

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143328.D
 Acq On : 06 Aug 2025 14:18
 Operator : RC/JU
 Sample : Q2763-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2MSD

Quant Time: Aug 06 15:44:14 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	77296	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	265156	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	133341	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	242507	20.000	ng	0.00
76) Chrysene-d12	14.133	240	226614	20.000	ng	0.01
86) Perylene-d12	15.645	264	163037	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.604	112	348054	71.256	ng	0.02
7) Phenol-d6	6.592	99	394413	64.152	ng	0.00
23) Nitrobenzene-d5	7.516	82	266969	50.188	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	105939	76.907	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	435389	44.656	ng	0.00
79) Terphenyl-d14	13.068	244	533354	35.024	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.869	88	106039	45.880	ng	100
3) Pyridine	3.640	79	268666	44.786	ng	98
4) n-Nitrosodimethylamine	3.569	42	142921	46.144	ng	100
6) Aniline	6.622	93	145533	16.985	ng	# 80
8) 2-Chlorophenol	6.751	128	208221	40.668	ng	98
9) Benzaldehyde	6.510	77	137470	29.819	ng	97
10) Phenol	6.610	94	242132	36.151	ng	95
11) bis(2-Chloroethyl)ether	6.692	93	220607	43.018	ng	97
12) 1,3-Dichlorobenzene	6.904	146	233205	41.929	ng	99
13) 1,4-Dichlorobenzene	6.981	146	230444	41.142	ng	99
14) 1,2-Dichlorobenzene	7.134	146	224697	42.178	ng	99
15) Benzyl Alcohol	7.098	79	186605	39.751	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	358994	37.737	ng	96
17) 2-Methylphenol	7.216	107	159880	37.138	ng	97
18) Hexachloroethane	7.475	117	79874	41.192	ng	97
19) n-Nitroso-di-n-propyla...	7.363	70	141535	35.882	ng	98
20) 3+4-Methylphenols	7.363	107	188715	36.131	ng	# 64
22) Acetophenone	7.363	105	266692	42.483	ng	96
24) Nitrobenzene	7.539	77	230589	46.496	ng	100
25) Isophorone	7.775	82	385287	41.030	ng	100
26) 2-Nitrophenol	7.857	139	116171	53.974	ng	98
27) 2,4-Dimethylphenol	7.892	122	190473	43.415	ng	98
28) bis(2-Chloroethoxy)met...	7.981	93	244672	43.457	ng	100
29) 2,4-Dichlorophenol	8.104	162	150507	40.678	ng	99
30) 1,2,4-Trichlorobenzene	8.186	180	162135	40.562	ng	100
31) Naphthalene	8.263	128	546871	41.878	ng	100
32) Benzoic acid	7.998	122	106908	43.770	ng	99
33) 4-Chloroaniline	8.310	127	84487	15.845	ng	99
34) Hexachlorobutadiene	8.386	225	104688	42.873	ng	99
35) Caprolactam	8.669	113	51942	46.457	ng	100
36) 4-Chloro-3-methylphenol	8.792	107	157927	39.271	ng	99
37) 2-Methylnaphthalene	8.957	142	312282	39.299	ng	100
38) 1-Methylnaphthalene	9.057	142	317697	38.825	ng	99
40) 1,2,4,5-Tetrachloroben...	9.122	216	152711	39.668	ng	99
41) Hexachlorocyclopentadiene	9.110	237	56066	22.383	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	101413	38.063	ng	98

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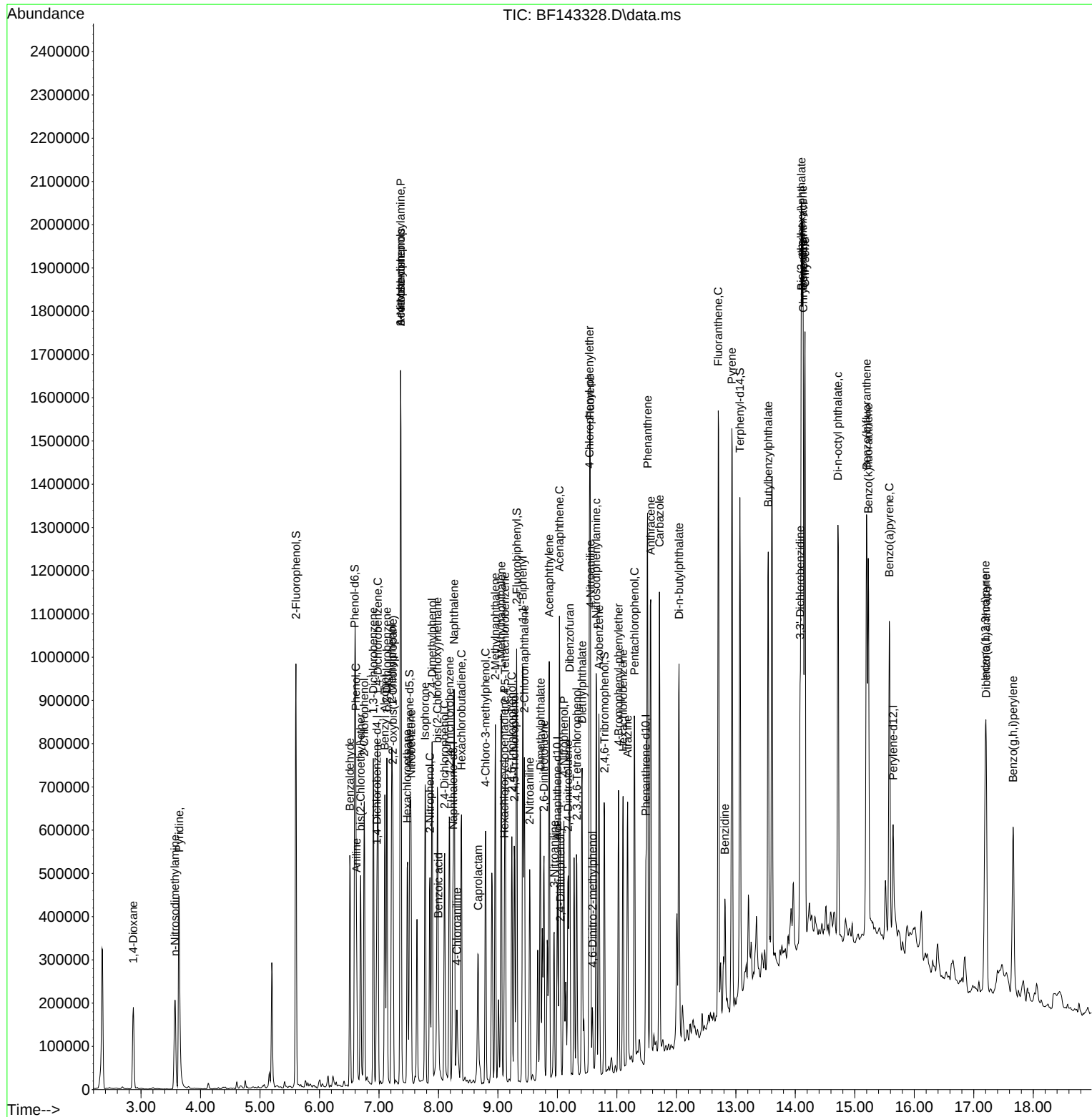
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	113452	42.569	ng	97
46) 1,1'-Biphenyl	9.416	154	421024	40.471	ng	100
47) 2-Chloronaphthalene	9.445	162	294496	38.258	ng	99
48) 2-Nitroaniline	9.533	65	115022	47.649	ng	100
49) Acenaphthylene	9.863	152	580881	45.029	ng	99
50) Dimethylphthalate	9.716	163	363196	41.787	ng	99
51) 2,6-Dinitrotoluene	9.775	165	87545	49.513	ng	98
52) Acenaphthene	10.033	154	333951	43.800	ng	98
53) 3-Nitroaniline	9.945	138	76338	36.912	ng	95
54) 2,4-Dinitrophenol	10.051	184	31930	43.190	ng	# 1
55) Dibenzofuran	10.204	168	458644	40.516	ng	100
56) 4-Nitrophenol	10.110	139	140313	90.856	ng	98
57) 2,4-Dinitrotoluene	10.180	165	114104	51.438	ng	92
58) Fluorene	10.551	166	391425	46.072	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.327	232	92027	41.685	ng	# 97
60) Diethylphthalate	10.416	149	373370	43.462	ng	99
61) 4-Chlorophenyl-phenylether	10.539	204	187900	44.416	ng	99
62) 4-Nitroaniline	10.557	138	79822	45.034	ng	98
63) Azobenzene	10.698	77	412403	46.061	ng	96
65) 4,6-Dinitro-2-methylph...	10.592	198	26024	23.575	ng	97
66) n-Nitrosodiphenylamine	10.651	169	330768	38.734	ng	99
67) 4-Bromophenyl-phenylether	11.027	248	103746	35.898	ng	99
68) Hexachlorobenzene	11.104	284	115935	38.380	ng	98
69) Atrazine	11.180	200	95484	40.558	ng	100
70) Pentachlorophenol	11.298	266	139449	78.500	ng	99
71) Phenanthrene	11.516	178	665661	51.696	ng	99
72) Anthracene	11.569	178	577439	43.970	ng	99
73) Carbazole	11.716	167	588690	51.337	ng	100
74) Di-n-butylphthalate	12.045	149	620508	47.823	ng	100
75) Fluoranthene	12.704	202	837113	70.829	ng	99
77) Benzidine	12.816	184	150932	17.287	ng	99
78) Pyrene	12.933	202	820589	42.429	ng	98
80) Butylbenzylphthalate	13.545	149	308896	52.158	ng	97
81) Benzo(a)anthracene	14.127	228	837438	55.197	ng	98
82) 3,3'-Dichlorobenzidine	14.080	252	164761	32.583	ng	99
83) Chrysene	14.163	228	697253	51.115	ng	99
84) Bis(2-ethylhexyl)phtha...	14.104	149	600300	66.969	ng	99
85) Di-n-octyl phthalate	14.715	149	640779	39.437	ng	98
87) Indeno(1,2,3-cd)pyrene	17.198	276	432800	37.647	ng	98
88) Benzo(b)fluoranthene	15.198	252	682609	68.534	ng	98
89) Benzo(k)fluoranthene	15.227	252	480156	54.024	ng	99
90) Benzo(a)pyrene	15.580	252	499008	54.378	ng	99
91) Dibenzo(a,h)anthracene	17.209	278	310806	33.216	ng	99
92) Benzo(g,h,i)perylene	17.662	276	353039	39.003	ng	100

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

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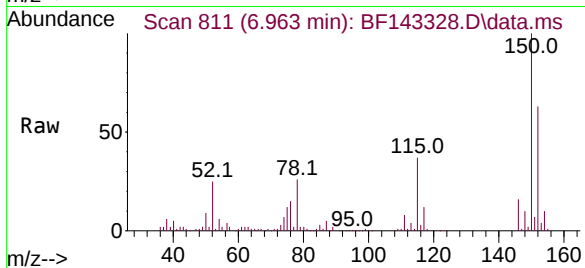
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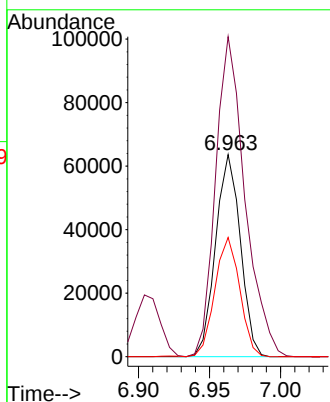
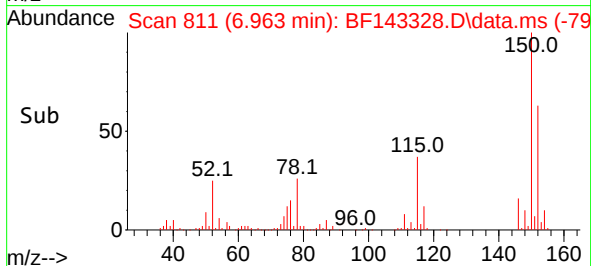


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF143328.D
 Acq: 06 Aug 2025 14:18

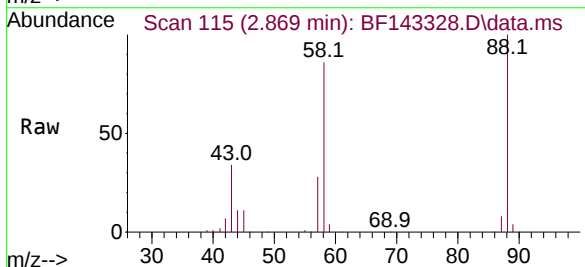
Instrument :
 BNA_F
 ClientSampleId :
 TP-2MSD



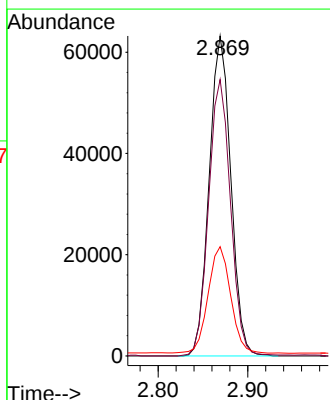
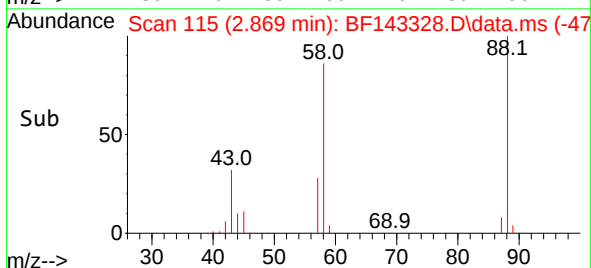
Tgt Ion:152 Resp: 77296
 Ion Ratio Lower Upper
 152 100
 150 158.3 128.2 192.4
 115 59.0 47.9 71.9

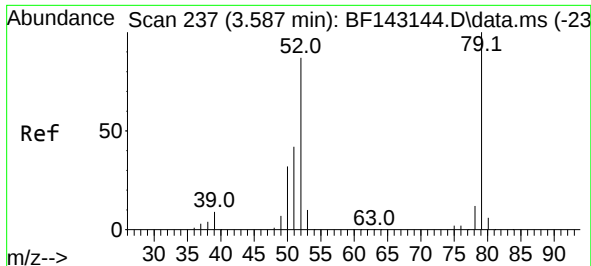


#2
 1,4-Dioxane
 Concen: 45.880 ng
 RT: 2.869 min Scan# 115
 Delta R.T. 0.047 min
 Lab File: BF143328.D
 Acq: 06 Aug 2025 14:18



Tgt Ion: 88 Resp: 106039
 Ion Ratio Lower Upper
 88 100
 58 87.7 70.2 105.2
 43 34.8 27.1 40.7





#3

Pyridine

Concen: 44.786 ng

RT: 3.640 min Scan# 24

Delta R.T. 0.053 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

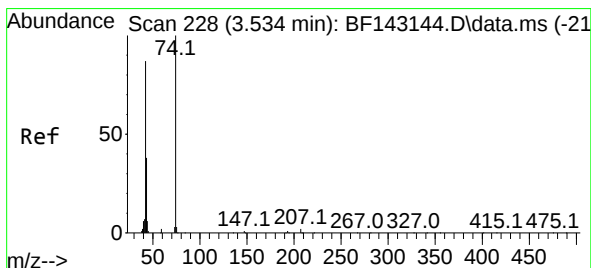
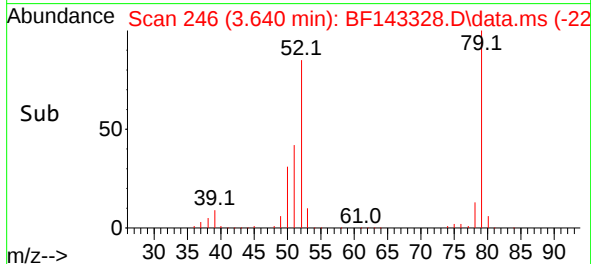
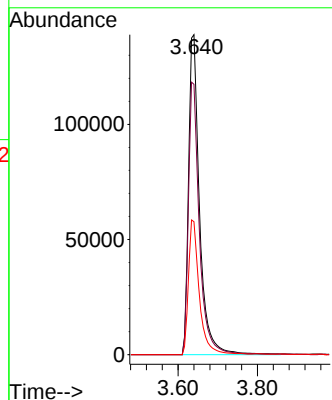
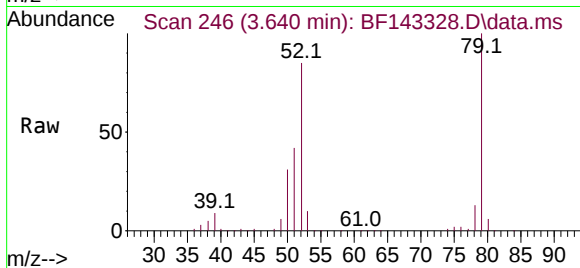
Tgt Ion: 79 Resp: 268666

Ion Ratio Lower Upper

79 100

52 84.5 69.4 104.2

51 41.6 33.5 50.3



#4

n-Nitrosodimethylamine

Concen: 46.144 ng

RT: 3.569 min Scan# 234

Delta R.T. 0.035 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

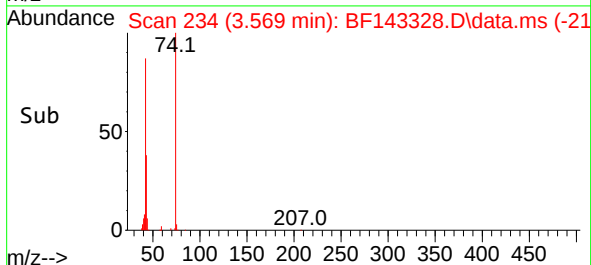
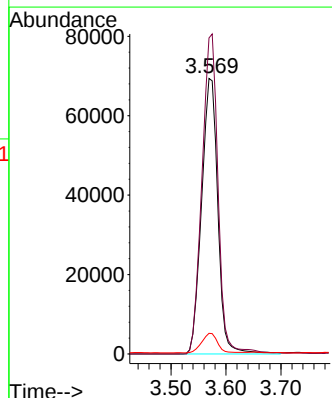
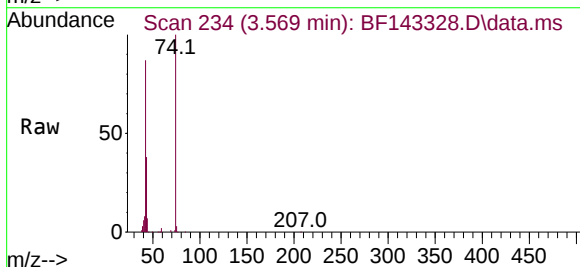
Tgt Ion: 42 Resp: 142921

Ion Ratio Lower Upper

42 100

74 114.7 91.7 137.5

44 7.5 5.6 8.4

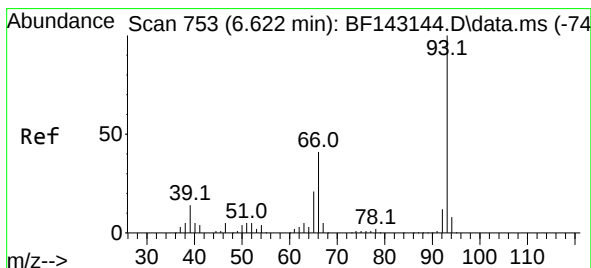
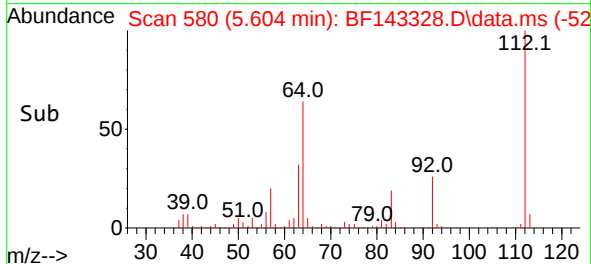
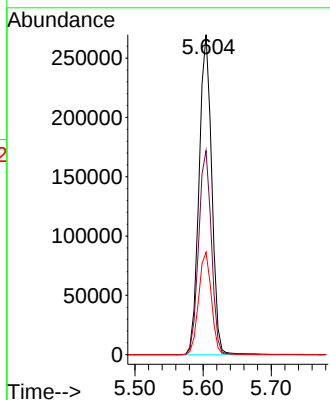
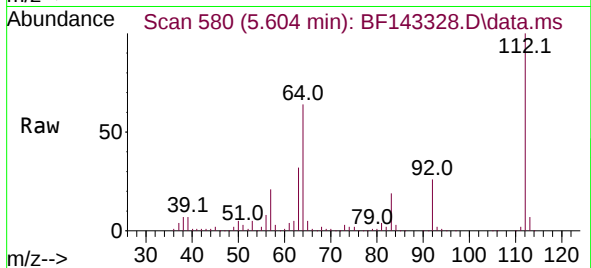




#5
2-Fluorophenol
Concen: 71.256 ng
RT: 5.604 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

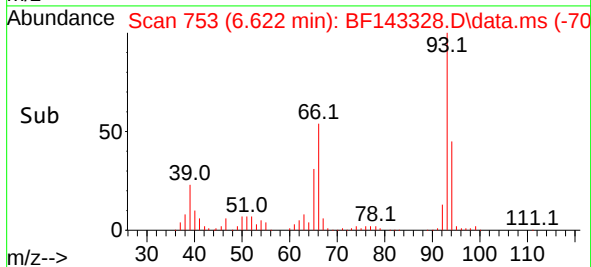
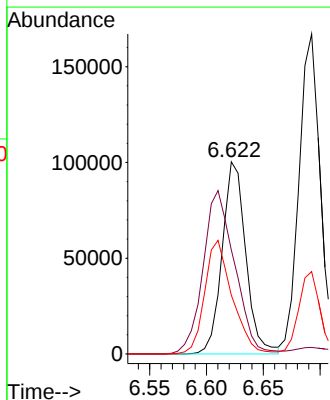
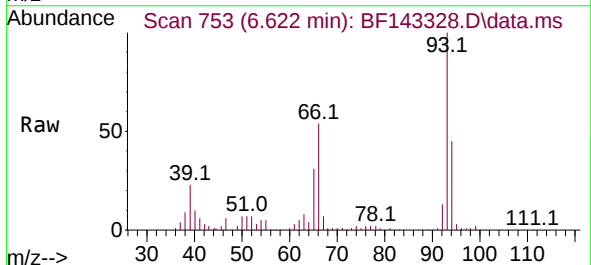
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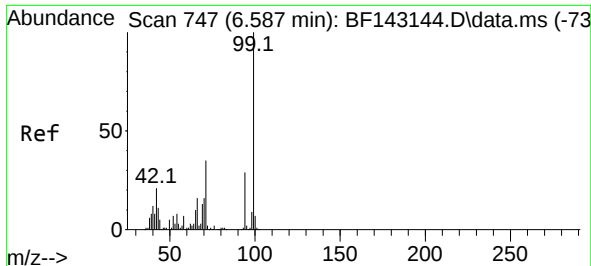
Tgt Ion:112 Resp: 348054
Ion Ratio Lower Upper
112 100
64 63.7 53.1 79.7
63 32.0 26.6 40.0



#6
Aniline
Concen: 16.985 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion: 93 Resp: 145533
Ion Ratio Lower Upper
93 100
66 54.1 33.2 49.8#
65 30.6 16.9 25.3#

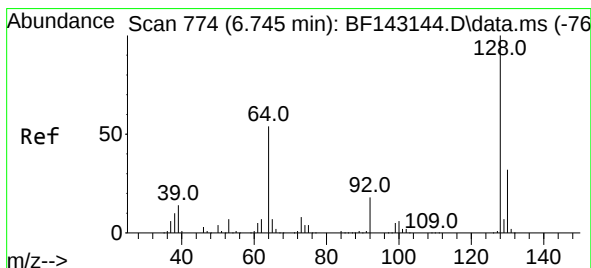
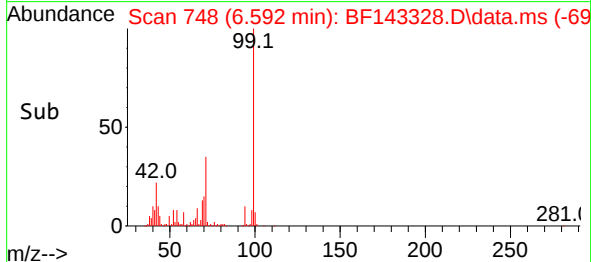
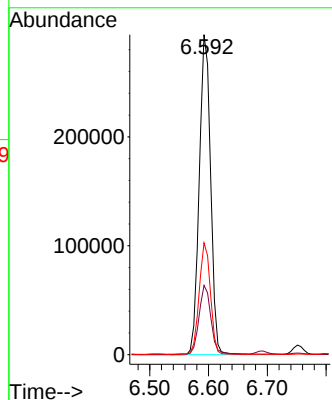
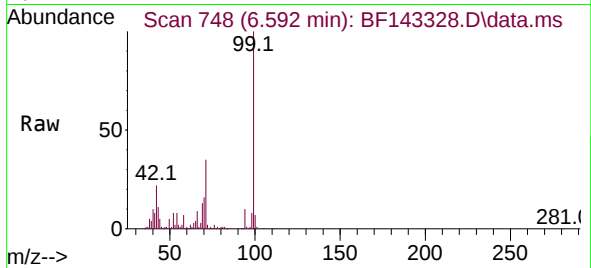




#7
Phenol-d6
Concen: 64.152 ng
RT: 6.592 min Scan# 748
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

