

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141838.D
 Acq On : 05 Mar 2025 11:45
 Operator : RC/JU
 Sample : Q1480-17DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3DL

Quant Time: Mar 05 12:18:37 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)

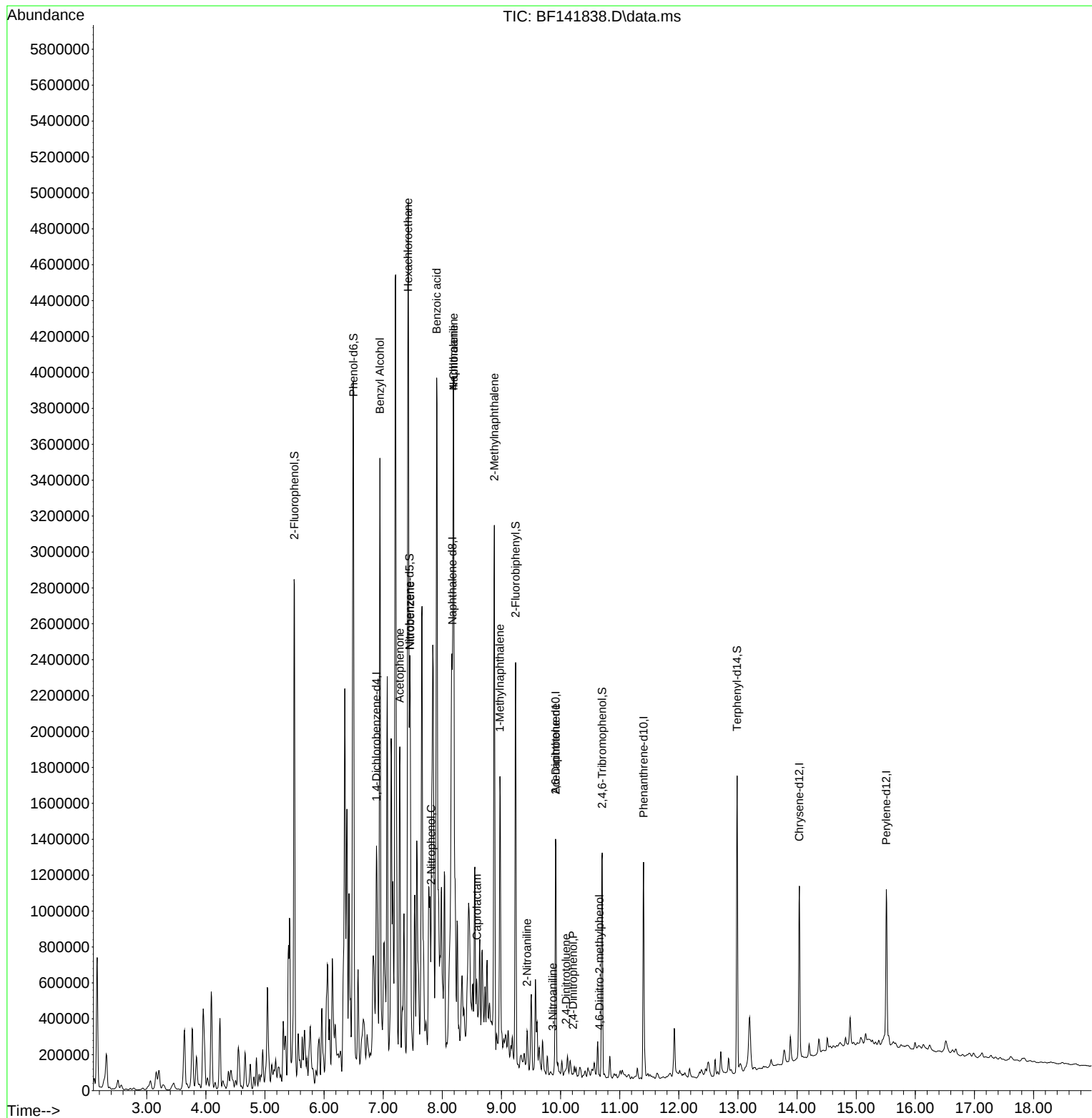
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	204132	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	734332	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	391329	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	594460	20.000	ng	0.00
76) Chrysene-d12	14.039	240	447650	20.000	ng	-0.01
86) Perylene-d12	15.509	264	484659	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	699188	54.700	ng	0.00
7) Phenol-d6	6.498	99	861154	51.760	ng	-0.01
23) Nitrobenzene-d5	7.445	82	557714	48.546	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	199920	54.417	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	952421	39.025	ng	0.00
79) Terphenyl-d14	12.986	244	772476	27.919	ng	-0.01
Target Compounds						Qvalue
15) Benzyl Alcohol	6.945	79	129126	9.711	ng	# 9
18) Hexachloroethane	7.422	117	368093	65.913	ng	# 1
22) Acetophenone	7.281	105	716020	40.035	ng	# 56
24) Nitrobenzene	7.457	77	38070	3.095	ng	# 11
26) 2-Nitrophenol	7.810	139	2265	4.923	ng	# 1
31) Naphthalene	8.192	128	1653086	43.800	ng	99
32) Benzoic acid	7.904	122	212	7.714	ng	# 1
33) 4-Chloroaniline	8.192	127	215961	15.606	ng	# 38
35) Caprolactam	8.586	113	7758	2.409	ng	# 1
37) 2-Methylnaphthalene	8.880	142	1115723	45.070	ng	100
38) 1-Methylnaphthalene	8.975	142	544915	22.941	ng	99
48) 2-Nitroaniline	9.433	65	947	4.482	ng	# 39
51) 2,6-Dinitrotoluene	9.916	165	55139	13.179	ng	# 22
53) 3-Nitroaniline	9.869	138	171	2.997	ng	# 55
54) 2,4-Dinitrophenol	10.210	184	677	6.157	ng	# 1
57) 2,4-Dinitrotoluene	10.092	165	2818	3.951	ng	# 69
65) 4,6-Dinitro-2-methylph...	10.657	198	55	8.142	ng	# 1

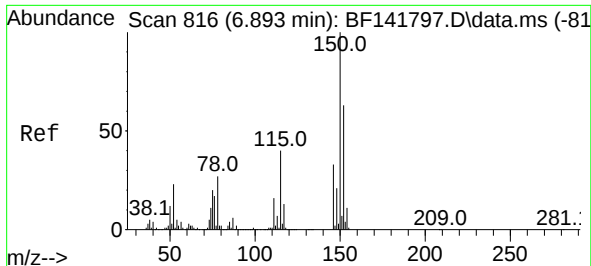
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
Data File : BF141838.D
Acq On : 05 Mar 2025 11:45
Operator : RC/JU
Sample : Q1480-17DL 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3DL

Quant Time: Mar 05 12:18:37 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

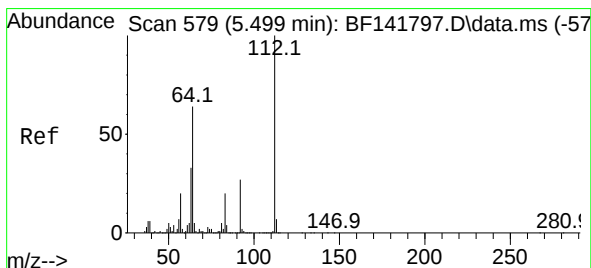
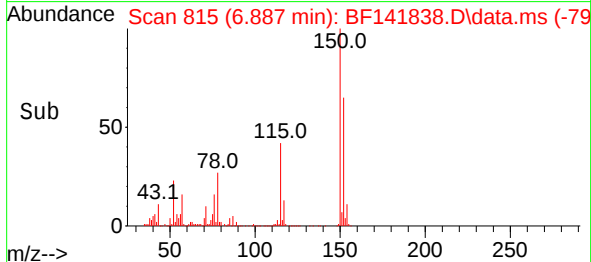
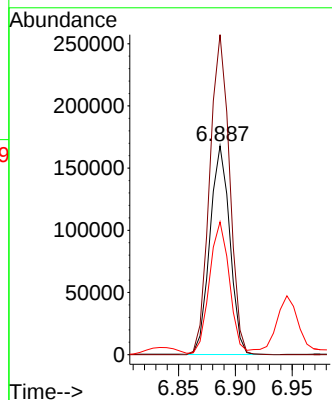
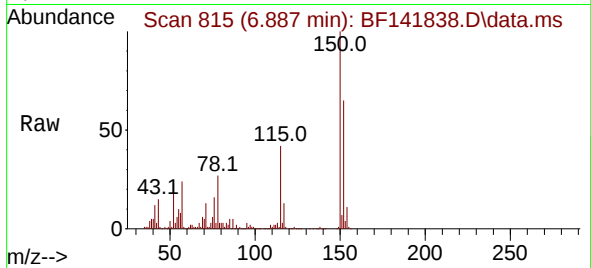




