

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
 Data File : BF141820.D
 Acq On : 03 Mar 2025 18:45
 Operator : RC/JU
 Sample : Q1475-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02282025MSD

Quant Time: Mar 04 00:13:37 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	6.887	152	110601	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	472405	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	295427	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	545054	20.000	ng	0.00
76) Chrysene-d12	14.057	240	364367	20.000	ng	0.00
86) Perylene-d12	15.527	264	325863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	815896	117.809	ng	0.00
7) Phenol-d6	6.498	99	1078485	119.642	ng	-0.01
23) Nitrobenzene-d5	7.445	82	665051	89.987	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	377774	136.207	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1406930	76.362	ng	0.00
79) Terphenyl-d14	12.998	244	1843944	81.878	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.622	88	131982	41.999	ng	98
3) Pyridine	3.399	79	317118	40.559	ng	100
4) n-Nitrosodimethylamine	3.322	42	129914	34.532	ng	96
6) Aniline	6.546	93	240050	25.615	ng	100
8) 2-Chlorophenol	6.669	128	343798	45.890	ng	98
9) Benzaldehyde	6.434	77	127463	24.309	ng	100
10) Phenol	6.516	94	457969	47.544	ng	95
11) bis(2-Chloroethyl)ether	6.616	93	323506	44.059	ng	99
12) 1,3-Dichlorobenzene	6.828	146	356948	44.490	ng	99
13) 1,4-Dichlorobenzene	6.904	146	358427	44.337	ng	99
14) 1,2-Dichlorobenzene	7.057	146	349753	46.332	ng	97
15) Benzyl Alcohol	7.022	79	307475	42.680	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	499260	44.773	ng	97
17) 2-Methylphenol	7.128	107	289987	46.893	ng	99
18) Hexachloroethane	7.404	117	133353	44.073	ng	98
19) n-Nitroso-di-n-propyla...	7.293	70	256742	43.327	ng	97
20) 3+4-Methylphenols	7.281	107	385146	50.017	ng	98
22) Acetophenone	7.293	105	543135	47.207	ng	98
24) Nitrobenzene	7.463	77	377448	47.692	ng	99
25) Isophorone	7.704	82	706853	44.519	ng	100
26) 2-Nitrophenol	7.781	139	151460	43.330	ng	97
27) 2,4-Dimethylphenol	7.816	122	319502	54.742	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	418550	41.325	ng	99
29) 2,4-Dichlorophenol	8.016	162	316178	46.958	ng	99
30) 1,2,4-Trichlorobenzene	8.110	180	323179	43.803	ng	98
31) Naphthalene	8.192	128	1119771	46.120	ng	99
32) Benzoic acid	7.898	122	244327	49.810	ng	99
33) 4-Chloroaniline	8.234	127	153722	17.267	ng	99
34) Hexachlorobutadiene	8.310	225	190488	41.548	ng	97
35) Caprolactam	8.587	113	105510	50.938	ng	99
36) 4-Chloro-3-methylphenol	8.710	107	371626	49.685	ng	96
37) 2-Methylnaphthalene	8.881	142	763209	47.924	ng	99
38) 1-Methylnaphthalene	8.981	142	743009	48.624	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	382857	44.872	ng	99
41) Hexachlorocyclopentadiene	9.034	237	265844	74.660	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	251773	45.681	ng	99

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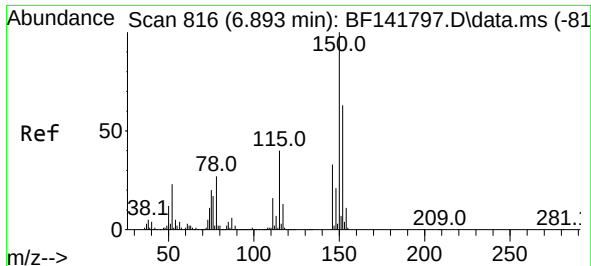
Quant Time: Mar 04 00:13:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	260124	47.662	ng	99
46) 1,1'-Biphenyl	9.345	154	1073962	47.760	ng	99
47) 2-Chloronaphthalene	9.369	162	741119	44.654	ng	97
48) 2-Nitroaniline	9.463	65	236394	51.670	ng	97
49) Acenaphthylene	9.787	152	1232367	49.525	ng	99
50) Dimethylphthalate	9.645	163	870106	43.980	ng	99
51) 2,6-Dinitrotoluene	9.704	165	190057	50.087	ng	97
52) Acenaphthene	9.957	154	1068759	63.653	ng	100
53) 3-Nitroaniline	9.869	138	162885	40.874	ng	# 96
54) 2,4-Dinitrophenol	9.975	184	142970	81.667	ng	# 9
55) Dibenzofuran	10.134	168	1272025	52.050	ng	98
56) 4-Nitrophenol	10.022	139	408817	139.909	ng	98
57) 2,4-Dinitrotoluene	10.104	165	273781	58.400	ng	99
58) Fluorene	10.475	166	1187140	64.850	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	244933	51.602	ng	99
60) Diethylphthalate	10.345	149	900702	45.413	ng	99
61) 4-Chlorophenyl-phenyle...	10.469	204	419858	45.777	ng	99
62) 4-Nitroaniline	10.481	138	210583	62.328	ng	95
63) Azobenzene	10.628	77	1105808	52.953	ng	89
65) 4,6-Dinitro-2-methylph...	10.510	198	102050	41.155	ng	96
66) n-Nitrosodiphenylamine	10.581	169	802757	44.853	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	274340	43.092	ng	98
68) Hexachlorobenzene	11.022	284	294663	43.830	ng	100
69) Atrazine	11.110	200	313116	63.618	ng	99
70) Pentachlorophenol	11.216	266	394143	92.439	ng	100
71) Phenanthrene	11.439	178	3866700	132.626	ng	99
72) Anthracene	11.492	178	2295577	78.562	ng	100
73) Carbazole	11.639	167	1695666	65.715	ng	100
74) Di-n-butylphthalate	11.975	149	1535009	46.931	ng	99
75) Fluoranthene	12.633	202	4553566	152.425	ng	98
77) Benzidine	12.745	184	577625	125.952	ng	99
78) Pyrene	12.857	202	3929924	124.554	ng	96
80) Butylbenzylphthalate	13.475	149	591936	51.636	ng	98
81) Benzo(a)anthracene	14.045	228	2686577	111.629	ng	98
82) 3,3'-Dichlorobenzidine	14.004	252	201094	29.123	ng	99
83) Chrysene	14.080	228	2156229	97.191	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	799872	56.038	ng	100
85) Di-n-octyl phthalate	14.645	149	1237973	57.932	ng	99
87) Indeno(1,2,3-cd)pyrene	17.027	276	1274356	61.415	ng	97
88) Benzo(b)fluoranthene	15.098	252	2307739	103.967	ng	98
89) Benzo(k)fluoranthene	15.098	252	2307739	122.320	ng	98
90) Benzo(a)pyrene	15.468	252	1736263	97.534	ng	98
91) Dibenzo(a,h)anthracene	17.045	278	800626	47.270	ng	98
92) Benzo(g,h,i)perylene	17.480	276	1009379	58.172	ng	99

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

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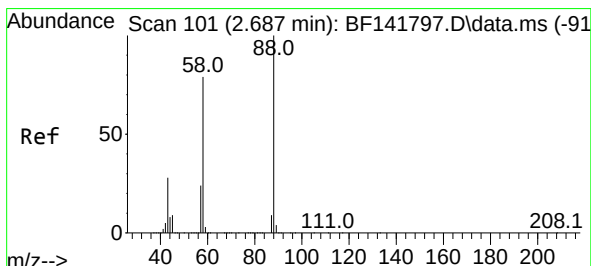
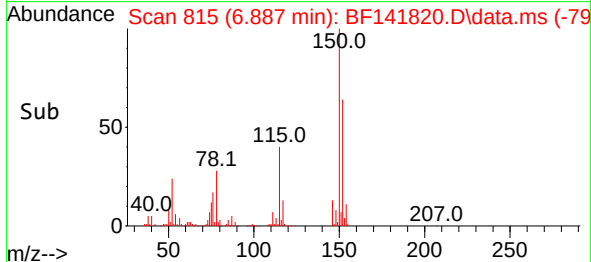
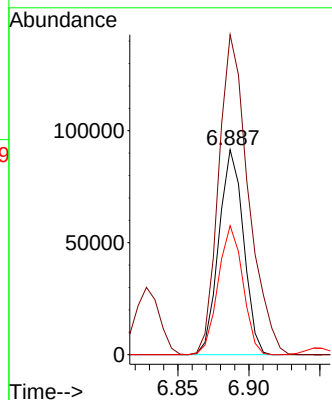
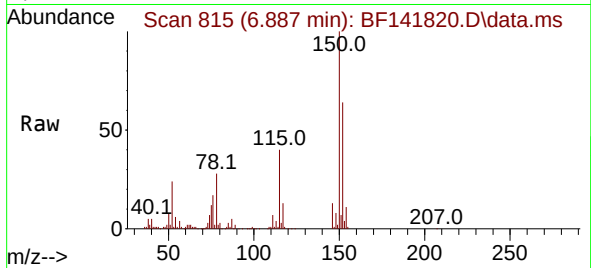




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF141820.D
 Acq: 03 Mar 2025 18:45

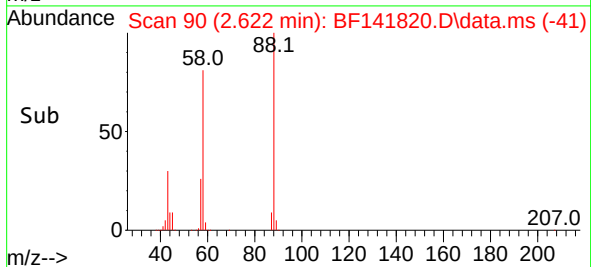
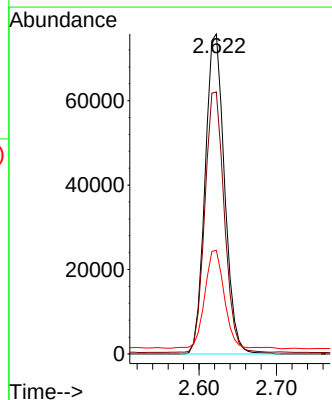
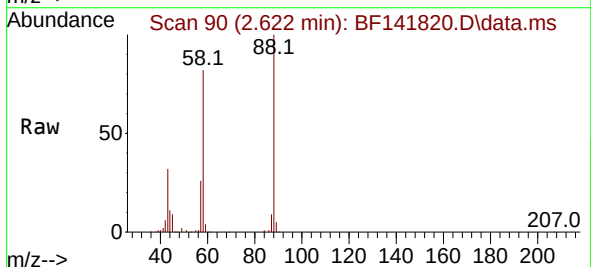
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02282025MSD

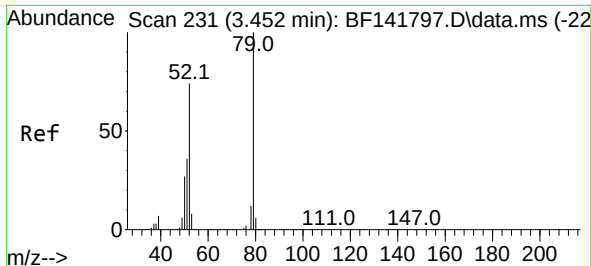
Tgt Ion:152 Resp: 110601
 Ion Ratio Lower Upper
 152 100
 150 156.2 127.5 191.3
 115 62.9 51.4 77.2



#2
 1,4-Dioxane
 Concen: 41.999 ng
 RT: 2.622 min Scan# 90
 Delta R.T. -0.065 min
 Lab File: BF141820.D
 Acq: 03 Mar 2025 18:45

Tgt Ion: 88 Resp: 131982
 Ion Ratio Lower Upper
 88 100
 58 81.8 63.9 95.9
 43 30.4 23.0 34.6





#3

Pyridine

Concen: 40.559 ng

RT: 3.399 min Scan# 21

Delta R.T. -0.053 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

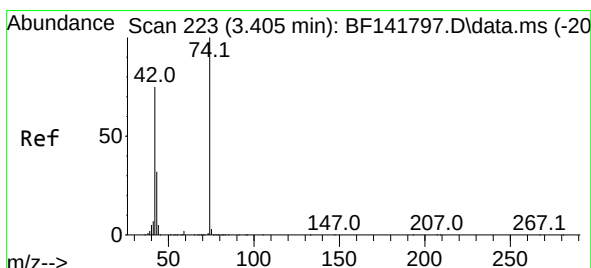
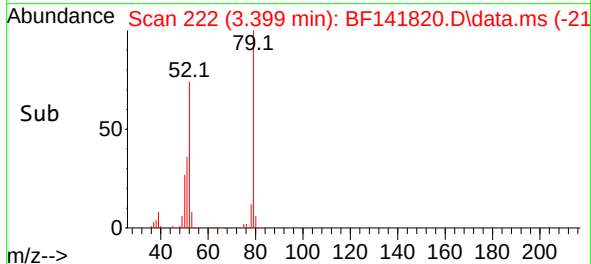
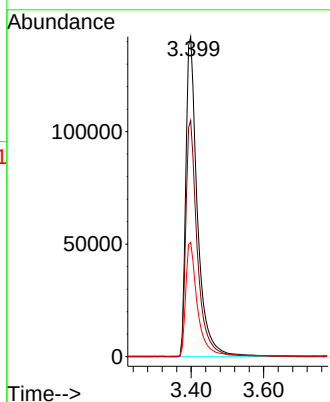
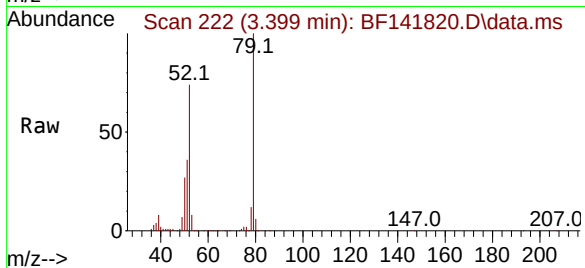
Tgt Ion: 79 Resp: 317118

Ion Ratio Lower Upper

79 100

52 73.9 59.0 88.4

51 35.7 29.0 43.4



#4

n-Nitrosodimethylamine

Concen: 34.532 ng

RT: 3.322 min Scan# 209

Delta R.T. -0.082 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

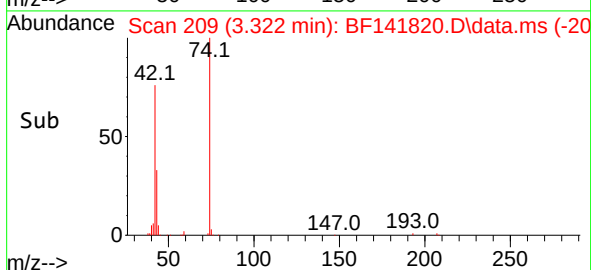
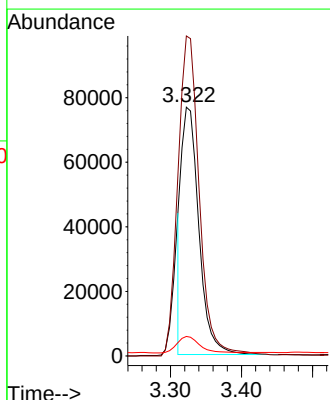
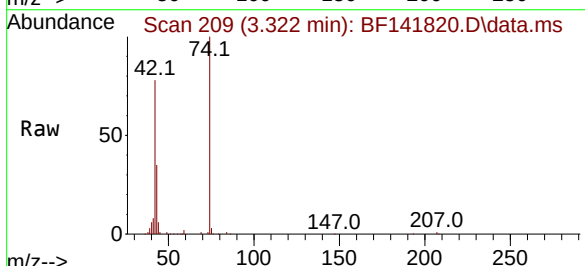
Tgt Ion: 42 Resp: 129914

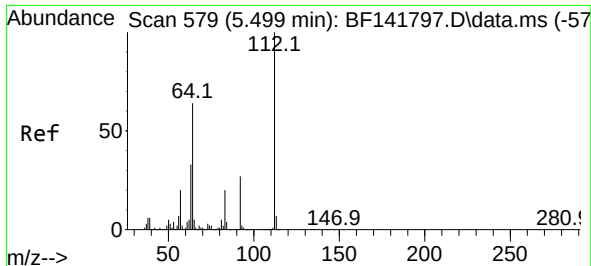
Ion Ratio Lower Upper

42 100

74 128.6 107.1 160.7

44 7.9 6.6 9.8

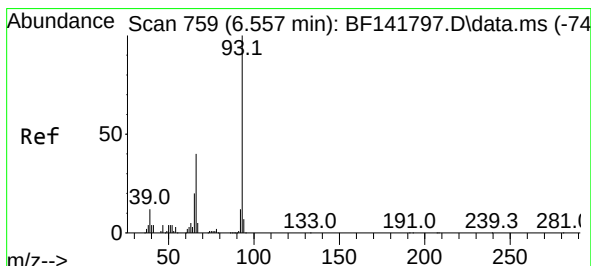
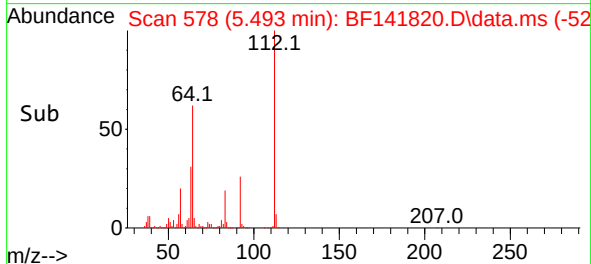
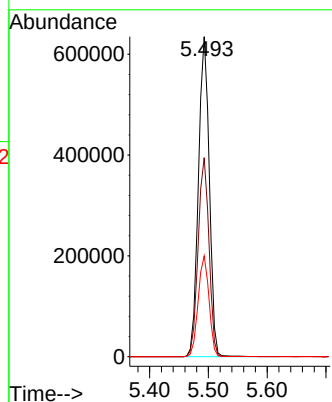
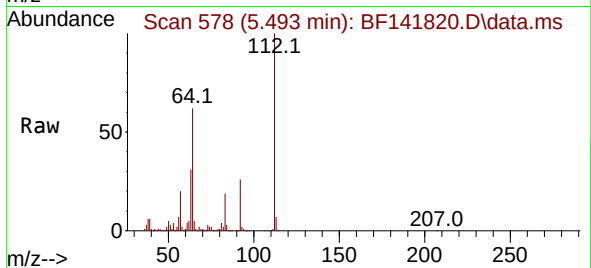




#5
2-Fluorophenol
Concen: 117.809 ng
RT: 5.493 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

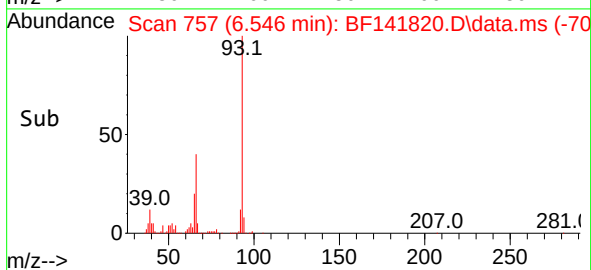
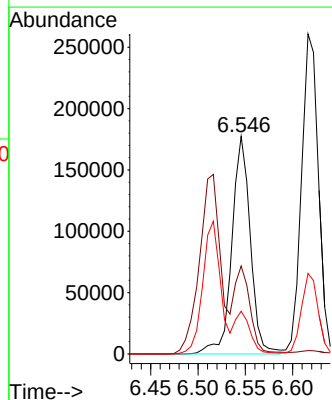
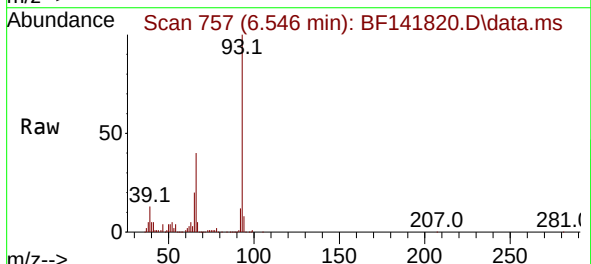
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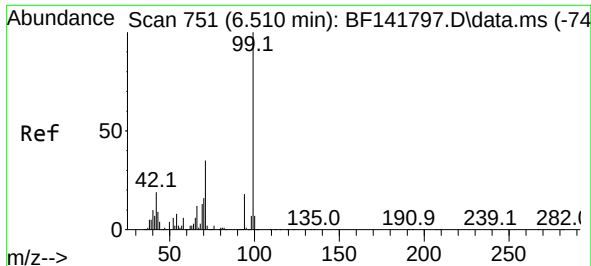
Tgt Ion:	112	Resp:	815896
Ion	Ratio	Lower	Upper
112	100		
64	62.2	51.3	76.9
63	31.5	26.2	39.4



#6
Aniline
Concen: 25.615 ng
RT: 6.546 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:	93	Resp:	240050
Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.3	48.5
65	19.7	15.9	23.9



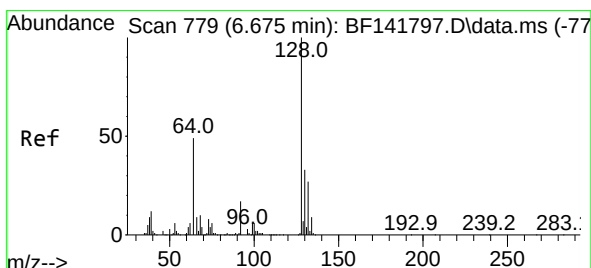
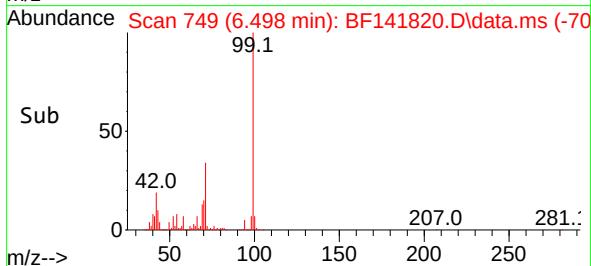
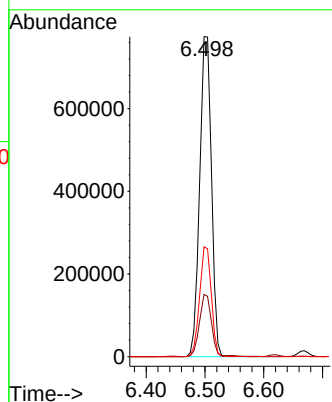
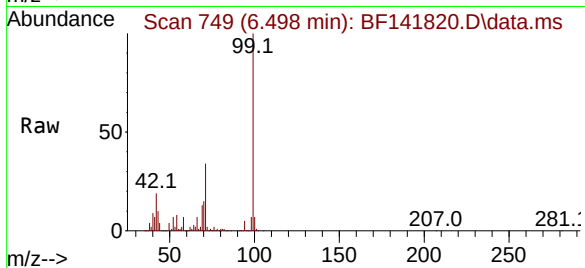


#7
Phenol-d6
Concen: 119.642 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

Tgt Ion: 99 Resp: 1078485

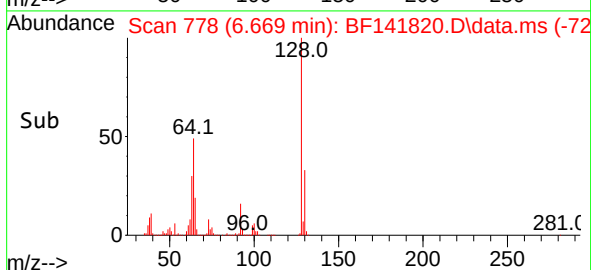
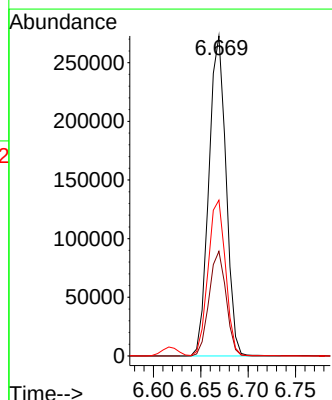
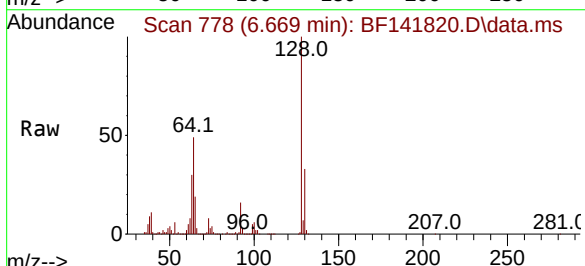
Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.2	22.8
71	34.3	28.2	42.2

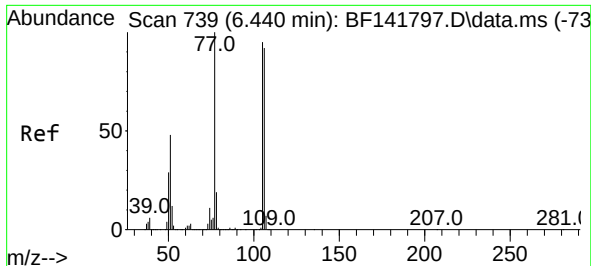


#8
2-Chlorophenol
Concen: 45.890 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:128 Resp: 343798

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	48.7	31.1	71.1

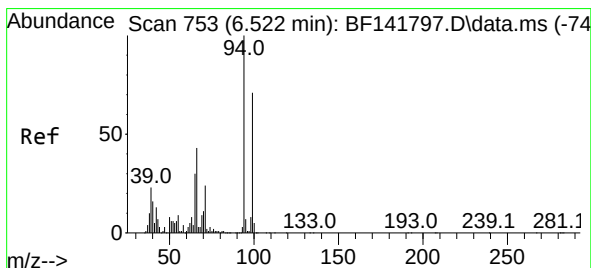
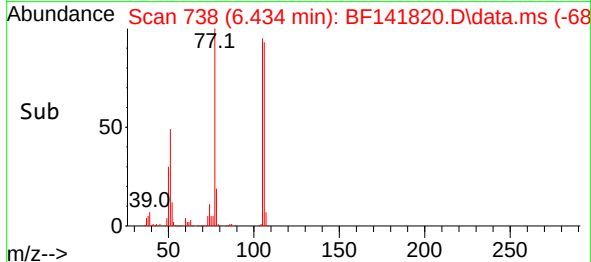
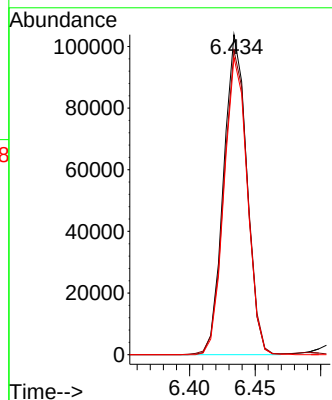
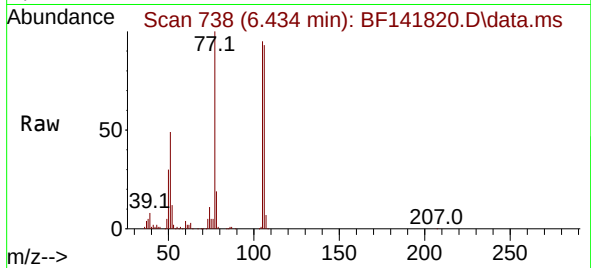




