

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
 Data File : BF141829.D
 Acq On : 04 Mar 2025 16:17
 Operator : RC/JU
 Sample : Q1480-25MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Quant Time: Mar 04 16:37:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	269412	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	1059981	20.000	ng	-0.01
39) Acenaphthene-d10	9.922	164	550526	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	852758	20.000	ng	0.00
76) Chrysene-d12	14.039	240	532651	20.000	ng	-0.01
86) Perylene-d12	15.509	264	576587	20.000	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1864612	110.528	ng	0.02
7) Phenol-d6	6.510	99	2380334	108.405	ng	0.00
23) Nitrobenzene-d5	7.445	82	1557559	93.926	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	602027	116.481	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2683353	78.155	ng	0.00
79) Terphenyl-d14	12.986	244	2314431	70.300	ng	-0.01

Target Compounds					Qvalue
2) 1,4-Dioxane	2.781	88	333082	43.513	ng 98
3) Pyridine	3.534	79	784204	41.175	ng 99
4) n-Nitrosodimethylamine	3.481	42	400003	43.649	ng 96
6) Aniline	6.551	93	677491	29.678	ng 99
8) 2-Chlorophenol	6.669	128	802399	43.969	ng 98
9) Benzaldehyde	6.434	77	299099	23.418	ng 100
10) Phenol	6.522	94	988824	42.142	ng 99
11) bis(2-Chloroethyl)ether	6.622	93	741453	41.455	ng 98
12) 1,3-Dichlorobenzene	6.828	146	831800	42.561	ng 99
13) 1,4-Dichlorobenzene	6.904	146	833612	42.332	ng 99
14) 1,2-Dichlorobenzene	7.057	146	794669	43.216	ng 99
15) Benzyl Alcohol	7.022	79	705441	40.199	ng 99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	1123909	41.377	ng 99
17) 2-Methylphenol	7.128	107	642180	42.631	ng 99
18) Hexachloroethane	7.398	117	314428	42.661	ng 99
19) n-Nitroso-di-n-propyla...	7.292	70	564629	39.117	ng 98
20) 3+4-Methylphenols	7.281	107	785680	41.887	ng 94
22) Acetophenone	7.292	105	1174055	45.478	ng 99
24) Nitrobenzene	7.463	77	839900	47.297	ng 99
25) Isophorone	7.704	82	1516776	42.575	ng 99
26) 2-Nitrophenol	7.781	139	386819	48.690	ng 99
27) 2,4-Dimethylphenol	7.810	122	691017	52.766	ng 99
28) bis(2-Chloroethoxy)met...	7.910	93	926033	40.748	ng 99
29) 2,4-Dichlorophenol	8.016	162	641999	42.494	ng 100
30) 1,2,4-Trichlorobenzene	8.104	180	697882	42.156	ng 99
31) Naphthalene	8.186	128	2258661	41.460	ng 99
32) Benzoic acid	7.910	122	353889	34.880	ng 99
33) 4-Chloroaniline	8.228	127	320770	16.058	ng 100
34) Hexachlorobutadiene	8.304	225	431942	41.987	ng 99
35) Caprolactam	8.592	113	135075	29.063	ng 99
36) 4-Chloro-3-methylphenol	8.710	107	665556	39.657	ng 96
37) 2-Methylnaphthalene	8.880	142	1405135	39.323	ng 99
38) 1-Methylnaphthalene	8.975	142	1378066	40.192	ng 100
40) 1,2,4,5-Tetrachloroben...	9.045	216	744993	46.855	ng 99
41) Hexachlorocyclopentadiene	9.033	237	920860	138.779	ng 99
43) 2,4,6-Trichlorophenol	9.151	196	458670	44.658	ng 100

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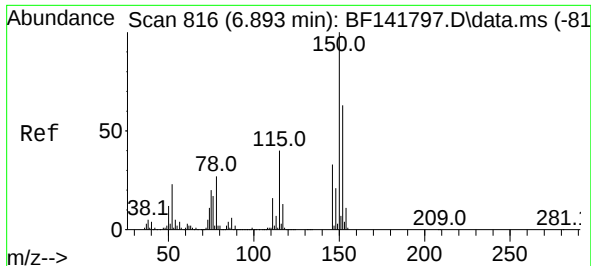
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	452751	44.517	ng	98
46) 1,1'-Biphenyl	9.339	154	1967816	46.960	ng	99
47) 2-Chloronaphthalene	9.369	162	1354050	43.781	ng	98
48) 2-Nitroaniline	9.457	65	409629	48.351	ng	98
49) Acenaphthylene	9.780	152	2077335	44.798	ng	99
50) Dimethylphthalate	9.639	163	1517586	41.163	ng	100
51) 2,6-Dinitrotoluene	9.698	165	327070	46.470	ng	98
52) Acenaphthene	9.957	154	1434885	45.859	ng	99
53) 3-Nitroaniline	9.869	138	206709	28.781	ng #	94
54) 2,4-Dinitrophenol	9.975	184	264535	81.242	ng #	1
55) Dibenzofuran	10.127	168	1839908	40.401	ng	99
56) 4-Nitrophenol	10.022	139	578991	106.331	ng	97
57) 2,4-Dinitrotoluene	10.104	165	433753	50.178	ng	94
58) Fluorene	10.469	166	1386308	40.639	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	377503	42.679	ng	99
60) Diethylphthalate	10.339	149	1461659	39.548	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	688829	40.302	ng	99
62) 4-Nitroaniline	10.480	138	319547	50.753	ng	94
63) Azobenzene	10.622	77	1635455	42.026	ng	96
65) 4,6-Dinitro-2-methylph...	10.510	198	190108	47.453	ng	93
66) n-Nitrosodiphenylamine	10.580	169	1223838	43.706	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	430164	43.187	ng	97
68) Hexachlorobenzene	11.016	284	461909	43.916	ng	99
69) Atrazine	11.104	200	444639	57.743	ng	99
70) Pentachlorophenol	11.204	266	543257	81.437	ng	99
71) Phenanthrene	11.433	178	1996837	43.777	ng	100
72) Anthracene	11.480	178	2001696	43.786	ng	100
73) Carbazole	11.633	167	1692332	41.920	ng	99
74) Di-n-butylphthalate	11.963	149	2070500	40.461	ng	100
75) Fluoranthene	12.616	202	1888989	40.416	ng	99
77) Benzidine	12.733	184	705054	105.167	ng	100
78) Pyrene	12.845	202	1888201	40.937	ng	100
80) Butylbenzylphthalate	13.463	149	735751	43.904	ng	99
81) Benzo(a)anthracene	14.033	228	1548398	44.010	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	337307	33.416	ng	99
83) Chrysene	14.068	228	1355205	41.786	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	984028	47.159	ng	98
85) Di-n-octyl phthalate	14.633	149	1638402	52.447	ng	100
87) Indeno(1,2,3-cd)pyrene	17.003	276	1804146	49.139	ng	99
88) Benzo(b)fluoranthene	15.080	252	1625962	41.399	ng	100
89) Benzo(k)fluoranthene	15.109	252	1277610	38.272	ng	100
90) Benzo(a)pyrene	15.451	252	1419428	45.064	ng	100
91) Dibenzo(a,h)anthracene	17.021	278	1449156	48.355	ng	99
92) Benzo(g,h,i)perylene	17.451	276	1406498	45.811	ng	100

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

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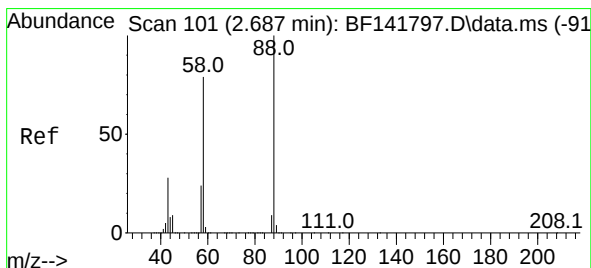
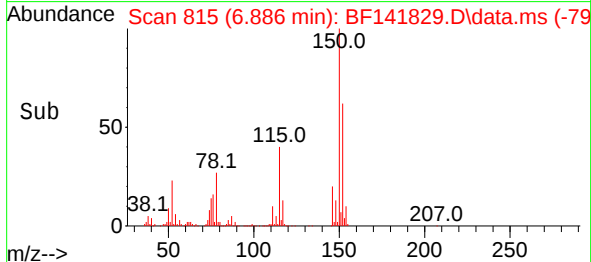
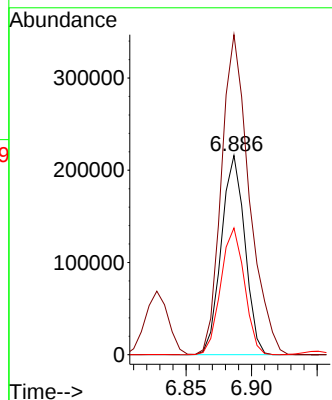
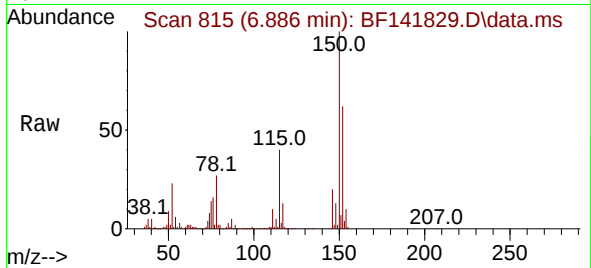




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BF141829.D
 Acq: 04 Mar 2025 16:17

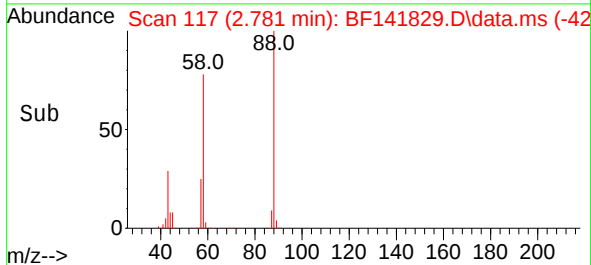
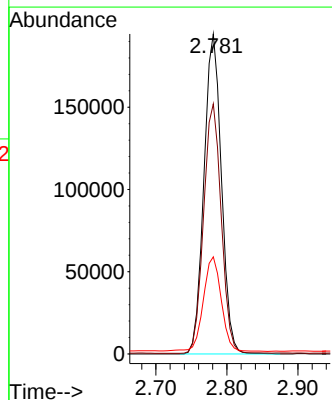
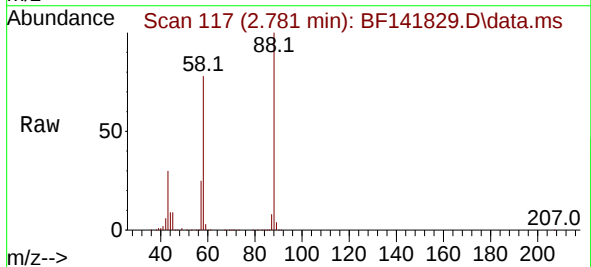
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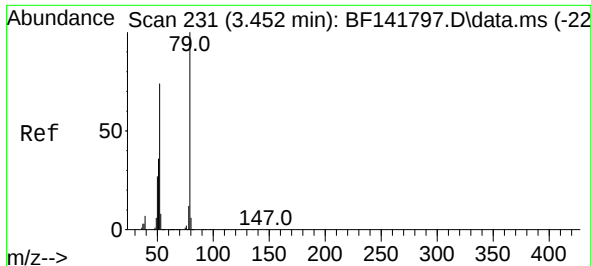
Tgt Ion:152 Resp: 269412
 Ion Ratio Lower Upper
 152 100
 150 160.7 127.5 191.3
 115 63.6 51.4 77.2



#2
 1,4-Dioxane
 Concen: 43.513 ng
 RT: 2.781 min Scan# 117
 Delta R.T. 0.094 min
 Lab File: BF141829.D
 Acq: 04 Mar 2025 16:17

Tgt Ion: 88 Resp: 333082
 Ion Ratio Lower Upper
 88 100
 58 78.7 63.9 95.9
 43 30.4 23.0 34.6

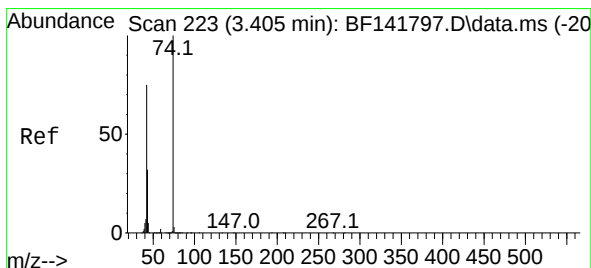
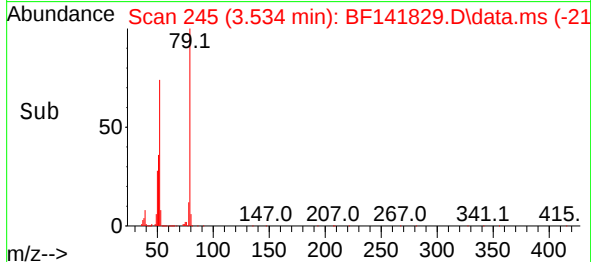
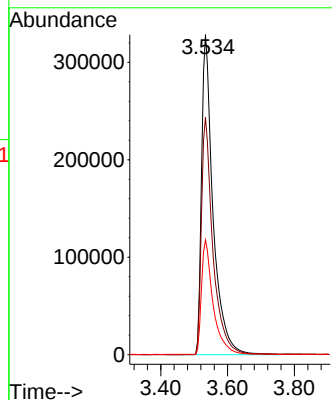
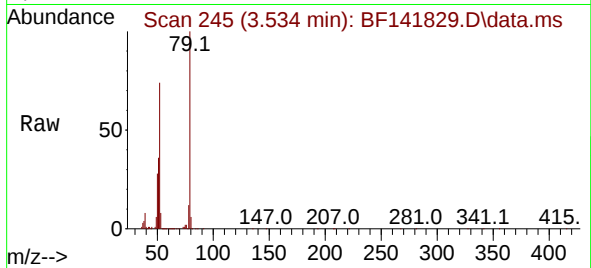




#3
Pyridine
Concen: 41.175 ng
RT: 3.534 min Scan# 245
Delta R.T. 0.082 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

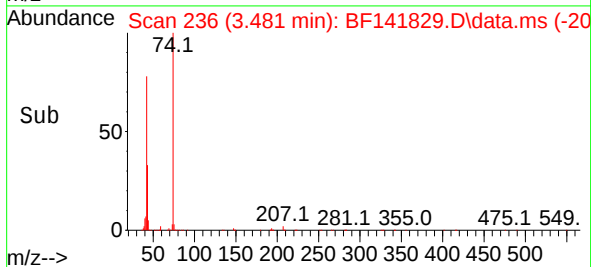
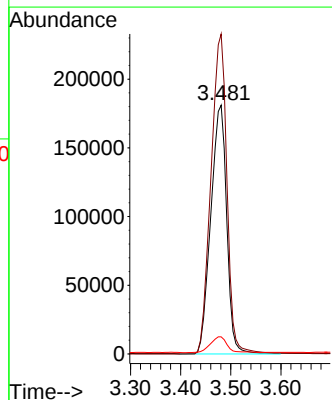
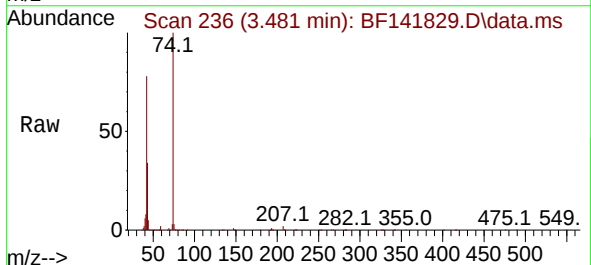
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BNA_F
ClientSampleId :
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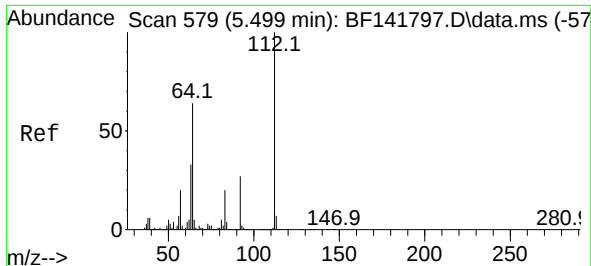
Tgt Ion: 79 Resp: 784204
Ion Ratio Lower Upper
79 100
52 74.3 59.0 88.4
51 35.9 29.0 43.4



#4
n-Nitrosodimethylamine
Concen: 43.649 ng
RT: 3.481 min Scan# 236
Delta R.T. 0.076 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion: 42 Resp: 400003
Ion Ratio Lower Upper
42 100
74 128.6 107.1 160.7
44 6.9 6.6 9.8

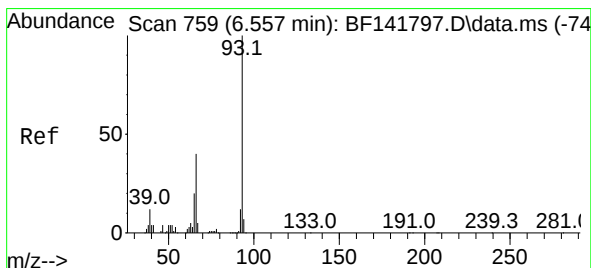
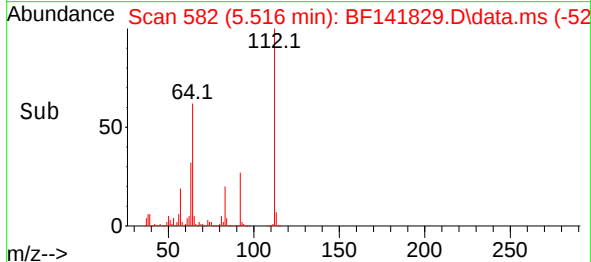
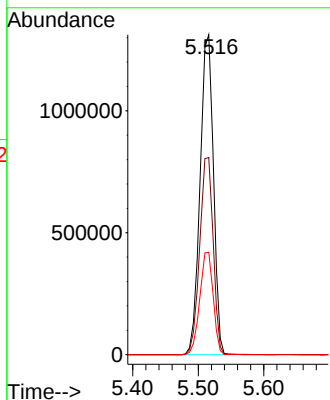
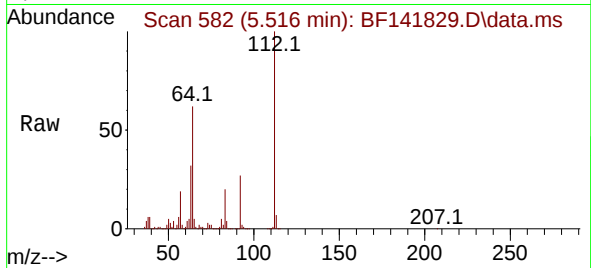




#5
2-Fluorophenol
Concen: 110.528 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.017 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

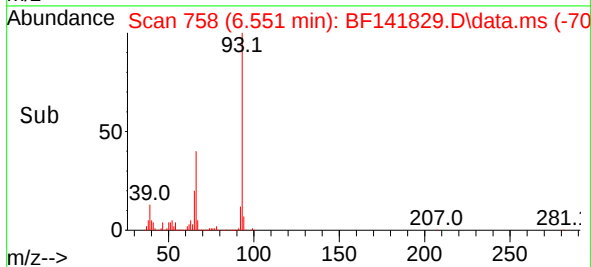
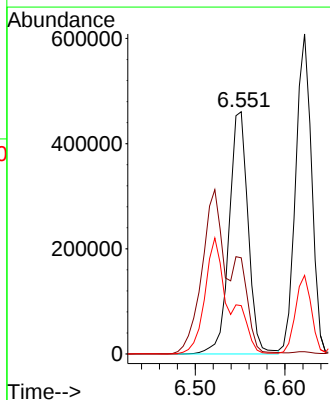
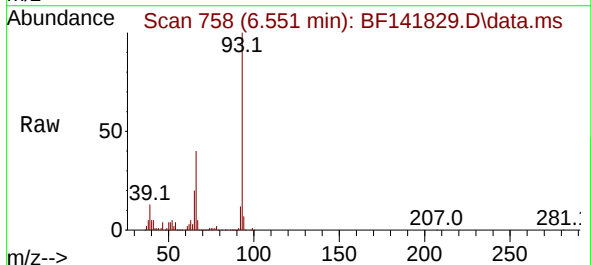
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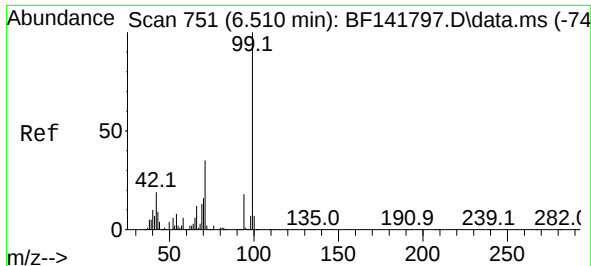
Tgt Ion:112 Resp: 1864612
Ion Ratio Lower Upper
112 100
64 61.6 51.3 76.9
63 32.0 26.2 39.4



#6
Aniline
Concen: 29.678 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion: 93 Resp: 677491
Ion Ratio Lower Upper
93 100
66 39.7 32.3 48.5
65 20.0 15.9 23.9

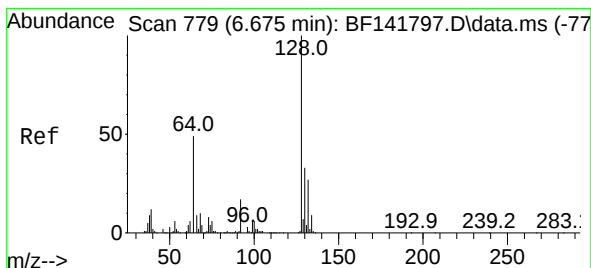
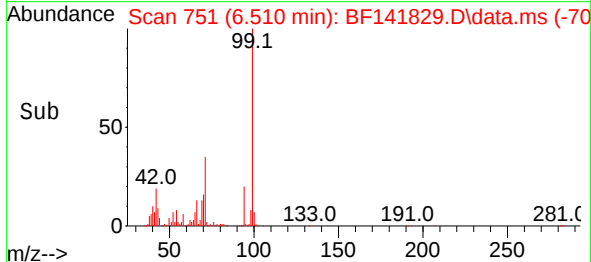
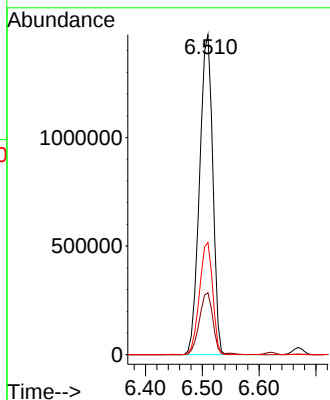
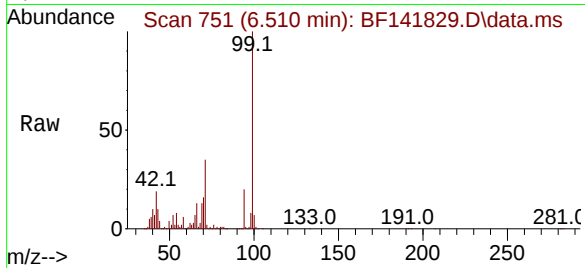




#7
Phenol-d6
Concen: 108.405 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.000 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

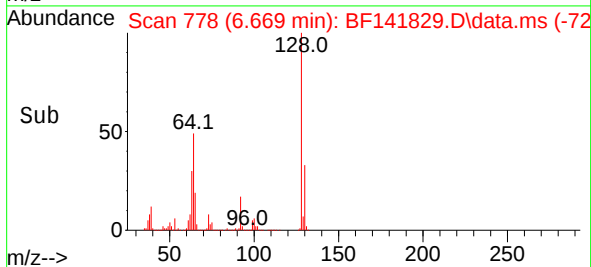
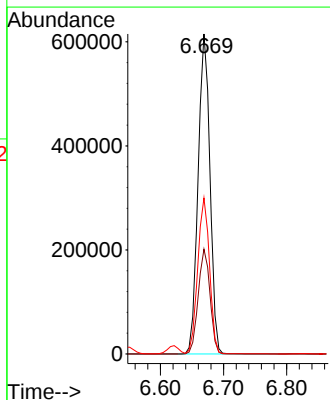
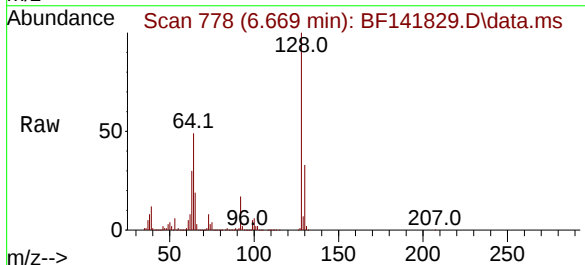
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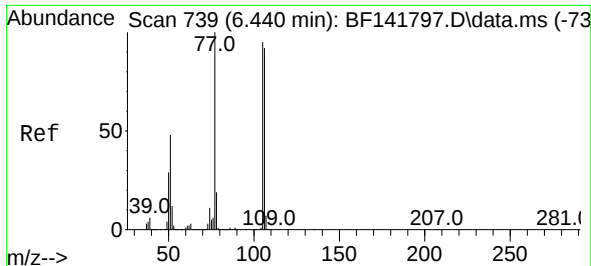
Tgt Ion: 99 Resp: 2380334
Ion Ratio Lower Upper
99 100
42 19.4 15.2 22.8
71 35.0 28.2 42.2



#8
2-Chlorophenol
Concen: 43.969 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:128 Resp: 802399
Ion Ratio Lower Upper
128 100
130 32.7 12.6 52.6
64 48.7 31.1 71.1

