

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110624\
 Data File : BF140257.D
 Acq On : 06 Nov 2024 15:25
 Operator : RC/JU
 Sample : P4709-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-110424

Quant Time: Nov 06 15:59:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

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

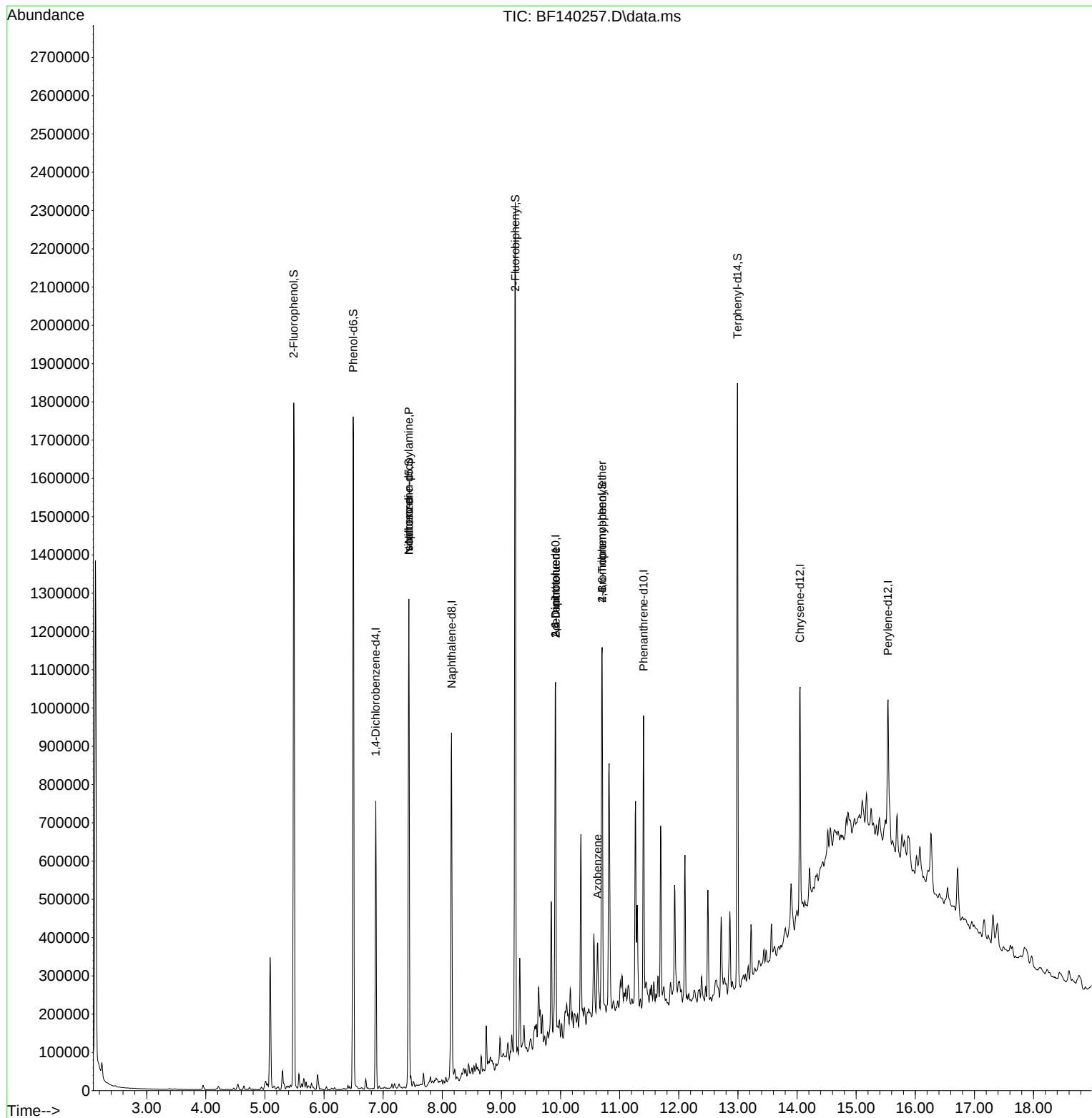
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	147900	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	535760	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	278758	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	386308	20.000	ng	0.00
76) Chrysene-d12	14.051	240	294782	20.000	ng	-0.01
86) Perylene-d12	15.539	264	223360	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	639330	71.636	ng	0.00
7) Phenol-d6	6.493	99	808207	70.406	ng	-0.01
23) Nitrobenzene-d5	7.434	82	549070	50.953	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	165969	60.235	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	976794	55.953	ng	0.00
79) Terphenyl-d14	12.992	244	765833	42.558	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	75361	10.291	ng	# 77
25) Isophorone	7.434	82	540586	29.135	ng	# 67
51) 2,6-Dinitrotoluene	9.916	165	40018	9.917	ng	# 23
57) 2,4-Dinitrotoluene	9.916	165	40018	7.642	ng	# 20
63) Azobenzene	10.628	77	45672	2.583	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	10720	2.577	ng	# 1

