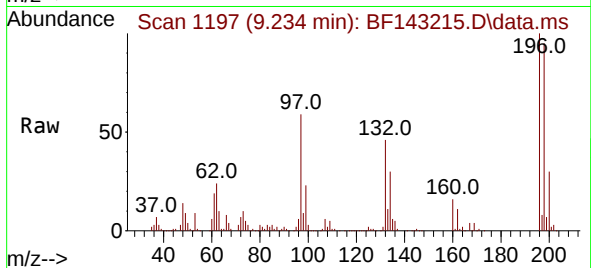
Tgt Ion:196 Resp: 233839

Ion Ratio Lower Upper

196 100

198 95.5 76.2 114.2

200 30.4 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 44.750 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Tgt Ion:196 Resp: 232441

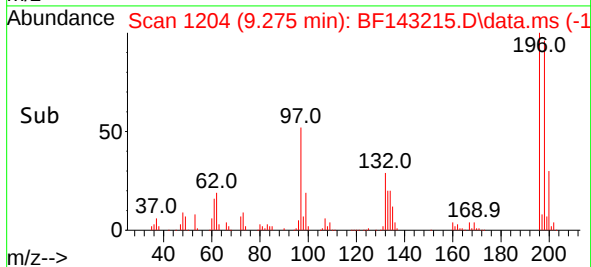
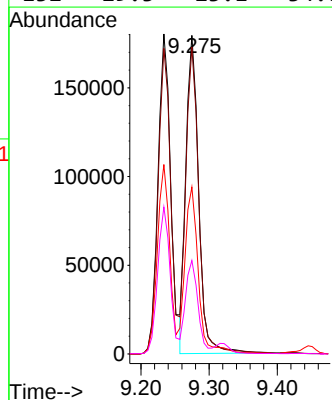
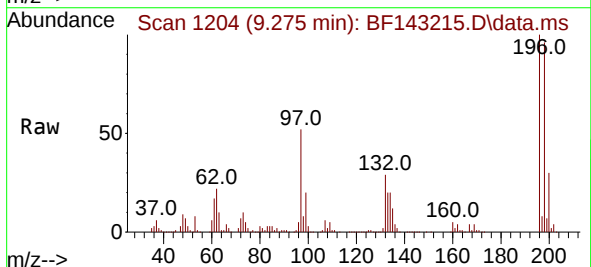
Ion Ratio Lower Upper

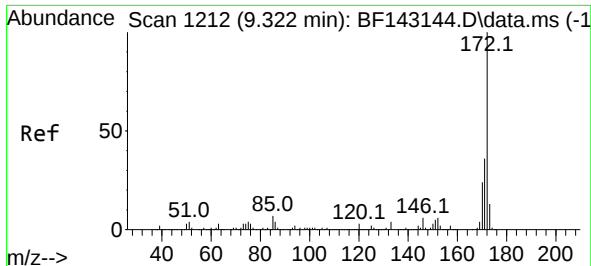
196 100

198 96.4 77.3 115.9

97 52.4 40.3 60.5

132 29.3 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 78.743 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

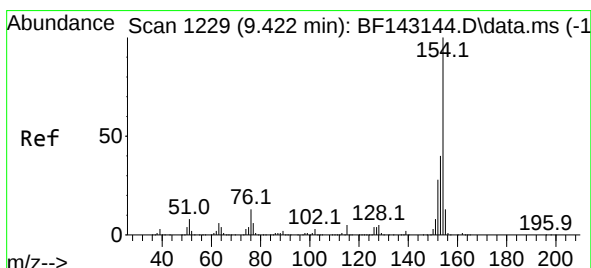
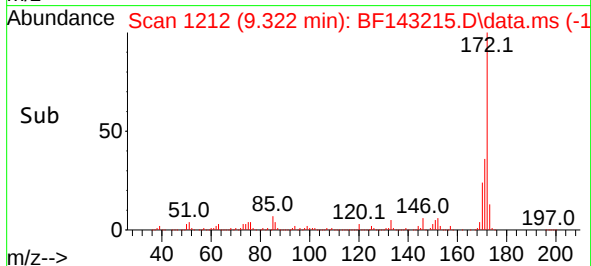
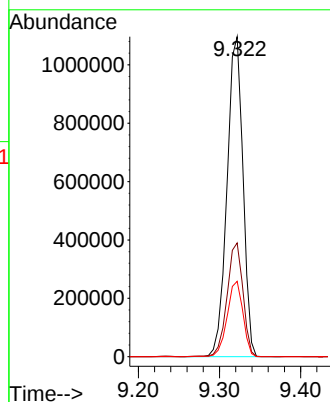
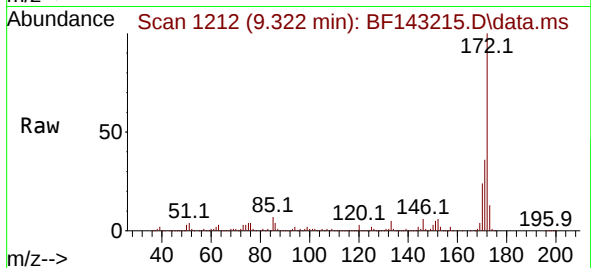
Tgt Ion:172 Resp: 1496266

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 23.6 18.8 28.2



#46

1,1'-Biphenyl

Concen: 43.775 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

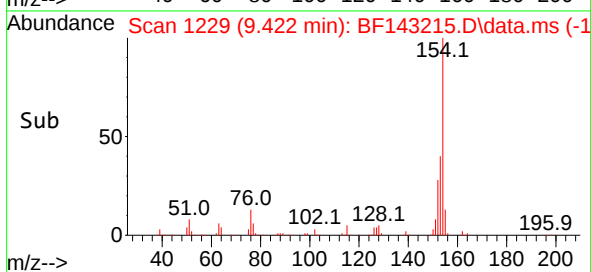
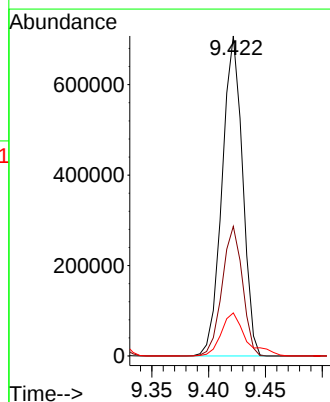
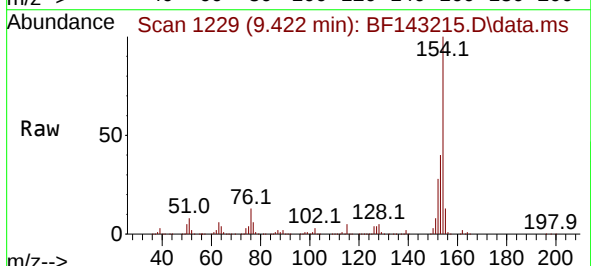
Tgt Ion:154 Resp: 887556

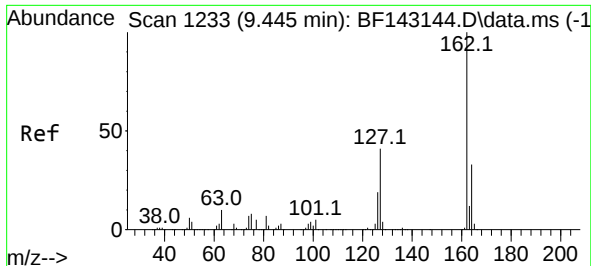
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.4 0.0 33.3





#47

2-Chloronaphthalene

Concen: 43.736 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

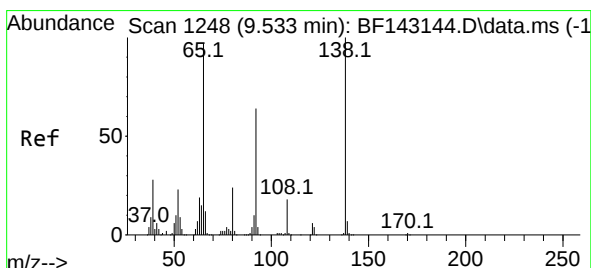
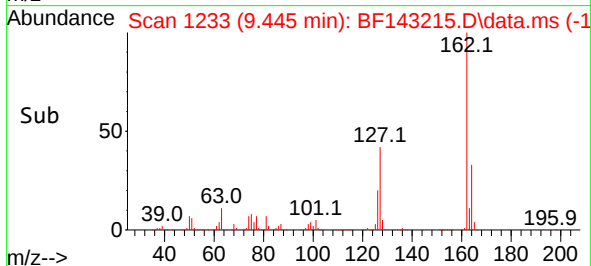
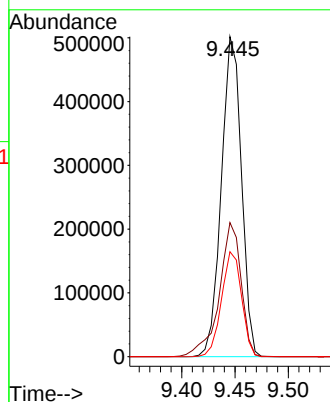
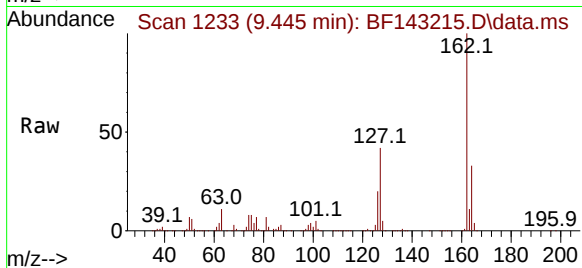
Tgt Ion:162 Resp: 656145

Ion Ratio Lower Upper

162 100

127 41.9 33.4 50.2

164 32.8 26.2 39.2



#48

2-Nitroaniline

Concen: 48.246 ng

RT: 9.534 min Scan# 1248

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

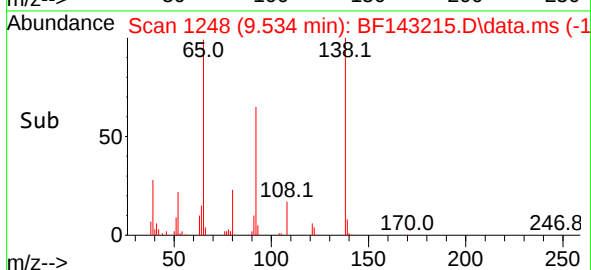
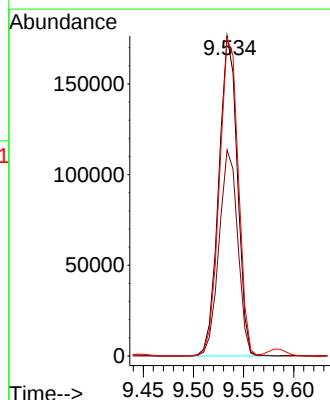
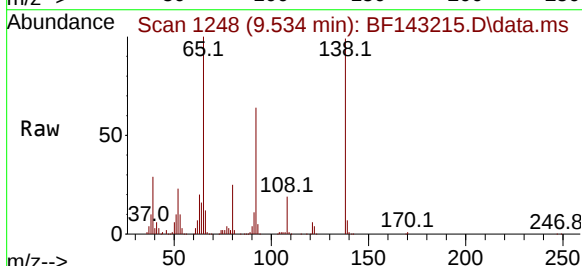
Tgt Ion: 65 Resp: 226980

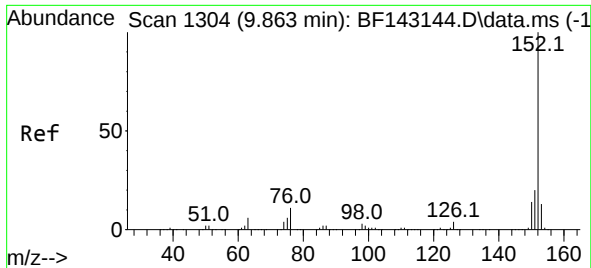
Ion Ratio Lower Upper

65 100

92 64.4 52.4 78.6

138 99.3 82.3 123.5

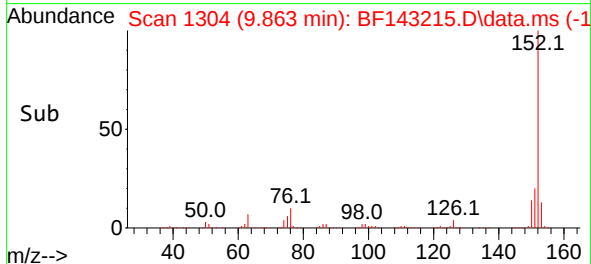
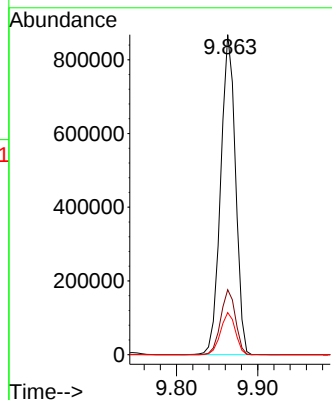
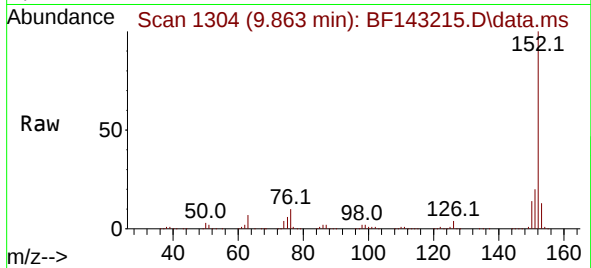




#49
Acenaphthylene
Concen: 44.027 ng
RT: 9.863 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