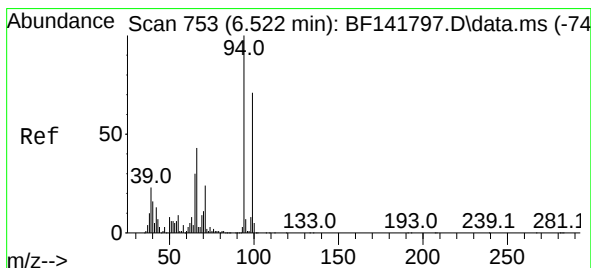
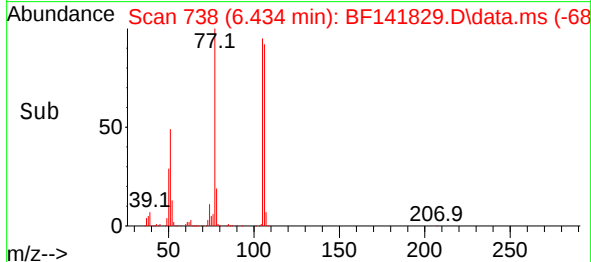
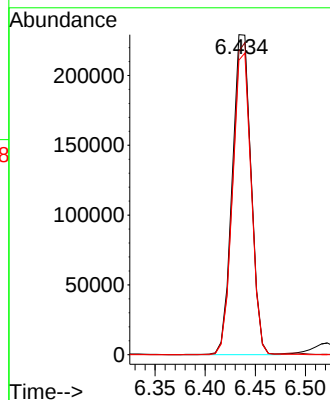
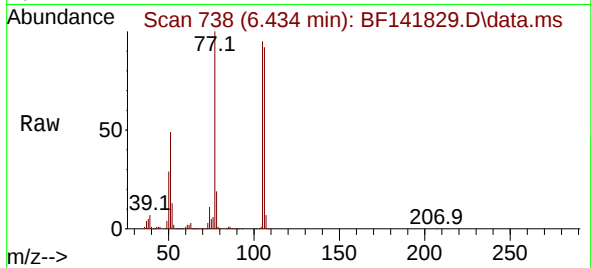




#9
Benzaldehyde
Concen: 23.418 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

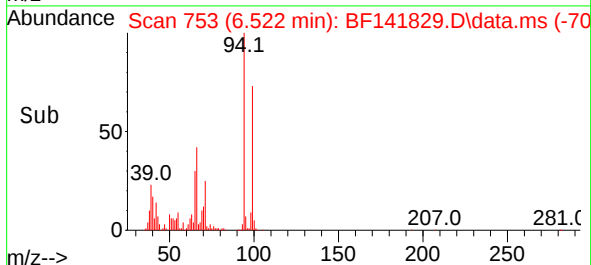
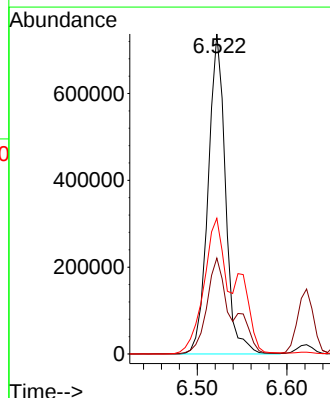
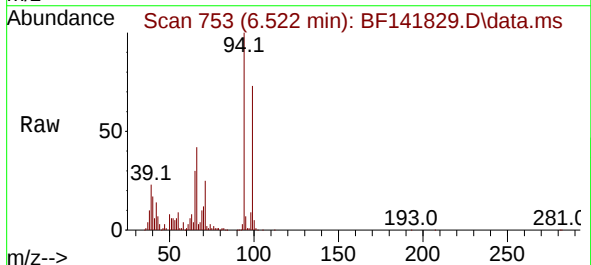
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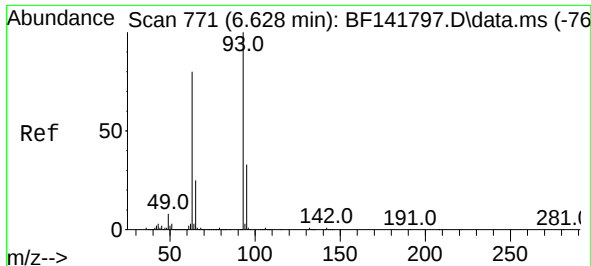
Tgt Ion: 77 Resp: 299099
Ion Ratio Lower Upper
77 100
105 94.8 75.3 115.3
106 92.1 72.3 112.3



#10
Phenol
Concen: 42.142 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion: 94 Resp: 988824
Ion Ratio Lower Upper
94 100
65 29.9 10.2 50.2
66 42.4 23.2 63.2





#11

bis(2-Chloroethyl)ether

Concen: 41.455 ng

RT: 6.622 min Scan# 771

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

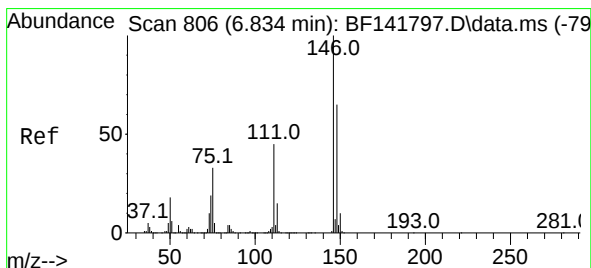
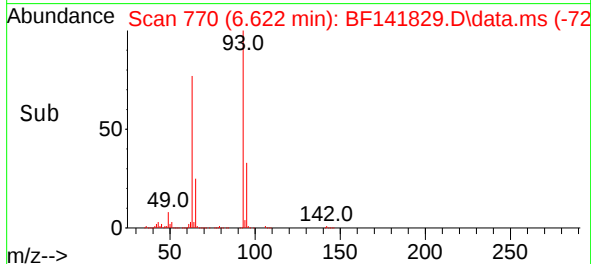
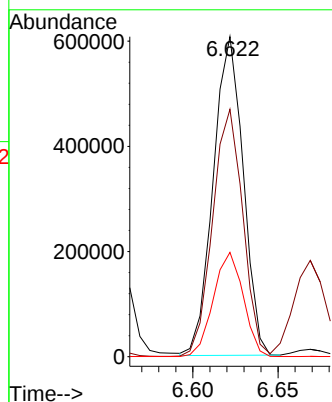
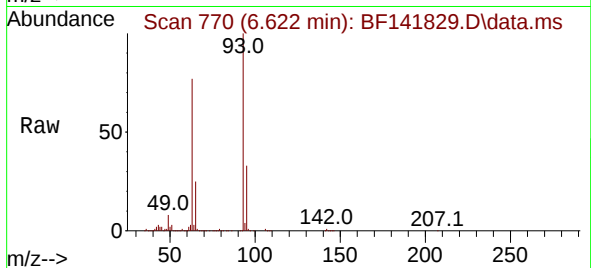
Tgt Ion: 93 Resp: 741453

Ion Ratio Lower Upper

93 100

63 77.3 59.3 99.3

95 32.6 13.2 53.2



#12

1,3-Dichlorobenzene

Concen: 42.561 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

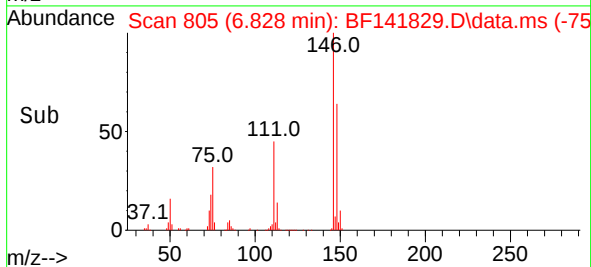
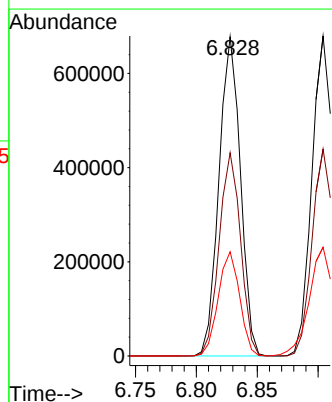
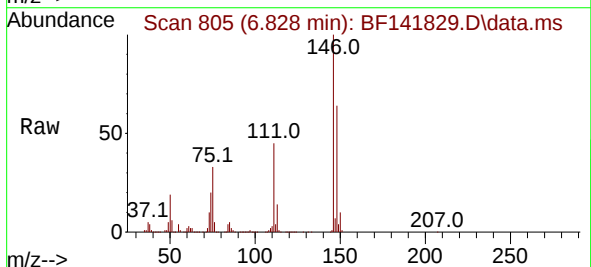
Tgt Ion:146 Resp: 831800

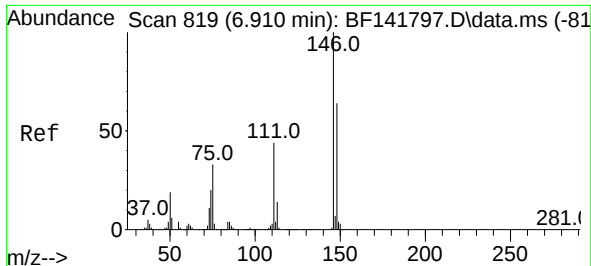
Ion Ratio Lower Upper

146 100

148 63.7 51.8 77.6

75 32.6 26.2 39.4

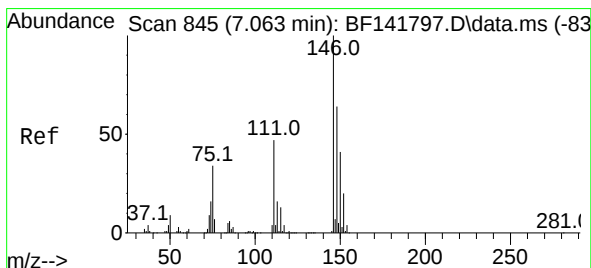
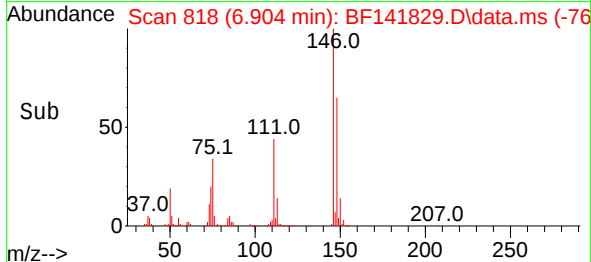
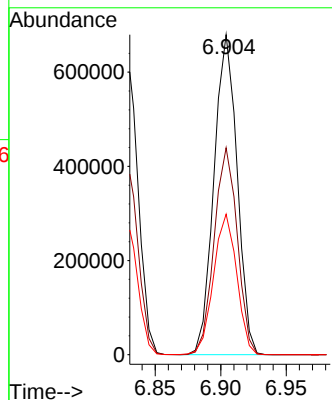
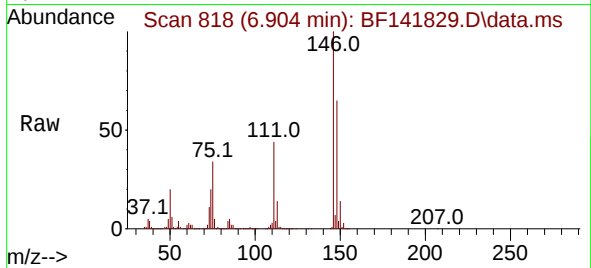




#13
1,4-Dichlorobenzene
Concen: 42.332 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

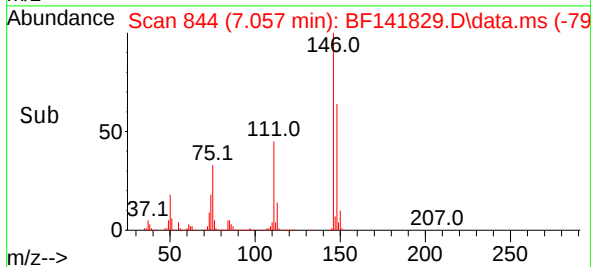
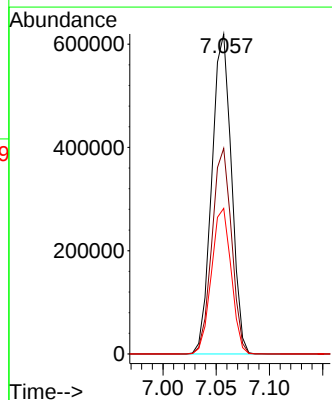
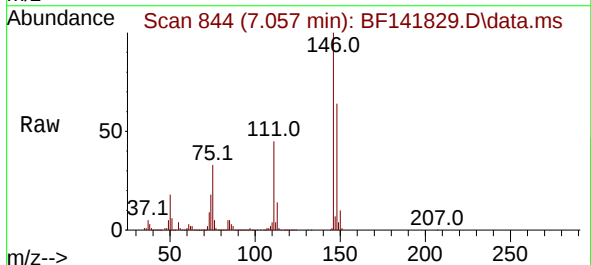
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

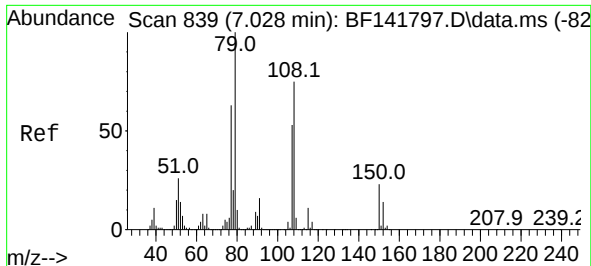
Tgt Ion:146 Resp: 833612
Ion Ratio Lower Upper
146 100
148 64.7 51.4 77.2
111 43.9 35.5 53.3



#14
1,2-Dichlorobenzene
Concen: 43.216 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:146 Resp: 794669
Ion Ratio Lower Upper
146 100
148 64.3 51.2 76.8
111 45.5 37.8 56.6

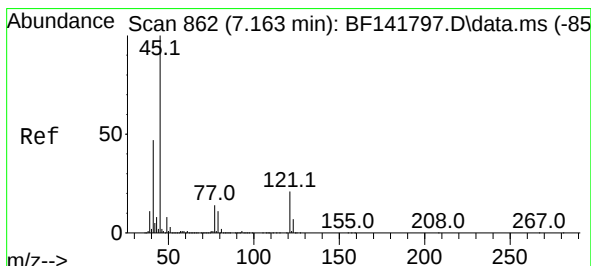
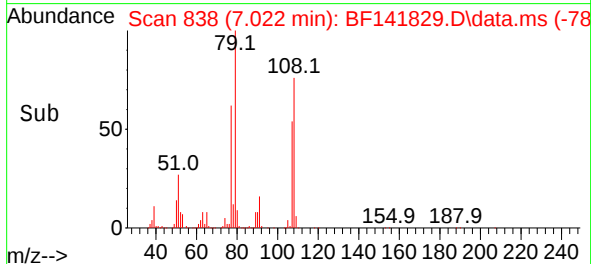
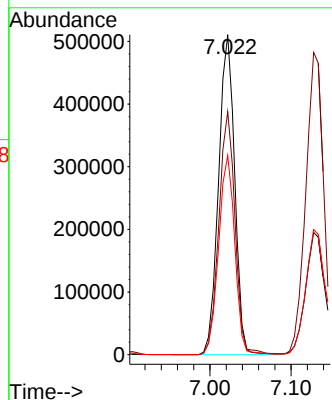
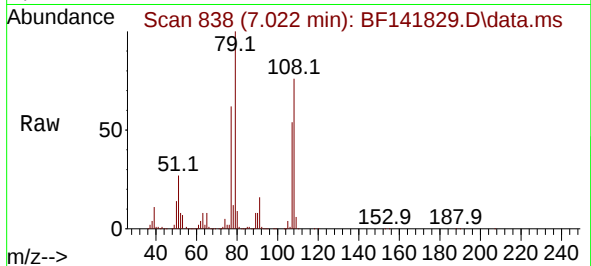




#15
Benzyl Alcohol
Concen: 40.199 ng
RT: 7.022 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

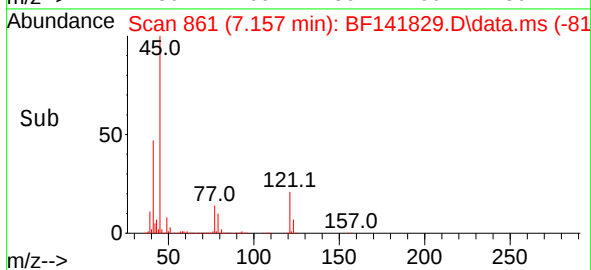
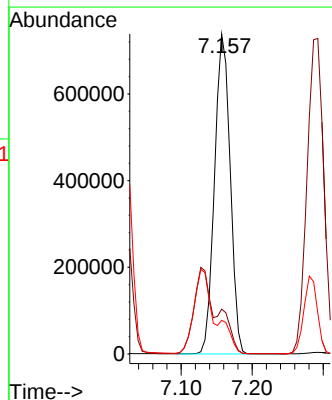
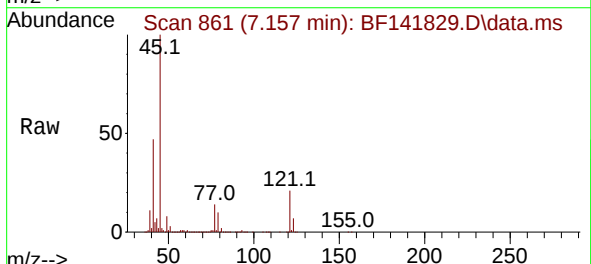
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

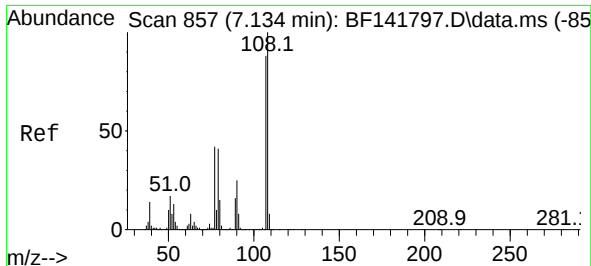
Tgt Ion: 79 Resp: 705441
Ion Ratio Lower Upper
79 100
108 75.9 60.2 90.2
77 62.2 50.2 75.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.377 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion: 45 Resp: 1123909
Ion Ratio Lower Upper
45 100
77 14.0 0.0 34.4
79 10.5 0.0 30.9

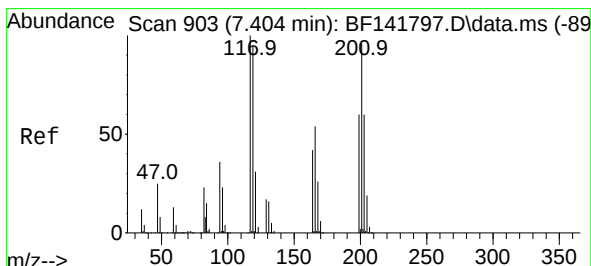
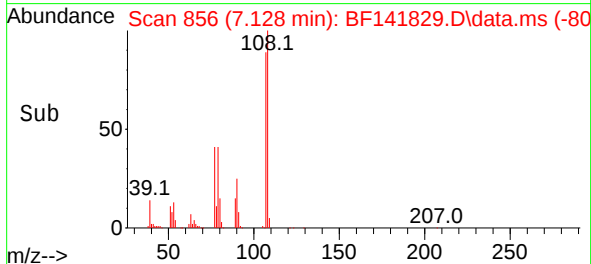
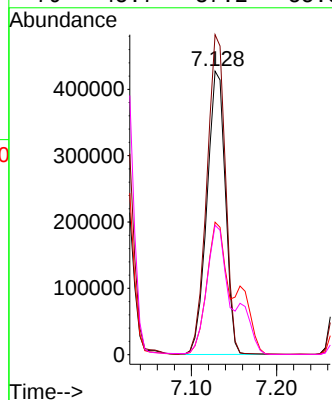
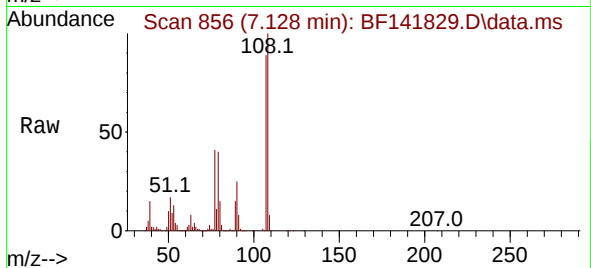




#17
2-Methylphenol
Concen: 42.631 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

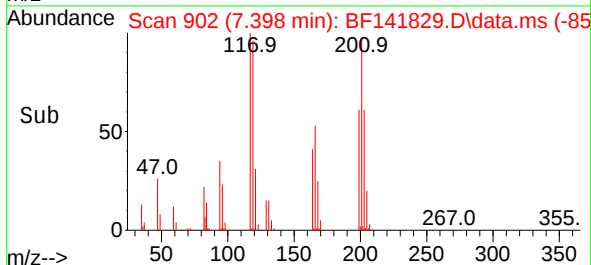
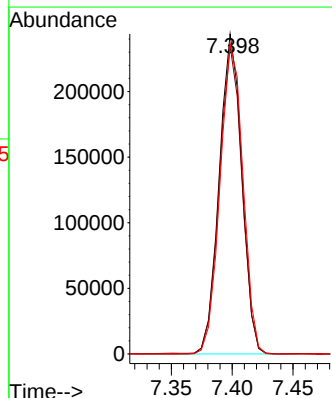
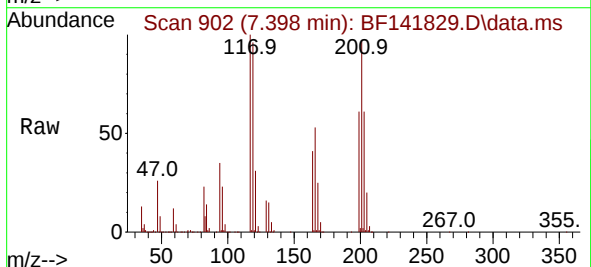
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

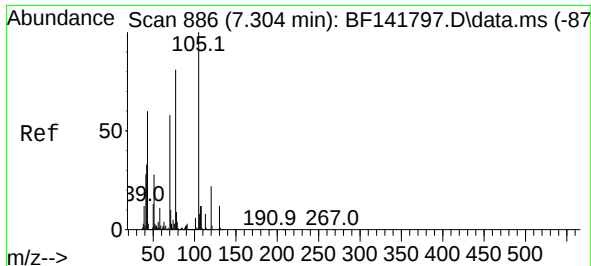
Tgt Ion:107 Resp: 642180
Ion Ratio Lower Upper
107 100
108 112.9 90.6 135.8
77 46.7 37.7 56.5
79 45.7 37.2 55.8



#18
Hexachloroethane
Concen: 42.661 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:117 Resp: 314428
Ion Ratio Lower Upper
117 100
119 96.3 75.8 113.8
201 96.8 76.7 115.1

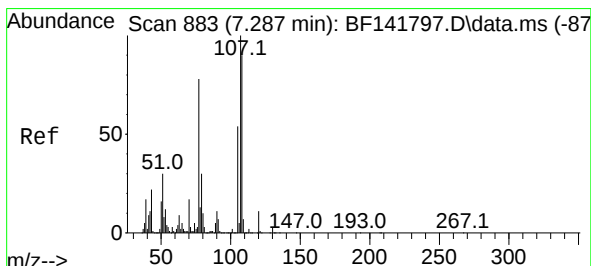
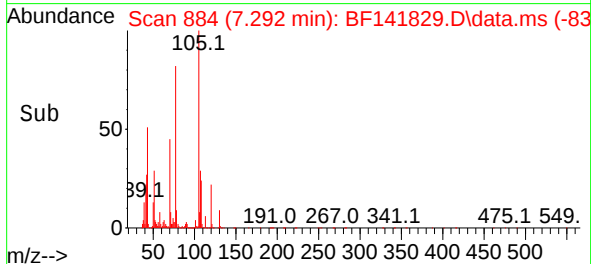
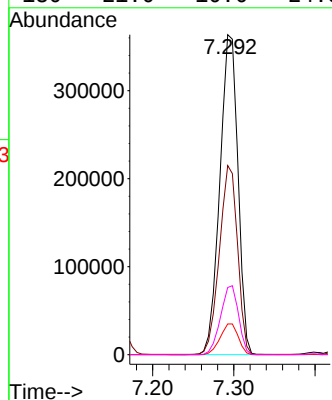
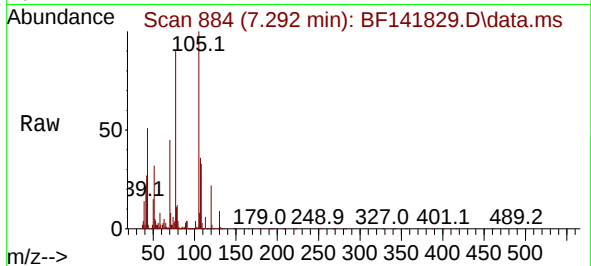




#19
n-Nitroso-di-n-propylamine
Concen: 39.117 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

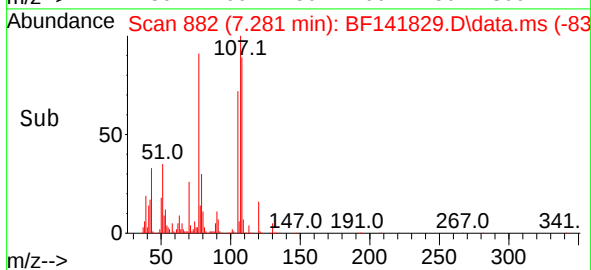
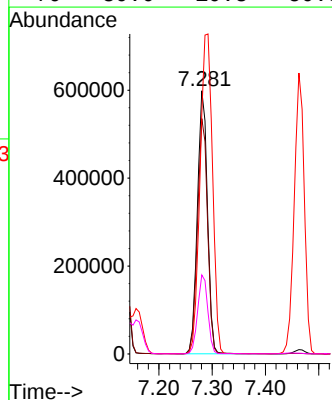
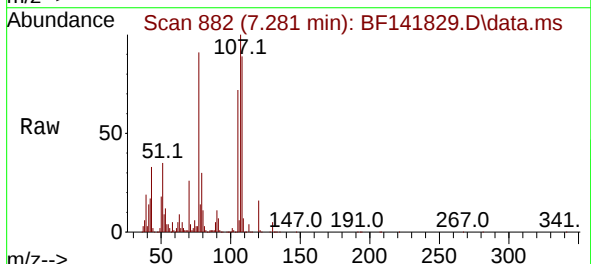
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

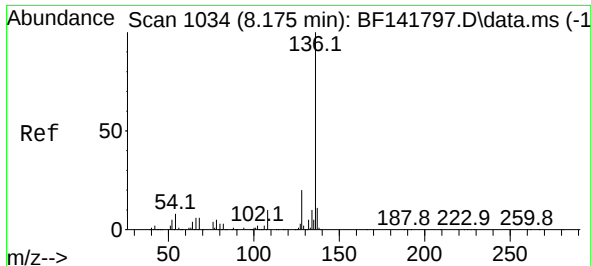
Tgt Ion: 70 Resp: 564629
Ion Ratio Lower Upper
70 100
42 59.1 45.4 68.0
101 9.6 7.8 11.8
130 21.0 16.6 24.8



#20
3+4-Methylphenols
Concen: 41.887 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:107 Resp: 785680
Ion Ratio Lower Upper
107 100
108 89.5 69.7 109.7
77 91.2 58.3 98.3
79 30.0 10.3 50.3