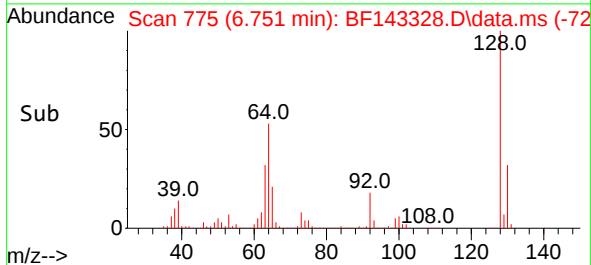
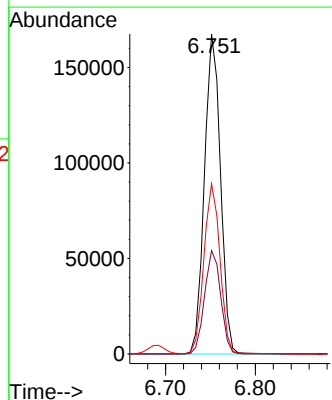
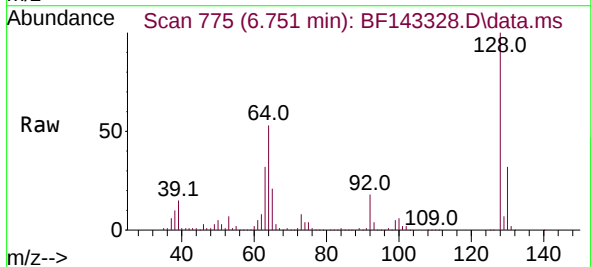
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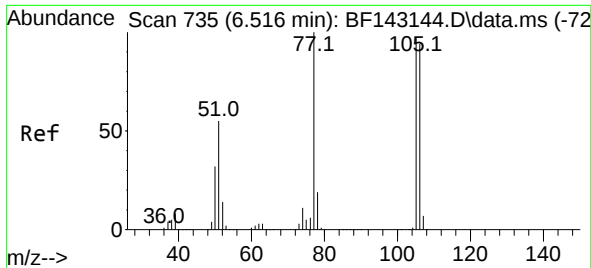
Tgt Ion: 99 Resp: 394413
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 35.0 27.7 41.5



#8
2-Chlorophenol
Concen: 40.668 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion: 128 Resp: 208221
Ion Ratio Lower Upper
128 100
130 32.3 12.3 52.3
64 53.2 35.9 75.9





#9

Benzaldehyde

Concen: 29.819 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

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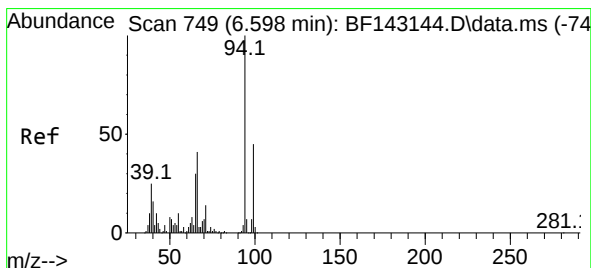
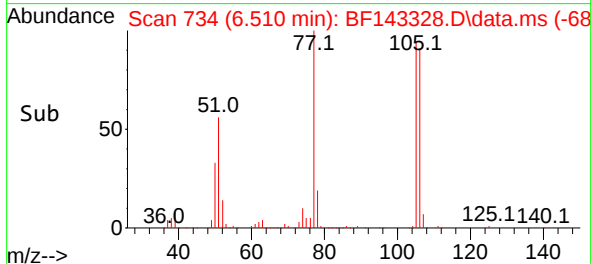
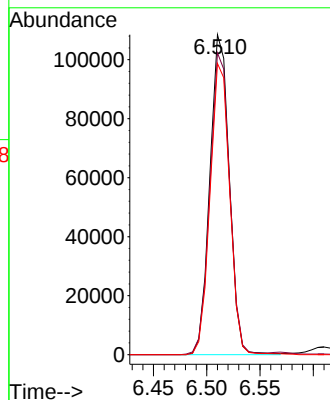
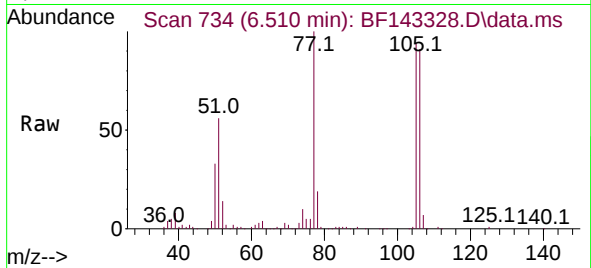
Tgt Ion: 77 Resp: 137470

Ion Ratio Lower Upper

77 100

105 94.3 76.8 116.8

106 91.0 74.4 114.4



#10

Phenol

Concen: 36.151 ng

RT: 6.610 min Scan# 751

Delta R.T. 0.012 min

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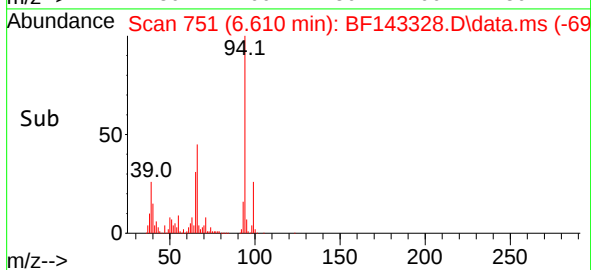
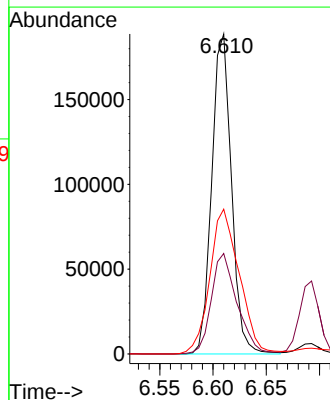
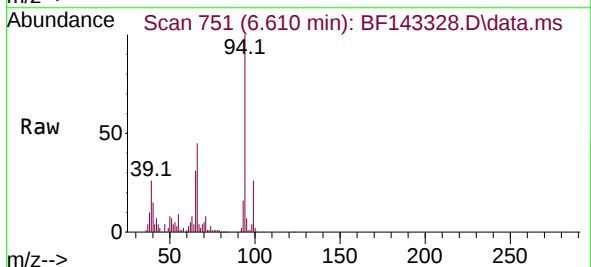
Tgt Ion: 94 Resp: 242132

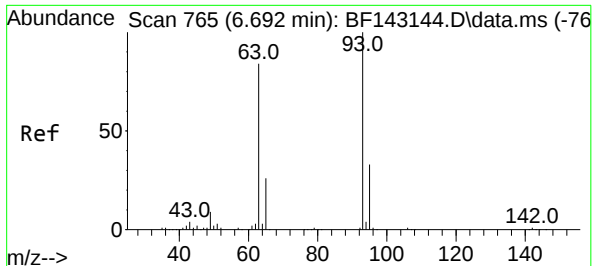
Ion Ratio Lower Upper

94 100

65 31.4 10.0 50.0

66 45.2 20.8 60.8





#11

bis(2-Chloroethyl)ether

Concen: 43.018 ng

RT: 6.692 min Scan# 765

Delta R.T. -0.000 min

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TP-2MSD

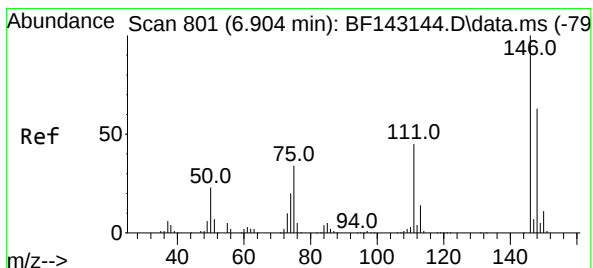
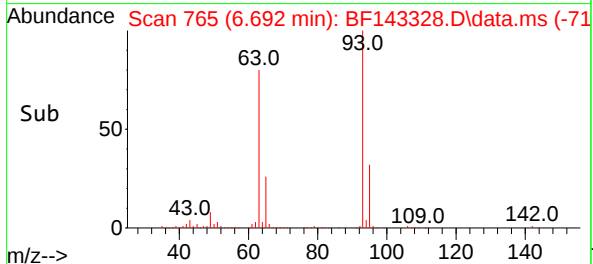
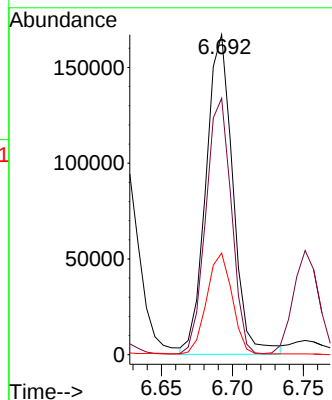
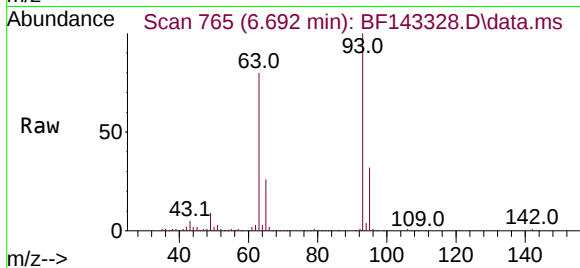
Tgt Ion: 93 Resp: 220607

Ion Ratio Lower Upper

93 100

63 80.1 63.4 103.4

95 31.7 12.4 52.4



#12

1,3-Dichlorobenzene

Concen: 41.929 ng

RT: 6.904 min Scan# 801

Delta R.T. -0.000 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

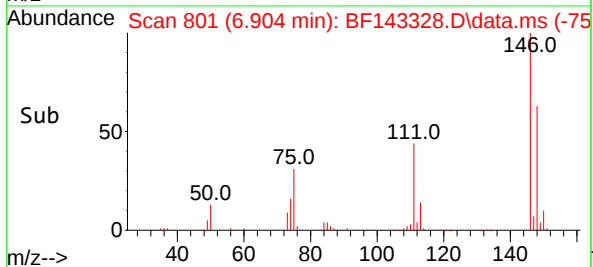
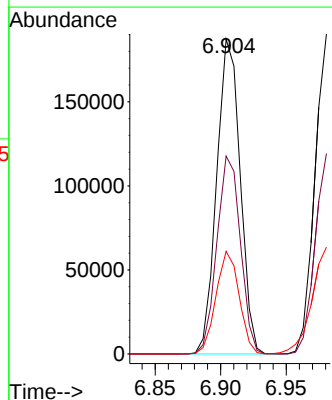
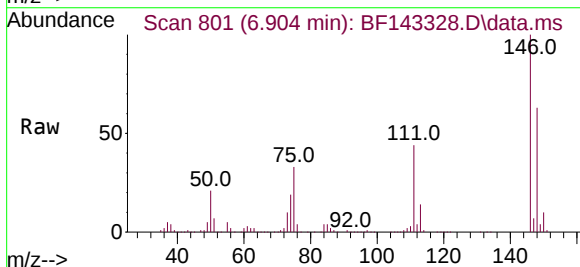
Tgt Ion: 146 Resp: 233205

Ion Ratio Lower Upper

146 100

148 62.8 50.6 76.0

75 32.6 27.4 41.2

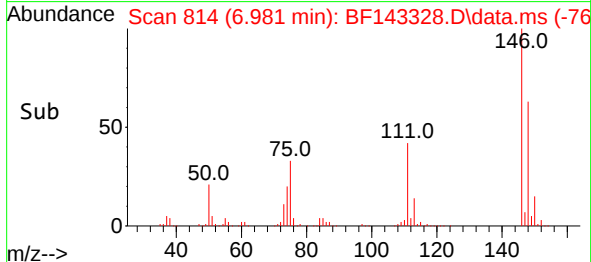
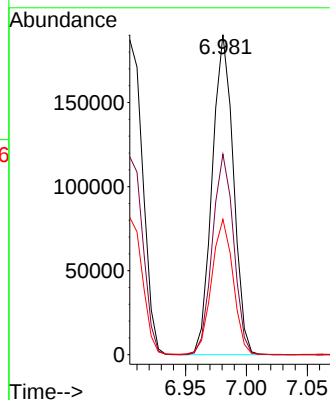
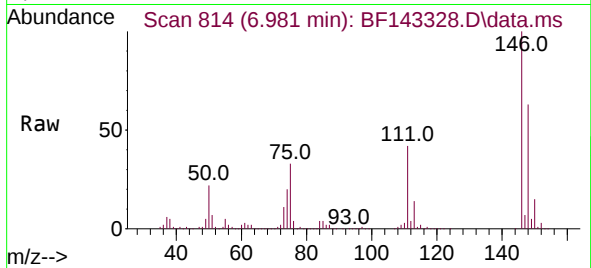




#13
1,4-Dichlorobenzene
Concen: 41.142 ng
RT: 6.981 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

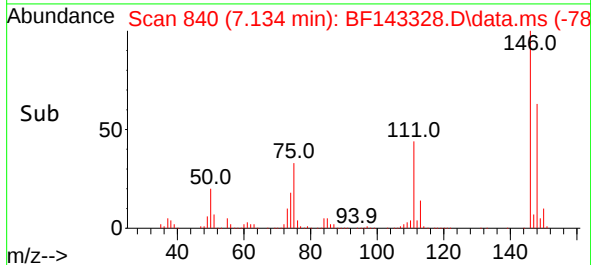
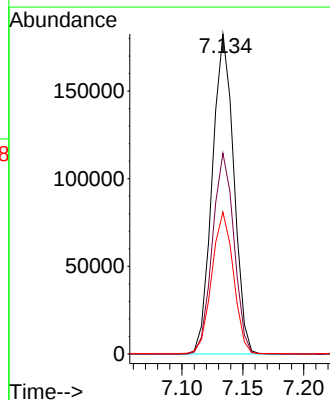
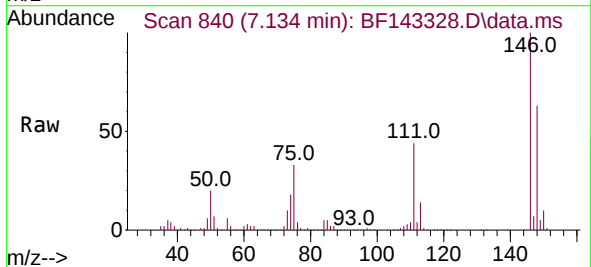
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

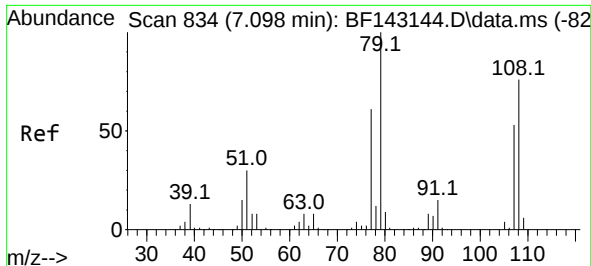
Tgt Ion:146 Resp: 230444
Ion Ratio Lower Upper
146 100
148 62.6 50.3 75.5
111 42.3 34.4 51.6



#14
1,2-Dichlorobenzene
Concen: 42.178 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:146 Resp: 224697
Ion Ratio Lower Upper
146 100
148 62.7 50.7 76.1
111 44.3 36.6 54.8

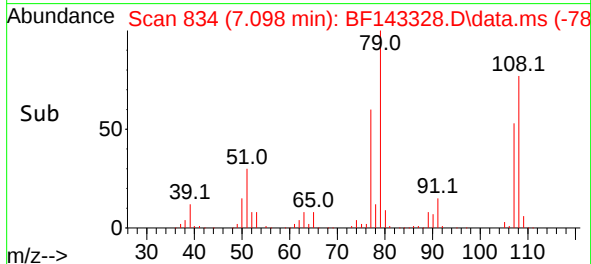
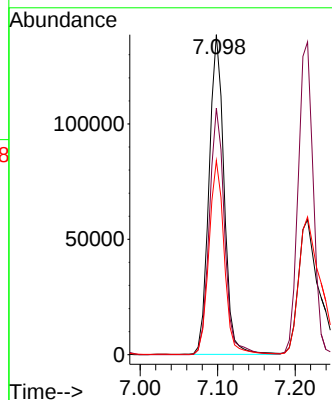
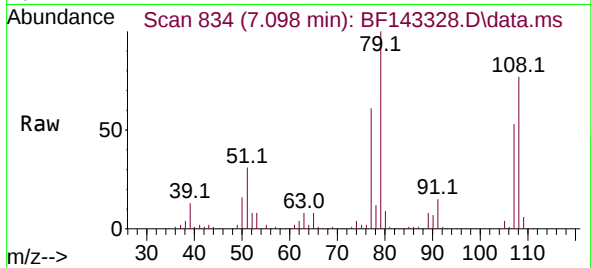




#15
Benzyl Alcohol
Concen: 39.751 ng
RT: 7.098 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

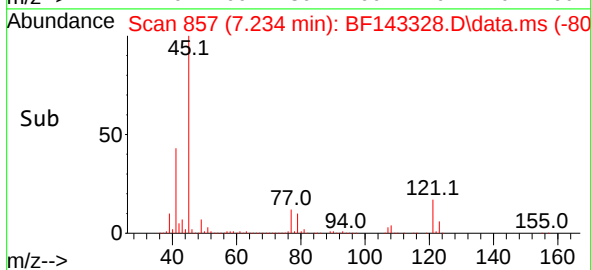
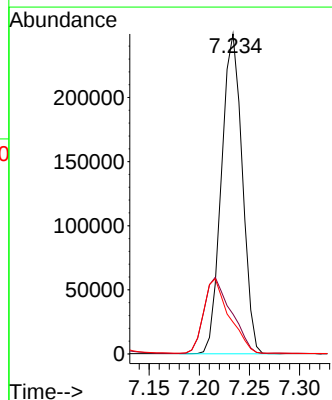
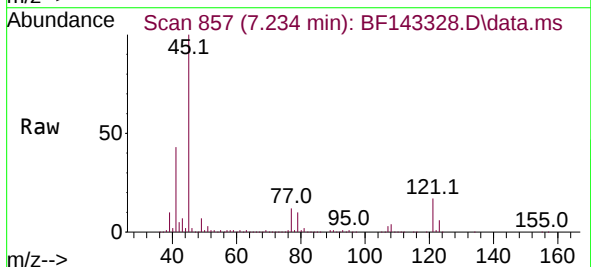
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

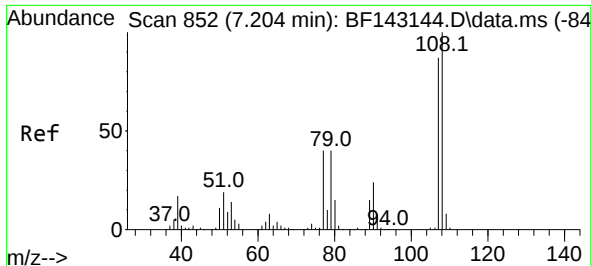
Tgt Ion: 79 Resp: 186605
Ion Ratio Lower Upper
79 100
108 77.1 61.1 91.7
77 60.7 48.9 73.3



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.737 ng
RT: 7.234 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion: 45 Resp: 358994
Ion Ratio Lower Upper
45 100
77 12.5 0.0 31.2
79 9.9 0.0 28.5

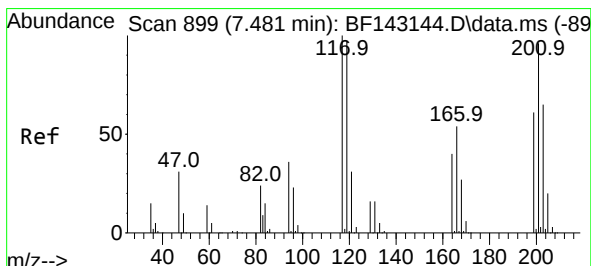
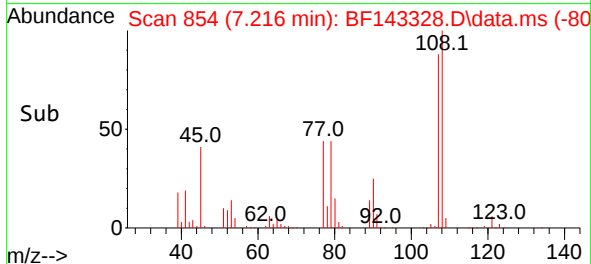
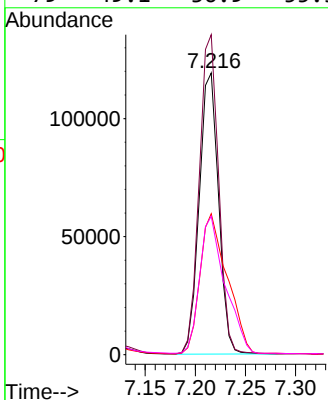
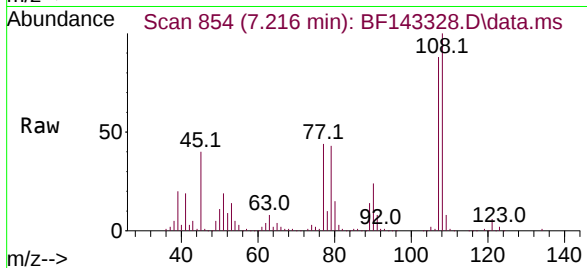




#17
2-Methylphenol
Concen: 37.138 ng
RT: 7.216 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

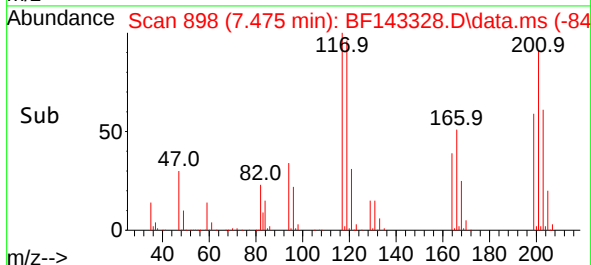
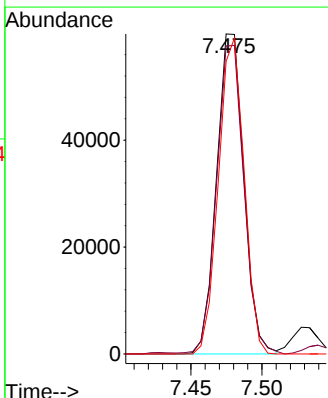
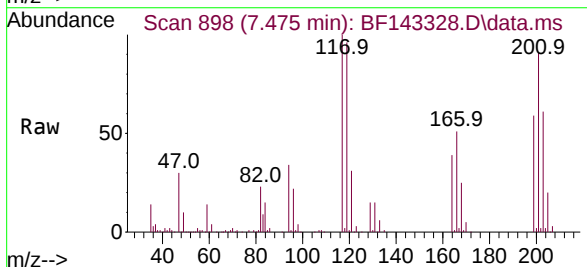
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

Tgt Ion:107 Resp: 159880
Ion Ratio Lower Upper
107 100
108 113.6 91.8 137.6
77 50.0 37.0 55.6
79 49.1 36.9 55.3



#18
Hexachloroethane
Concen: 41.192 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:117 Resp: 79874
Ion Ratio Lower Upper
117 100
119 96.2 77.8 116.8
201 91.5 77.0 115.4

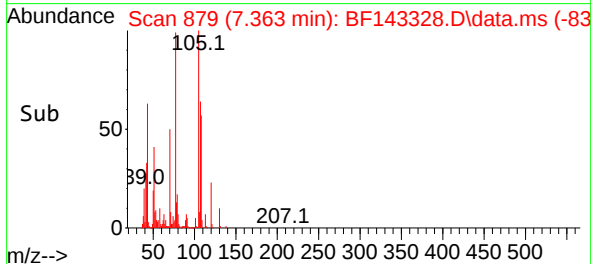
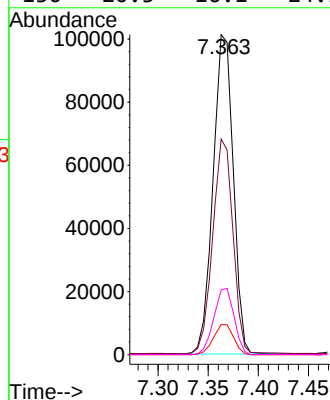
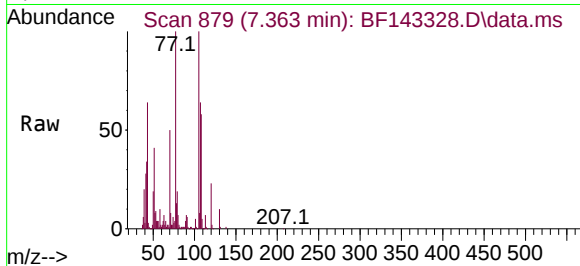




#19
n-Nitroso-di-n-propylamine
Concen: 35.882 ng
RT: 7.363 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

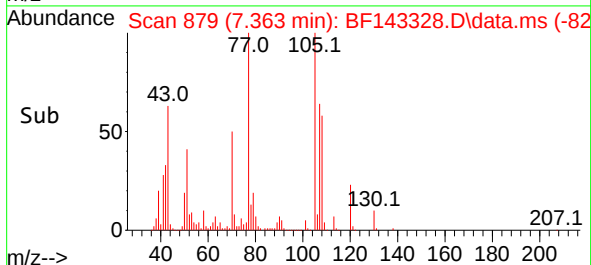
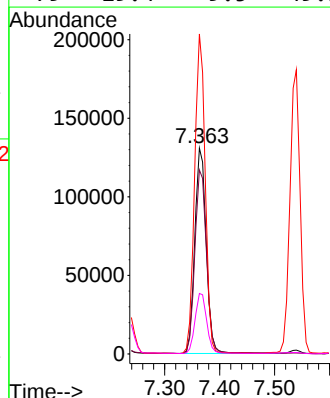
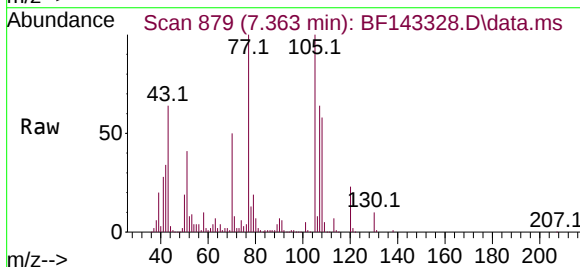
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

