

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133207.D
 Acq On : 03 May 2023 15:09
 Operator : CG\JU
 Sample : 02583-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-25

Quant Time: May 03 19:19:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:31:52 2023
 Response via : Initial Calibration

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

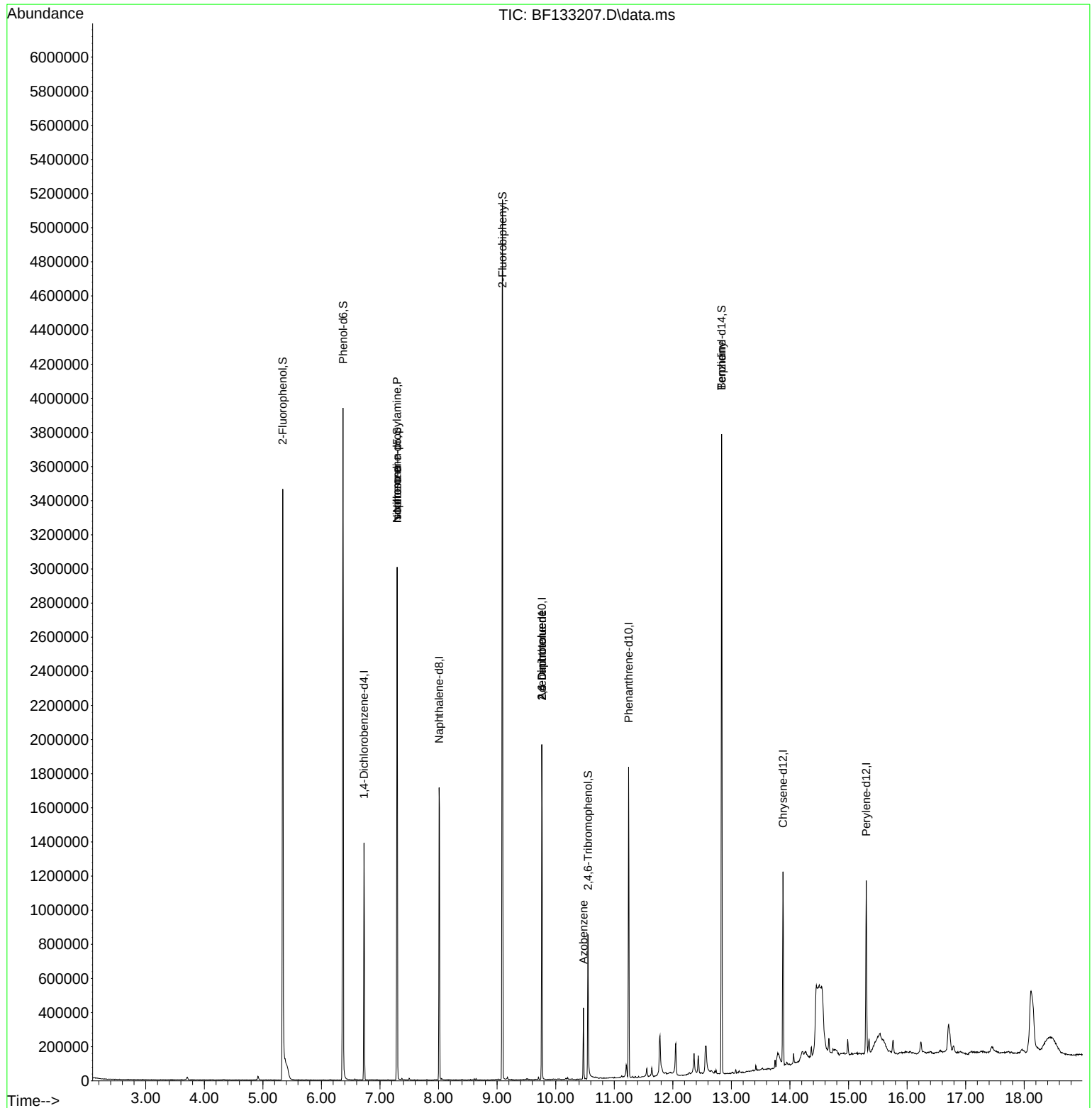
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	180806	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	730343	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	376442	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	604366	20.000	ng	0.00
76) Chrysene-d12	13.880	240	350736	20.000	ng	-0.01
86) Perylene-d12	15.304	264	419935	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1145817	95.731	ng	0.00
7) Phenol-d6	6.369	99	1403934	94.502	ng	0.00
23) Nitrobenzene-d5	7.292	82	863404	63.811	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	103163	27.250	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1557684	69.227	ng	0.00
79) Terphenyl-d14	12.833	244	1319411	64.879	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.287	77	200	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.292	70	115793	12.520	ng	# 77
25) Isophorone	7.292	82	863388	33.608	ng	# 63
51) 2,6-Dinitrotoluene	9.763	165	48898	8.277	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	48898	6.490	ng	# 23
63) Azobenzene	10.475	77	63651	2.423	ng	# 1
77) Benzidine	12.833	184	16385	2.763	ng	# 88