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

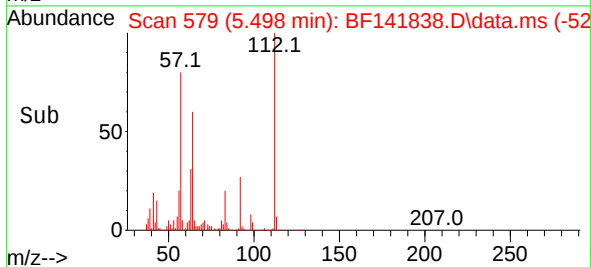
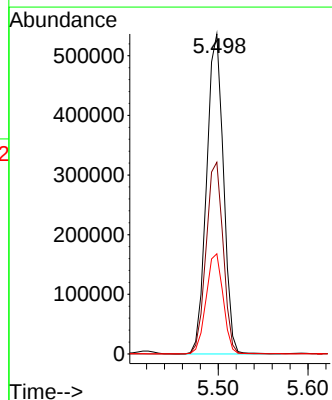
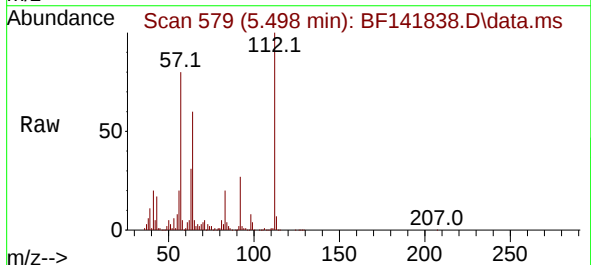
Instrument :
BNA_F
ClientSampleId :
TP-3DL

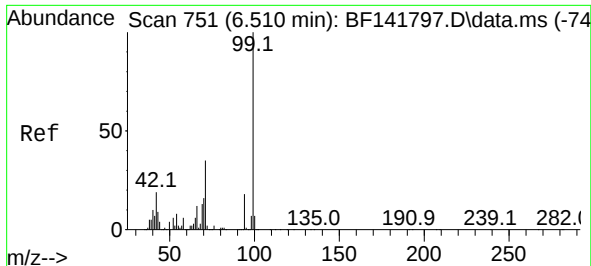
Tgt Ion:152 Resp: 204132
Ion Ratio Lower Upper
152 100
150 153.3 127.5 191.3
115 63.6 51.4 77.2



#5
2-Fluorophenol
Concen: 54.700 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

Tgt Ion:112 Resp: 699188
Ion Ratio Lower Upper
112 100
64 59.9 51.3 76.9
63 31.3 26.2 39.4

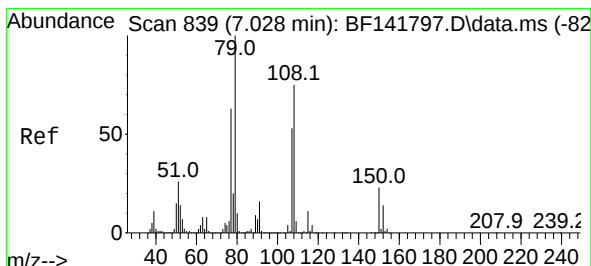
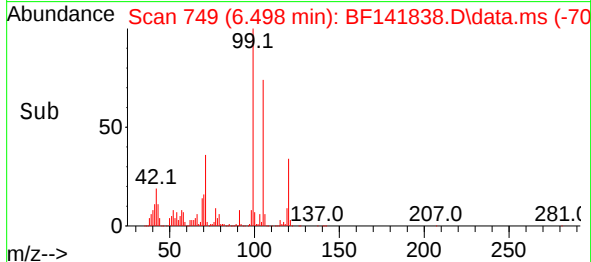
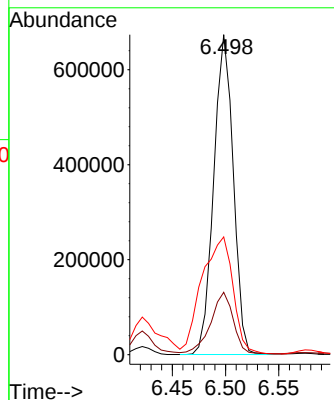
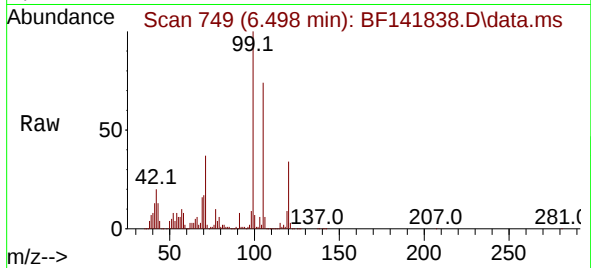




#7
Phenol-d6
Concen: 51.760 ng
RT: 6.498 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

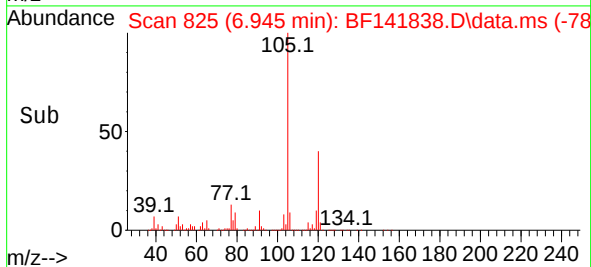
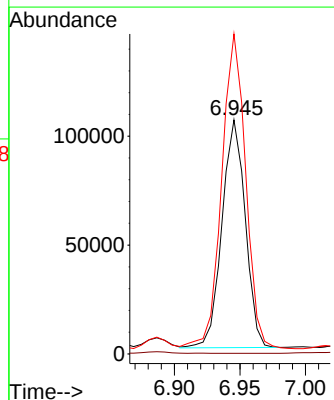
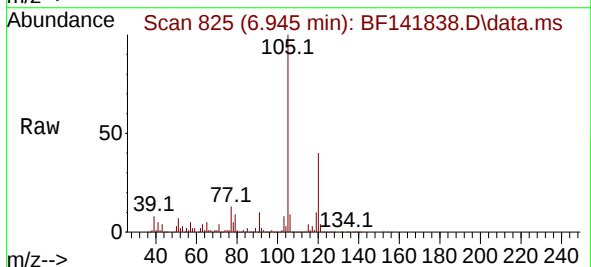
Instrument :
BNA_F
ClientSampleId :
TP-3DL

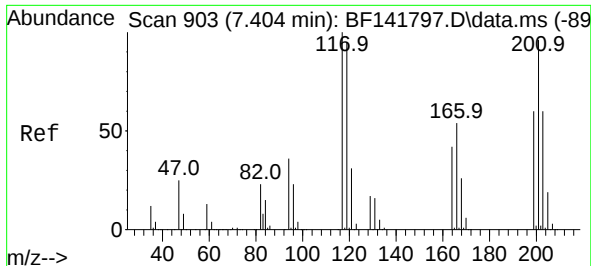
Tgt Ion: 99 Resp: 861154
Ion Ratio Lower Upper
99 100
42 19.5 15.2 22.8
71 36.8 28.2 42.2



#15
Benzyl Alcohol
Concen: 9.711 ng
RT: 6.945 min Scan# 825
Delta R.T. -0.083 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

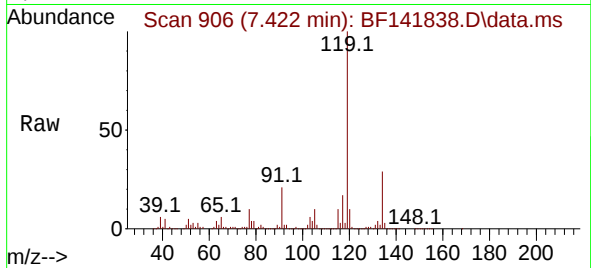
Tgt Ion: 79 Resp: 129126
Ion Ratio Lower Upper
79 100
108 0.3 60.2 90.2#
77 136.7 50.2 75.2#



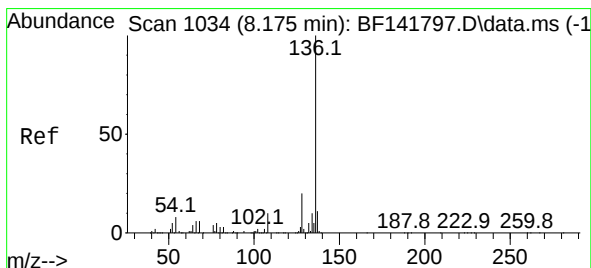
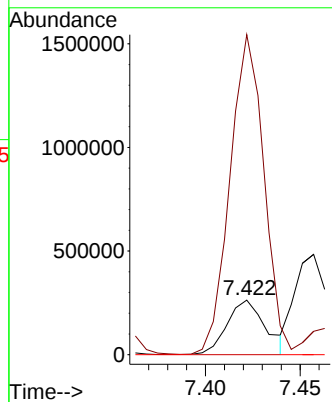
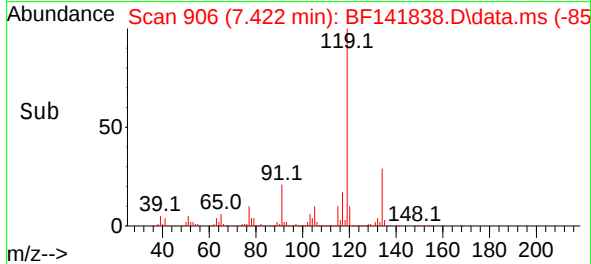


#18
Hexachloroethane
Concen: 65.913 ng
RT: 7.422 min Scan# 903
Delta R.T. 0.017 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