#9
Benzaldehyde
Concen: 24.309 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

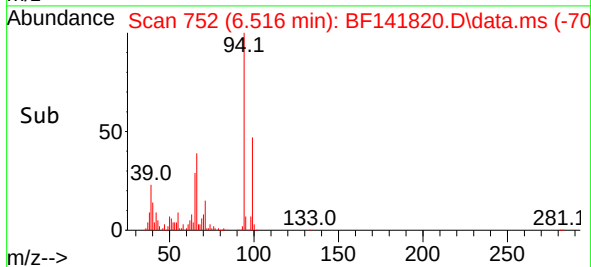
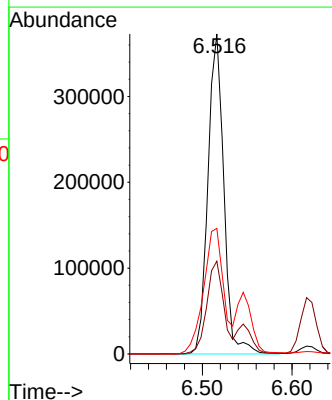
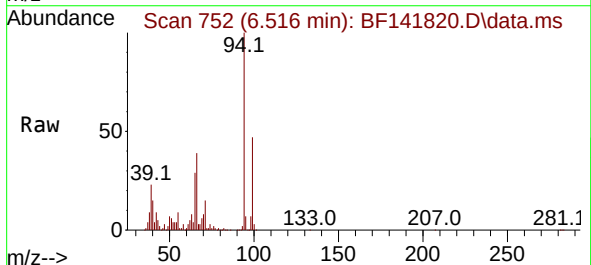
Instrument :
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ClientSampleId :
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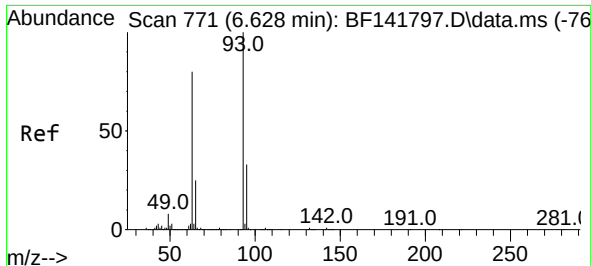
Tgt Ion: 77 Resp: 127463
Ion Ratio Lower Upper
77 100
105 95.0 75.3 115.3
106 92.8 72.3 112.3



#10
Phenol
Concen: 47.544 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion: 94 Resp: 457969
Ion Ratio Lower Upper
94 100
65 29.0 10.2 50.2
66 39.2 23.2 63.2





#11

bis(2-Chloroethyl)ether

Concen: 44.059 ng

RT: 6.616 min Scan# 7

Delta R.T. -0.012 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

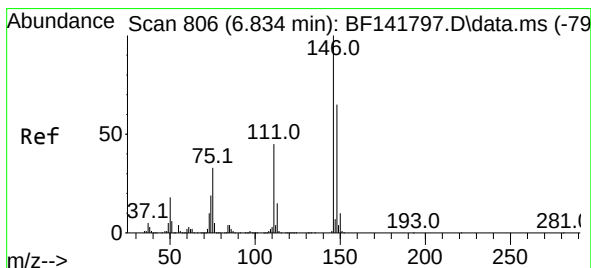
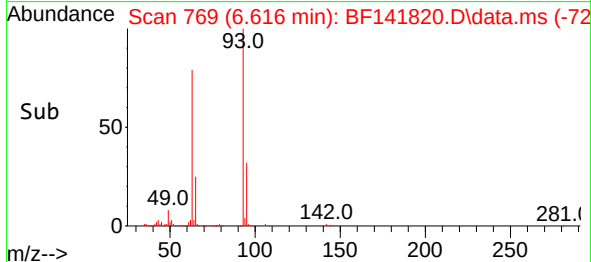
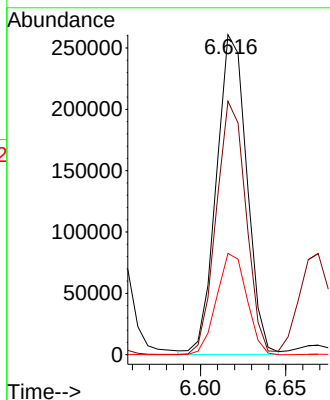
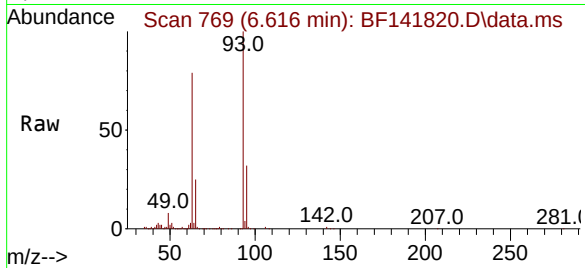
Tgt Ion: 93 Resp: 323506

Ion Ratio Lower Upper

93 100

63 79.2 59.3 99.3

95 31.6 13.2 53.2



#12

1,3-Dichlorobenzene

Concen: 44.490 ng

RT: 6.828 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

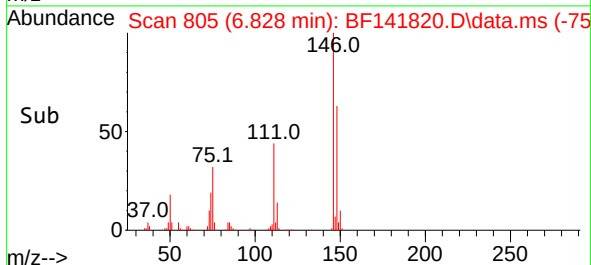
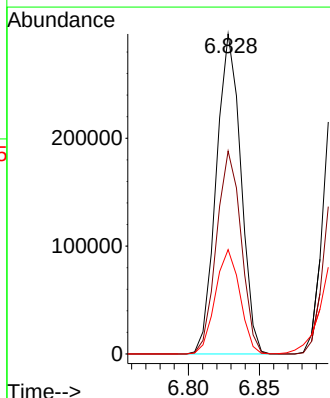
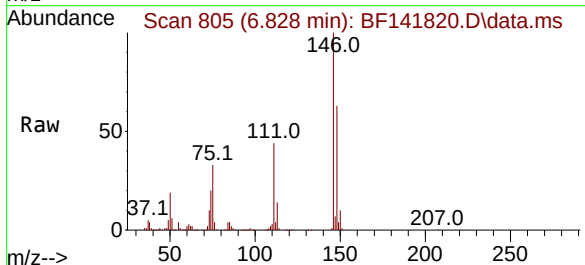
Tgt Ion:146 Resp: 356948

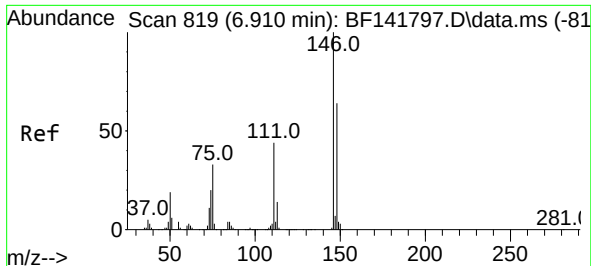
Ion Ratio Lower Upper

146 100

148 63.4 51.8 77.6

75 32.6 26.2 39.4

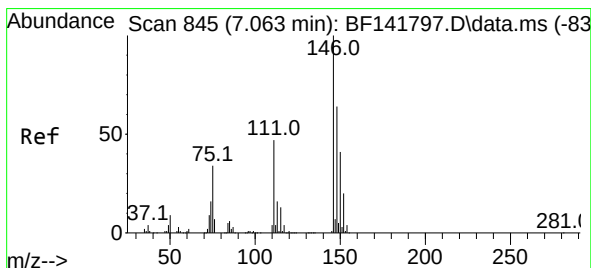
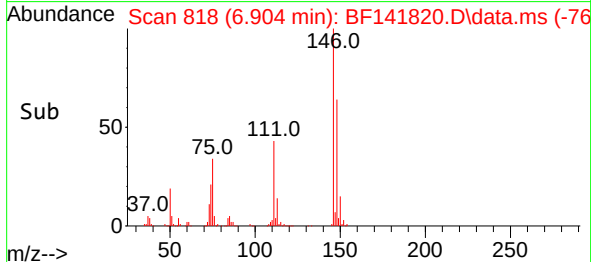
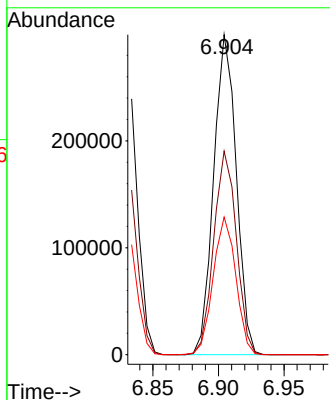
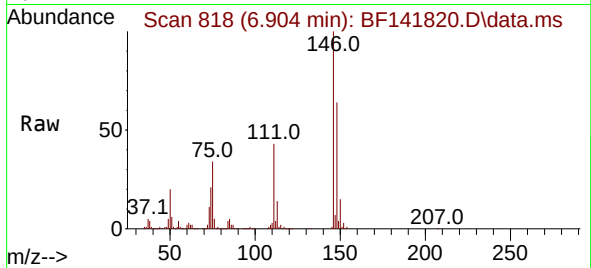




#13
1,4-Dichlorobenzene
Concen: 44.337 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

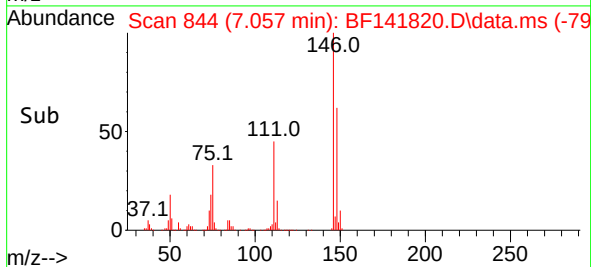
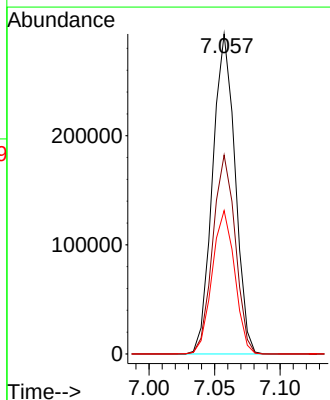
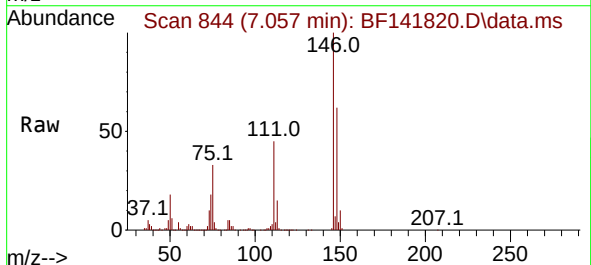
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

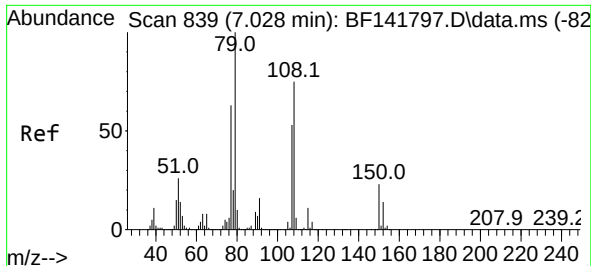
Tgt Ion:146 Resp: 358427
Ion Ratio Lower Upper
146 100
148 63.6 51.4 77.2
111 43.0 35.5 53.3



#14
1,2-Dichlorobenzene
Concen: 46.332 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:146 Resp: 349753
Ion Ratio Lower Upper
146 100
148 62.1 51.2 76.8
111 44.8 37.8 56.6

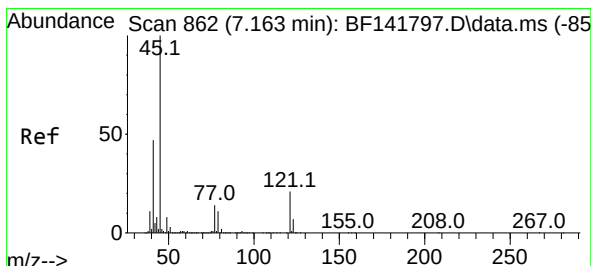
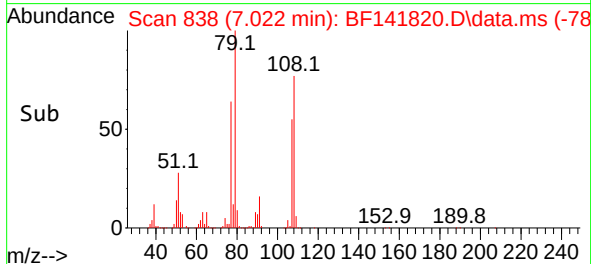
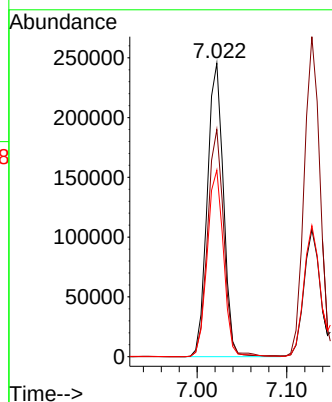
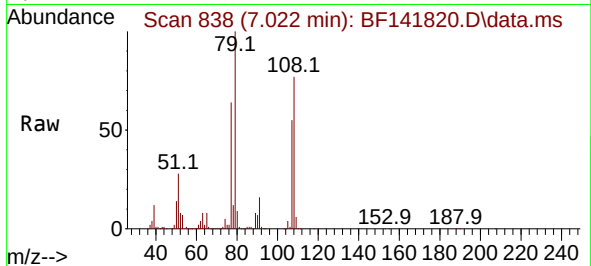




#15
Benzyl Alcohol
Concen: 42.680 ng
RT: 7.022 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

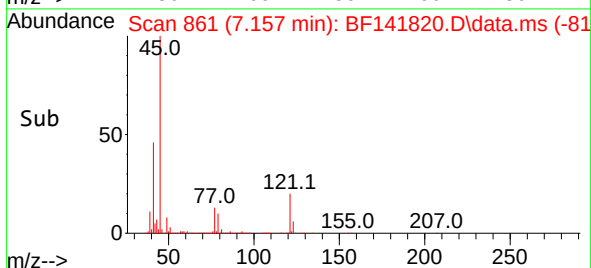
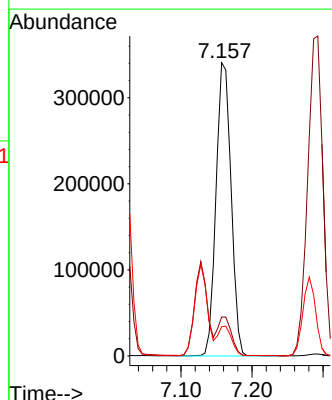
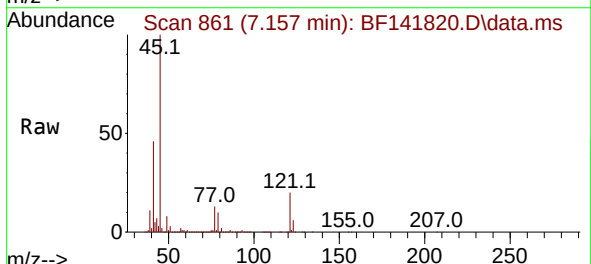
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

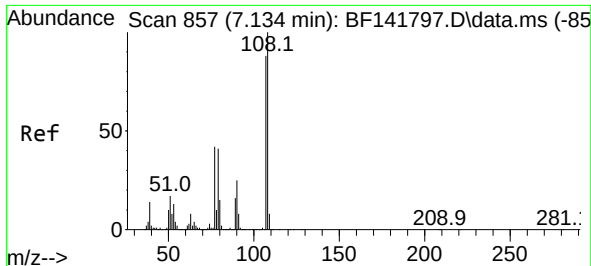
Tgt Ion: 79 Resp: 307475
Ion Ratio Lower Upper
79 100
108 77.4 60.2 90.2
77 63.6 50.2 75.2



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.773 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion: 45 Resp: 499260
Ion Ratio Lower Upper
45 100
77 13.3 0.0 34.4
79 10.0 0.0 30.9



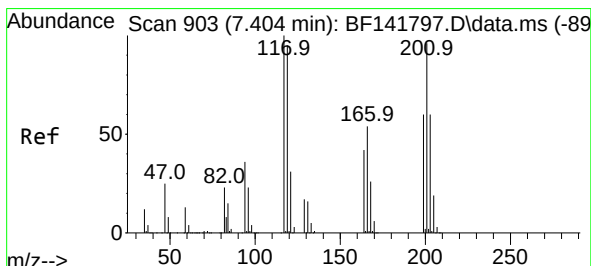
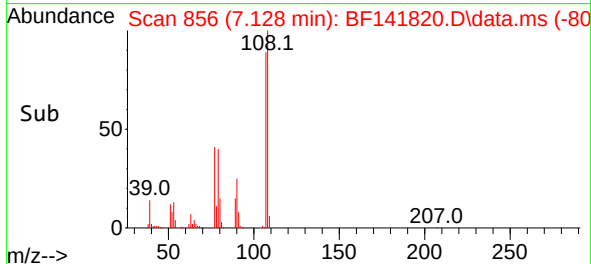
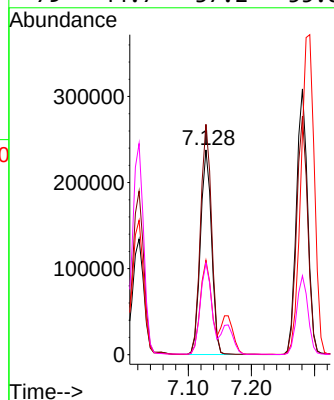
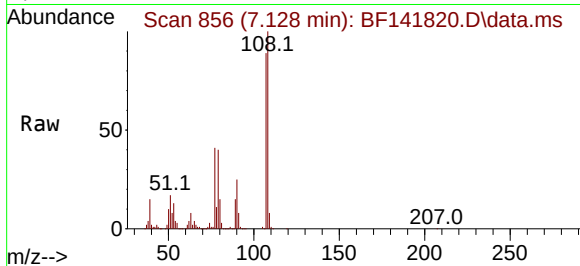


#17
2-Methylphenol
Concen: 46.893 ng
RT: 7.128 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

Tgt Ion:107 Resp: 289987

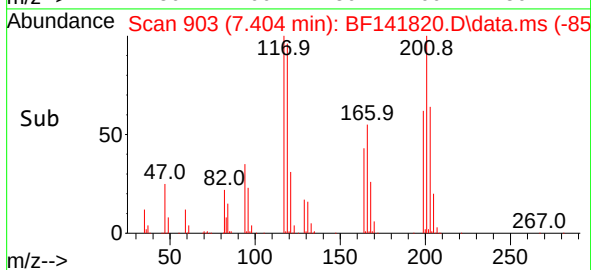
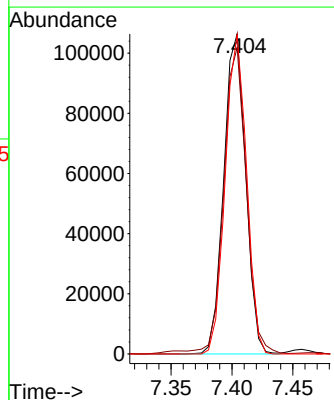
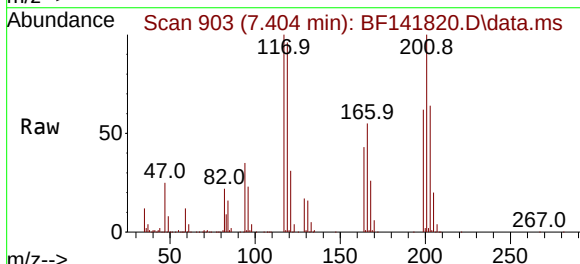
Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.6	135.8
77	46.1	37.7	56.5
79	44.7	37.2	55.8

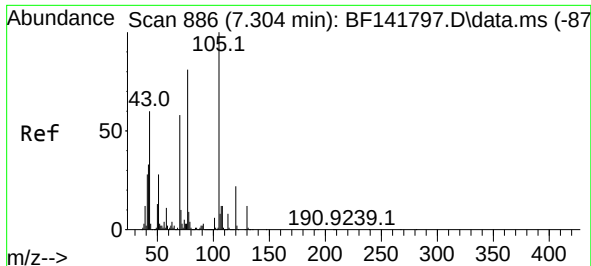


#18
Hexachloroethane
Concen: 44.073 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:117 Resp: 133353

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.8	113.8
201	99.7	76.7	115.1

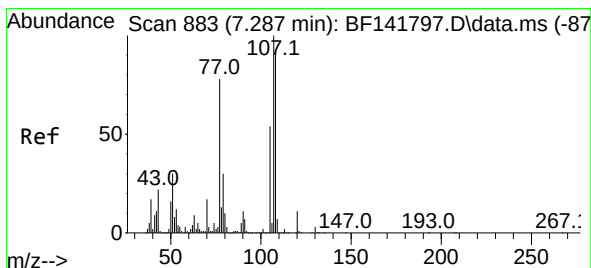
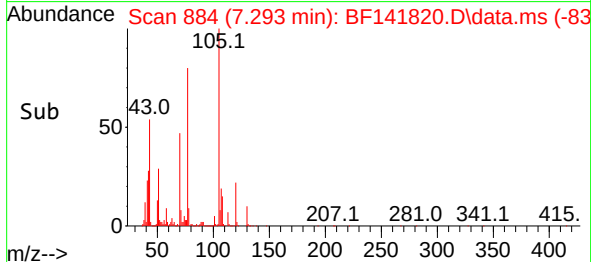
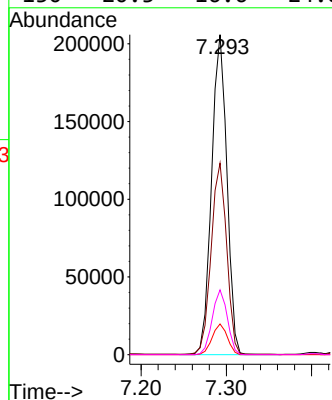
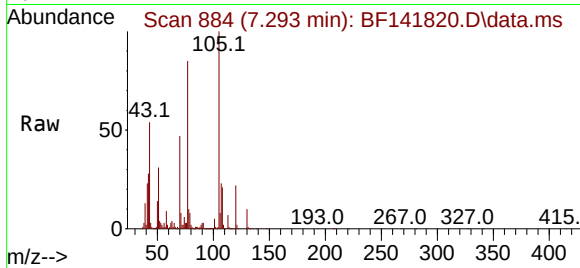




#19
n-Nitroso-di-n-propylamine
Concen: 43.327 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

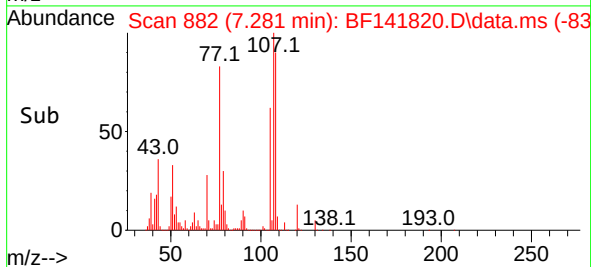
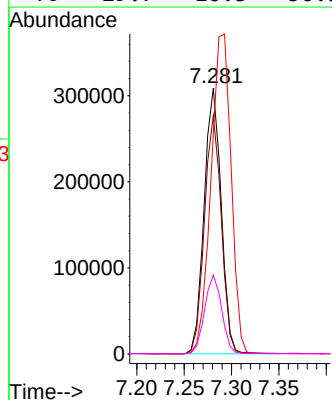
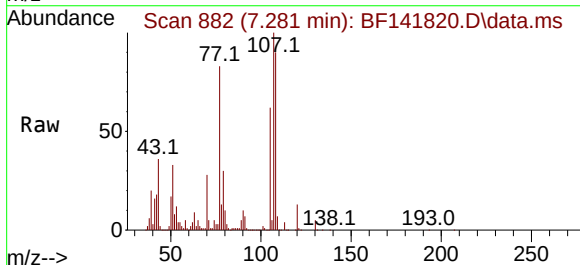
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

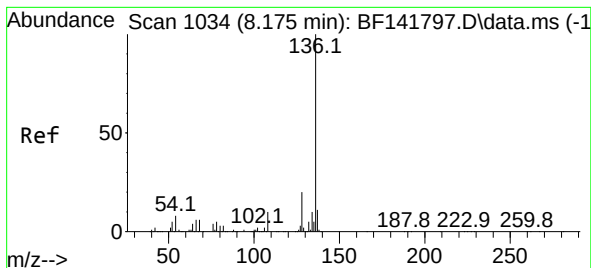
Tgt Ion: 70 Resp: 256742
Ion Ratio Lower Upper
70 100
42 59.9 45.4 68.0
101 9.6 7.8 11.8
130 20.3 16.6 24.8



#20
3+4-Methylphenols
Concen: 50.017 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion: 107 Resp: 385146
Ion Ratio Lower Upper
107 100
108 89.7 69.7 109.7
77 82.9 58.3 98.3
79 29.7 10.3 50.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