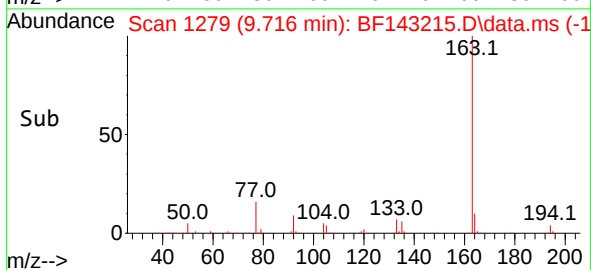
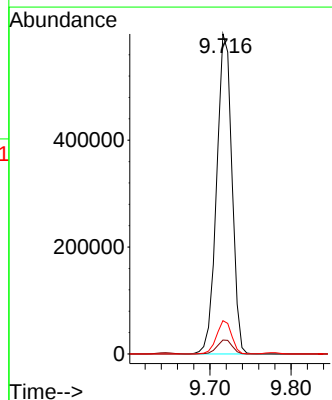
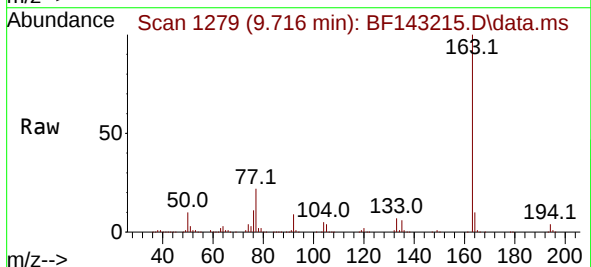
Instrument :
BNA_F
ClientSampleId :
PB168948BS

Tgt Ion:152 Resp: 1106913
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.2 10.6 16.0



#50
Dimethylphthalate
Concen: 46.265 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:163 Resp: 783709
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.4 8.3 12.5

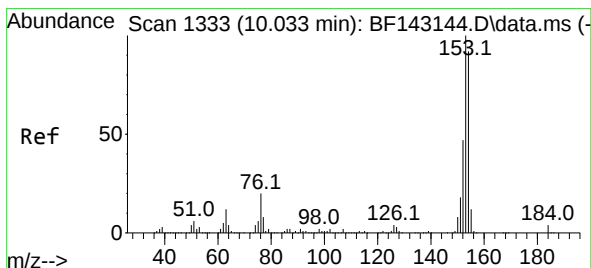
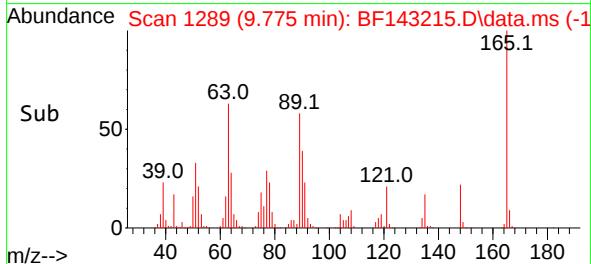
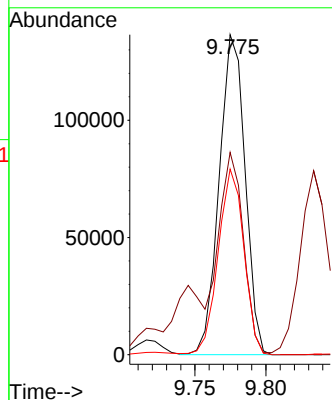
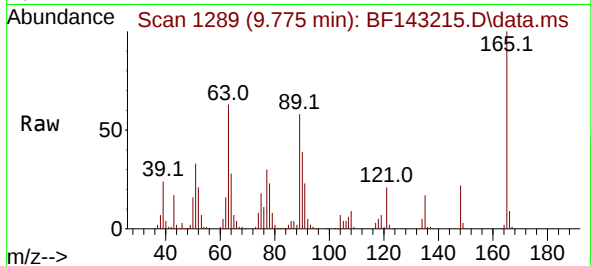




#51
2,6-Dinitrotoluene
Concen: 50.256 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

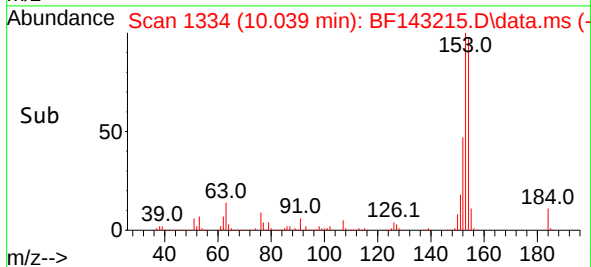
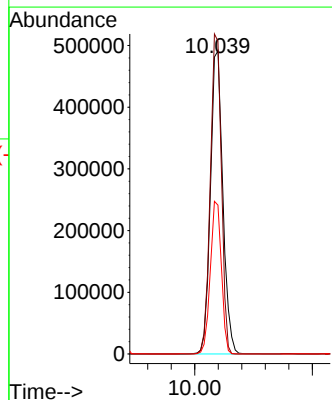
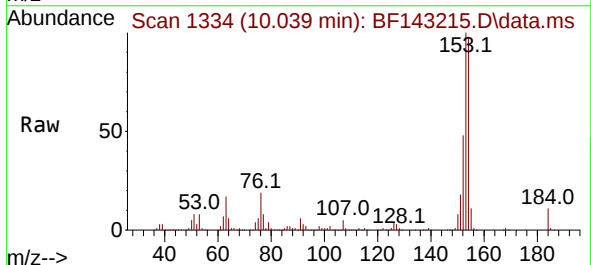
Instrument :
BNA_F
ClientSampleId :
PB168948BS

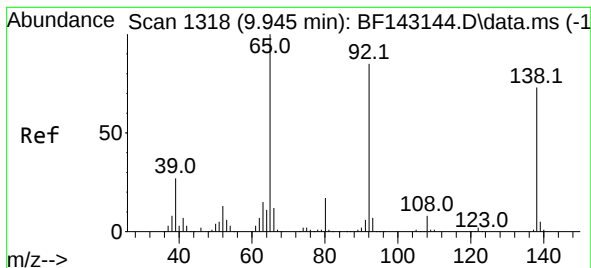
Tgt Ion:165 Resp: 173179
Ion Ratio Lower Upper
165 100
63 63.2 49.4 74.2
89 58.0 46.2 69.2



#52
Acenaphthene
Concen: 48.343 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:154 Resp: 718361
Ion Ratio Lower Upper
154 100
153 103.2 86.6 129.8
152 49.1 40.4 60.6





#53

3-Nitroaniline

Concen: 32.726 ng

RT: 9.945 min Scan# 1318

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

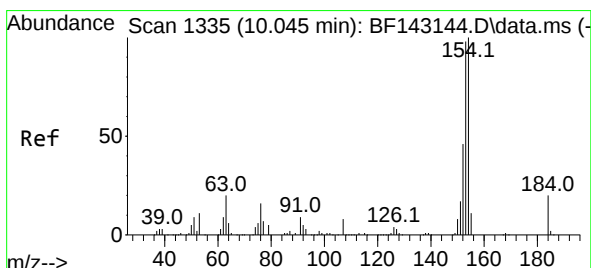
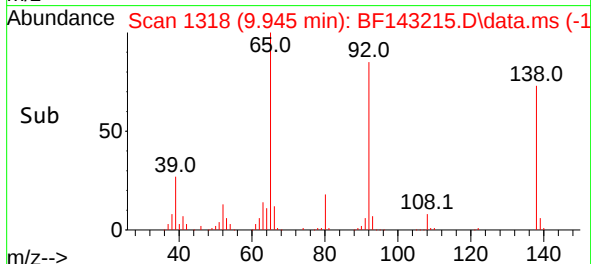
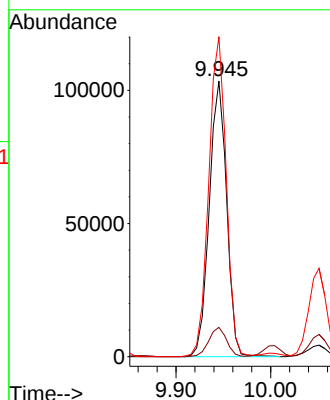
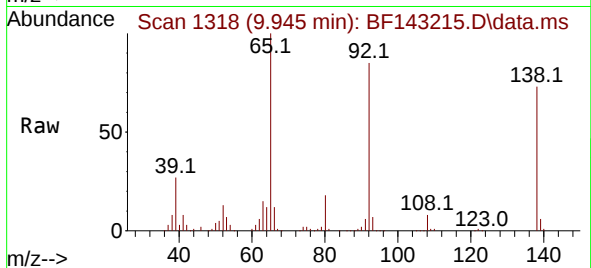
Tgt Ion:138 Resp: 131906

Ion Ratio Lower Upper

138 100

108 10.6 9.0 13.6

92 116.1 93.0 139.4



#54

2,4-Dinitrophenol

Concen: 110.471 ng

RT: 10.051 min Scan# 1336

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

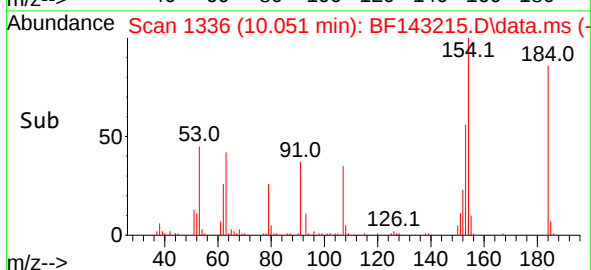
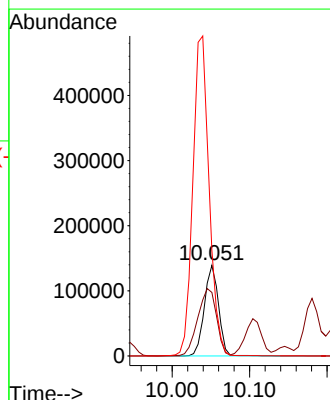
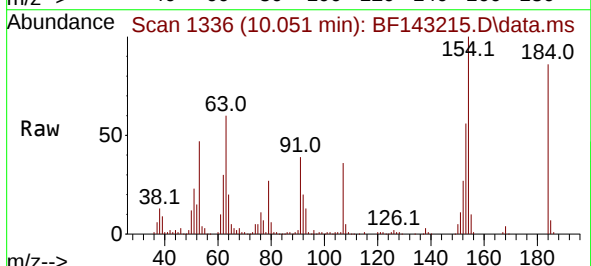
Tgt Ion:184 Resp: 176857

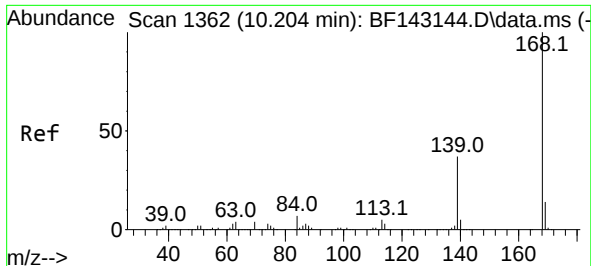
Ion Ratio Lower Upper

184 100

63 70.1 81.8 122.6#

154 116.8 412.2 618.4#

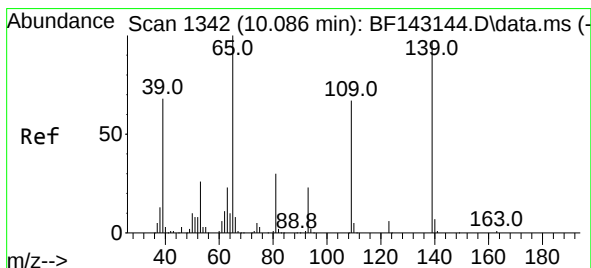
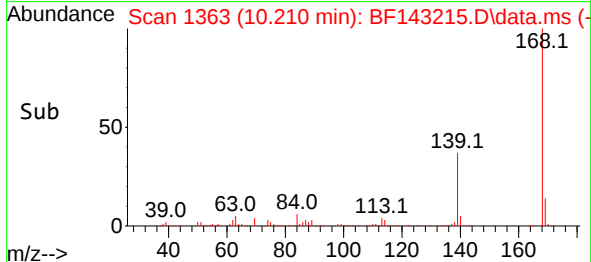
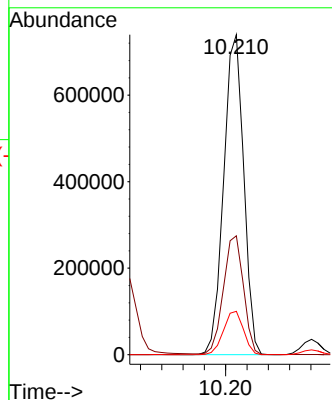
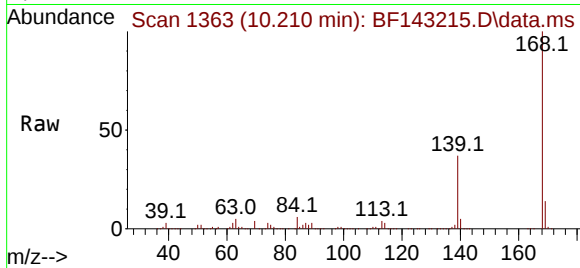




#55
Dibenzenofuran
Concen: 43.643 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