Instrument :
BNA_F
ClientSampleId :
TP-3DL

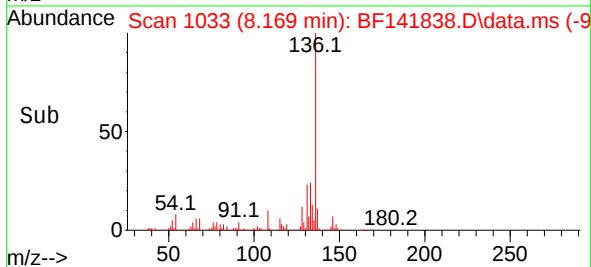
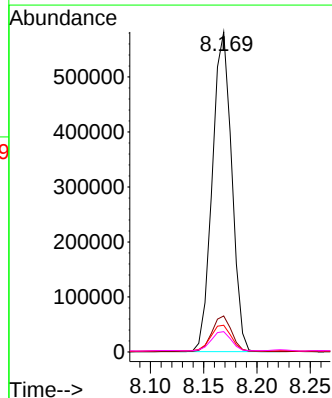
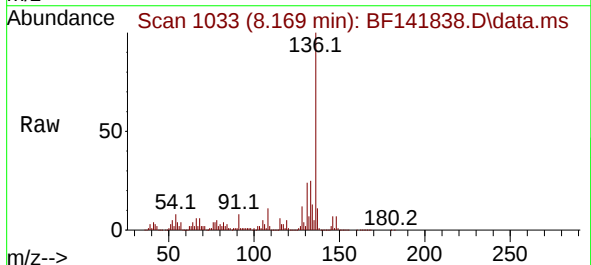


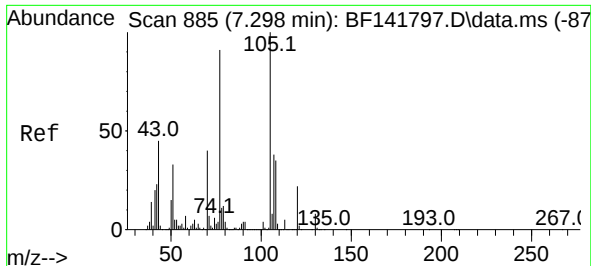
Tgt Ion:117 Resp: 368093
Ion Ratio Lower Upper
117 100
119 586.3 75.8 113.8#
201 0.0 76.7 115.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

Tgt Ion:136 Resp: 734332
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.3 6.9 10.3
68 6.4 5.1 7.7

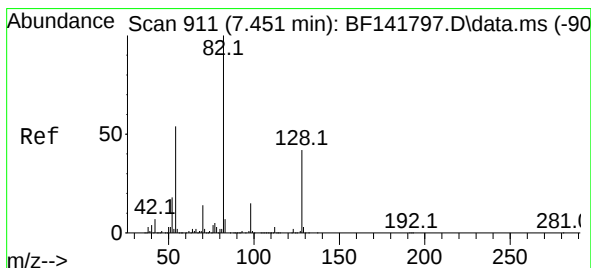
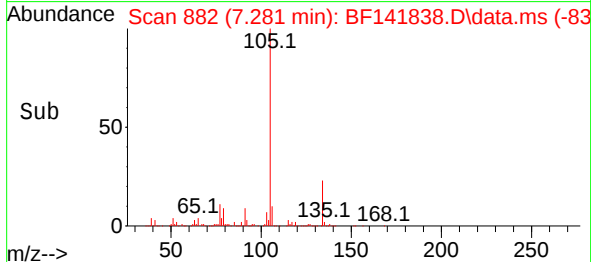
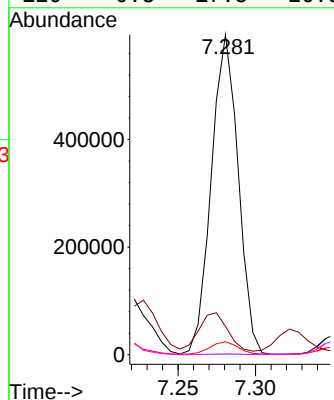
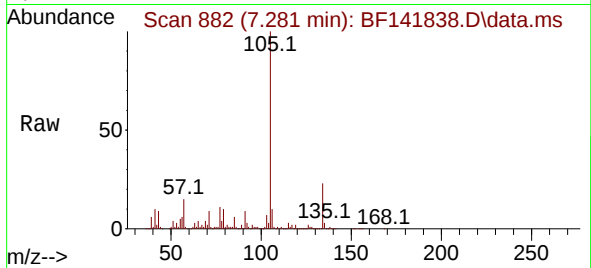




#22
Acetophenone
Concen: 40.035 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.018 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

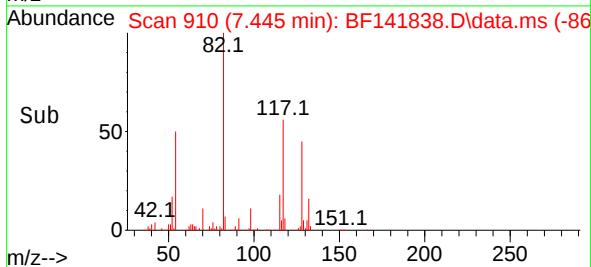
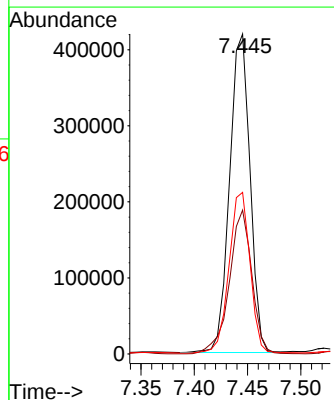
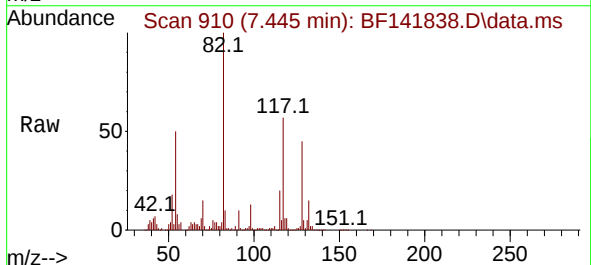
Instrument :
BNA_F
ClientSampleId :
TP-3DL

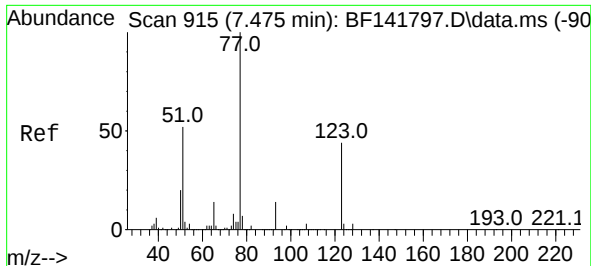
Tgt Ion:105 Resp: 716020
Ion Ratio Lower Upper
105 100
71 8.9 5.4 8.0#
51 4.0 26.1 39.1#
120 0.3 17.5 26.3#



#23
Nitrobenzene-d5
Concen: 48.546 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

Tgt Ion: 82 Resp: 557714
Ion Ratio Lower Upper
82 100
128 44.9 33.5 50.3
54 50.5 42.7 64.1

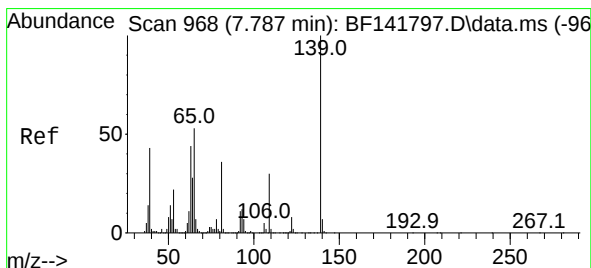
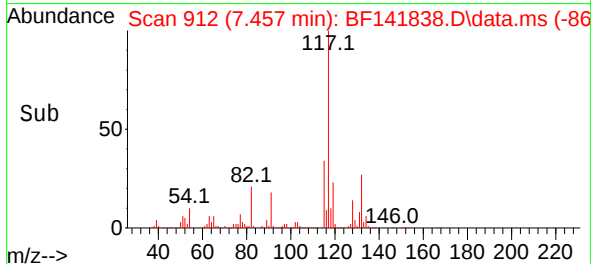
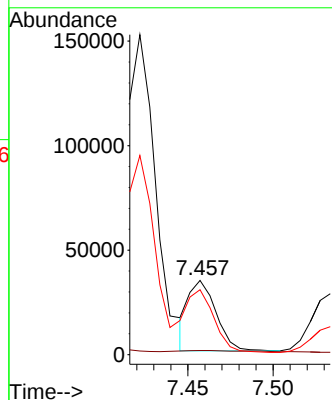
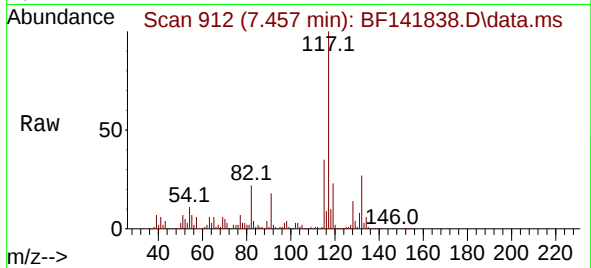