Tgt Ion:	70	Resp:	141535
Ion	Ratio	Lower	Upper
70	100		
42	67.4	52.5	78.7
101	9.4	7.6	11.4
130	20.3	16.1	24.1



#20
3+4-Methylphenols
Concen: 36.131 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:	107	Resp:	188715
Ion	Ratio	Lower	Upper
107	100		
108	89.4	70.0	110.0
77	155.4	57.8	97.8#
79	29.4	9.5	49.5

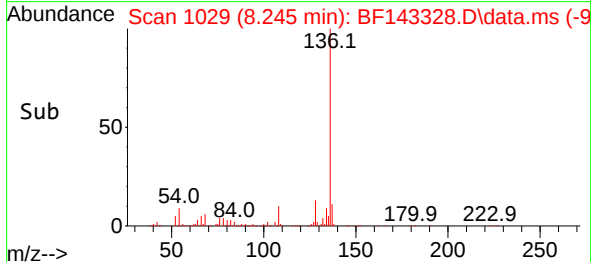
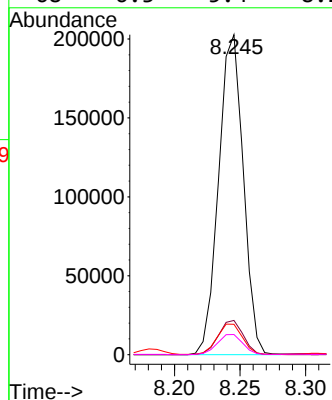
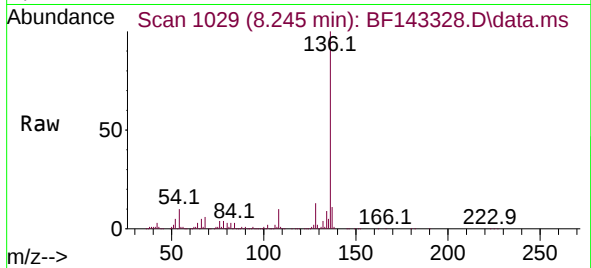




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

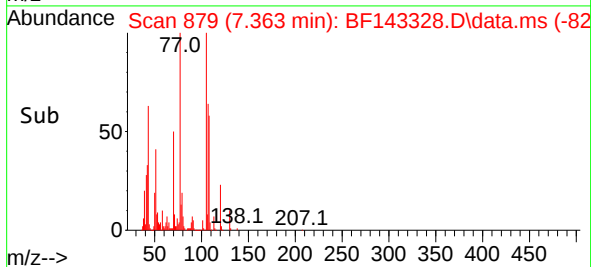
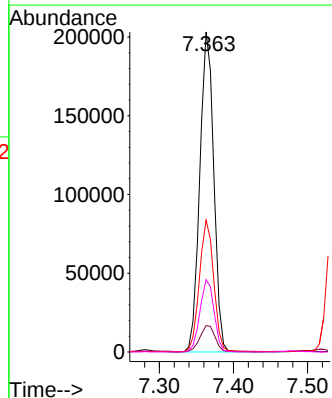
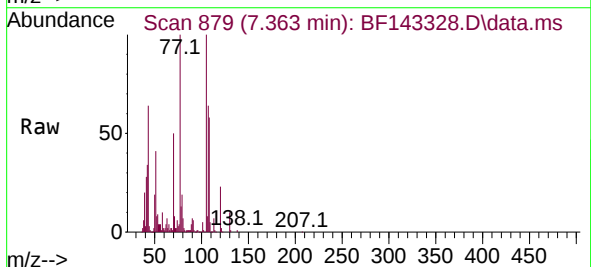
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

Tgt Ion:	136	Resp:	265156
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.6	13.0
54	9.5	8.2	12.2
68	6.3	5.4	8.2



#22
Acetophenone
Concen: 42.483 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:	105	Resp:	266692
Ion Ratio	Lower	Upper	
105	100		
71	8.2	5.8	8.6
51	41.2	30.2	45.2
120	22.6	18.2	27.4





#23

Nitrobenzene-d5

Concen: 50.188 ng

RT: 7.516 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

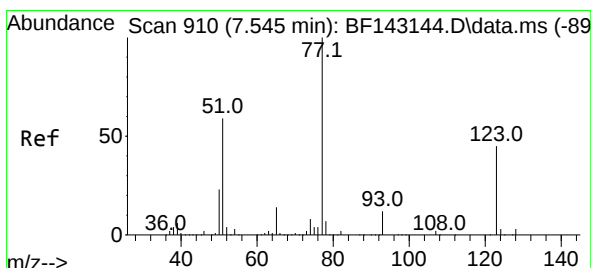
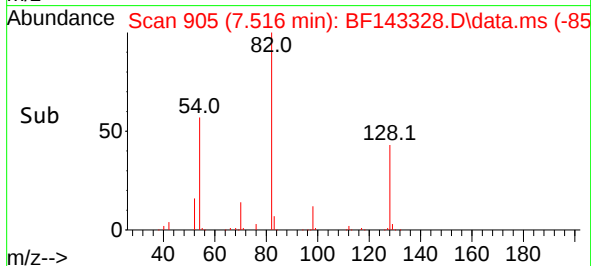
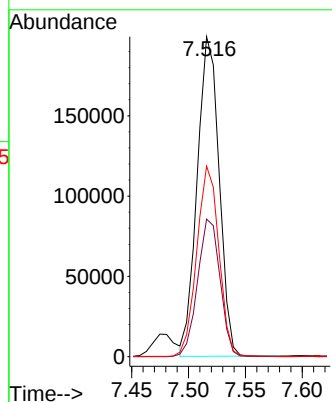
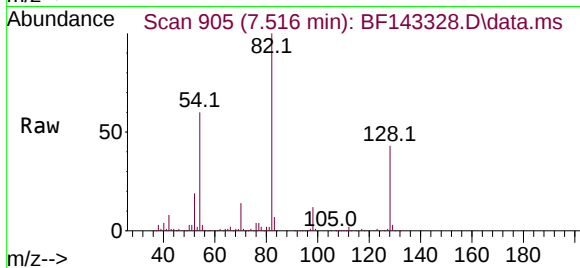
Tgt Ion: 82 Resp: 266969

Ion Ratio Lower Upper

82 100

128 43.0 33.6 50.4

54 59.5 47.1 70.7



#24

Nitrobenzene

Concen: 46.496 ng

RT: 7.539 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

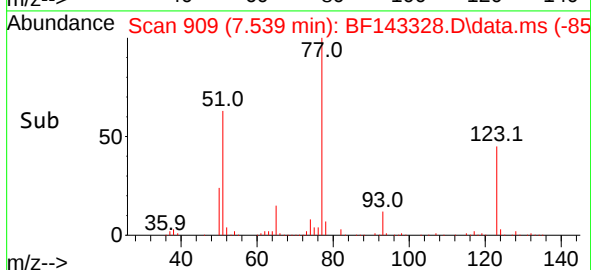
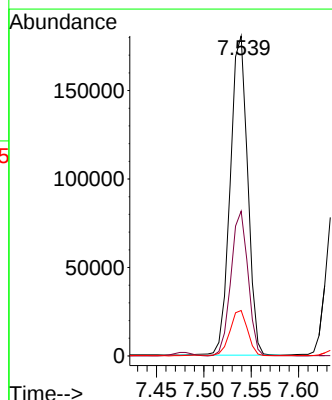
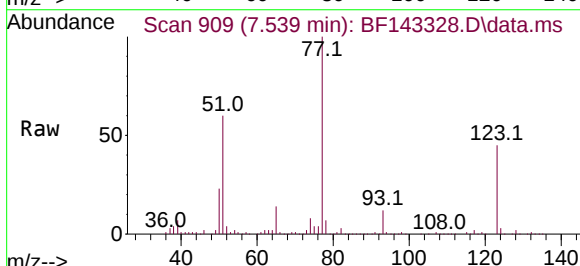
Tgt Ion: 77 Resp: 230589

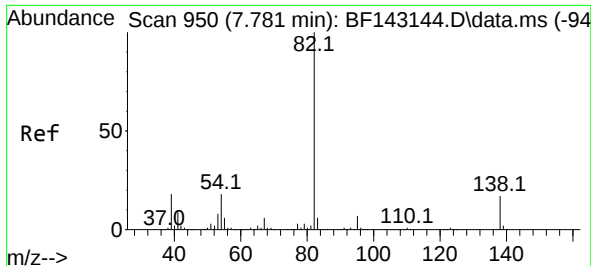
Ion Ratio Lower Upper

77 100

123 45.3 36.1 54.1

65 14.2 11.4 17.2

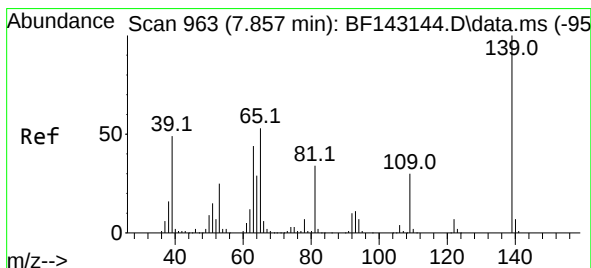
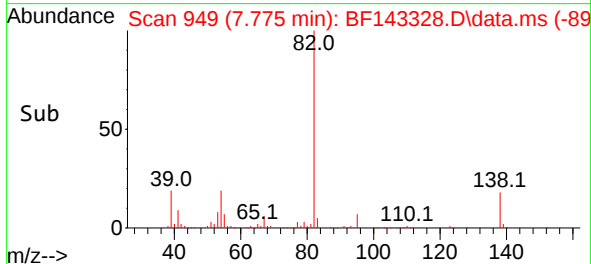
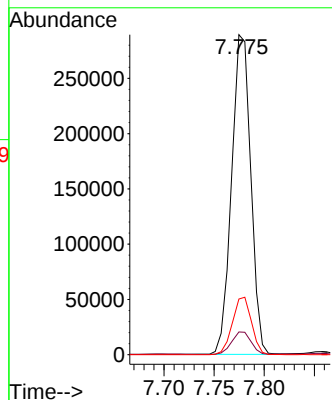
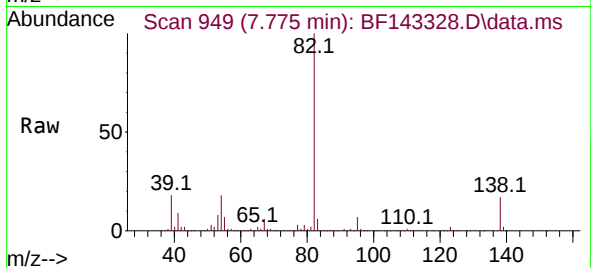




#25
Isophorone
Concen: 41.030 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

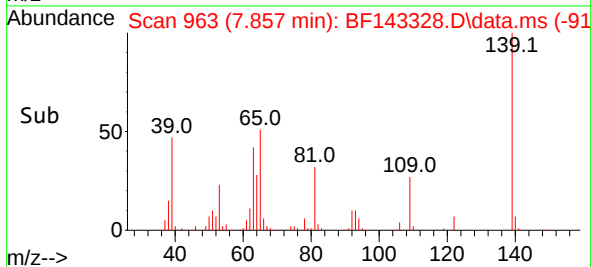
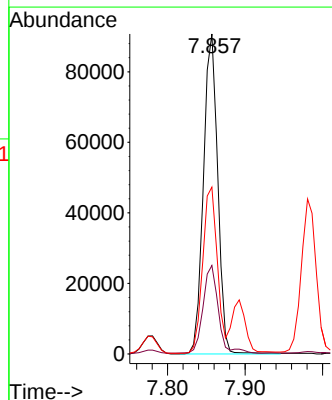
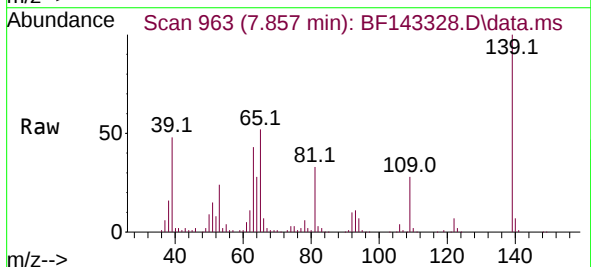
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

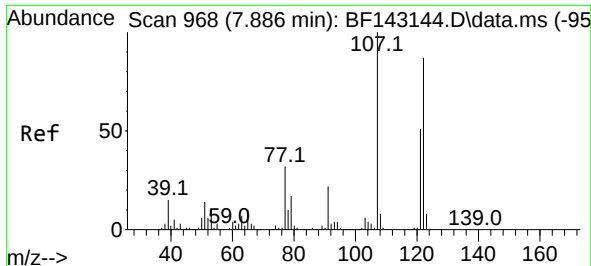
Tgt Ion: 82 Resp: 385287
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 17.4 13.8 20.8



#26
2-Nitrophenol
Concen: 53.974 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:139 Resp: 116171
Ion Ratio Lower Upper
139 100
109 27.7 23.6 35.4
65 52.2 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 43.415 ng

RT: 7.892 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

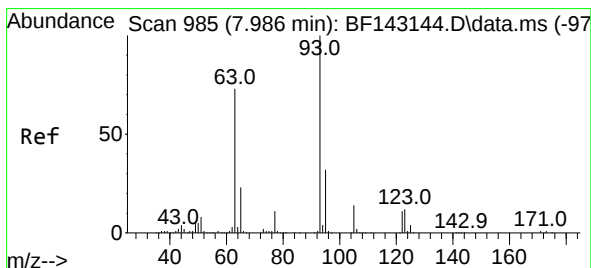
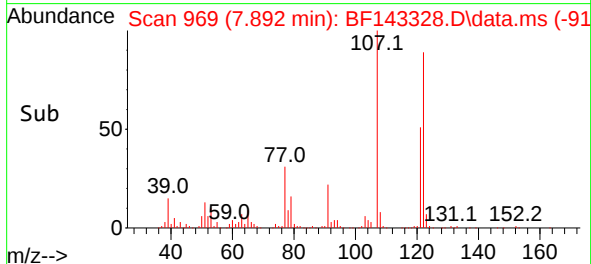
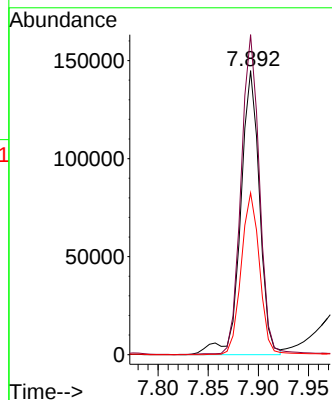
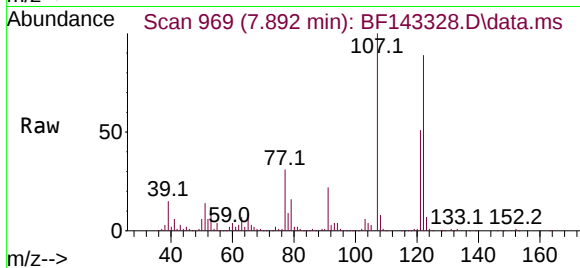
Tgt Ion:122 Resp: 190473

Ion Ratio Lower Upper

122 100

107 112.7 91.8 137.6

121 57.0 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 43.457 ng

RT: 7.981 min Scan# 984

Delta R.T. -0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

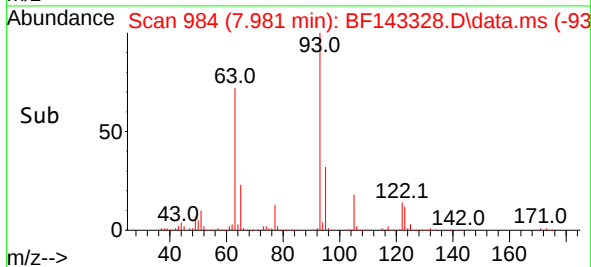
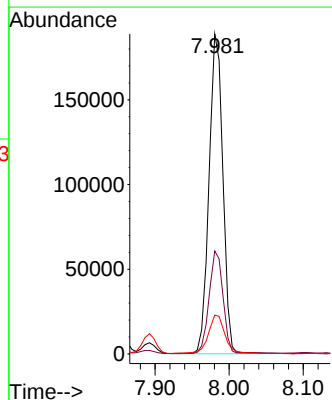
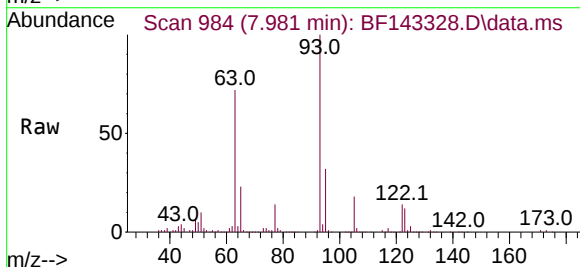
Tgt Ion: 93 Resp: 244672

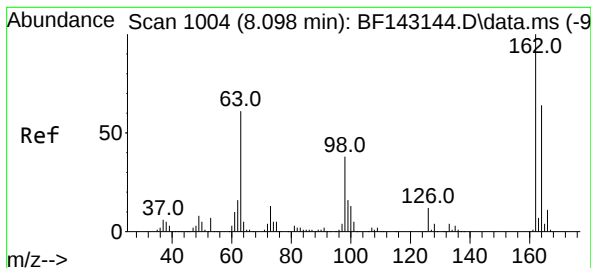
Ion Ratio Lower Upper

93 100

95 32.2 25.8 38.6

123 12.2 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 40.678 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

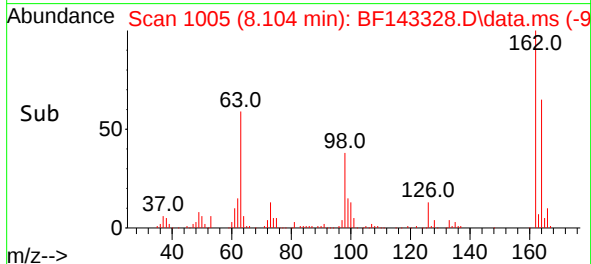
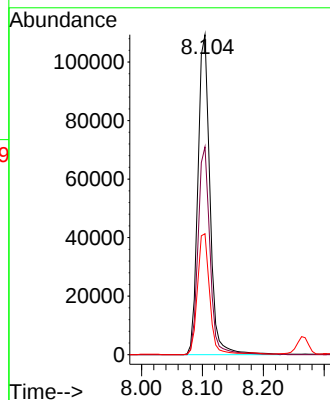
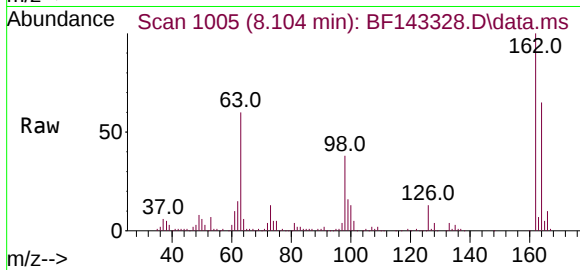
Tgt Ion:162 Resp: 150507

Ion Ratio Lower Upper

162 100

164 65.0 44.2 84.2

98 37.8 17.9 57.9



#30

1,2,4-Trichlorobenzene

Concen: 40.562 ng

RT: 8.186 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

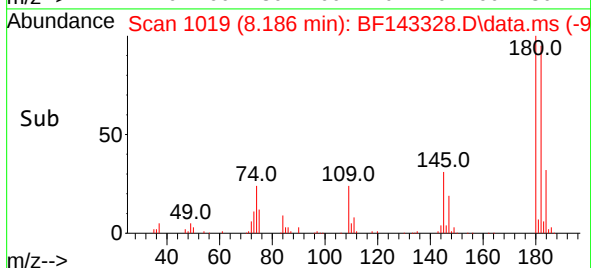
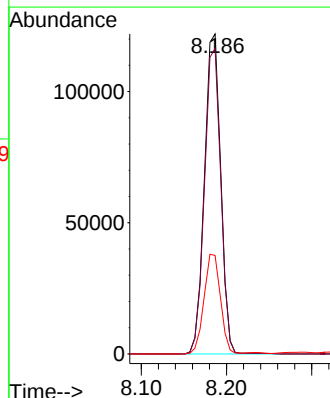
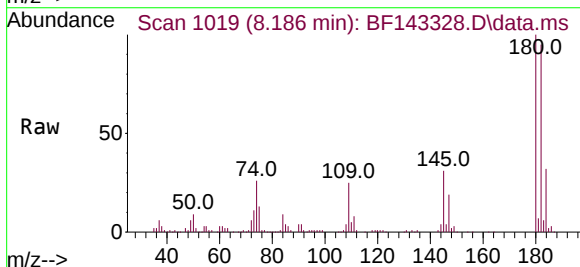
Tgt Ion:180 Resp: 162135

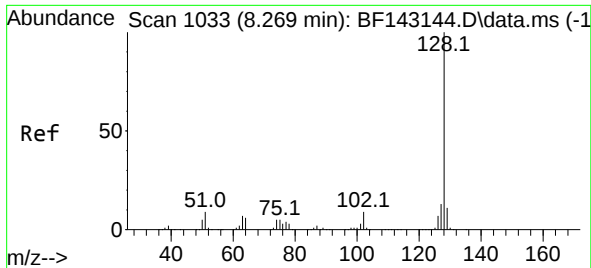
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.2

145 30.8 25.0 37.6

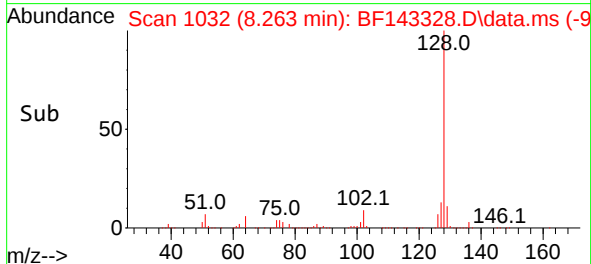
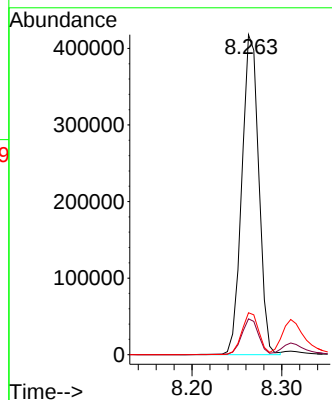
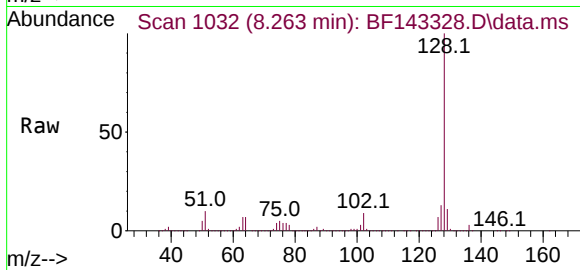




#31
Naphthalene
Concen: 41.878 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

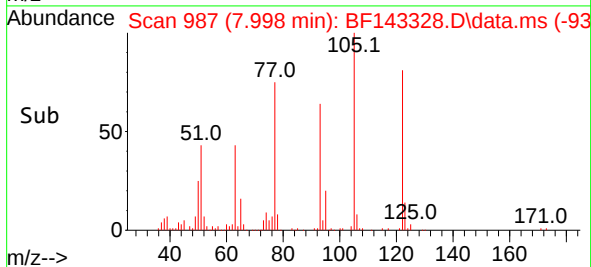
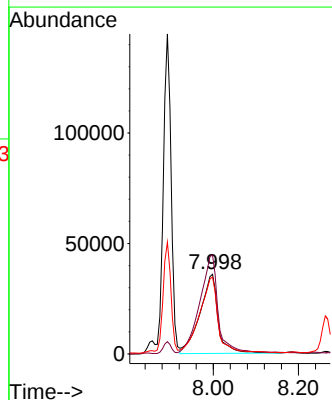
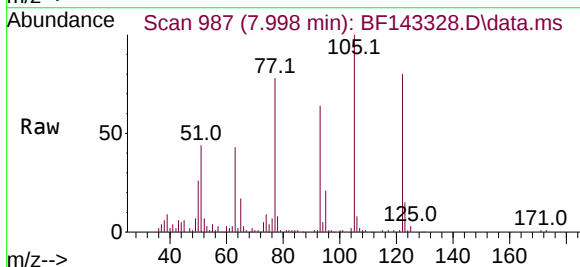
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

Tgt Ion:128 Resp: 546871
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.4
127 13.1 10.6 16.0



#32
Benzoic acid
Concen: 43.770 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:122 Resp: 106908
Ion Ratio Lower Upper
122 100
105 124.2 104.8 144.8
77 96.4 77.6 117.6

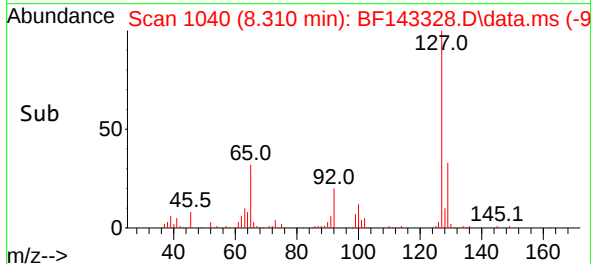
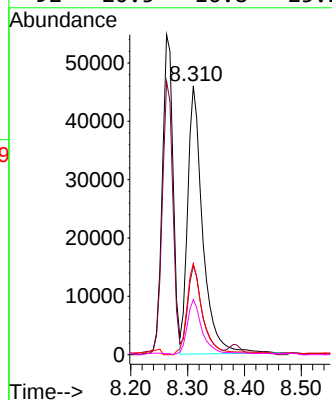
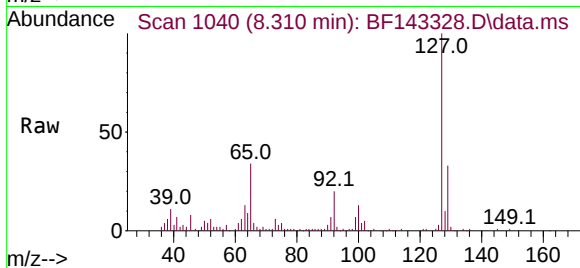