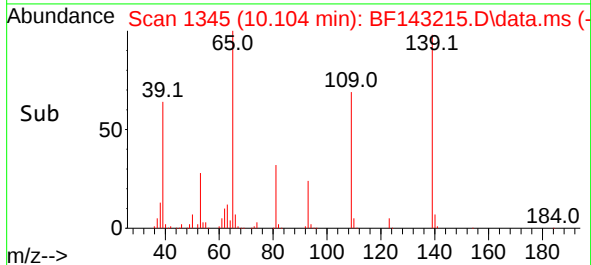
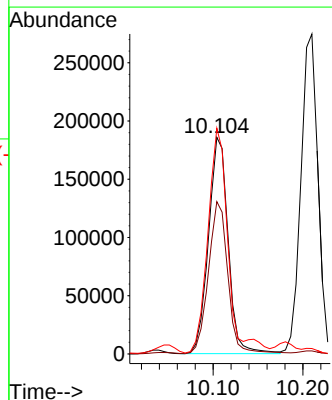
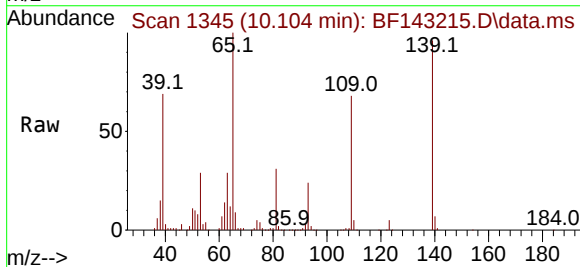
Instrument :
BNA_F
ClientSampleId :
PB168948BS

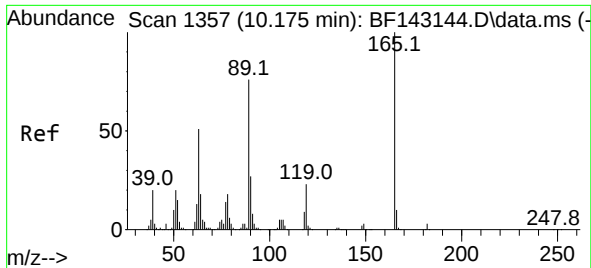
Tgt Ion:168 Resp: 962852
Ion Ratio Lower Upper
168 100
139 37.1 29.5 44.3
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 93.885 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:139 Resp: 282579
Ion Ratio Lower Upper
139 100
109 70.3 48.5 88.5
65 104.2 83.4 123.4

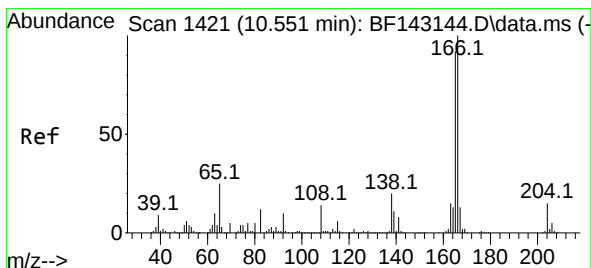
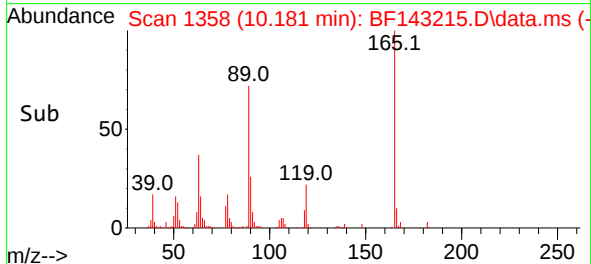
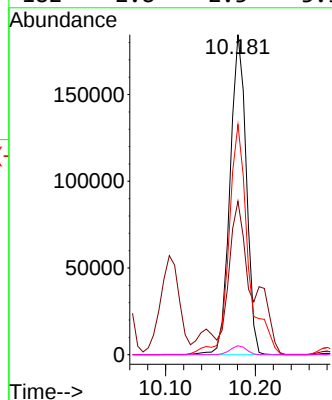
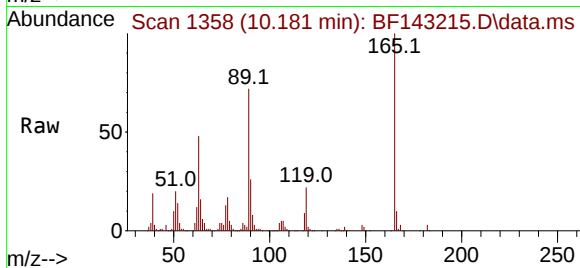




#57
2,4-Dinitrotoluene
Concen: 53.697 ng
RT: 10.181 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

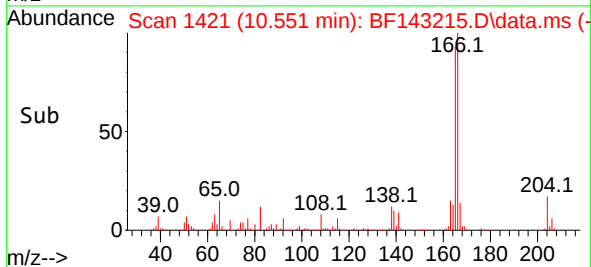
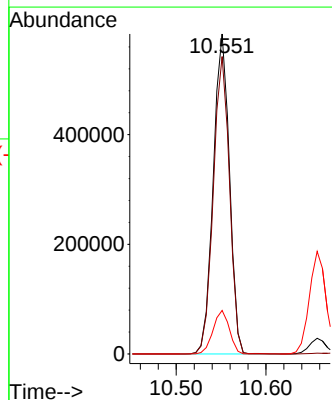
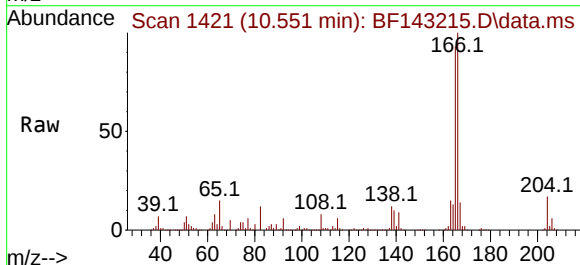
Instrument :
BNA_F
ClientSampleId :
PB168948BS

Tgt Ion:165 Resp: 232149
Ion Ratio Lower Upper
165 100
63 48.0 41.0 61.4
89 71.9 61.1 91.7
182 2.8 2.3 3.5



#58
Fluorene
Concen: 44.062 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:166 Resp: 729587
Ion Ratio Lower Upper
166 100
165 92.9 73.7 110.5
167 13.6 10.6 16.0

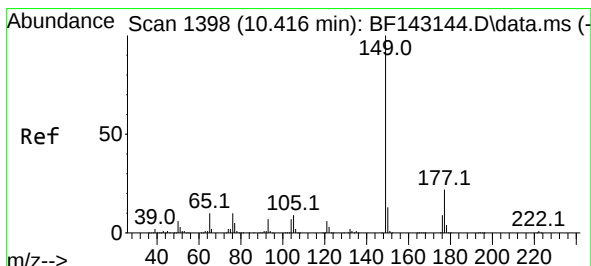
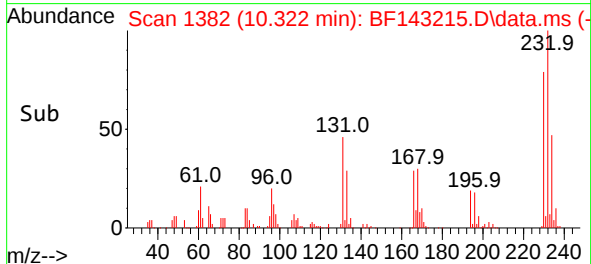
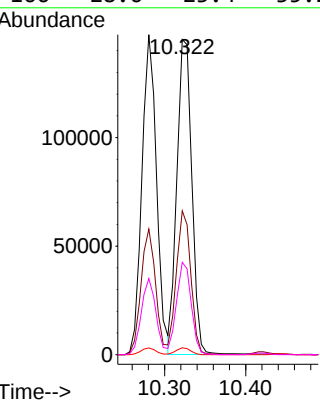
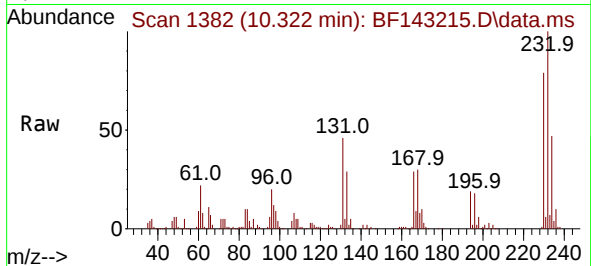




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.284 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

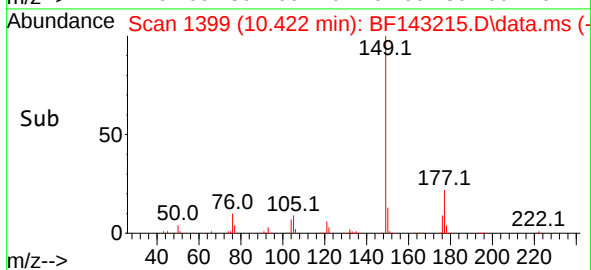
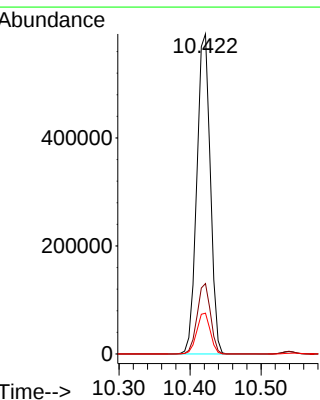
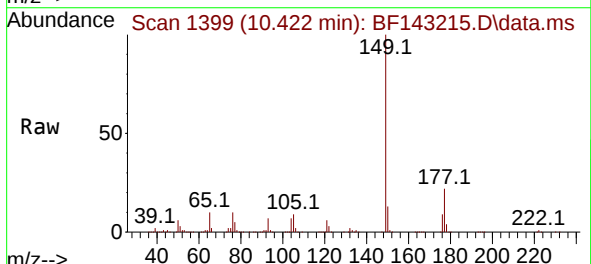
Instrument :
BNA_F
ClientSampleId :
PB168948BS

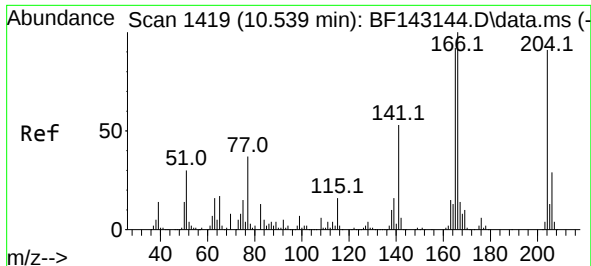
Tgt Ion:232 Resp: 186237
Ion Ratio Lower Upper
232 100
131 44.0 35.3 52.9
130 2.1 1.7 2.5
166 28.6 23.4 35.2



#60
Diethylphthalate
Concen: 46.645 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:149 Resp: 780972
Ion Ratio Lower Upper
149 100
177 22.0 17.5 26.3
150 12.8 10.2 15.2

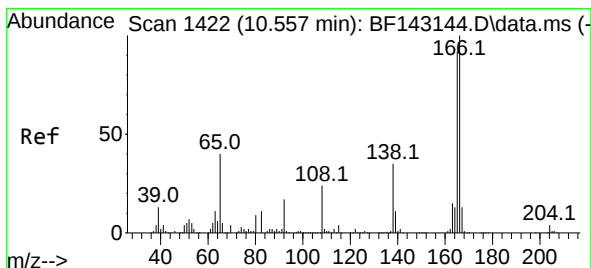
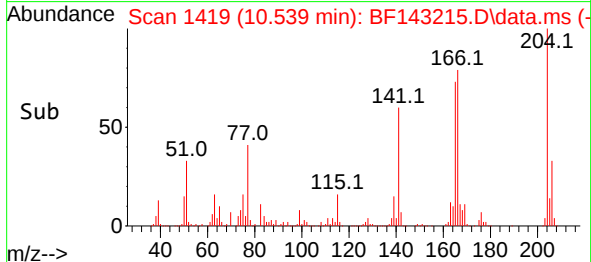
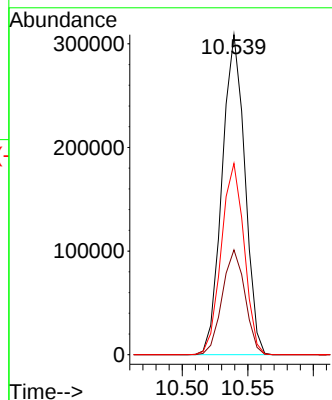
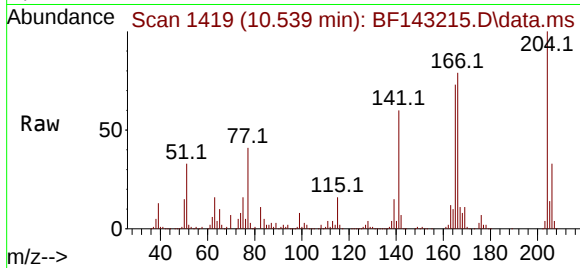




#61
4-Chlorophenyl-phenylether
Concen: 45.128 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