Tgt Ion:136 Resp: 472405

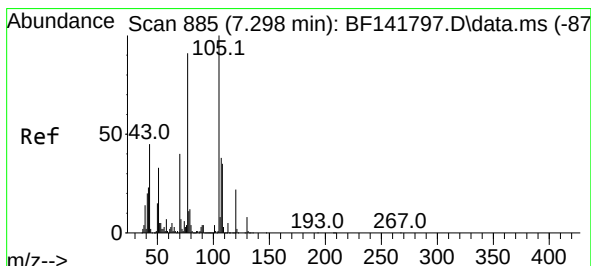
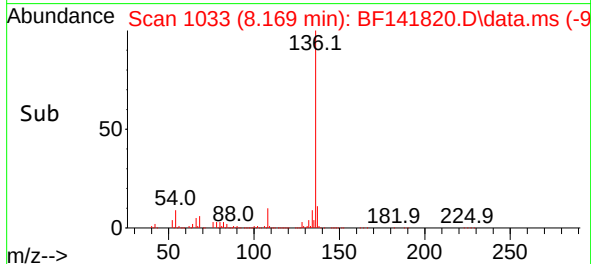
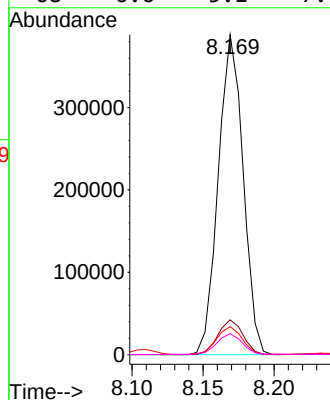
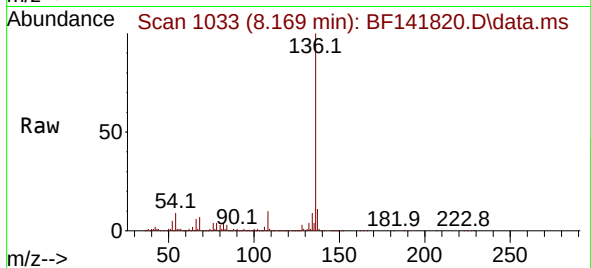
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.8 6.9 10.3

68 6.6 5.1 7.7



#22

Acetophenone

Concen: 47.207 ng

RT: 7.293 min Scan# 884

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Tgt Ion:105 Resp: 543135

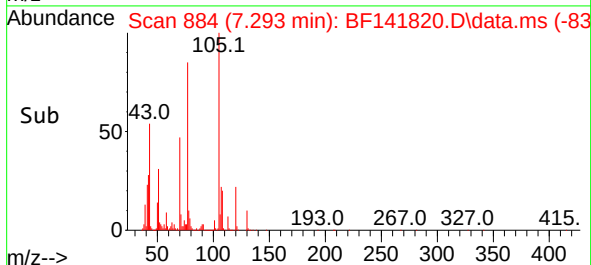
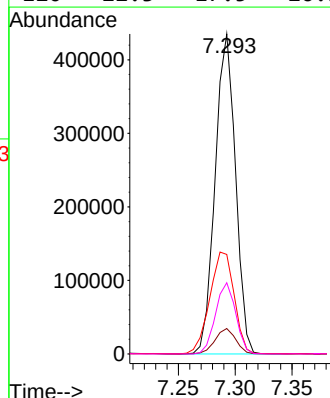
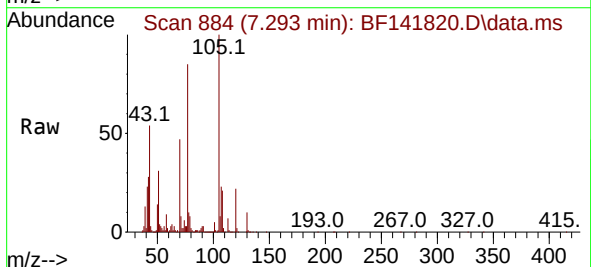
Ion Ratio Lower Upper

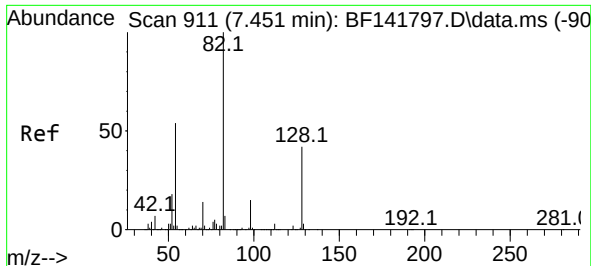
105 100

71 7.9 5.4 8.0

51 31.1 26.1 39.1

120 22.3 17.5 26.3





#23

Nitrobenzene-d5

Concen: 89.987 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

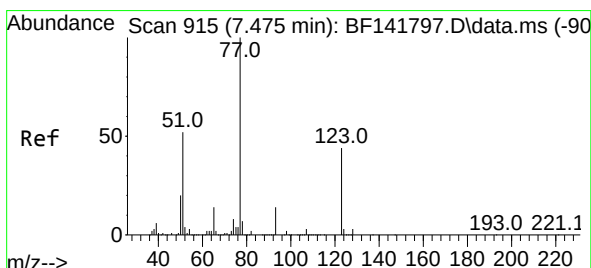
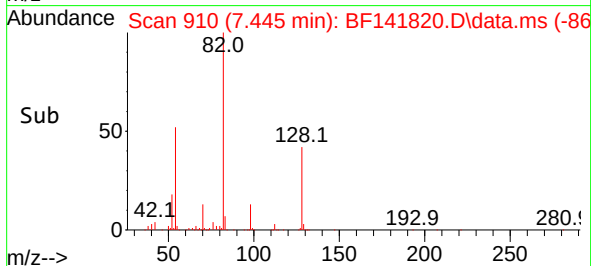
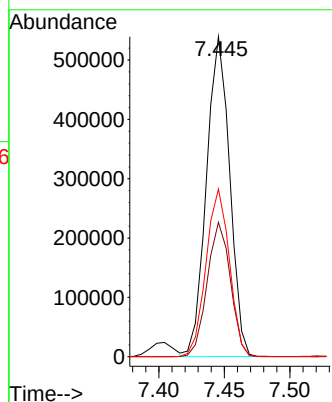
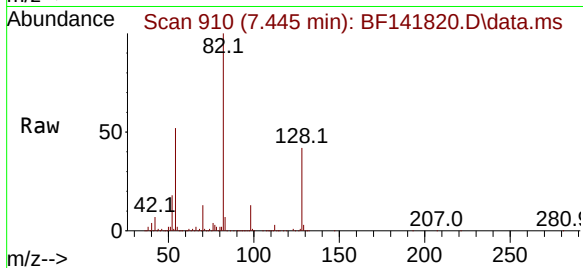
Tgt Ion: 82 Resp: 665051

Ion Ratio Lower Upper

82 100

128 42.0 33.5 50.3

54 52.4 42.7 64.1



#24

Nitrobenzene

Concen: 47.692 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

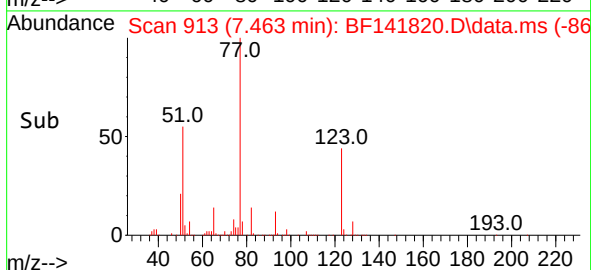
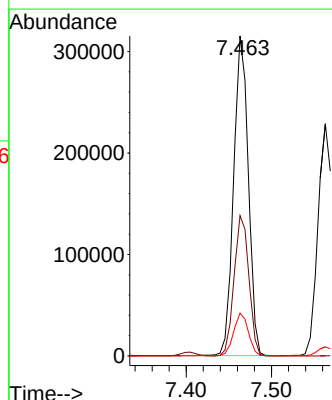
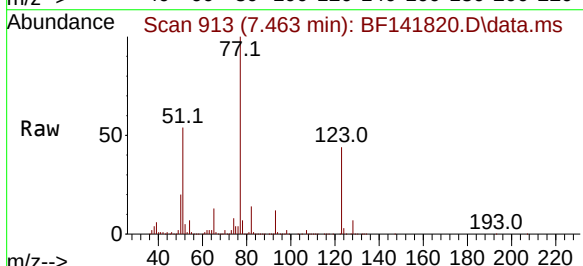
Tgt Ion: 77 Resp: 377448

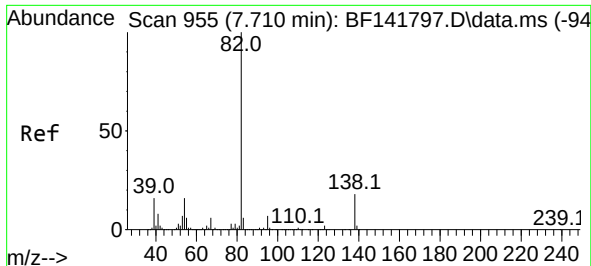
Ion Ratio Lower Upper

77 100

123 43.9 35.8 53.8

65 13.4 11.2 16.8

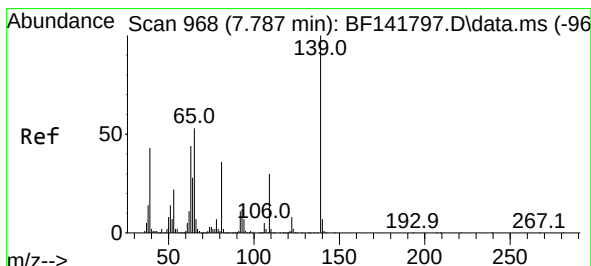
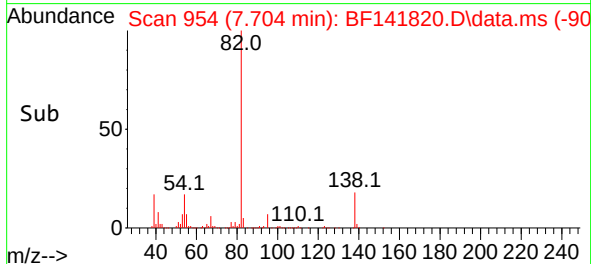
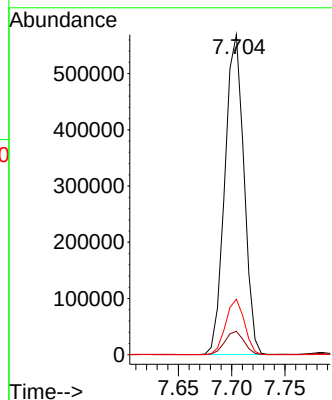
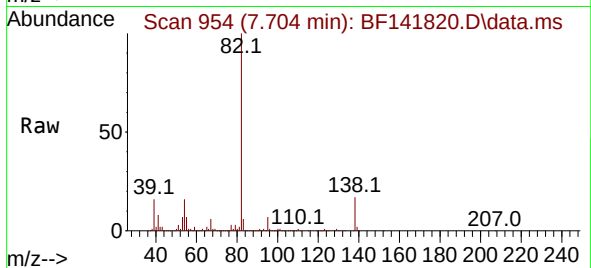




#25
Isophorone
Concen: 44.519 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

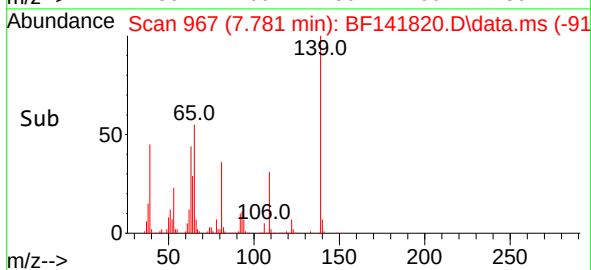
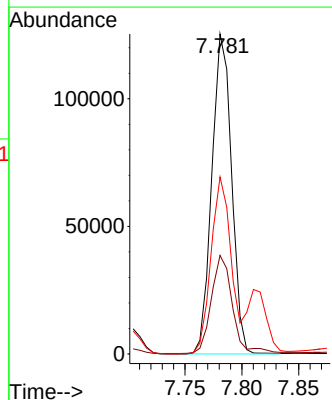
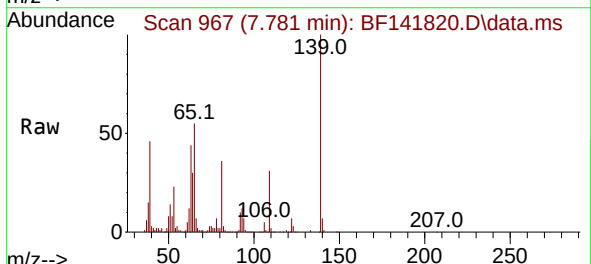
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

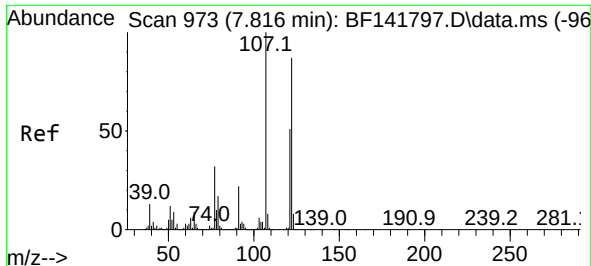
Tgt Ion: 82 Resp: 706853
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 17.4 14.0 21.0



#26
2-Nitrophenol
Concen: 43.330 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:139 Resp: 151460
Ion Ratio Lower Upper
139 100
109 30.8 24.1 36.1
65 55.3 42.3 63.5





#27

2,4-Dimethylphenol

Concen: 54.742 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF141820.D

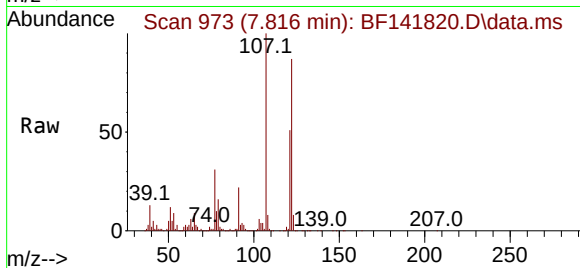
Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD



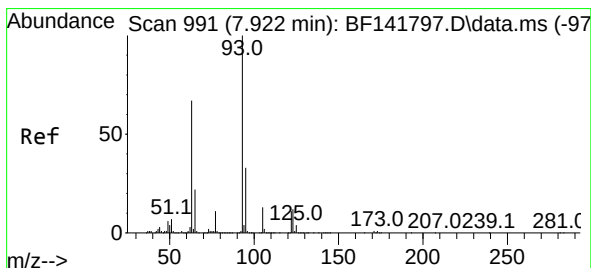
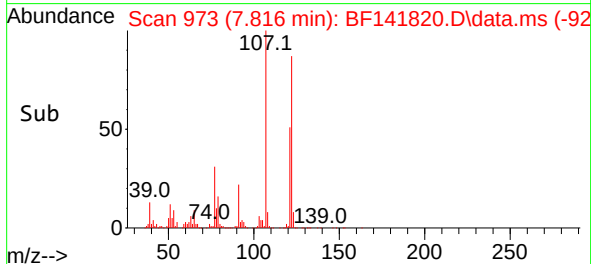
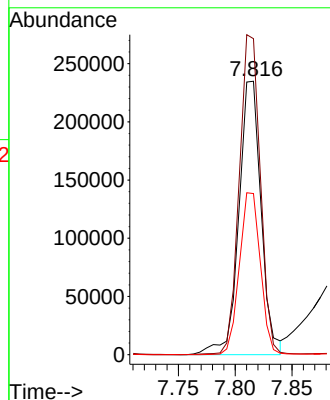
Tgt Ion:122 Resp: 319502

Ion Ratio Lower Upper

122 100

107 115.6 92.5 138.7

121 58.9 47.1 70.7



#28

bis(2-Chloroethoxy)methane

Concen: 41.325 ng

RT: 7.916 min Scan# 990

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

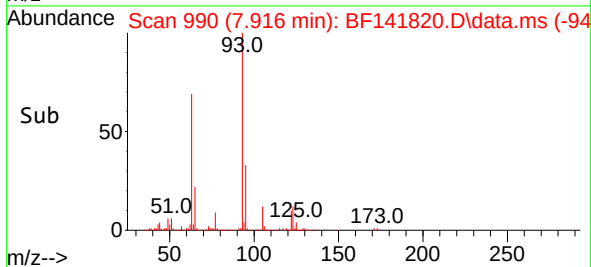
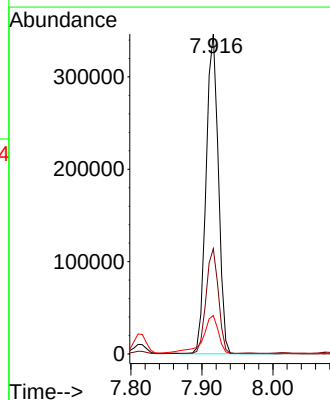
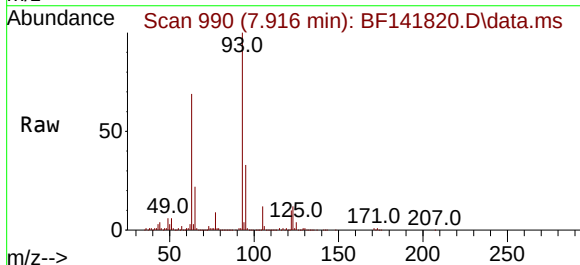
Tgt Ion: 93 Resp: 418550

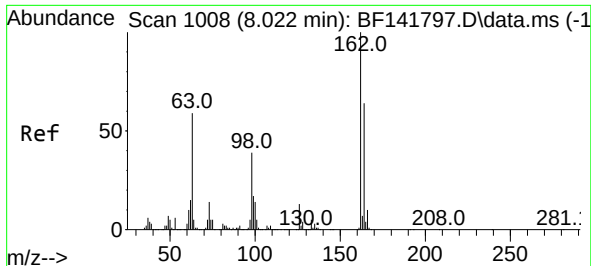
Ion Ratio Lower Upper

93 100

95 32.9 26.5 39.7

123 12.0 10.0 15.0





#29

2,4-Dichlorophenol

Concen: 46.958 ng

RT: 8.016 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

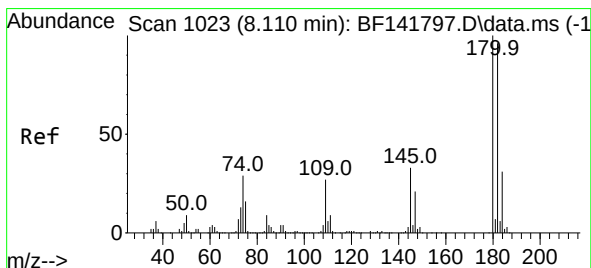
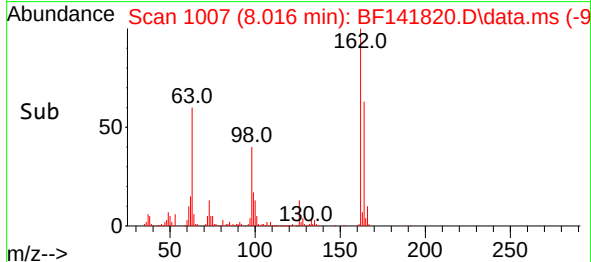
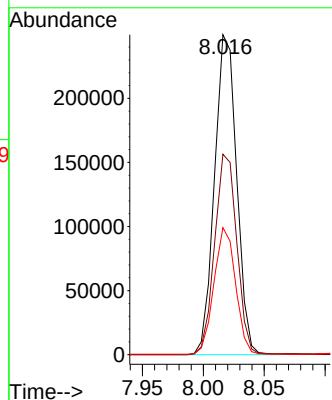
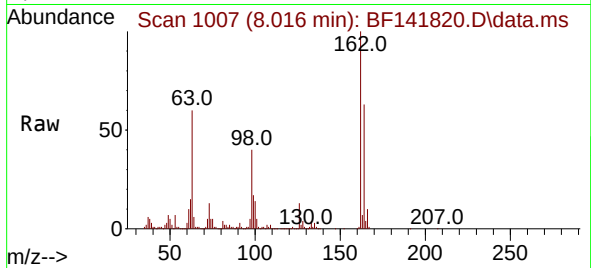
Tgt Ion:162 Resp: 316178

Ion Ratio Lower Upper

162 100

164 62.7 44.3 84.3

98 39.7 19.6 59.6



#30

1,2,4-Trichlorobenzene

Concen: 43.803 ng

RT: 8.110 min Scan# 1023

Delta R.T. 0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

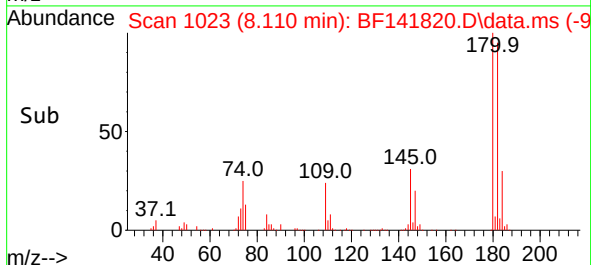
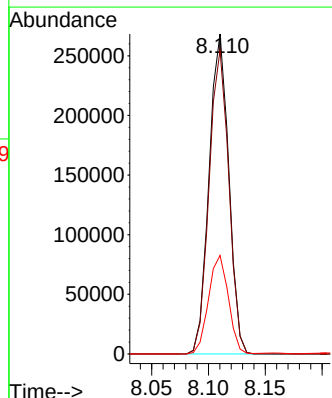
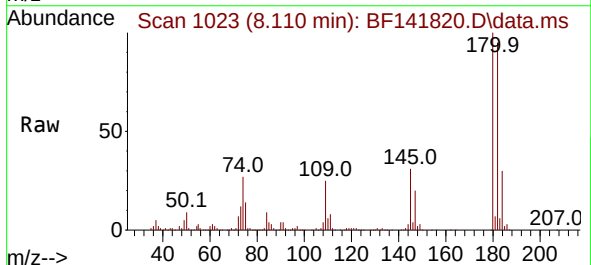
Tgt Ion:180 Resp: 323179

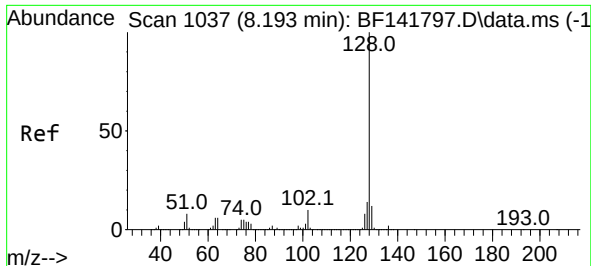
Ion Ratio Lower Upper

180 100

182 95.0 76.8 115.2

145 30.8 26.4 39.6

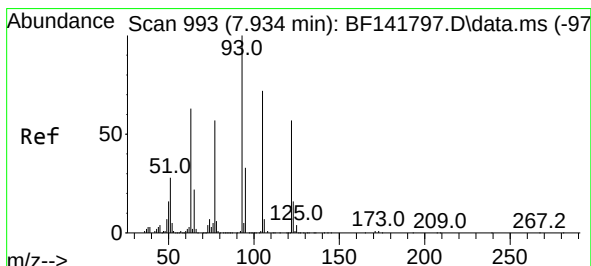
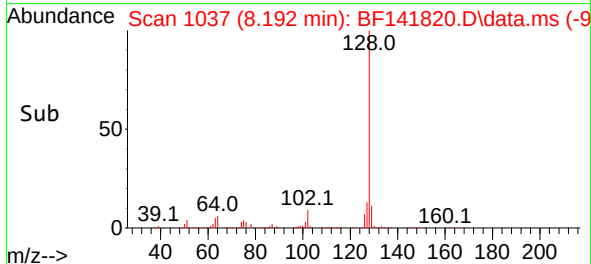
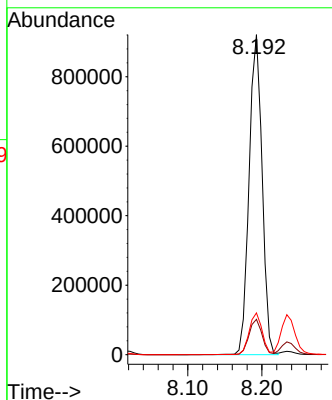
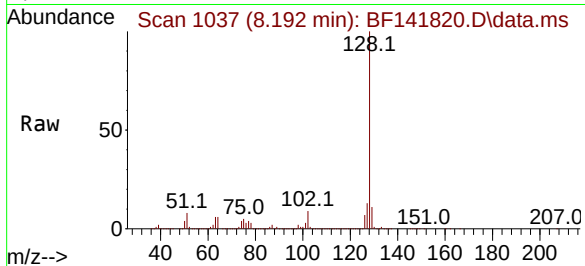




#31
Naphthalene
Concen: 46.120 ng
RT: 8.192 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

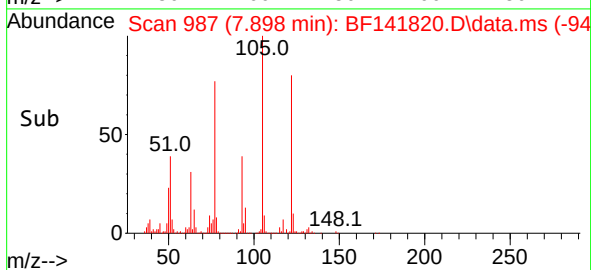
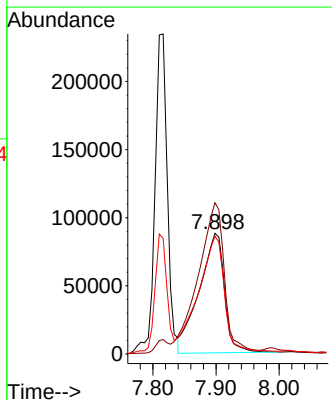
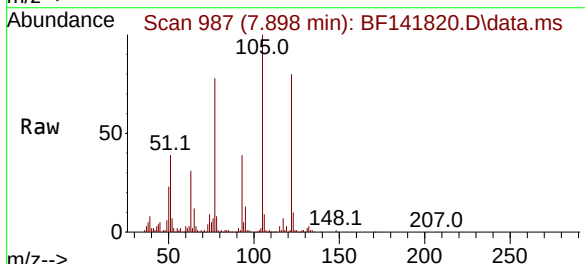
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

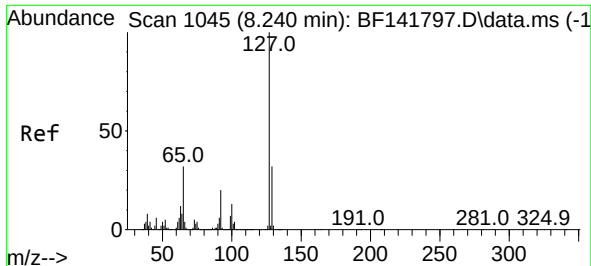
Tgt Ion:128 Resp: 1119771
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 13.1 11.0 16.4



#32
Benzoic acid
Concen: 49.810 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.036 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:122 Resp: 244327
Ion Ratio Lower Upper
122 100
105 125.4 105.8 145.8
77 97.6 79.9 119.9