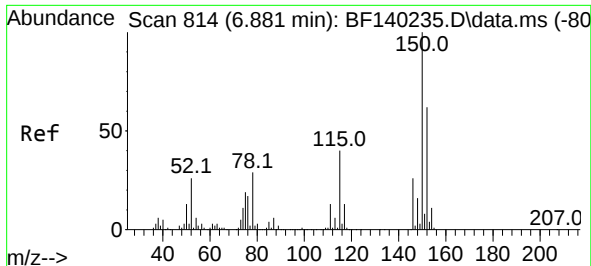
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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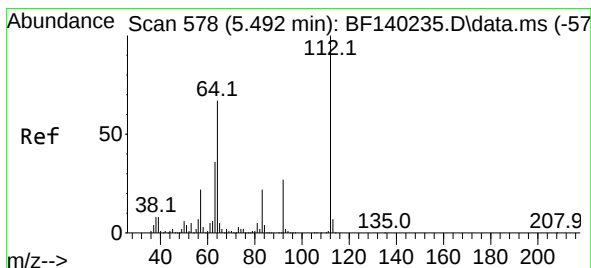
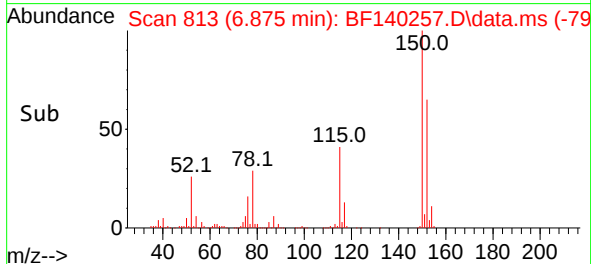
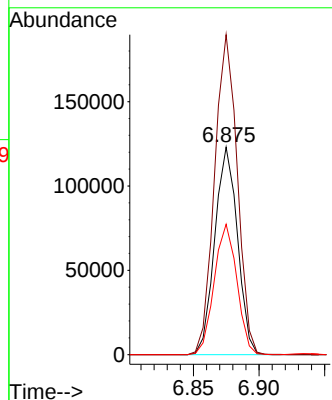
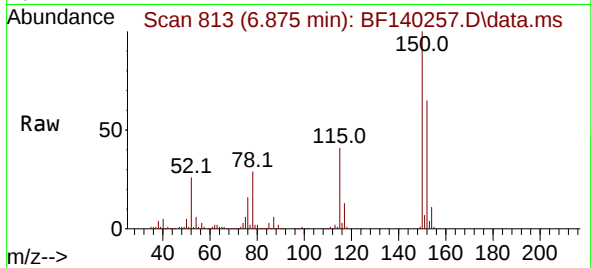




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

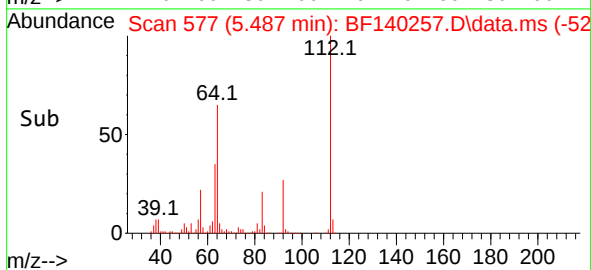
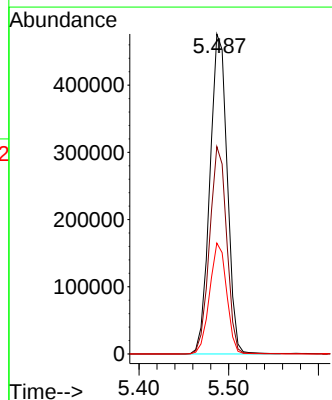
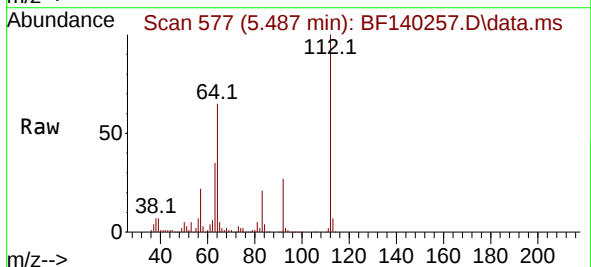
Instrument :
BNA_F
ClientSampleId :
HR-02-110424

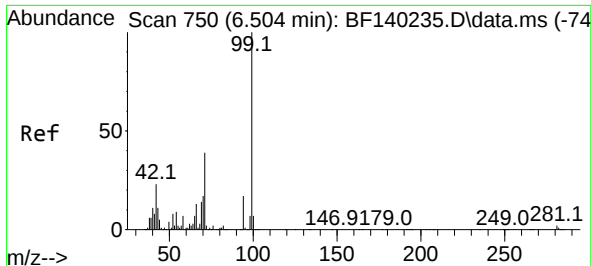
Tgt Ion:152 Resp: 147900
Ion Ratio Lower Upper
152 100
150 154.2 129.4 194.2
115 62.9 51.5 77.3



#5
2-Fluorophenol
Concen: 71.636 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

Tgt Ion:112 Resp: 639330
Ion Ratio Lower Upper
112 100
64 64.8 53.4 80.2
63 34.6 28.9 43.3

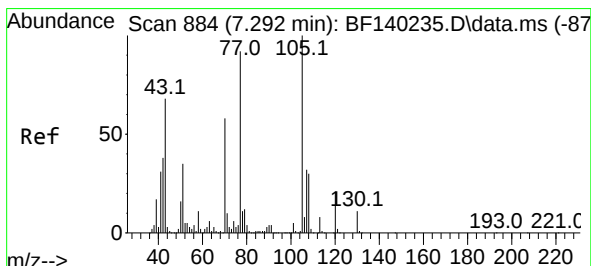
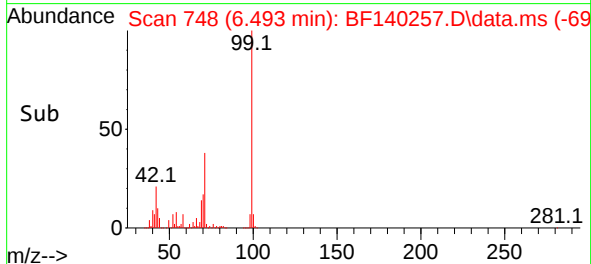
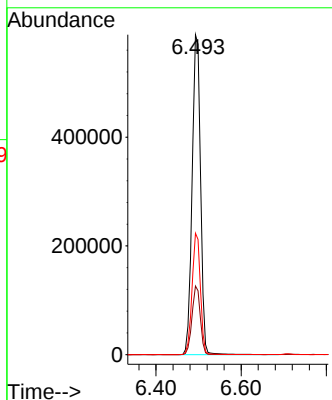
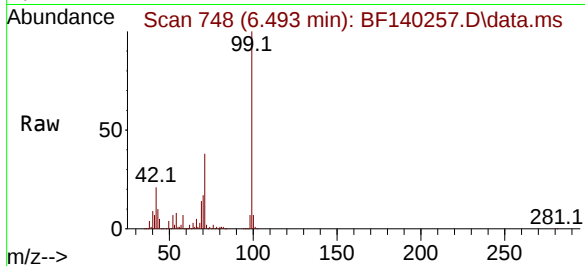