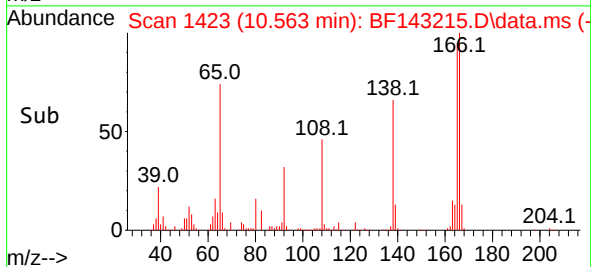
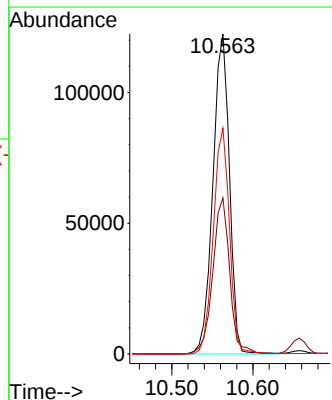
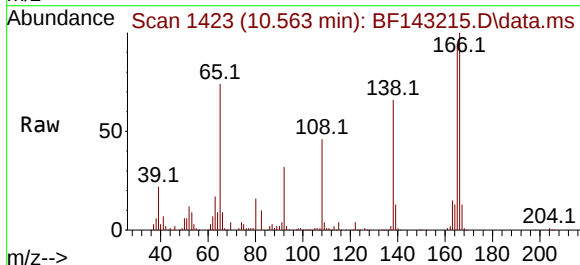
Instrument :
BNA_F
ClientSampleId :
PB168948BS

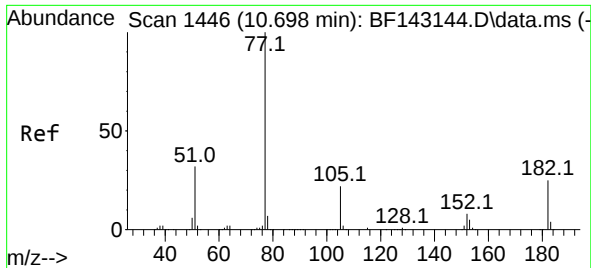
Tgt Ion:204 Resp: 372079
Ion Ratio Lower Upper
204 100
206 32.8 25.8 38.8
141 59.8 47.0 70.4



#62
4-Nitroaniline
Concen: 50.083 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:138 Resp: 173011
Ion Ratio Lower Upper
138 100
92 48.7 29.3 69.3
108 70.6 48.3 88.3

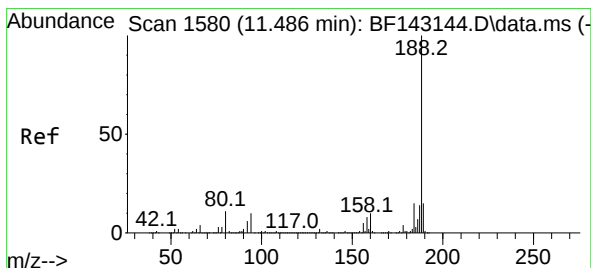
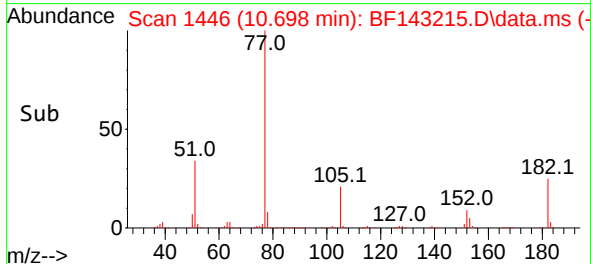
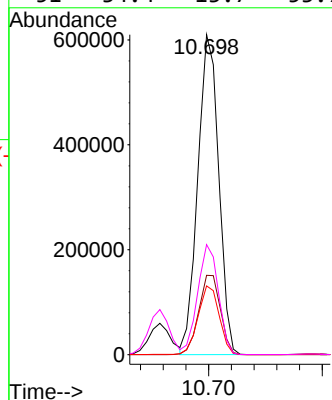
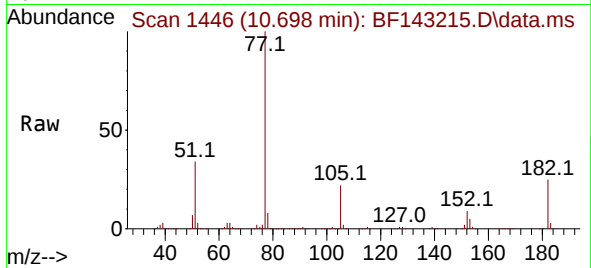




#63
Azobenzene
Concen: 44.738 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

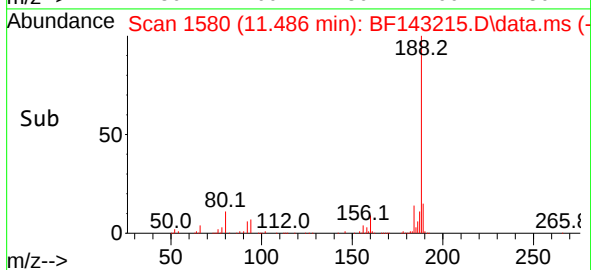
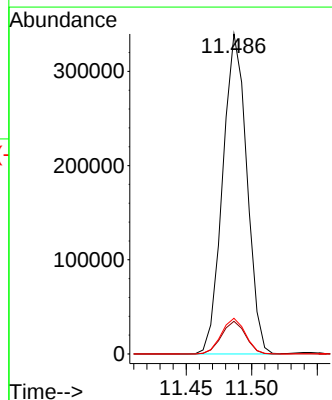
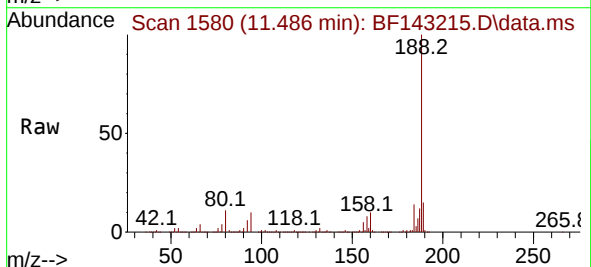
Instrument :
BNA_F
ClientSampleId :
PB168948BS

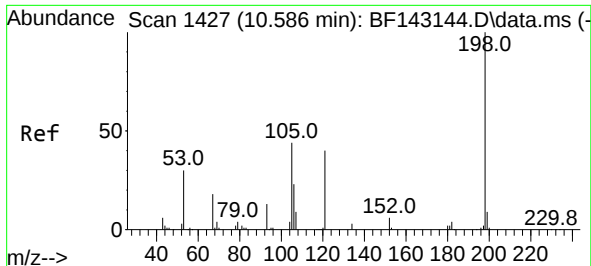
Tgt Ion: 77	Resp: 780671
Ion Ratio	Lower Upper
77 100	
182 24.8	4.6 44.6
105 21.5	1.4 41.4
51 34.4	13.7 53.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:188	Resp: 435477
Ion Ratio	Lower Upper
188 100	
94 10.2	8.3 12.5
80 11.1	9.0 13.6

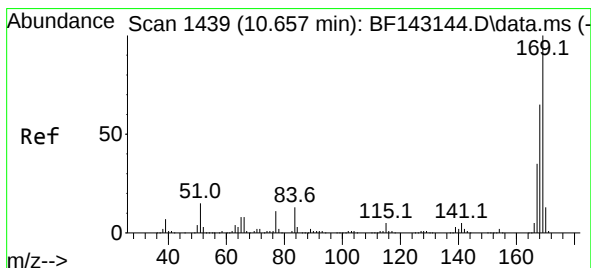
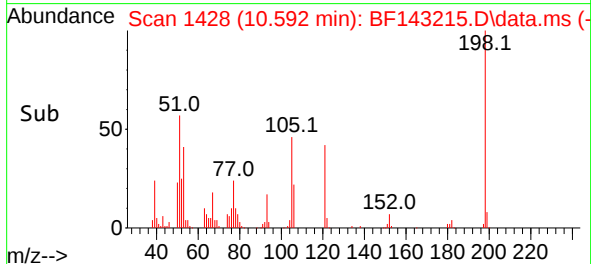
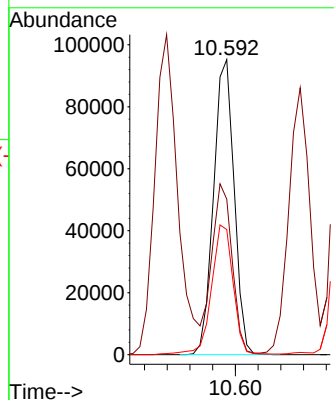
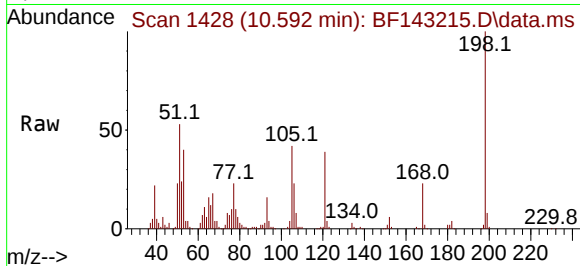




#65
4,6-Dinitro-2-methylphenol
Concen: 51.921 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

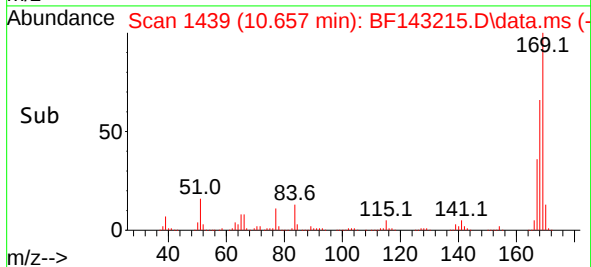
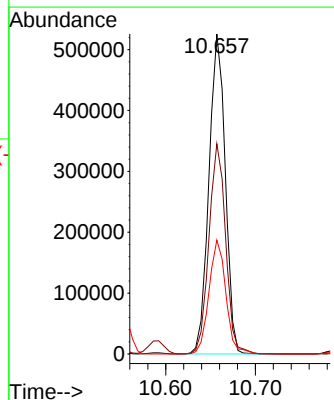
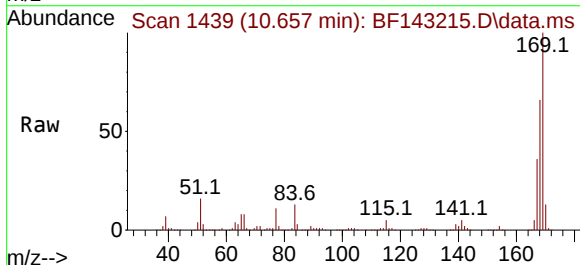
Instrument :
BNA_F
ClientSampleId :
PB168948BS

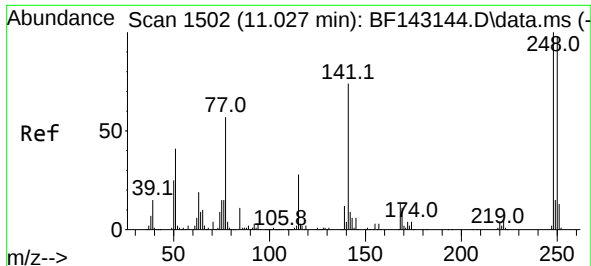
Tgt Ion:198 Resp: 119668
Ion Ratio Lower Upper
198 100
51 52.7 37.2 77.2
105 42.4 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 43.334 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:169 Resp: 664504
Ion Ratio Lower Upper
169 100
168 65.7 52.1 78.1
167 35.6 28.2 42.2

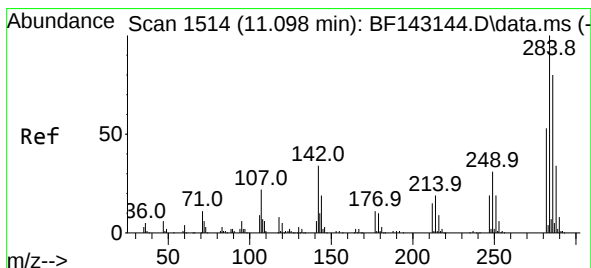
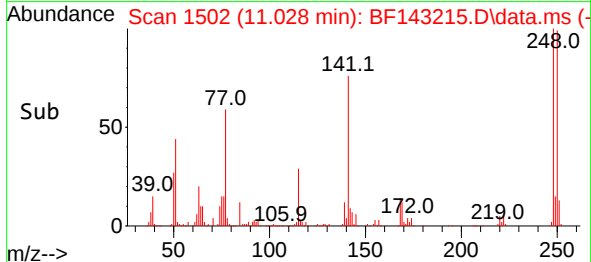
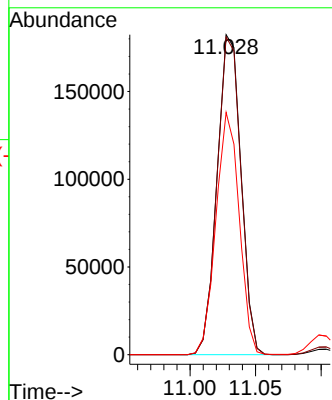
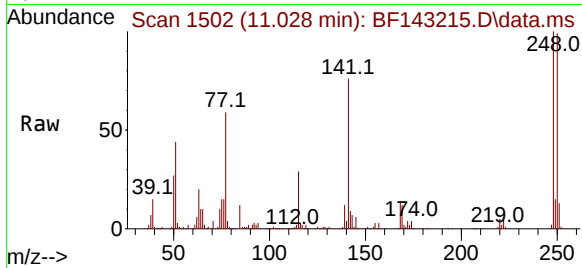




#67
4-Bromophenyl-phenylether
Concen: 44.672 ng
RT: 11.028 min Scan# 1102
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