#33
4-Chloroaniline
Concen: 15.845 ng
RT: 8.310 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

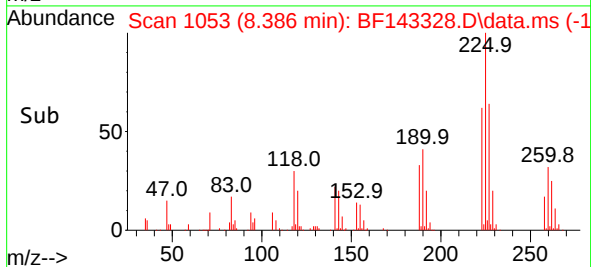
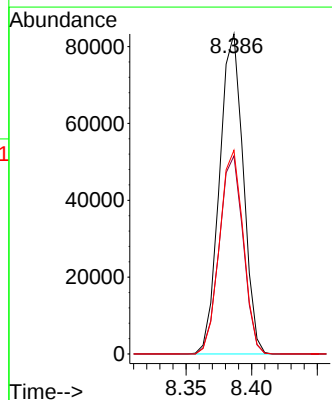
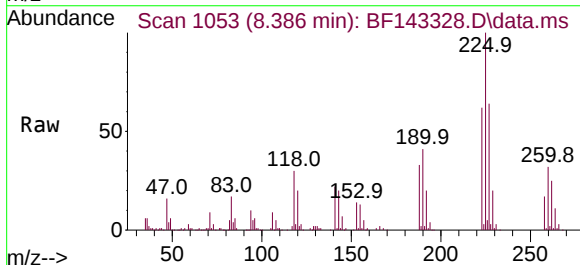
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

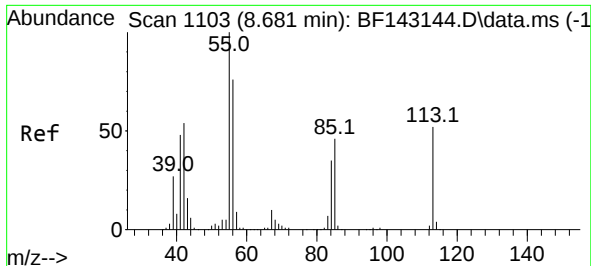
Tgt Ion:127	Resp:	84487
Ion Ratio	Lower	Upper
127	100	
129	33.1	26.0 39.0
65	33.9	27.4 41.2
92	20.5	16.8 25.2



#34
Hexachlorobutadiene
Concen: 42.873 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:225	Resp:	104688
Ion Ratio	Lower	Upper
225	100	
223	61.9	49.8 74.6
227	63.6	50.2 75.4

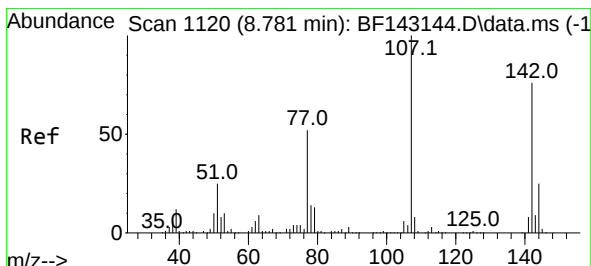
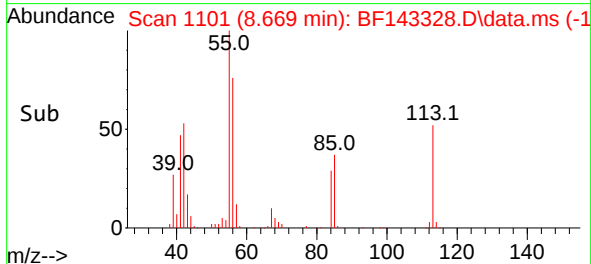
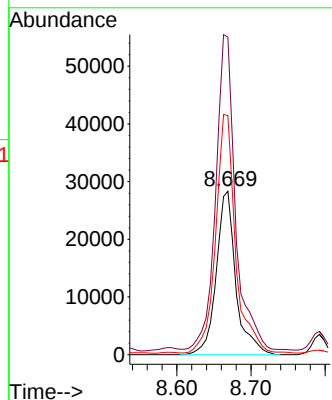
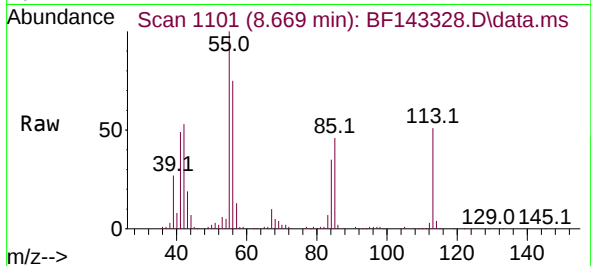




#35
 Caprolactam
 Concen: 46.457 ng
 RT: 8.669 min Scan# 1103
 Delta R.T. -0.012 min
 Lab File: BF143328.D
 Acq: 06 Aug 2025 14:18

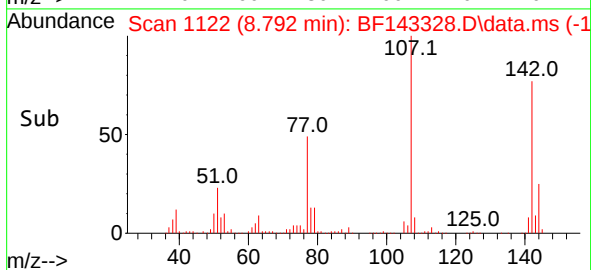
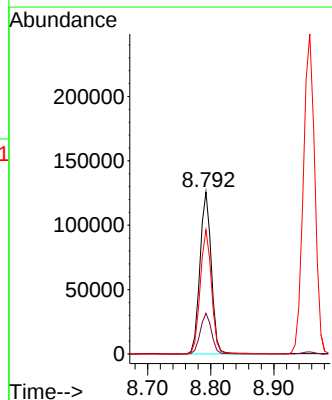
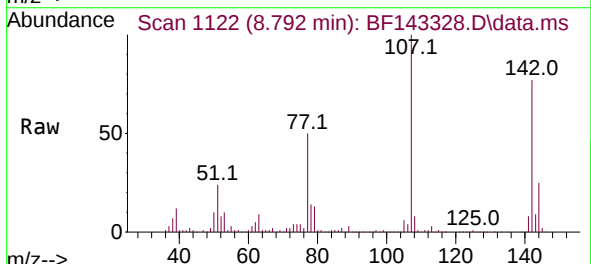
Instrument :
 BNA_F
 ClientSampleId :
 TP-2MSD

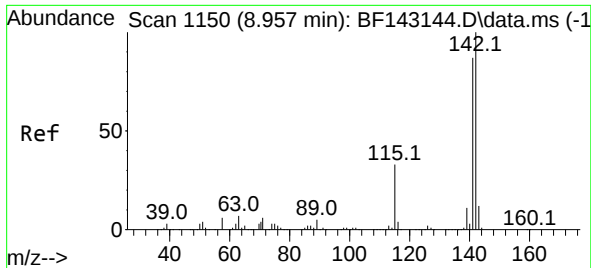
Tgt Ion:113	Resp:	51942
Ion Ratio	Lower	Upper
113	100	
55	194.4	174.0 214.0
56	146.4	126.6 166.6



#36
 4-Chloro-3-methylphenol
 Concen: 39.271 ng
 RT: 8.792 min Scan# 1122
 Delta R.T. 0.012 min
 Lab File: BF143328.D
 Acq: 06 Aug 2025 14:18

Tgt Ion:107	Resp:	157927
Ion Ratio	Lower	Upper
107	100	
144	25.0	19.8 29.6
142	76.7	60.6 90.8





#37

2-Methylnaphthalene

Concen: 39.299 ng

RT: 8.957 min Scan# 1150

Delta R.T. -0.000 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

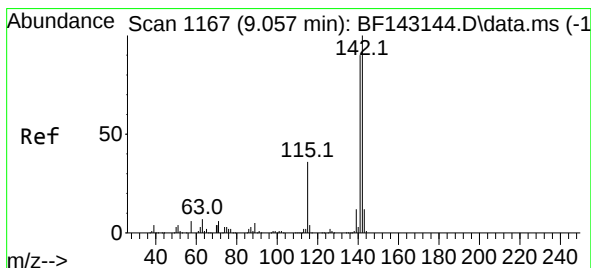
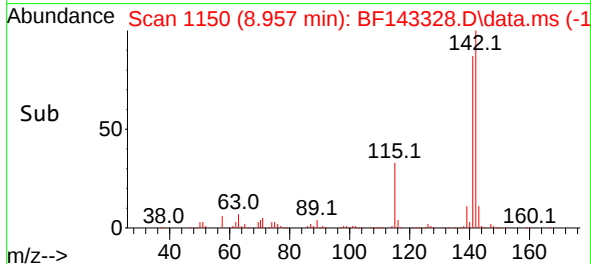
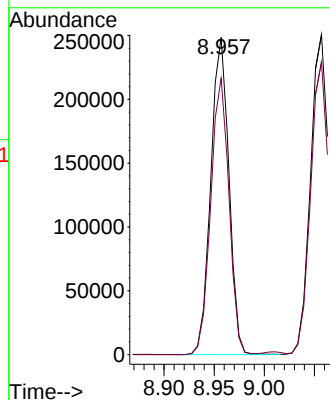
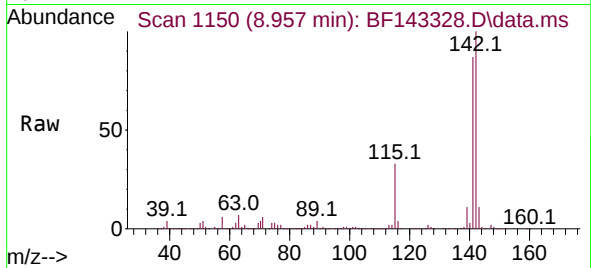
TP-2MSD

Tgt Ion:142 Resp: 312282

Ion Ratio Lower Upper

142 100

141 87.1 69.9 104.9



#38

1-Methylnaphthalene

Concen: 38.825 ng

RT: 9.057 min Scan# 1167

Delta R.T. -0.000 min

Lab File: BF143328.D

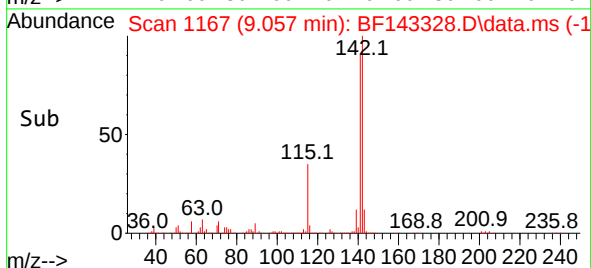
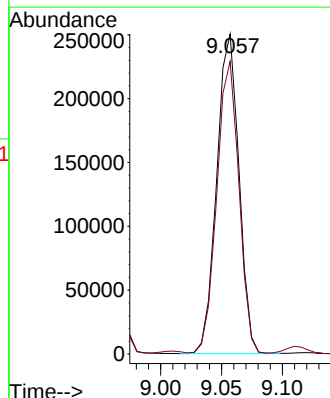
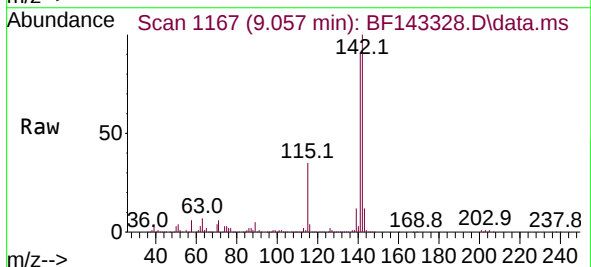
Acq: 06 Aug 2025 14:18

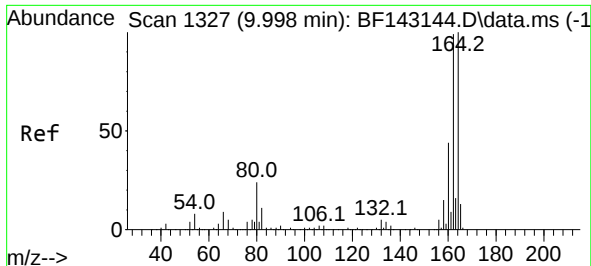
Tgt Ion:142 Resp: 317697

Ion Ratio Lower Upper

142 100

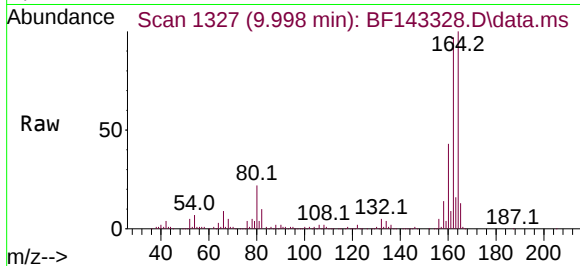
141 91.5 72.3 108.5



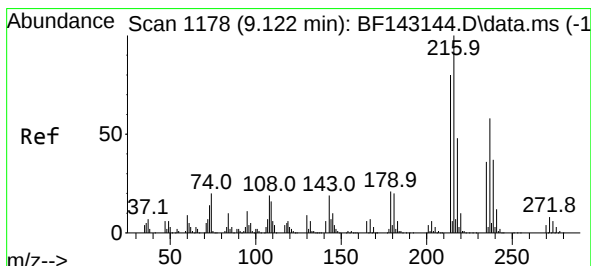
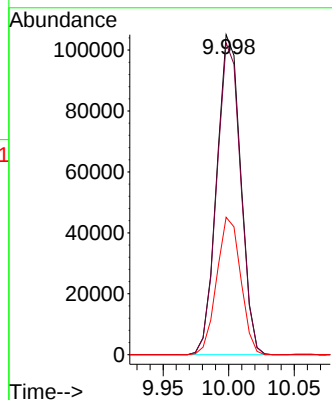
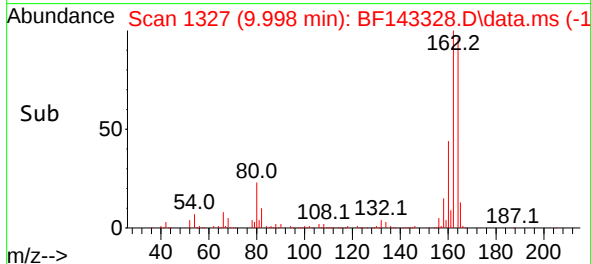


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

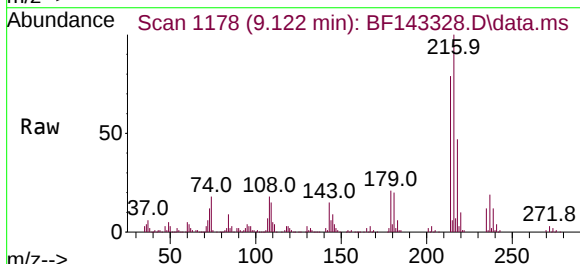
Instrument :
BNA_F
ClientSampleId :
TP-2MSD



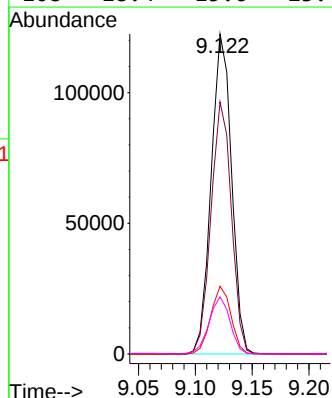
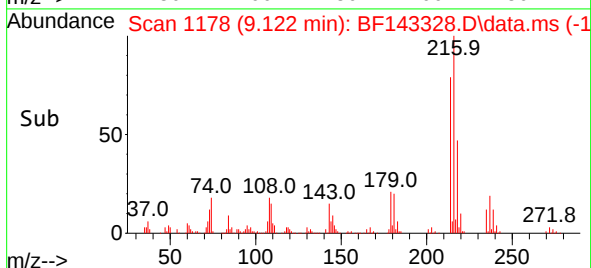
Tgt Ion:164 Resp: 133341
Ion Ratio Lower Upper
164 100
162 97.4 79.0 118.6
160 42.9 35.1 52.7



#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.668 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18



Tgt Ion:216 Resp: 152711
Ion Ratio Lower Upper
216 100
214 78.9 63.8 95.8
179 21.1 16.4 24.6
108 18.4 15.6 23.4

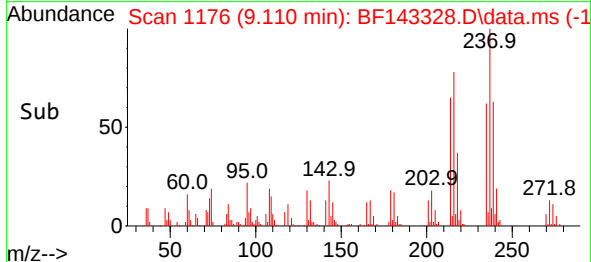
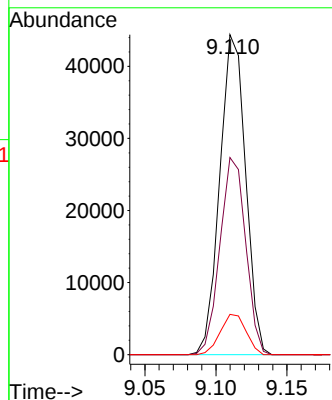
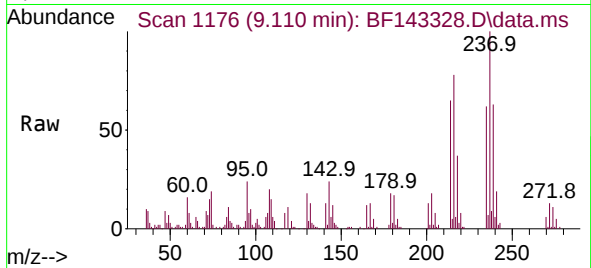




#41
Hexachlorocyclopentadiene
Concen: 22.383 ng
RT: 9.110 min Scan# 1177
Delta R.T. -0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

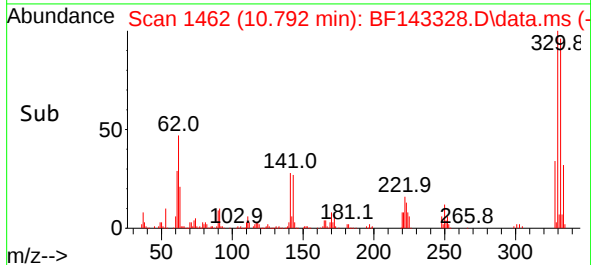
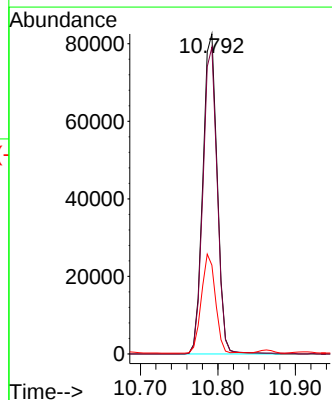
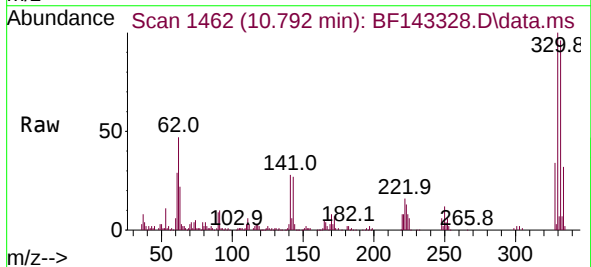
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

Tgt Ion:237 Resp: 56066
Ion Ratio Lower Upper
237 100
235 61.6 43.0 83.0
272 12.6 0.0 33.3



#42
2,4,6-Tribromophenol
Concen: 76.907 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:330 Resp: 105939
Ion Ratio Lower Upper
330 100
332 95.8 76.7 115.1
141 30.3 23.3 34.9





#43

2,4,6-Trichlorophenol

Concen: 38.063 ng

RT: 9.233 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

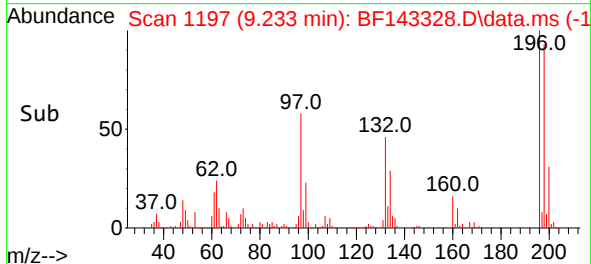
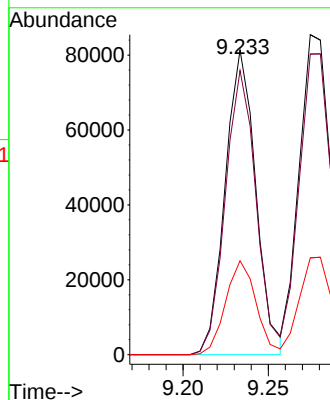
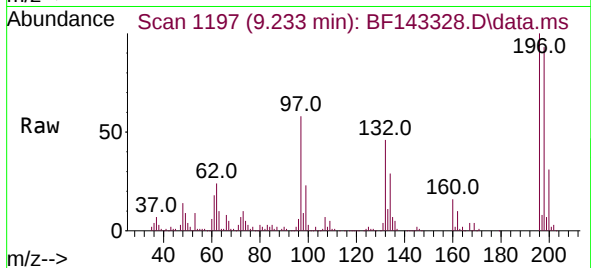
Tgt Ion:196 Resp: 101413

Ion Ratio Lower Upper

196 100

198 93.2 76.2 114.2

200 30.8 23.9 35.9



#44

2,4,5-Trichlorophenol

Concen: 42.569 ng

RT: 9.275 min Scan# 1204

Delta R.T. 0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Tgt Ion:196 Resp: 113452

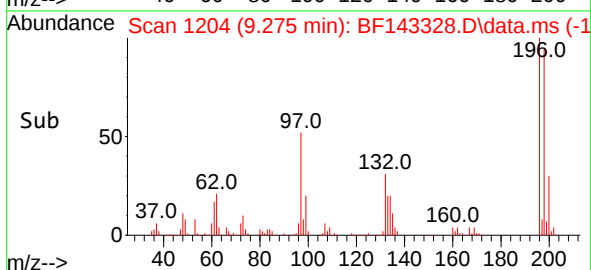
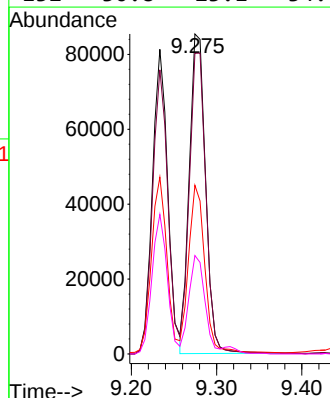
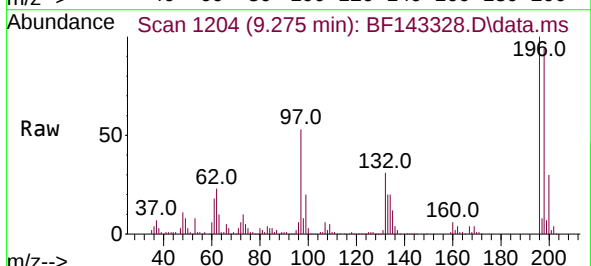
Ion Ratio Lower Upper

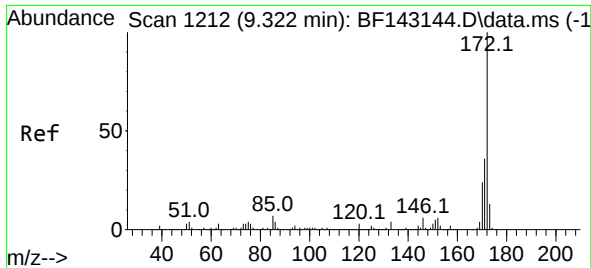
196 100

198 93.9 77.3 115.9

97 52.7 40.3 60.5

132 30.8 23.1 34.7

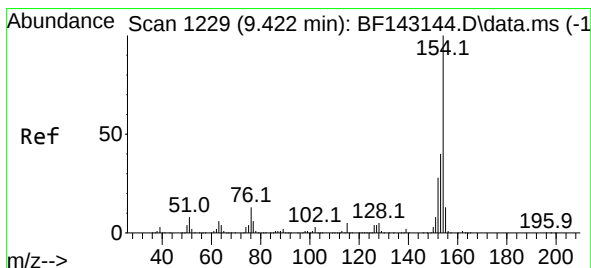
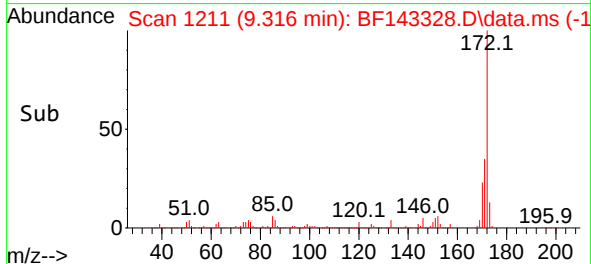
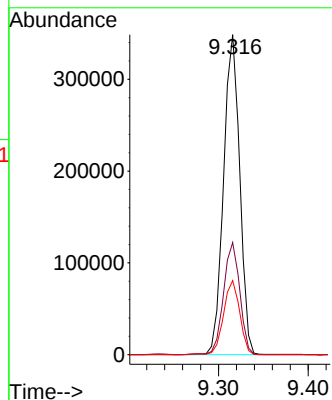
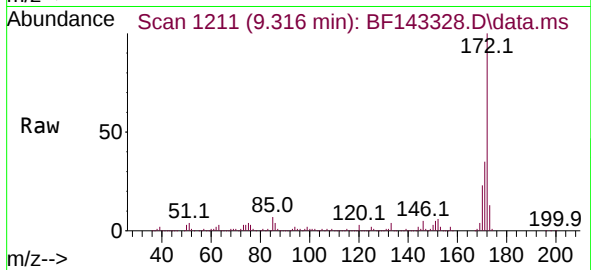