#24
Nitrobenzene
Concen: 3.095 ng
RT: 7.457 min Scan# 915
Delta R.T. -0.018 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

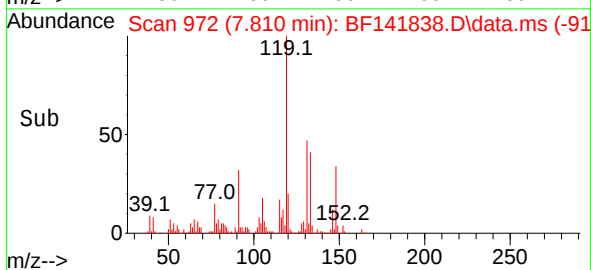
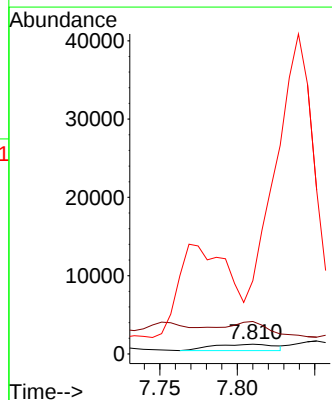
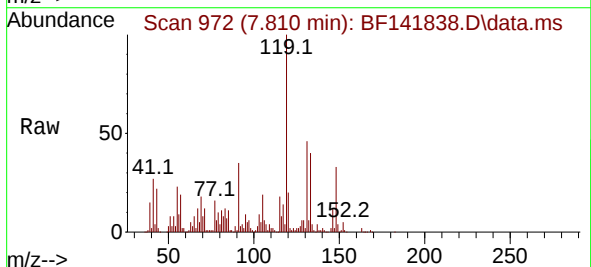
Instrument :
BNA_F
ClientSampleId :
TP-3DL

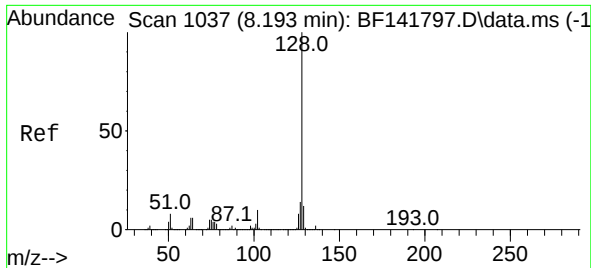
Tgt Ion: 77 Resp: 38070
Ion Ratio Lower Upper
77 100
123 5.7 35.8 53.8#
65 87.5 11.2 16.8#



#26
2-Nitrophenol
Concen: 4.923 ng
RT: 7.810 min Scan# 972
Delta R.T. 0.023 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

Tgt Ion:139 Resp: 2265
Ion Ratio Lower Upper
139 100
109 332.7 24.1 36.1#
65 750.4 42.3 63.5#

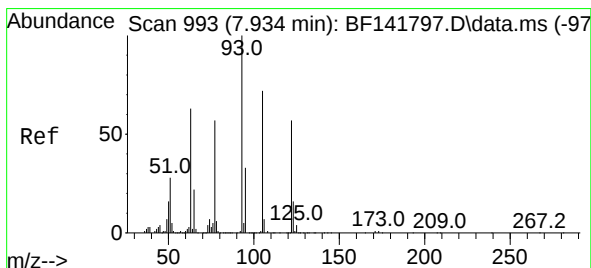
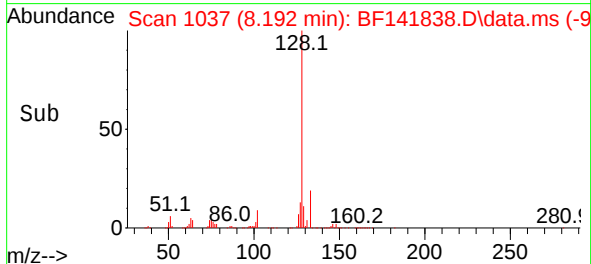
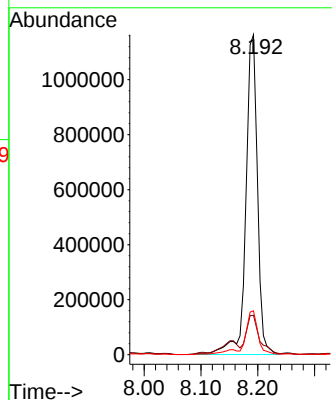
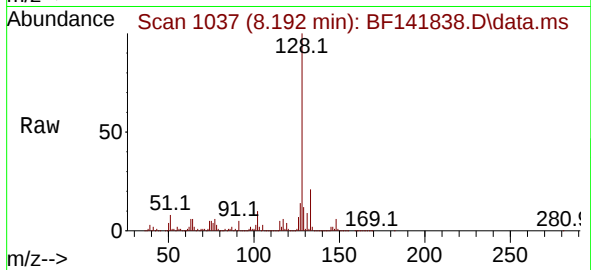




#31
Naphthalene
Concen: 43.800 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

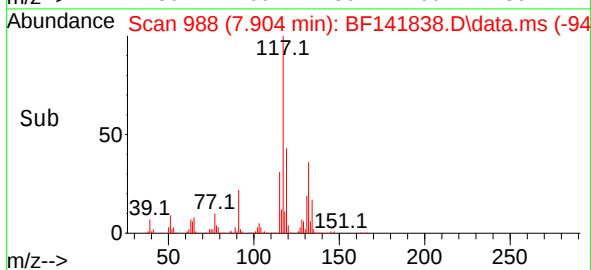
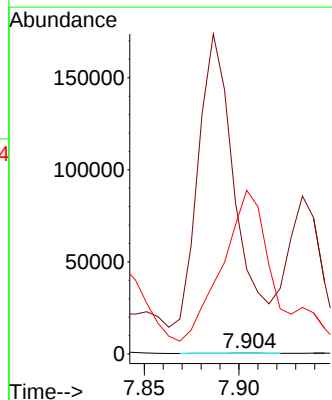
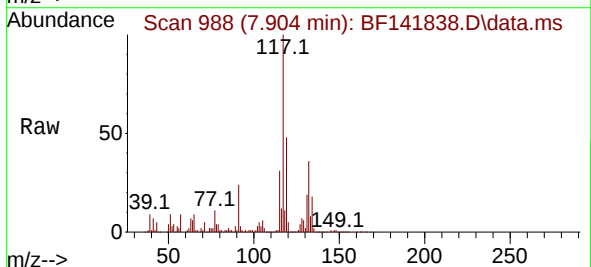
Instrument :
BNA_F
ClientSampleId :
TP-3DL

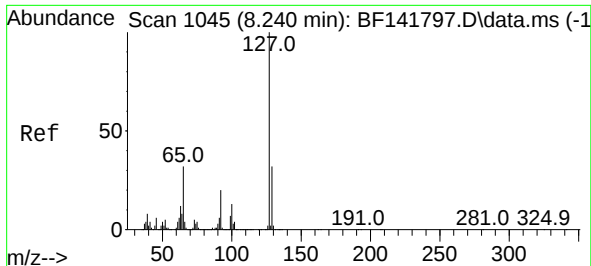
Tgt Ion:128 Resp: 1653086
Ion Ratio Lower Upper
128 100
129 12.3 9.2 13.8
127 13.7 11.0 16.4



#32
Benzoic acid
Concen: 7.714 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.030 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

Tgt Ion:122 Resp: 212
Ion Ratio Lower Upper
122 100
105 9854.1 105.8 145.8#
77 19074.7 79.9 119.9#





#33

4-Chloroaniline

Concen: 15.606 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.047 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

Instrument :

BNA_F

ClientSampleId :

TP-3DL

Tgt Ion:127 Resp: 215961

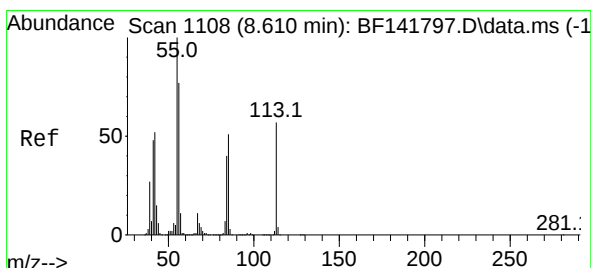
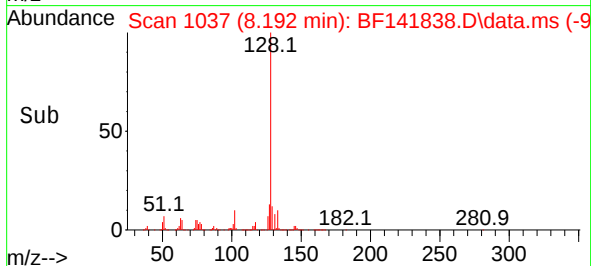
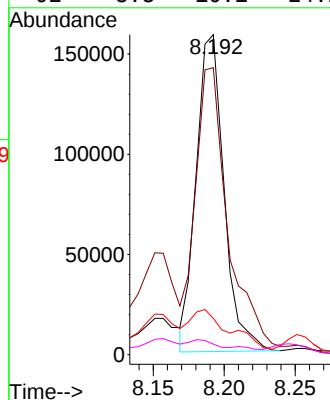
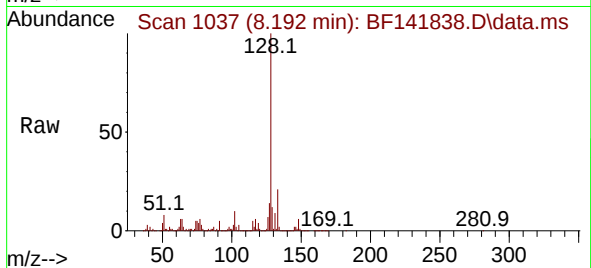
Ion Ratio Lower Upper