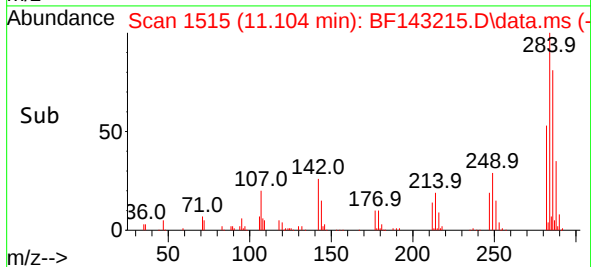
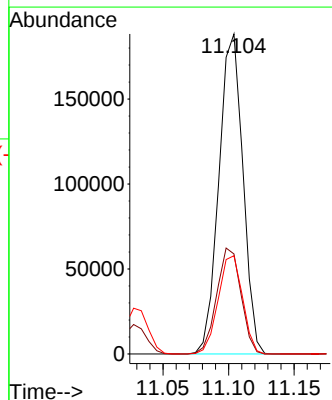
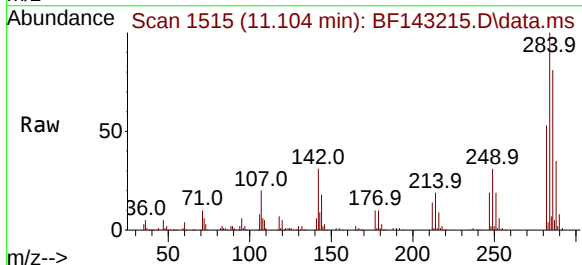
Instrument :
BNA_F
ClientSampleId :
PB168948BS

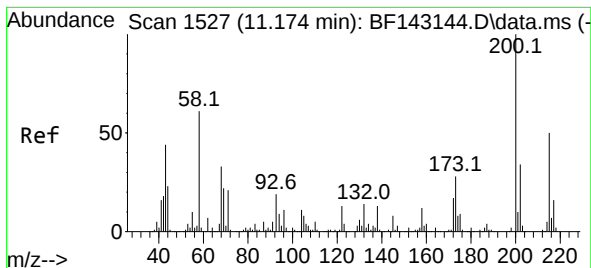
Tgt Ion:248 Resp: 231837
Ion Ratio Lower Upper
248 100
250 99.3 78.3 117.5
141 75.7 59.2 88.8



#68
Hexachlorobenzene
Concen: 44.087 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:284 Resp: 239145
Ion Ratio Lower Upper
284 100
142 31.2 27.0 40.6
249 30.7 25.0 37.6





#69

Atrazine

Concen: 49.820 ng

RT: 11.180 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

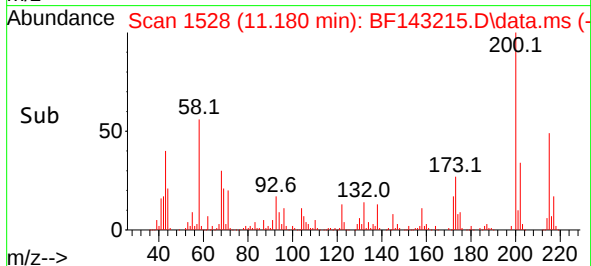
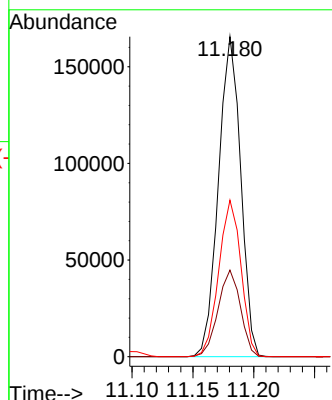
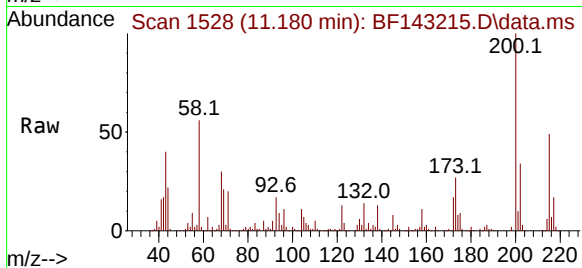
Tgt Ion:200 Resp: 210616

Ion Ratio Lower Upper

200 100

173 27.0 7.9 47.9

215 48.9 30.1 70.1



#70

Pentachlorophenol

Concen: 62.747 ng

RT: 11.292 min Scan# 1547

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

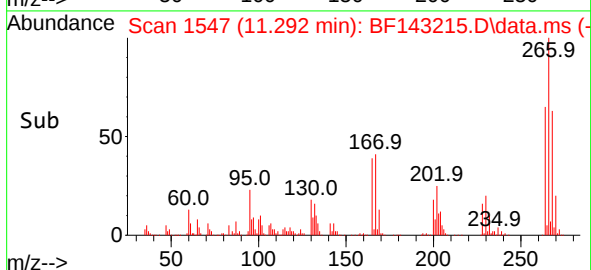
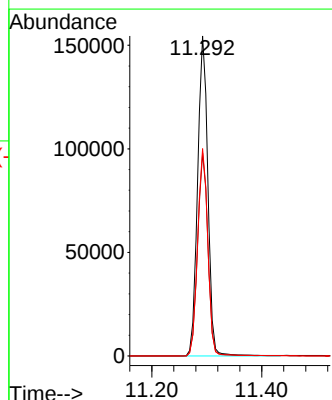
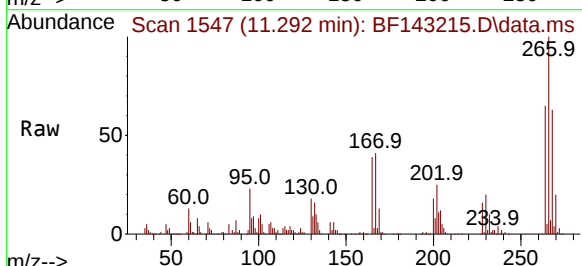
Tgt Ion:266 Resp: 200160

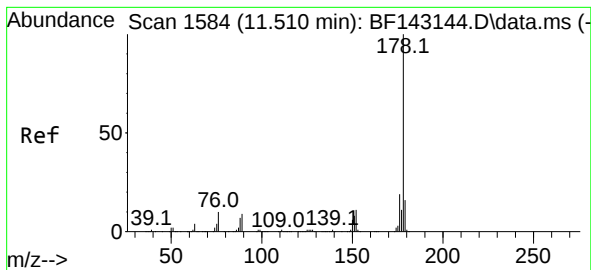
Ion Ratio Lower Upper

266 100

268 63.4 51.9 77.9

264 64.8 51.0 76.6





#71

Phenanthrene

Concen: 43.850 ng

RT: 11.516 min Scan# 1584

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

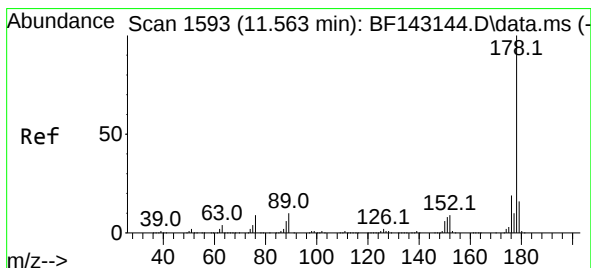
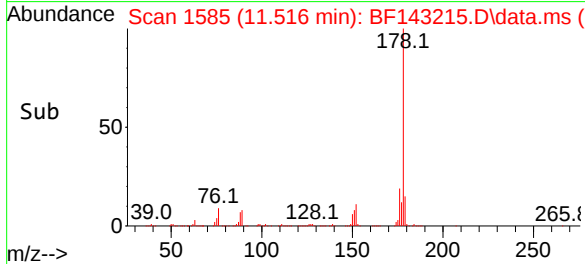
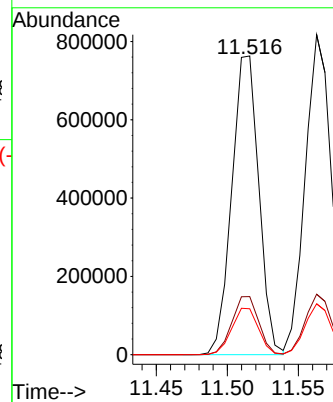
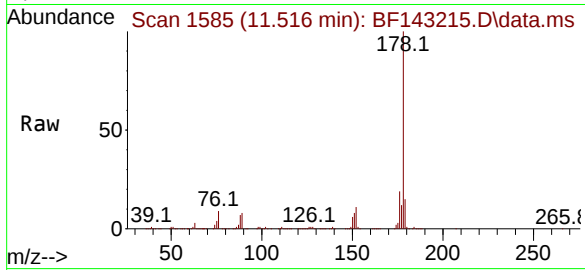
Tgt Ion:178 Resp: 1013911

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

179 15.4 12.5 18.7



#72

Anthracene

Concen: 43.952 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

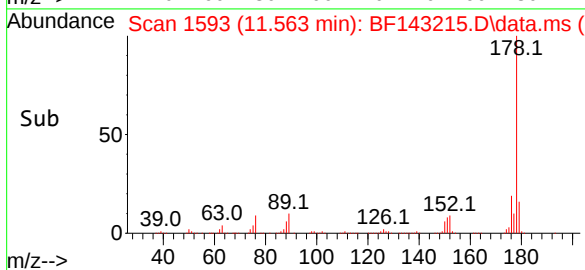
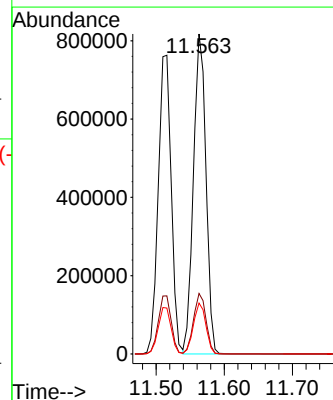
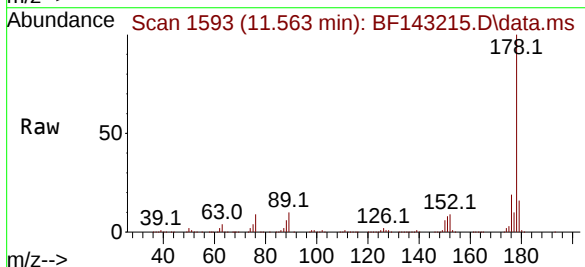
Tgt Ion:178 Resp: 1036500

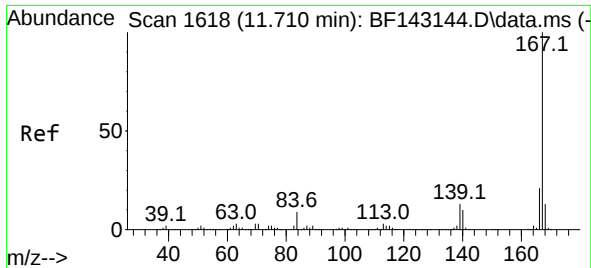
Ion Ratio Lower Upper

178 100

176 18.9 15.0 22.4

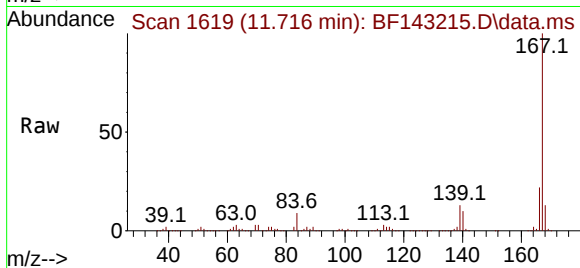
179 15.9 12.5 18.7



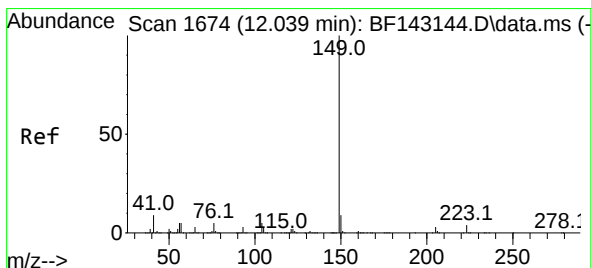
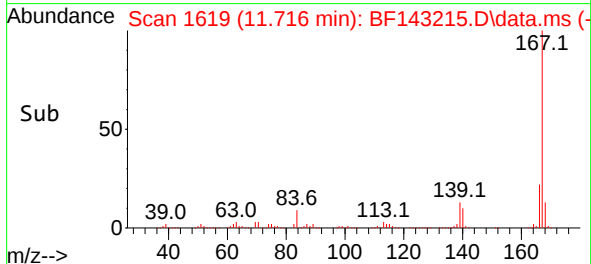
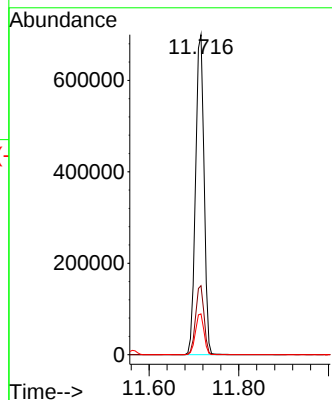


#73
 Carbazole
 Concen: 44.625 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. 0.006 min
 Lab File: BF143215.D
 Acq: 23 Jul 2025 16:59