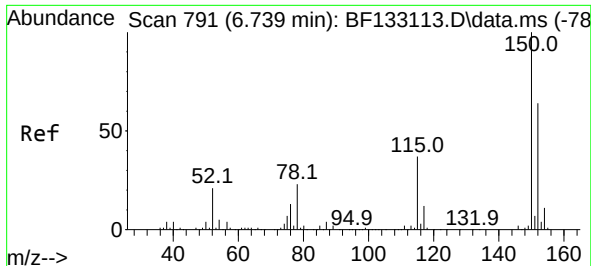
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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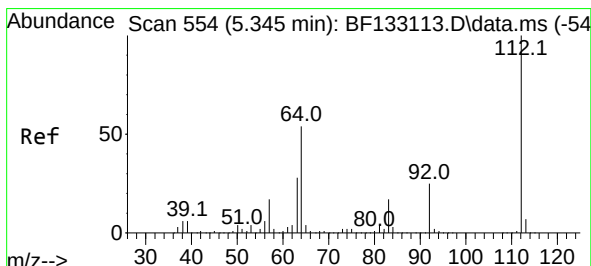
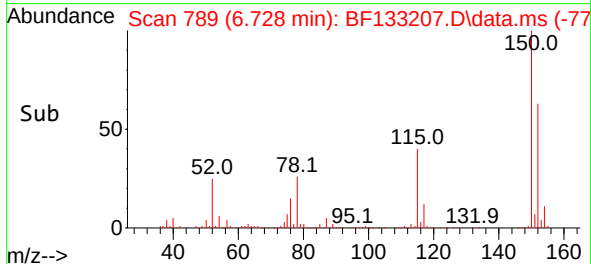
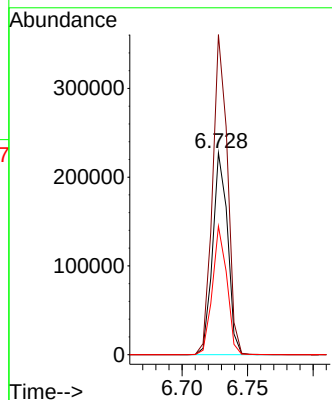
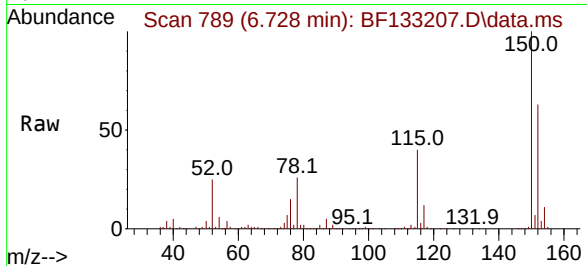