127 100

129 89.7 26.1 39.1#

65 11.3 25.7 38.5#

92 3.3 16.1 24.1#



#35

Caprolactam

Concen: 2.409 ng

RT: 8.586 min Scan# 1104

Delta R.T. -0.024 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

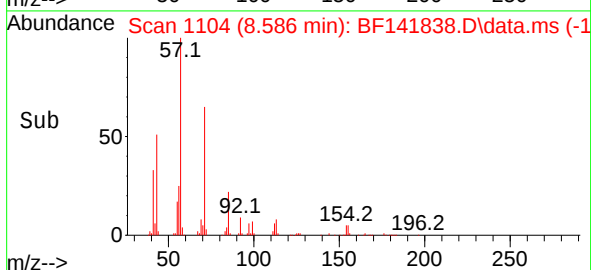
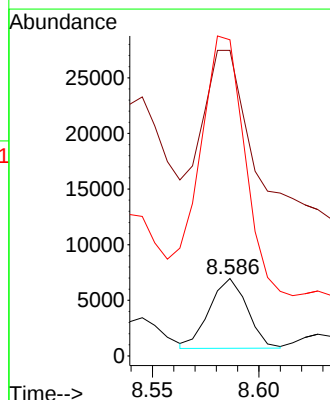
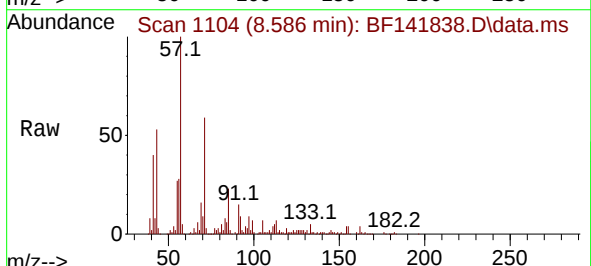
Tgt Ion:113 Resp: 7758

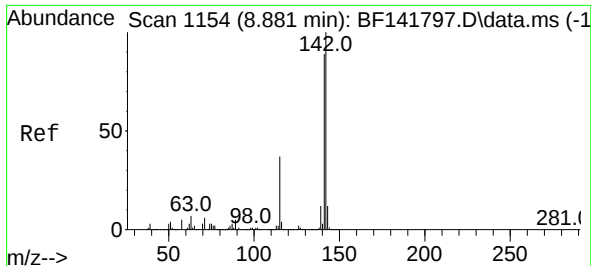
Ion Ratio Lower Upper

113 100

55 394.5 155.6 195.6#

56 408.2 114.6 154.6#

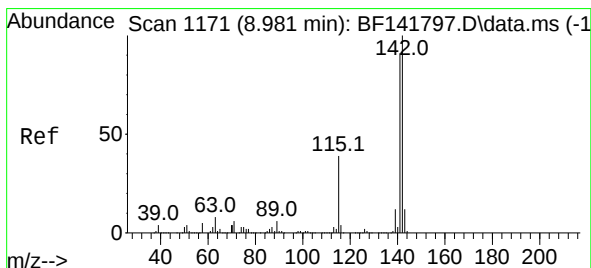
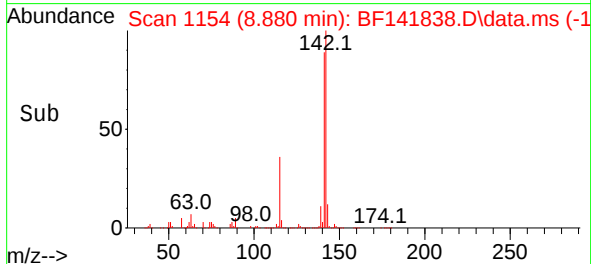
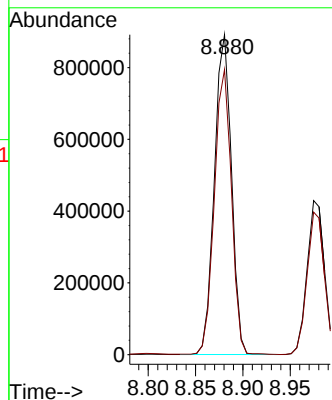
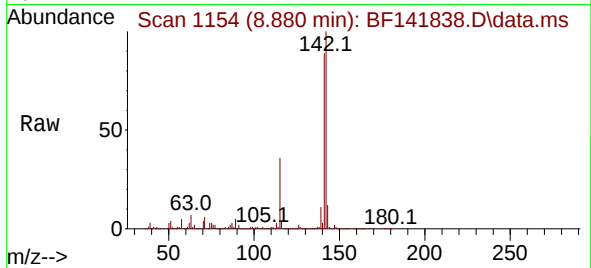




#37
2-Methylnaphthalene
Concen: 45.070 ng
RT: 8.880 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

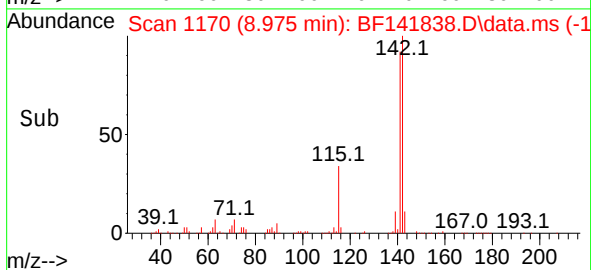
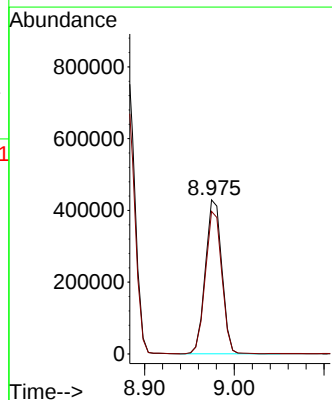
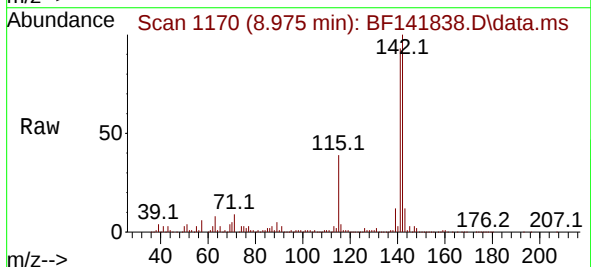
Instrument :
BNA_F
ClientSampleId :
TP-3DL

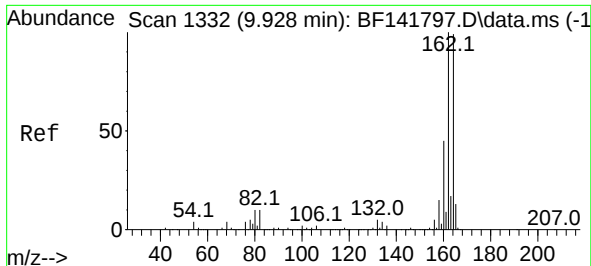
Tgt Ion:142 Resp: 1115723
Ion Ratio Lower Upper
142 100
141 89.1 71.1 106.7



#38
1-Methylnaphthalene
Concen: 22.941 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141838.D
Acq: 05 Mar 2025 11:45

Tgt Ion:142 Resp: 544915
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 14

Delta R.T. -0.012 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

Instrument :

BNA_F

ClientSampleId :

TP-3DL

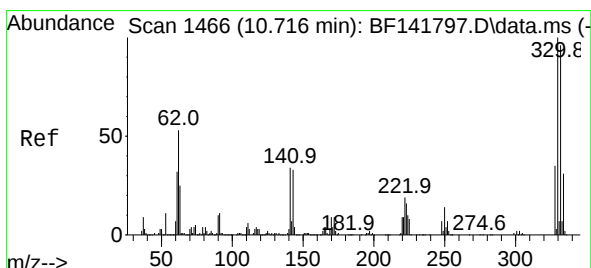
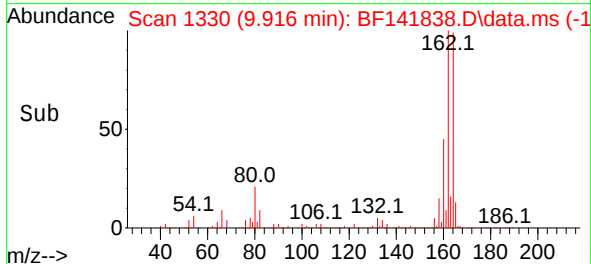
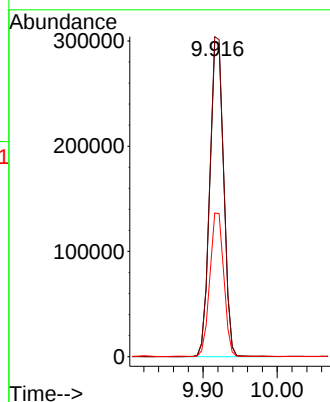
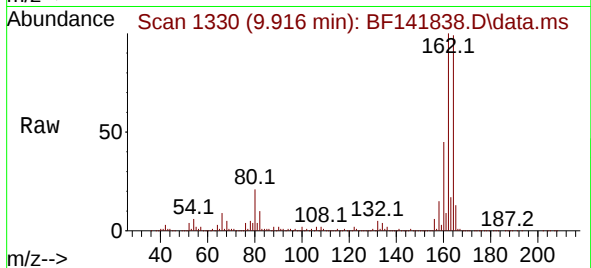
Tgt Ion:164 Resp: 391329