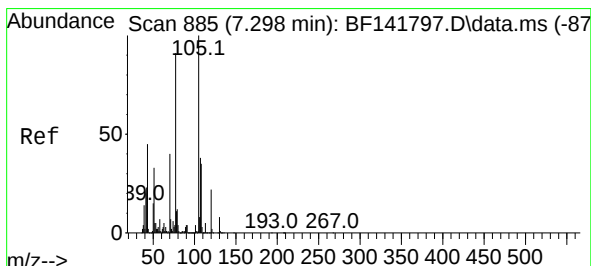
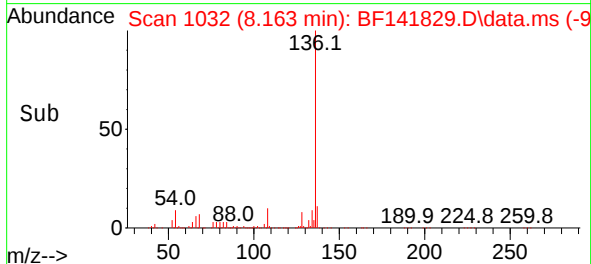
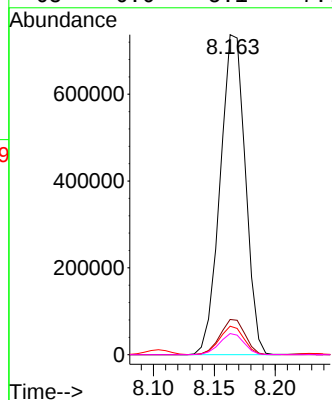
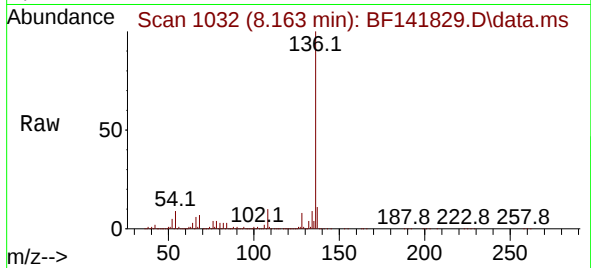




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

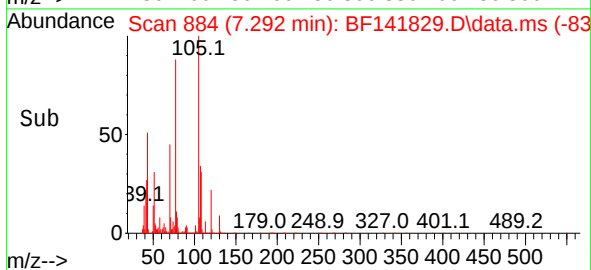
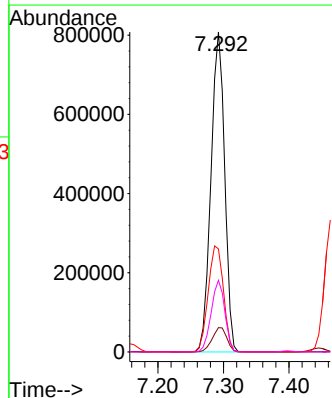
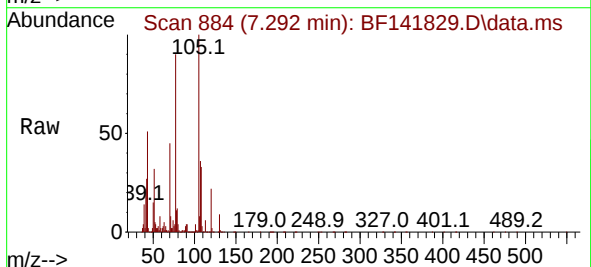
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

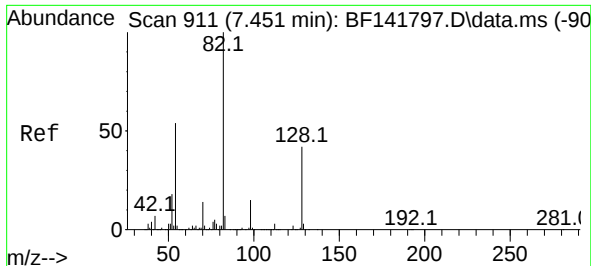
Tgt Ion:136 Resp: 1059981
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.9 6.9 10.3
68 6.6 5.1 7.7



#22
Acetophenone
Concen: 45.478 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:105 Resp: 1174055
Ion Ratio Lower Upper
105 100
71 7.6 5.4 8.0
51 32.2 26.1 39.1
120 22.4 17.5 26.3





#23

Nitrobenzene-d5

Concen: 93.926 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

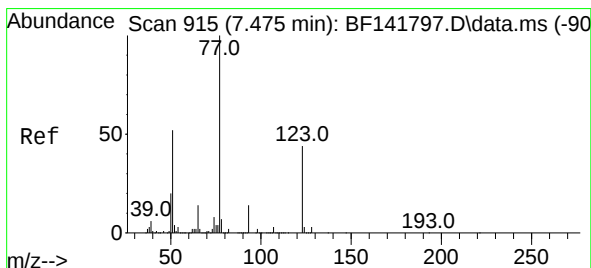
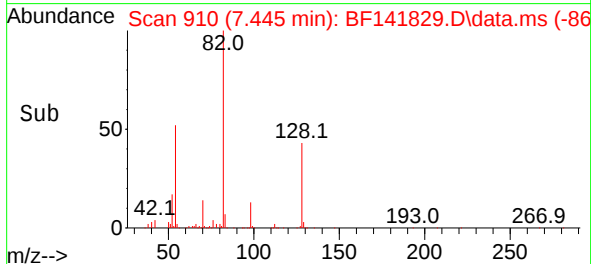
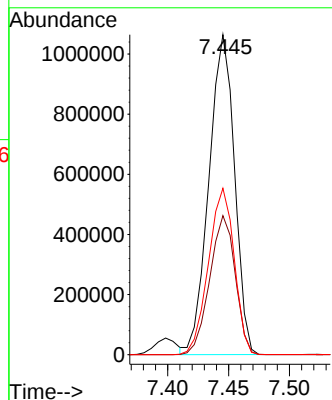
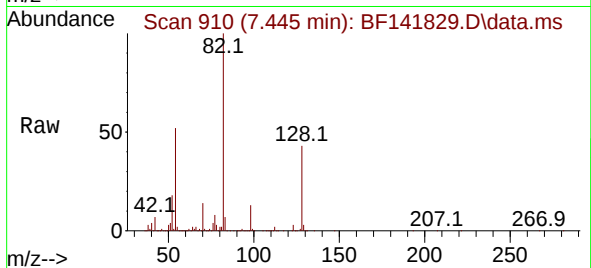
Tgt Ion: 82 Resp: 1557559

Ion Ratio Lower Upper

82 100

128 43.5 33.5 50.3

54 52.0 42.7 64.1



#24

Nitrobenzene

Concen: 47.297 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

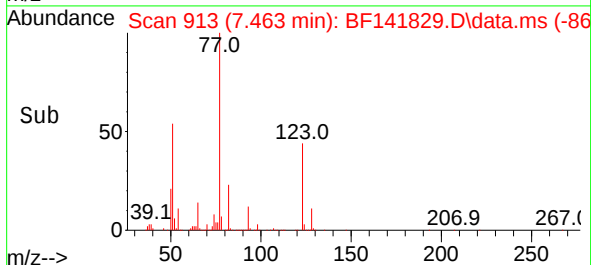
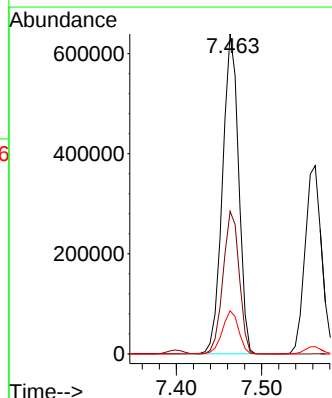
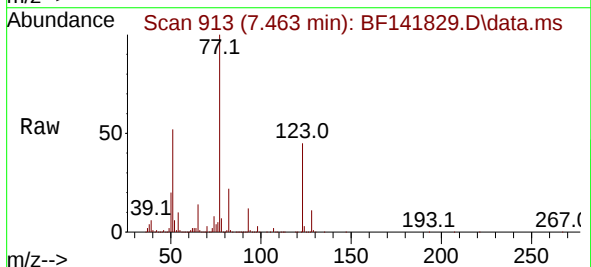
Tgt Ion: 77 Resp: 839900

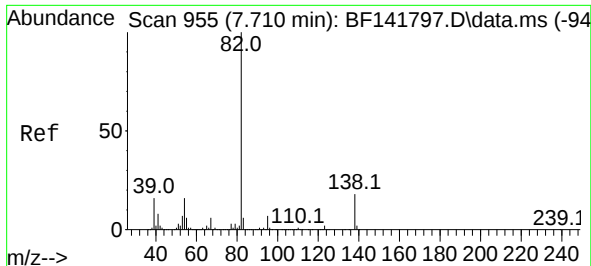
Ion Ratio Lower Upper

77 100

123 44.5 35.8 53.8

65 13.5 11.2 16.8

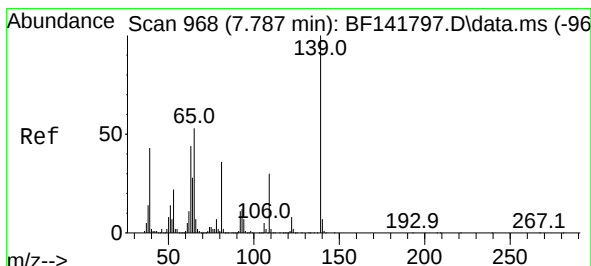
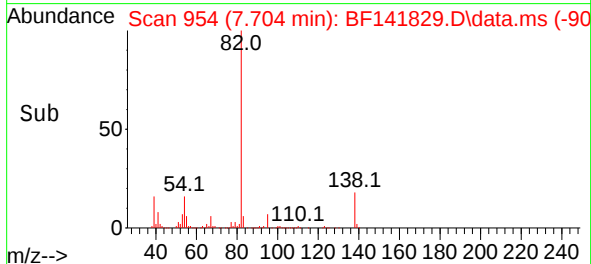
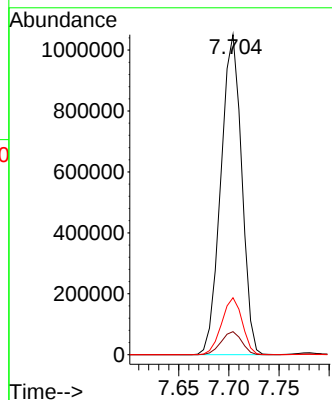
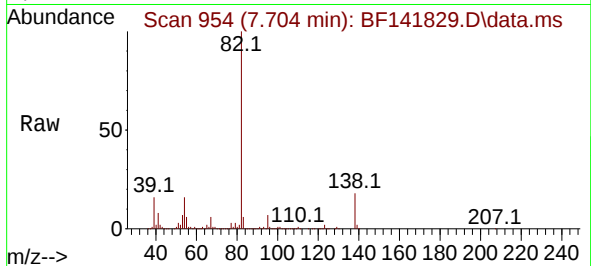




#25
Isophorone
Concen: 42.575 ng
RT: 7.704 min Scan# 954
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

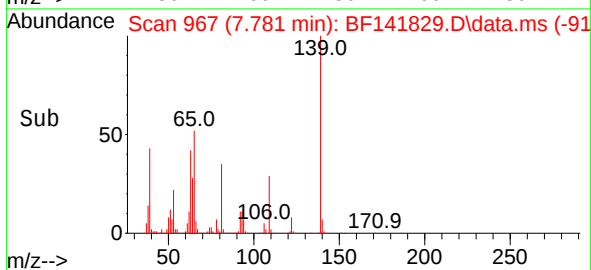
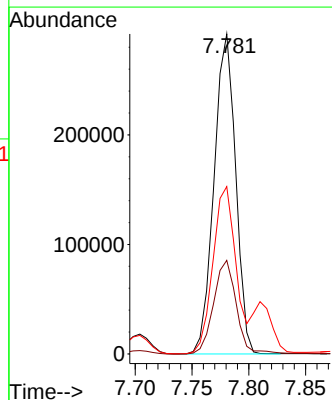
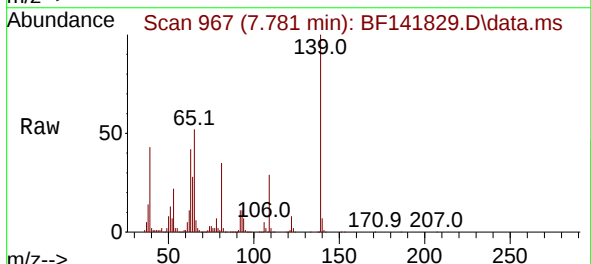
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

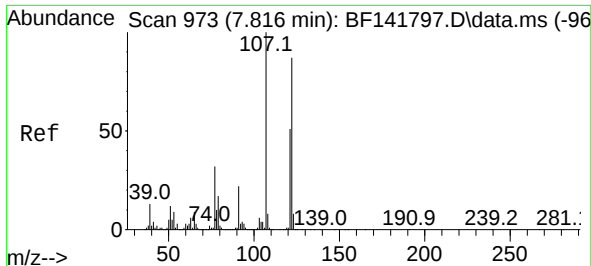
Tgt Ion: 82 Resp: 1516776
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 17.8 14.0 21.0



#26
2-Nitrophenol
Concen: 48.690 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:139 Resp: 386819
Ion Ratio Lower Upper
139 100
109 29.2 24.1 36.1
65 52.3 42.3 63.5

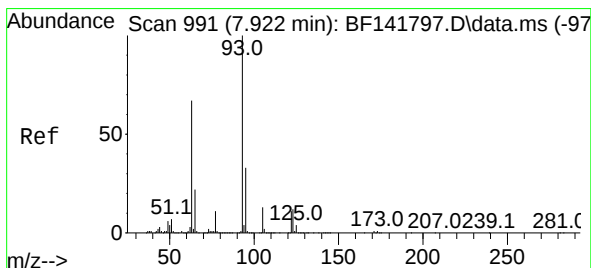
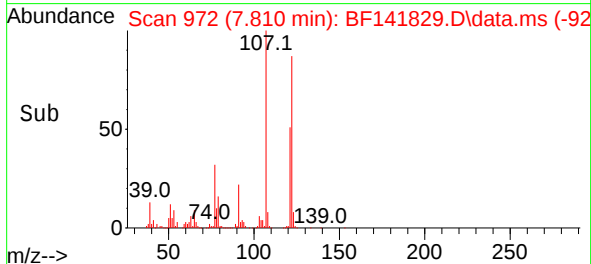
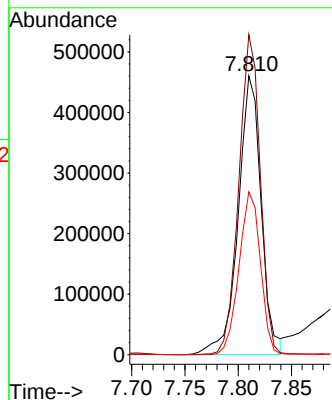
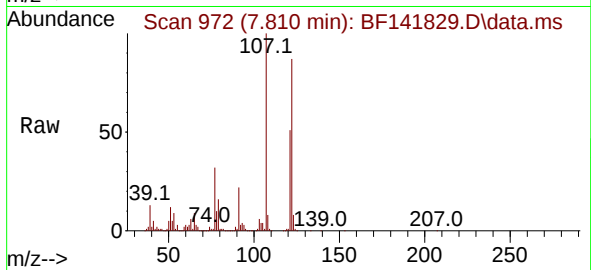




#27
2,4-Dimethylphenol
Concen: 52.766 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

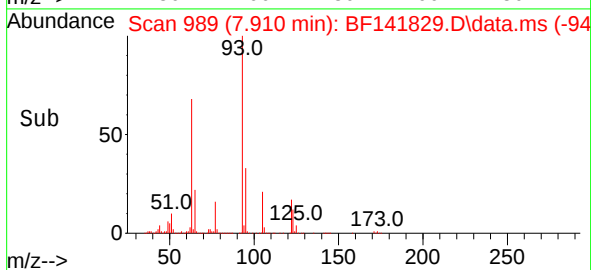
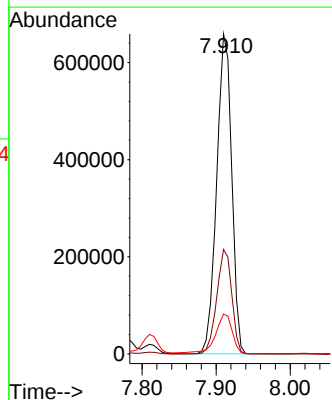
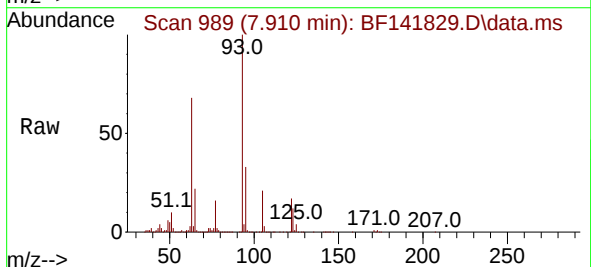
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

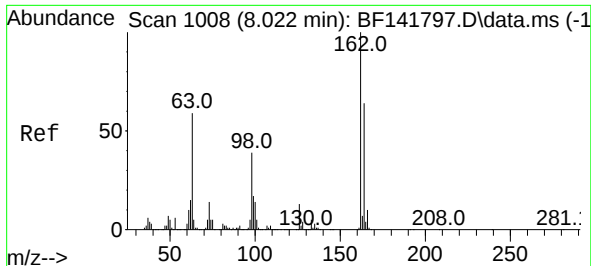
Tgt Ion:122 Resp: 691017
Ion Ratio Lower Upper
122 100
107 114.7 92.5 138.7
121 58.4 47.1 70.7



#28
bis(2-Chloroethoxy)methane
Concen: 40.748 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion: 93 Resp: 926033
Ion Ratio Lower Upper
93 100
95 32.7 26.5 39.7
123 12.5 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 42.494 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

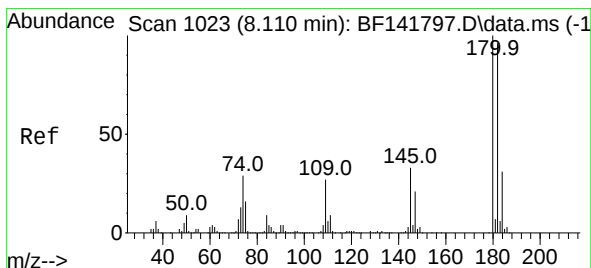
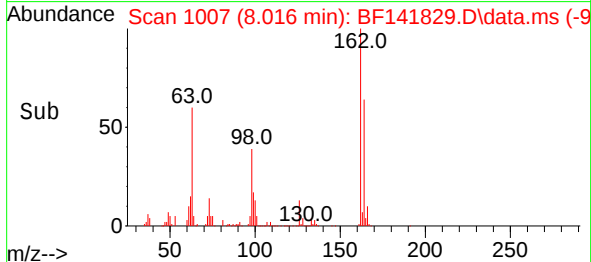
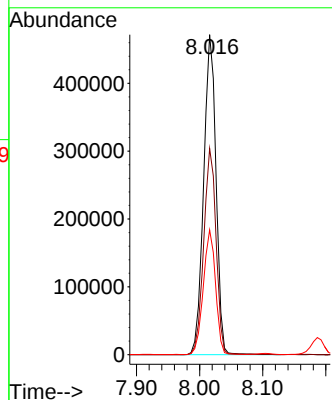
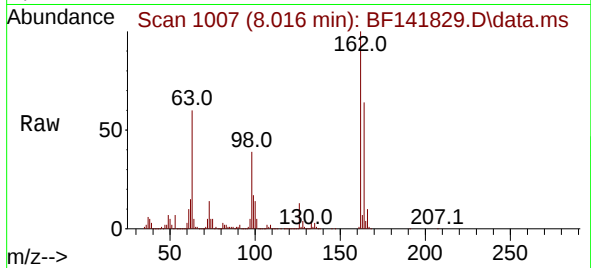
Tgt Ion:162 Resp: 641999

Ion Ratio Lower Upper

162 100

164 64.4 44.3 84.3

98 39.0 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 42.156 ng

RT: 8.104 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

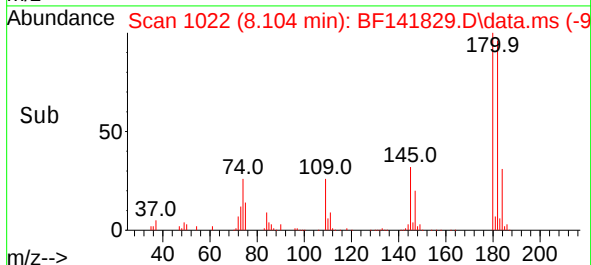
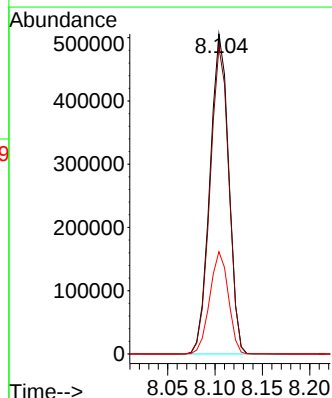
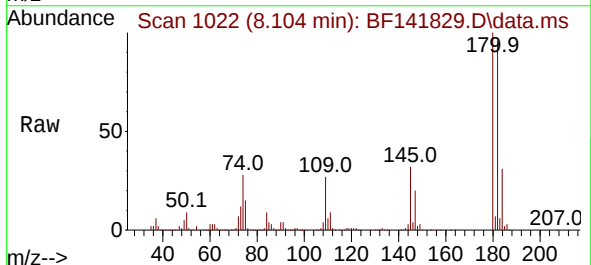
Tgt Ion:180 Resp: 697882

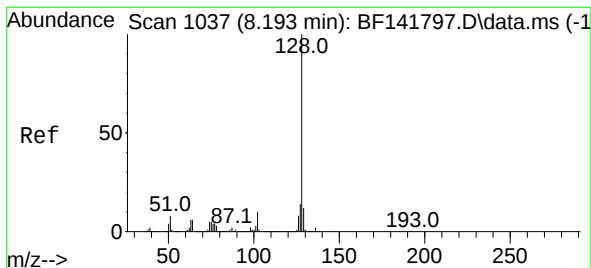
Ion Ratio Lower Upper

180 100

182 95.9 76.8 115.2

145 32.0 26.4 39.6

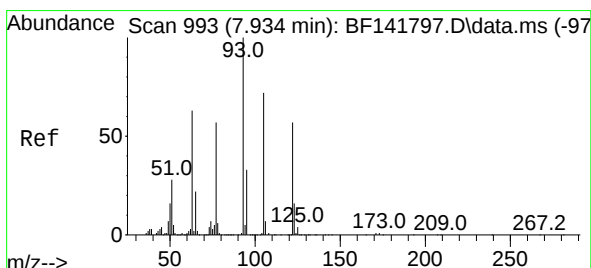
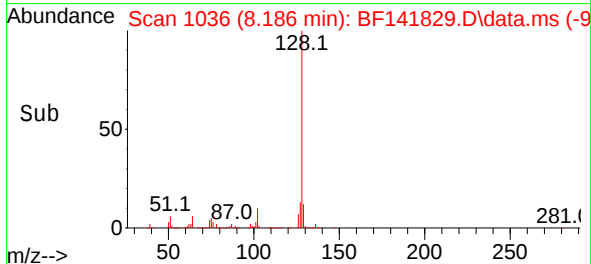
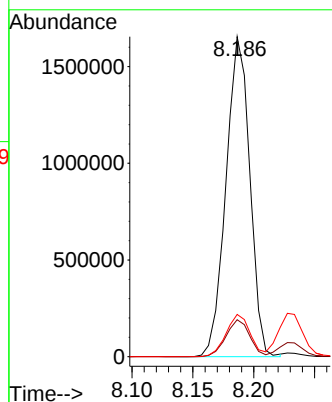
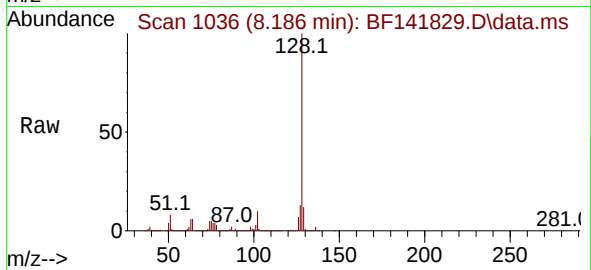




#31
Naphthalene
Concen: 41.460 ng
RT: 8.186 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

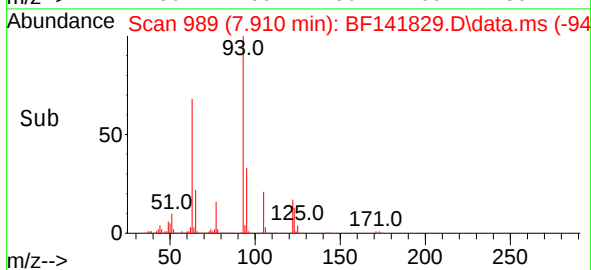
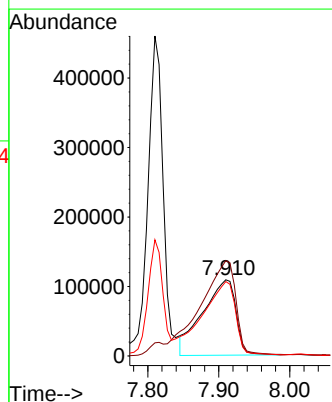
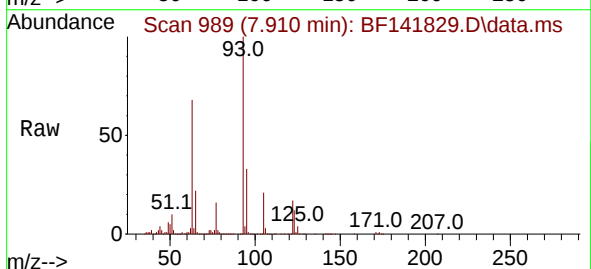
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

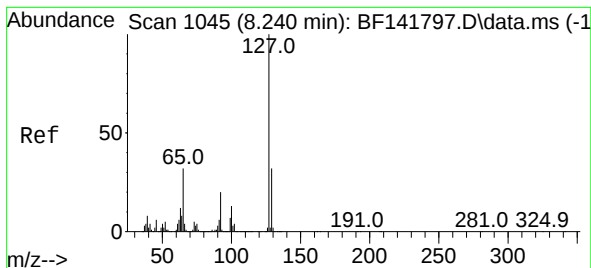
Tgt Ion:128 Resp: 2258661
Ion Ratio Lower Upper
128 100
129 11.5 9.2 13.8
127 13.2 11.0 16.4