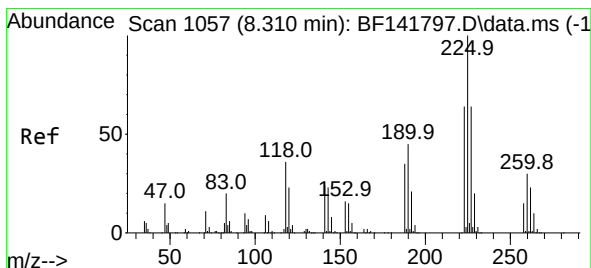
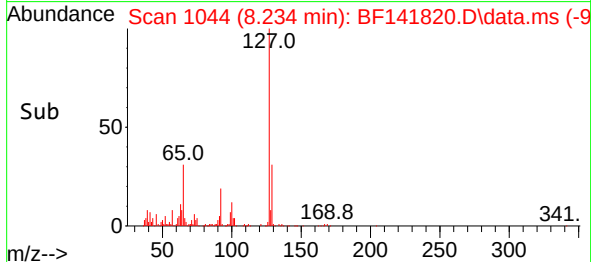
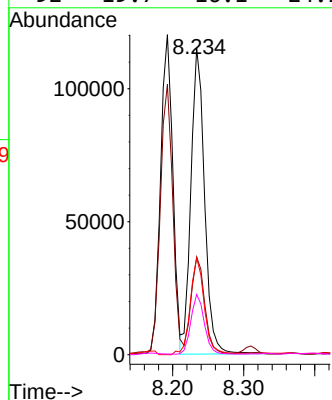
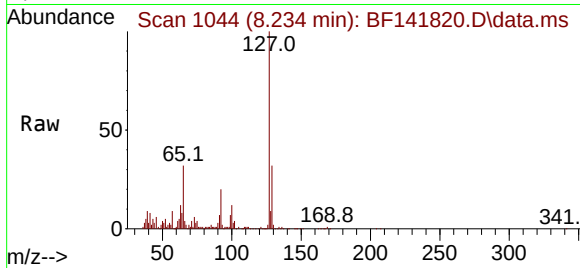




#33
4-Chloroaniline
Concen: 17.267 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

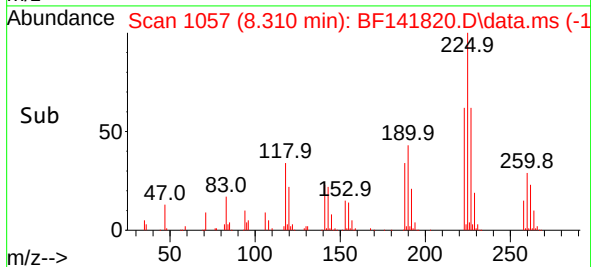
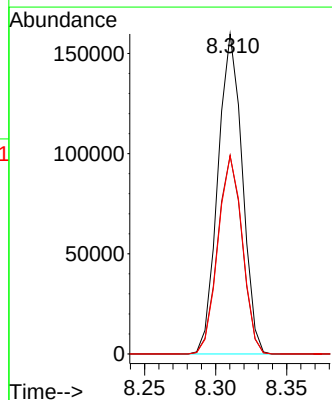
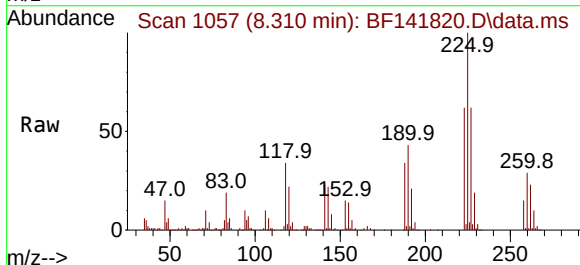
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

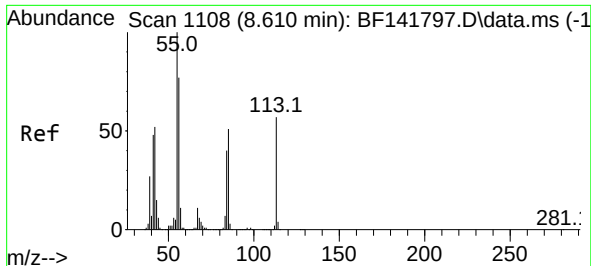
Tgt Ion:	127	Resp:	153722
Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.1	39.1
65	31.6	25.7	38.5
92	19.7	16.1	24.1



#34
Hexachlorobutadiene
Concen: 41.548 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:	225	Resp:	190488
Ion	Ratio	Lower	Upper
225	100		
223	62.0	51.4	77.2
227	61.9	51.6	77.4

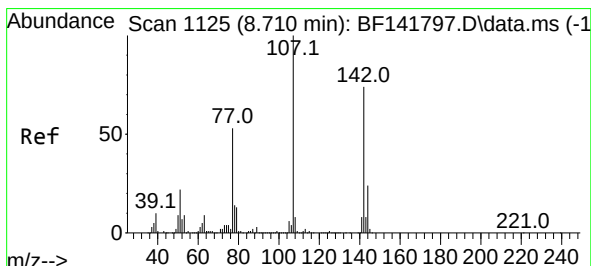
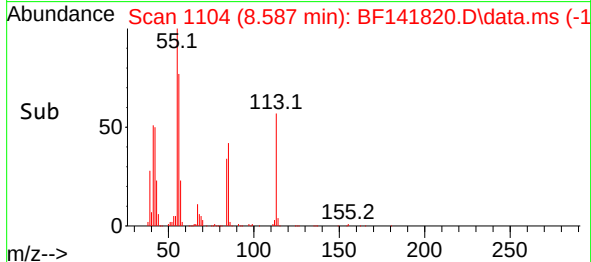
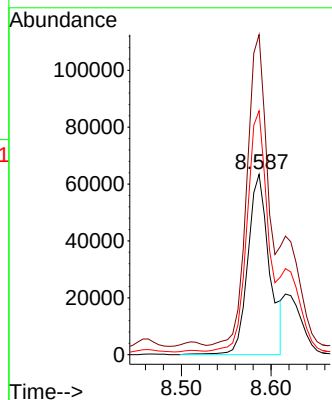
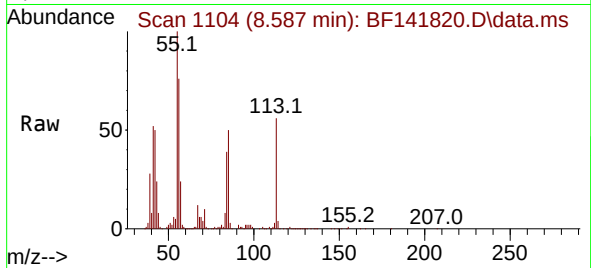




#35
 Caprolactam
 Concen: 50.938 ng
 RT: 8.587 min Scan# 1108
 Delta R.T. -0.024 min
 Lab File: BF141820.D
 Acq: 03 Mar 2025 18:45

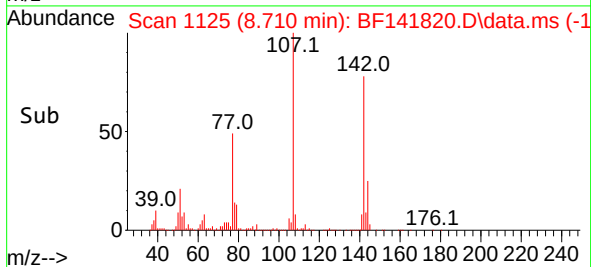
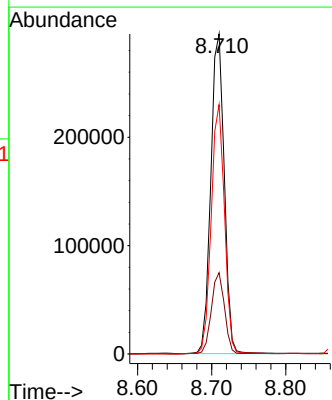
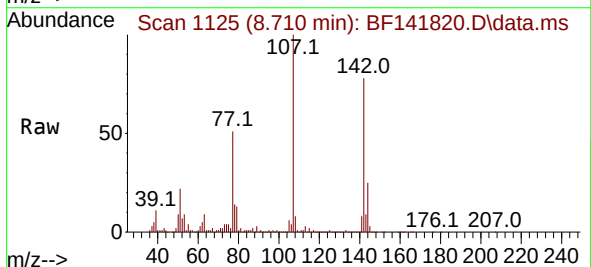
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02282025MSD

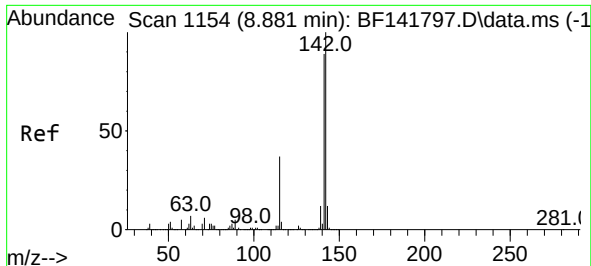
Tgt Ion:113 Resp: 105510
 Ion Ratio Lower Upper
 113 100
 55 177.4 155.6 195.6
 56 135.2 114.6 154.6



#36
 4-Chloro-3-methylphenol
 Concen: 49.685 ng
 RT: 8.710 min Scan# 1125
 Delta R.T. -0.000 min
 Lab File: BF141820.D
 Acq: 03 Mar 2025 18:45

Tgt Ion:107 Resp: 371626
 Ion Ratio Lower Upper
 107 100
 144 25.4 19.4 29.0
 142 77.9 59.4 89.0

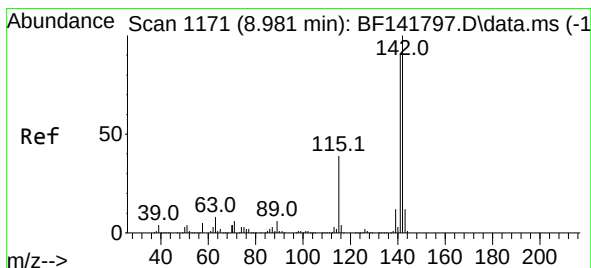
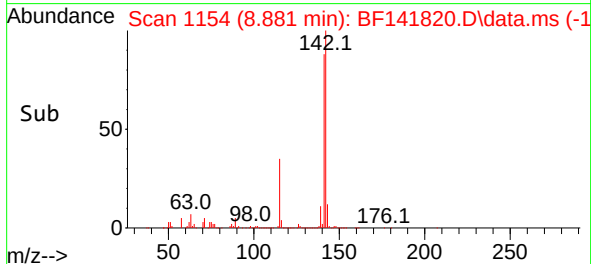
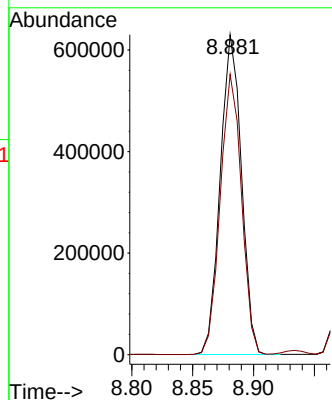
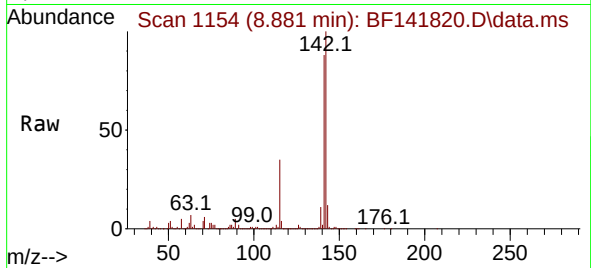




#37
2-Methylnaphthalene
Concen: 47.924 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

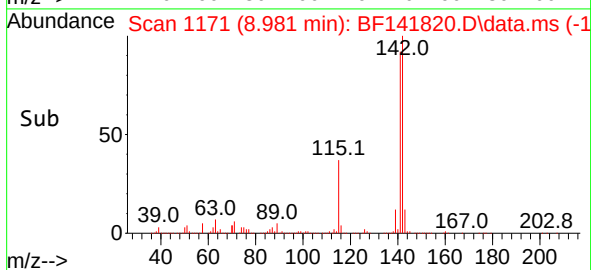
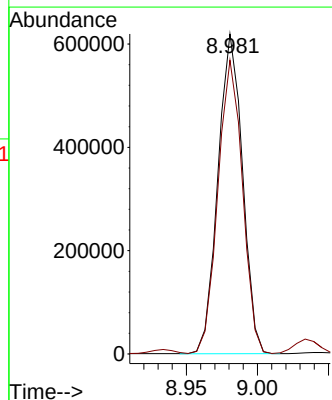
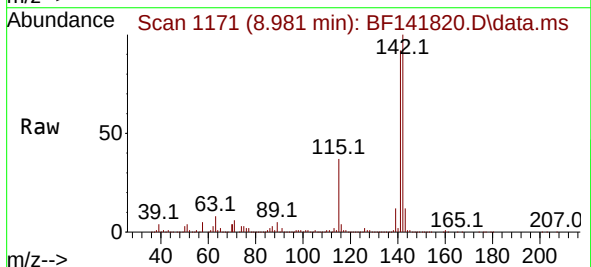
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

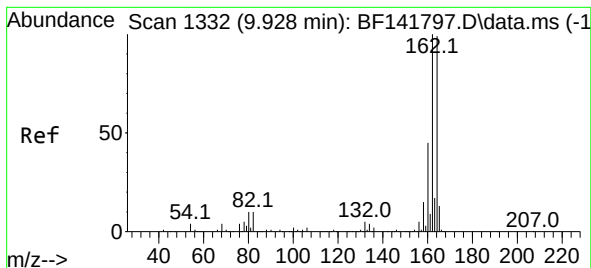
Tgt Ion:142 Resp: 763209
Ion Ratio Lower Upper
142 100
141 87.6 71.1 106.7



#38
1-Methylnaphthalene
Concen: 48.624 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:142 Resp: 743009
Ion Ratio Lower Upper
142 100
141 91.8 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

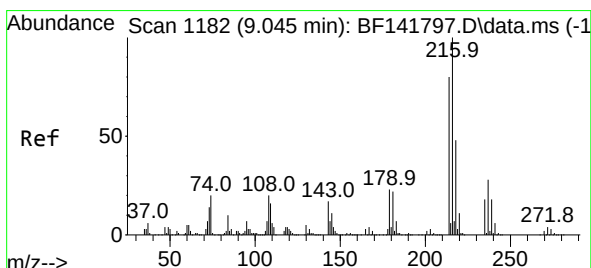
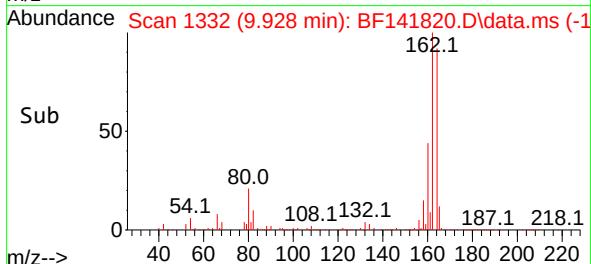
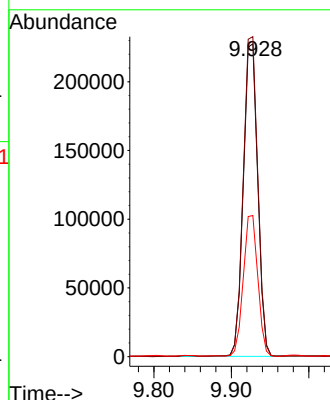
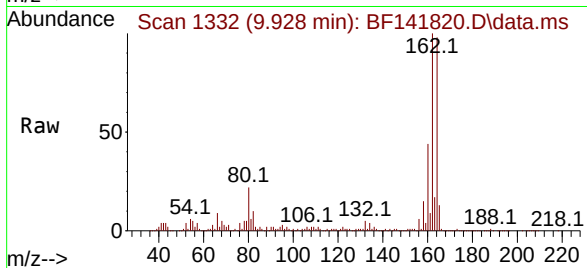
Tgt Ion:164 Resp: 295427

Ion Ratio Lower Upper

164 100

162 102.3 80.6 120.8

160 45.1 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 44.872 ng

RT: 9.045 min Scan# 1182

Delta R.T. 0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Tgt Ion:216 Resp: 382857

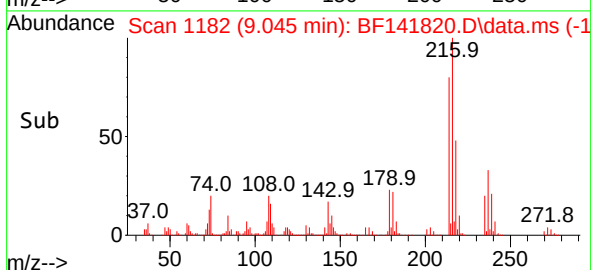
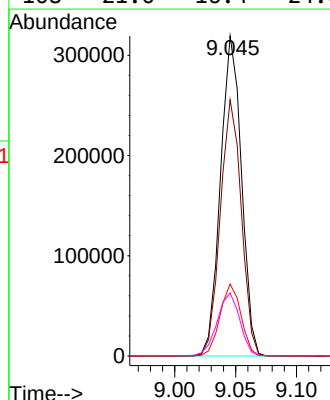
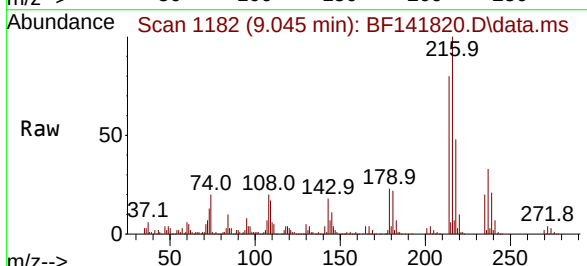
Ion Ratio Lower Upper

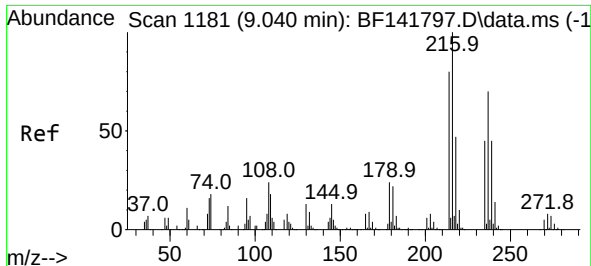
216 100

214 79.9 63.5 95.3

179 22.4 18.1 27.1

108 21.0 16.4 24.6

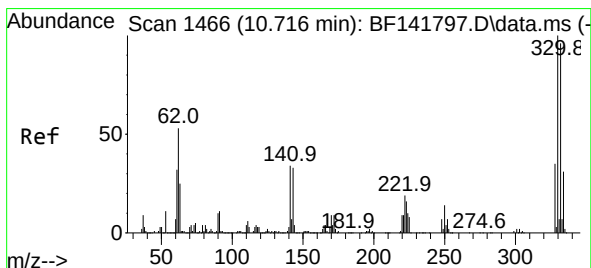
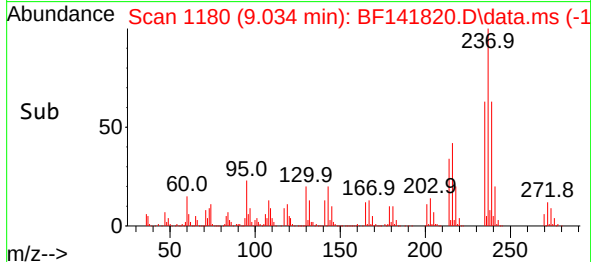
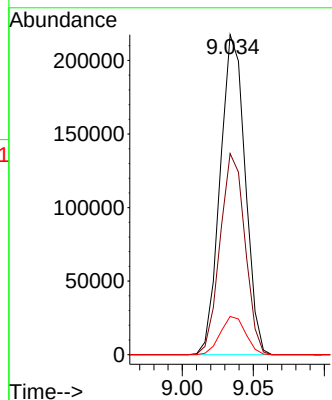
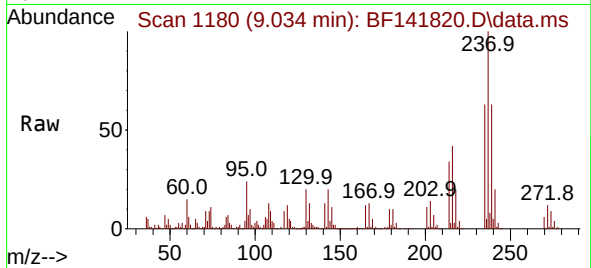




#41
Hexachlorocyclopentadiene
Concen: 74.660 ng
RT: 9.034 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

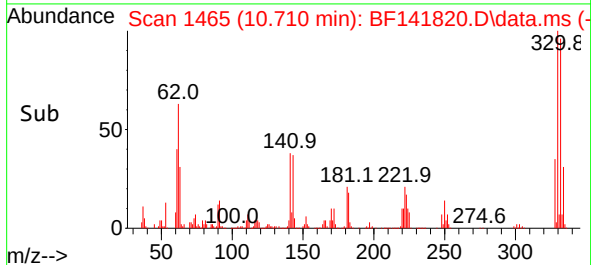
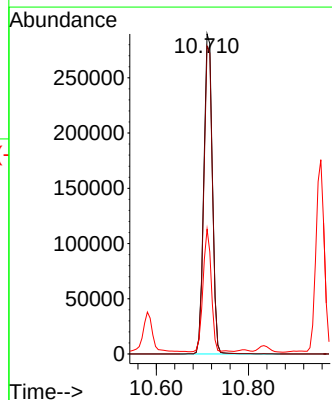
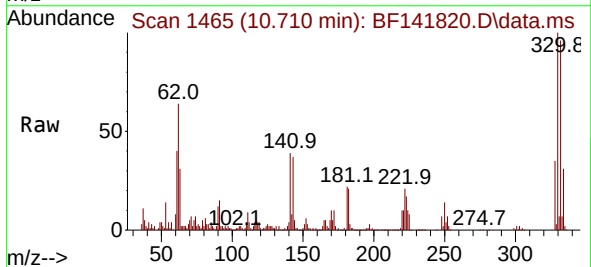
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

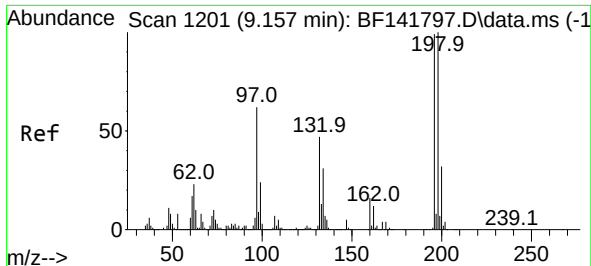
Tgt Ion:237 Resp: 265844
Ion Ratio Lower Upper
237 100
235 62.8 43.3 83.3
272 12.0 0.0 31.9



#42
2,4,6-Tribromophenol
Concen: 136.207 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:330 Resp: 377774
Ion Ratio Lower Upper
330 100
332 96.3 76.6 115.0
141 36.6 29.0 43.4





#43

2,4,6-Trichlorophenol

Concen: 45.681 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

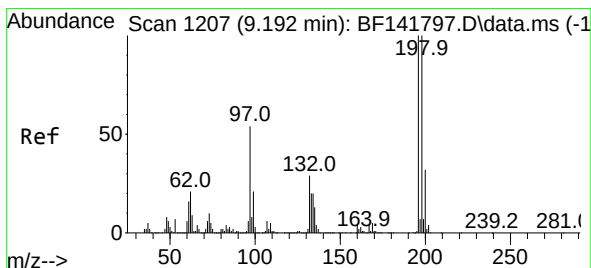
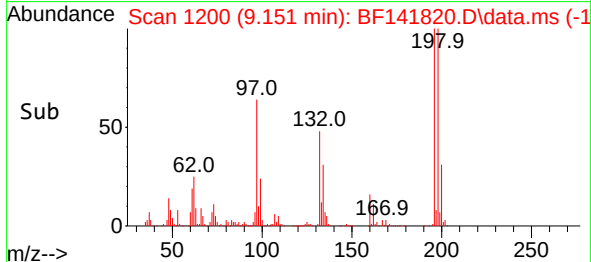
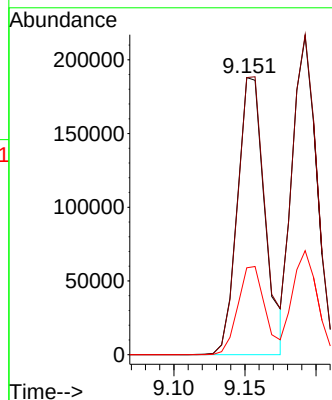
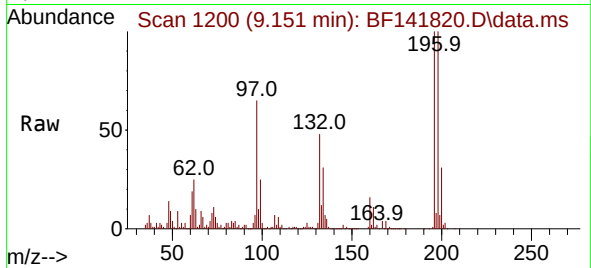
Tgt Ion:196 Resp: 251773

Ion Ratio Lower Upper

196 100

198 100.0 80.4 120.6

200 31.3 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 47.662 ng

RT: 9.192 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Tgt Ion:196 Resp: 260124

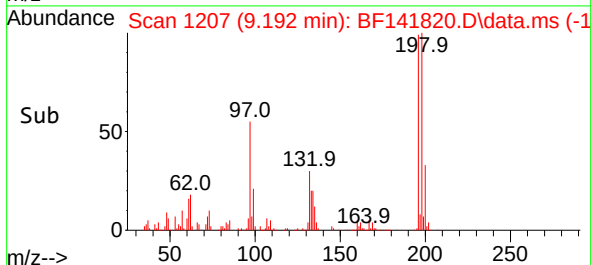
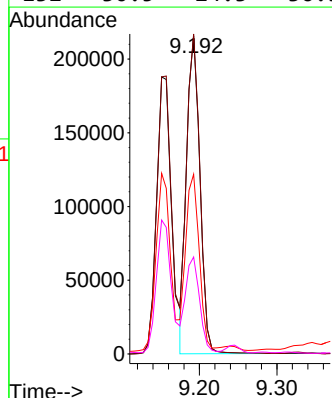
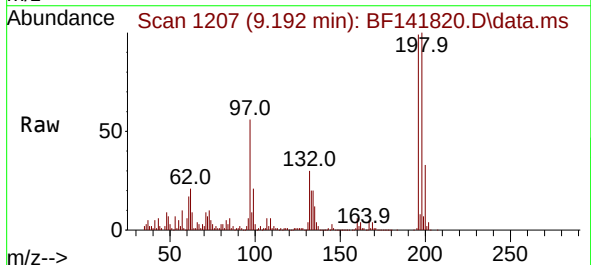
Ion Ratio Lower Upper