#45
2-Fluorobiphenyl
Concen: 44.656 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

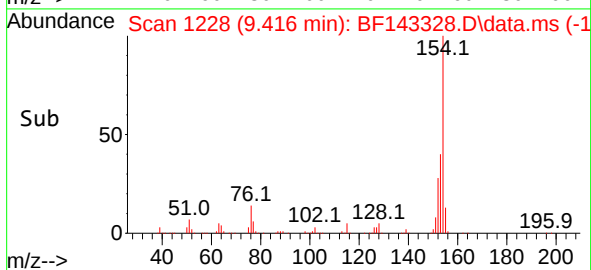
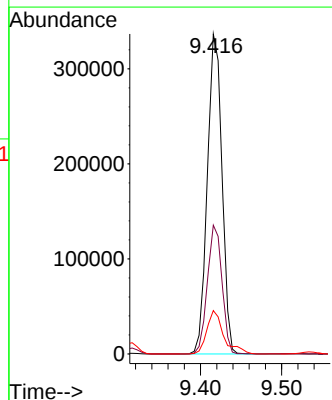
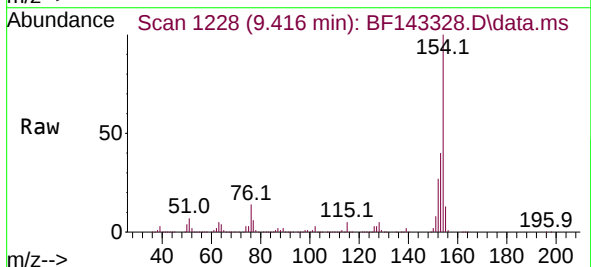
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

Tgt Ion:172 Resp: 435389
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.1 18.8 28.2



#46
1,1'-Biphenyl
Concen: 40.471 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:154 Resp: 421024
Ion Ratio Lower Upper
154 100
153 40.2 20.3 60.3
76 13.5 0.0 33.3





#47

2-Chloronaphthalene

Concen: 38.258 ng

RT: 9.445 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

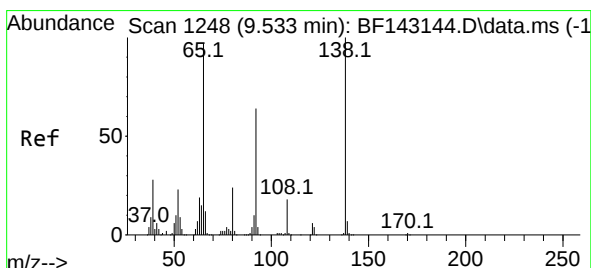
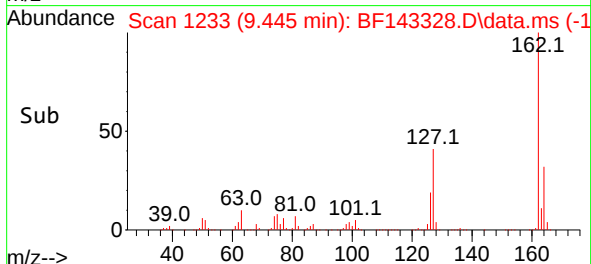
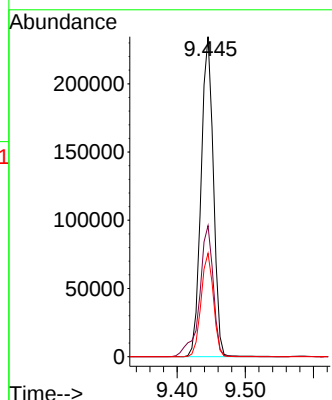
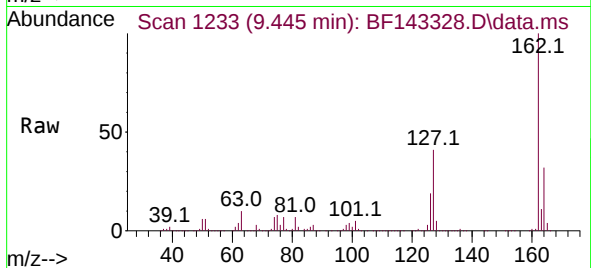
Tgt Ion:162 Resp: 294496

Ion Ratio Lower Upper

162 100

127 41.0 33.4 50.2

164 32.3 26.2 39.2



#48

2-Nitroaniline

Concen: 47.649 ng

RT: 9.533 min Scan# 1248

Delta R.T. -0.000 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

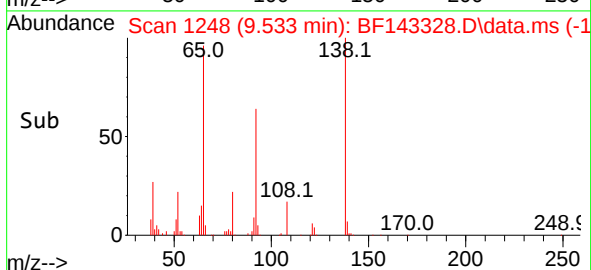
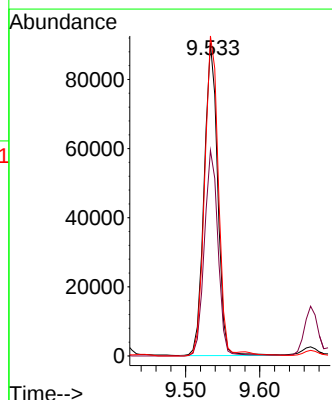
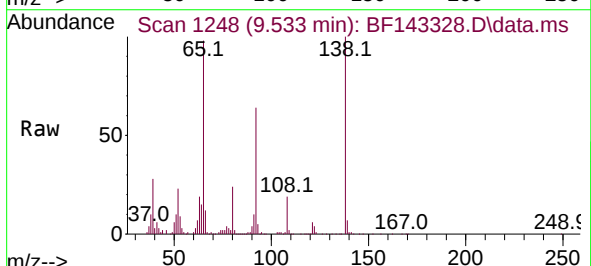
Tgt Ion: 65 Resp: 115022

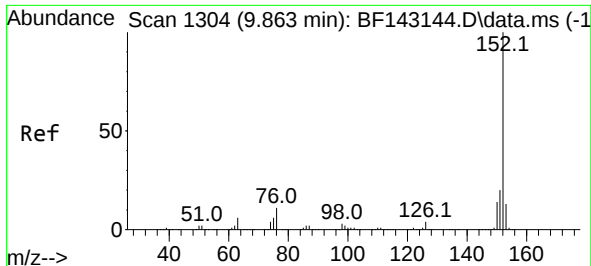
Ion Ratio Lower Upper

65 100

92 65.8 52.4 78.6

138 102.4 82.3 123.5





#49

Acenaphthylene

Concen: 45.029 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

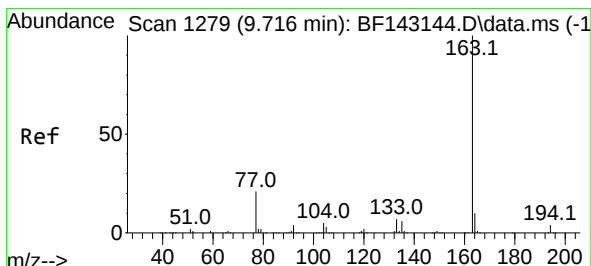
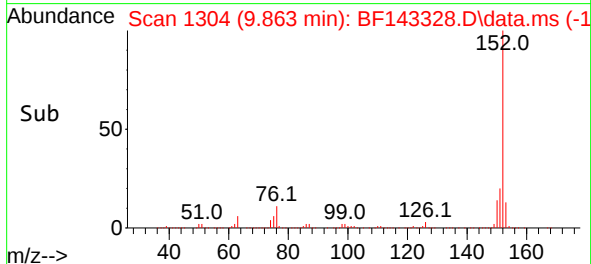
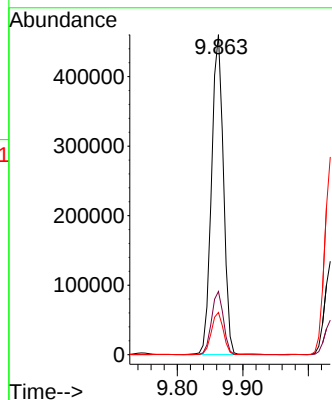
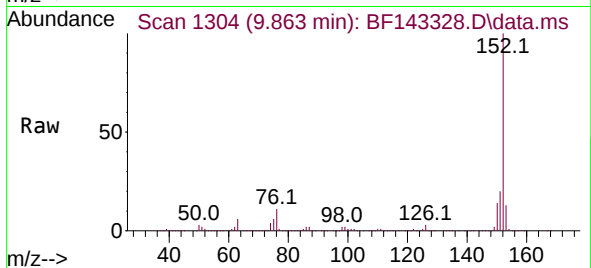
Tgt Ion:152 Resp: 580881

Ion Ratio Lower Upper

152 100

151 19.8 16.2 24.2

153 13.2 10.6 16.0



#50

Dimethylphthalate

Concen: 41.787 ng

RT: 9.716 min Scan# 1279

Delta R.T. -0.000 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

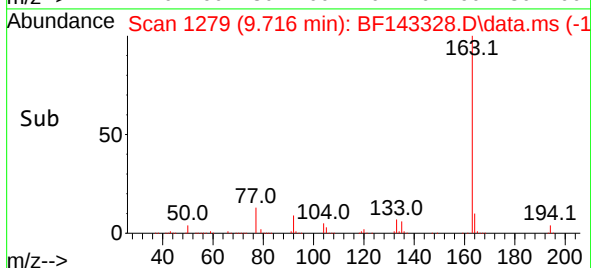
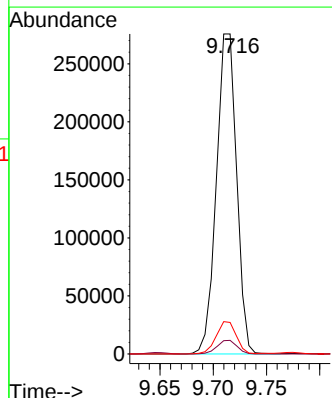
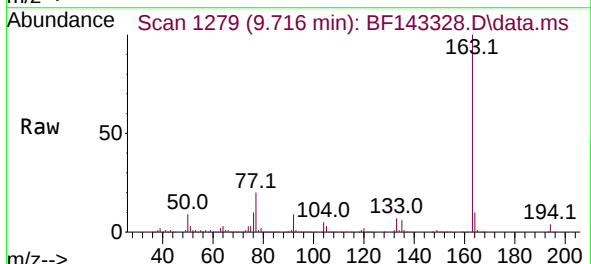
Tgt Ion:163 Resp: 363196

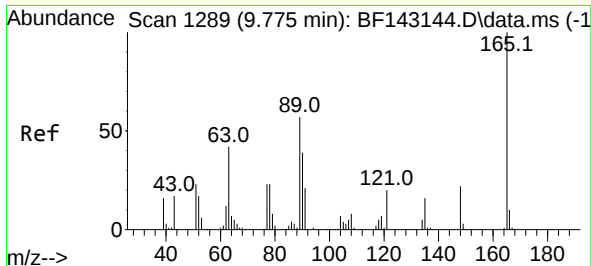
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.2

164 9.9 8.3 12.5





#51

2,6-Dinitrotoluene

Concen: 49.513 ng

RT: 9.775 min Scan# 1289

Delta R.T. -0.000 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

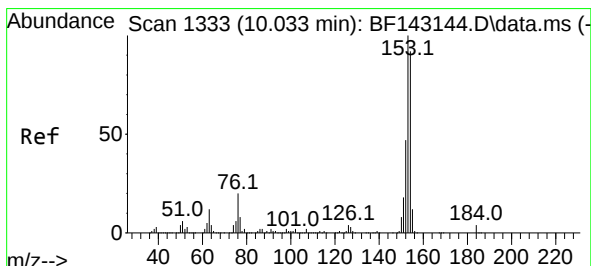
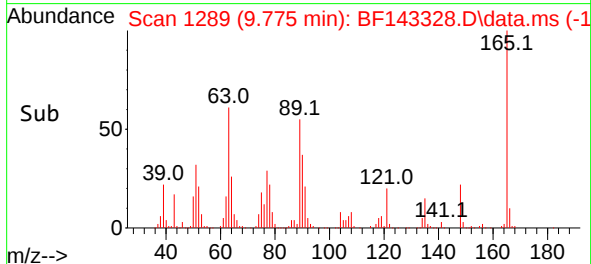
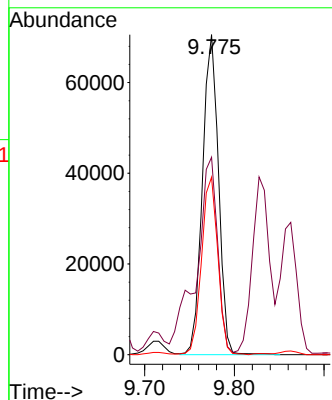
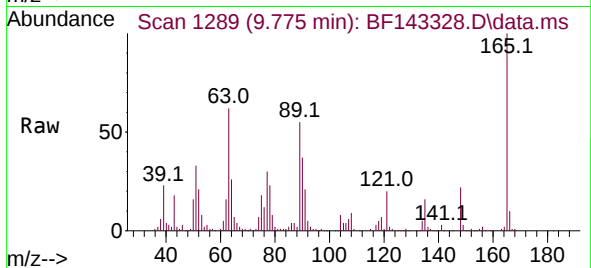
Tgt Ion:165 Resp: 87545

Ion Ratio Lower Upper

165 100

63 61.7 49.4 74.2

89 55.4 46.2 69.2



#52

Acenaphthene

Concen: 43.800 ng

RT: 10.033 min Scan# 1333

Delta R.T. -0.000 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

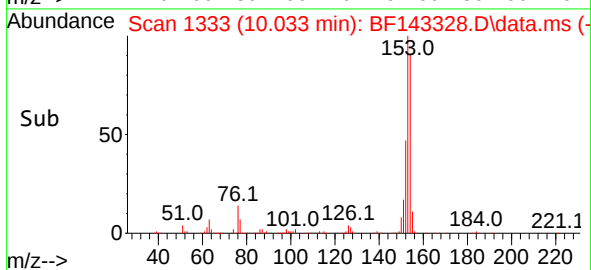
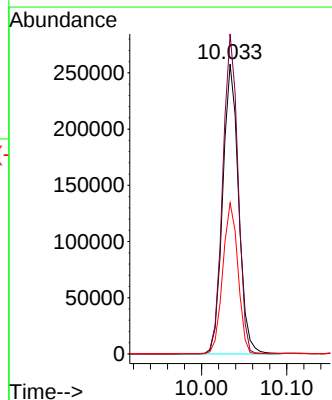
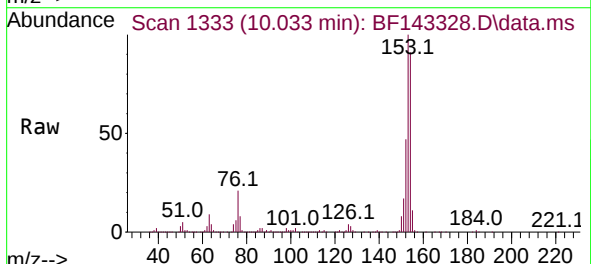
Tgt Ion:154 Resp: 333951

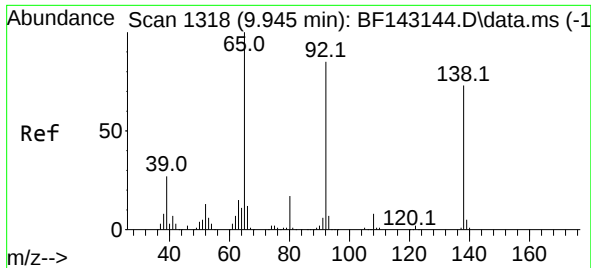
Ion Ratio Lower Upper

154 100

153 110.4 86.6 129.8

152 52.1 40.4 60.6

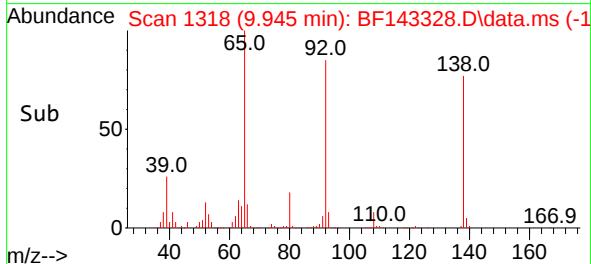
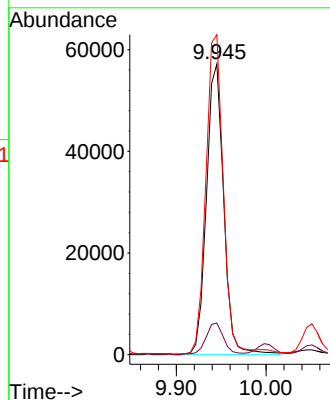
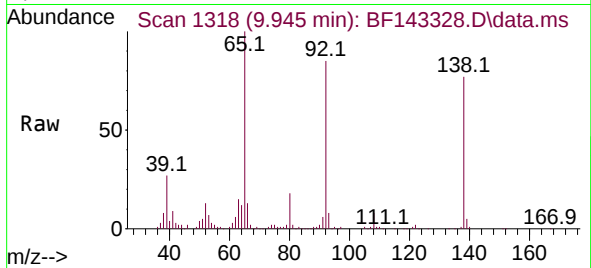




#53
3-Nitroaniline
Concen: 36.912 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

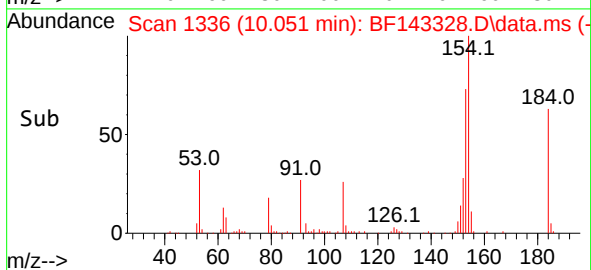
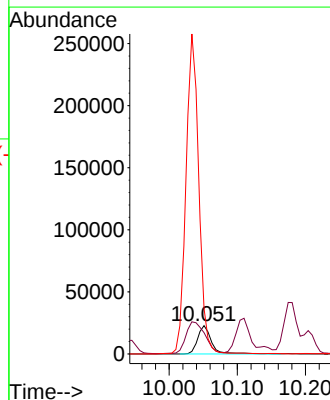
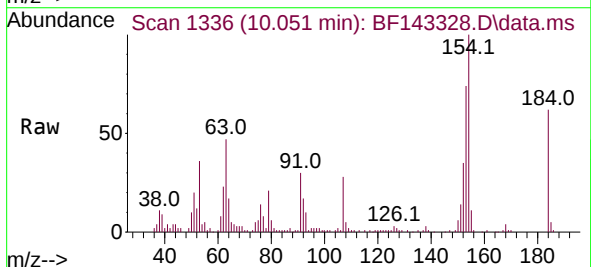
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

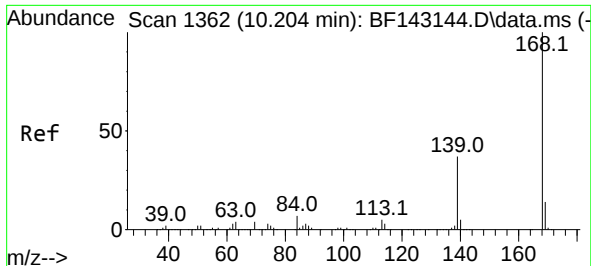
Tgt Ion:138 Resp: 76338
Ion Ratio Lower Upper
138 100
108 10.9 9.0 13.6
92 110.0 93.0 139.4



#54
2,4-Dinitrophenol
Concen: 43.190 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:184 Resp: 31930
Ion Ratio Lower Upper
184 100
63 74.9 81.8 122.6#
154 160.3 412.2 618.4#

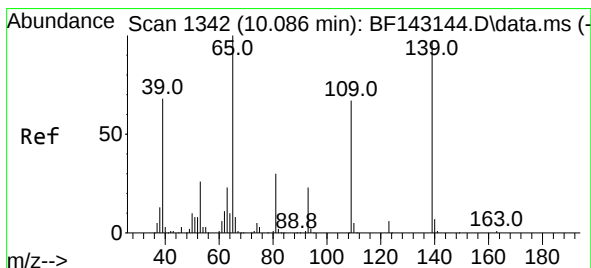
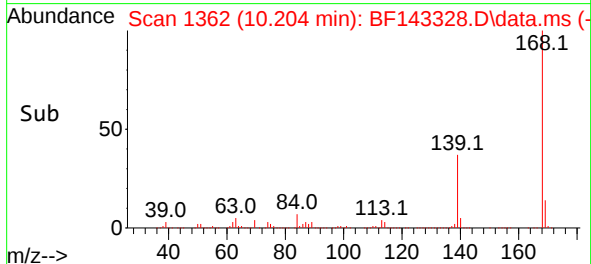
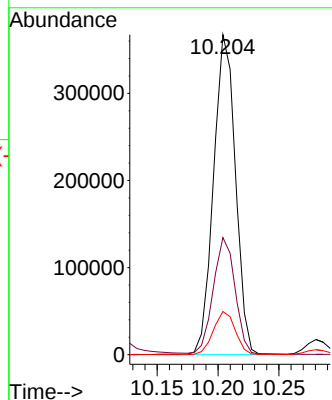
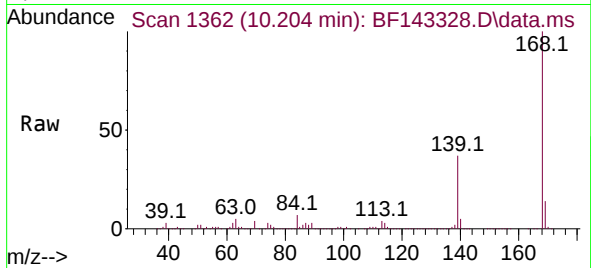




#55
Dibenzofuran
Concen: 40.516 ng
RT: 10.204 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

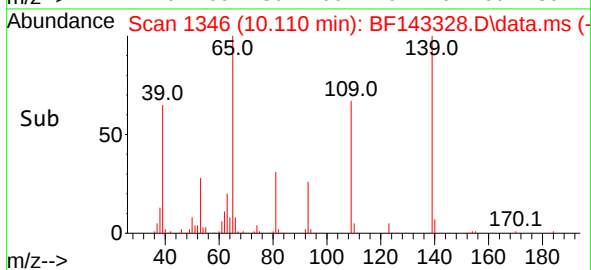
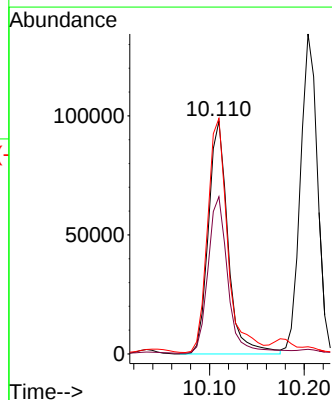
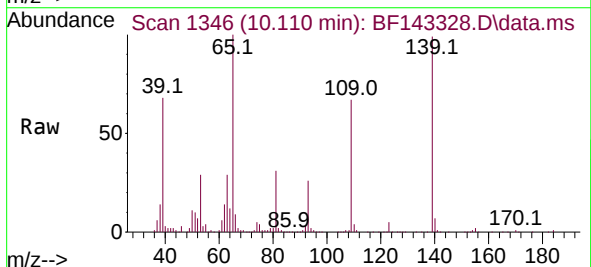
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

Tgt Ion:168 Resp: 458644
Ion Ratio Lower Upper
168 100
139 36.6 29.5 44.3
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 90.856 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.023 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:139 Resp: 140313
Ion Ratio Lower Upper
139 100
109 67.5 48.5 88.5
65 101.1 83.4 123.4

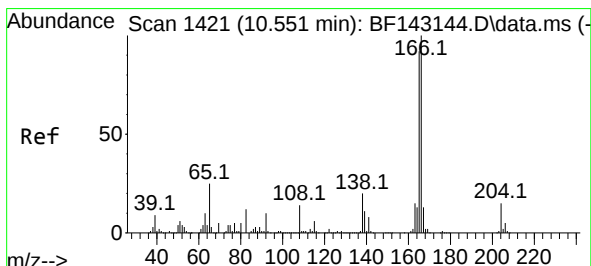
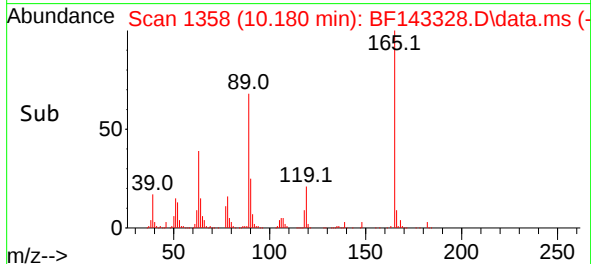
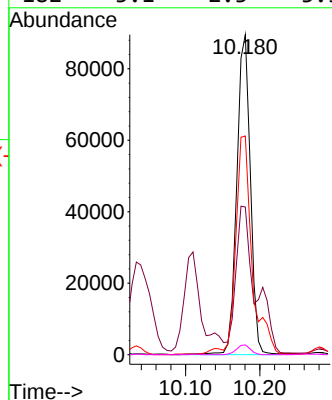
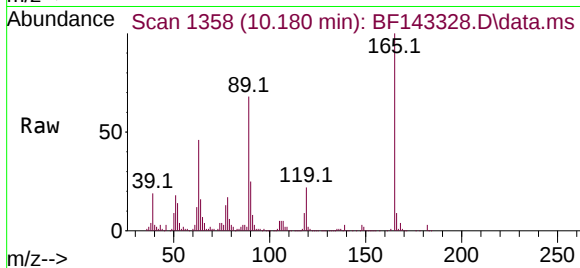