#7
Phenol-d6
Concen: 70.406 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

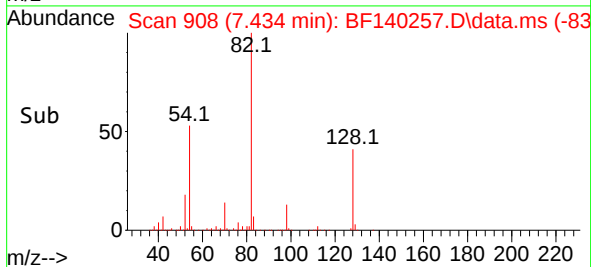
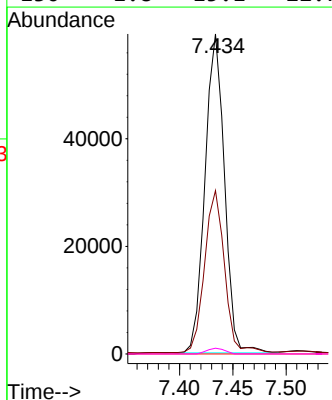
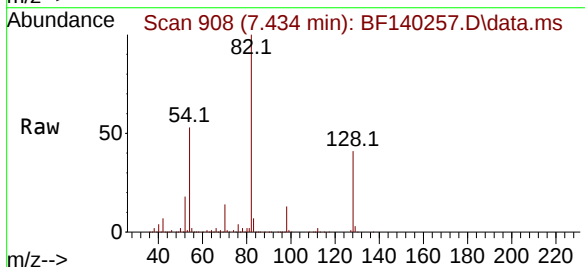
Instrument :
BNA_F
ClientSampleId :
HR-02-110424

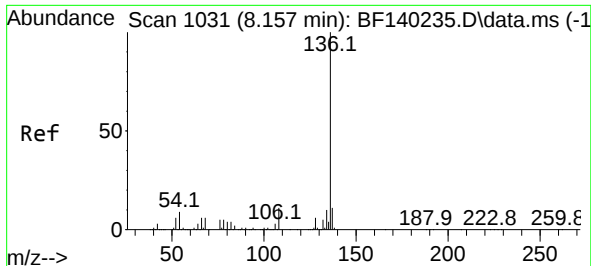
Tgt Ion: 99 Resp: 808207
Ion Ratio Lower Upper
99 100
42 21.5 18.2 27.2
71 38.0 30.9 46.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.291 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

Tgt Ion: 70 Resp: 75361
Ion Ratio Lower Upper
70 100
42 51.0 52.8 79.2#
101 0.0 7.4 11.2#
130 1.8 15.1 22.7#



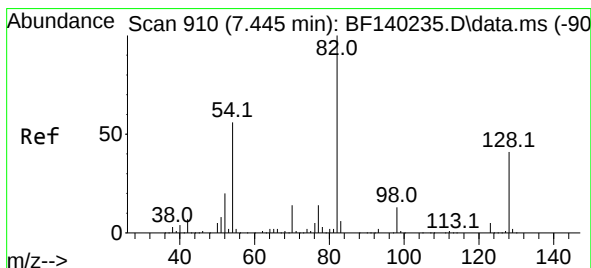
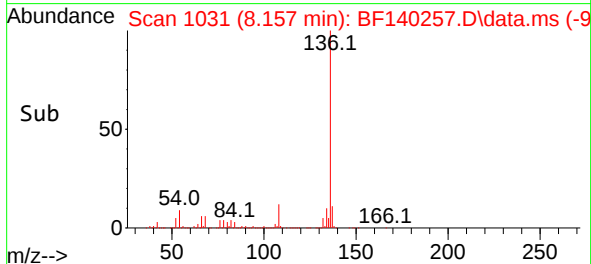
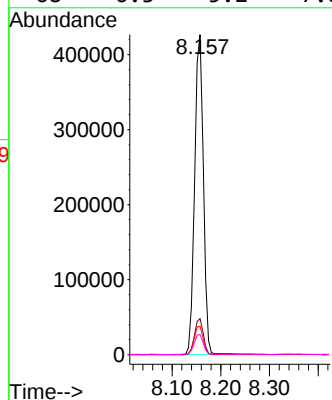
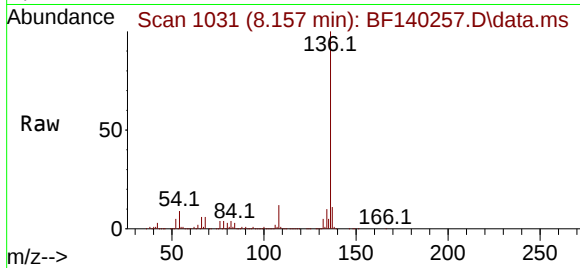