Ion Ratio Lower Upper

164 100

162 101.4 80.6 120.8

160 45.6 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 54.417 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

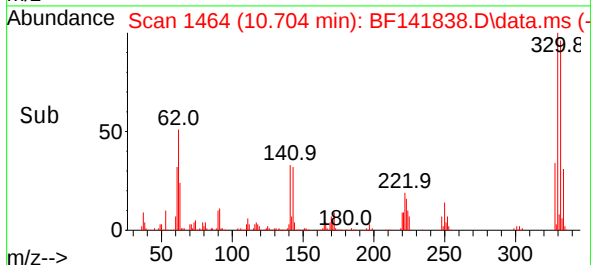
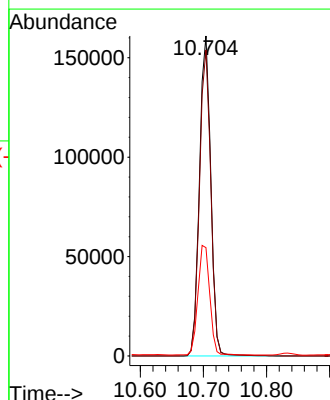
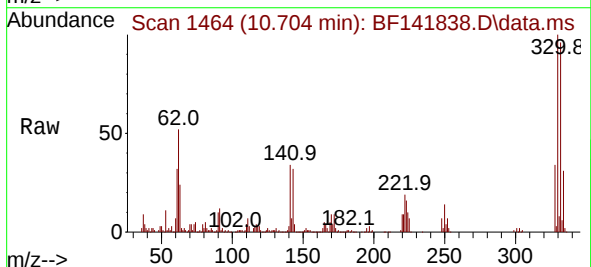
Tgt Ion:330 Resp: 199920

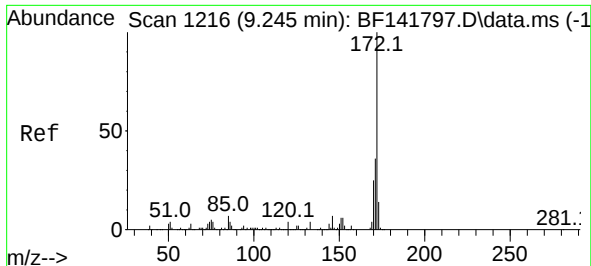
Ion Ratio Lower Upper

330 100

332 95.4 76.6 115.0

141 35.8 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 39.025 ng

RT: 9.239 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

Instrument :

BNA_F

ClientSampleId :

TP-3DL

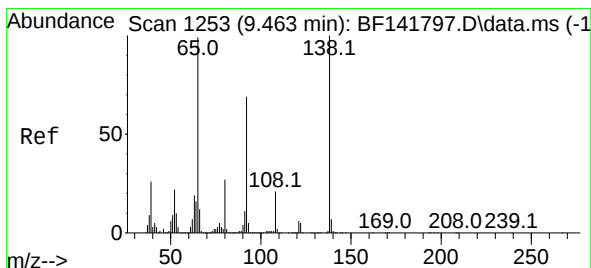
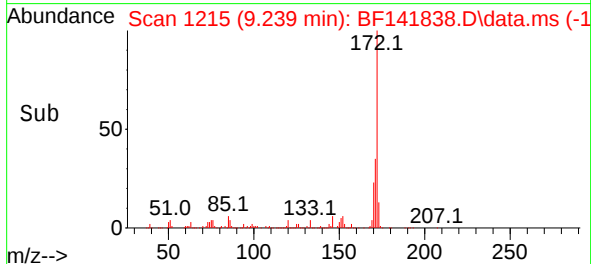
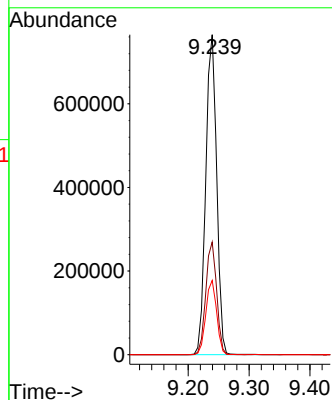
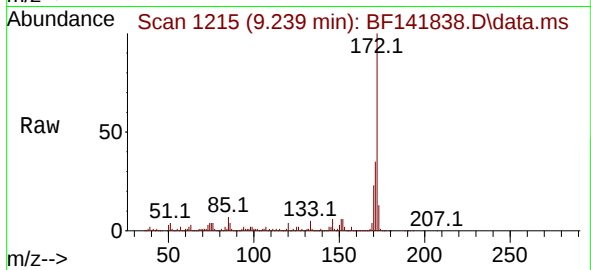
Tgt Ion:172 Resp: 952421

Ion Ratio Lower Upper

172 100

171 35.2 29.2 43.8

170 23.2 19.7 29.5



#48

2-Nitroaniline

Concen: 4.482 ng

RT: 9.433 min Scan# 1248

Delta R.T. -0.030 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

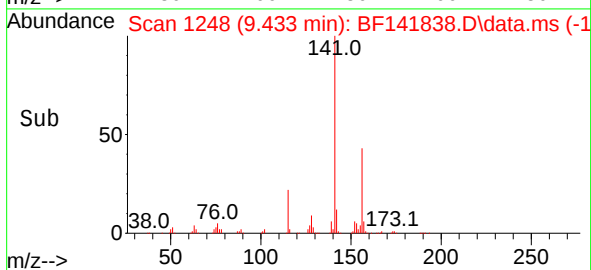
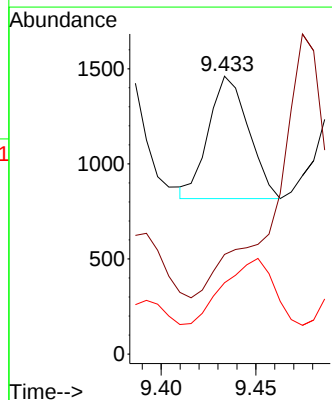
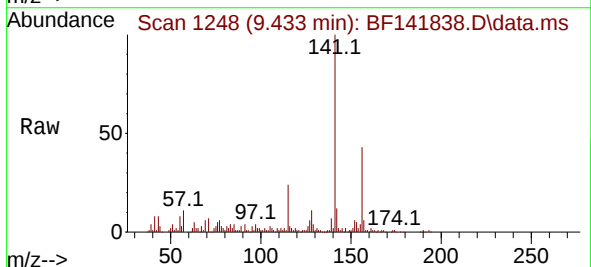
Tgt Ion: 65 Resp: 947

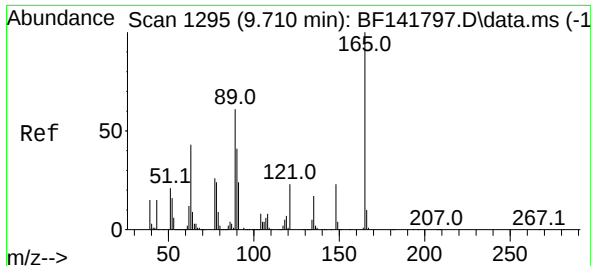
Ion Ratio Lower Upper

65 100

92 35.9 55.7 83.5#

138 25.7 80.6 121.0#





#51

2,6-Dinitrotoluene

Concen: 13.179 ng

RT: 9.916 min Scan# 14

Delta R.T. 0.206 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

Instrument :

BNA_F

ClientSampleId :

TP-3DL

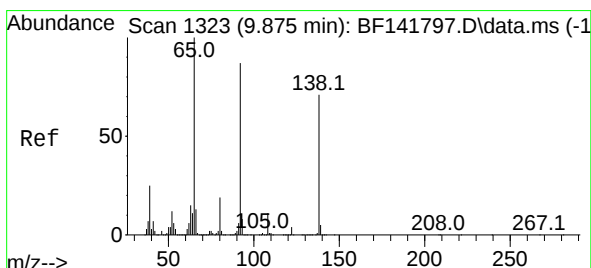
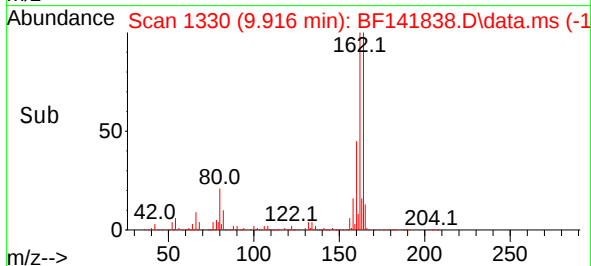
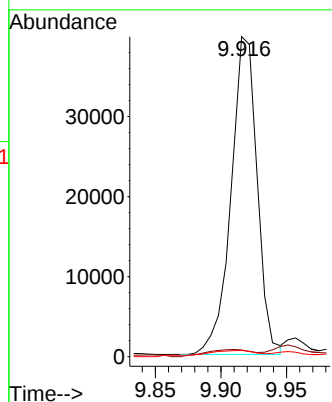
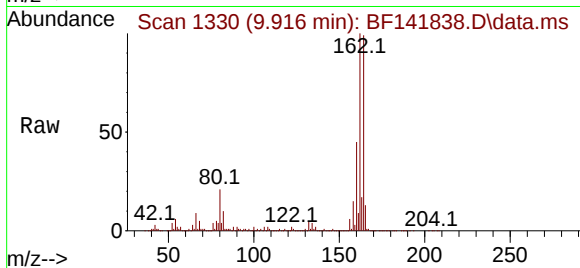
Tgt Ion:165 Resp: 55139