#57
2,4-Dinitrotoluene
Concen: 51.438 ng
RT: 10.180 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

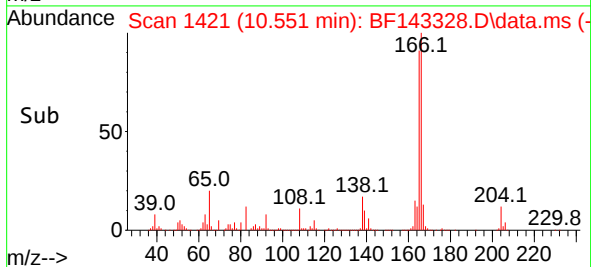
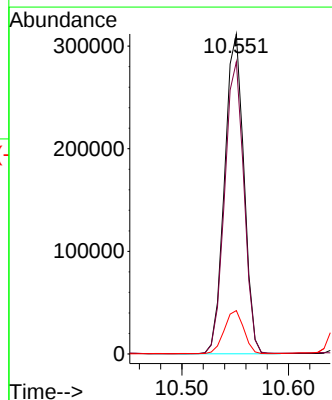
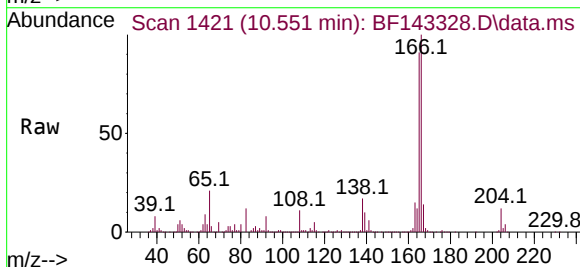
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

Tgt Ion:165 Resp: 114104
Ion Ratio Lower Upper
165 100
63 46.2 41.0 61.4
89 68.4 61.1 91.7
182 3.1 2.3 3.5



#58
Fluorene
Concen: 46.072 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:166 Resp: 391425
Ion Ratio Lower Upper
166 100
165 91.3 73.7 110.5
167 13.5 10.6 16.0





#59

2,3,4,6-Tetrachlorophenol

Concen: 41.685 ng

RT: 10.327 min Scan# 1382

Delta R.T. 0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

Tgt Ion:232 Resp: 92027

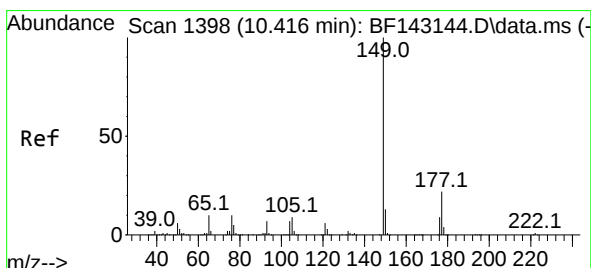
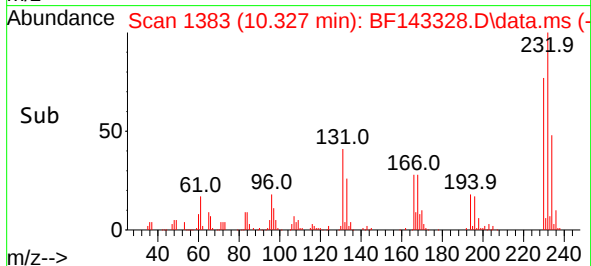
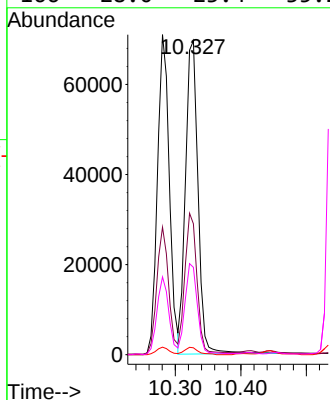
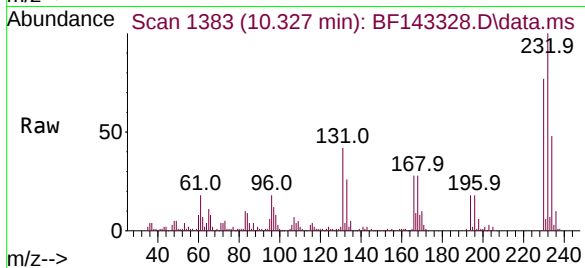
Ion Ratio Lower Upper

232 100

131 42.3 35.3 52.9

130 2.6 1.7 2.5#

166 28.0 23.4 35.2



#60

Diethylphthalate

Concen: 43.462 ng

RT: 10.416 min Scan# 1398

Delta R.T. -0.000 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

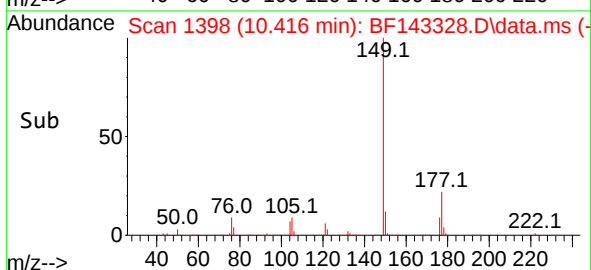
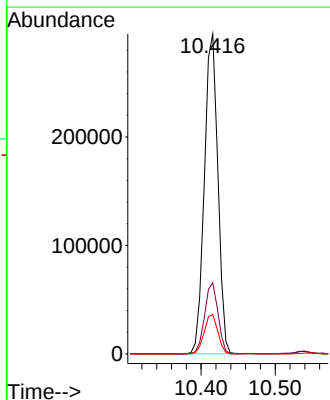
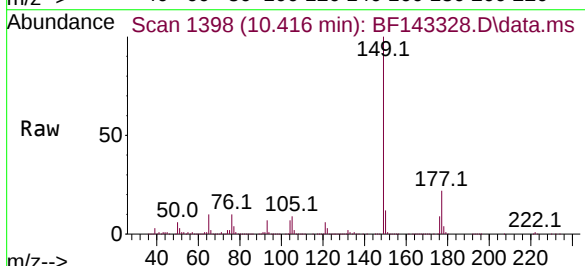
Tgt Ion:149 Resp: 373370

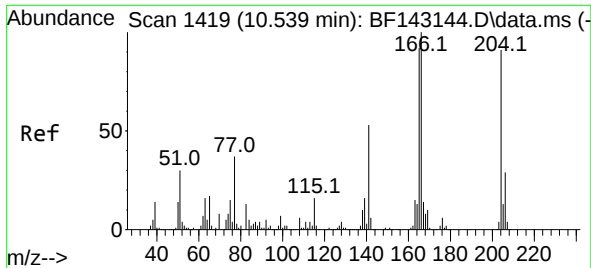
Ion Ratio Lower Upper

149 100

177 22.3 17.5 26.3

150 12.3 10.2 15.2

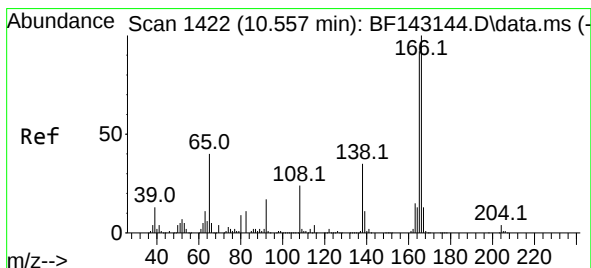
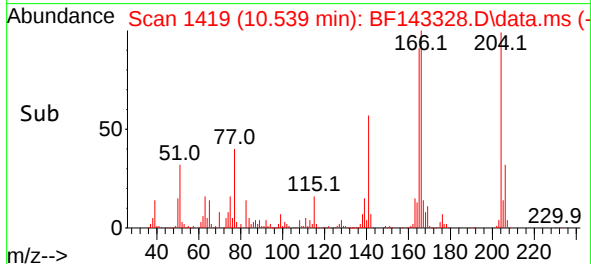
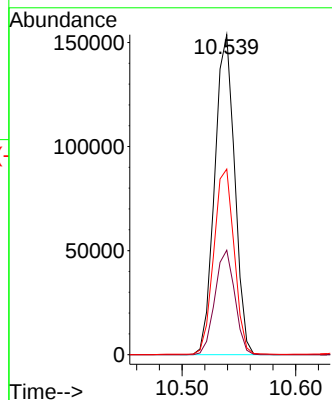
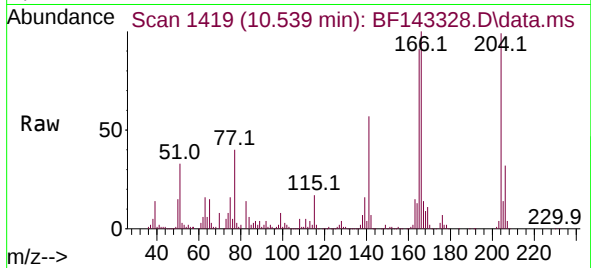




#61
4-Chlorophenyl-phenylether
Concen: 44.416 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

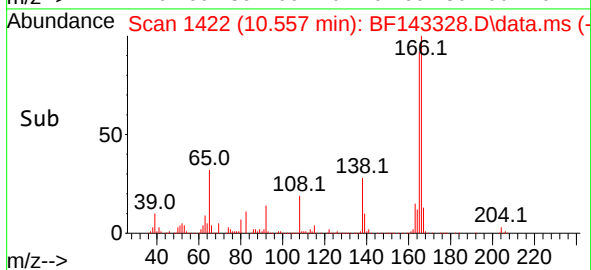
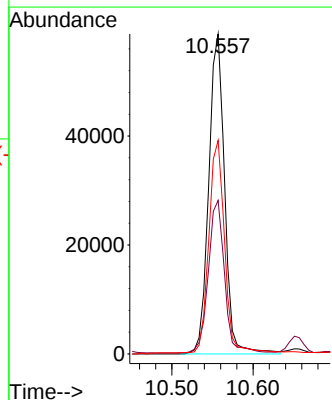
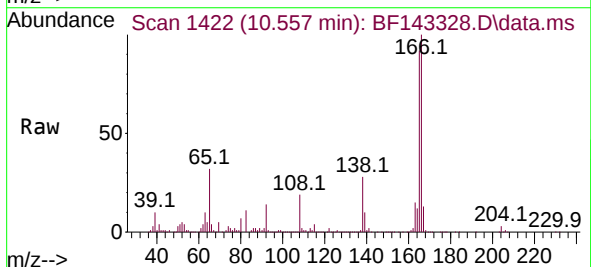
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

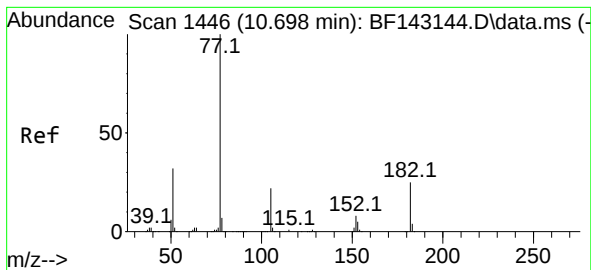
Tgt Ion:204 Resp: 187900
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.8
141 58.0 47.0 70.4



#62
4-Nitroaniline
Concen: 45.034 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:138 Resp: 79822
Ion Ratio Lower Upper
138 100
92 48.0 29.3 69.3
108 66.8 48.3 88.3

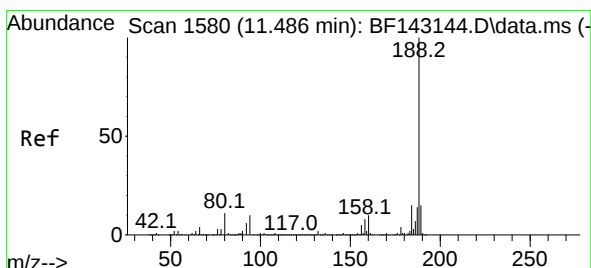
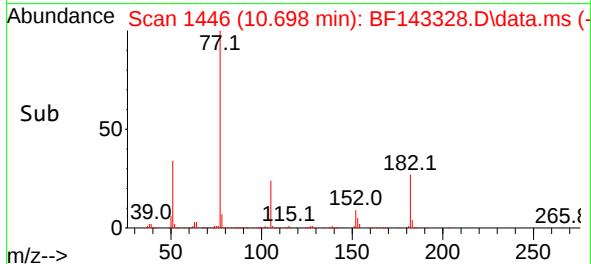
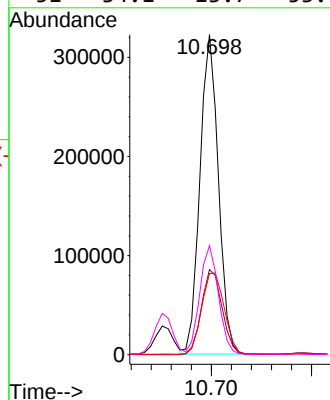
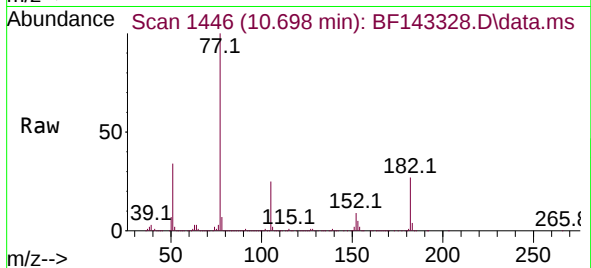




#63
 Azobenzene
 Concen: 46.061 ng
 RT: 10.698 min Scan# 1446
 Delta R.T. -0.000 min
 Lab File: BF143328.D
 Acq: 06 Aug 2025 14:18

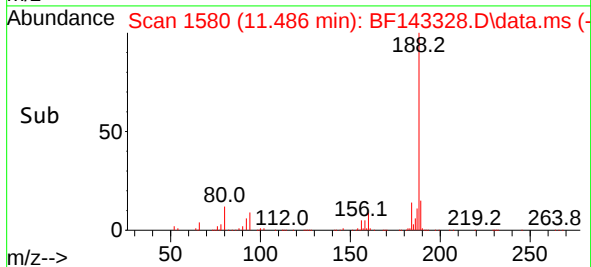
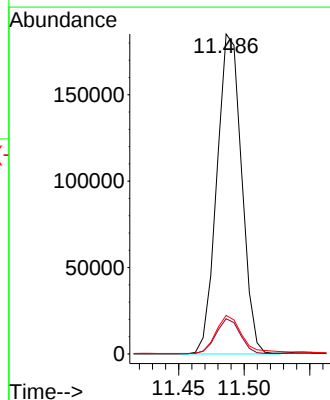
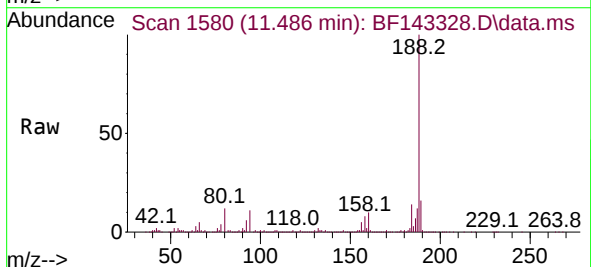
Instrument :
 BNA_F
 ClientSampleId :
 TP-2MSD

Tgt Ion: 77	Resp: 412403
Ion Ratio	Lower Upper
77 100	
182 26.6	4.6 44.6
105 25.4	1.4 41.4
51 34.1	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: BF143328.D
 Acq: 06 Aug 2025 14:18

Tgt Ion:188	Resp: 242507
Ion Ratio	Lower Upper
188 100	
94 11.0	8.3 12.5
80 12.0	9.0 13.6

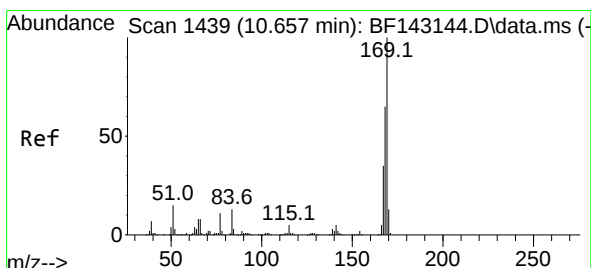
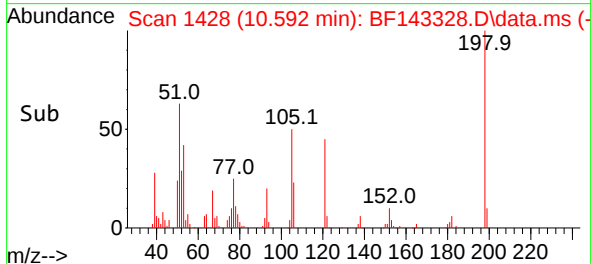
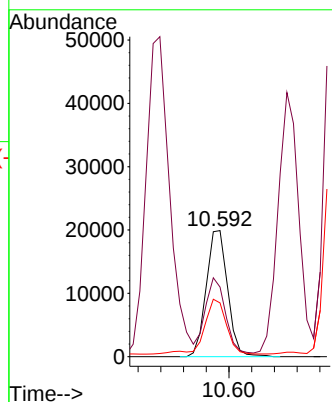
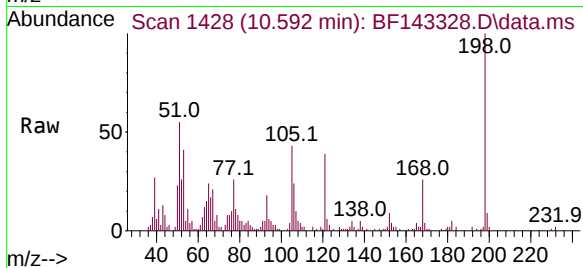




#65
4,6-Dinitro-2-methylphenol
Concen: 23.575 ng
RT: 10.592 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

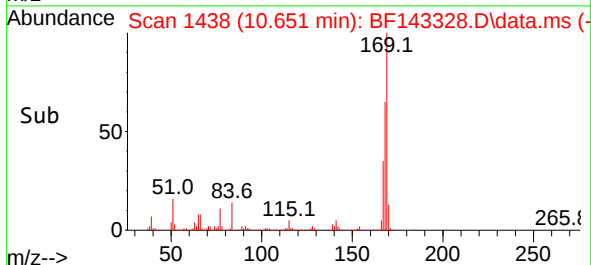
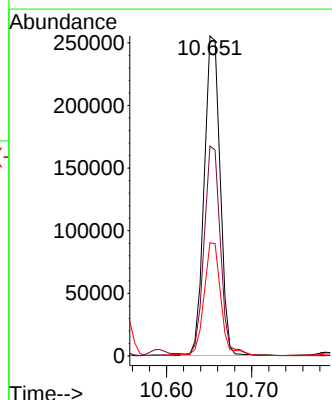
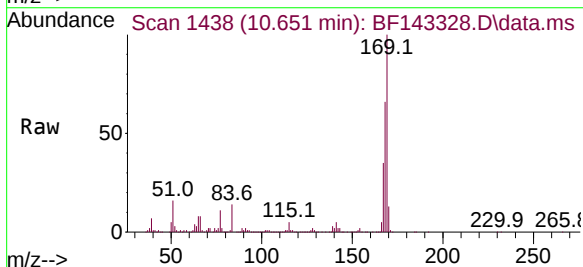
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

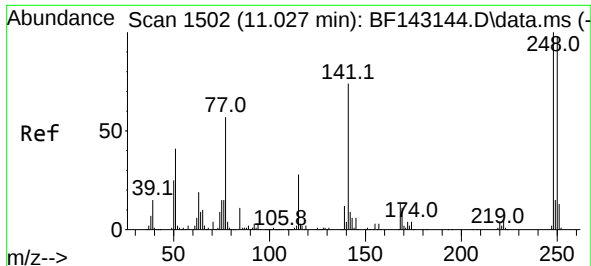
Tgt Ion:198 Resp: 26024
Ion Ratio Lower Upper
198 100
51 55.2 37.2 77.2
105 42.6 24.8 64.8



#66
n-Nitrosodiphenylamine
Concen: 38.734 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:169 Resp: 330768
Ion Ratio Lower Upper
169 100
168 65.6 52.1 78.1
167 35.4 28.2 42.2

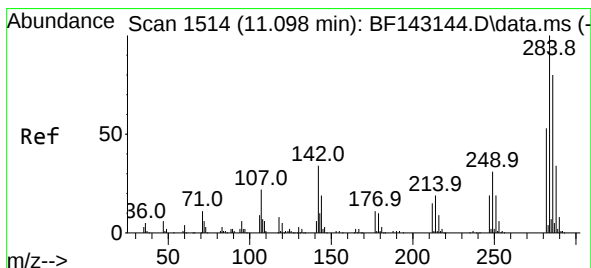
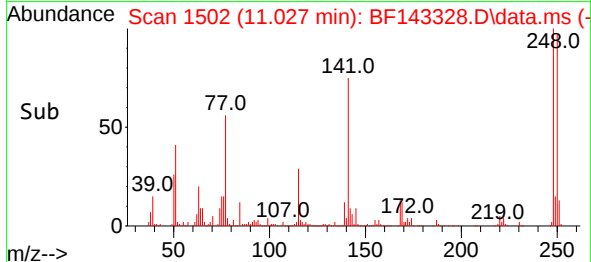
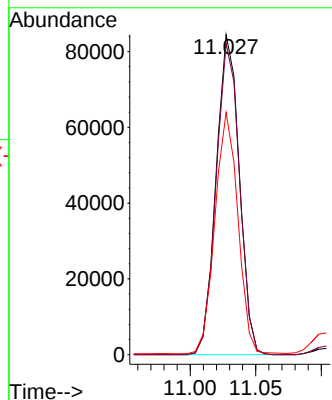
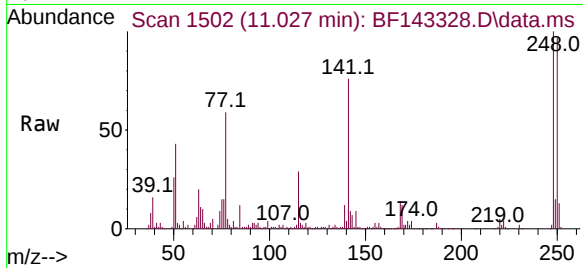




#67
4-Bromophenyl-phenylether
Concen: 35.898 ng
RT: 11.027 min Scan# 1102
Delta R.T. -0.000 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

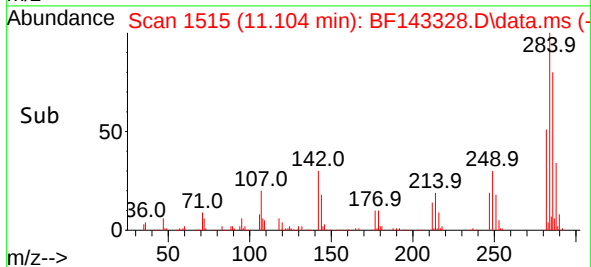
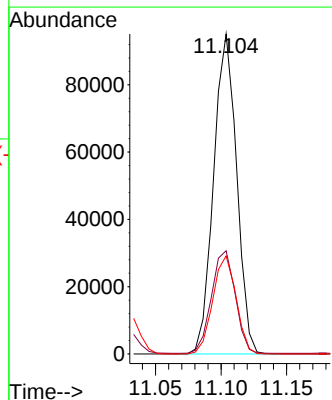
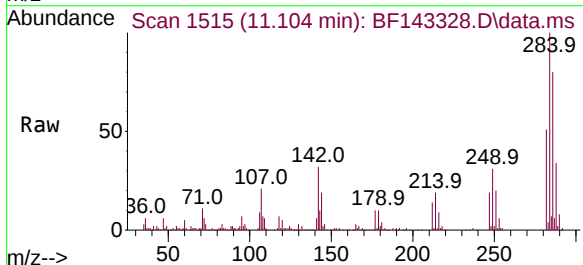
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

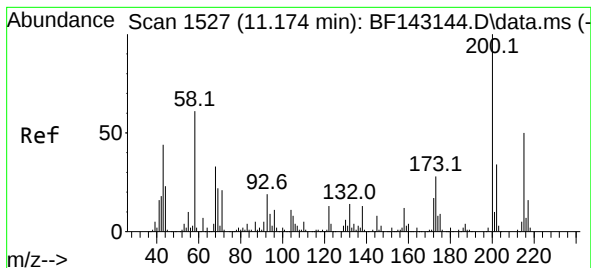
Tgt Ion:248 Resp: 103746
Ion Ratio Lower Upper
248 100
250 97.3 78.3 117.5
141 75.7 59.2 88.8



#68
Hexachlorobenzene
Concen: 38.380 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:284 Resp: 115935
Ion Ratio Lower Upper
284 100
142 32.3 27.0 40.6
249 30.6 25.0 37.6