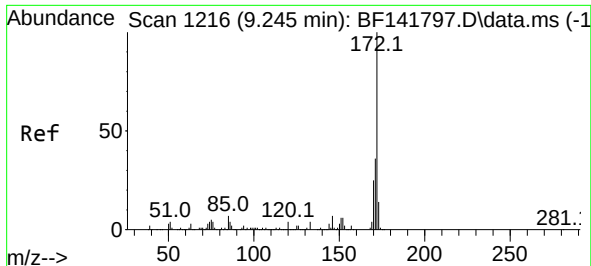
196 100

198 100.6 79.7 119.5

97 56.5 44.2 66.2

132 30.5 24.3 36.5

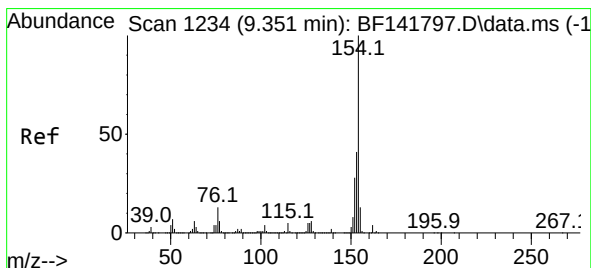
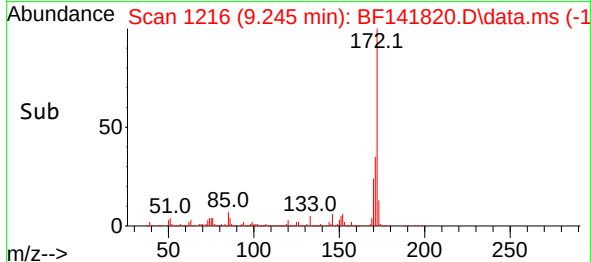
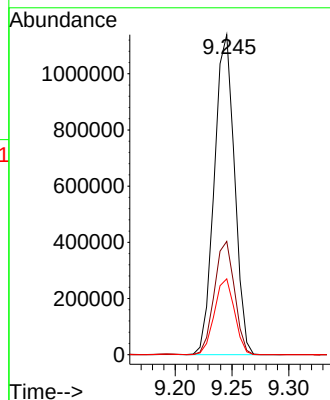
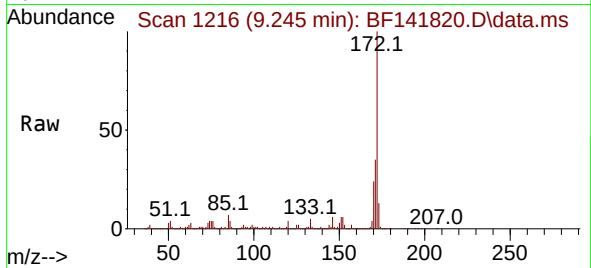




#45
2-Fluorobiphenyl
Concen: 76.362 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

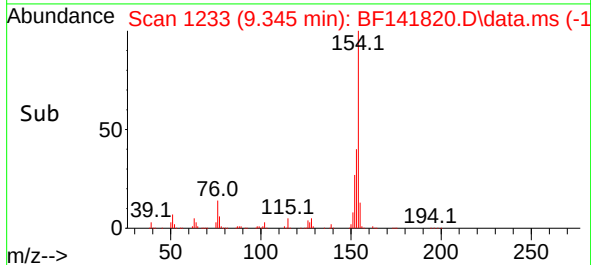
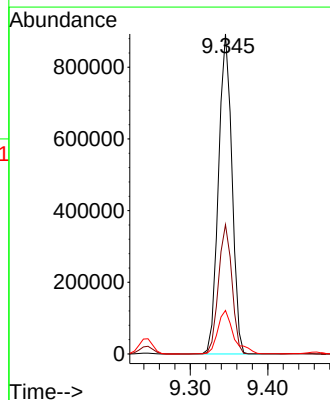
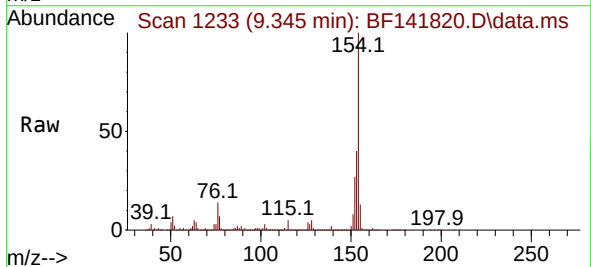
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

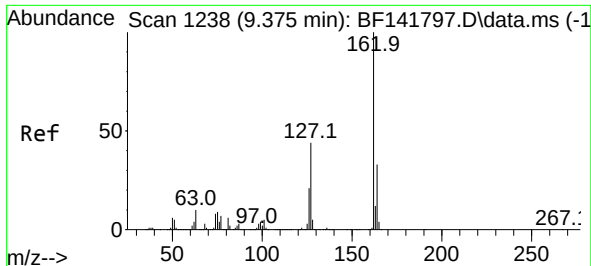
Tgt Ion:172 Resp: 1406930
Ion Ratio Lower Upper
172 100
171 35.4 29.2 43.8
170 23.7 19.7 29.5



#46
1,1'-Biphenyl
Concen: 47.760 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:154 Resp: 1073962
Ion Ratio Lower Upper
154 100
153 40.4 21.4 61.4
76 13.6 0.0 33.4

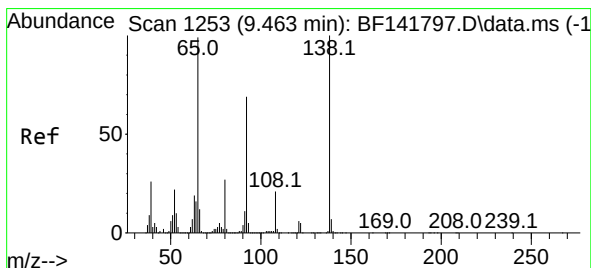
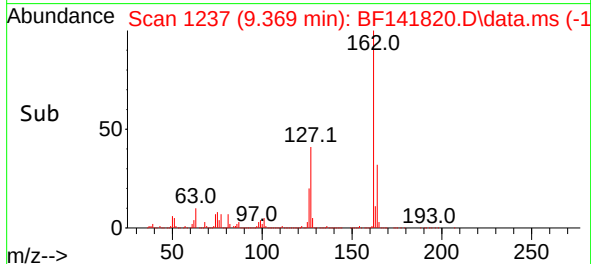
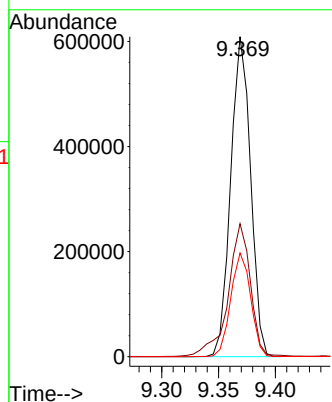
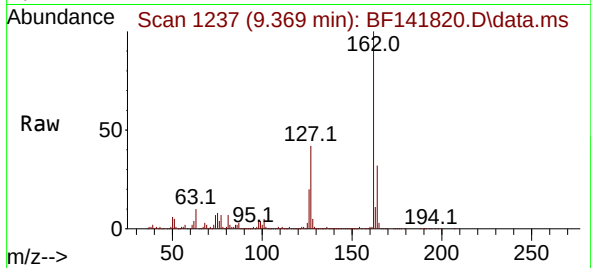




#47
2-Chloronaphthalene
Concen: 44.654 ng
RT: 9.369 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

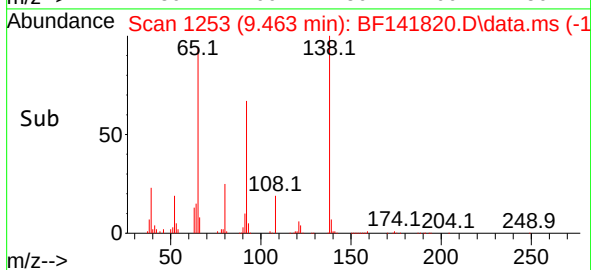
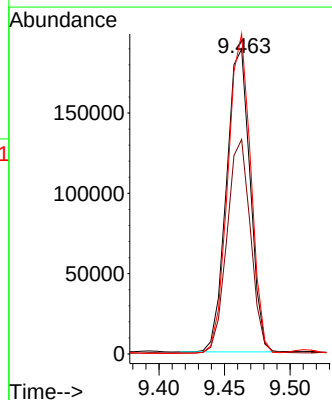
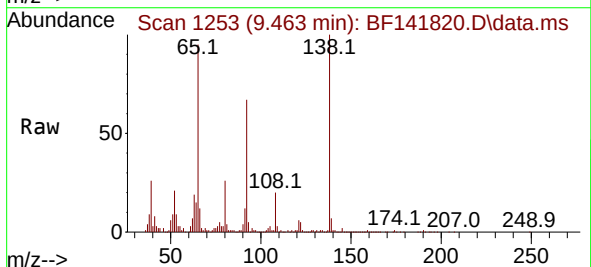
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

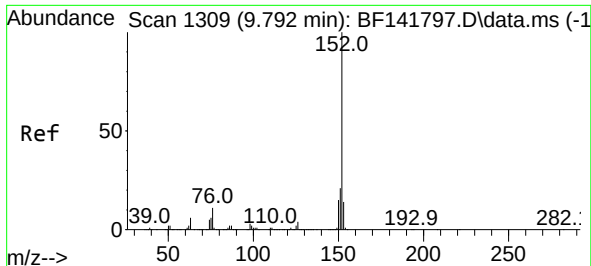
Tgt Ion:162 Resp: 741119
Ion Ratio Lower Upper
162 100
127 41.5 35.0 52.6
164 32.4 26.6 40.0



#48
2-Nitroaniline
Concen: 51.670 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion: 65 Resp: 236394
Ion Ratio Lower Upper
65 100
92 70.4 55.7 83.5
138 105.0 80.6 121.0

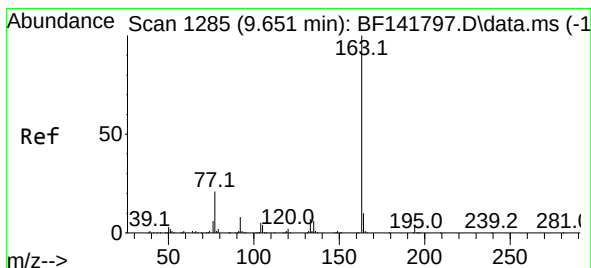
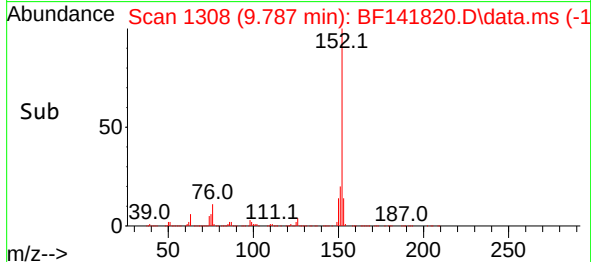
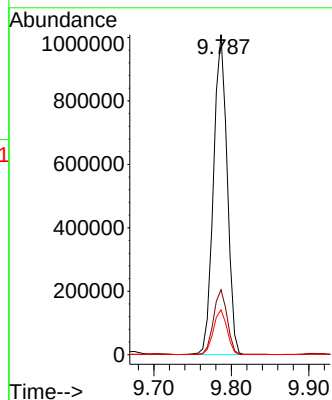
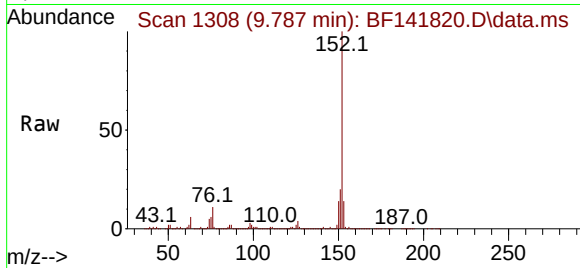




#49
Acenaphthylene
Concen: 49.525 ng
RT: 9.787 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

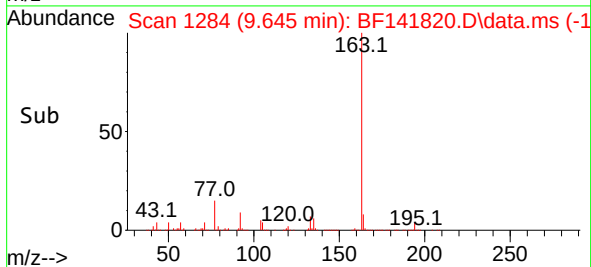
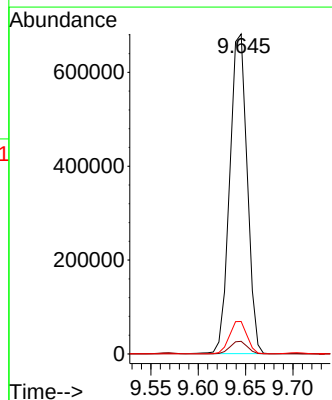
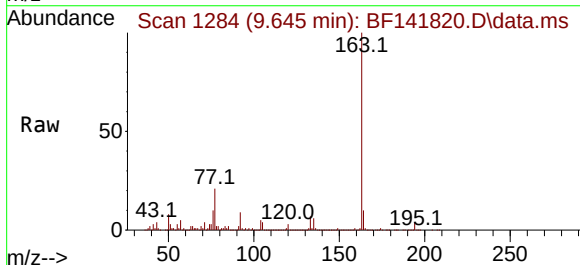
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

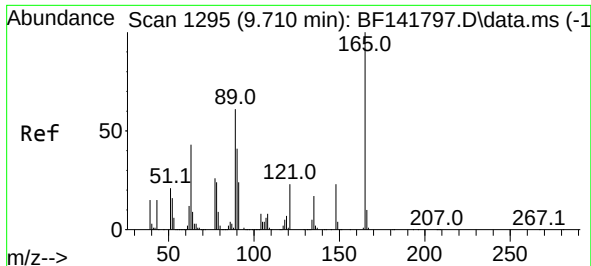
Tgt Ion:152 Resp: 1232367
Ion Ratio Lower Upper
152 100
151 20.3 16.6 24.8
153 14.0 11.2 16.8



#50
Dimethylphthalate
Concen: 43.980 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:163 Resp: 870106
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.1 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 50.087 ng

RT: 9.704 min Scan# 1294

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

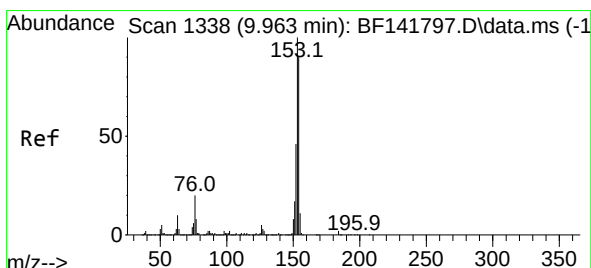
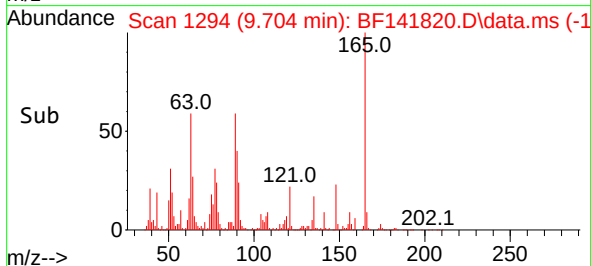
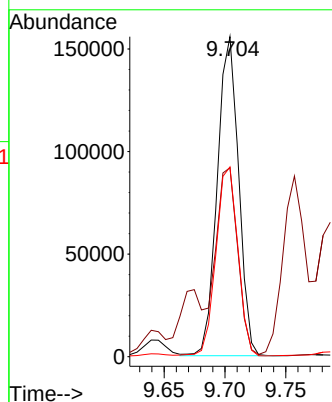
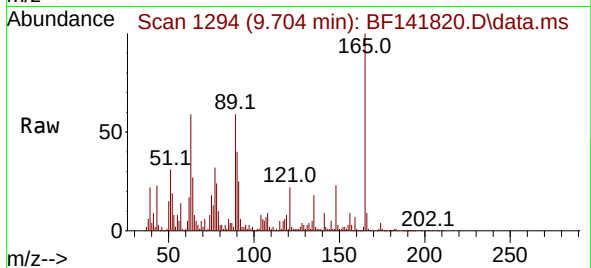
Tgt Ion:165 Resp: 190057

Ion Ratio Lower Upper

165 100

63 59.0 49.5 74.3

89 59.3 49.0 73.4



#52

Acenaphthene

Concen: 63.653 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

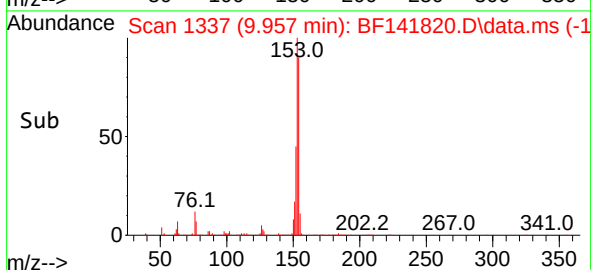
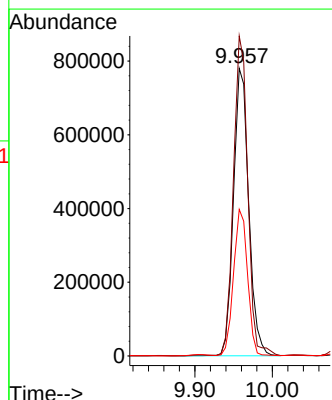
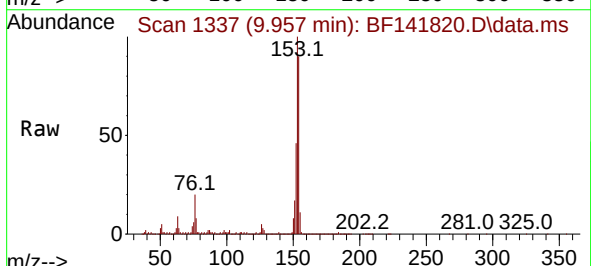
Tgt Ion:154 Resp: 1068759

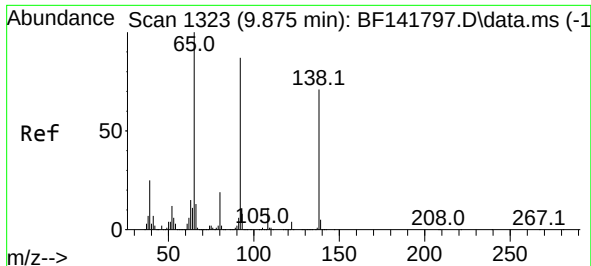
Ion Ratio Lower Upper

154 100

153 111.3 88.7 133.1

152 51.0 40.9 61.3

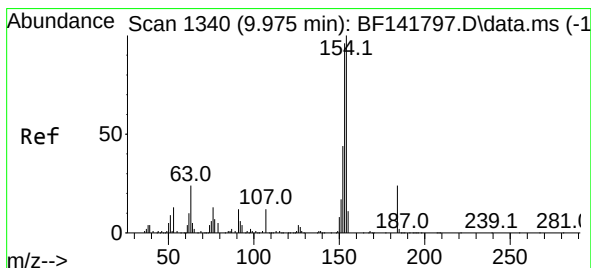
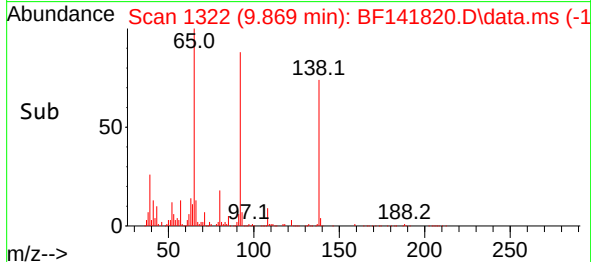
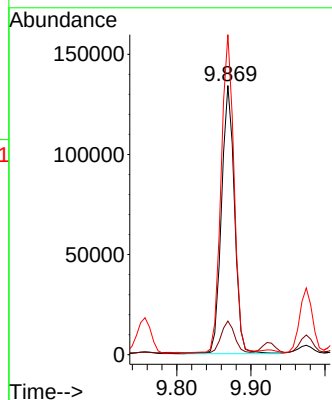
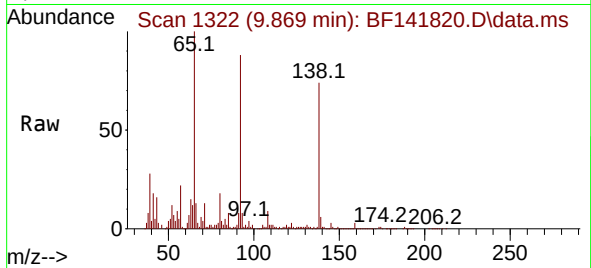




#53
3-Nitroaniline
Concen: 40.874 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

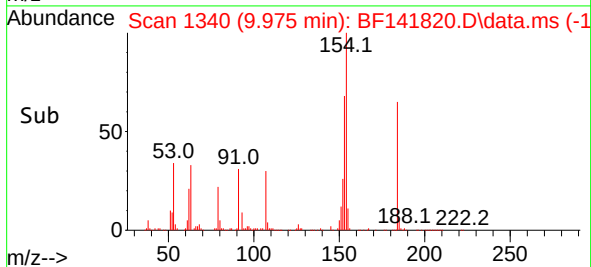
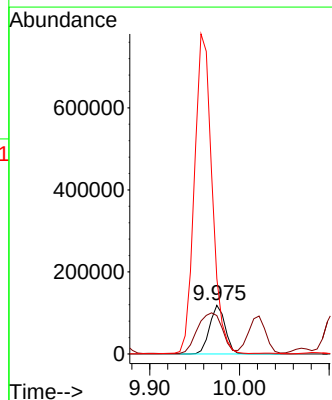
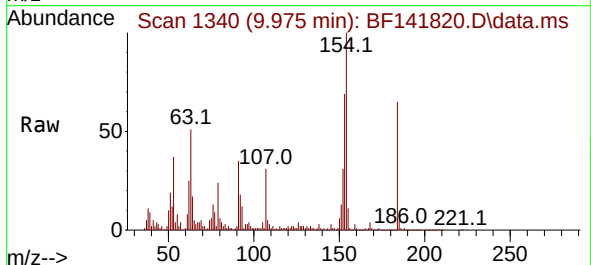
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

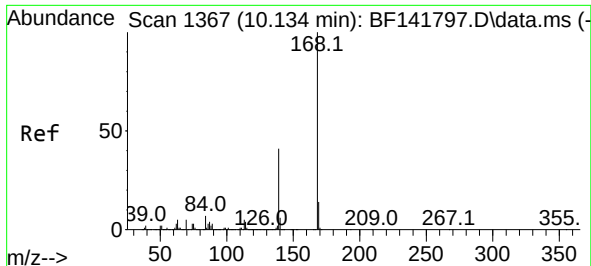
Tgt Ion:138 Resp: 162885
Ion Ratio Lower Upper
138 100
108 12.5 12.7 19.1#
92 118.9 97.9 146.9



#54
2,4-Dinitrophenol
Concen: 81.667 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:184 Resp: 142970
Ion Ratio Lower Upper
184 100
63 78.9 79.0 118.6#
154 155.0 335.8 503.8#

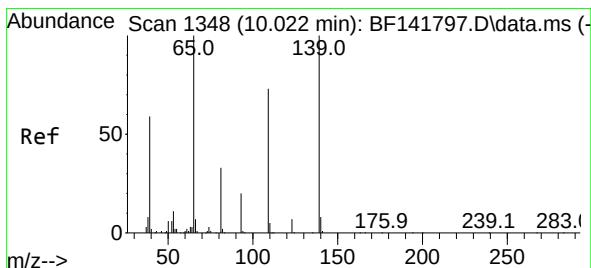
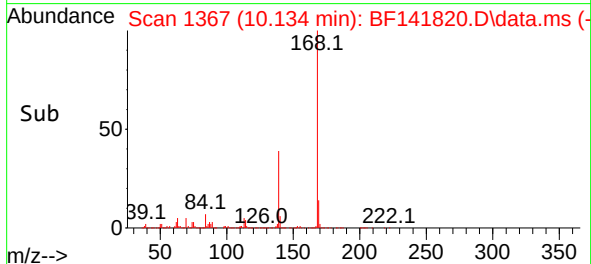
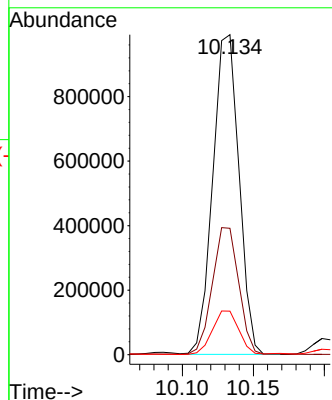
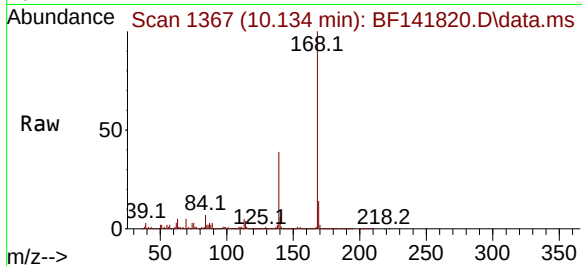




#55
Dibenzofuran
Concen: 52.050 ng
RT: 10.134 min Scan# 1367
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

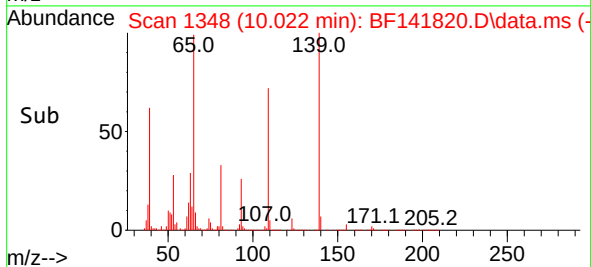
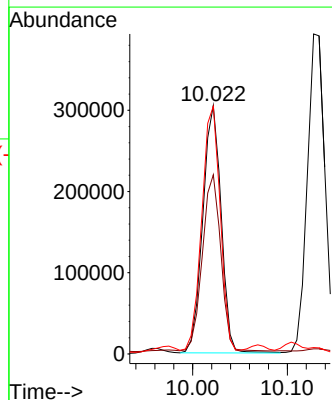
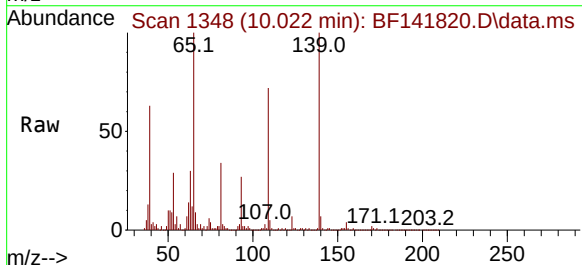
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