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

Instrument :
BNA_F
ClientSampleId :
HR-02-110424

Tgt Ion:136 Resp: 535760

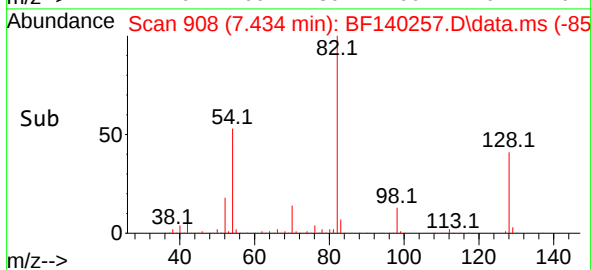
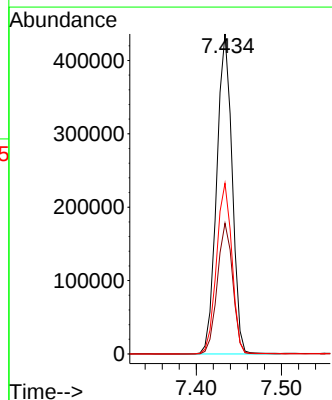
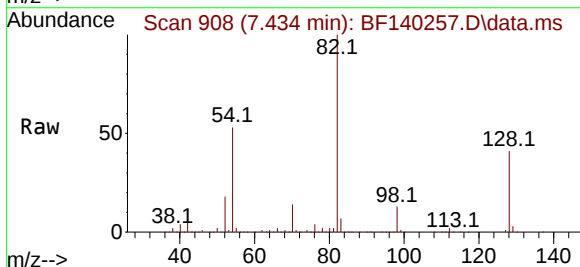
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	8.9	7.7	11.5
68	6.3	5.2	7.8

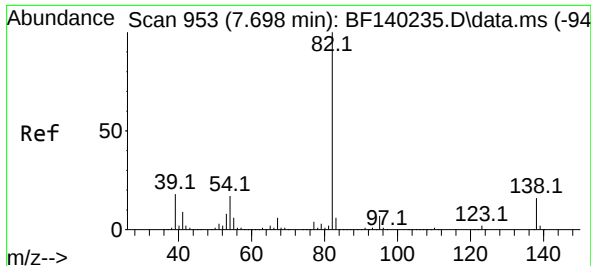


#23
Nitrobenzene-d5
Concen: 50.953 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

Tgt Ion: 82 Resp: 549070

Ion	Ratio	Lower	Upper
82	100		
128	40.8	32.8	49.2
54	53.3	44.3	66.5

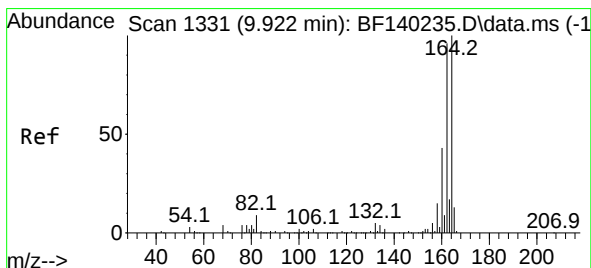
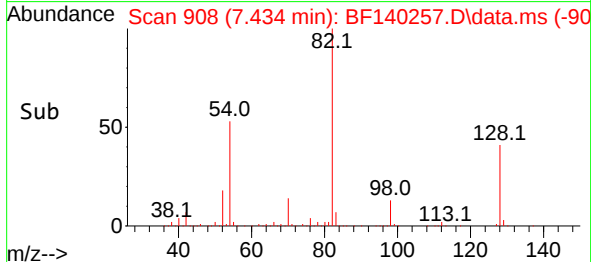
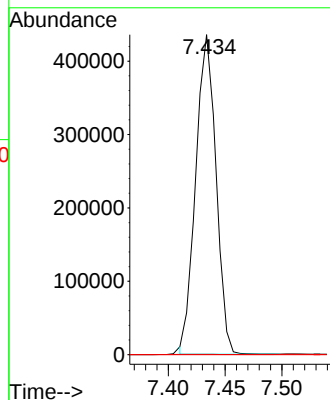
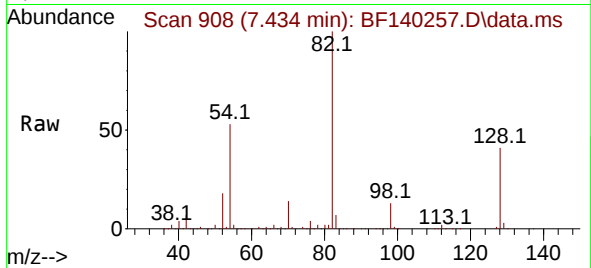




#25
Isophorone
Concen: 29.135 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

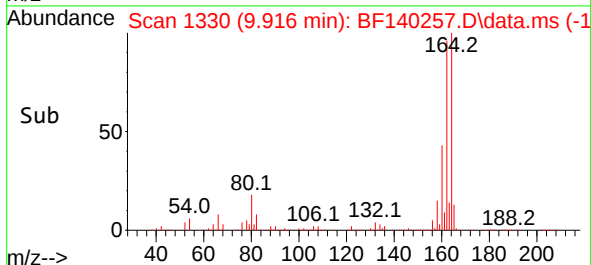
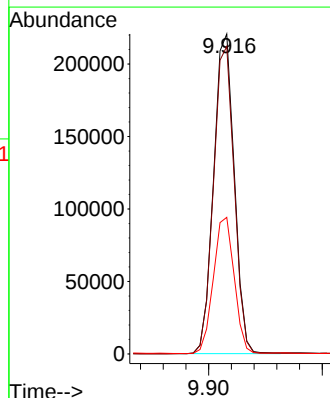
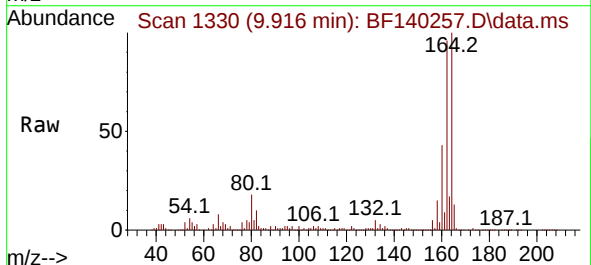
Instrument :
BNA_F
ClientSampleId :
HR-02-110424