#69

Atrazine

Concen: 40.558 ng

RT: 11.180 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

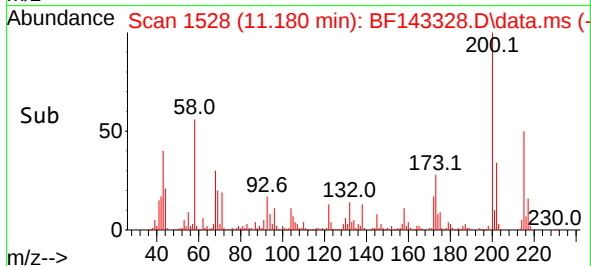
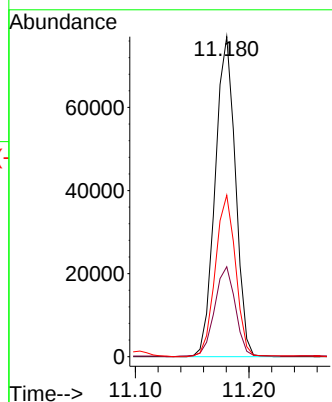
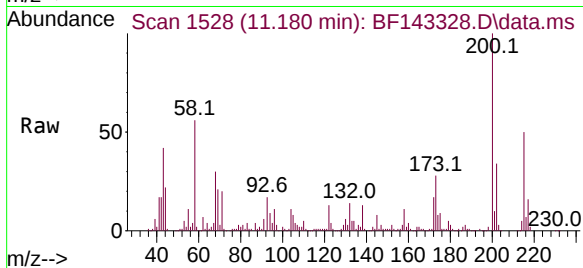
Tgt Ion:200 Resp: 95484

Ion Ratio Lower Upper

200 100

173 28.1 7.9 47.9

215 50.4 30.1 70.1



#70

Pentachlorophenol

Concen: 78.500 ng

RT: 11.298 min Scan# 1548

Delta R.T. 0.012 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

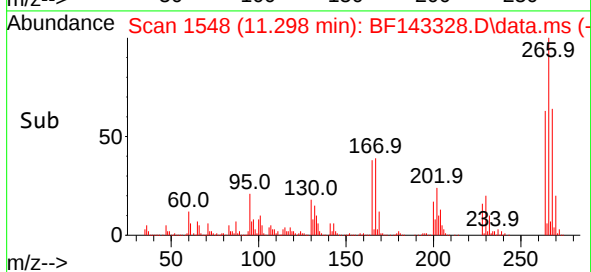
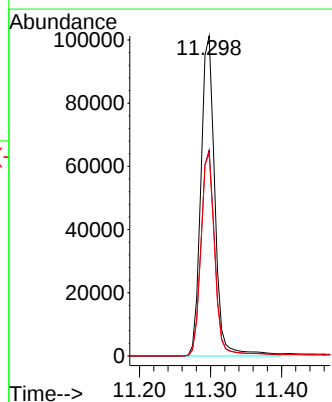
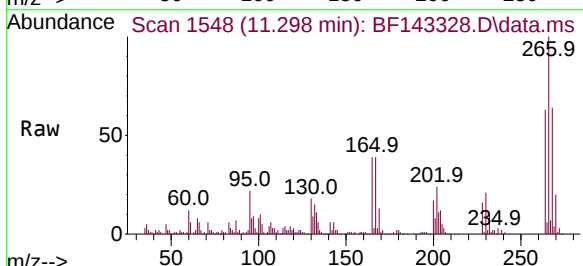
Tgt Ion:266 Resp: 139449

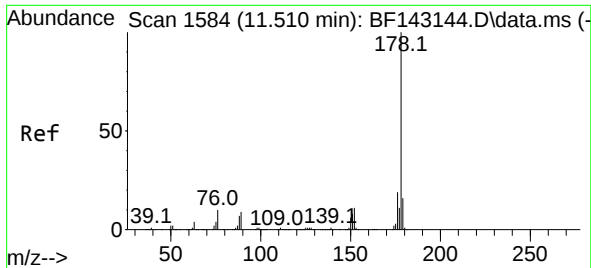
Ion Ratio Lower Upper

266 100

268 64.3 51.9 77.9

264 63.2 51.0 76.6

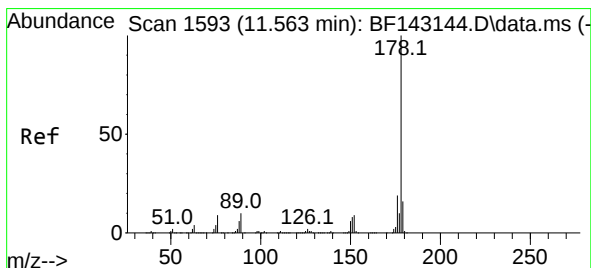
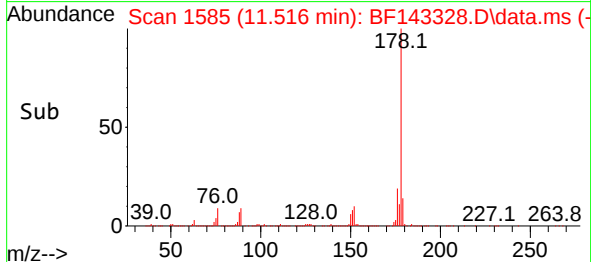
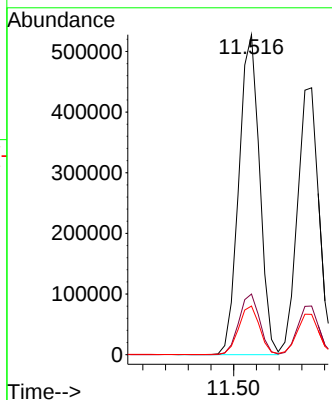
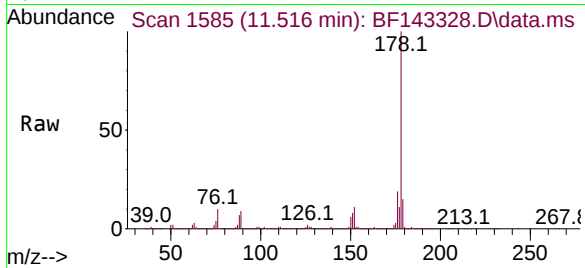




#71
Phenanthrene
Concen: 51.696 ng
RT: 11.516 min Scan# 1154
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

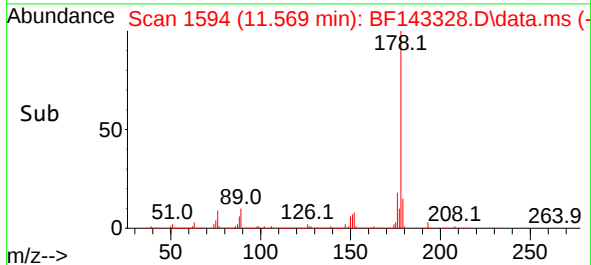
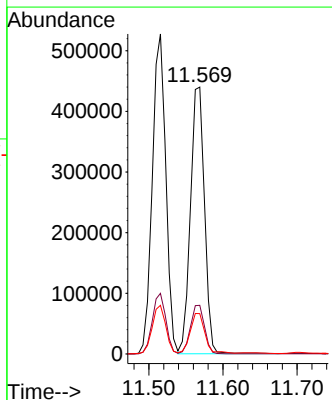
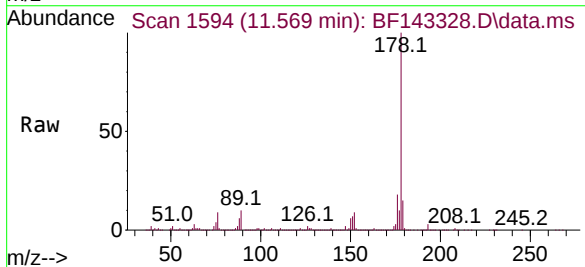
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

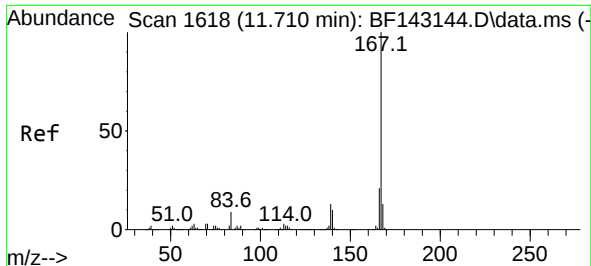
Tgt Ion:178 Resp: 665661
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.2 12.5 18.7



#72
Anthracene
Concen: 43.970 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:178 Resp: 577439
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.4
179 15.1 12.5 18.7

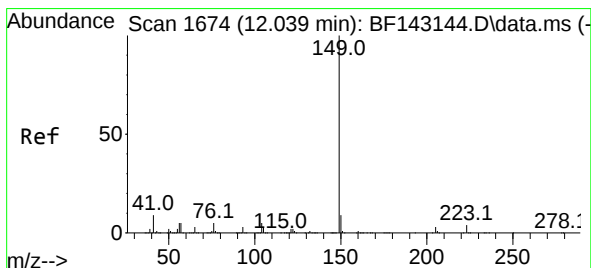
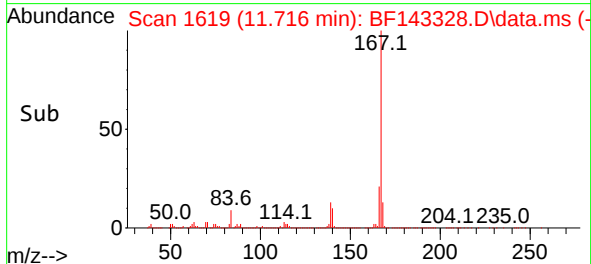
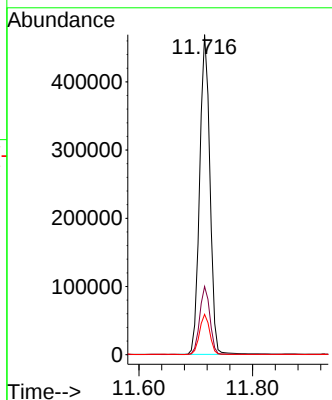
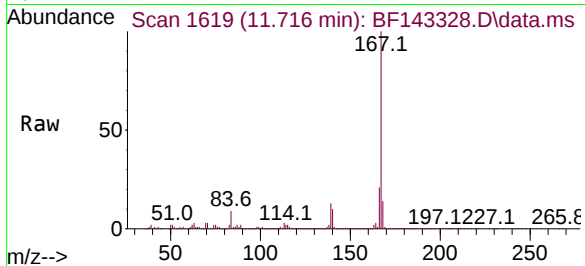




#73
 Carbazole
 Concen: 51.337 ng
 RT: 11.716 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: BF143328.D
 Acq: 06 Aug 2025 14:18

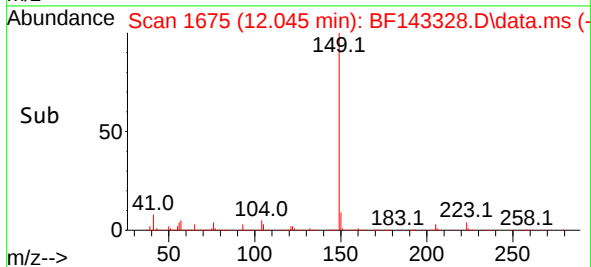
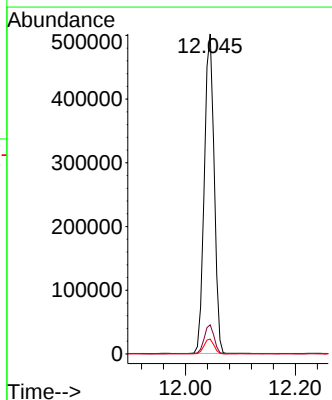
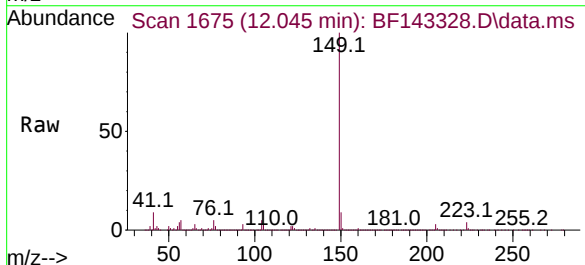
Instrument :
 BNA_F
 ClientSampleId :
 TP-2MSD

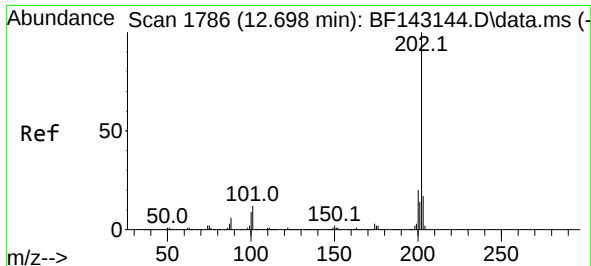
Tgt Ion:167 Resp: 588690
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.6
 139 12.6 10.0 15.0



#74
 Di-n-butylphthalate
 Concen: 47.823 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143328.D
 Acq: 06 Aug 2025 14:18

Tgt Ion:149 Resp: 620508
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 4.6 3.8 5.8

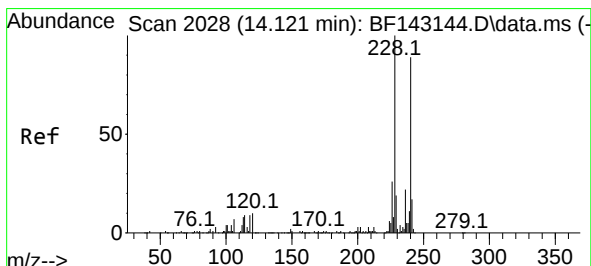
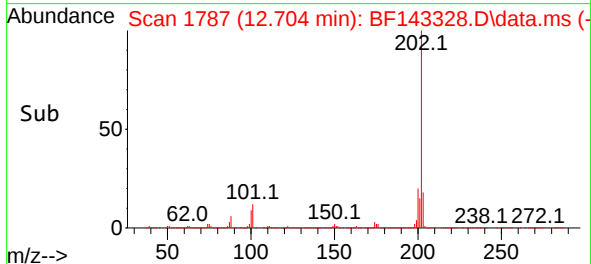
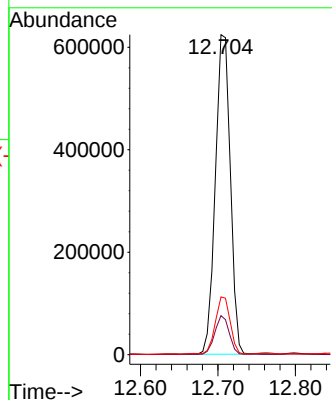
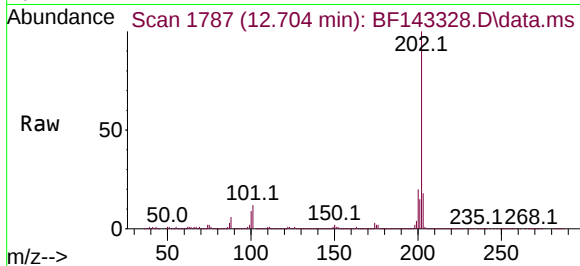




#75
Fluoranthene
Concen: 70.829 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

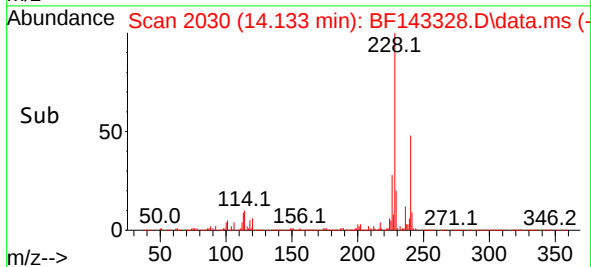
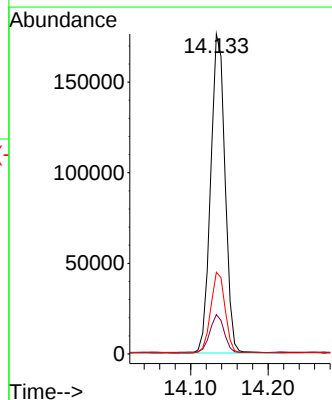
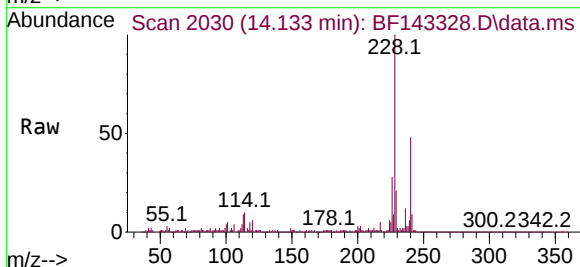
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

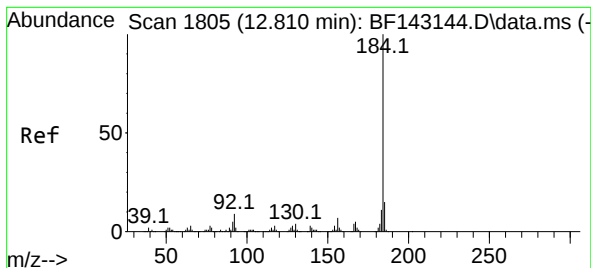
Tgt Ion:202 Resp: 837113
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.7
203 18.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:240 Resp: 226614
Ion Ratio Lower Upper
240 100
120 12.3 9.4 14.2
236 25.5 20.2 30.4





#77

Benzidine

Concen: 17.287 ng

RT: 12.816 min Scan# 1806

Delta R.T. 0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

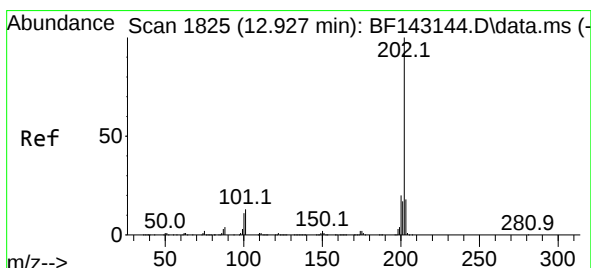
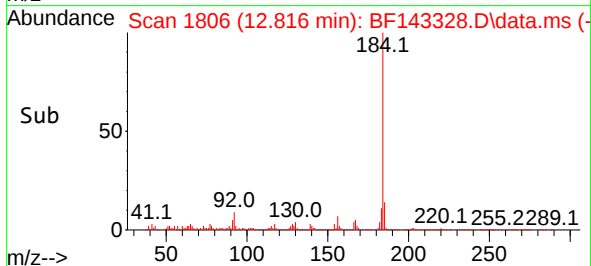
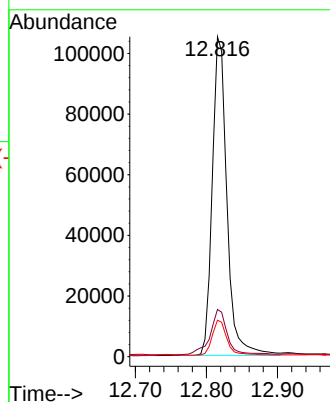
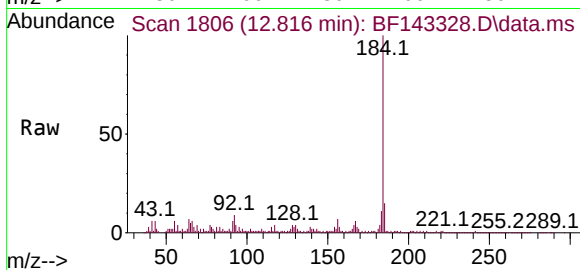
Tgt Ion:184 Resp: 150932

Ion Ratio Lower Upper

184 100

185 14.7 12.2 18.4

183 11.4 9.0 13.4



#78

Pyrene

Concen: 42.429 ng

RT: 12.933 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

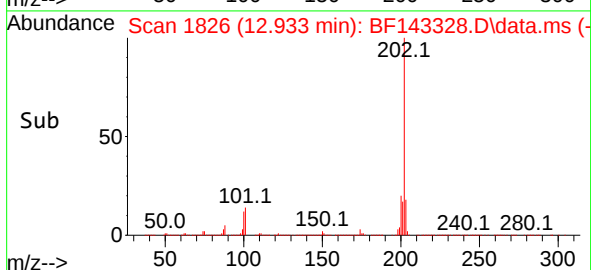
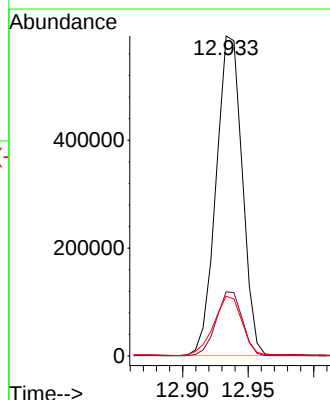
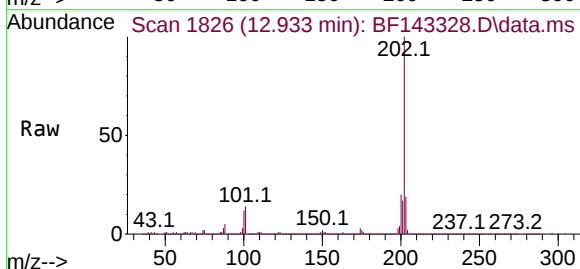
Tgt Ion:202 Resp: 820589

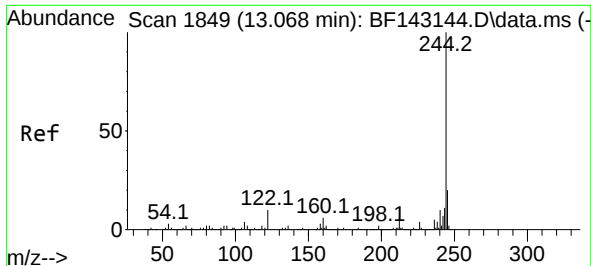
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 18.6 14.2 21.2

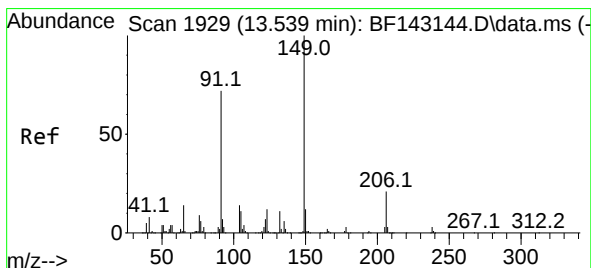
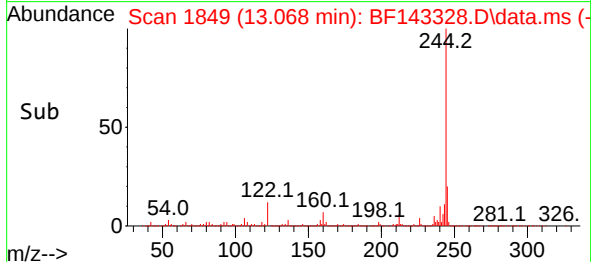
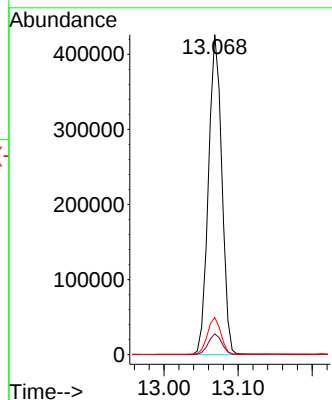
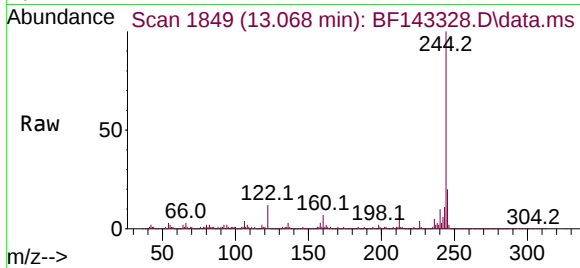




#79
 Terphenyl-d14
 Concen: 35.024 ng
 RT: 13.068 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF143328.D
 Acq: 06 Aug 2025 14:18

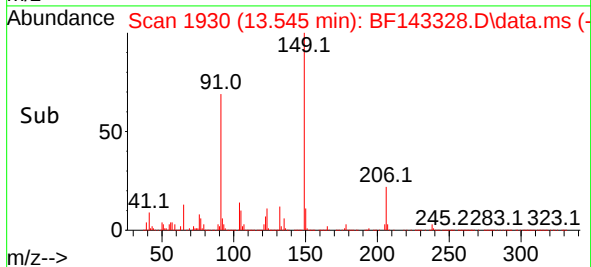
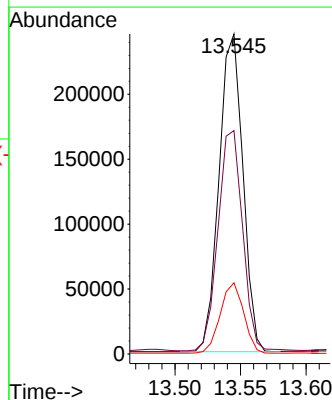
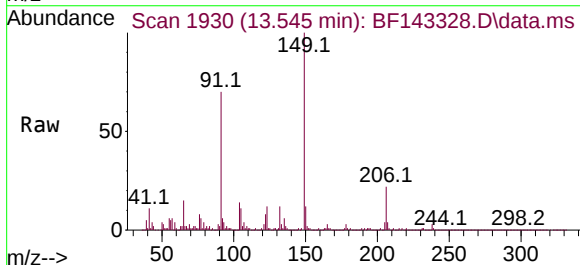
Instrument :
 BNA_F
 ClientSampleId :
 TP-2MSD

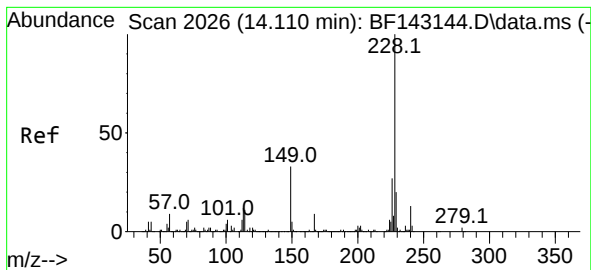
Tgt Ion:244 Resp: 533354
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 11.6 8.2 12.2