#32
Benzoic acid
Concen: 34.880 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.024 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:122 Resp: 353889
Ion Ratio Lower Upper
122 100
105 124.9 105.8 145.8
77 97.5 79.9 119.9





#33

4-Chloroaniline

Concen: 16.058 ng

RT: 8.228 min Scan# 1043

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tgt Ion:127 Resp: 320770

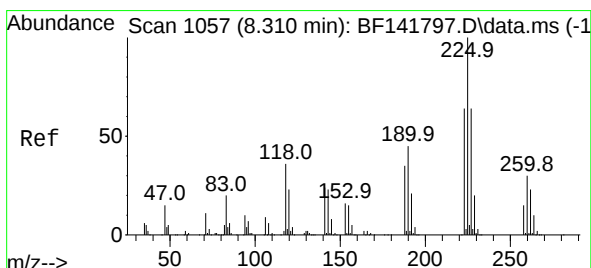
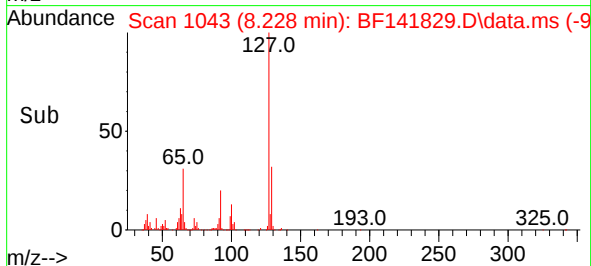
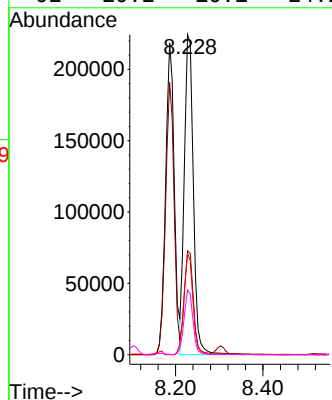
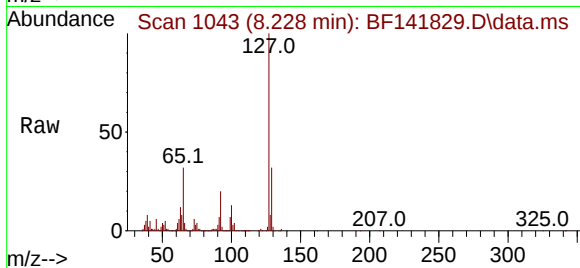
Ion Ratio Lower Upper

127 100

129 32.4 26.1 39.1

65 31.8 25.7 38.5

92 20.2 16.1 24.1



#34

Hexachlorobutadiene

Concen: 41.987 ng

RT: 8.304 min Scan# 1056

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

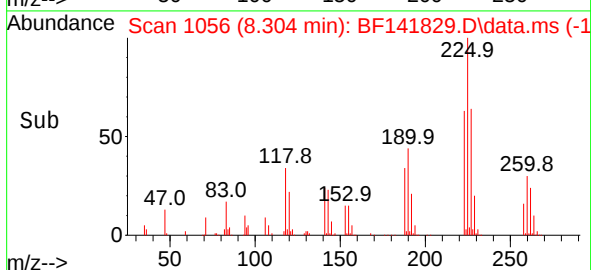
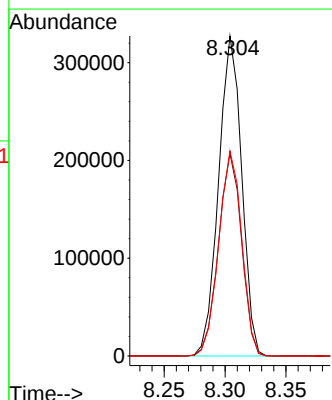
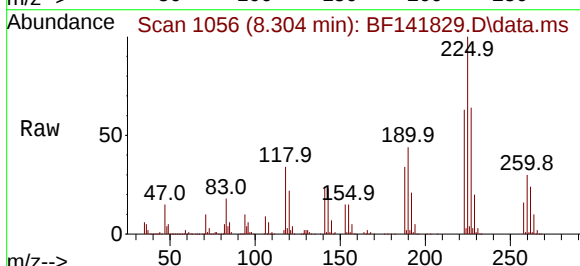
Tgt Ion:225 Resp: 431942

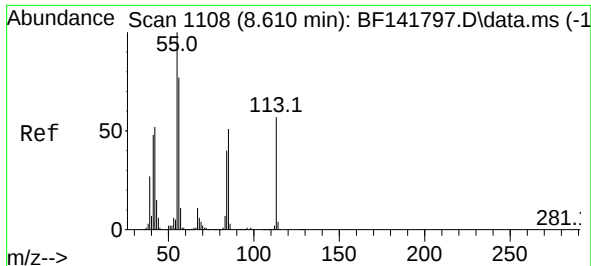
Ion Ratio Lower Upper

225 100

223 63.2 51.4 77.2

227 64.1 51.6 77.4





#35

Caprolactam

Concen: 29.063 ng

RT: 8.592 min Scan# 1105

Delta R.T. -0.018 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

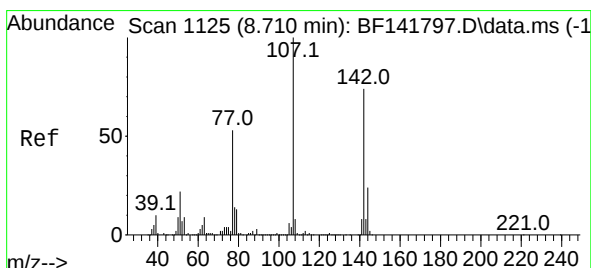
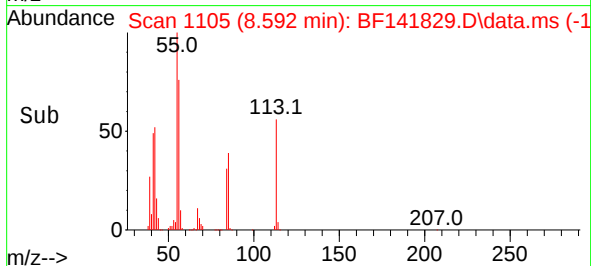
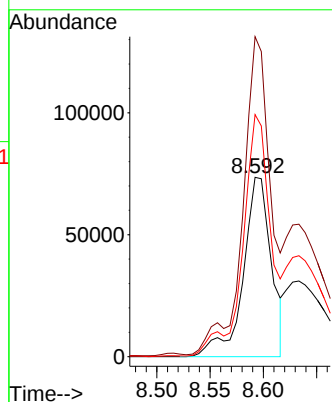
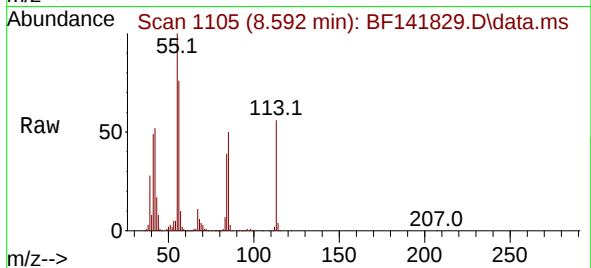
Tgt Ion:113 Resp: 135075

Ion Ratio Lower Upper

113 100

55 178.5 155.6 195.6

56 135.0 114.6 154.6



#36

4-Chloro-3-methylphenol

Concen: 39.657 ng

RT: 8.710 min Scan# 1125

Delta R.T. -0.000 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

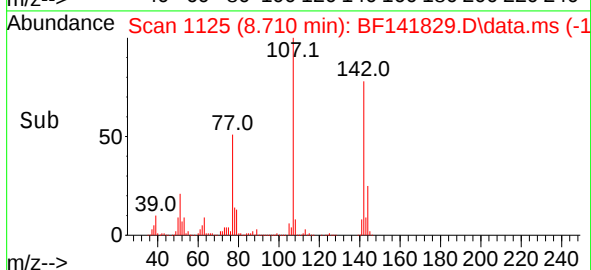
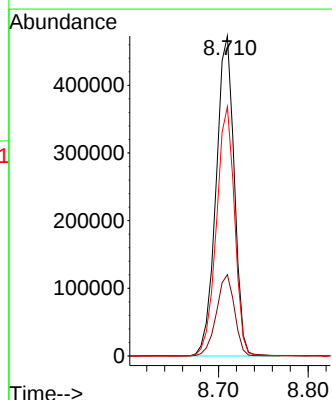
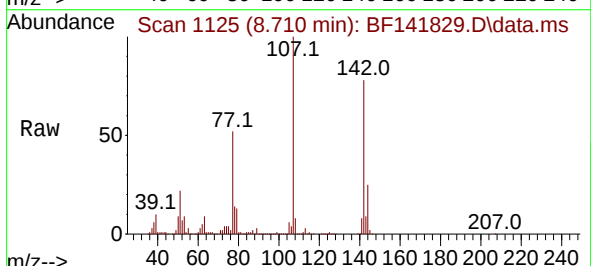
Tgt Ion:107 Resp: 665556

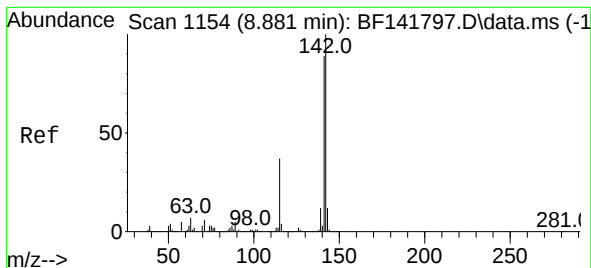
Ion Ratio Lower Upper

107 100

144 25.4 19.4 29.0

142 77.9 59.4 89.0

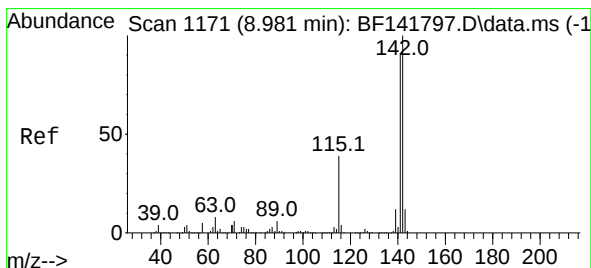
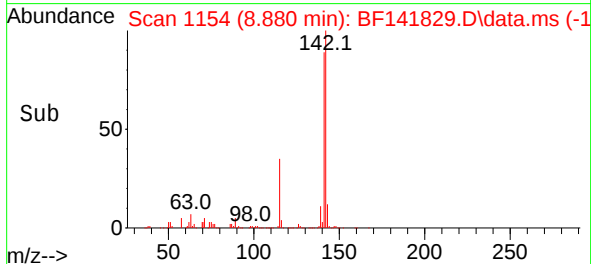
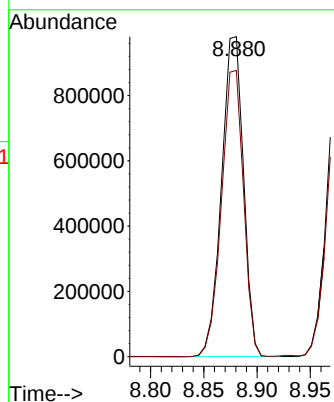
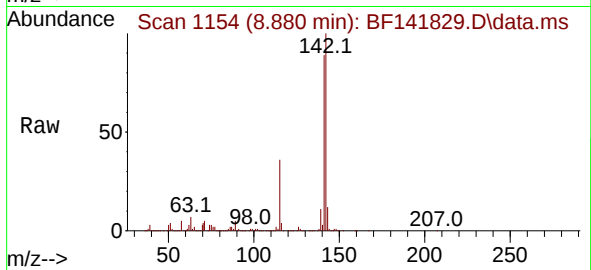




#37
2-Methylnaphthalene
Concen: 39.323 ng
RT: 8.880 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

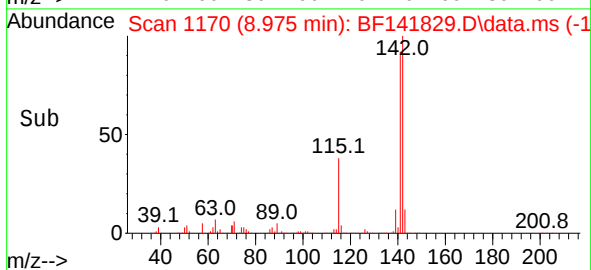
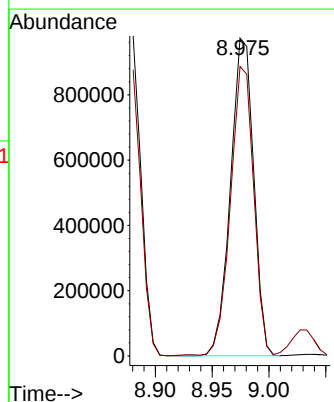
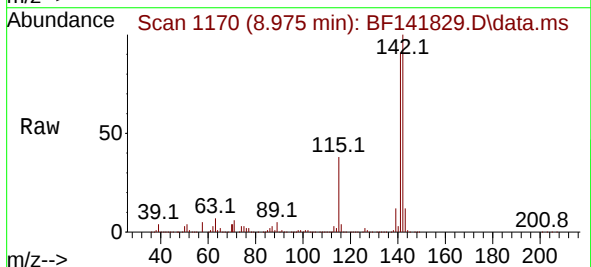
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

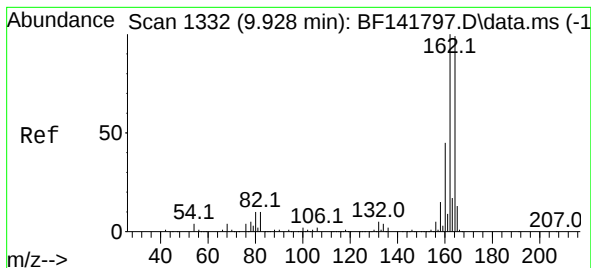
Tgt Ion:142 Resp: 1405135
Ion Ratio Lower Upper
142 100
141 89.4 71.1 106.7



#38
1-Methylnaphthalene
Concen: 40.192 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:142 Resp: 1378066
Ion Ratio Lower Upper
142 100
141 91.1 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

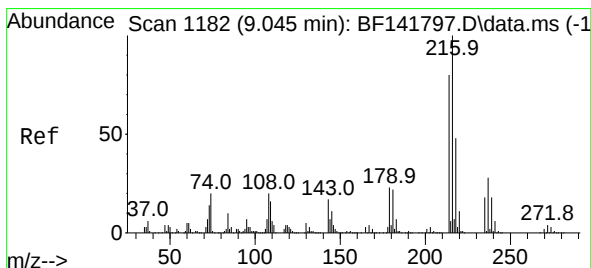
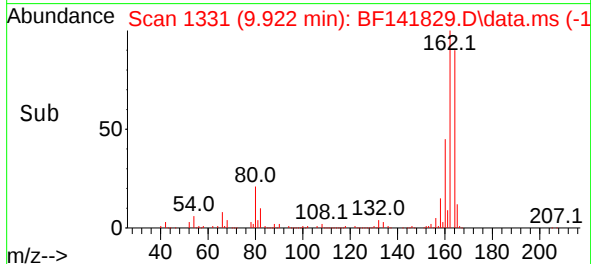
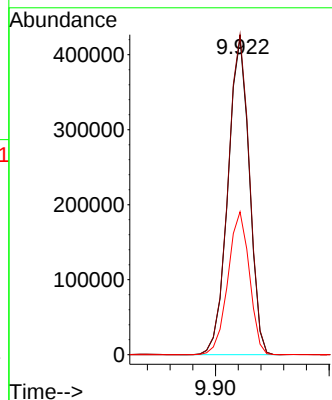
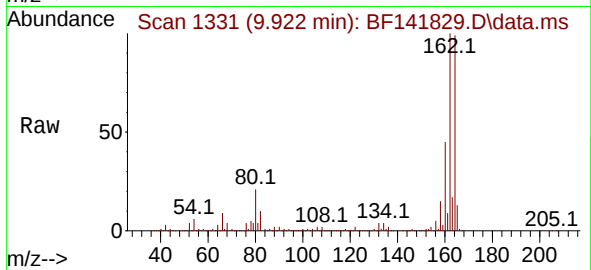
Tgt Ion:164 Resp: 550526

Ion Ratio Lower Upper

164 100

162 101.2 80.6 120.8

160 45.2 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.855 ng

RT: 9.045 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Tgt Ion:216 Resp: 744993

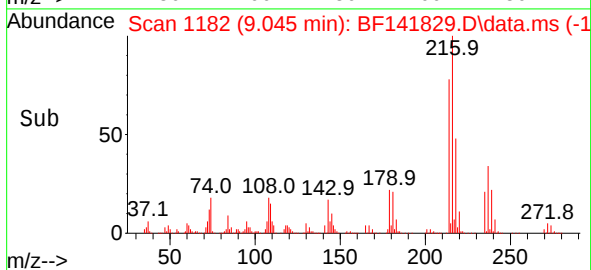
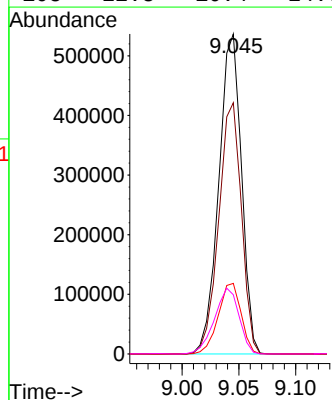
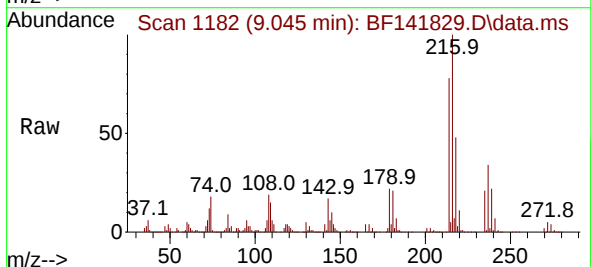
Ion Ratio Lower Upper

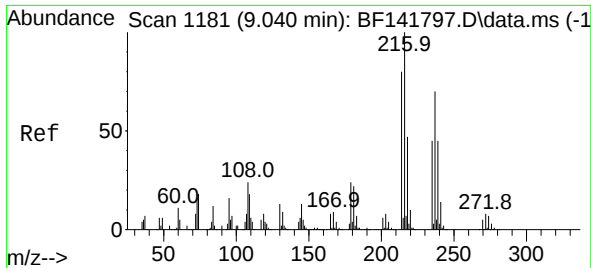
216 100

214 78.4 63.5 95.3

179 22.3 18.1 27.1

108 22.3 16.4 24.6

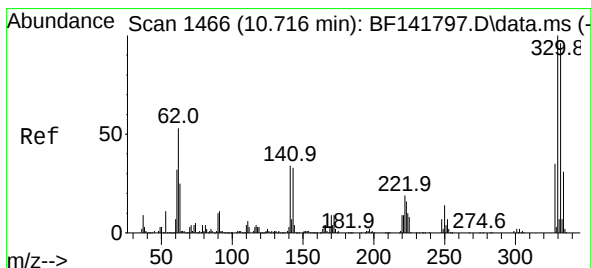
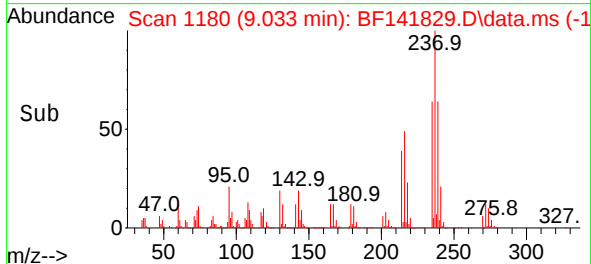
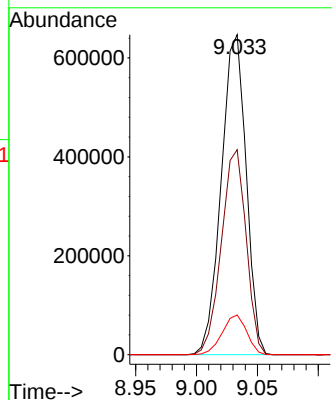
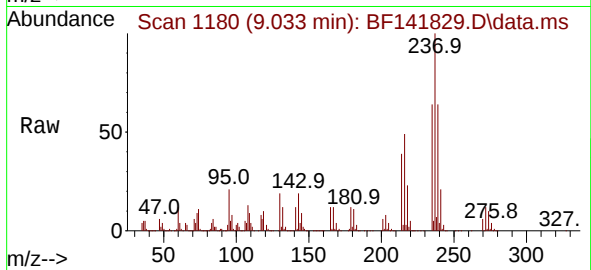




#41
Hexachlorocyclopentadiene
Concen: 138.779 ng
RT: 9.033 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

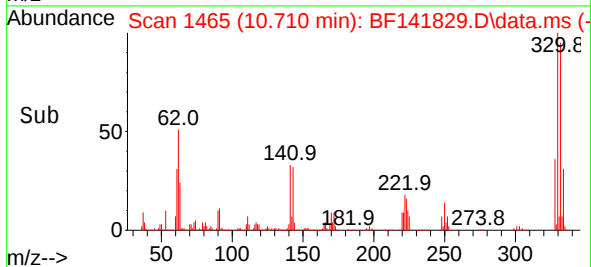
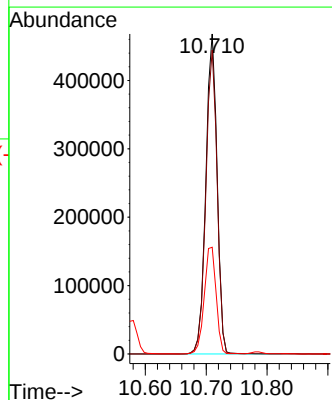
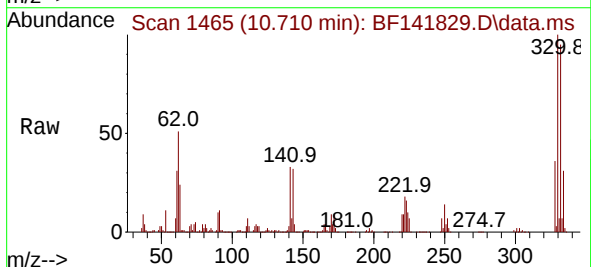
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

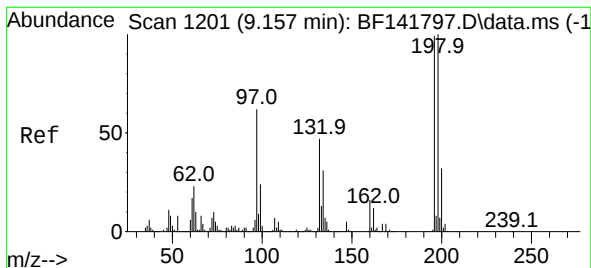
Tgt Ion:237 Resp: 920860
Ion Ratio Lower Upper
237 100
235 64.1 43.3 83.3
272 12.4 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 116.481 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:330 Resp: 602027
Ion Ratio Lower Upper
330 100
332 95.3 76.6 115.0
141 35.3 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 44.658 ng

RT: 9.151 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

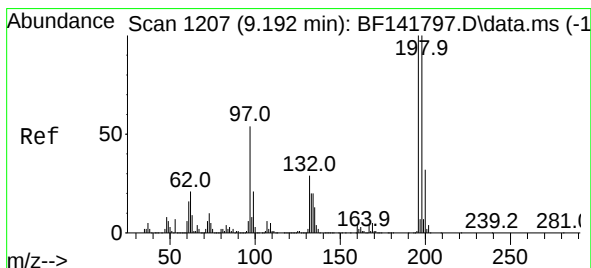
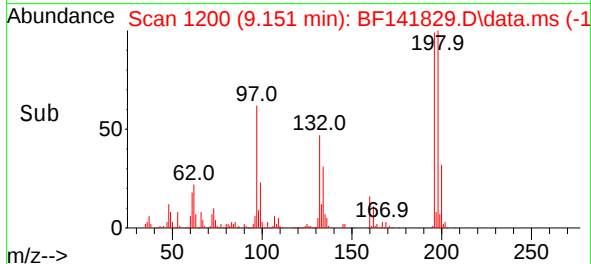
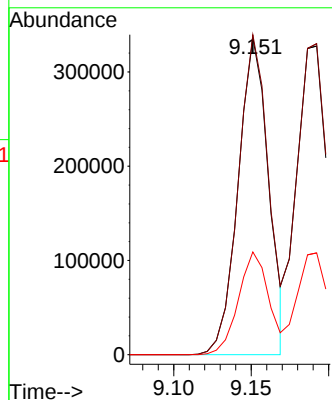
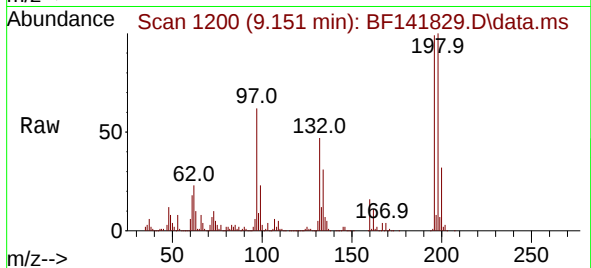
Tgt Ion:196 Resp: 458670

Ion Ratio Lower Upper

196 100

198 100.9 80.4 120.6

200 32.4 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 44.517 ng

RT: 9.192 min Scan# 1207

Delta R.T. -0.000 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Tgt Ion:196 Resp: 452751

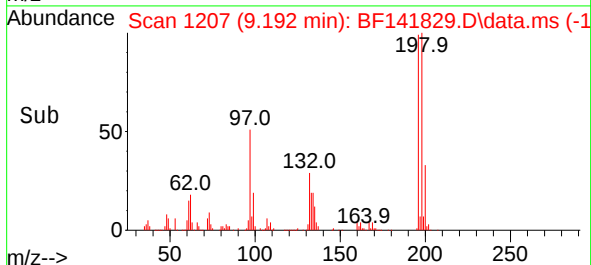
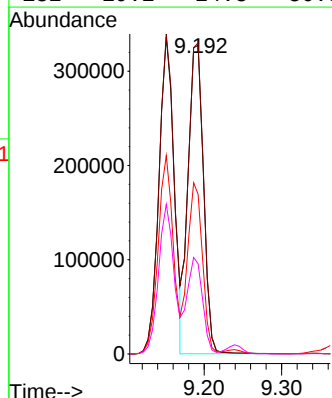
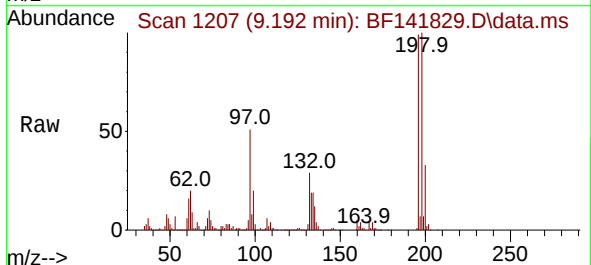
Ion Ratio Lower Upper