Instrument :
 BNA_F
 ClientSampleId :
 PB168948BS

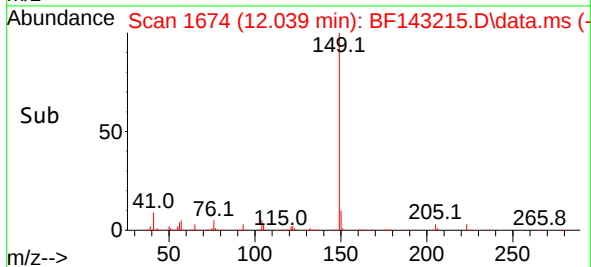
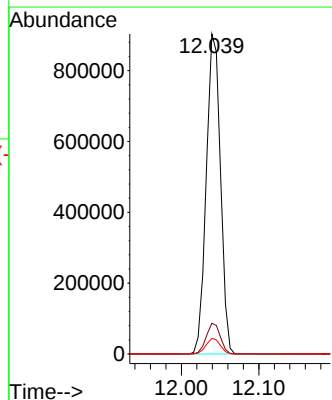
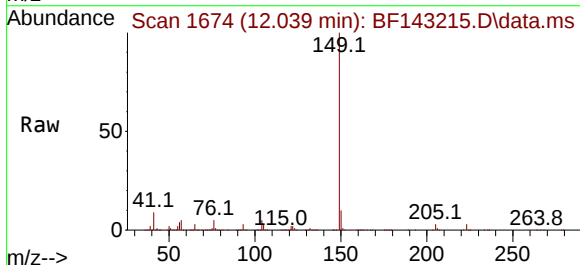


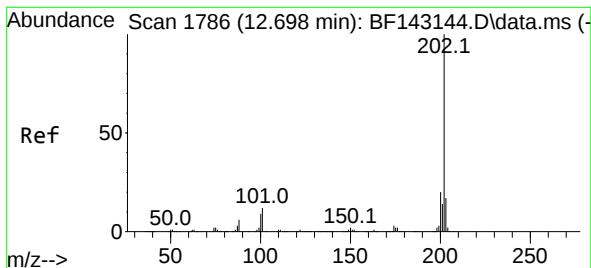
Tgt Ion:167 Resp: 918922
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 12.8 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 49.223 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143215.D
 Acq: 23 Jul 2025 16:59

Tgt Ion:149 Resp: 1146896
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.4 11.2
 104 4.8 3.8 5.8





#75

Fluoranthene

Concen: 46.409 ng

RT: 12.698 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

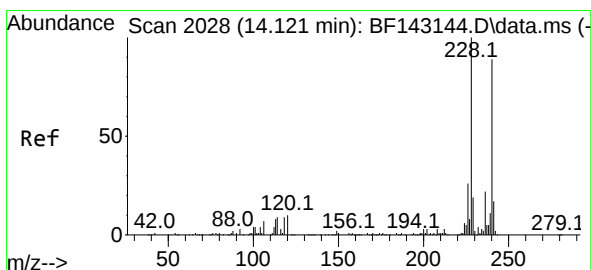
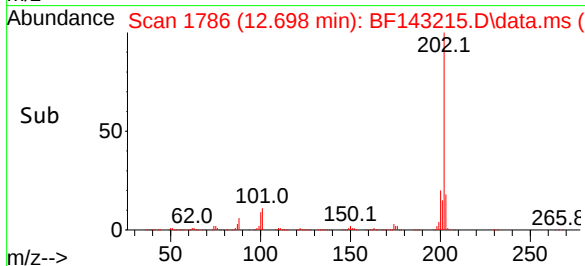
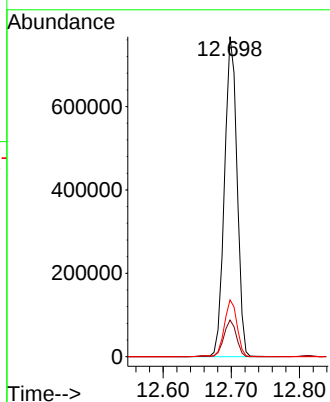
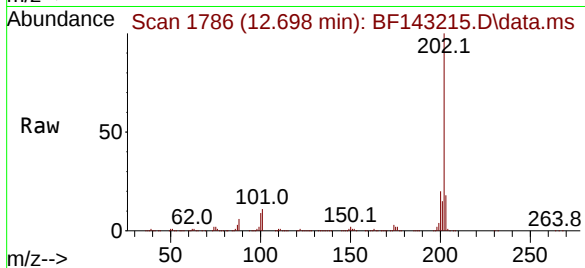
Tgt Ion:202 Resp: 984952

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.7

203 17.7 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2029

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

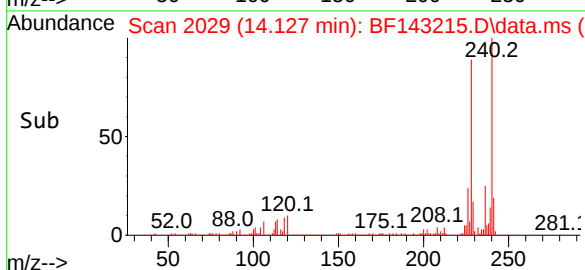
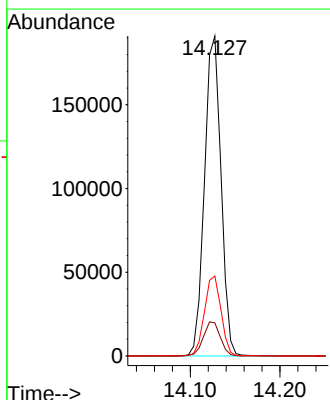
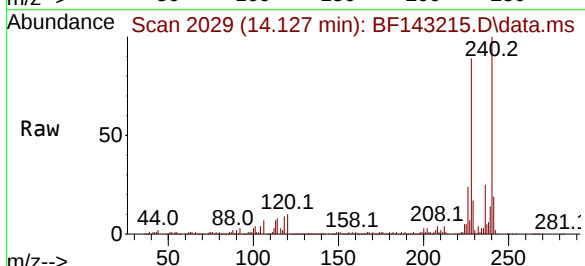
Tgt Ion:240 Resp: 244161

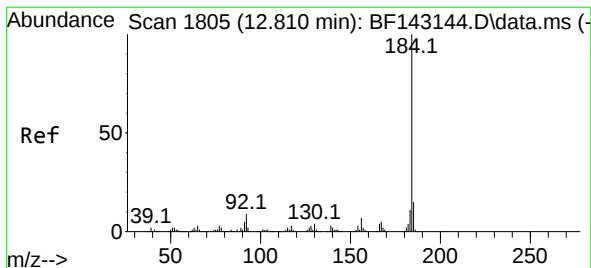
Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.2

236 25.0 20.2 30.4





#77

Benzidine

Concen: 50.668 ng

RT: 12.810 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

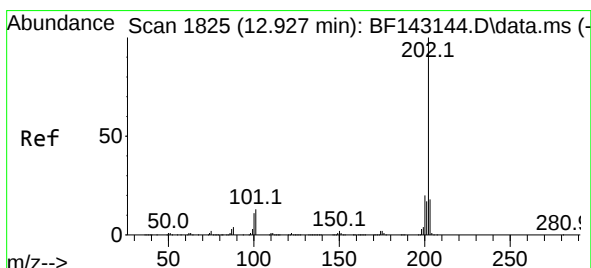
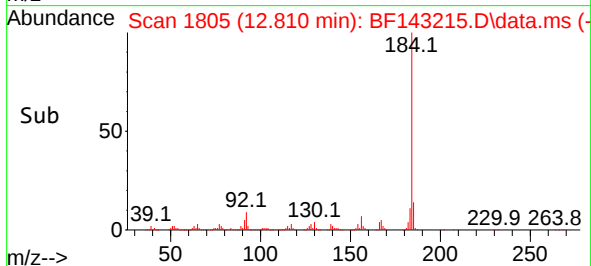
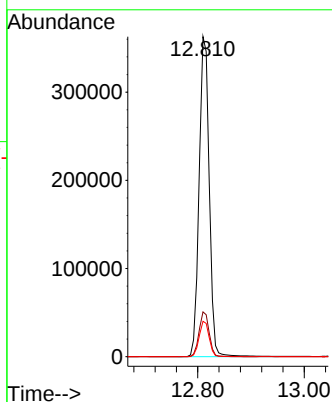
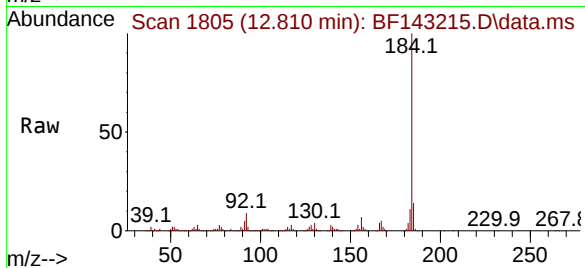
Tgt Ion:184 Resp: 476629

Ion Ratio Lower Upper

184 100

185 14.0 12.2 18.4

183 11.0 9.0 13.4



#78

Pyrene

Concen: 47.010 ng

RT: 12.927 min Scan# 1825

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

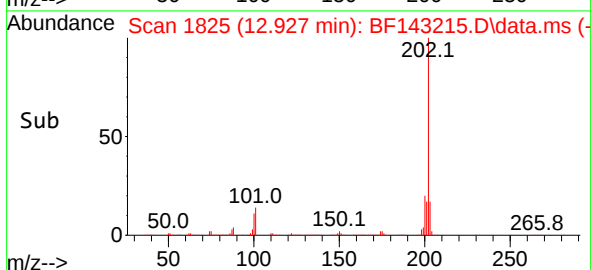
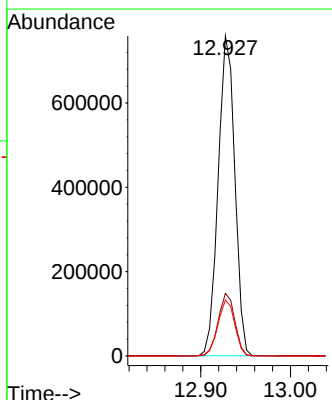
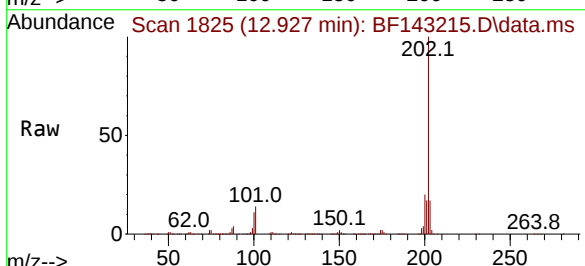
Tgt Ion:202 Resp: 979588

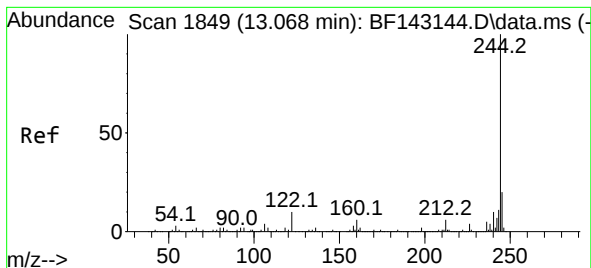
Ion Ratio Lower Upper

202 100

200 19.6 15.7 23.5

203 17.5 14.2 21.2





#79

Terphenyl-d14

Concen: 85.720 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

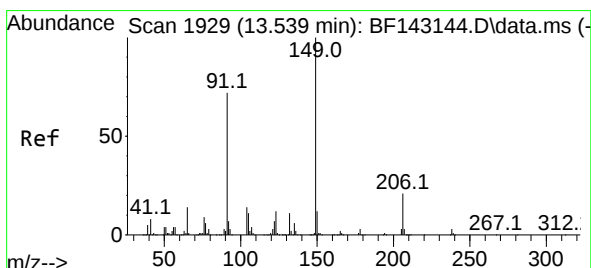
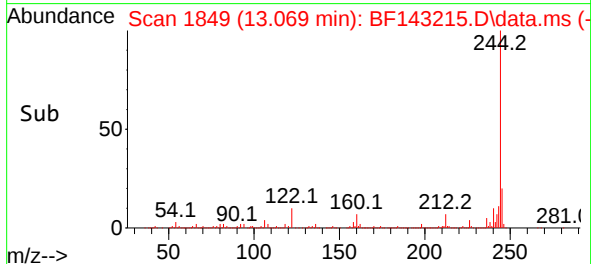
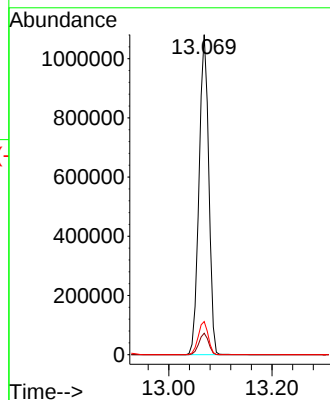
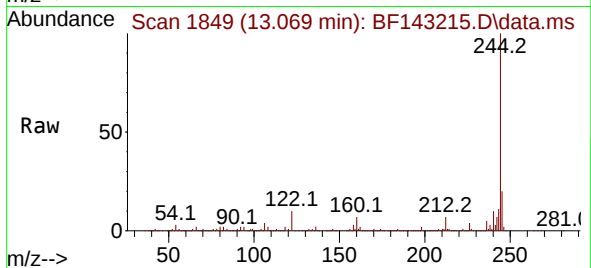
Tgt Ion:244 Resp: 1406445

Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

122 10.3 8.2 12.2



#80

Butylbenzylphthalate

Concen: 59.443 ng

RT: 13.539 min Scan# 1929

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

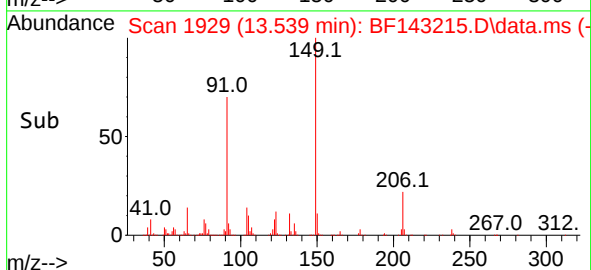
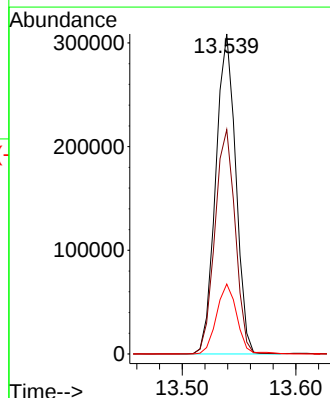
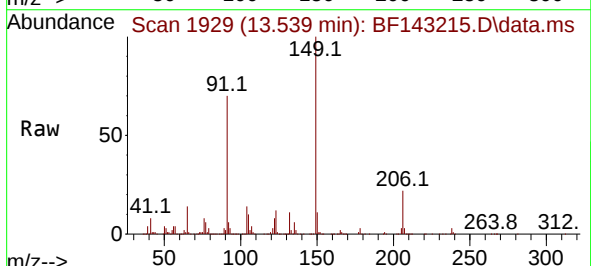
Tgt Ion:149 Resp: 379300

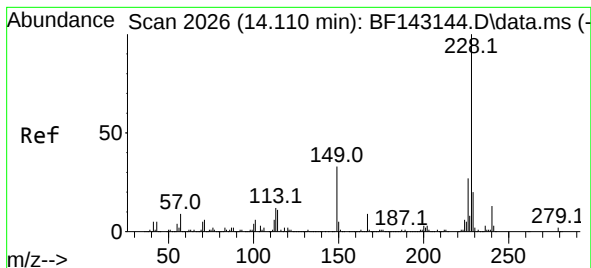
Ion Ratio Lower Upper

149 100

91 70.1 57.9 86.9

206 21.9 17.0 25.4





#81

Benzo(a)anthracene

Concen: 45.797 ng

RT: 14.116 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

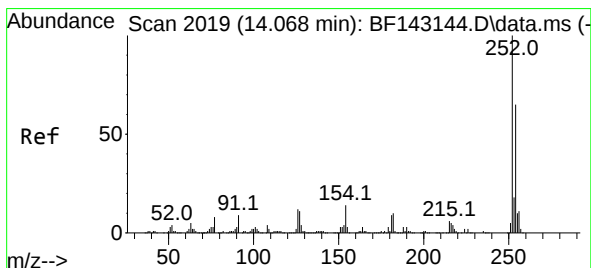
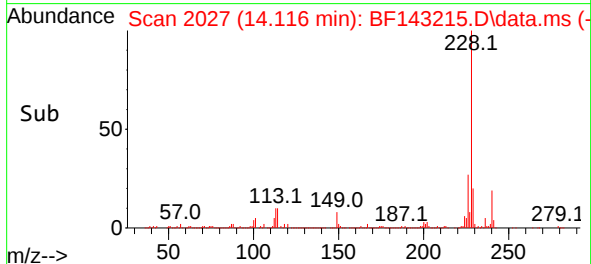
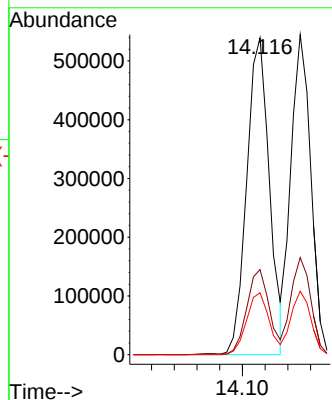
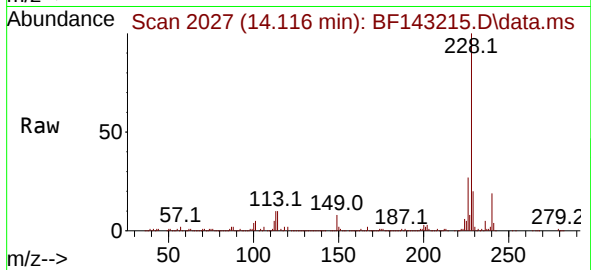
Tgt Ion:228 Resp: 748619

Ion Ratio Lower Upper

228 100

226 26.9 21.7 32.5

229 19.6 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 25.204 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

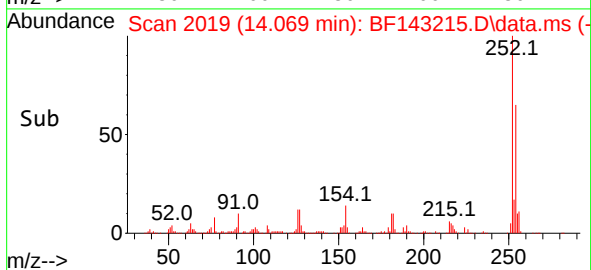
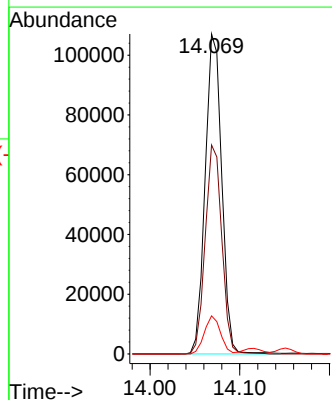
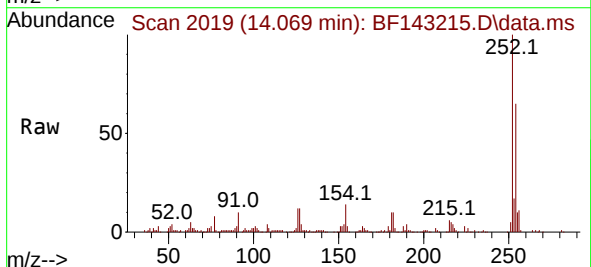
Tgt Ion:252 Resp: 137313

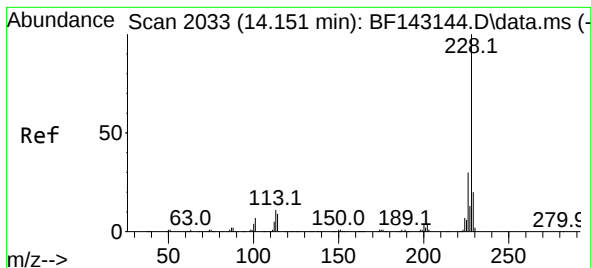
Ion Ratio Lower Upper

252 100

254 65.3 51.7 77.5

126 11.9 9.4 14.0





#83

Chrysene

Concen: 45.286 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

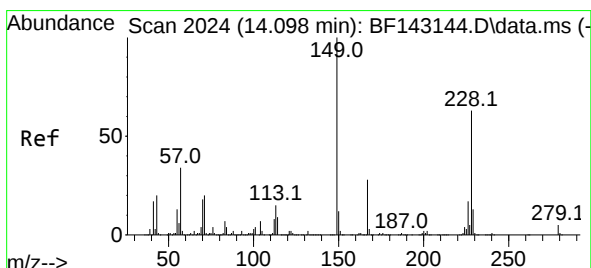
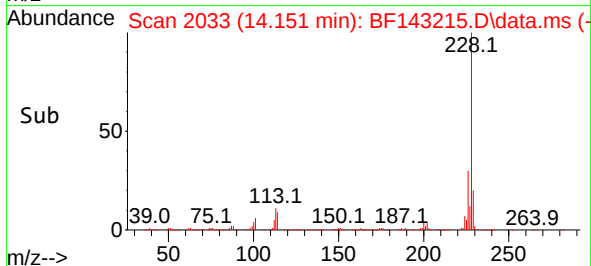
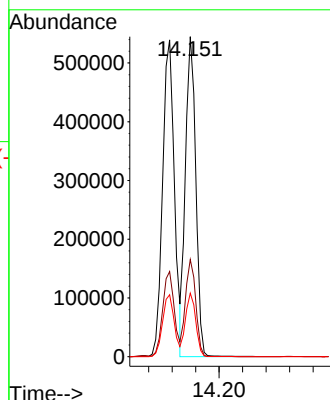
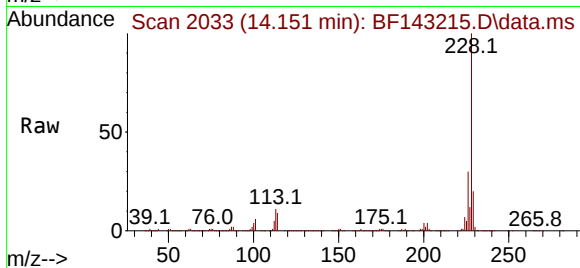
Tgt Ion:228 Resp: 665571

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

229 19.9 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.274 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

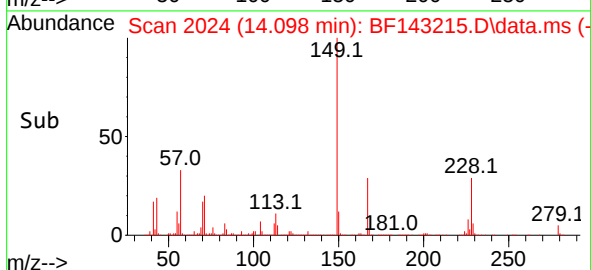
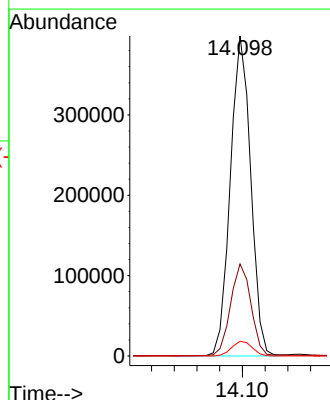
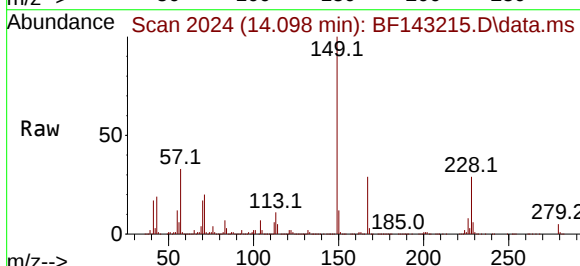
Tgt Ion:149 Resp: 495206

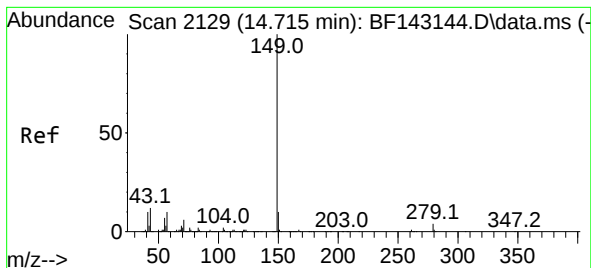
Ion Ratio Lower Upper

149 100

167 28.8 22.3 33.5

279 4.6 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 46.722 ng

RT: 14.716 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

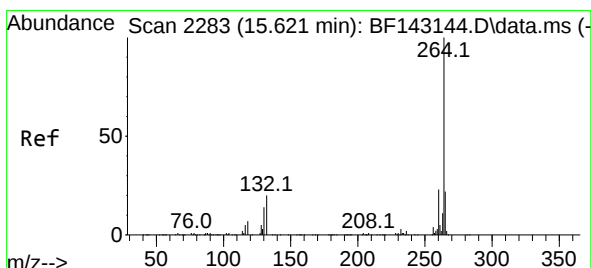
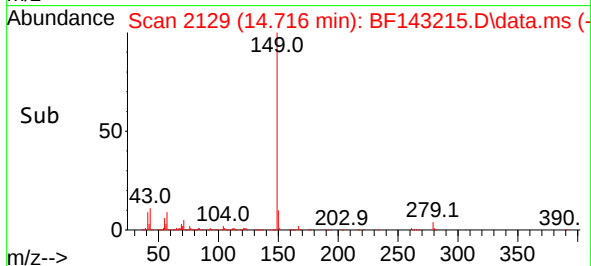
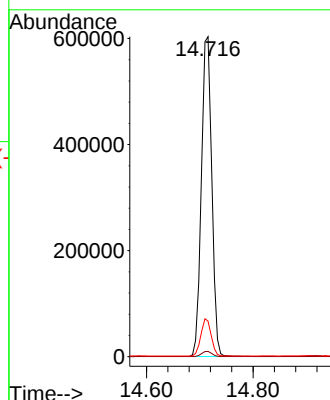
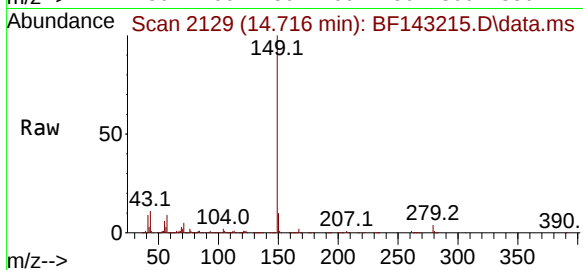
Tgt Ion:149 Resp: 817940

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 11.5 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.627 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