Ion Ratio Lower Upper

165 100

63 2.1 49.5 74.3#

89 2.0 49.0 73.4#



#53

3-Nitroaniline

Concen: 2.997 ng

RT: 9.869 min Scan# 1322

Delta R.T. -0.006 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

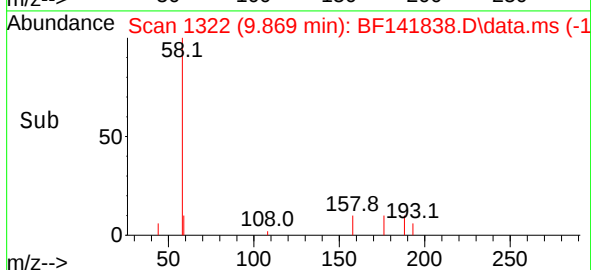
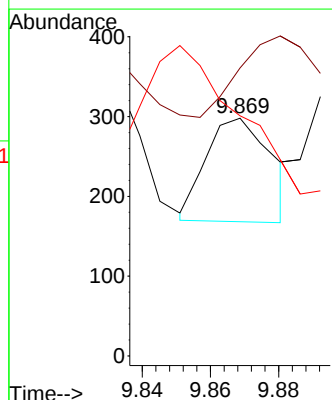
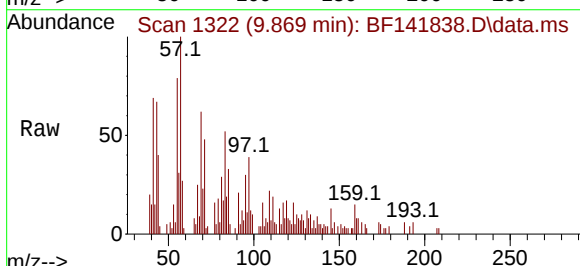
Tgt Ion:138 Resp: 171

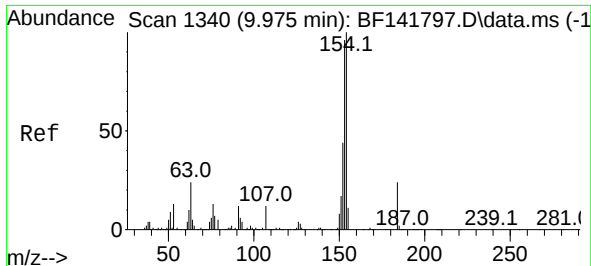
Ion Ratio Lower Upper

138 100

108 121.1 12.7 19.1#

92 101.0 97.9 146.9





#54

2,4-Dinitrophenol

Concen: 6.157 ng

RT: 10.210 min Scan# 1380

Delta R.T. 0.235 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

Instrument :

BNA_F

ClientSampleId :

TP-3DL

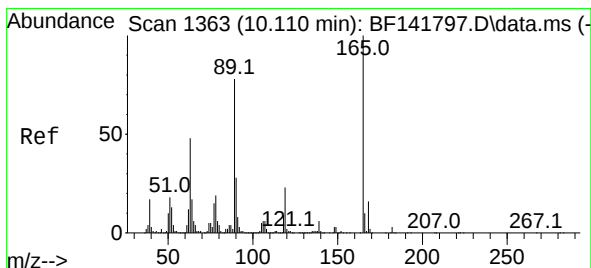
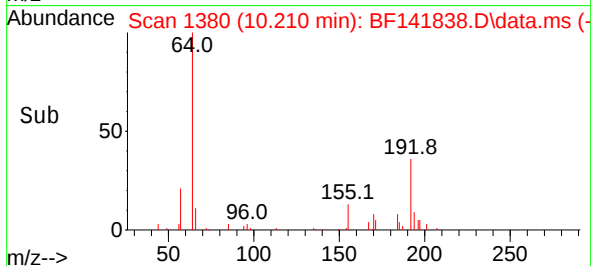
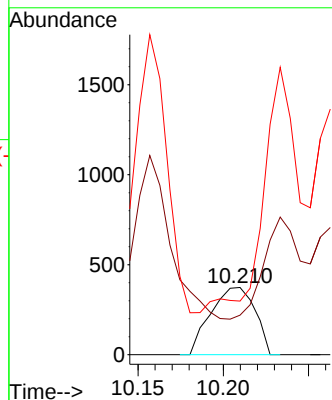
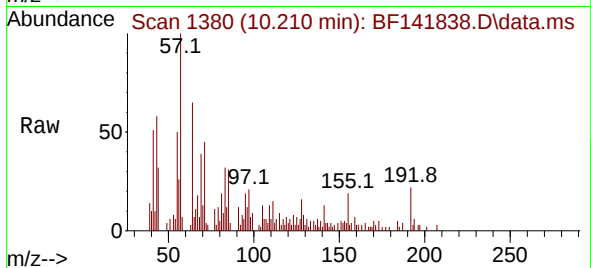
Tgt Ion:184 Resp: 677

Ion Ratio Lower Upper

184 100

63 58.8 79.0 118.6#

154 79.7 335.8 503.8#



#57

2,4-Dinitrotoluene

Concen: 3.951 ng

RT: 10.092 min Scan# 1360

Delta R.T. -0.018 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

Tgt Ion:165 Resp: 2818

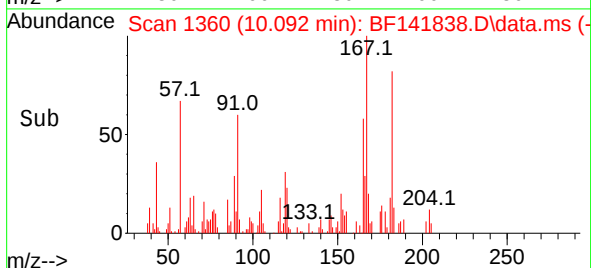
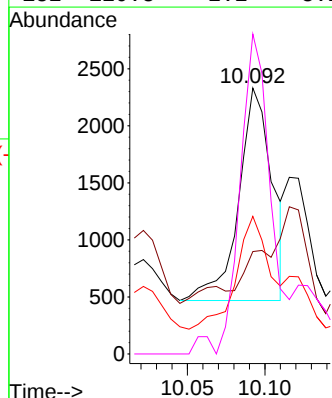
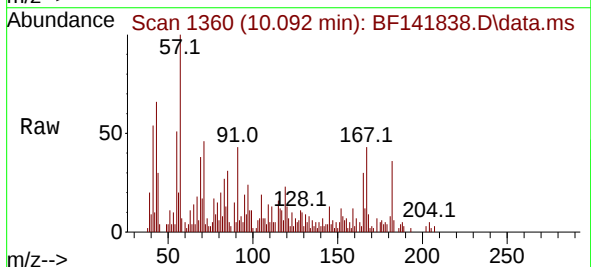
Ion Ratio Lower Upper

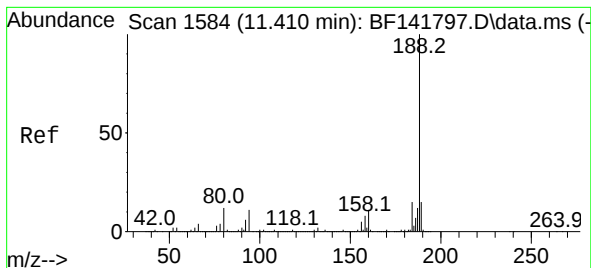
165 100

63 38.5 38.8 58.2#

89 51.7 62.6 94.0#

182 120.3 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

Instrument :

BNA_F

ClientSampleId :