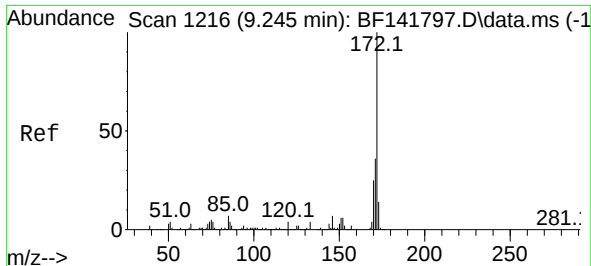
196 100

198 100.8 79.7 119.5

97 51.7 44.2 66.2

132 29.2 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 78.155 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

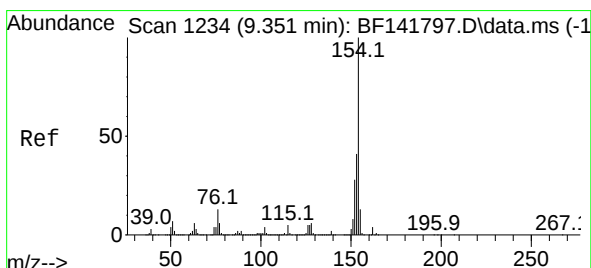
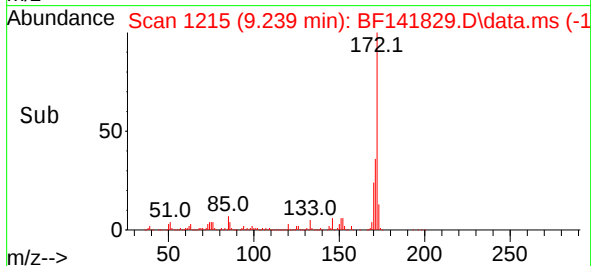
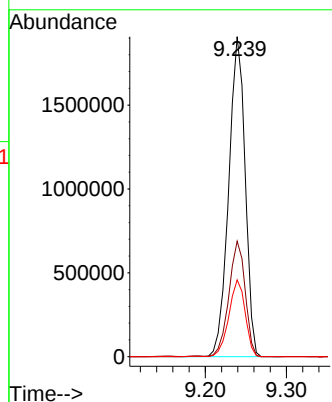
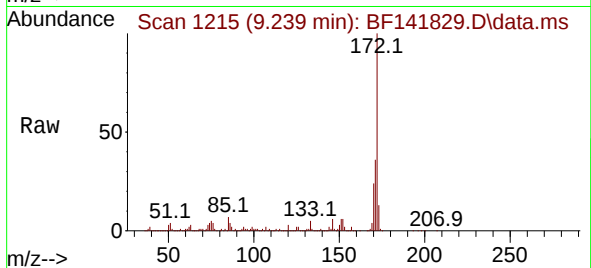
Tgt Ion:172 Resp: 2683353

Ion Ratio Lower Upper

172 100

171 36.1 29.2 43.8

170 24.0 19.7 29.5



#46

1,1'-Biphenyl

Concen: 46.960 ng

RT: 9.339 min Scan# 1232

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

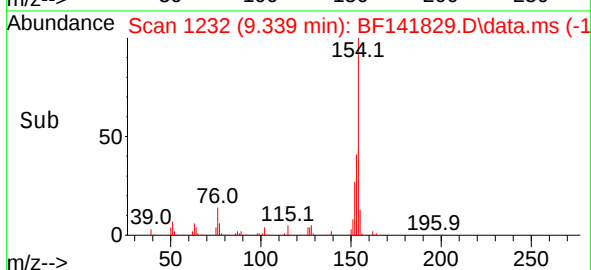
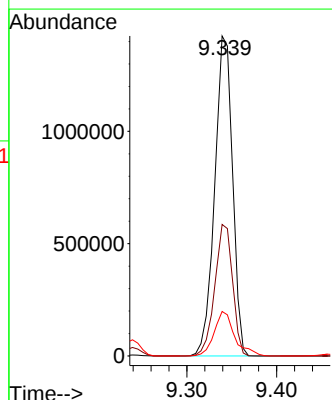
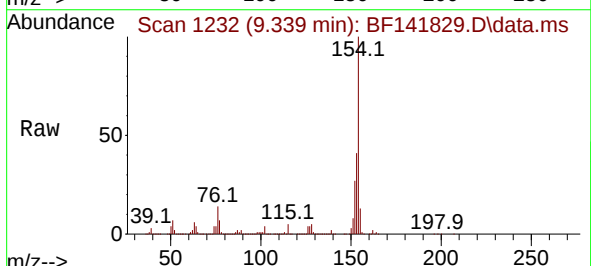
Tgt Ion:154 Resp: 1967816

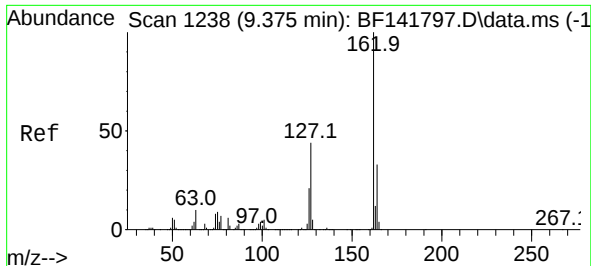
Ion Ratio Lower Upper

154 100

153 41.1 21.4 61.4

76 13.9 0.0 33.4

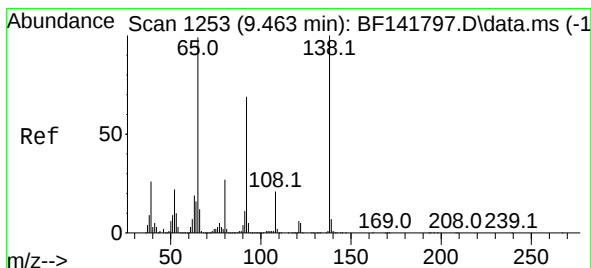
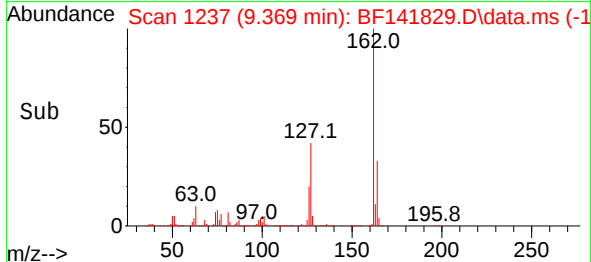
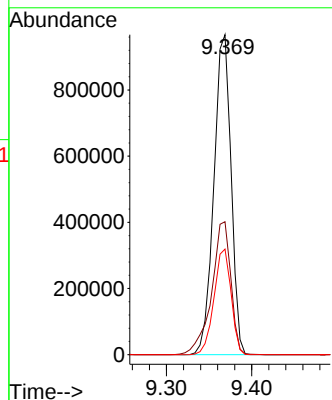
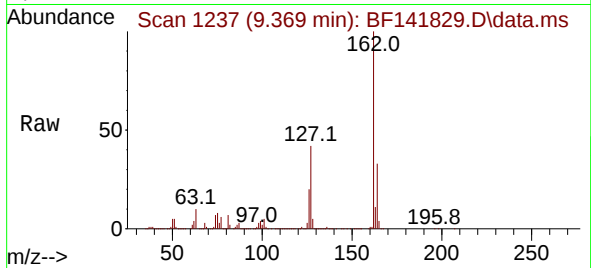




#47
2-Chloronaphthalene
Concen: 43.781 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

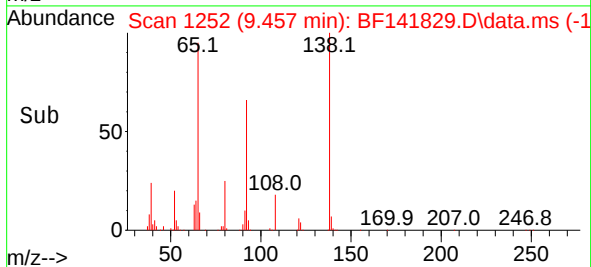
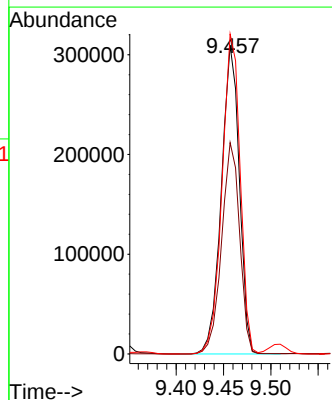
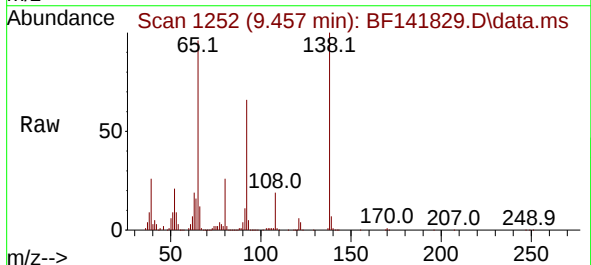
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

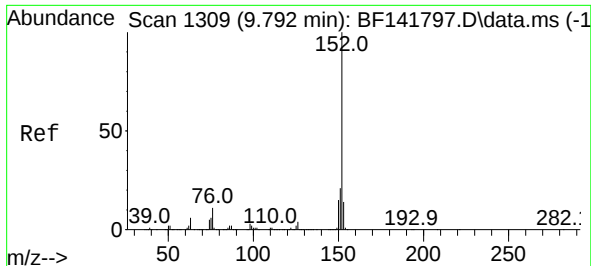
Tgt Ion:162 Resp: 1354050
Ion Ratio Lower Upper
162 100
127 41.6 35.0 52.6
164 33.0 26.6 40.0



#48
2-Nitroaniline
Concen: 48.351 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion: 65 Resp: 409629
Ion Ratio Lower Upper
65 100
92 68.5 55.7 83.5
138 103.7 80.6 121.0





#49

Acenaphthylene

Concen: 44.798 ng

RT: 9.780 min Scan# 1309

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

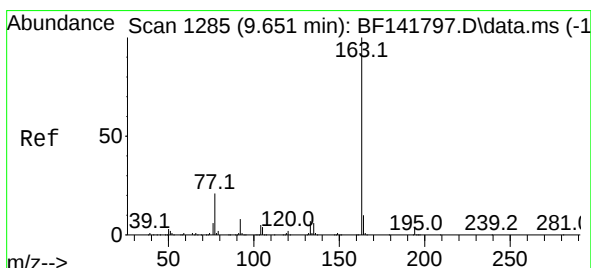
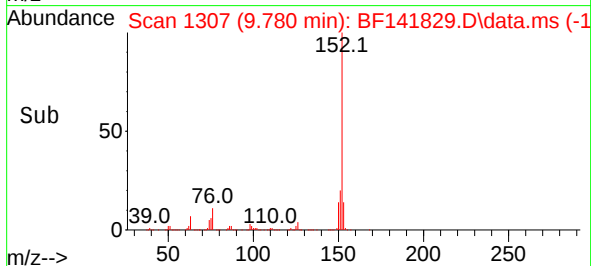
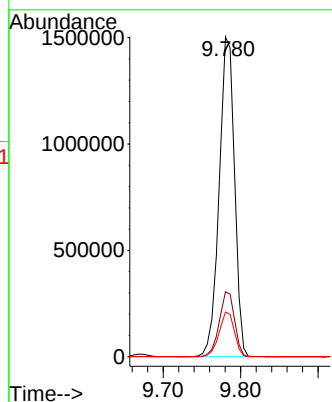
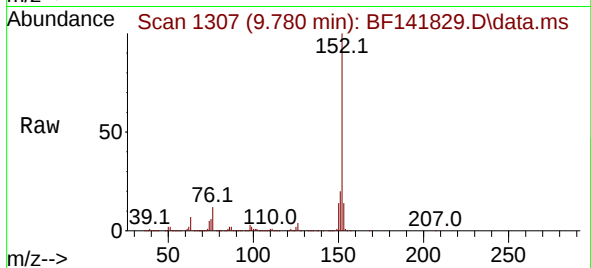
Tgt Ion:152 Resp: 2077335

Ion Ratio Lower Upper

152 100

151 20.3 16.6 24.8

153 14.0 11.2 16.8



#50

Dimethylphthalate

Concen: 41.163 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

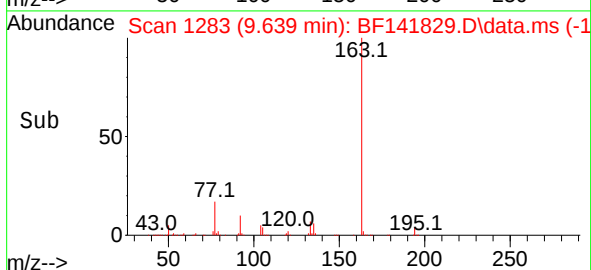
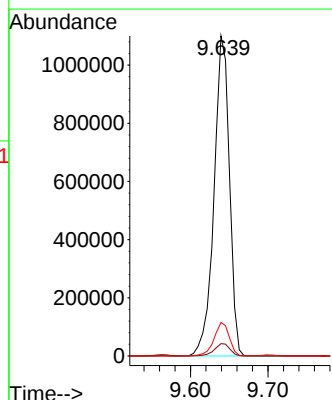
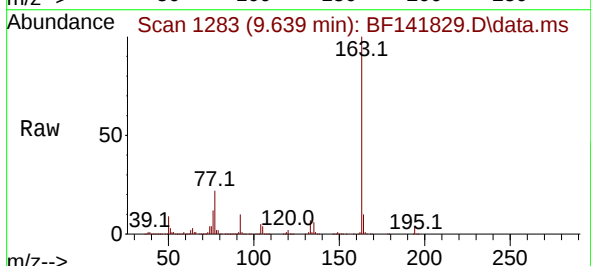
Tgt Ion:163 Resp: 1517586

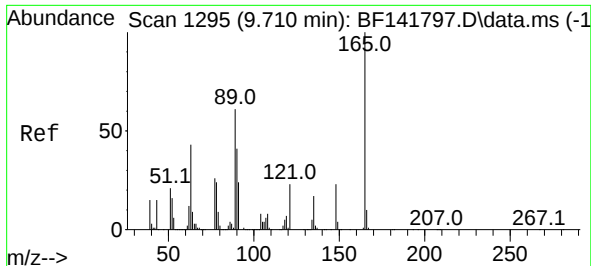
Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

164 10.5 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 46.470 ng

RT: 9.698 min Scan# 1295

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

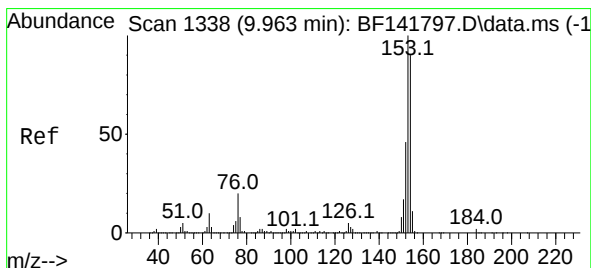
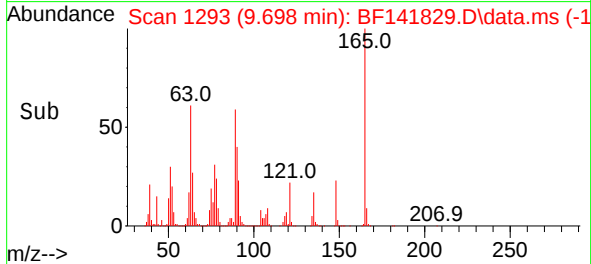
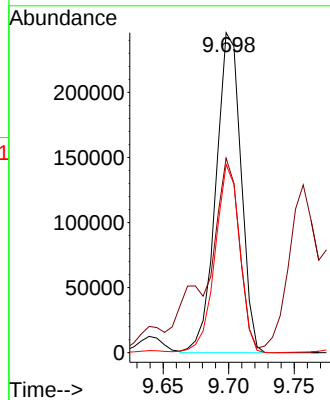
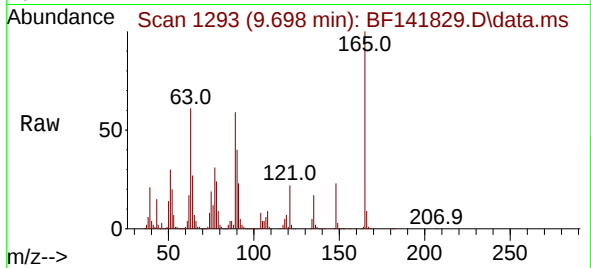
Tgt Ion:165 Resp: 327070

Ion Ratio Lower Upper

165 100

63 60.8 49.5 74.3

89 58.8 49.0 73.4



#52

Acenaphthene

Concen: 45.859 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

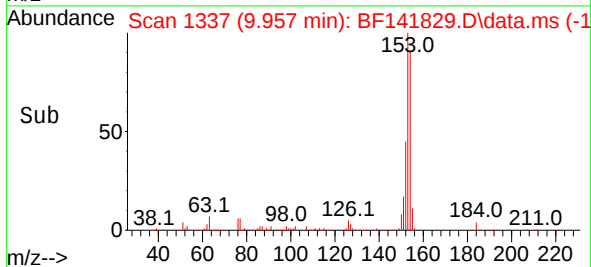
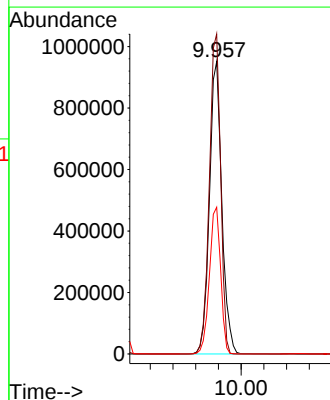
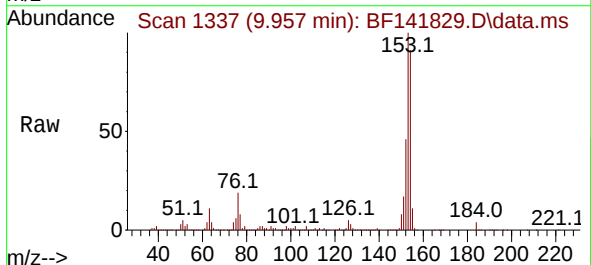
Tgt Ion:154 Resp: 1434885

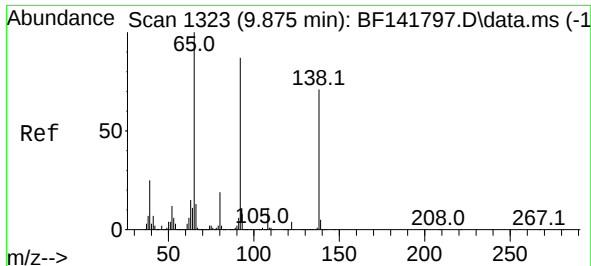
Ion Ratio Lower Upper

154 100

153 109.4 88.7 133.1

152 50.2 40.9 61.3





#53

3-Nitroaniline

Concen: 28.781 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

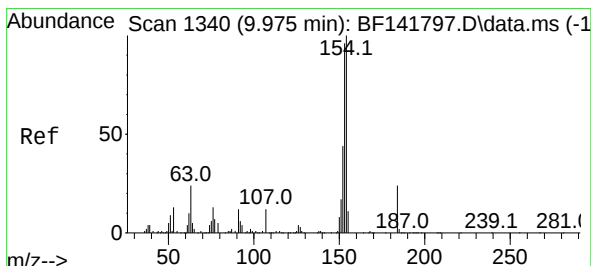
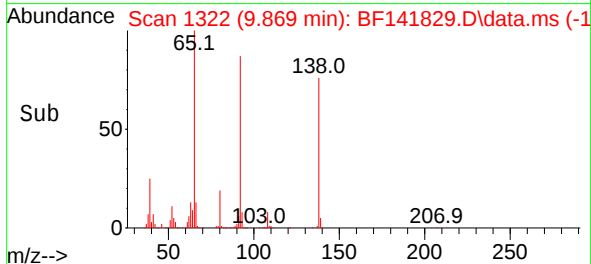
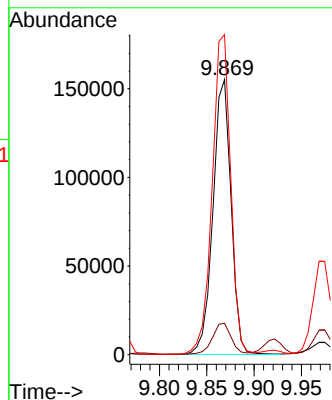
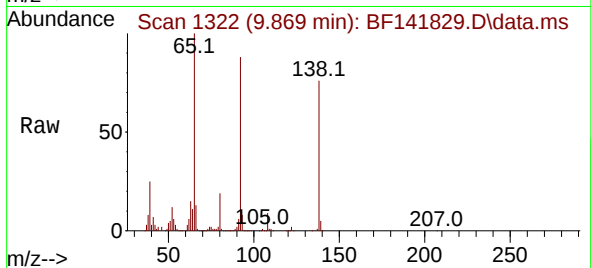
Tgt Ion:138 Resp: 206709

Ion Ratio Lower Upper

138 100

108 11.4 12.7 19.1#

92 116.3 97.9 146.9



#54

2,4-Dinitrophenol

Concen: 81.242 ng

RT: 9.975 min Scan# 1340

Delta R.T. -0.000 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

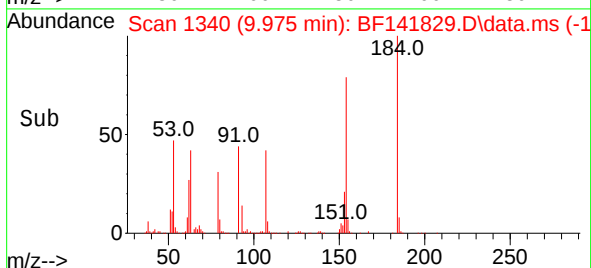
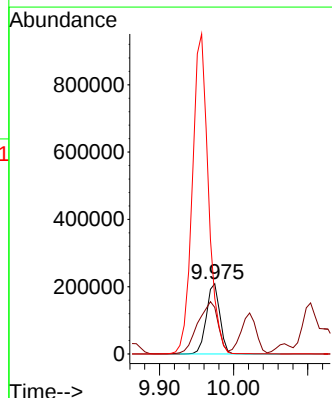
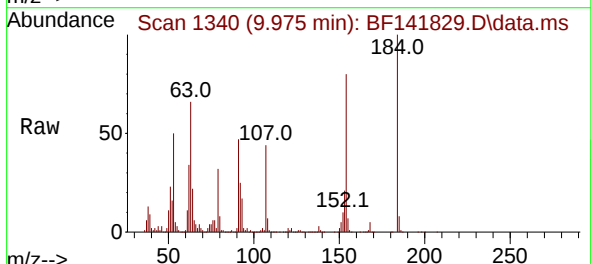
Tgt Ion:184 Resp: 264535

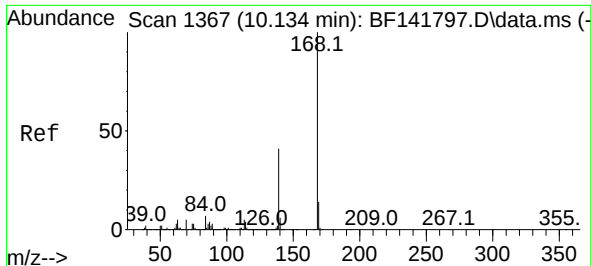
Ion Ratio Lower Upper

184 100

63 66.3 79.0 118.6#

154 79.6 335.8 503.8#

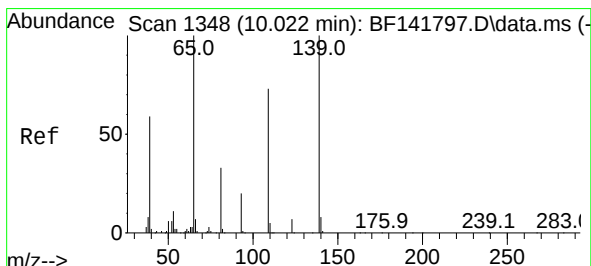
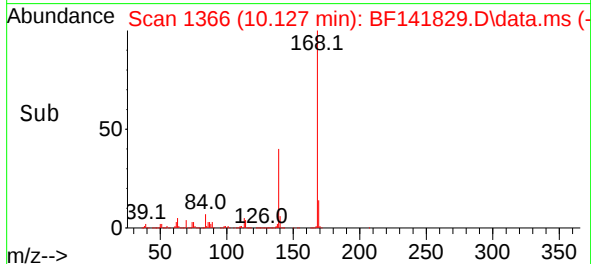
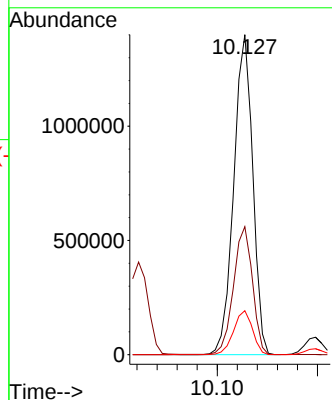
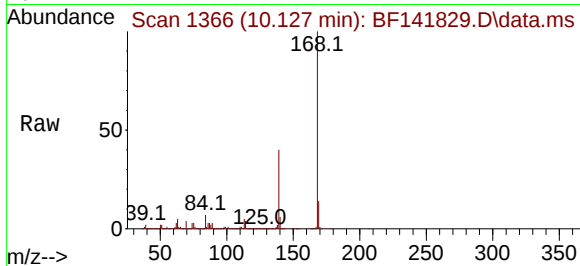




#55
Dibenzenofuran
Concen: 40.401 ng
RT: 10.127 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

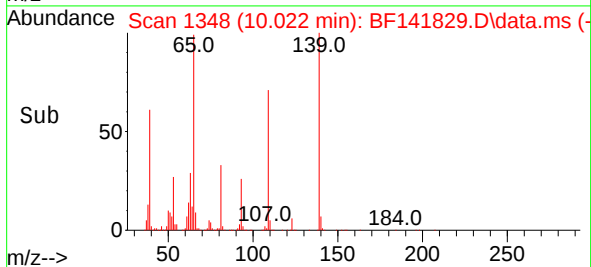
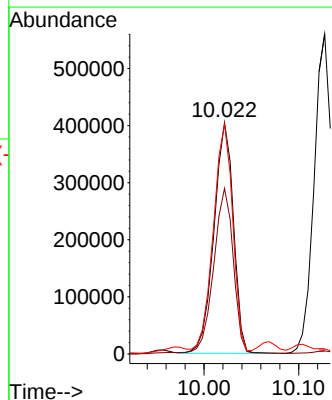
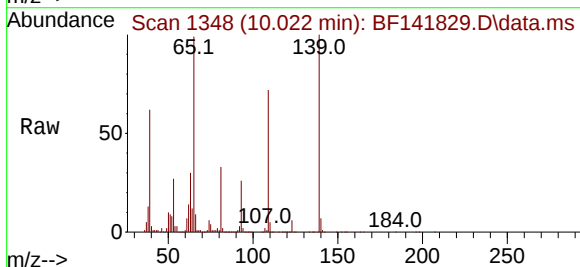
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