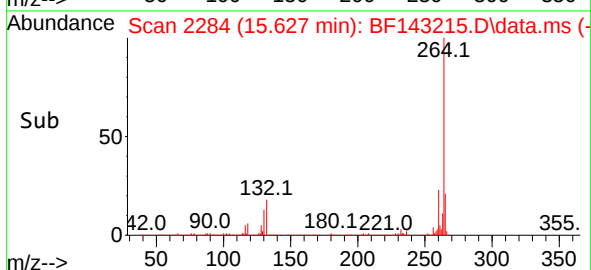
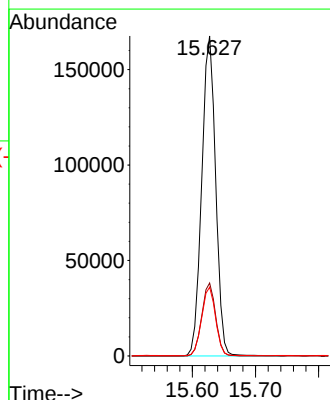
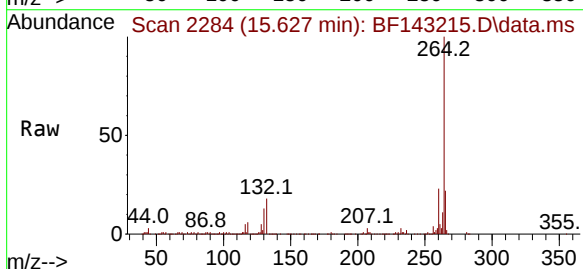
Tgt Ion:264 Resp: 257113

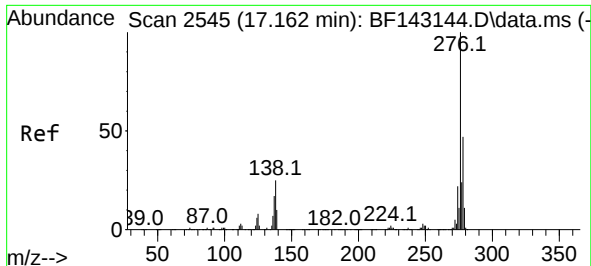
Ion Ratio Lower Upper

264 100

260 22.8 18.5 27.7

265 21.5 17.4 26.2

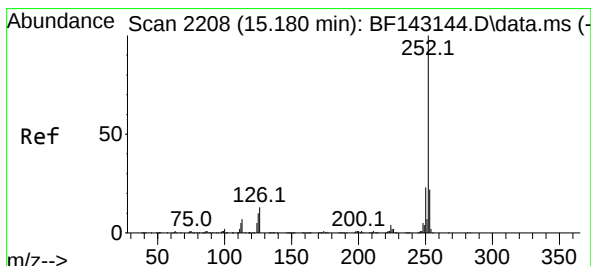
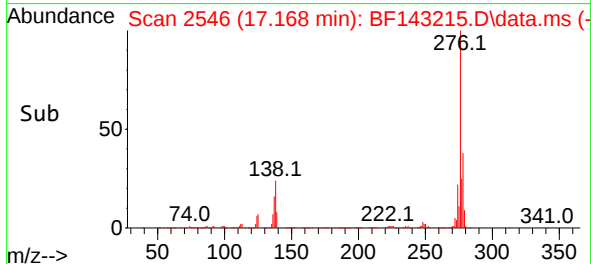
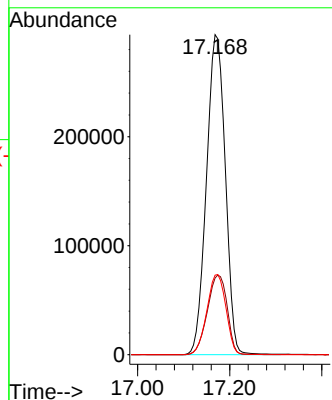
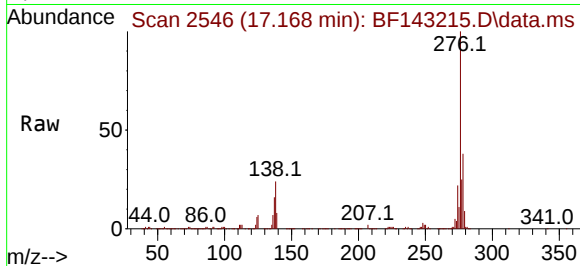




#87
Indeno(1,2,3-cd)pyrene
Concen: 46.122 ng
RT: 17.168 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

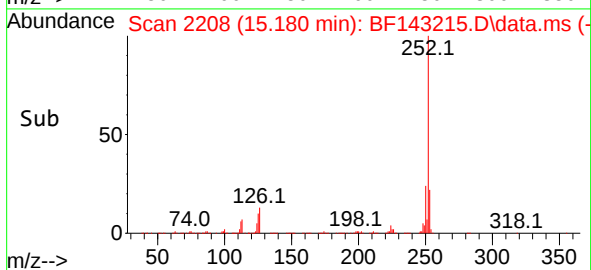
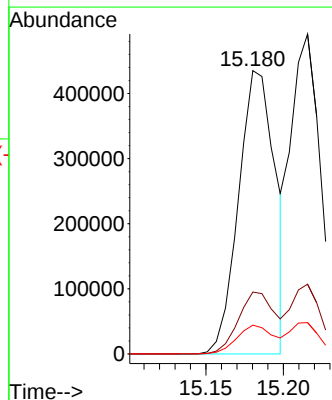
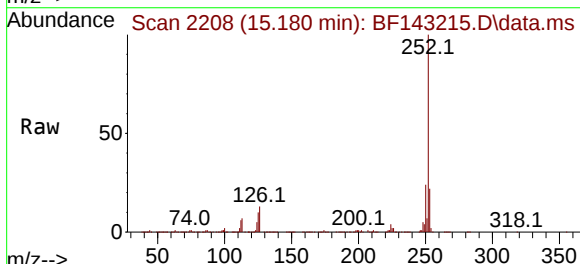
Instrument :
BNA_F
ClientSampleId :
PB168948BS

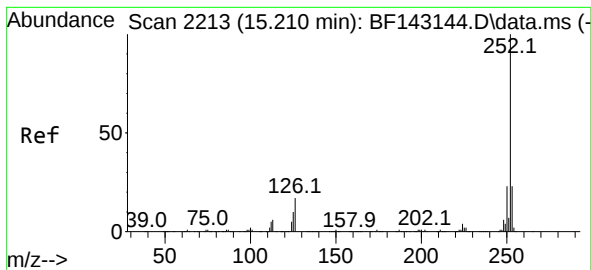
Tgt Ion:276 Resp: 836182
Ion Ratio Lower Upper
276 100
138 26.1 21.8 32.6
277 25.4 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 45.438 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143215.D
Acq: 23 Jul 2025 16:59

Tgt Ion:252 Resp: 713703
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.1 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 46.747 ng

RT: 15.216 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

Instrument :

BNA_F

ClientSampleId :

PB168948BS

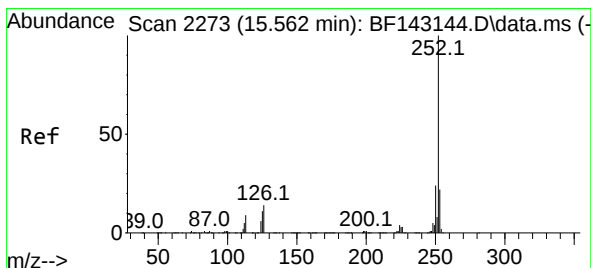
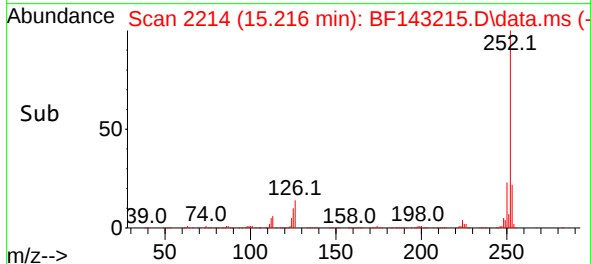
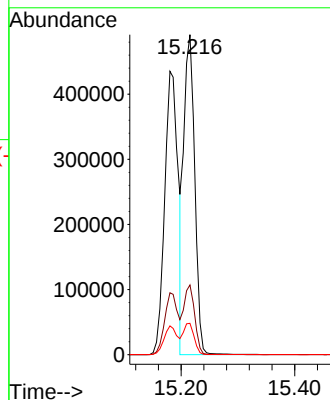
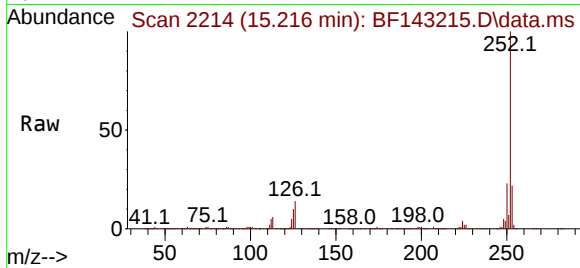
Tgt Ion:252 Resp: 655222

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 9.8 8.1 12.1



#90

Benzo(a)pyrene

Concen: 46.172 ng

RT: 15.563 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143215.D

Acq: 23 Jul 2025 16:59

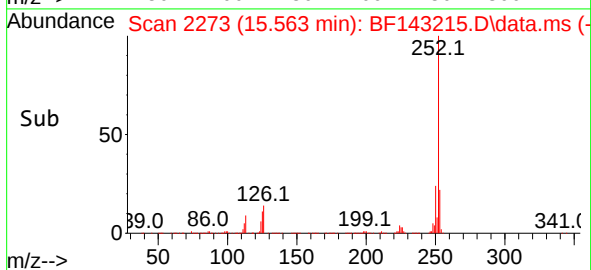
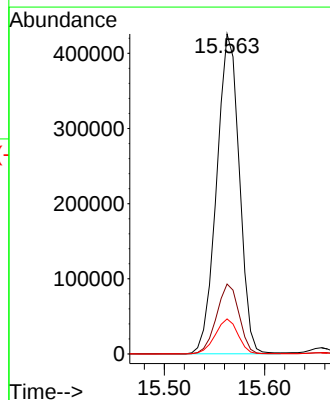
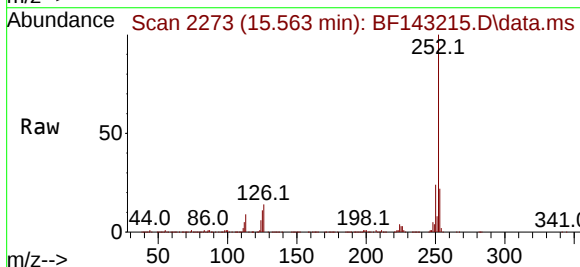
Tgt Ion:252 Resp: 668195

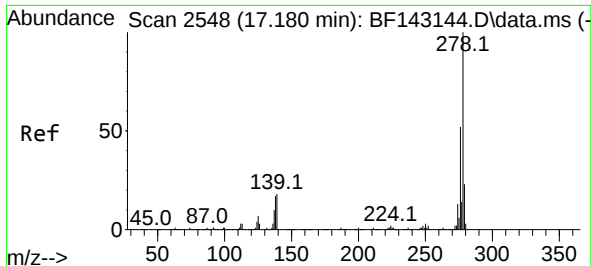
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.9 8.6 13.0

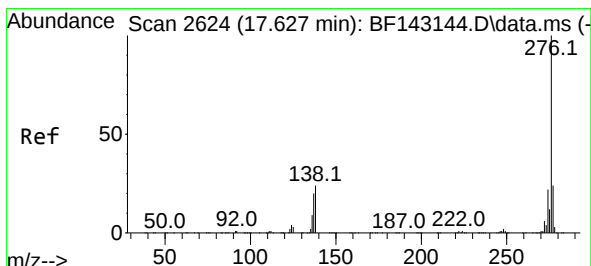
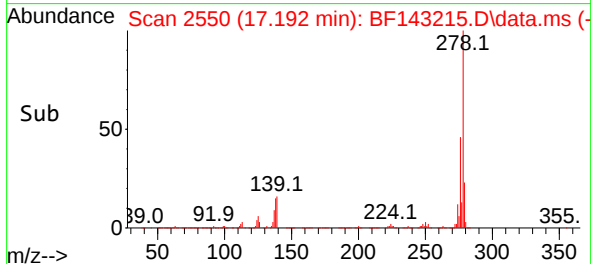
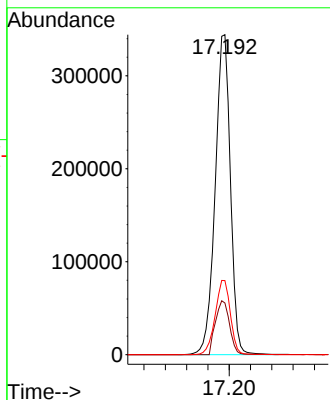
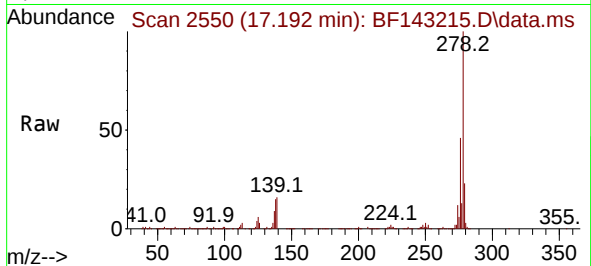




#91
 Dibenzo(a,h)anthracene
 Concen: 46.242 ng
 RT: 17.192 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF143215.D
 Acq: 23 Jul 2025 16:59

Instrument :
 BNA_F
 ClientSampleId :
 PB168948BS

Tgt Ion:278 Resp: 682369
 Ion Ratio Lower Upper
 278 100
 139 16.1 14.1 21.1
 279 23.2 18.6 28.0



#92
 Benzo(g,h,i)perylene
 Concen: 47.472 ng
 RT: 17.639 min Scan# 2626
 Delta R.T. 0.012 min
 Lab File: BF143215.D
 Acq: 23 Jul 2025 16:59

Tgt Ion:276 Resp: 677636
 Ion Ratio Lower Upper
 276 100
 277 23.6 19.1 28.7
 138 22.6 18.9 28.3