#80
 Butylbenzylphthalate
 Concen: 52.158 ng
 RT: 13.545 min Scan# 1930
 Delta R.T. 0.006 min
 Lab File: BF143328.D
 Acq: 06 Aug 2025 14:18

Tgt Ion:149 Resp: 308896
 Ion Ratio Lower Upper
 149 100
 91 69.8 57.9 86.9
 206 22.2 17.0 25.4





#81

Benzo(a)anthracene

Concen: 55.197 ng

RT: 14.127 min Scan# 2026

Delta R.T. 0.018 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

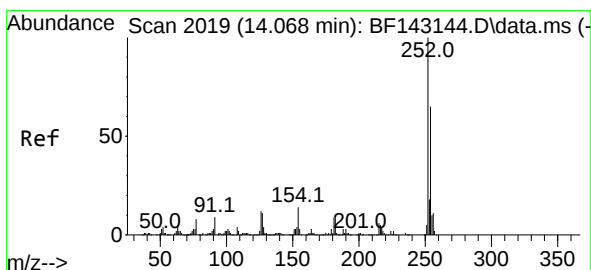
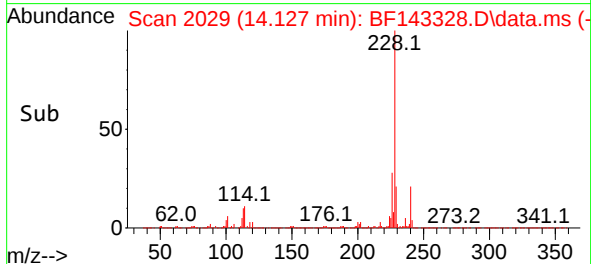
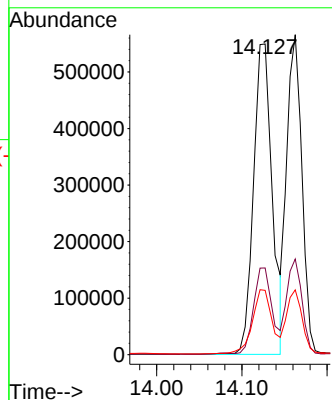
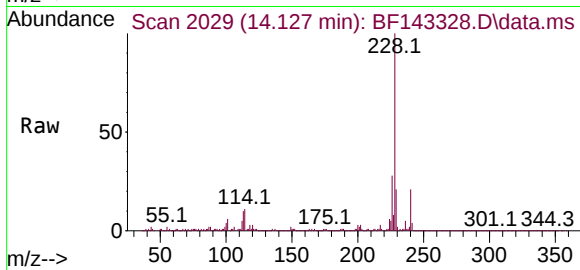
Tgt Ion:228 Resp: 837438

Ion Ratio Lower Upper

228 100

226 27.9 21.7 32.5

229 20.7 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 32.583 ng

RT: 14.080 min Scan# 2021

Delta R.T. 0.012 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

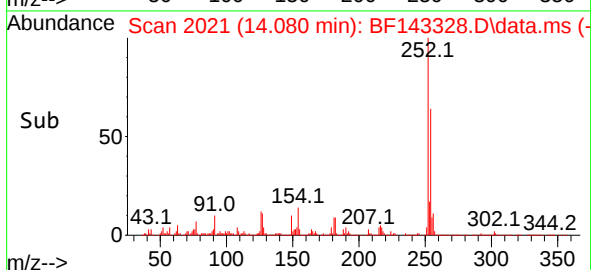
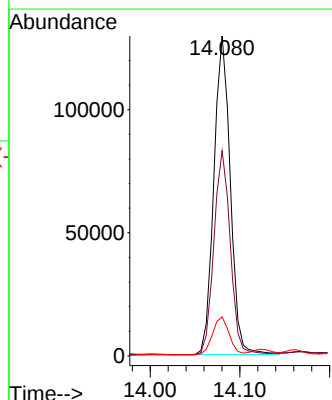
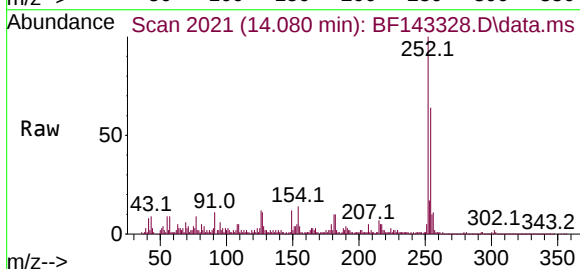
Tgt Ion:252 Resp: 164761

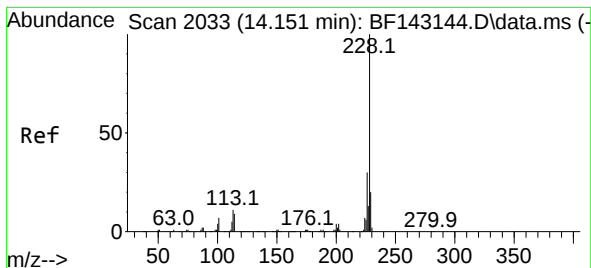
Ion Ratio Lower Upper

252 100

254 64.1 51.7 77.5

126 12.2 9.4 14.0





#83

Chrysene

Concen: 51.115 ng

RT: 14.163 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

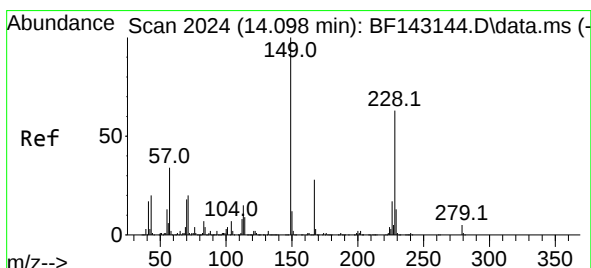
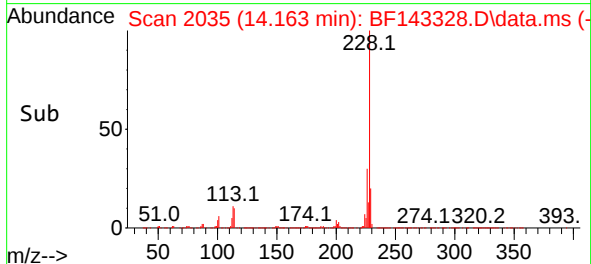
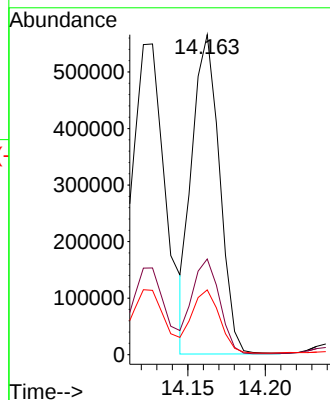
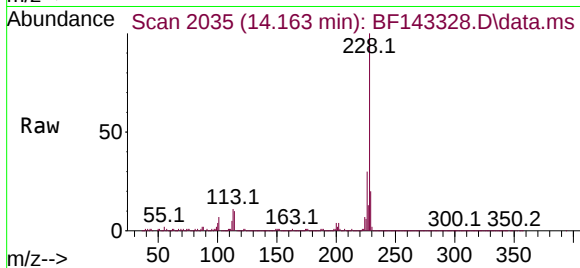
Tgt Ion:228 Resp: 697253

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 20.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 66.969 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

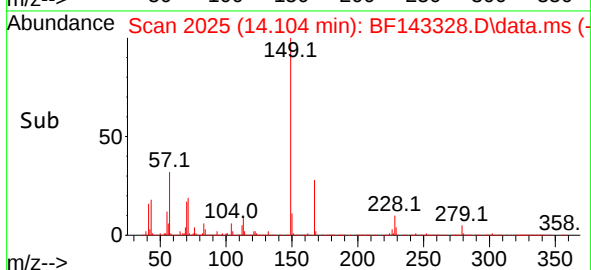
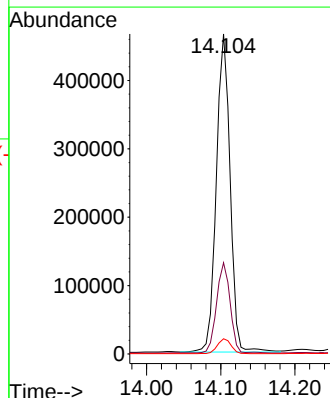
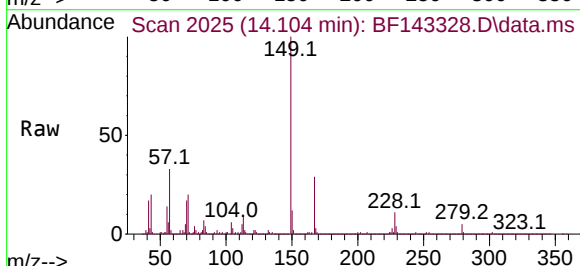
Tgt Ion:149 Resp: 600300

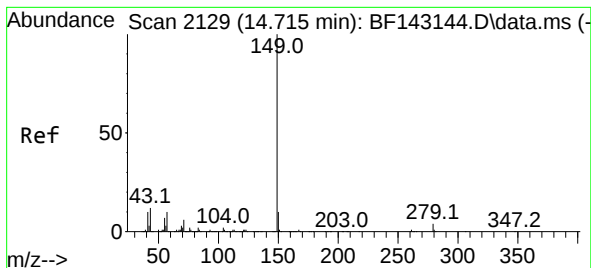
Ion Ratio Lower Upper

149 100

167 28.5 22.3 33.5

279 4.8 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 39.437 ng

RT: 14.715 min Scan# 2129

Delta R.T. -0.000 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

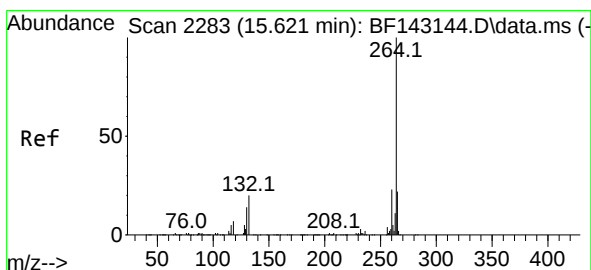
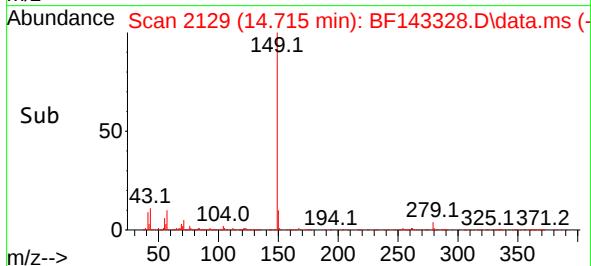
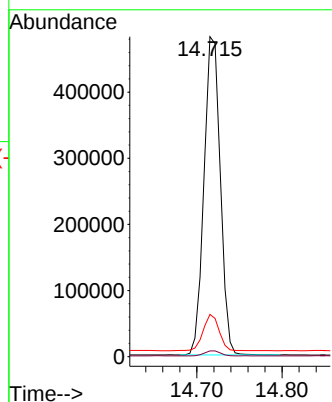
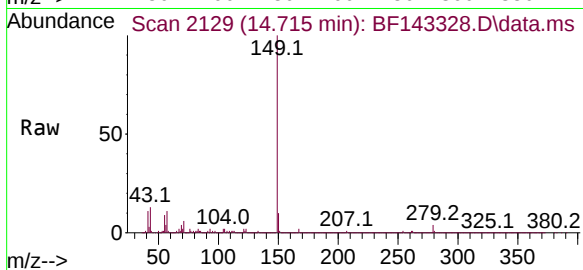
Tgt Ion:149 Resp: 640779

Ion Ratio Lower Upper

149 100

167 1.6 1.1 1.7

43 11.2 9.7 14.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 2287

Delta R.T. 0.024 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

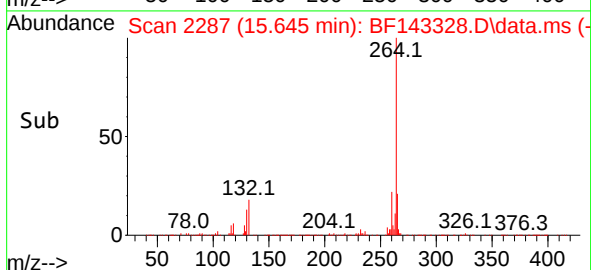
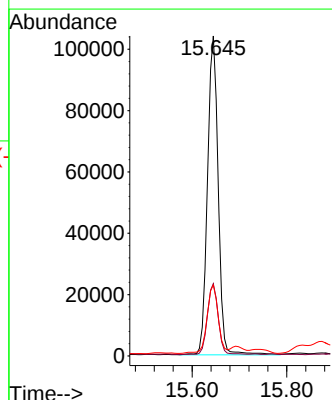
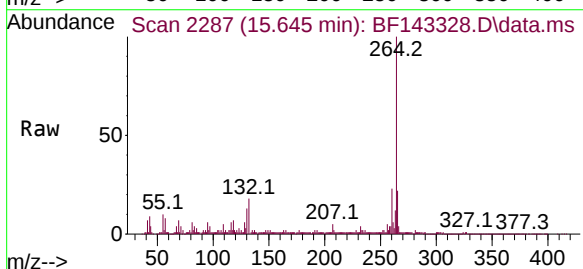
Tgt Ion:264 Resp: 163037

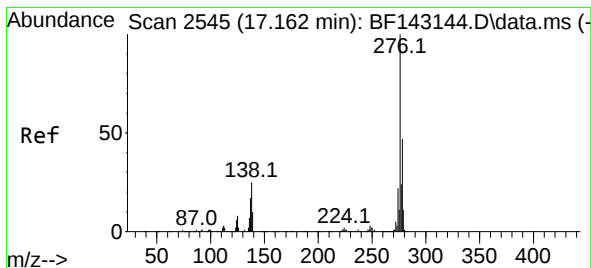
Ion Ratio Lower Upper

264 100

260 22.6 18.5 27.7

265 22.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 37.647 ng

RT: 17.198 min Scan# 2111

Delta R.T. 0.035 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

Instrument :

BNA_F

ClientSampleId :

TP-2MSD

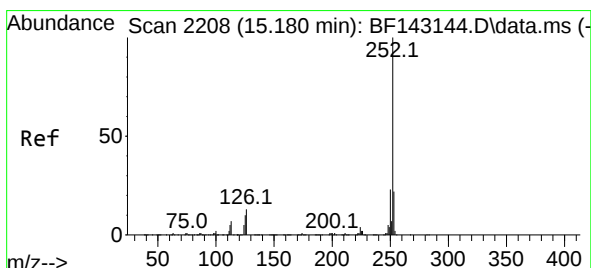
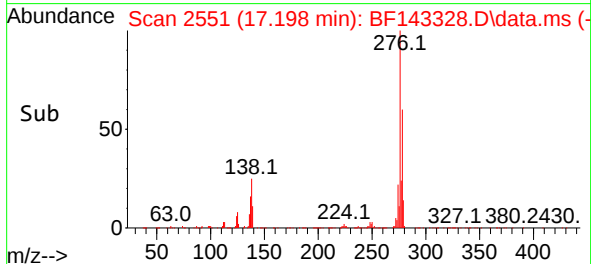
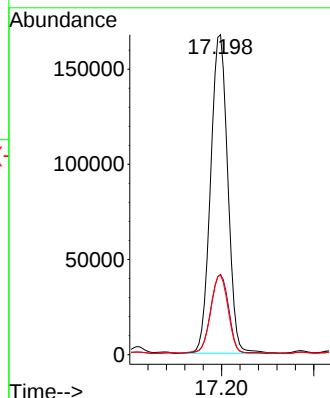
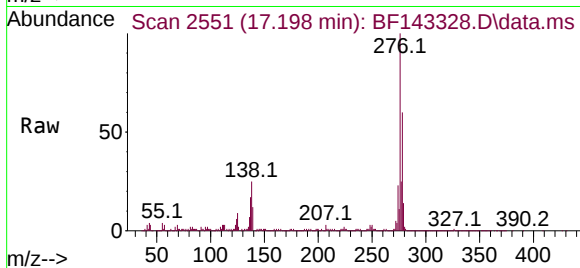
Tgt Ion:276 Resp: 432800

Ion Ratio Lower Upper

276 100

138 25.9 21.8 32.6

277 24.6 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 68.534 ng

RT: 15.198 min Scan# 2211

Delta R.T. 0.018 min

Lab File: BF143328.D

Acq: 06 Aug 2025 14:18

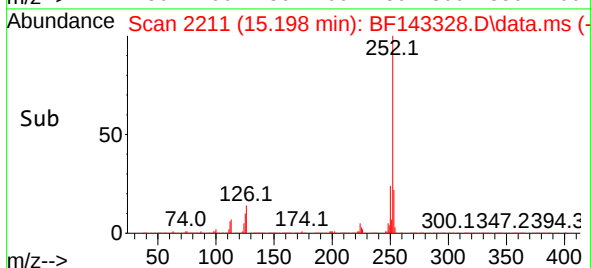
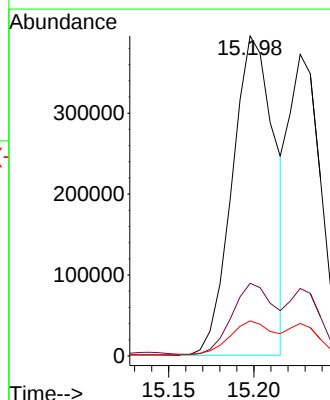
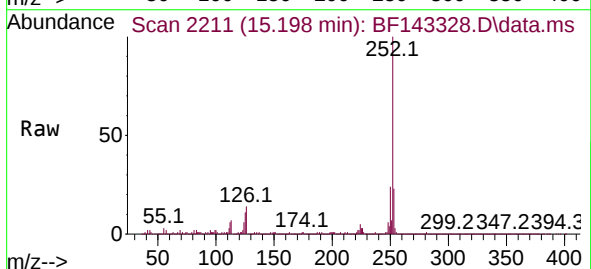
Tgt Ion:252 Resp: 682609

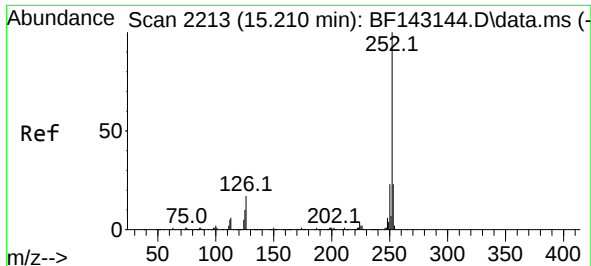
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 10.9 8.0 12.0

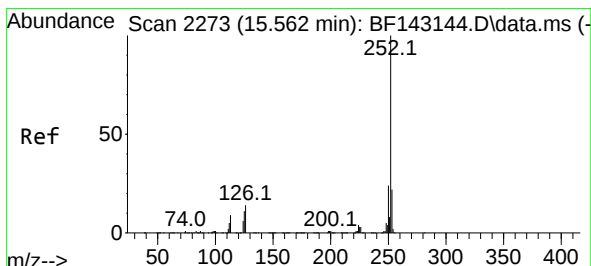
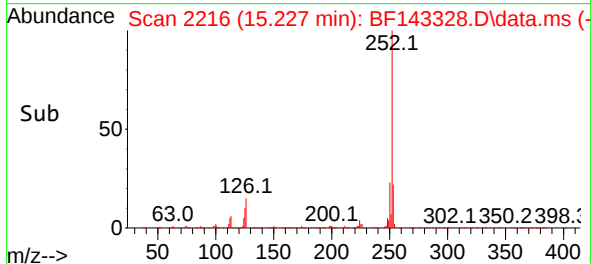
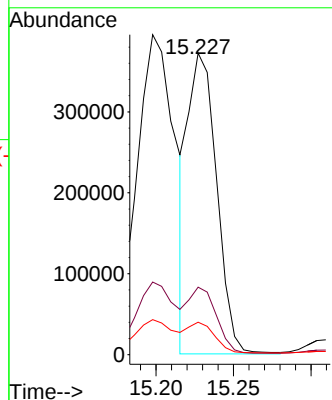
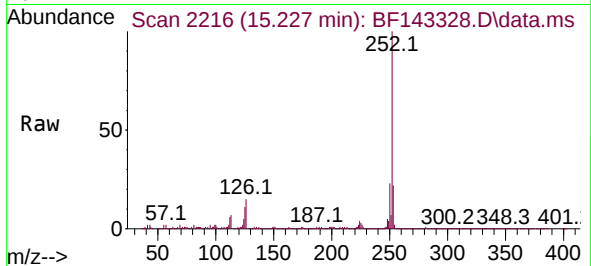




#89
Benzo(k)fluoranthene
Concen: 54.024 ng
RT: 15.227 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

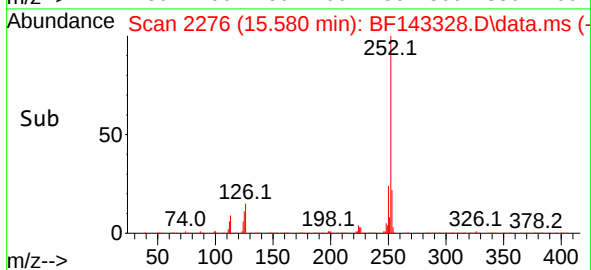
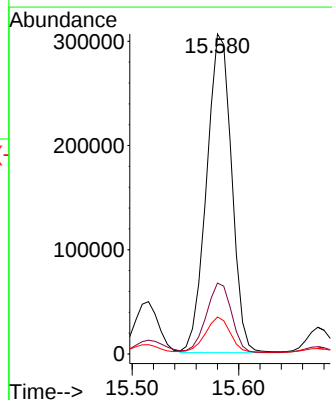
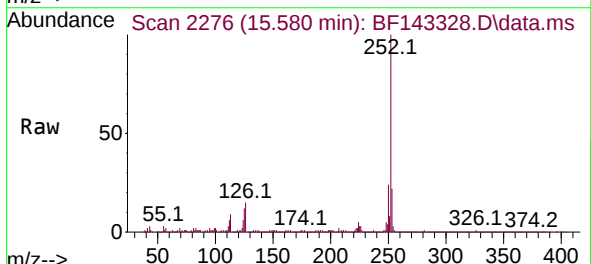
Instrument :
BNA_F
ClientSampleId :
TP-2MSD

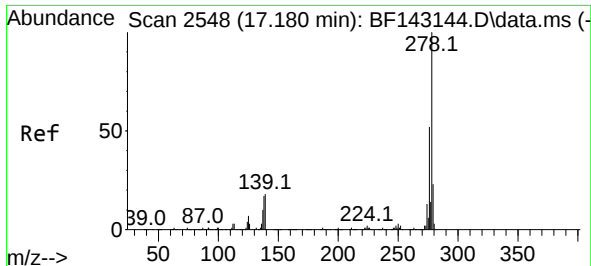
Tgt Ion:252 Resp: 480156
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 10.8 8.1 12.1



#90
Benzo(a)pyrene
Concen: 54.378 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.018 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:252 Resp: 499008
Ion Ratio Lower Upper
252 100
253 22.2 17.3 25.9
125 11.5 8.6 13.0

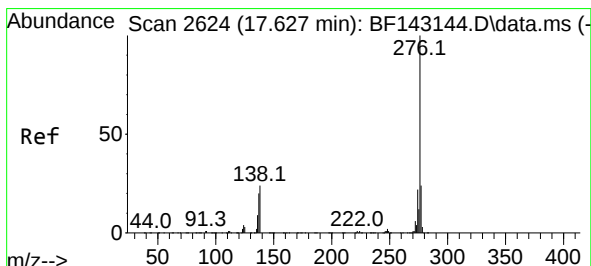
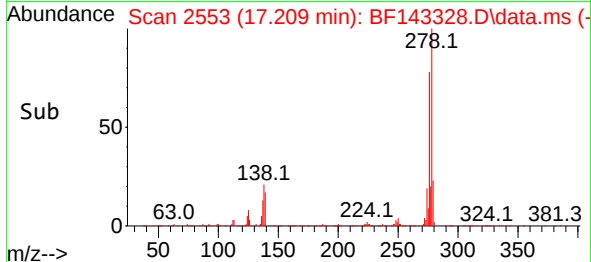
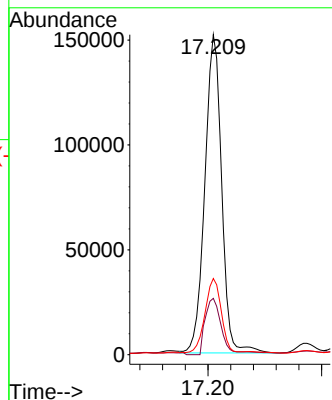
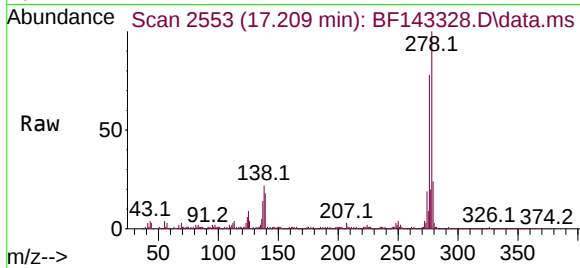




#91
Dibenzo(a,h)anthracene
Concen: 33.216 ng
RT: 17.209 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Instrument :
BNA_F
ClientSampleId :
TP-2MSD

Tgt Ion:278 Resp: 310806
Ion Ratio Lower Upper
278 100
139 17.6 14.1 21.1
279 23.8 18.6 28.0



#92
Benzo(g,h,i)perylene
Concen: 39.003 ng
RT: 17.662 min Scan# 2630
Delta R.T. 0.035 min
Lab File: BF143328.D
Acq: 06 Aug 2025 14:18

Tgt Ion:276 Resp: 353039
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 23.6 18.9 28.3