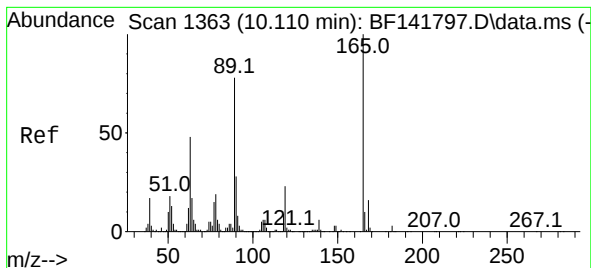
Tgt Ion:168 Resp: 1839908
Ion Ratio Lower Upper
168 100
139 40.0 32.9 49.3
169 13.7 11.1 16.7



#56
4-Nitrophenol
Concen: 106.331 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:139 Resp: 578991
Ion Ratio Lower Upper
139 100
109 71.5 53.4 93.4
65 99.3 82.1 122.1





#57

2,4-Dinitrotoluene

Concen: 50.178 ng

RT: 10.104 min Scan# 1418

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tgt Ion:165 Resp: 433753

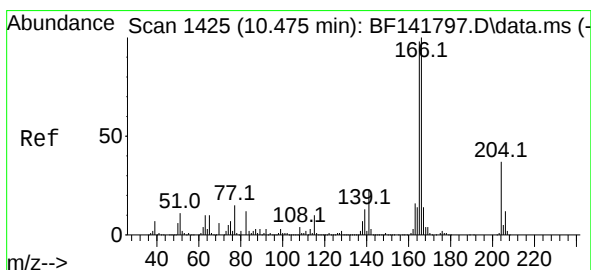
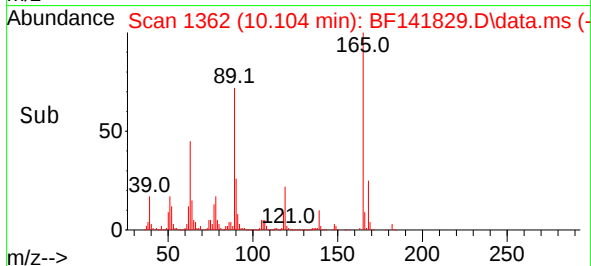
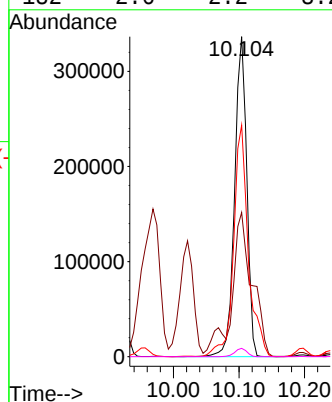
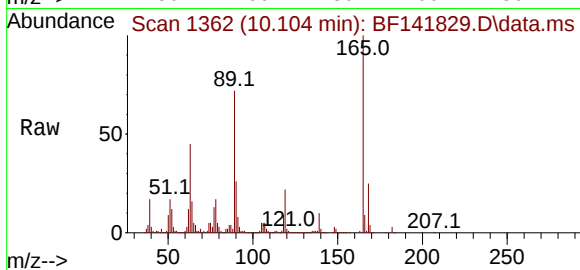
Ion Ratio Lower Upper

165 100

63 45.0 38.8 58.2

89 72.3 62.6 94.0

182 2.6 2.2 3.2



#58

Fluorene

Concen: 40.639 ng

RT: 10.469 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

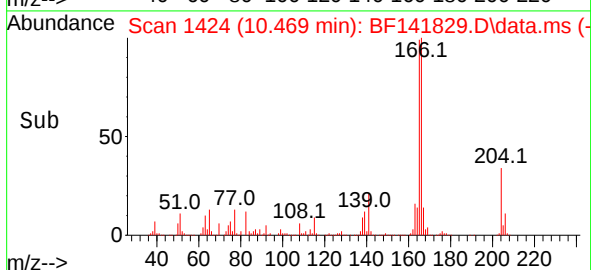
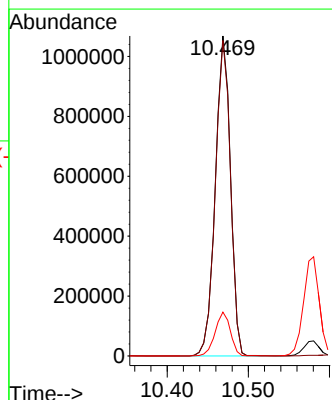
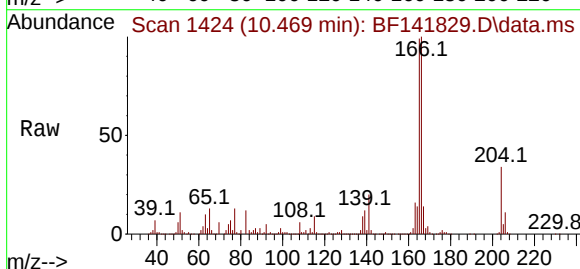
Tgt Ion:166 Resp: 1386308

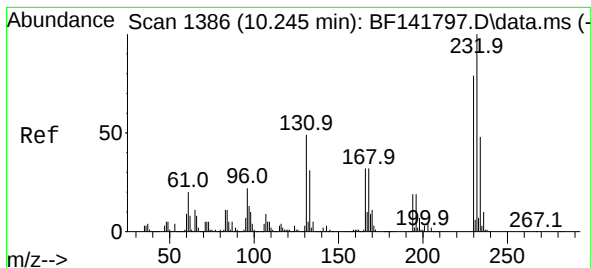
Ion Ratio Lower Upper

166 100

165 98.6 78.6 117.8

167 13.7 11.0 16.4

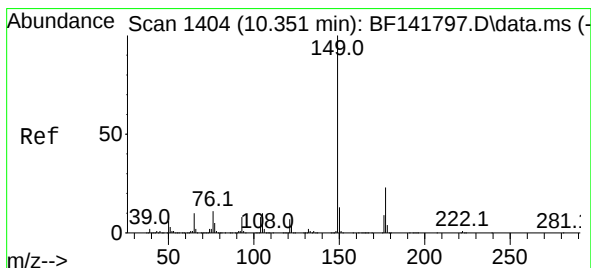
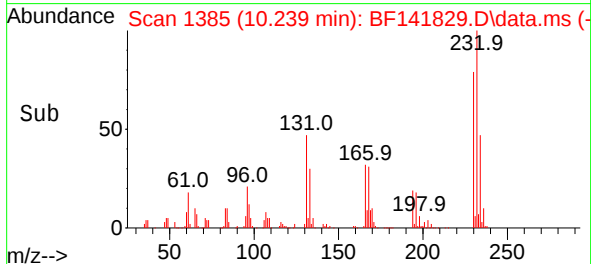
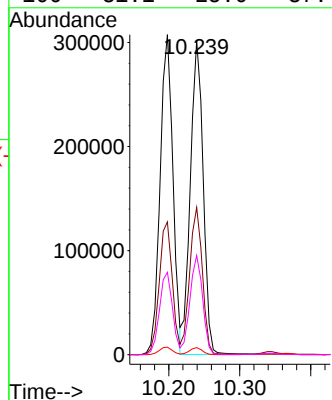
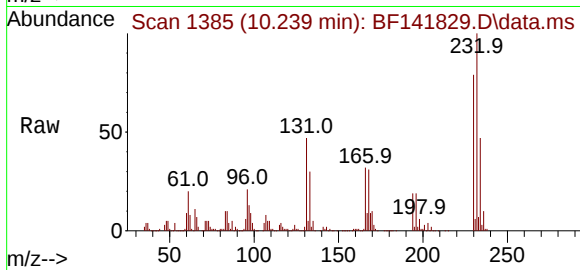




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.679 ng
RT: 10.239 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

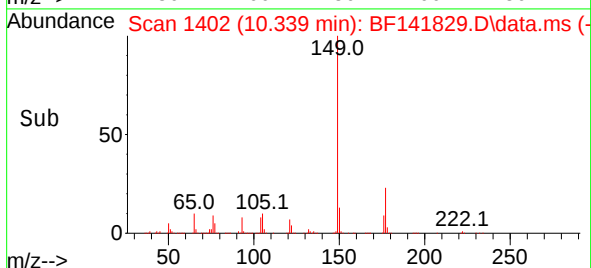
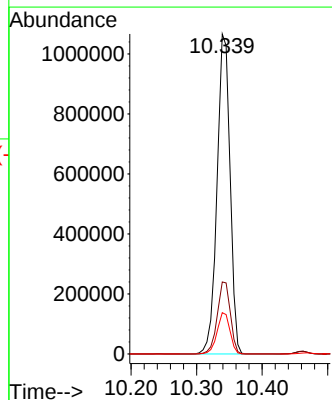
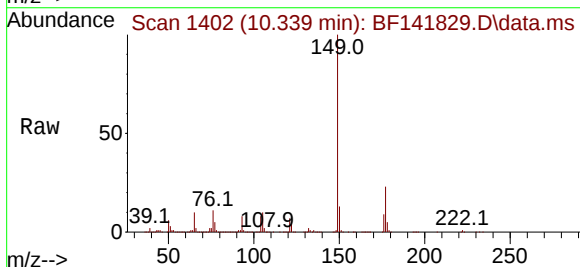
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

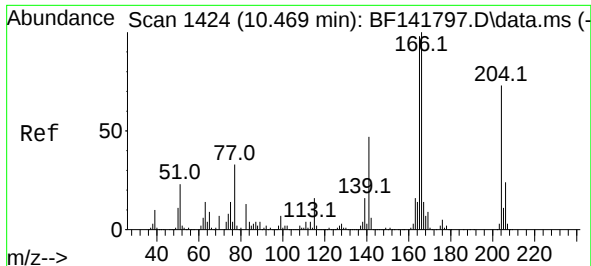
Tgt Ion:232 Resp: 377503
Ion Ratio Lower Upper
232 100
131 46.5 37.8 56.8
130 2.3 2.0 3.0
166 31.1 25.0 37.4



#60
Diethylphthalate
Concen: 39.548 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:149 Resp: 1461659
Ion Ratio Lower Upper
149 100
177 22.5 18.3 27.5
150 12.9 10.3 15.5

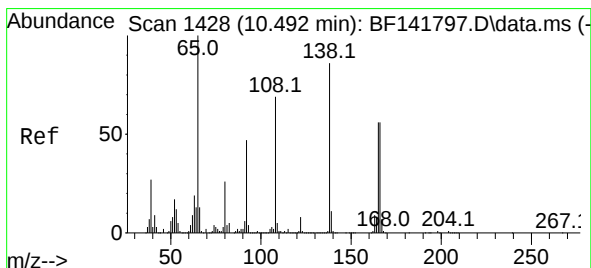
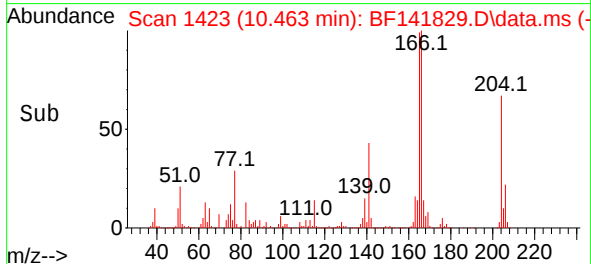
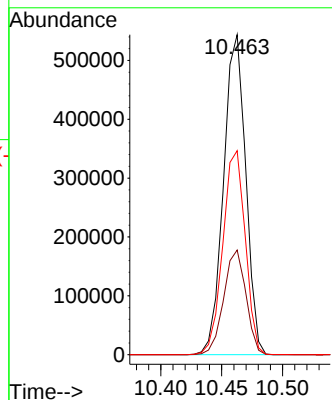
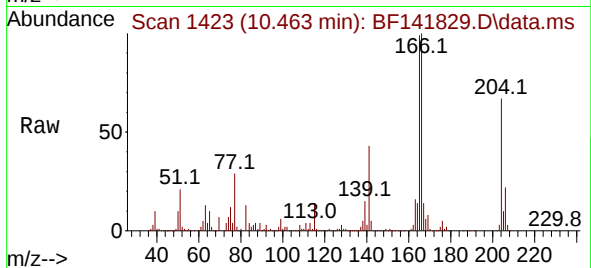




#61
4-Chlorophenyl-phenylether
Concen: 40.302 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

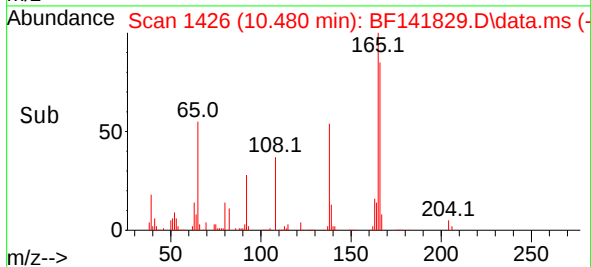
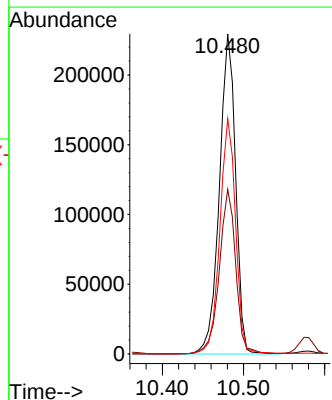
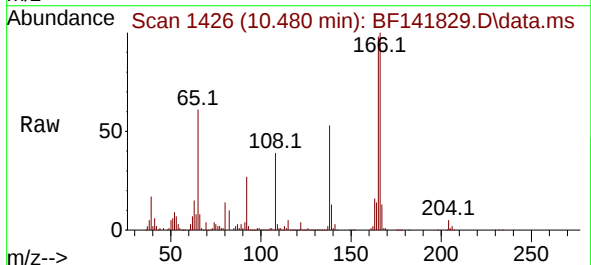
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

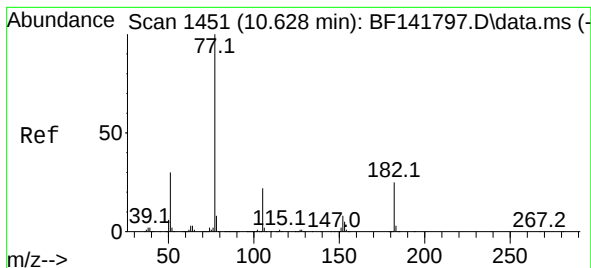
Tgt Ion:204 Resp: 688829
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.4
141 63.7 51.7 77.5



#62
4-Nitroaniline
Concen: 50.753 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:138 Resp: 319547
Ion Ratio Lower Upper
138 100
92 51.4 34.9 74.9
108 73.5 59.6 99.6





#63

Azobenzene

Concen: 42.026 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tgt Ion: 77 Resp: 1635455

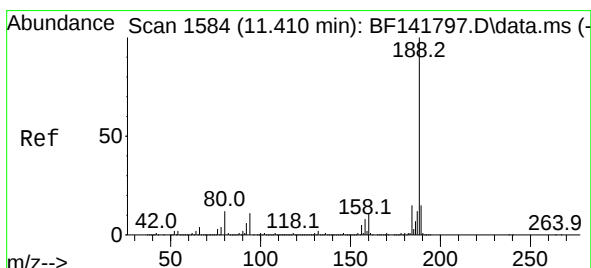
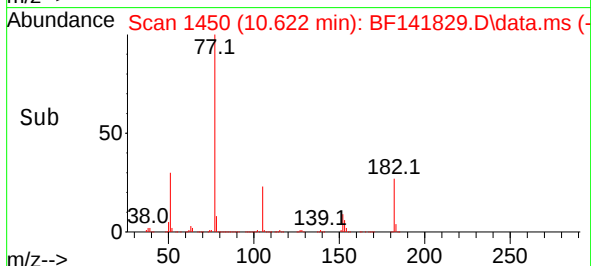
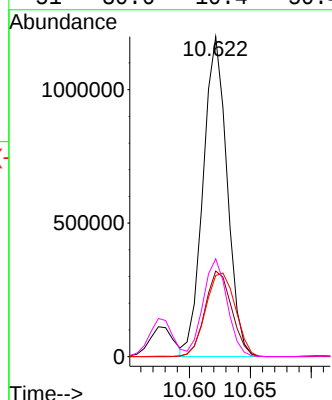
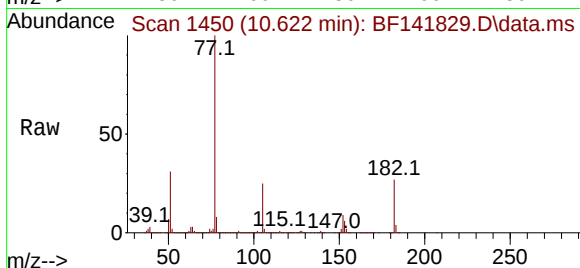
Ion Ratio Lower Upper

77 100

182 26.8 4.2 44.2

105 25.4 1.5 41.5

51 30.6 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

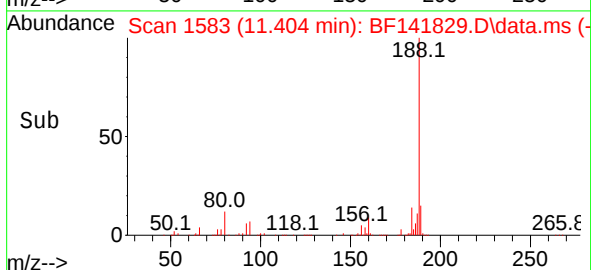
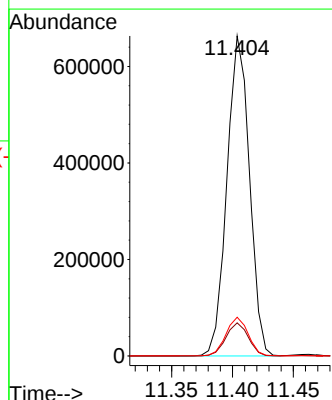
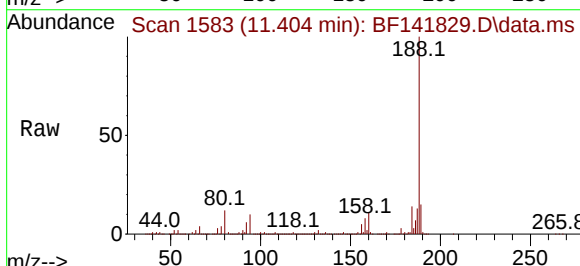
Tgt Ion: 188 Resp: 852758

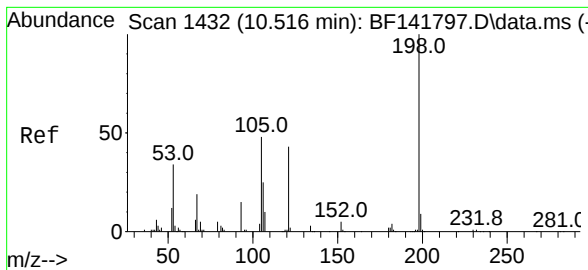
Ion Ratio Lower Upper

188 100

94 10.4 8.9 13.3

80 12.1 9.7 14.5

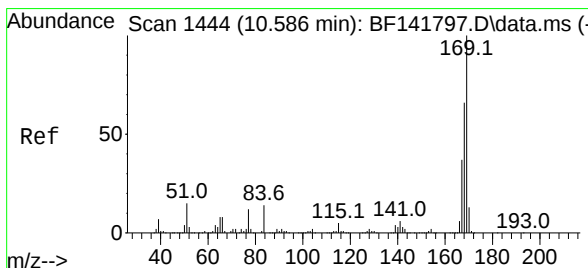
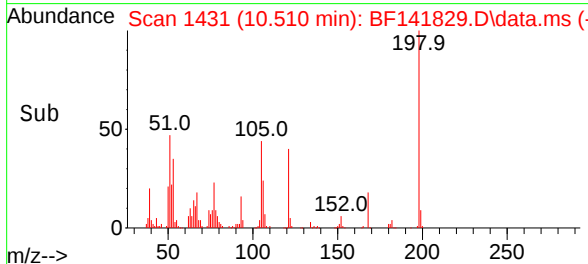
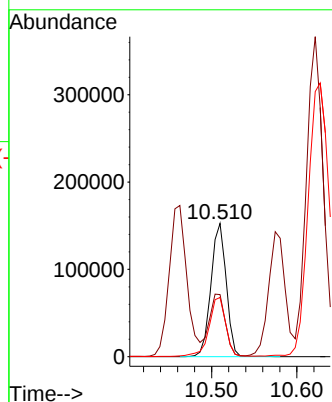
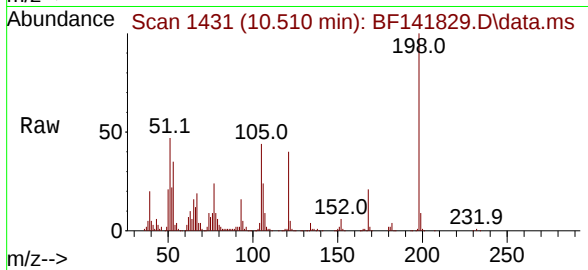




#65
4,6-Dinitro-2-methylphenol
Concen: 47.453 ng
RT: 10.510 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

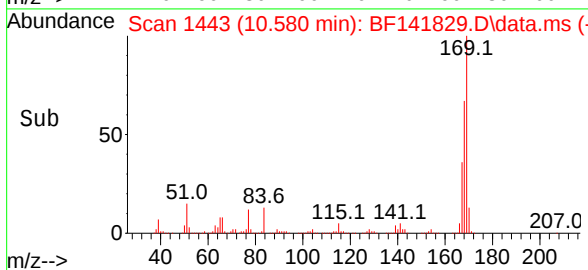
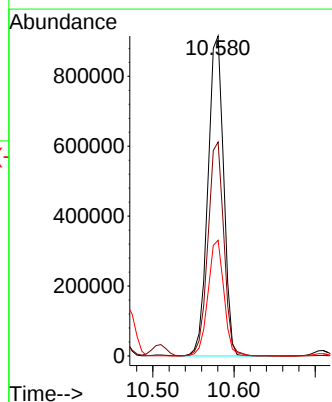
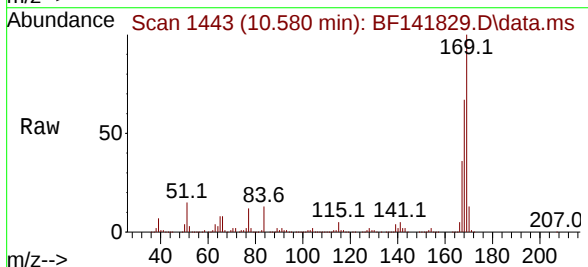
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

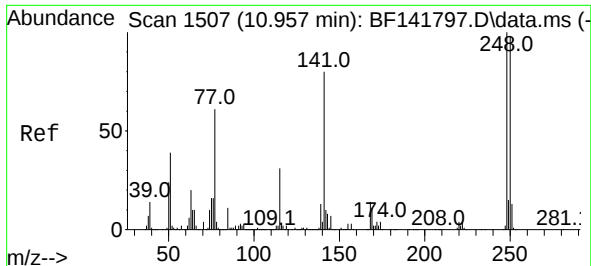
Tgt Ion:198 Resp: 190108
Ion Ratio Lower Upper
198 100
51 46.6 32.1 72.1
105 44.5 28.5 68.5



#66
n-Nitrosodiphenylamine
Concen: 43.706 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:169 Resp: 1223838
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.6
167 36.2 29.3 43.9

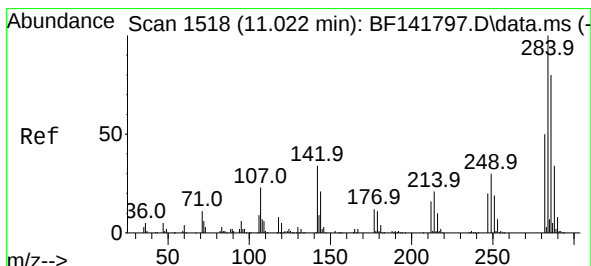
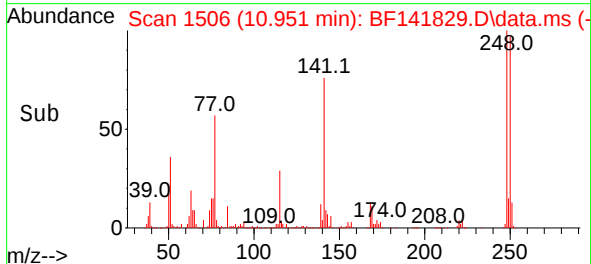
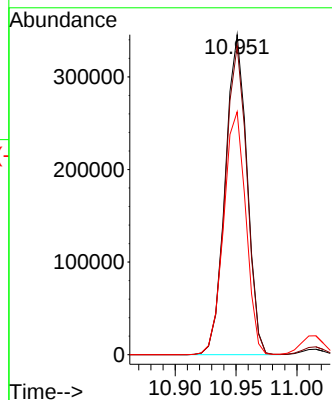
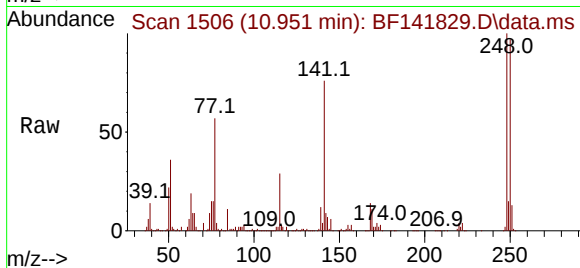




#67
4-Bromophenyl-phenylether
Concen: 43.187 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