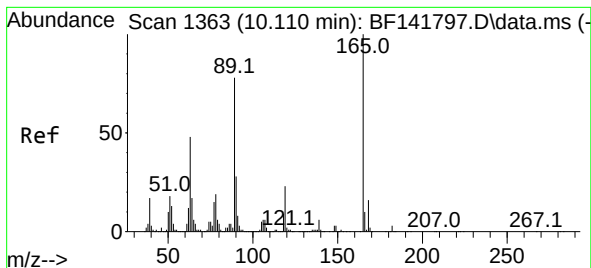
Tgt Ion:168 Resp: 1272025
Ion Ratio Lower Upper
168 100
139 39.5 32.9 49.3
169 13.6 11.1 16.7



#56
4-Nitrophenol
Concen: 139.909 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:139 Resp: 408817
Ion Ratio Lower Upper
139 100
109 72.1 53.4 93.4
65 99.7 82.1 122.1



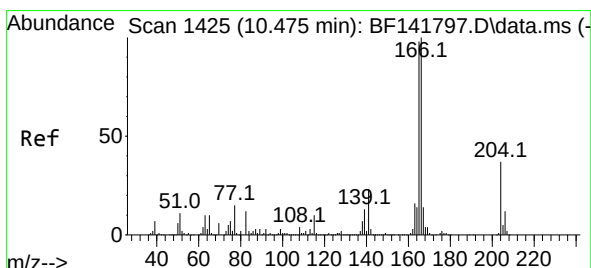
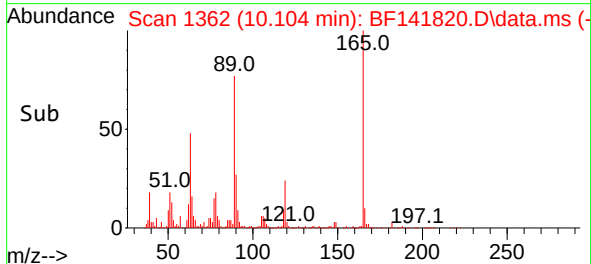
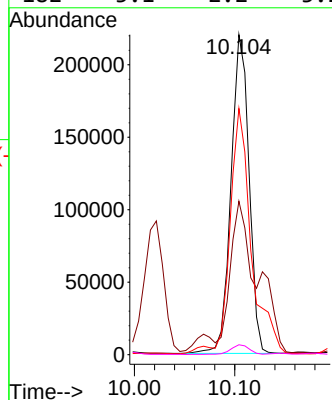
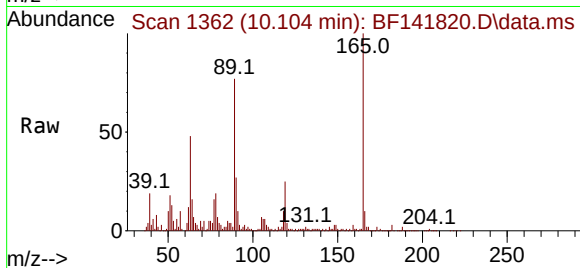


#57
2,4-Dinitrotoluene
Concen: 58.400 ng
RT: 10.104 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

Tgt Ion:165 Resp: 273781

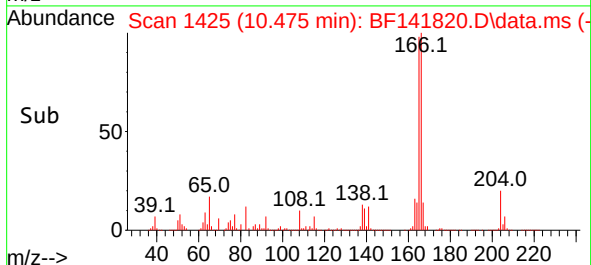
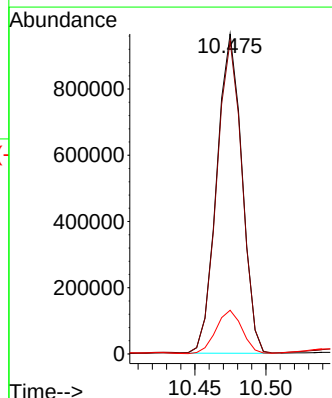
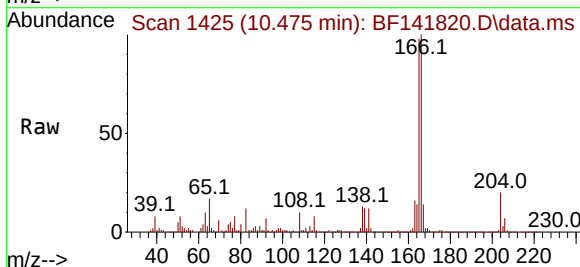
Ion	Ratio	Lower	Upper
165	100		
63	48.0	38.8	58.2
89	77.0	62.6	94.0
182	3.1	2.2	3.2

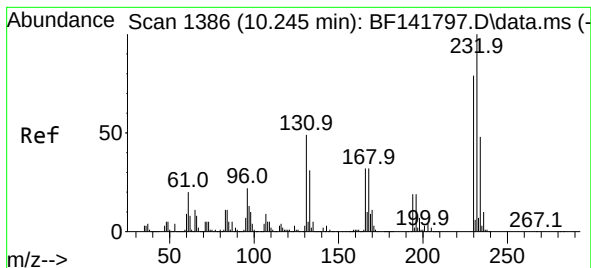


#58
Fluorene
Concen: 64.850 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:166 Resp: 1187140

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.6	117.8
167	13.7	11.0	16.4

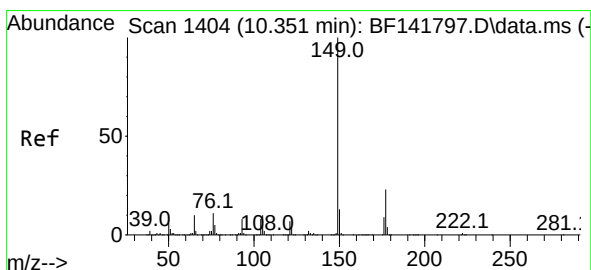
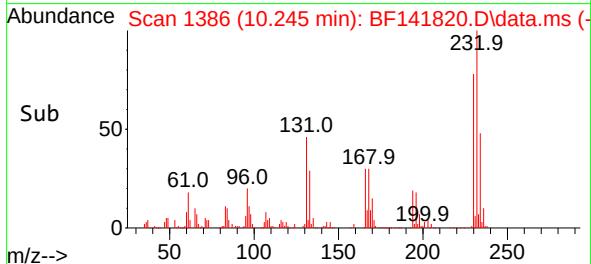
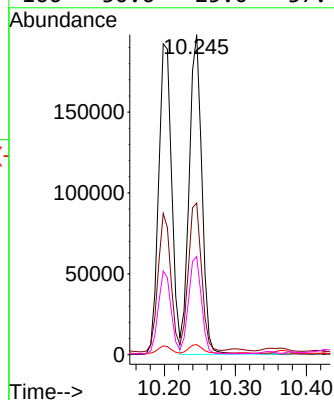
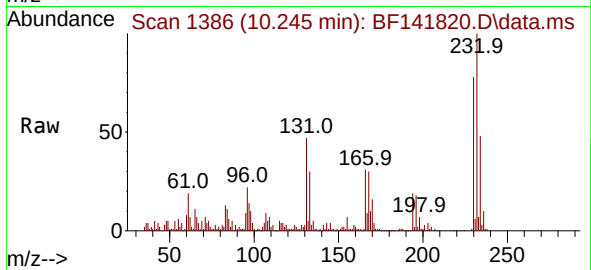




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.602 ng
RT: 10.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

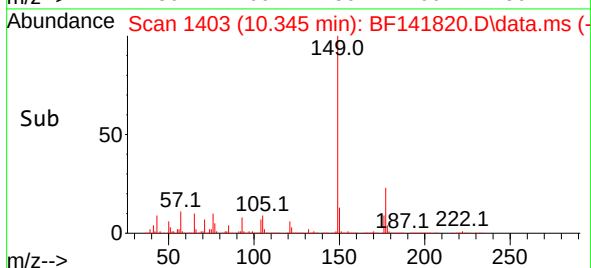
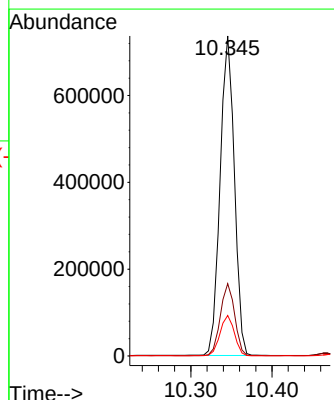
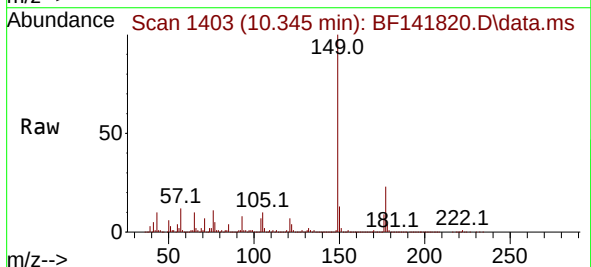
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

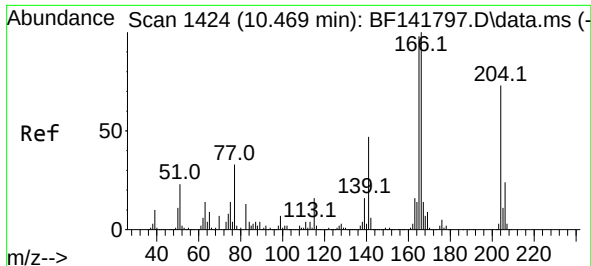
Tgt Ion:232 Resp: 244933
Ion Ratio Lower Upper
232 100
131 47.6 37.8 56.8
130 2.9 2.0 3.0
166 30.6 25.0 37.4



#60
Diethylphthalate
Concen: 45.413 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:149 Resp: 900702
Ion Ratio Lower Upper
149 100
177 22.6 18.3 27.5
150 12.7 10.3 15.5

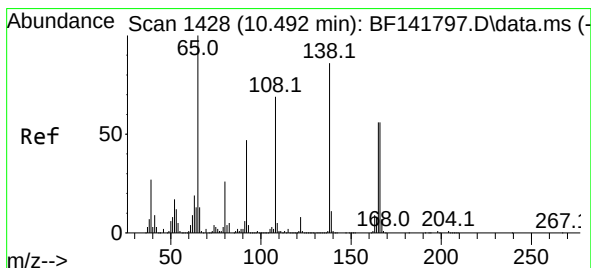
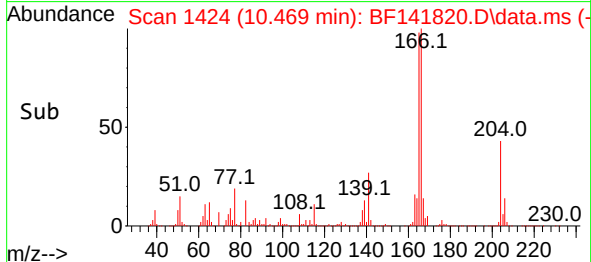
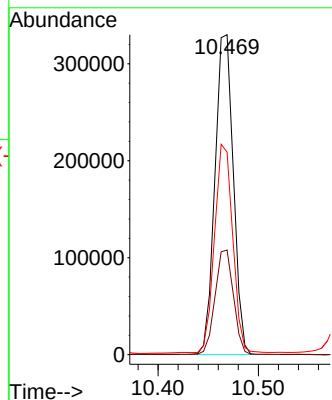
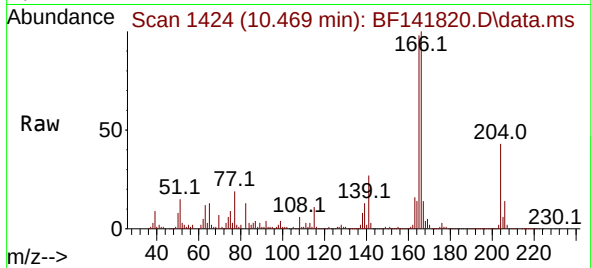




#61
4-Chlorophenyl-phenylether
Concen: 45.777 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

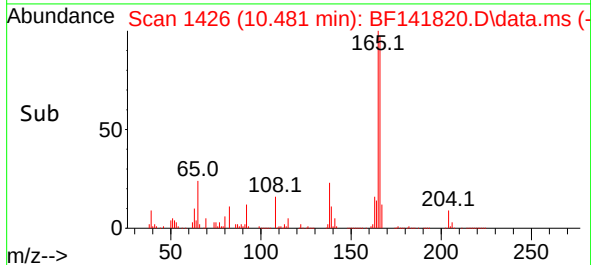
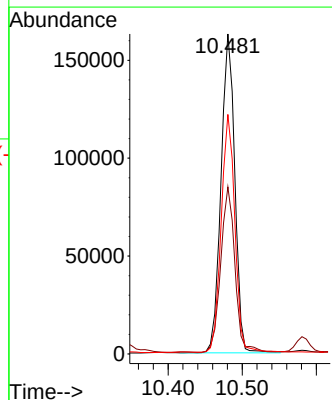
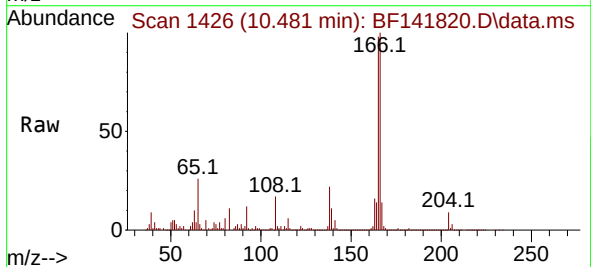
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

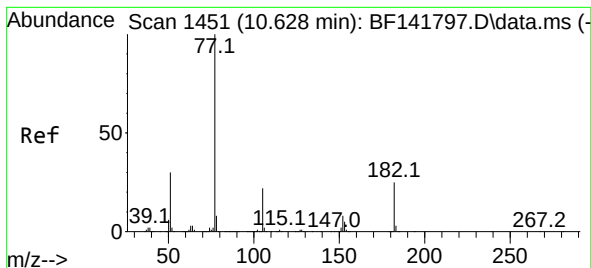
Tgt Ion:204 Resp: 419858
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.4
141 63.3 51.7 77.5



#62
4-Nitroaniline
Concen: 62.328 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:138 Resp: 210583
Ion Ratio Lower Upper
138 100
92 52.2 34.9 74.9
108 74.8 59.6 99.6





#63

Azobenzene

Concen: 52.953 ng

RT: 10.628 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

Tgt Ion: 77 Resp: 1105808

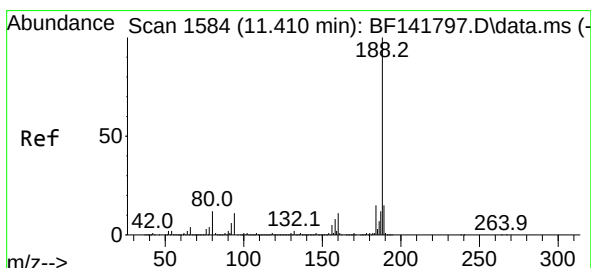
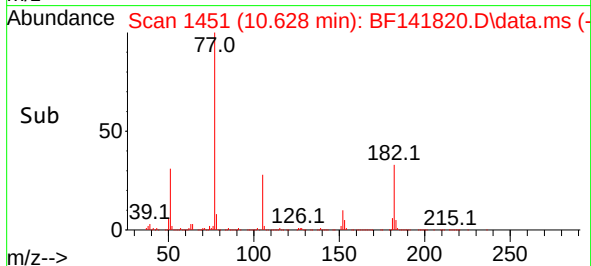
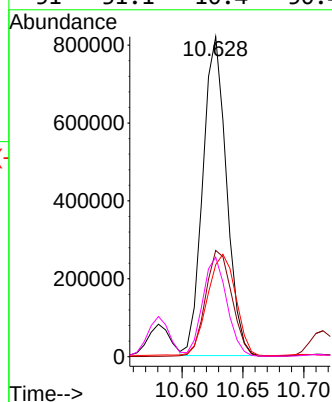
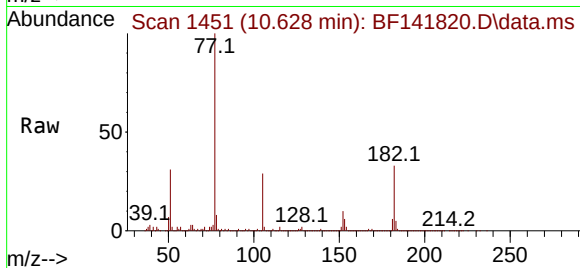
Ion Ratio Lower Upper

77 100

182 33.2 4.2 44.2

105 28.8 1.5 41.5

51 31.1 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

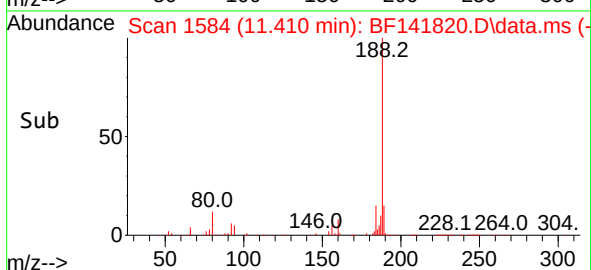
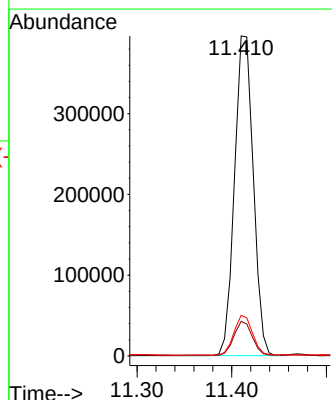
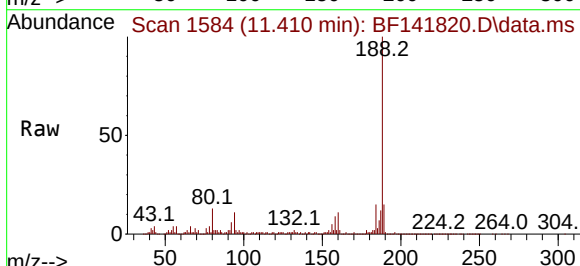
Tgt Ion: 188 Resp: 545054

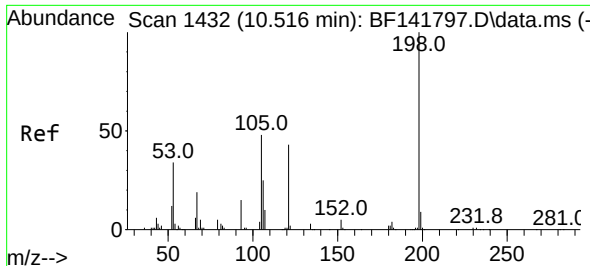
Ion Ratio Lower Upper

188 100

94 10.8 8.9 13.3

80 12.7 9.7 14.5

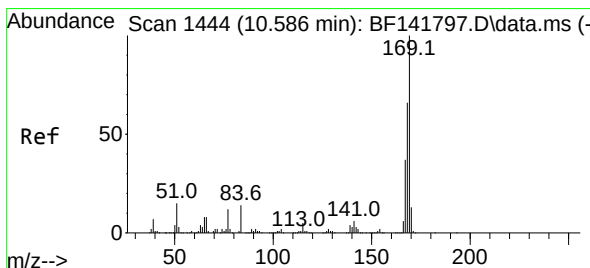
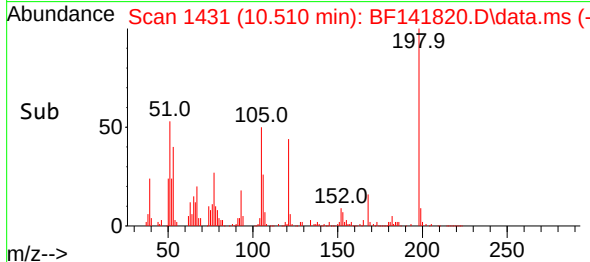
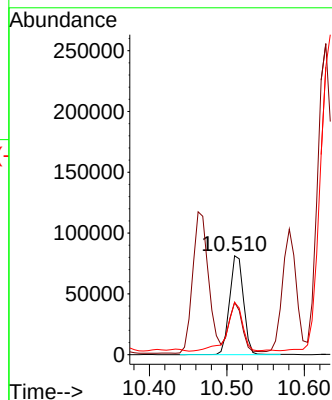
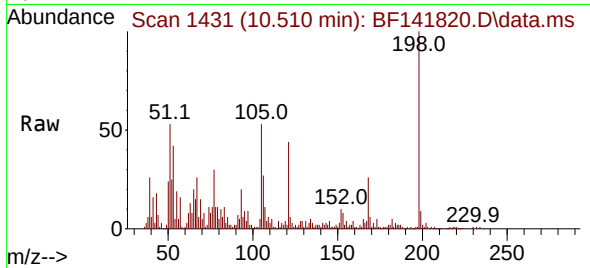




#65
4,6-Dinitro-2-methylphenol
Concen: 41.155 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

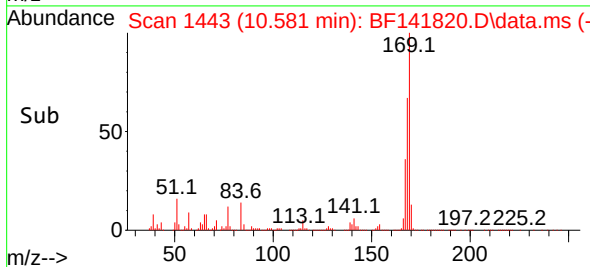
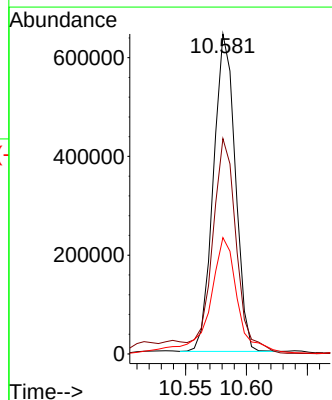
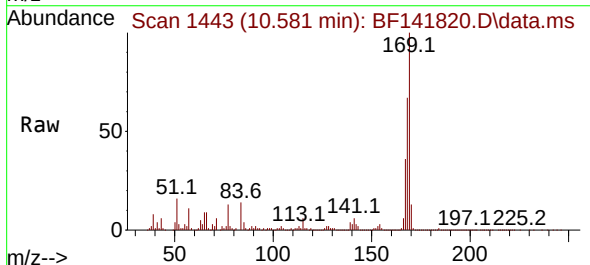
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

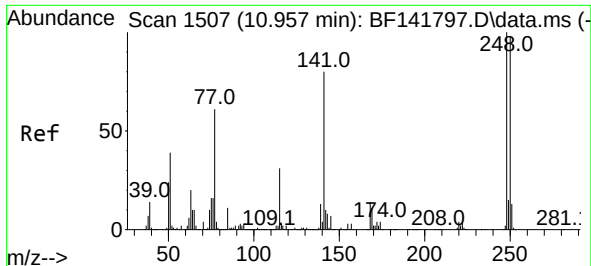
Tgt Ion:198 Resp: 102050
Ion Ratio Lower Upper
198 100
51 52.9 32.1 72.1
105 52.9 28.5 68.5



#66
n-Nitrosodiphenylamine
Concen: 44.853 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:169 Resp: 802757
Ion Ratio Lower Upper
169 100
168 67.3 53.0 79.6
167 36.4 29.3 43.9

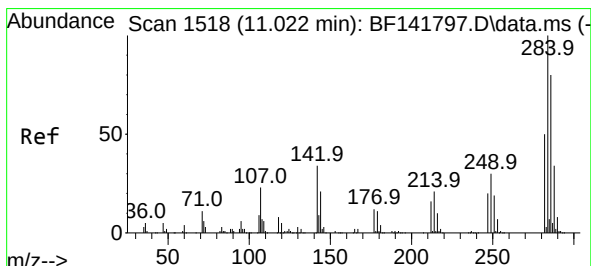
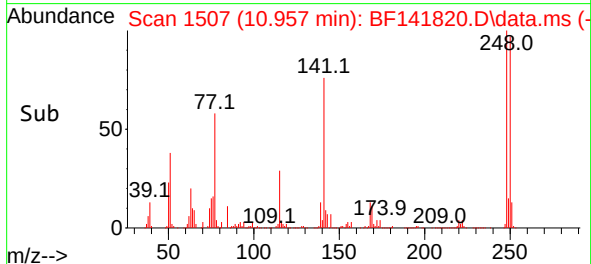
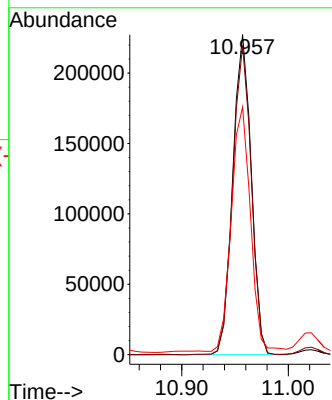
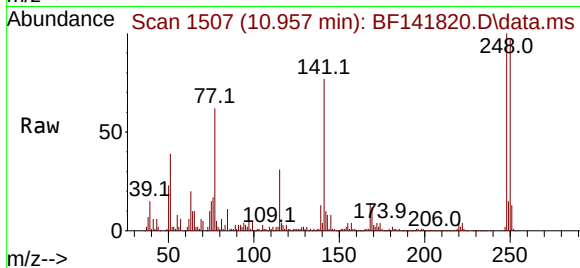




#67
4-Bromophenyl-phenylether
Concen: 43.092 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

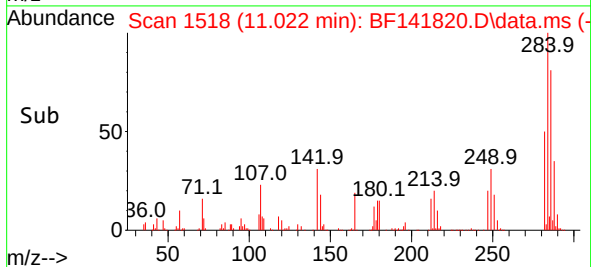
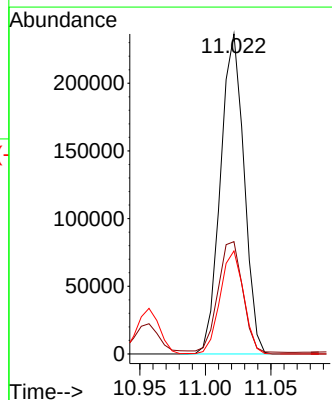
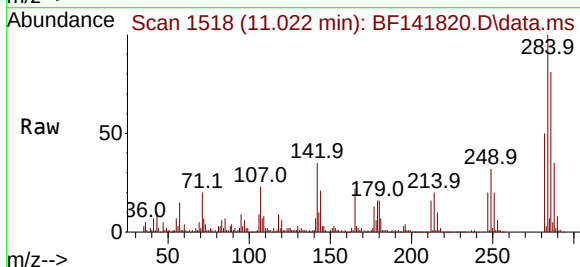
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