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133207.D
Acq: 03 May 2023 15:09

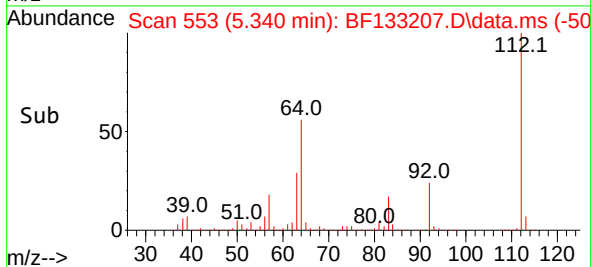
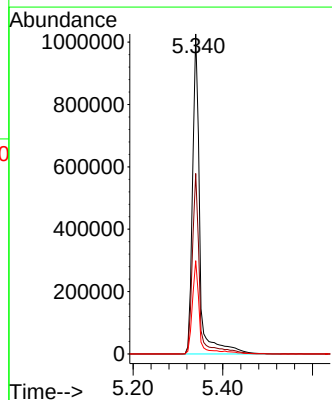
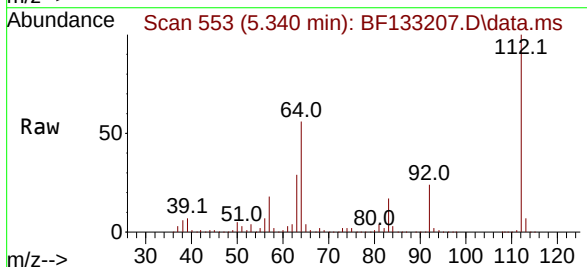
Instrument :
BNA_F
ClientSampleId :
CF-25

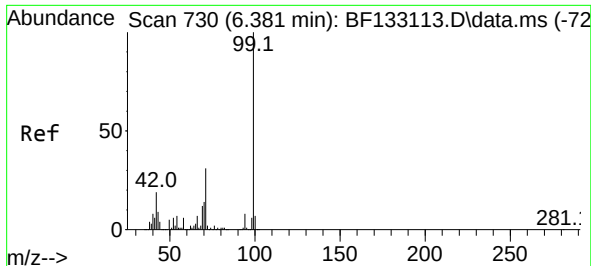
Tgt Ion:152 Resp: 180806
Ion Ratio Lower Upper
152 100
150 158.6 124.8 187.2
115 63.7 49.9 74.9



#5
2-Fluorophenol
Concen: 95.731 ng
RT: 5.340 min Scan# 553
Delta R.T. -0.000 min
Lab File: BF133207.D
Acq: 03 May 2023 15:09

Tgt Ion:112 Resp: 1145817
Ion Ratio Lower Upper
112 100
64 56.4 46.8 70.2
63 29.2 23.8 35.8





#7

Phenol-d6

Concen: 94.502 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133207.D

Acq: 03 May 2023 15:09

Instrument :