TP-3DL

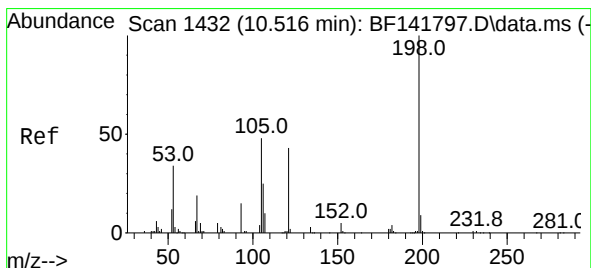
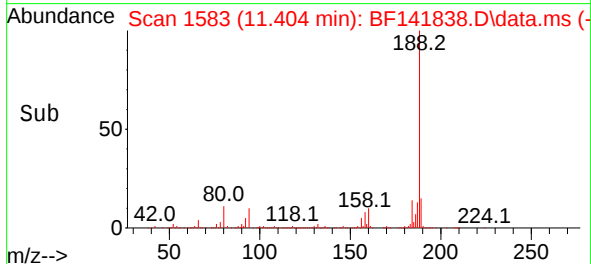
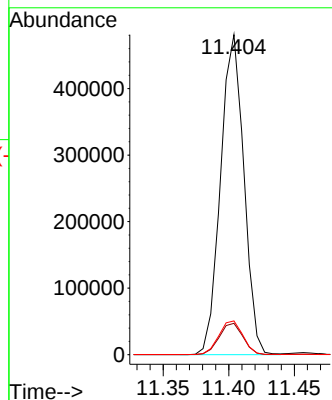
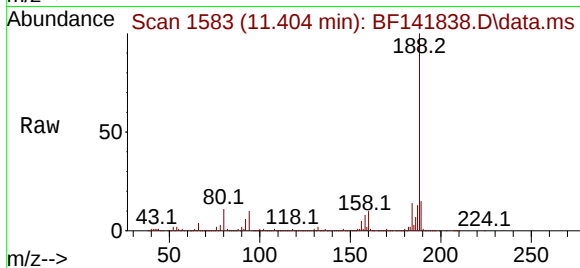
Tgt Ion:188 Resp: 594460

Ion Ratio Lower Upper

188 100

94 9.8 8.9 13.3

80 10.6 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.142 ng

RT: 10.657 min Scan# 1456

Delta R.T. 0.141 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

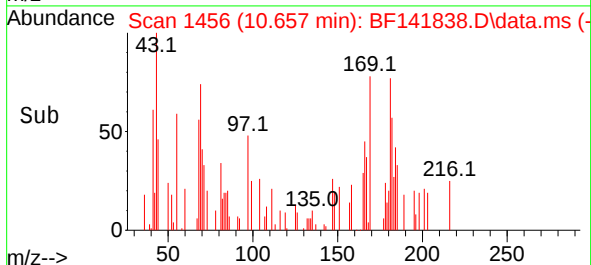
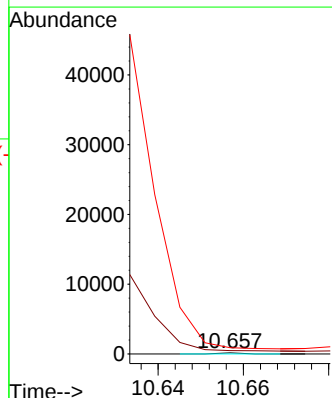
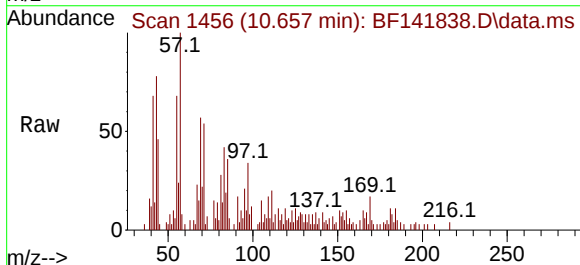
Tgt Ion:198 Resp: 55

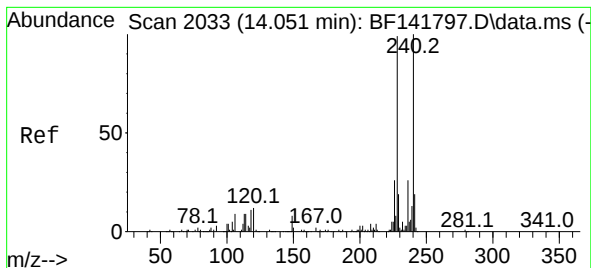
Ion Ratio Lower Upper

198 100

51 312.9 32.1 72.1#

105 577.4 28.5 68.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

Instrument :

BNA_F

ClientSampleId :

TP-3DL

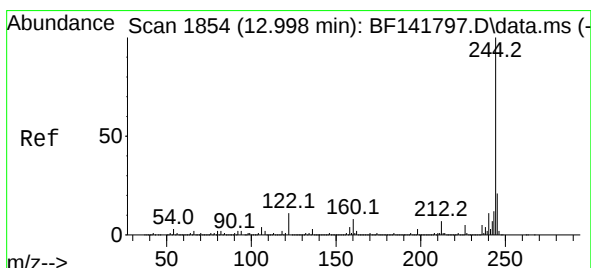
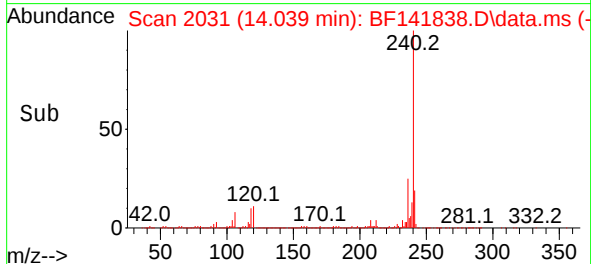
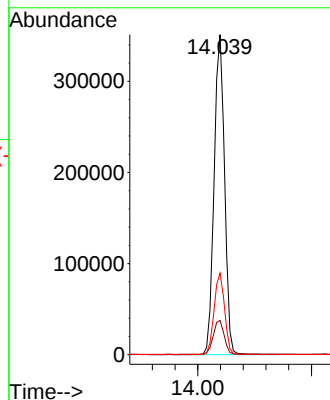
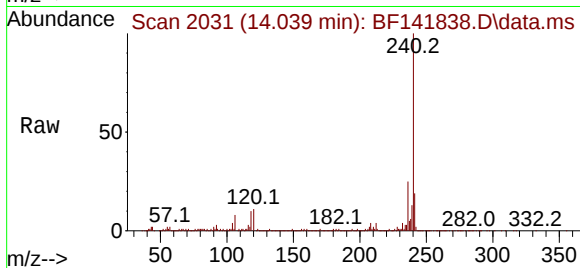
Tgt Ion:240 Resp: 447650

Ion Ratio Lower Upper

240 100

120 10.7 9.7 14.5

236 25.5 21.0 31.4



#79

Terphenyl-d14

Concen: 27.919 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141838.D

Acq: 05 Mar 2025 11:45

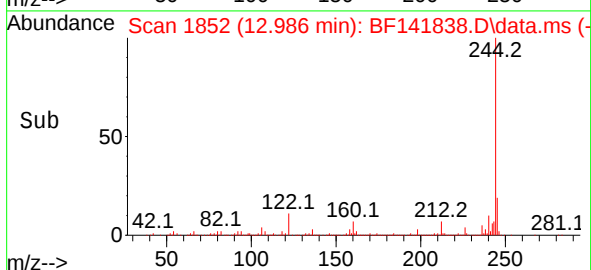
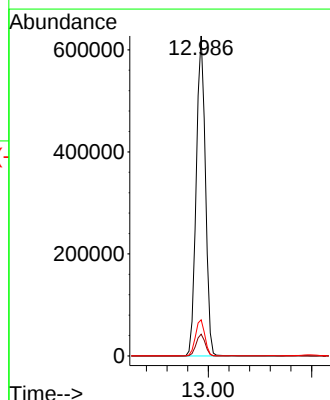
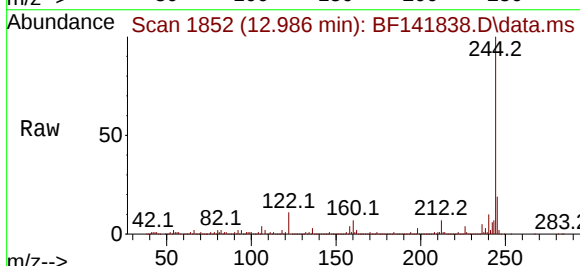
Tgt Ion:244 Resp: 772476

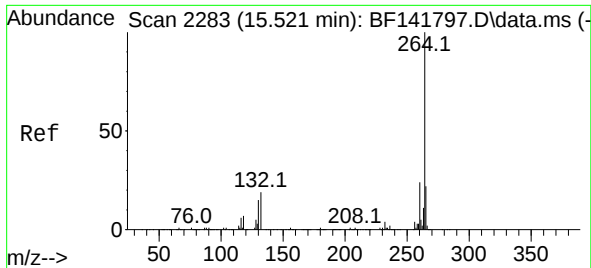
Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 11.3 9.0 13.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141838.D

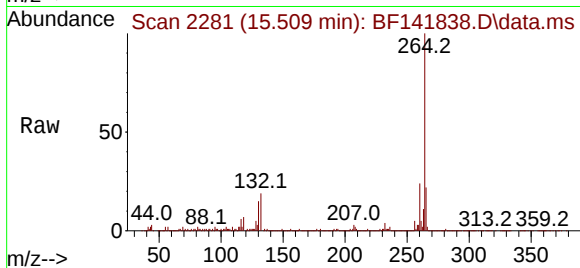
Acq: 05 Mar 2025 11:45

Instrument :

BNA_F

ClientSampleId :

TP-3DL



Tgt Ion:264 Resp: 484659

Ion Ratio Lower Upper

264 100

260 24.0 18.9 28.3

265 22.3 17.4 26.0