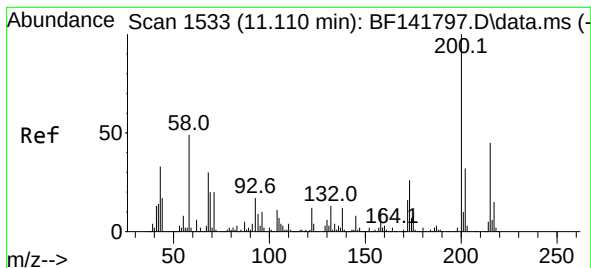
Tgt Ion:248 Resp: 274340
Ion Ratio Lower Upper
248 100
250 96.6 78.1 117.1
141 77.4 64.3 96.5



#68
Hexachlorobenzene
Concen: 43.830 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:284 Resp: 294663
Ion Ratio Lower Upper
284 100
142 35.1 28.2 42.2
249 32.2 25.5 38.3





#69

Atrazine

Concen: 63.618 ng

RT: 11.110 min Scan# 1533

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

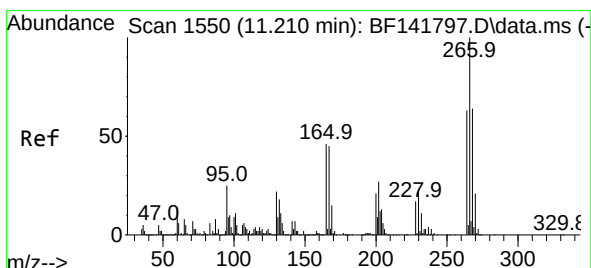
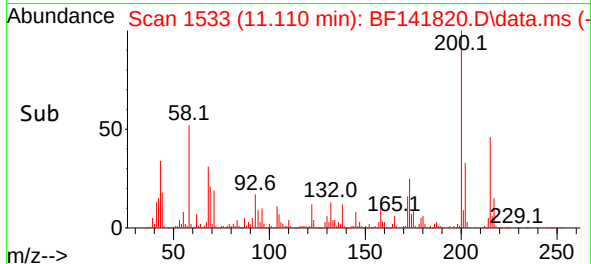
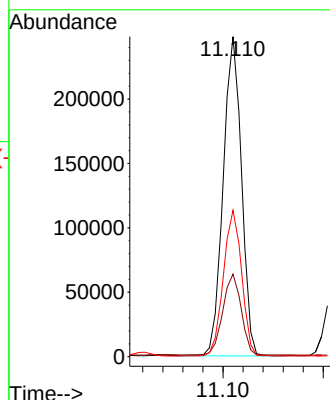
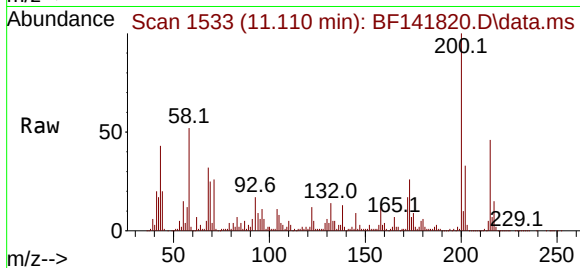
Tgt Ion:200 Resp: 313116

Ion Ratio Lower Upper

200 100

173 25.8 5.6 45.6

215 45.7 25.3 65.3



#70

Pentachlorophenol

Concen: 92.439 ng

RT: 11.216 min Scan# 1551

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

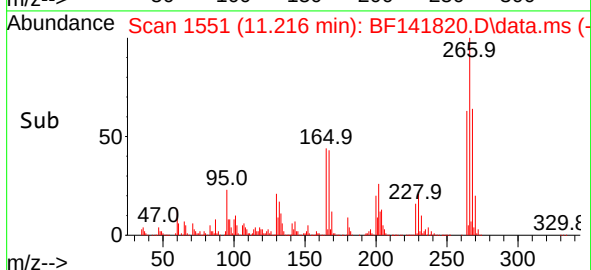
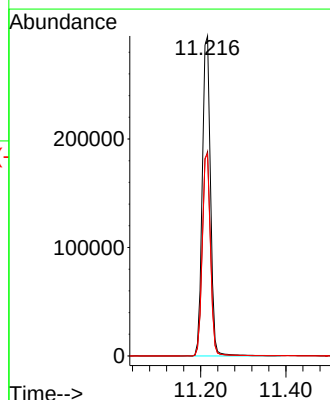
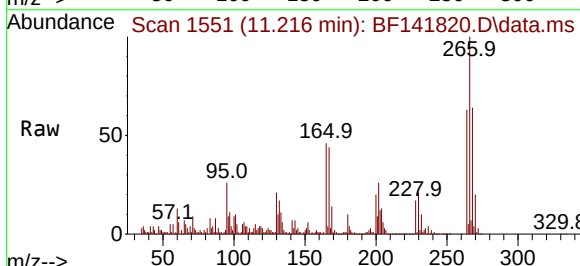
Tgt Ion:266 Resp: 394143

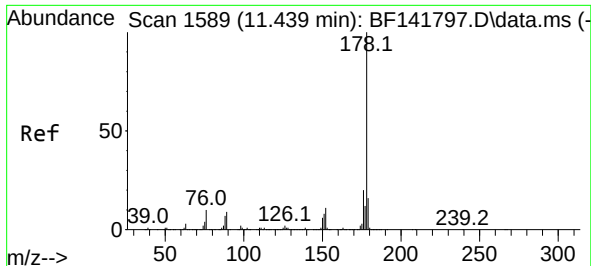
Ion Ratio Lower Upper

266 100

268 63.9 50.9 76.3

264 63.1 50.2 75.4

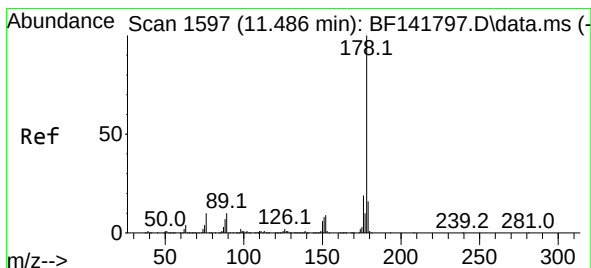
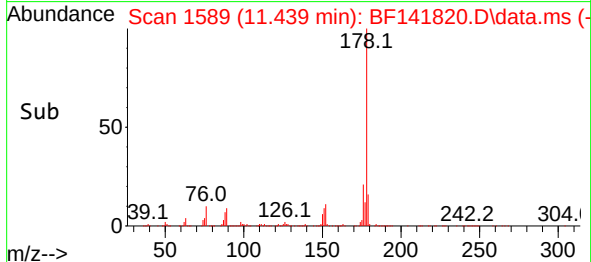
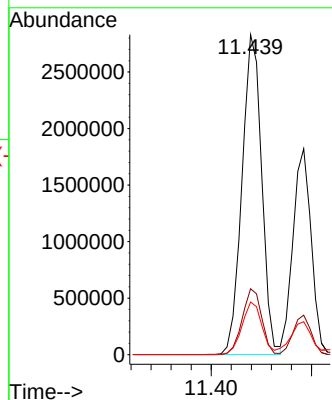
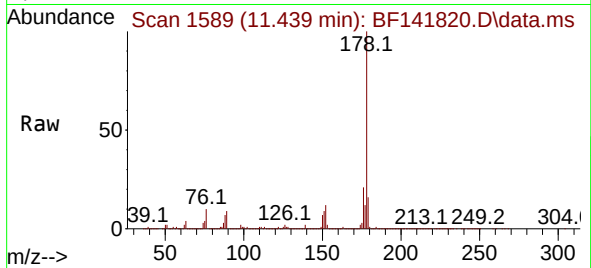




#71
Phenanthrene
Concen: 132.626 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

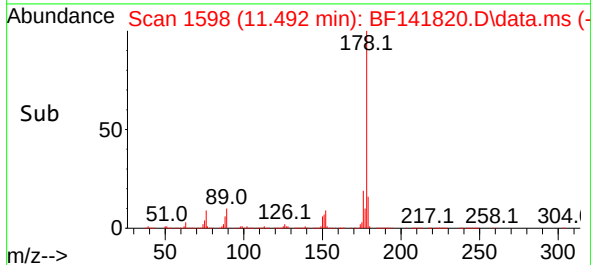
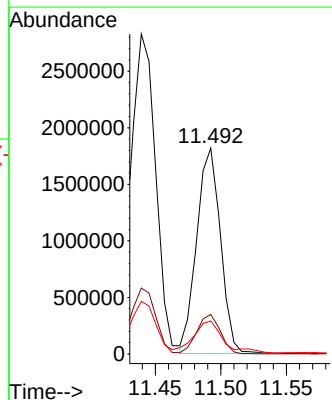
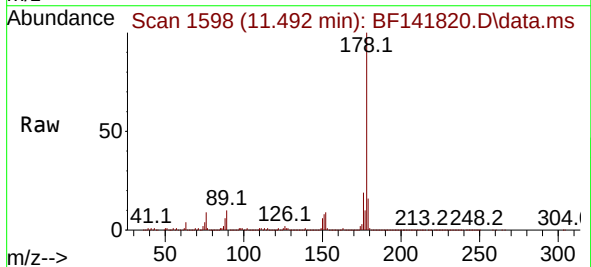
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

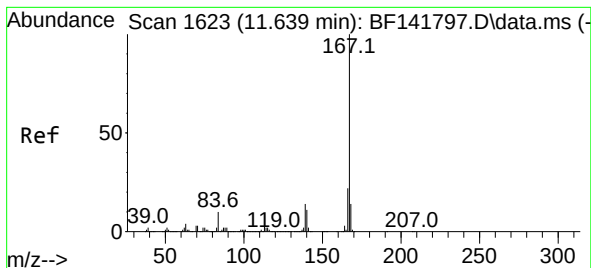
Tgt Ion:178 Resp: 3866700
Ion Ratio Lower Upper
178 100
176 20.6 16.0 24.0
179 16.5 12.6 19.0



#72
Anthracene
Concen: 78.562 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:178 Resp: 2295577
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 16.0 12.8 19.2





#73

Carbazole

Concen: 65.715 ng

RT: 11.639 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

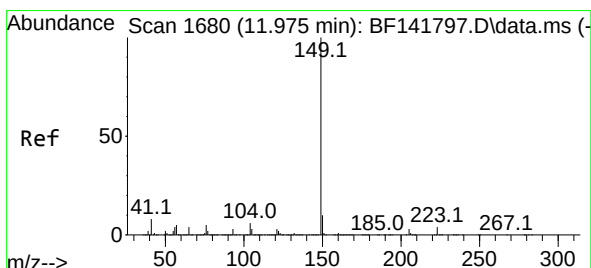
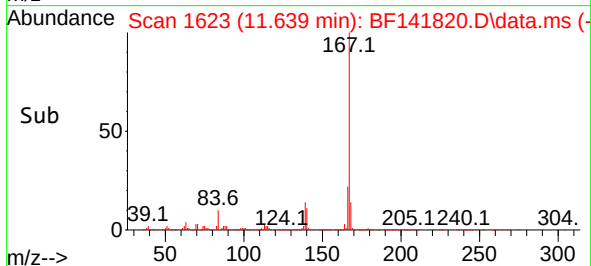
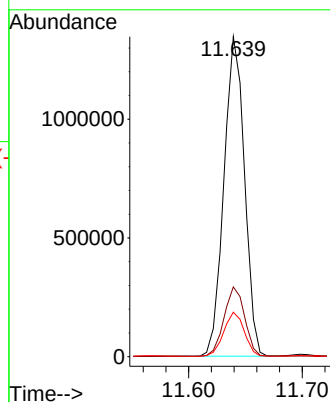
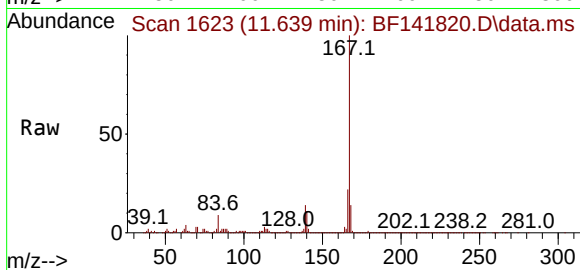
Tgt Ion:167 Resp: 1695666

Ion Ratio Lower Upper

167 100

166 21.8 17.5 26.3

139 13.9 11.3 16.9



#74

Di-n-butylphthalate

Concen: 46.931 ng

RT: 11.975 min Scan# 1680

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

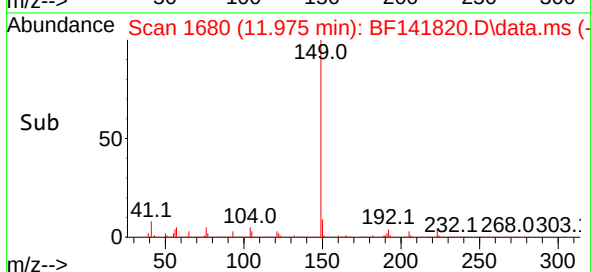
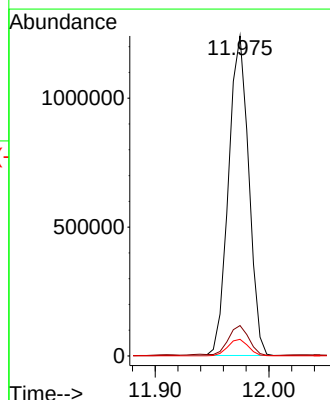
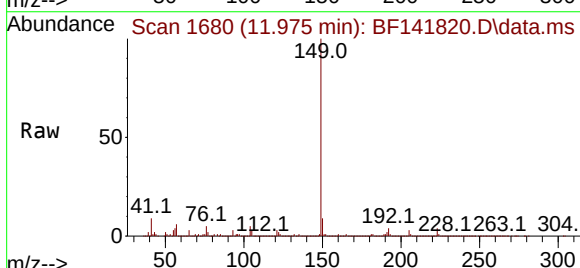
Tgt Ion:149 Resp: 1535009

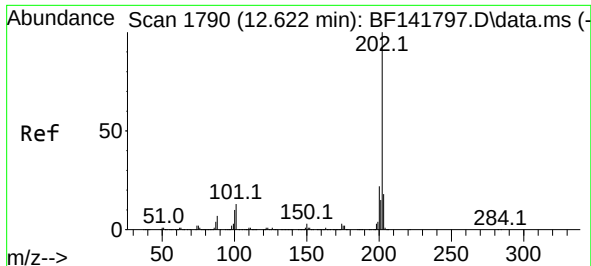
Ion Ratio Lower Upper

149 100

150 9.5 7.7 11.5

104 5.2 4.4 6.6

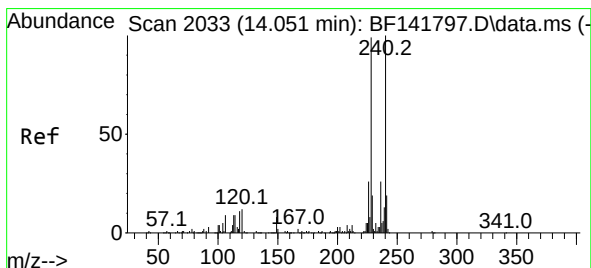
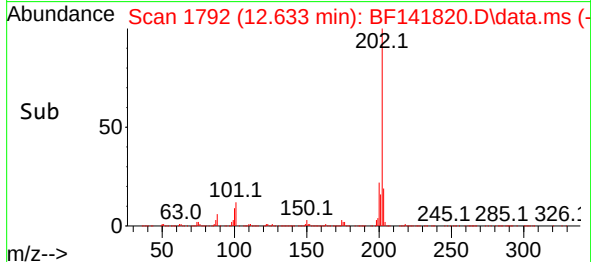
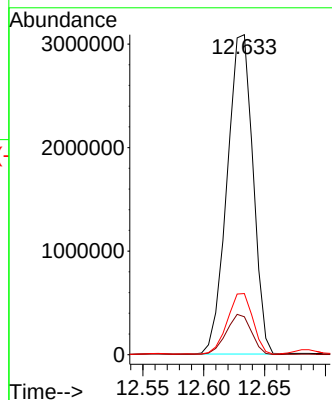
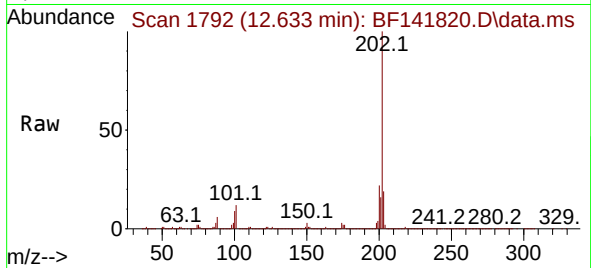




#75
Fluoranthene
Concen: 152.425 ng
RT: 12.633 min Scan# 1790
Delta R.T. 0.012 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

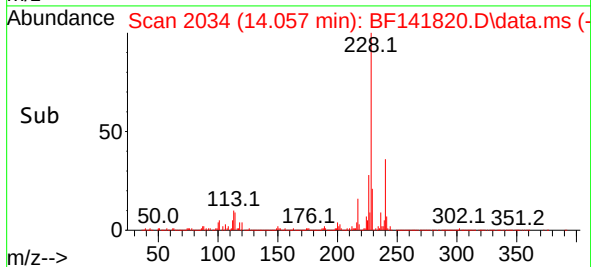
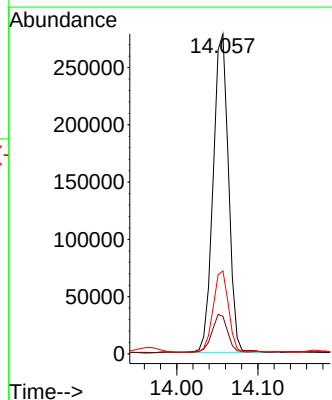
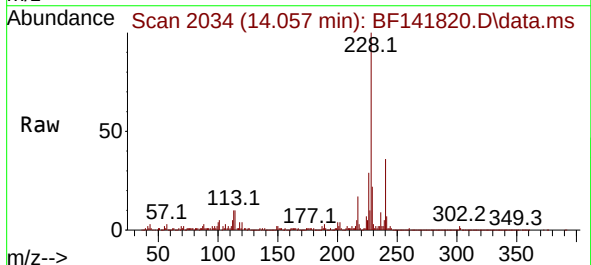
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

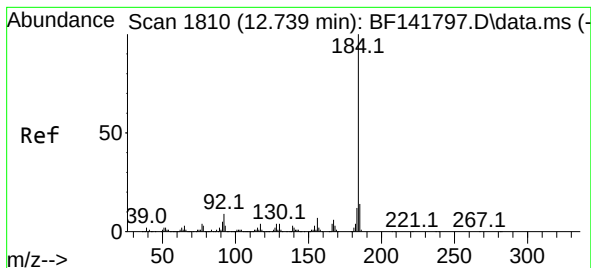
Tgt Ion:202 Resp: 4553566
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.8
203 19.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:240 Resp: 364367
Ion Ratio Lower Upper
240 100
120 11.8 9.7 14.5
236 26.0 21.0 31.4





#77

Benzidine

Concen: 125.952 ng

RT: 12.745 min Scan# 1810

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

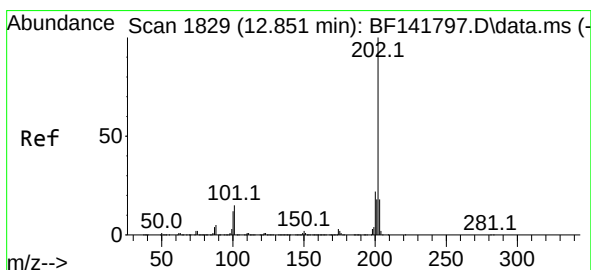
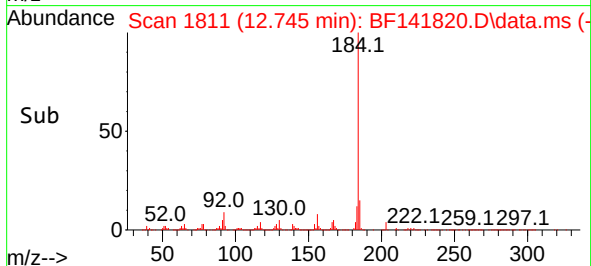
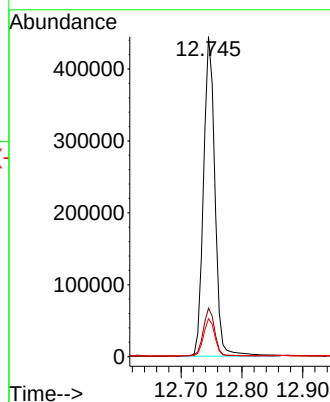
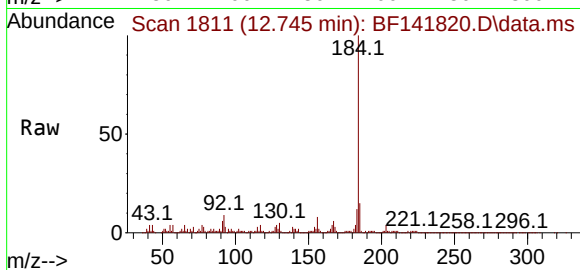
Tgt Ion:184 Resp: 577625

Ion Ratio Lower Upper

184 100

185 15.1 11.6 17.4

183 11.8 9.4 14.0



#78

Pyrene

Concen: 124.554 ng

RT: 12.857 min Scan# 1830

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

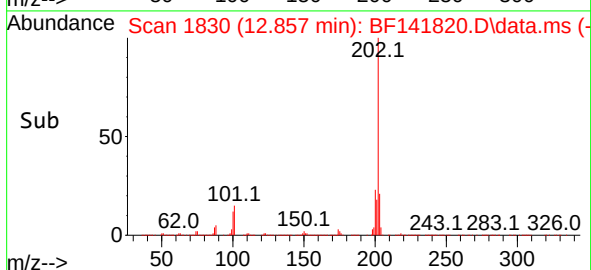
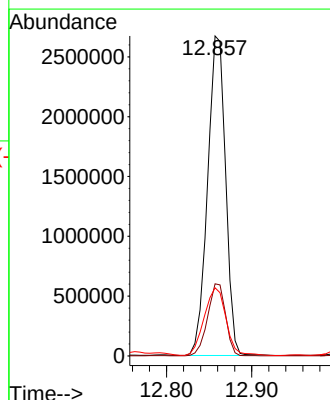
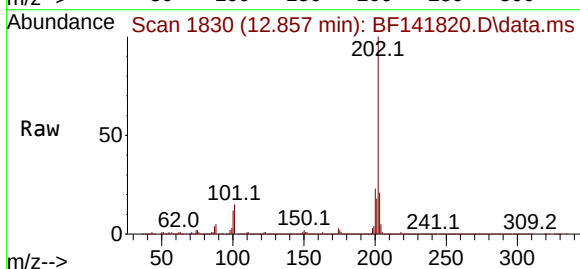
Tgt Ion:202 Resp: 3929924

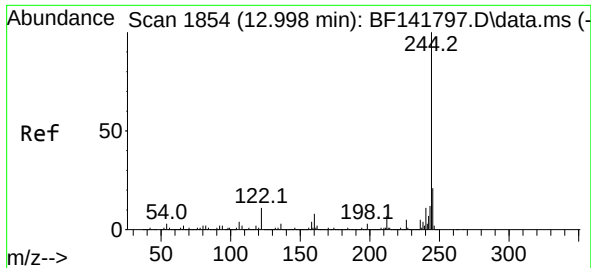
Ion Ratio Lower Upper

202 100

200 22.5 17.4 26.0

203 21.3 14.6 22.0

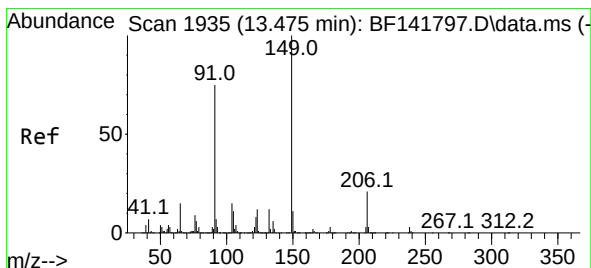
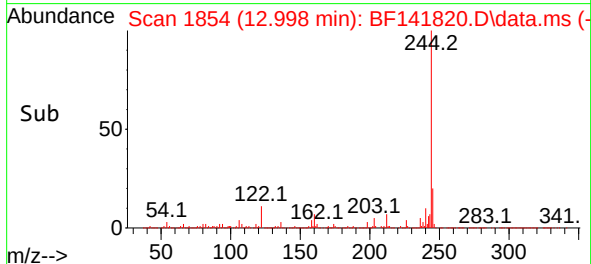
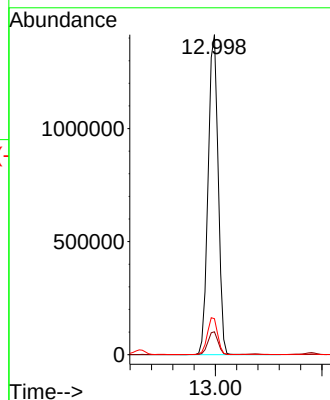
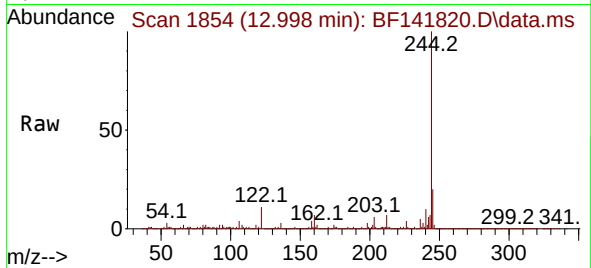




#79
 Terphenyl-d14
 Concen: 81.878 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF141820.D
 Acq: 03 Mar 2025 18:45