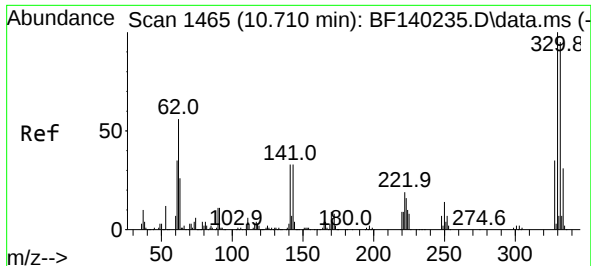
Tgt Ion: 82 Resp: 540586
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

Tgt Ion:164 Resp: 278758
Ion Ratio Lower Upper
164 100
162 96.1 77.0 115.4
160 42.7 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 60.235 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140257.D

Acq: 06 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

HR-02-110424

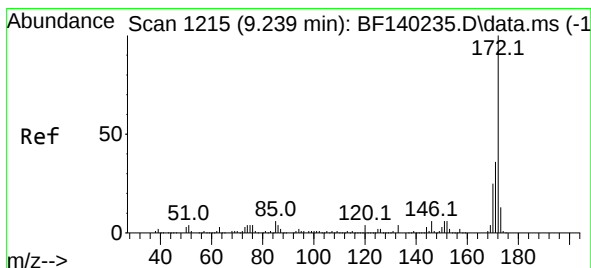
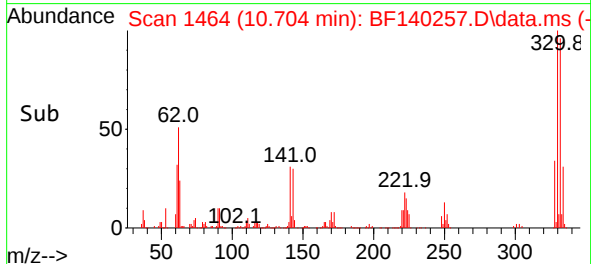
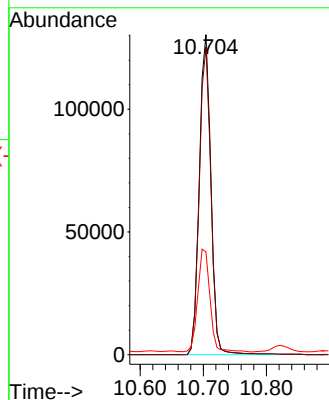
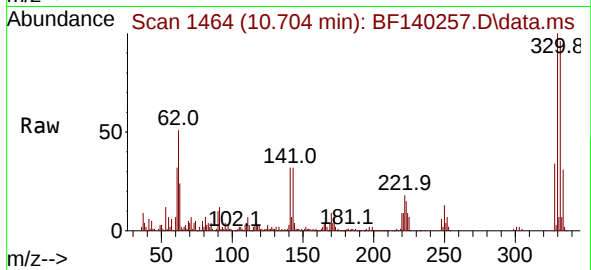
Tgt Ion:330 Resp: 165969

Ion Ratio Lower Upper

330 100

332 96.0 76.4 114.6

141 33.9 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 55.953 ng

RT: 9.234 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140257.D

Acq: 06 Nov 2024 15:25

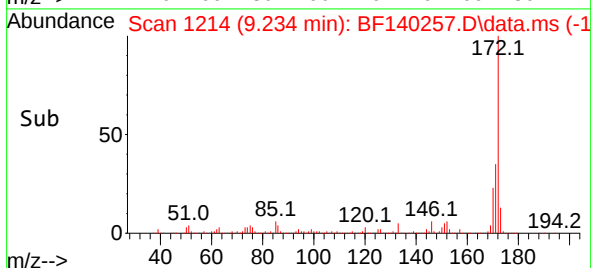
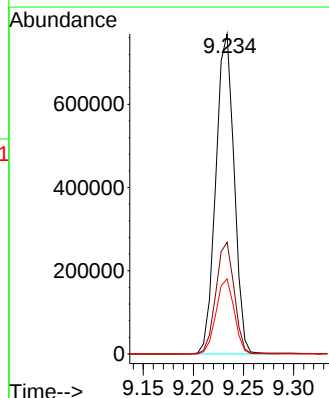
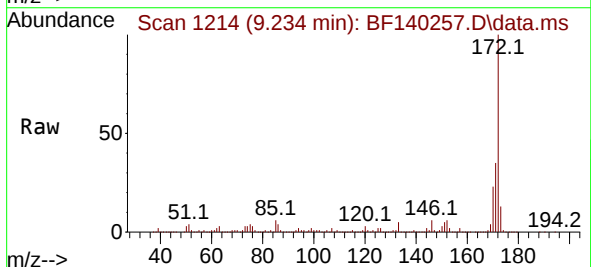
Tgt Ion:172 Resp: 976794