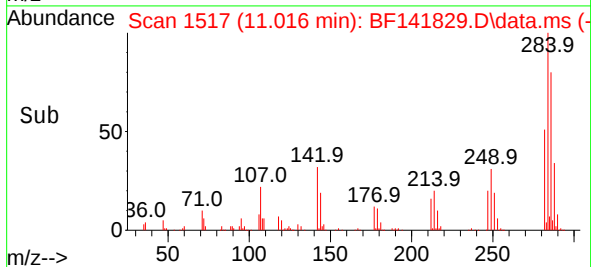
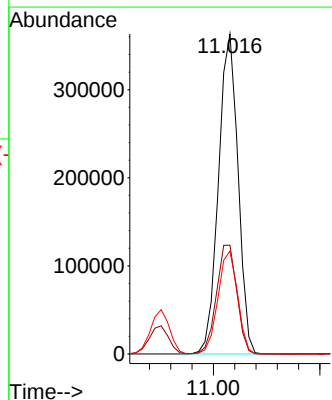
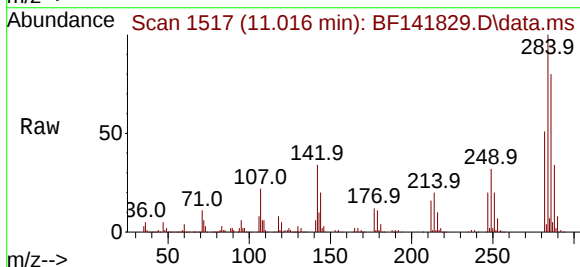
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

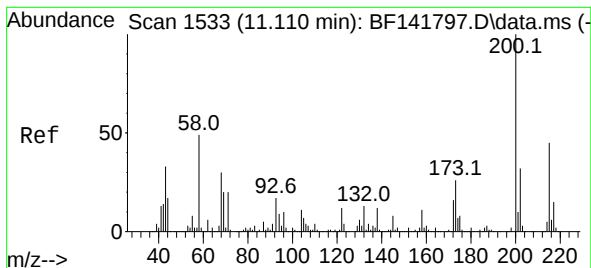
Tgt Ion:248 Resp: 430164
Ion Ratio Lower Upper
248 100
250 96.5 78.1 117.1
141 75.9 64.3 96.5



#68
Hexachlorobenzene
Concen: 43.916 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:284 Resp: 461909
Ion Ratio Lower Upper
284 100
142 34.0 28.2 42.2
249 32.1 25.5 38.3





#69

Atrazine

Concen: 57.743 ng

RT: 11.104 min Scan# 1532

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

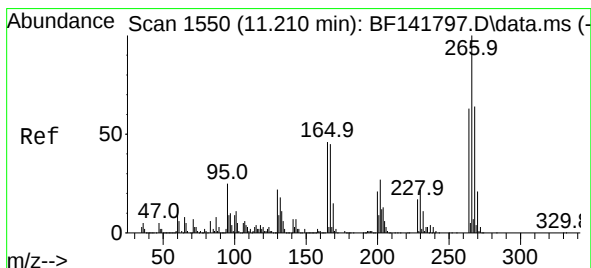
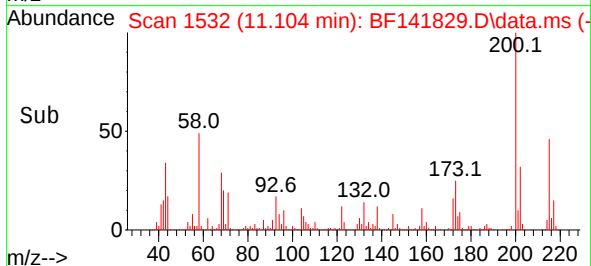
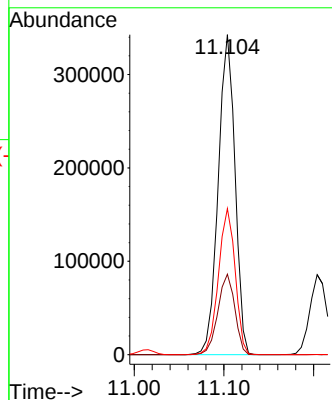
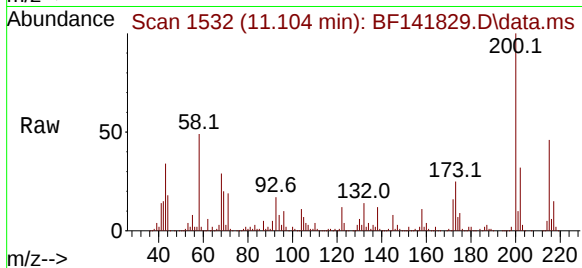
Tgt Ion:200 Resp: 444639

Ion Ratio Lower Upper

200 100

173 25.2 5.6 45.6

215 45.7 25.3 65.3



#70

Pentachlorophenol

Concen: 81.437 ng

RT: 11.204 min Scan# 1549

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

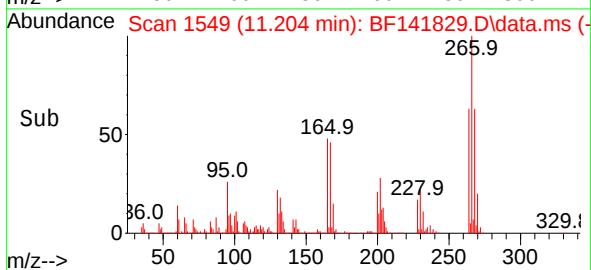
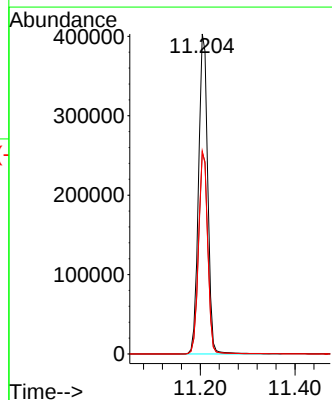
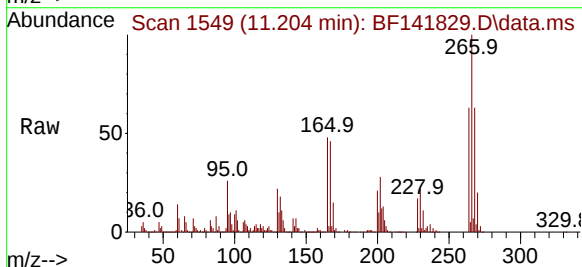
Tgt Ion:266 Resp: 543257

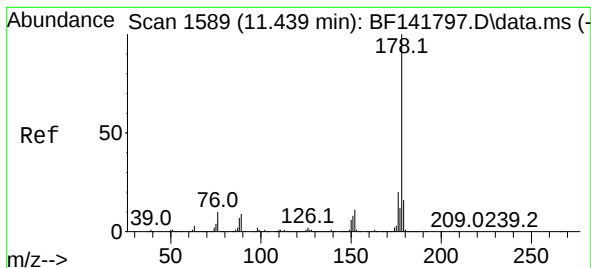
Ion Ratio Lower Upper

266 100

268 63.0 50.9 76.3

264 63.4 50.2 75.4

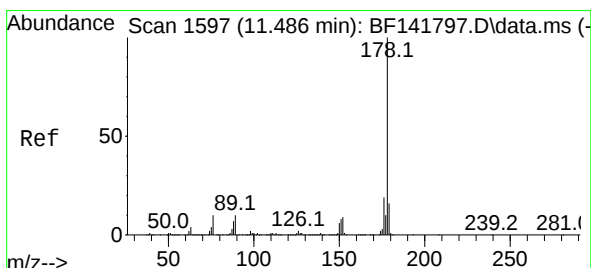
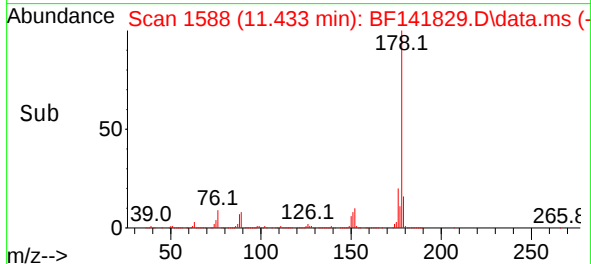
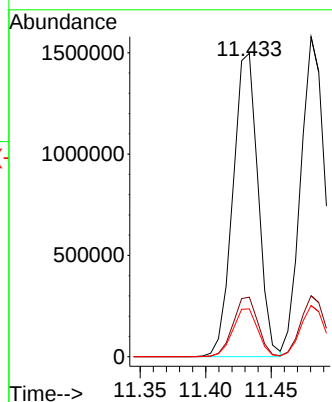
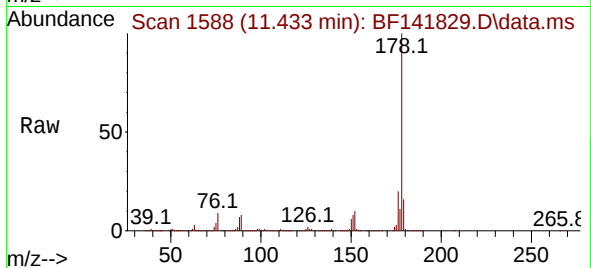




#71
Phenanthrene
Concen: 43.777 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

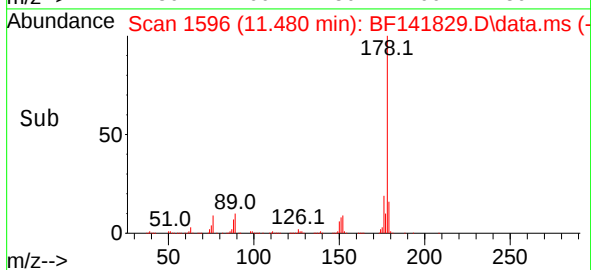
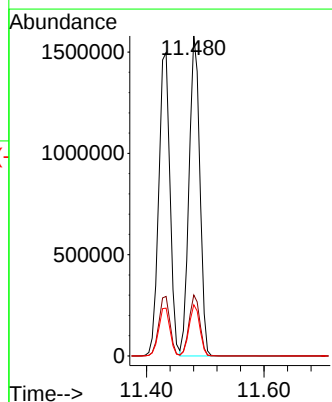
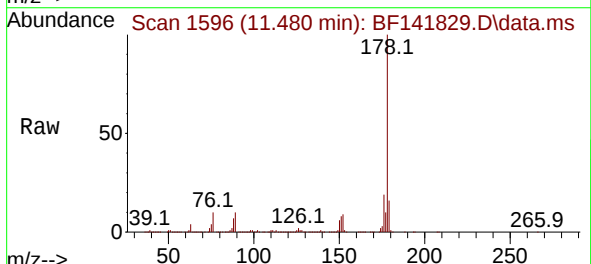
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

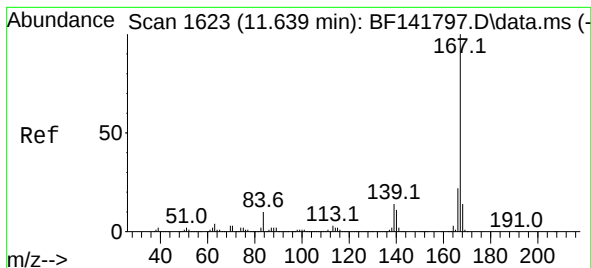
Tgt Ion:178 Resp: 1996837
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.8 12.6 19.0



#72
Anthracene
Concen: 43.786 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:178 Resp: 2001696
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 16.0 12.8 19.2





#73

Carbazole

Concen: 41.920 ng

RT: 11.633 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

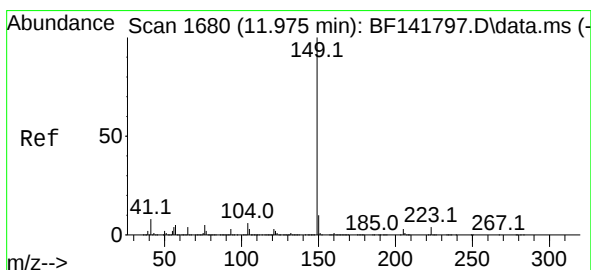
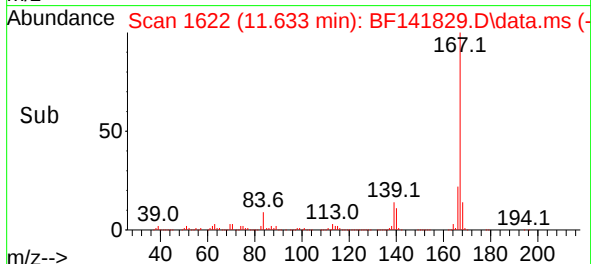
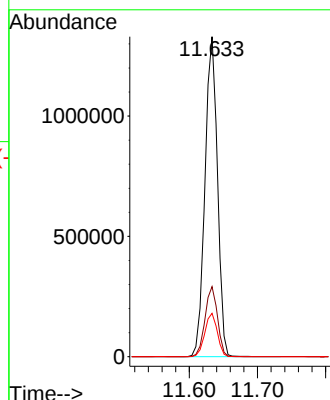
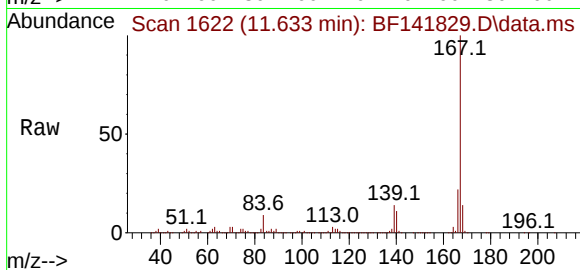
Tgt Ion:167 Resp: 1692332

Ion Ratio Lower Upper

167 100

166 21.9 17.5 26.3

139 13.6 11.3 16.9



#74

Di-n-butylphthalate

Concen: 40.461 ng

RT: 11.963 min Scan# 1678

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

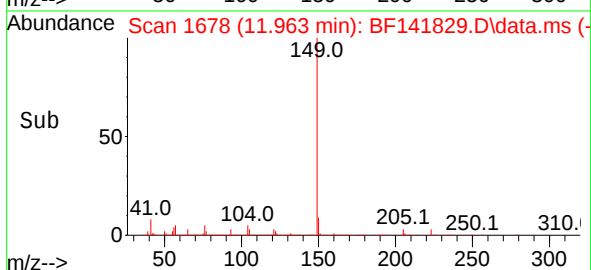
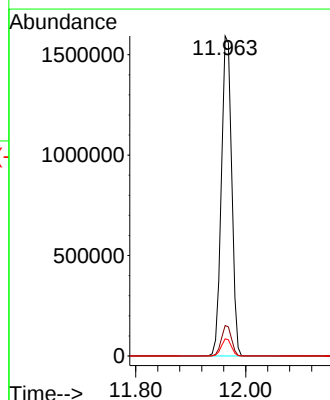
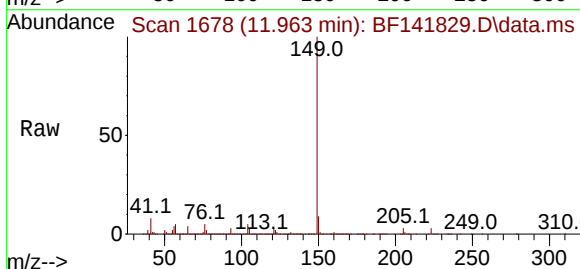
Tgt Ion:149 Resp: 2070500

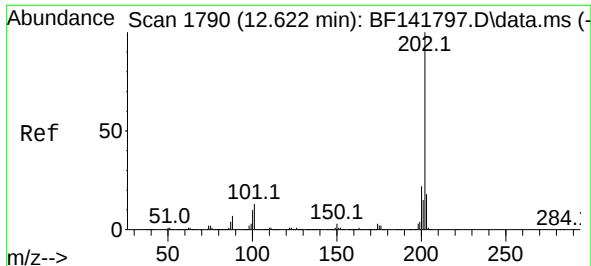
Ion Ratio Lower Upper

149 100

150 9.5 7.7 11.5

104 5.4 4.4 6.6

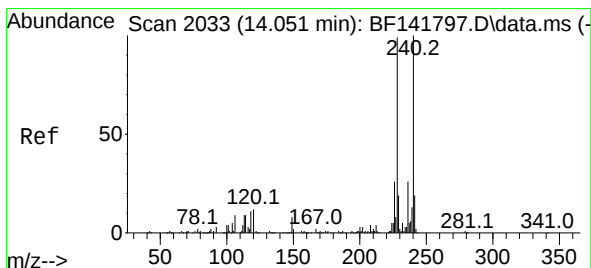
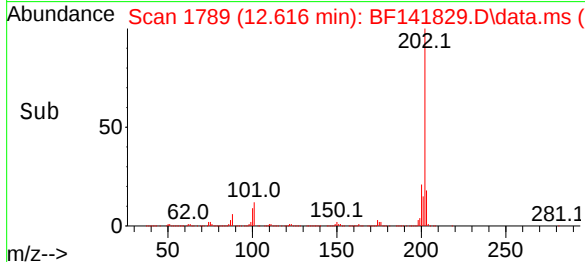
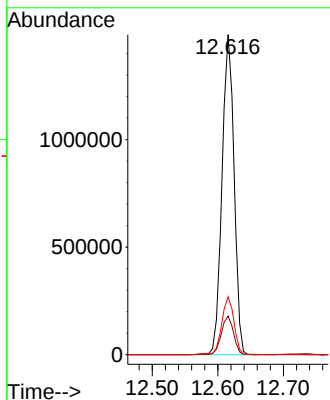
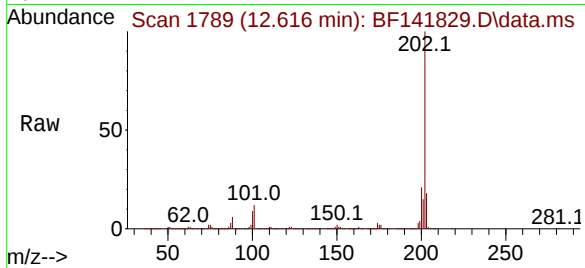




#75
Fluoranthene
Concen: 40.416 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

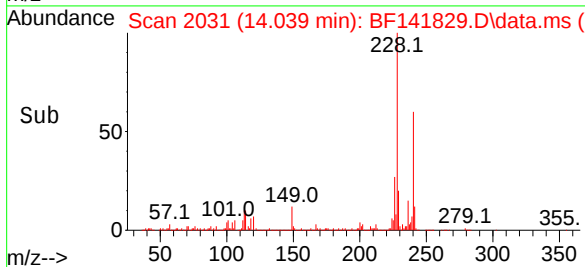
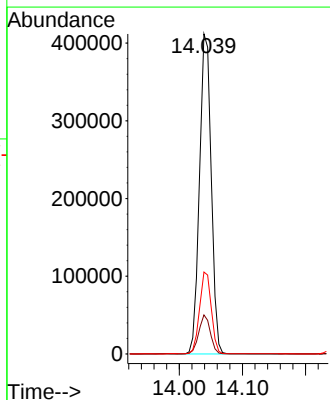
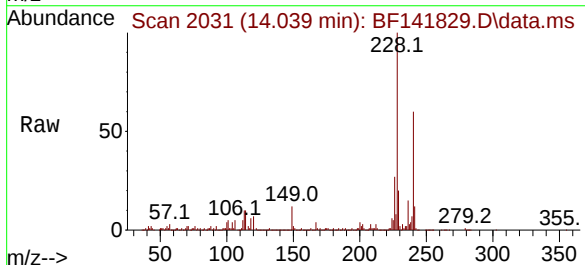
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

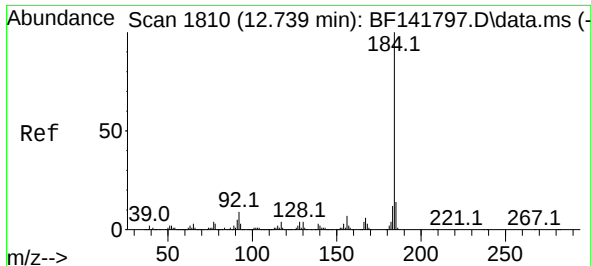
Tgt Ion:202 Resp: 1888989
Ion Ratio Lower Upper
202 100
101 12.0 0.0 32.8
203 18.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:240 Resp: 532651
Ion Ratio Lower Upper
240 100
120 12.2 9.7 14.5
236 25.6 21.0 31.4

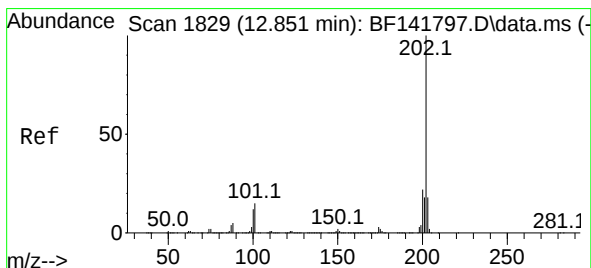
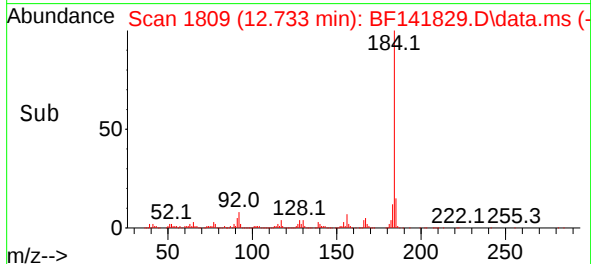
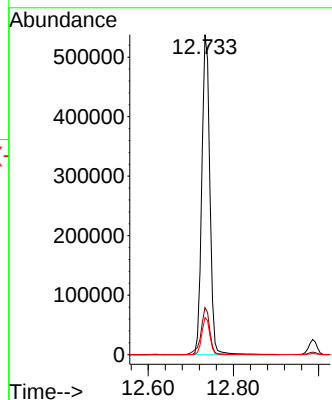
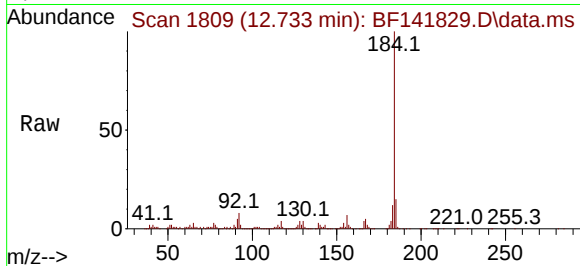




#77
Benzidine
Concen: 105.167 ng
RT: 12.733 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

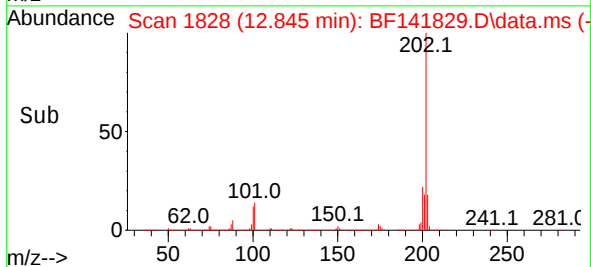
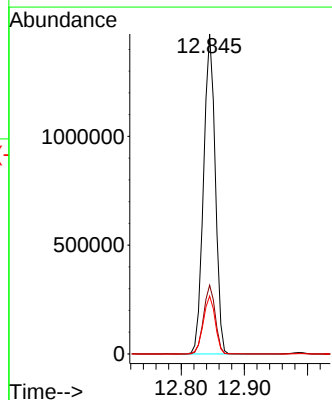
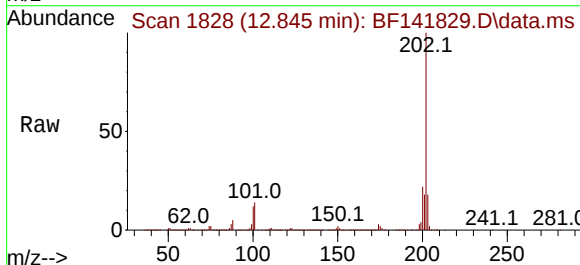
Instrument :
BNA_F
ClientSampleId :
TP-4MSD

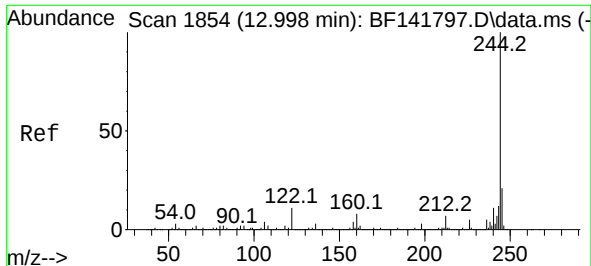
Tgt Ion:184 Resp: 705054
Ion Ratio Lower Upper
184 100
185 14.7 11.6 17.4
183 11.6 9.4 14.0



#78
Pyrene
Concen: 40.937 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141829.D
Acq: 04 Mar 2025 16:17

Tgt Ion:202 Resp: 1888201
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.0
203 18.1 14.6 22.0





#79

Terphenyl-d14

Concen: 70.300 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

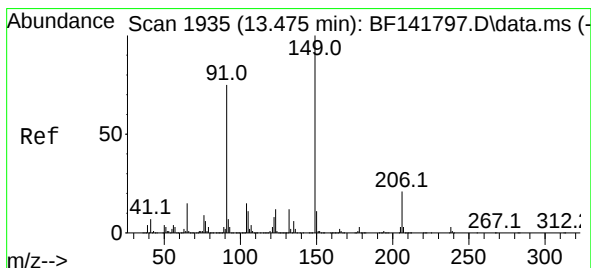
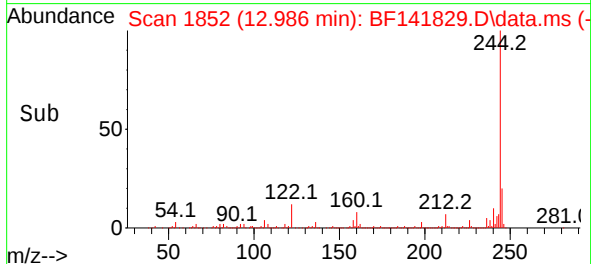
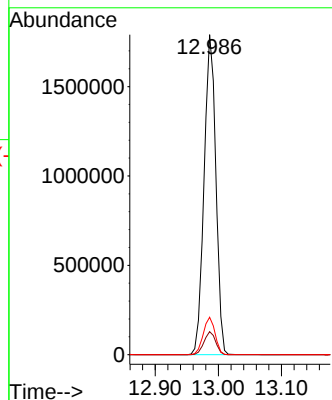
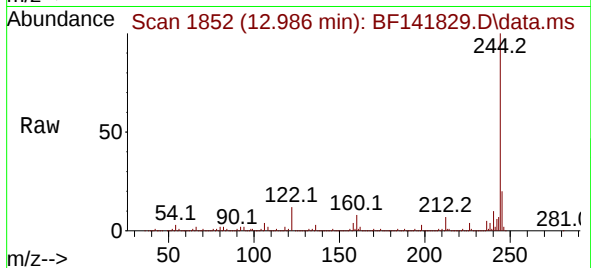
Tgt Ion:244 Resp: 2314431