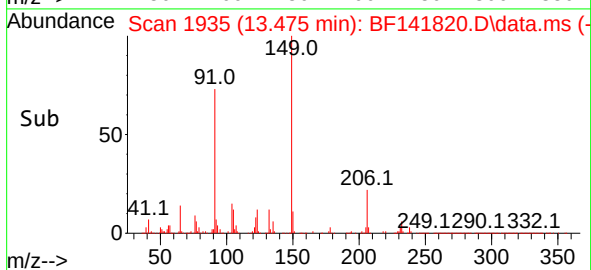
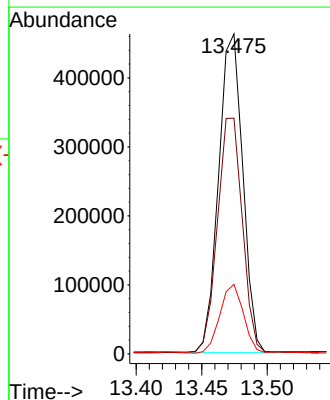
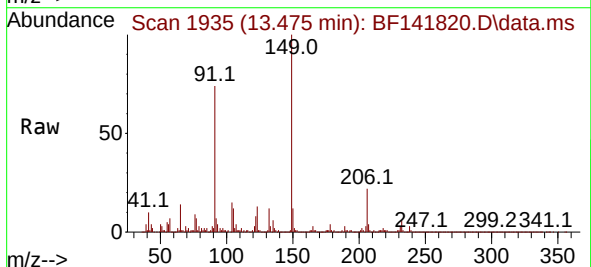
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02282025MSD

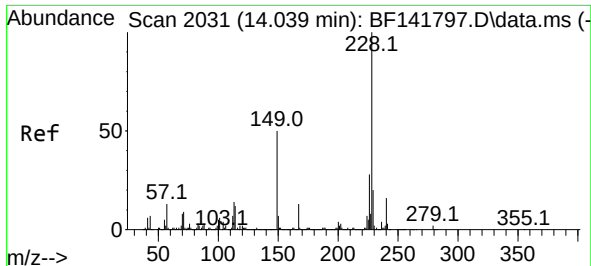
Tgt Ion:244 Resp: 1843944
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 11.2 9.0 13.6



#80
 Butylbenzylphthalate
 Concen: 51.636 ng
 RT: 13.475 min Scan# 1935
 Delta R.T. -0.000 min
 Lab File: BF141820.D
 Acq: 03 Mar 2025 18:45

Tgt Ion:149 Resp: 591936
 Ion Ratio Lower Upper
 149 100
 91 73.7 60.1 90.1
 206 21.7 16.8 25.2

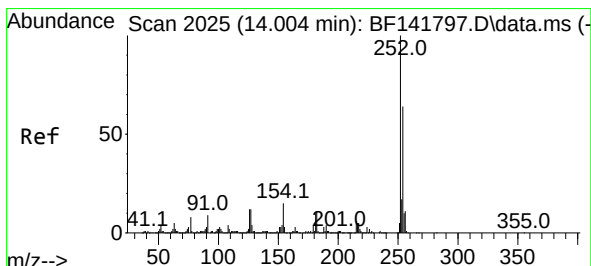
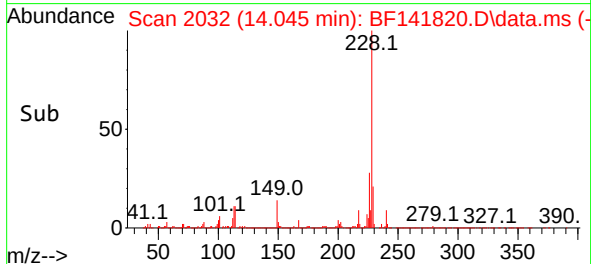
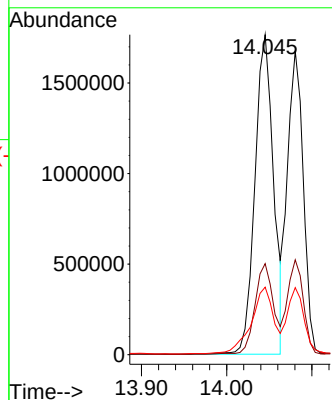
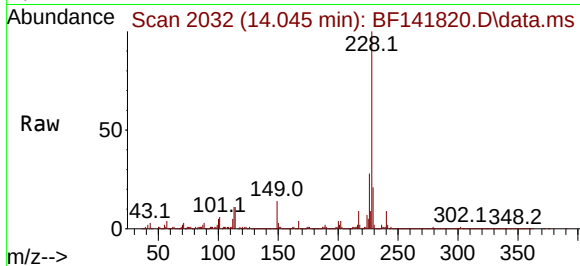




#81
Benzo(a)anthracene
Concen: 111.629 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

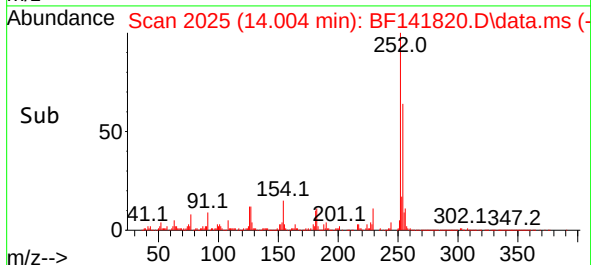
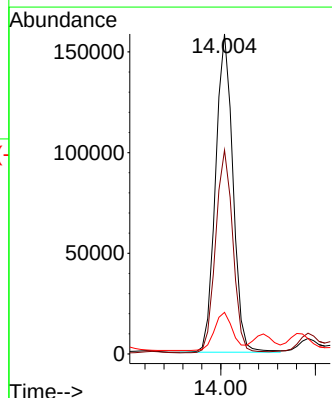
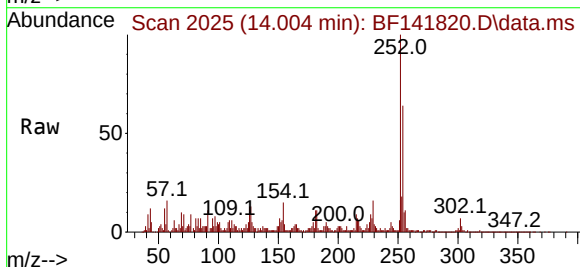
Instrument :
BNA_F
ClientSampleId :
TR-04-02282025MSD

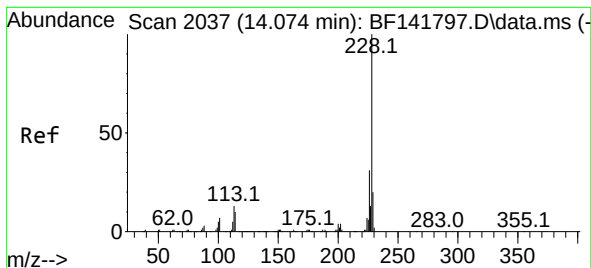
Tgt Ion:228 Resp: 2686577
Ion Ratio Lower Upper
228 100
226 28.5 22.1 33.1
229 21.1 16.1 24.1



#82
3,3'-Dichlorobenzidine
Concen: 29.123 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF141820.D
Acq: 03 Mar 2025 18:45

Tgt Ion:252 Resp: 201094
Ion Ratio Lower Upper
252 100
254 63.7 51.4 77.0
126 13.0 9.8 14.6





#83

Chrysene

Concen: 97.191 ng

RT: 14.080 min Scan# 2037

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

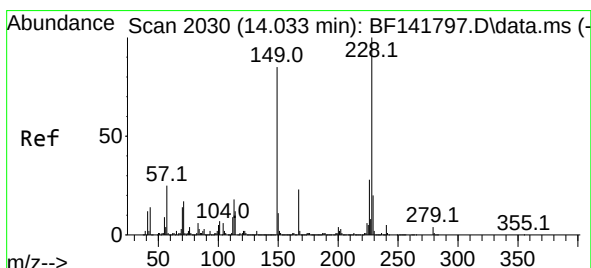
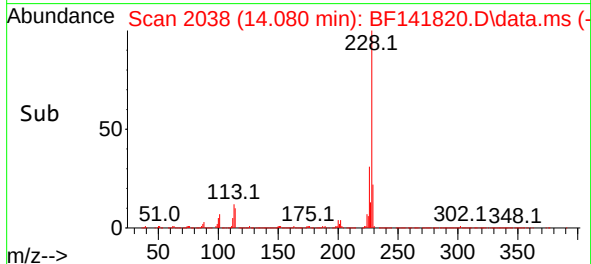
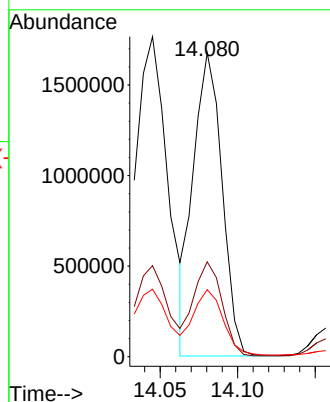
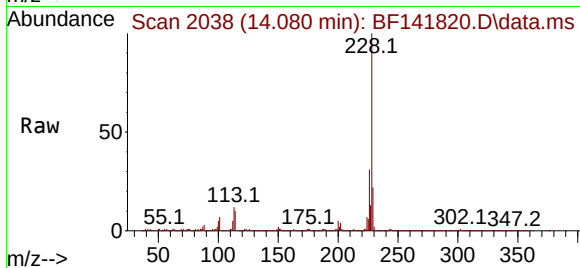
Tgt Ion:228 Resp: 2156229

Ion Ratio Lower Upper

228 100

226 31.2 24.6 37.0

229 22.1 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.038 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

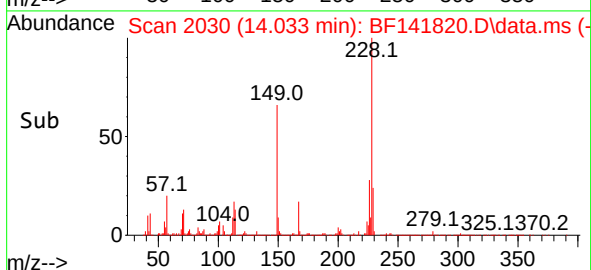
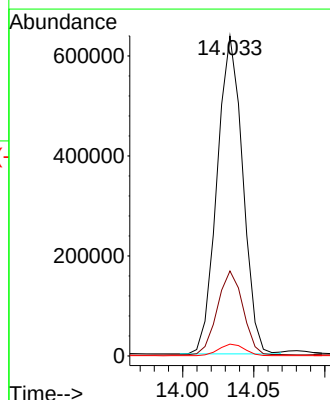
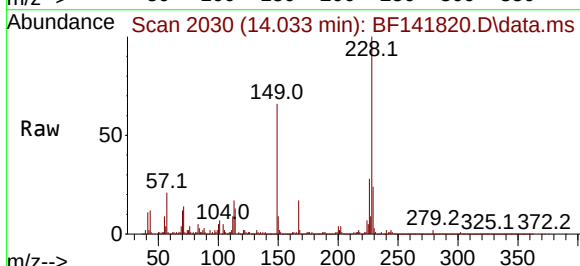
Tgt Ion:149 Resp: 799872

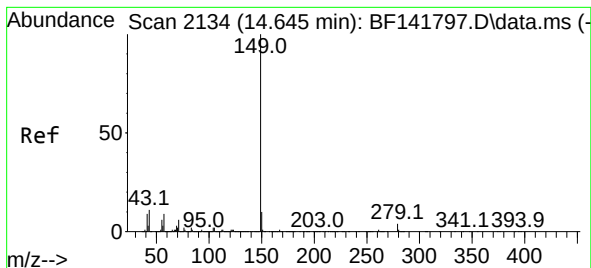
Ion Ratio Lower Upper

149 100

167 26.5 21.2 31.8

279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 57.932 ng

RT: 14.645 min Scan# 2134

Delta R.T. -0.000 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

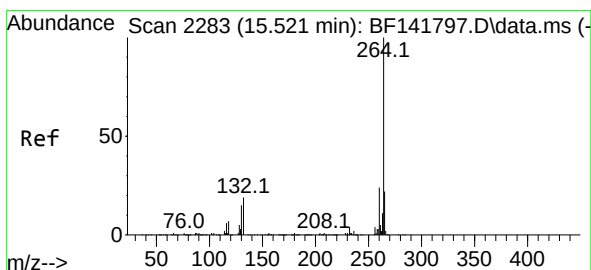
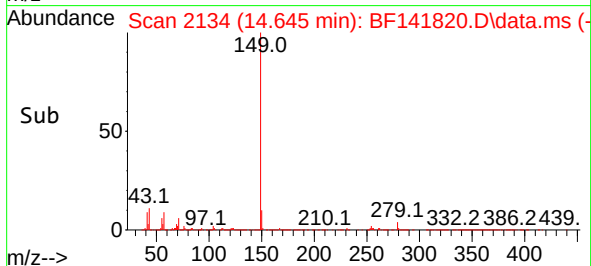
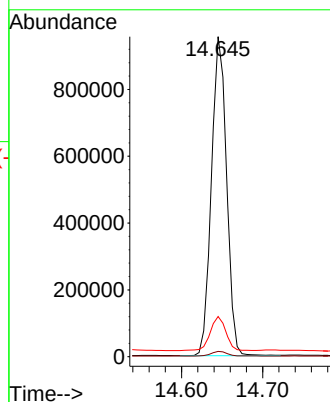
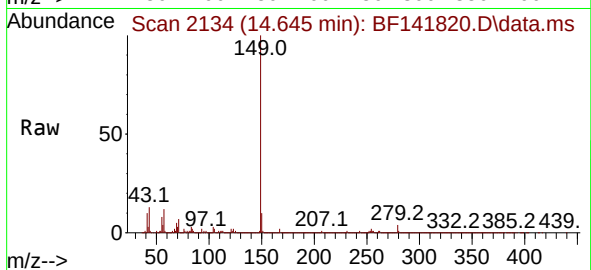
Tgt Ion:149 Resp: 1237973

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

43 11.2 8.6 12.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

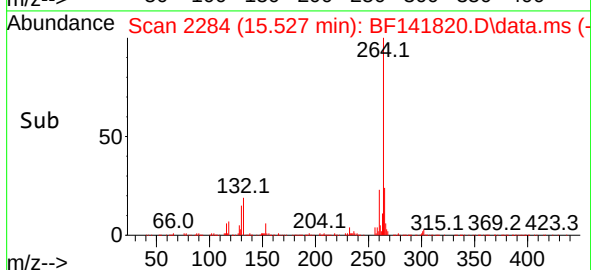
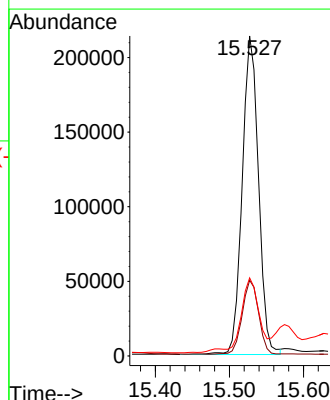
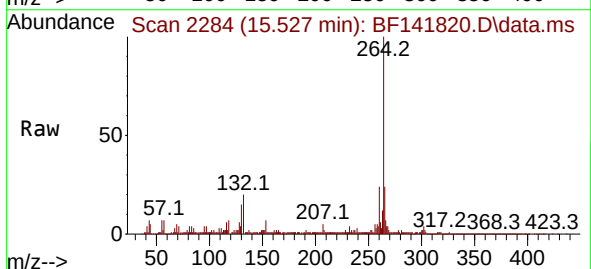
Tgt Ion:264 Resp: 325863

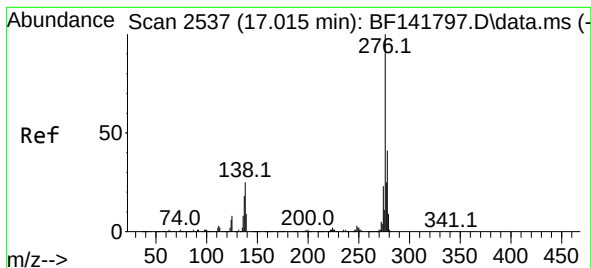
Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 24.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 61.415 ng

RT: 17.027 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

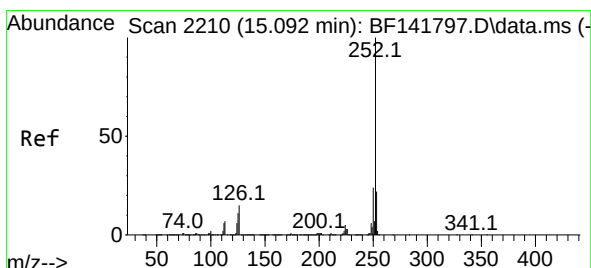
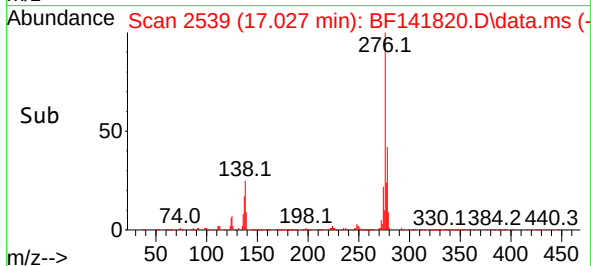
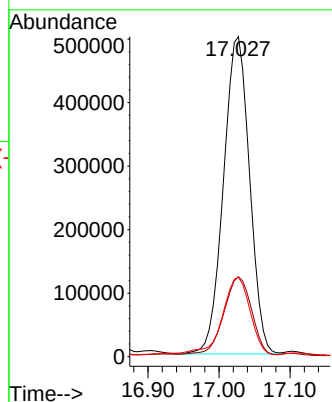
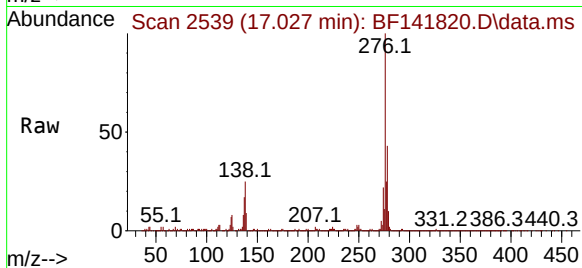
Tgt Ion:276 Resp: 1274356

Ion Ratio Lower Upper

276 100

138 25.7 22.5 33.7

277 26.6 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 103.967 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

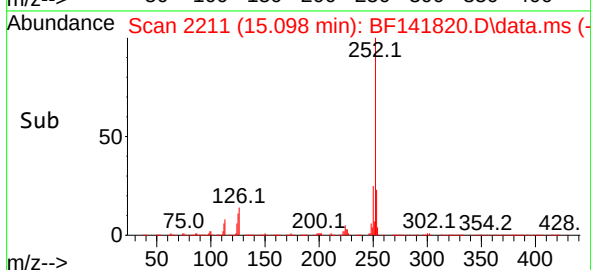
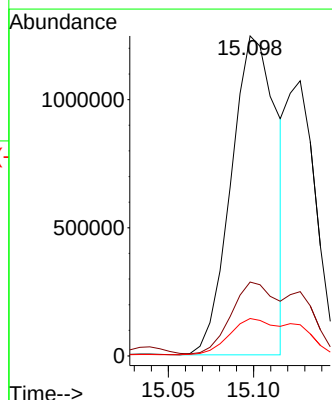
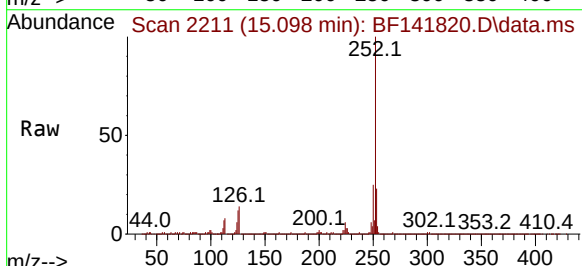
Tgt Ion:252 Resp: 2307739

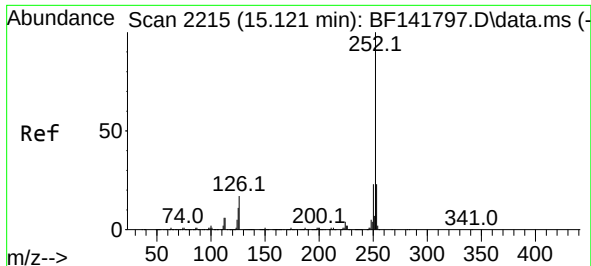
Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 11.7 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 122.320 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

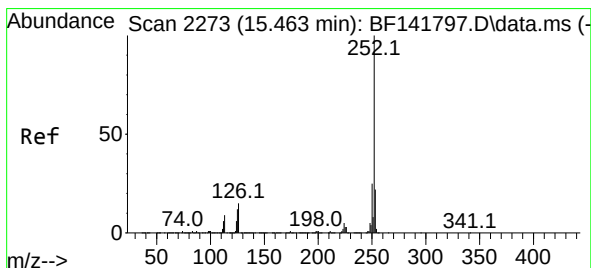
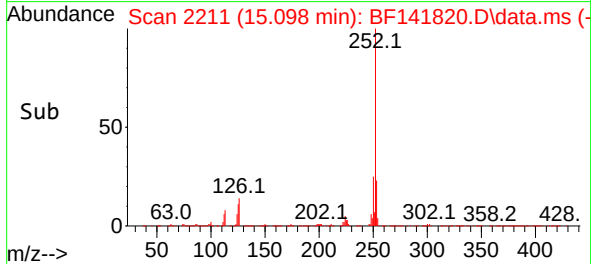
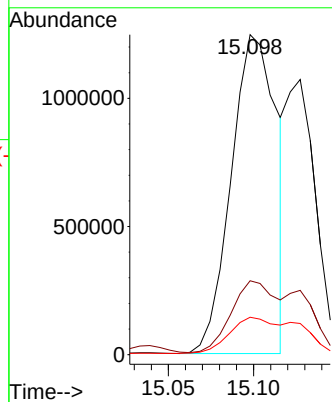
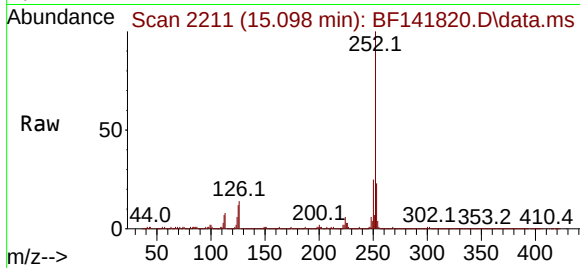
Tgt Ion:252 Resp: 2307739

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

125 11.7 8.8 13.2



#90

Benzo(a)pyrene

Concen: 97.534 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

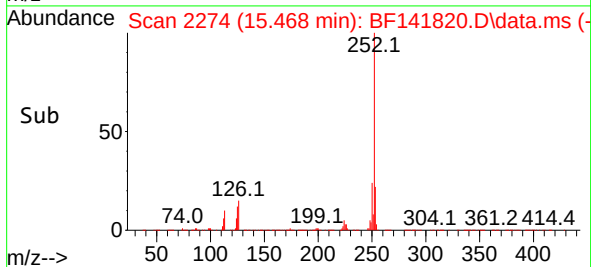
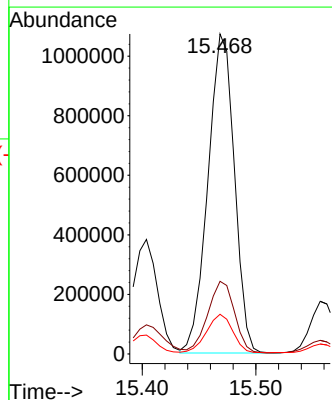
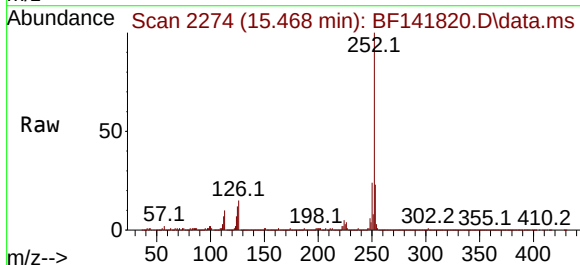
Tgt Ion:252 Resp: 1736263

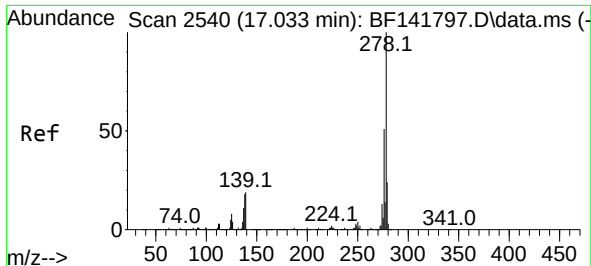
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 12.4 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 47.270 ng

RT: 17.045 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Instrument :

BNA_F

ClientSampleId :

TR-04-02282025MSD

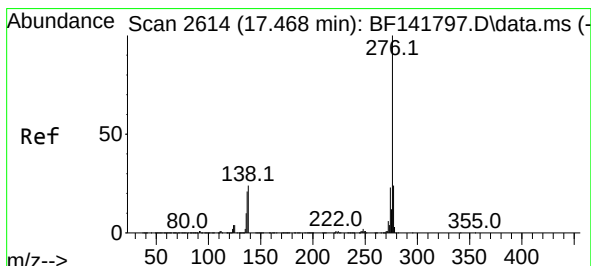
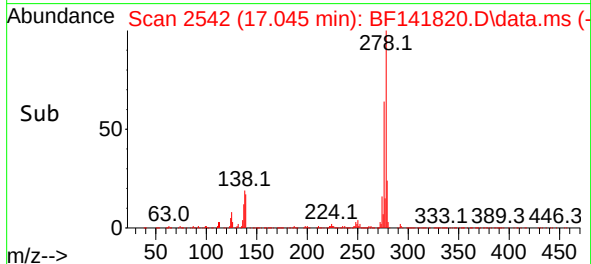
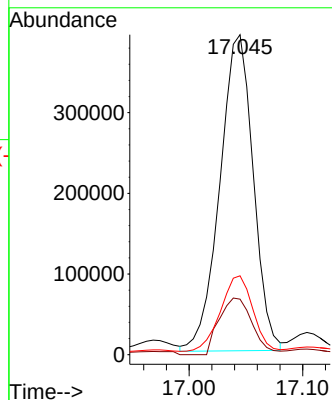
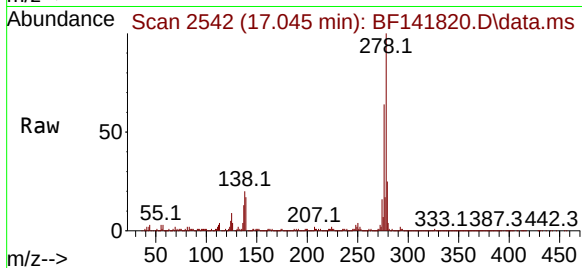
Tgt Ion:278 Resp: 800626

Ion Ratio Lower Upper

278 100

139 17.3 14.9 22.3

279 24.7 19.3 28.9



#92

Benzo(g,h,i)perylene

Concen: 58.172 ng

RT: 17.480 min Scan# 2616

Delta R.T. 0.012 min

Lab File: BF141820.D

Acq: 03 Mar 2025 18:45

Tgt Ion:276 Resp: 1009379

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.0

138 23.1 19.3 28.9