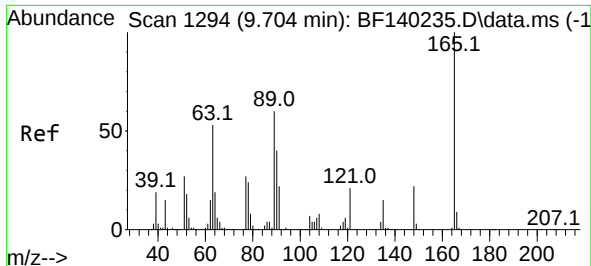
Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 23.5 19.6 29.4

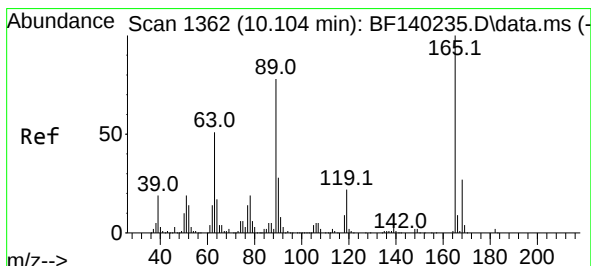
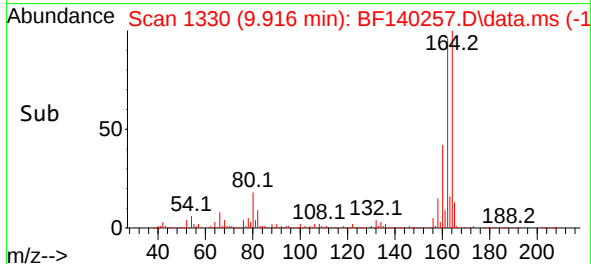
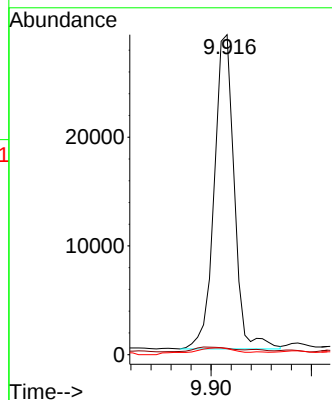
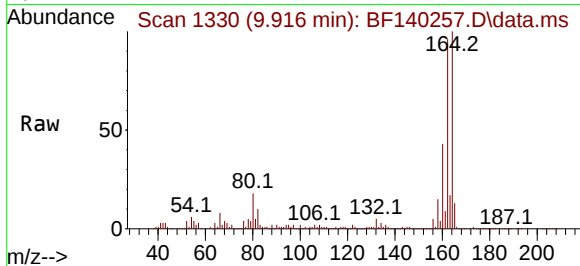




#51
2,6-Dinitrotoluene
Concen: 9.917 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

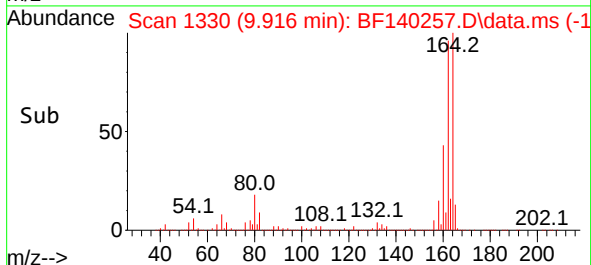
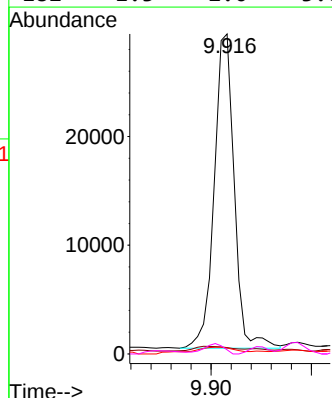
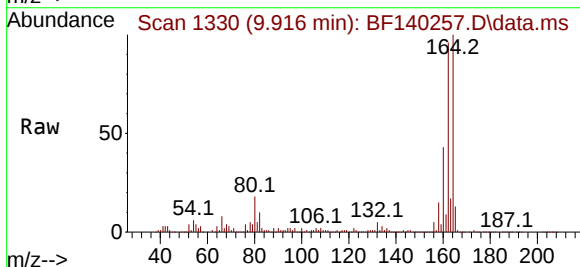
Instrument :
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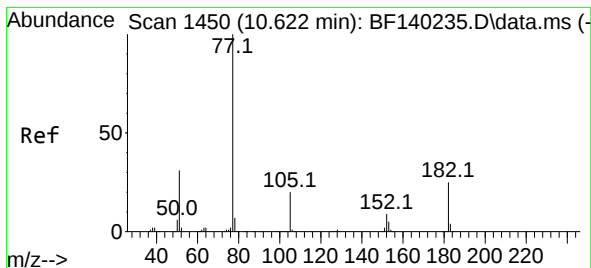
Tgt Ion:165 Resp: 40018
Ion Ratio Lower Upper
165 100
63 2.0 48.8 73.2#
89 1.9 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 7.642 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

Tgt Ion:165 Resp: 40018
Ion Ratio Lower Upper
165 100
63 2.0 41.3 61.9#
89 1.9 62.6 94.0#
182 1.3 2.0 3.0#





#63

Azobenzene

Concen: 2.583 ng

RT: 10.628 min Scan# 1450

Delta R.T. 0.006 min

Lab File: BF140257.D

Acq: 06 Nov 2024 15:25

Instrument :

BNA_F

ClientSampleId :