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 11.7 9.0 13.6



#80

Butylbenzylphthalate

Concen: 43.904 ng

RT: 13.463 min Scan# 1933

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

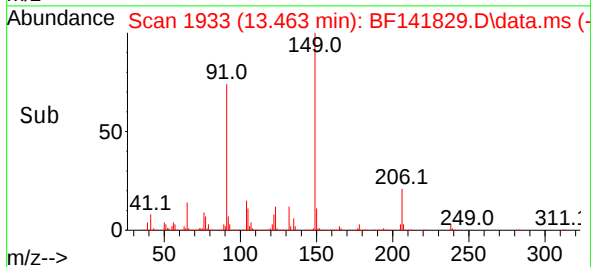
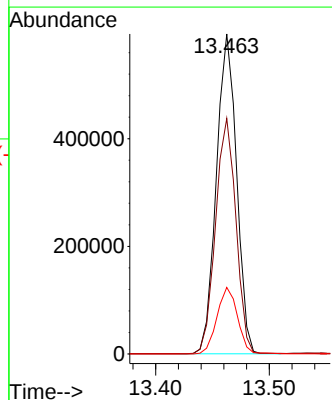
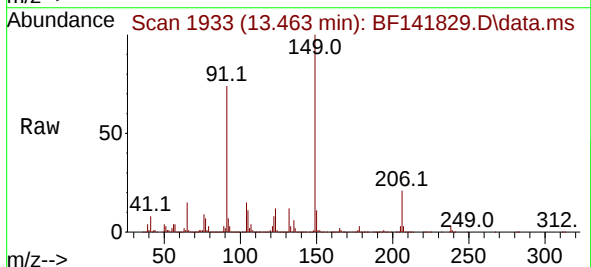
Tgt Ion:149 Resp: 735751

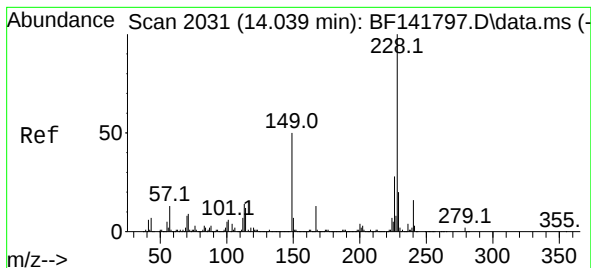
Ion Ratio Lower Upper

149 100

91 73.6 60.1 90.1

206 20.8 16.8 25.2





#81

Benzo(a)anthracene

Concen: 44.010 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

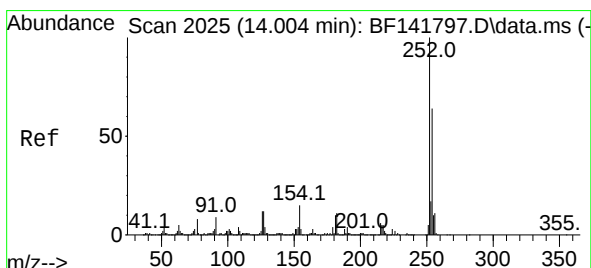
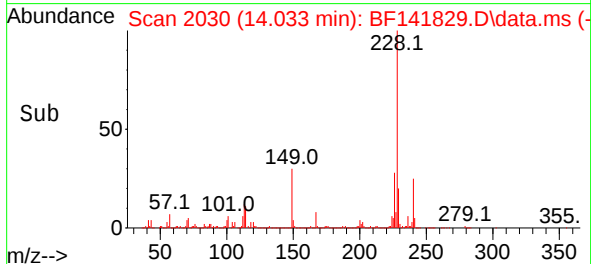
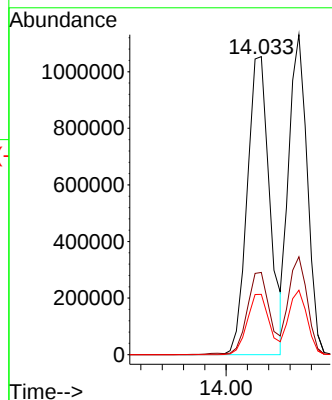
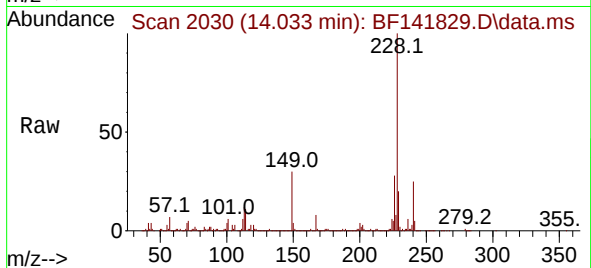
Tgt Ion:228 Resp: 1548398

Ion Ratio Lower Upper

228 100

226 27.6 22.1 33.1

229 20.2 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 33.416 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

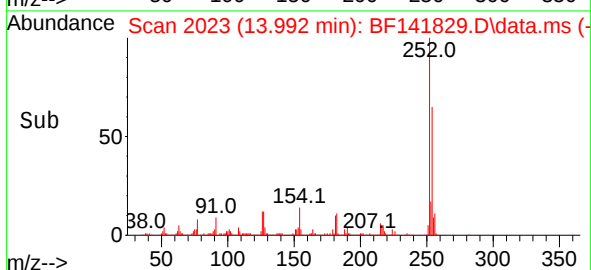
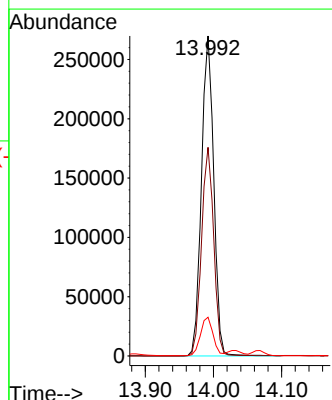
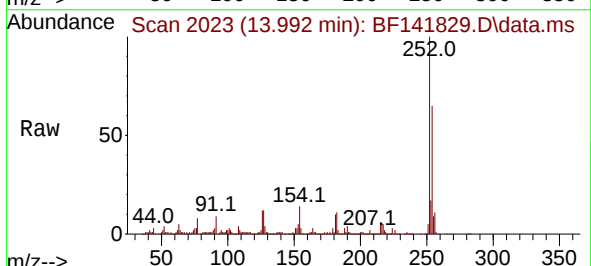
Tgt Ion:252 Resp: 337307

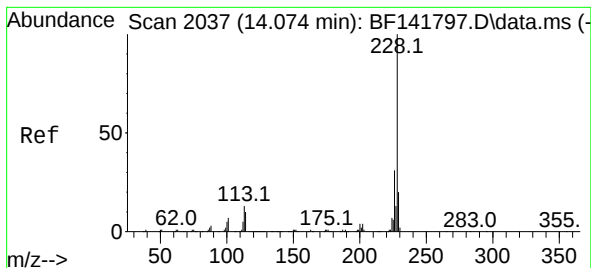
Ion Ratio Lower Upper

252 100

254 65.2 51.4 77.0

126 12.1 9.8 14.6





#83

Chrysene

Concen: 41.786 ng

RT: 14.068 min Scan# 2036

Delta R.T. -0.006 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

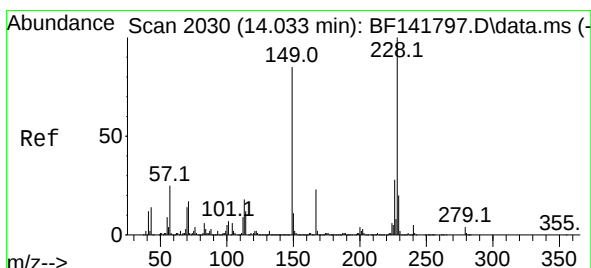
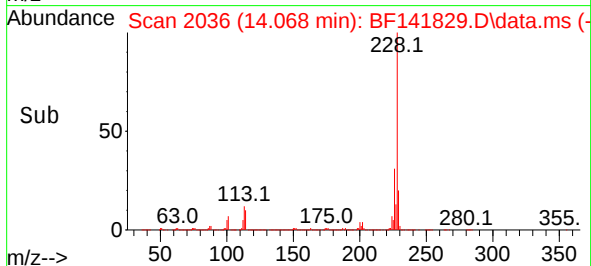
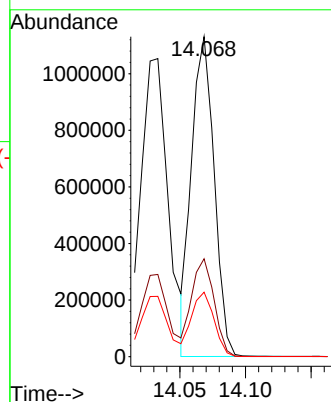
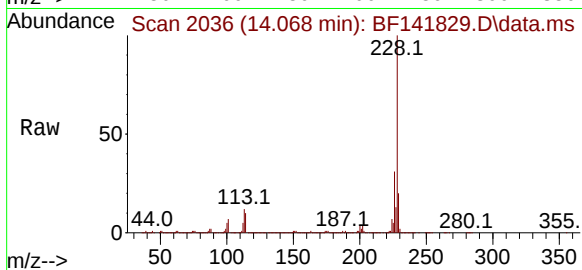
Tgt Ion:228 Resp: 1355205

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0

229 20.2 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.159 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

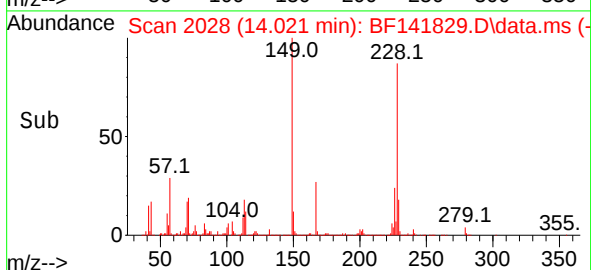
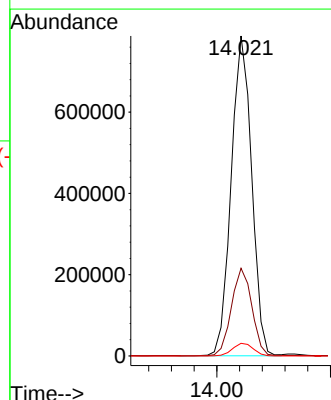
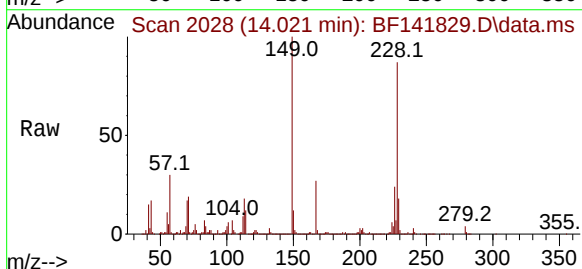
Tgt Ion:149 Resp: 984028

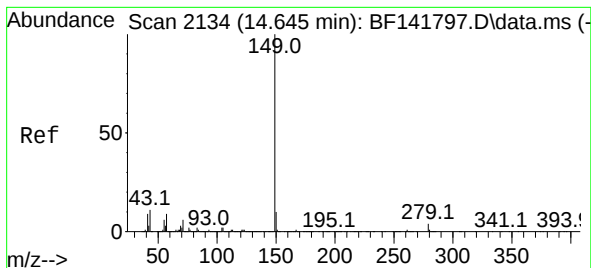
Ion Ratio Lower Upper

149 100

167 27.4 21.2 31.8

279 4.0 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 52.447 ng

RT: 14.633 min Scan# 2134

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

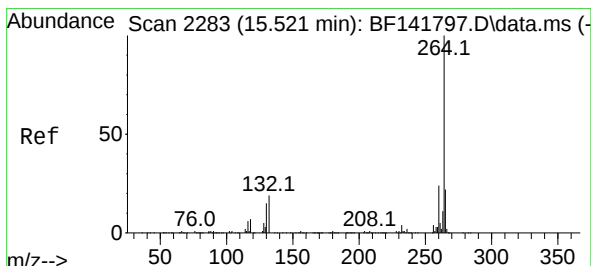
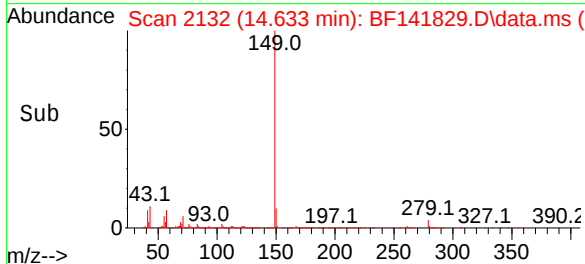
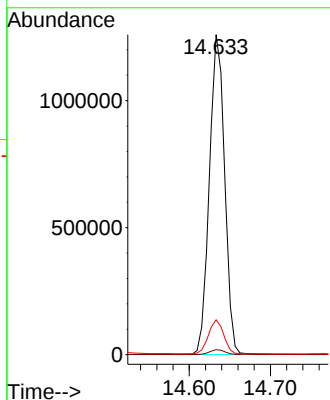
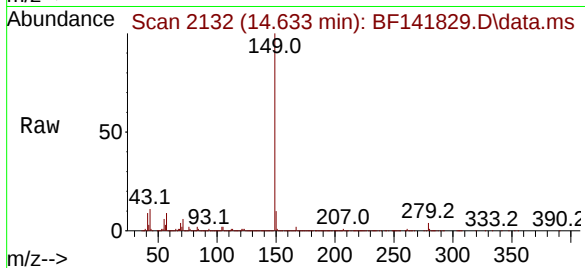
Tgt Ion:149 Resp: 1638402

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 10.7 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2281

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

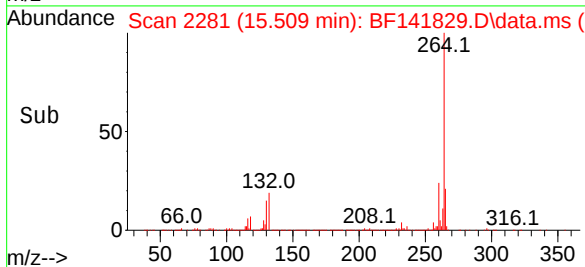
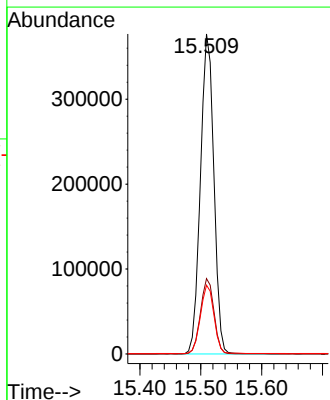
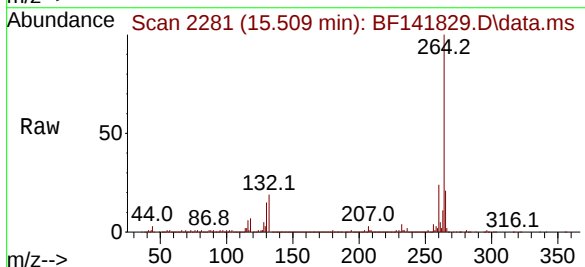
Tgt Ion:264 Resp: 576587

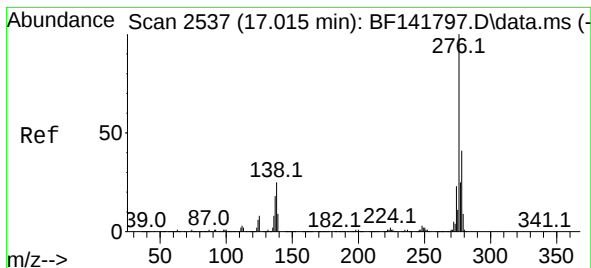
Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.5 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.139 ng

RT: 17.003 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

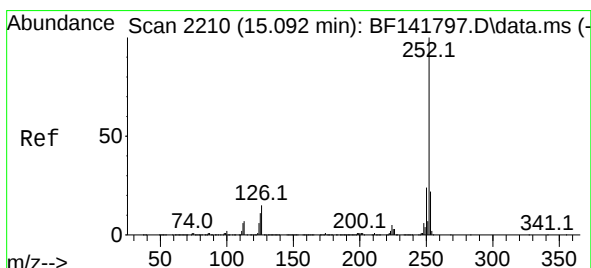
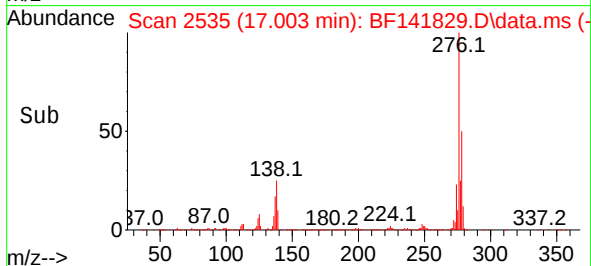
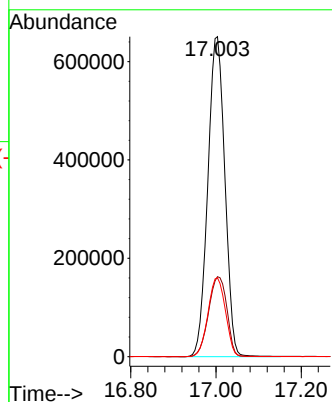
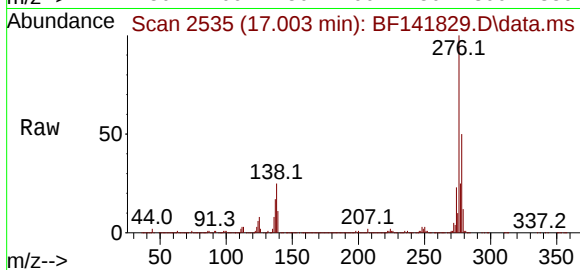
Tgt Ion:276 Resp: 1804146

Ion Ratio Lower Upper

276 100

138 26.8 22.5 33.7

277 25.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 41.399 ng

RT: 15.080 min Scan# 2208

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

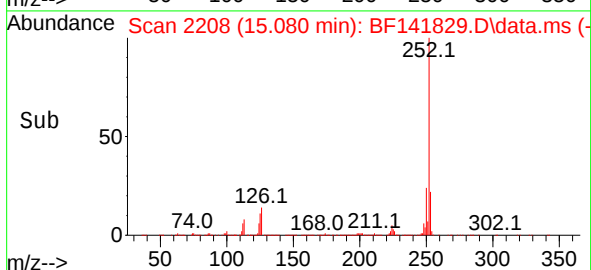
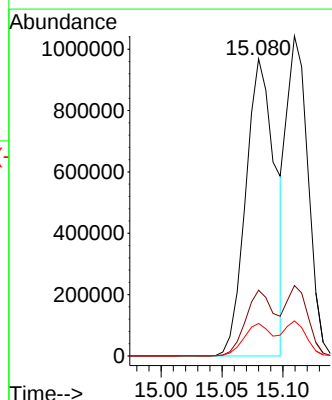
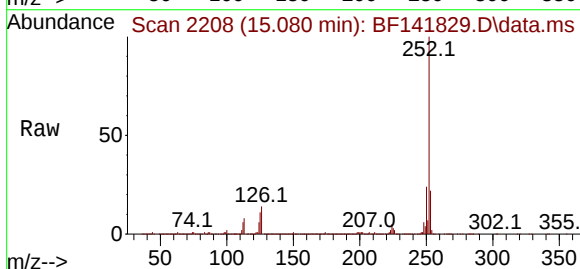
Tgt Ion:252 Resp: 1625962

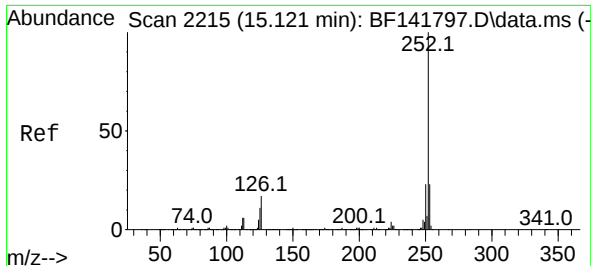
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 11.0 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 38.272 ng

RT: 15.109 min Scan# 2215

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

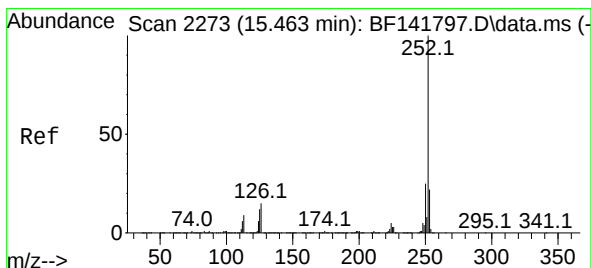
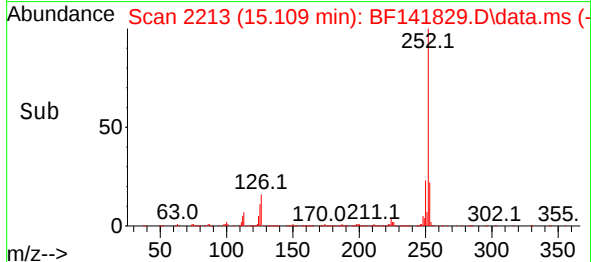
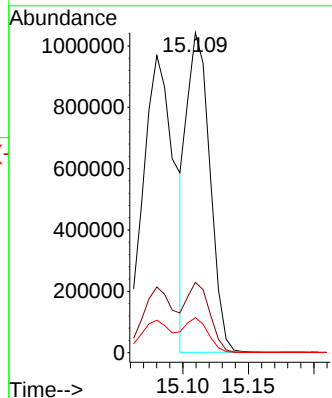
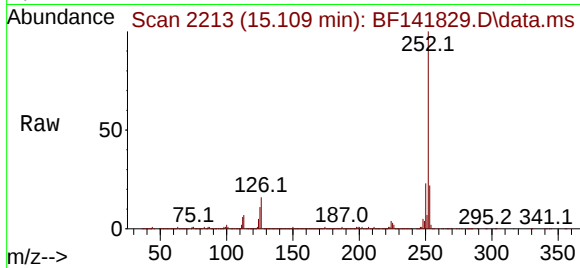
Tgt Ion:252 Resp: 1277610

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 10.9 8.8 13.2



#90

Benzo(a)pyrene

Concen: 45.064 ng

RT: 15.451 min Scan# 2271

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

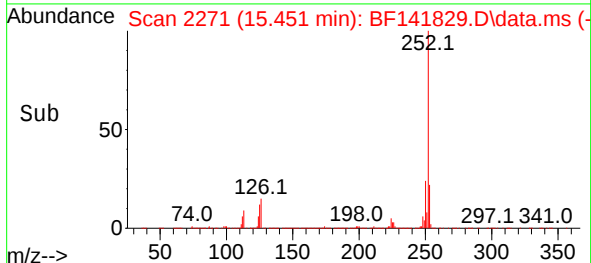
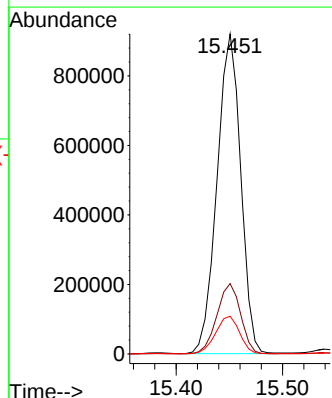
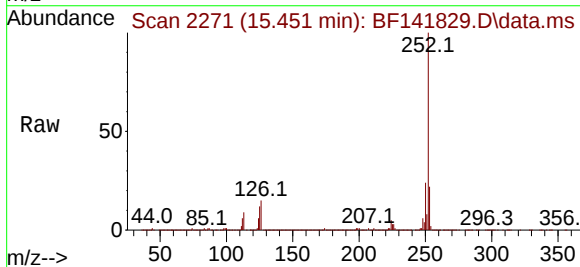
Tgt Ion:252 Resp: 1419428

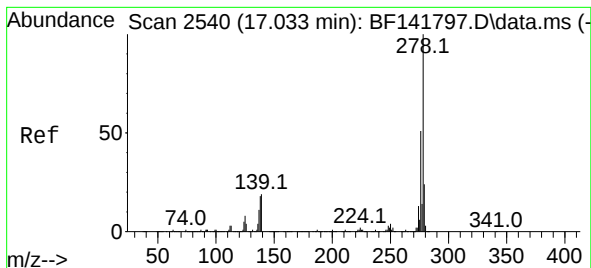
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 11.8 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 48.355 ng

RT: 17.021 min Scan# 2538

Delta R.T. -0.012 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

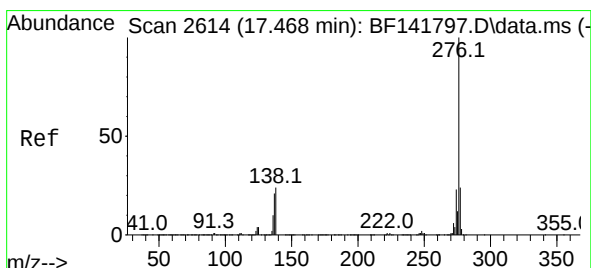
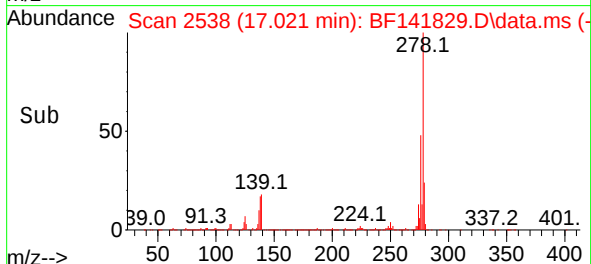
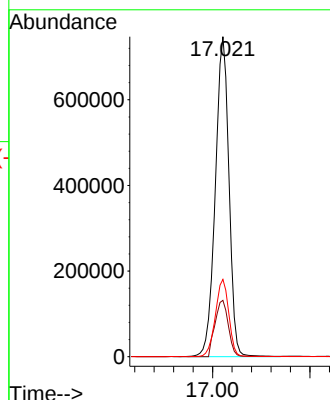
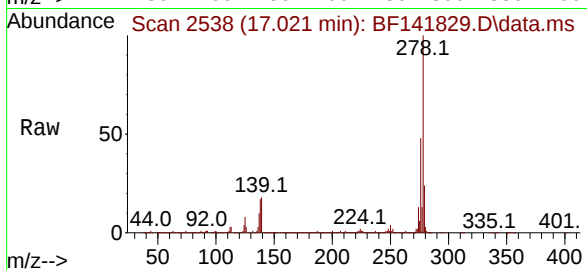
Tgt Ion:278 Resp: 1449156

Ion Ratio Lower Upper

278 100

139 17.6 14.9 22.3

279 24.2 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 45.811 ng

RT: 17.451 min Scan# 2611

Delta R.T. -0.018 min

Lab File: BF141829.D

Acq: 04 Mar 2025 16:17

Tgt Ion:276 Resp: 1406498

Ion Ratio Lower Upper

276 100

277 24.4 19.4 29.0

138 24.2 19.3 28.9