HR-02-110424

Tgt Ion: 77 Resp: 45672

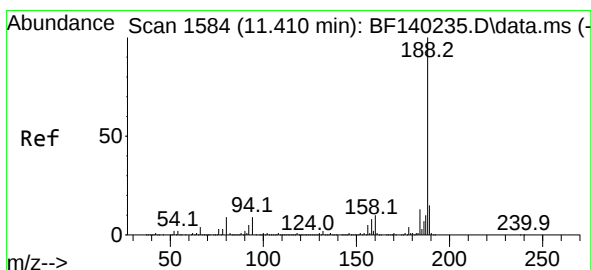
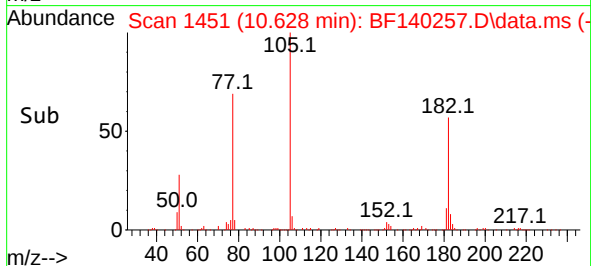
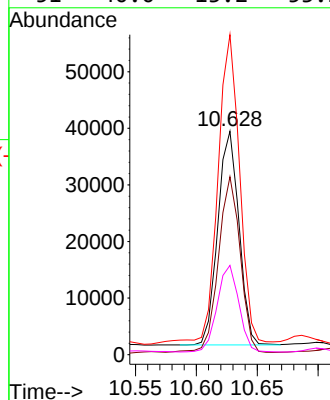
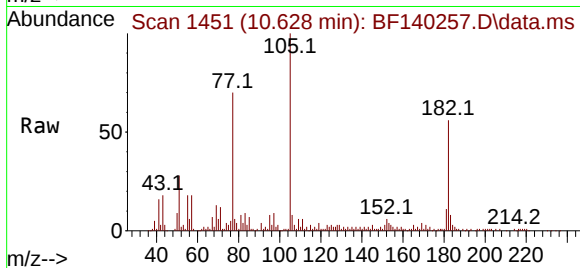
Ion Ratio Lower Upper

77 100

182 79.6 4.7 44.7#

105 143.2 0.0 40.0#

51 40.0 13.2 53.2



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF140257.D

Acq: 06 Nov 2024 15:25

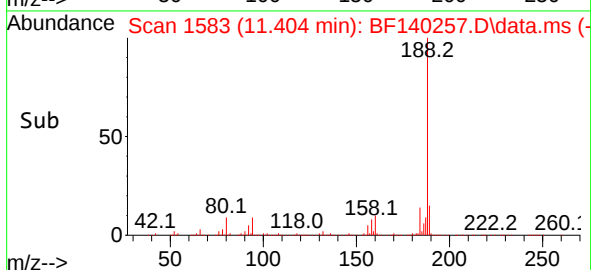
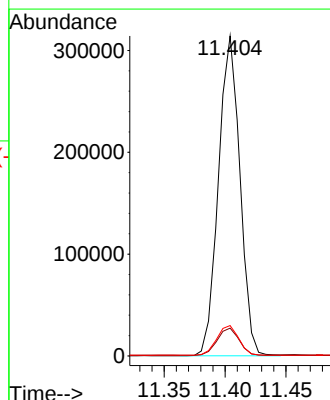
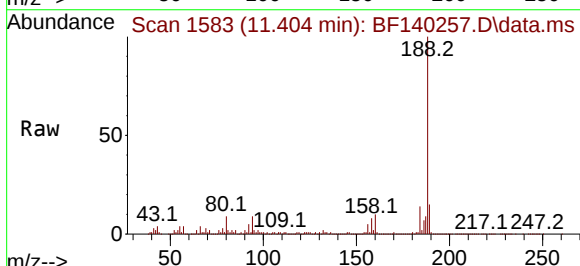
Tgt Ion: 188 Resp: 386308

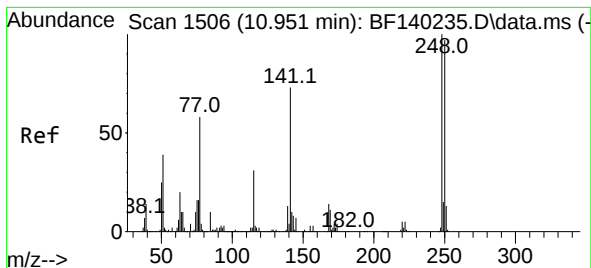
Ion Ratio Lower Upper

188 100

94 8.7 6.9 10.3

80 9.5 7.5 11.3

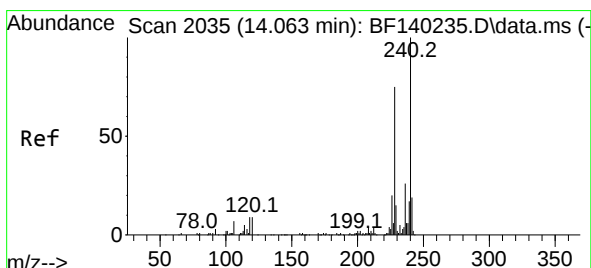
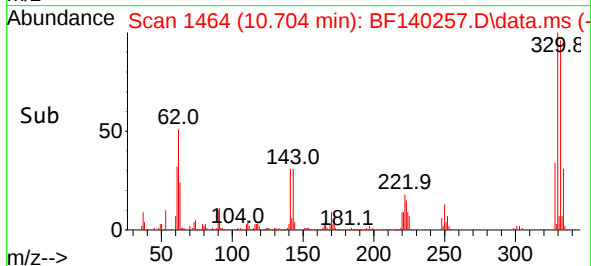
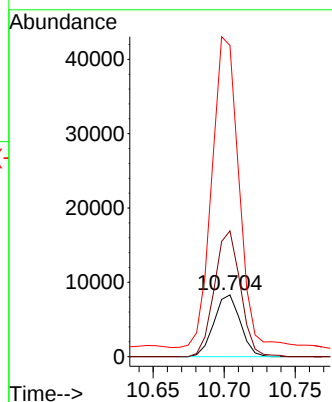
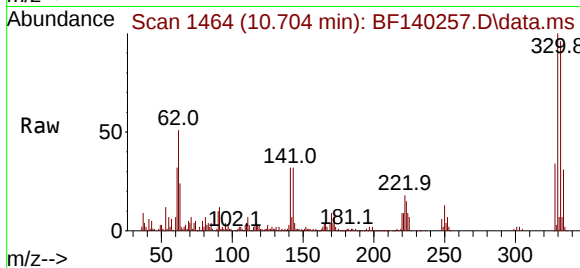




#67
4-Bromophenyl-phenylether
Concen: 2.577 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

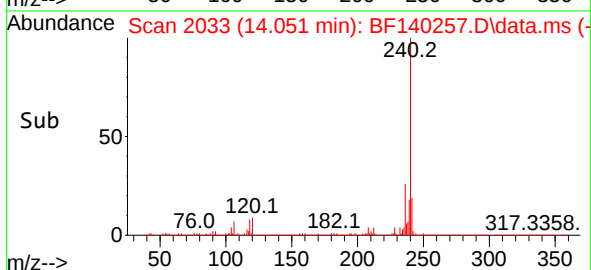
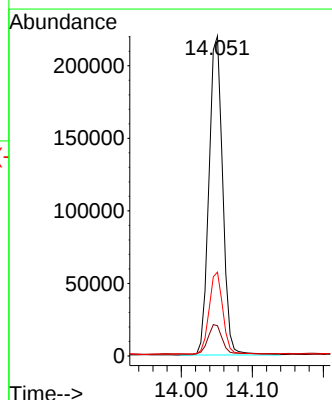
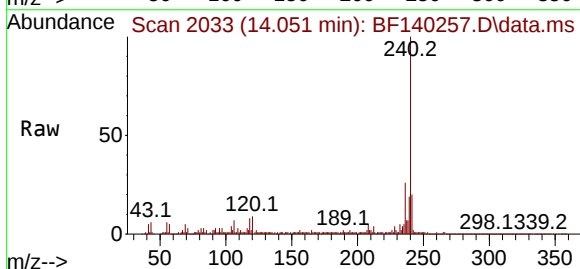
Instrument :
BNA_F
ClientSampleId :
HR-02-110424

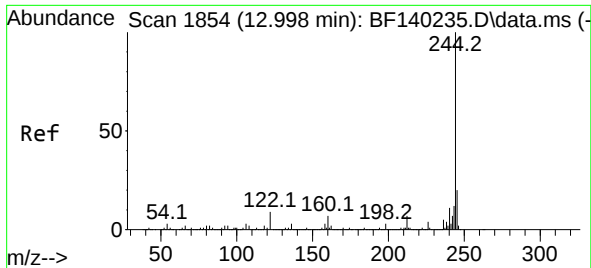
Tgt Ion:248 Resp: 10720
Ion Ratio Lower Upper
248 100
250 203.6 77.9 116.9#
141 504.1 58.6 88.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

Tgt Ion:240 Resp: 294782
Ion Ratio Lower Upper
240 100
120 9.4 7.5 11.3
236 26.2 20.9 31.3

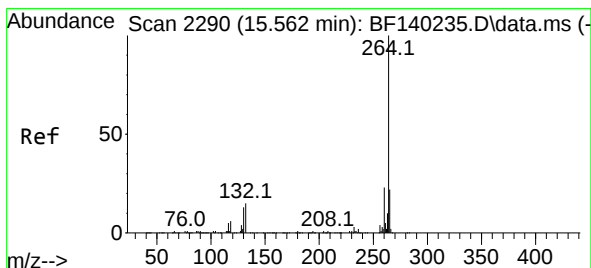
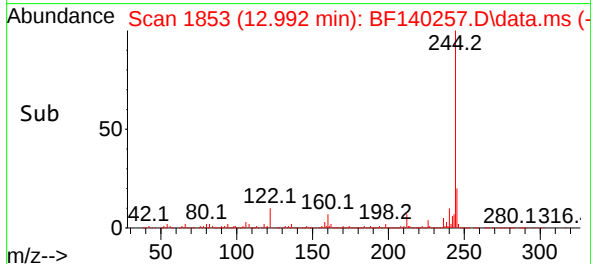
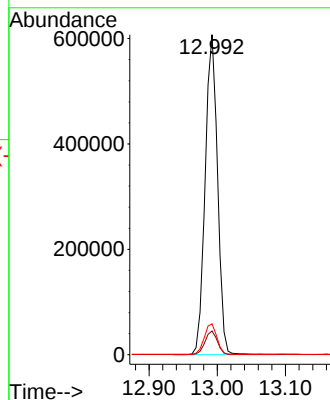
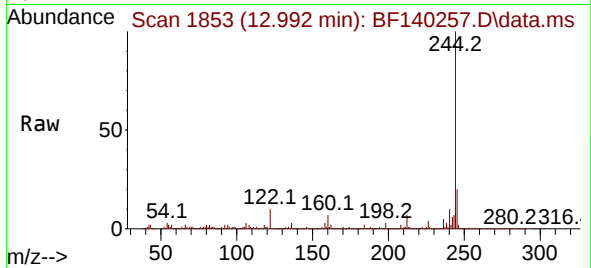




#79
Terphenyl-d14
Concen: 42.558 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

Instrument :
BNA_F
ClientSampleId :
HR-02-110424

Tgt Ion:244 Resp: 765833
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 9.6 7.6 11.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.023 min
Lab File: BF140257.D
Acq: 06 Nov 2024 15:25

Tgt Ion:264 Resp: 223360
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 22.8 17.3 25.9