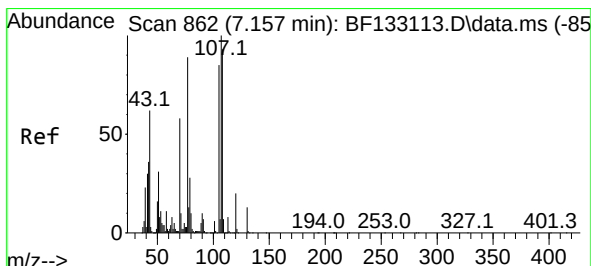
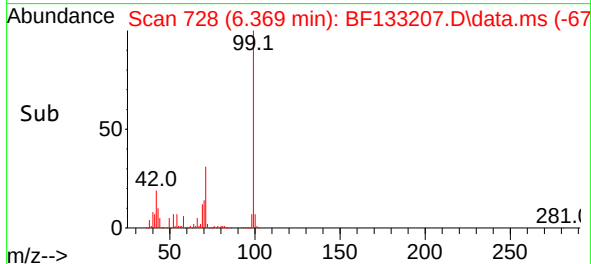
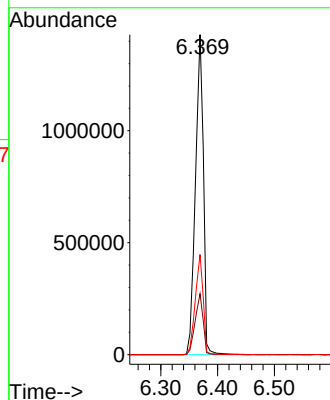
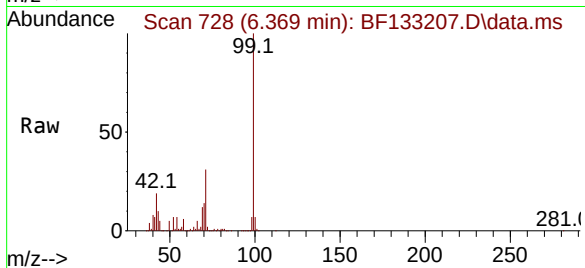
BNA_F

ClientSampleId :

CF-25

Tgt Ion: 99 Resp: 1403934

Ion	Ratio	Lower	Upper
99	100		
42	19.1	16.3	24.5
71	31.3	25.6	38.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.520 ng

RT: 7.292 min Scan# 885

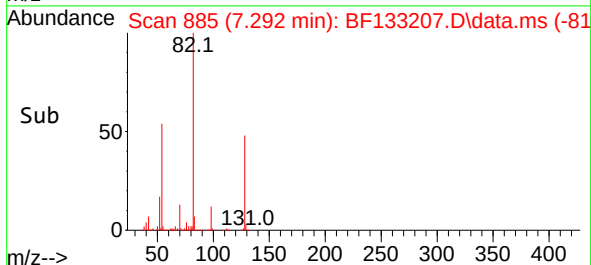
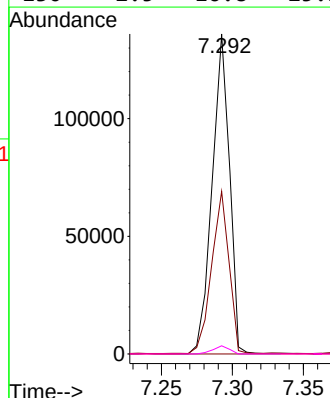
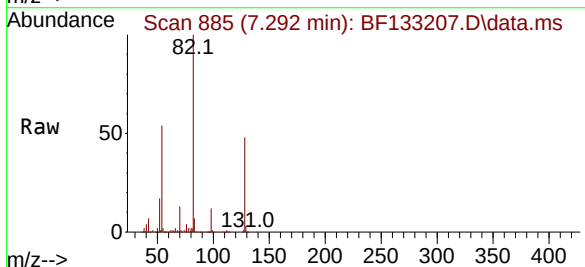
Delta R.T. 0.141 min

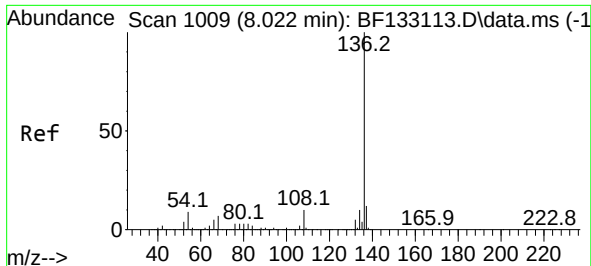
Lab File: BF133207.D

Acq: 03 May 2023 15:09

Tgt Ion: 70 Resp: 115793

Ion	Ratio	Lower	Upper
70	100		
42	50.8	51.8	77.6#
101	0.0	8.0	12.0#
130	2.5	16.8	25.2#



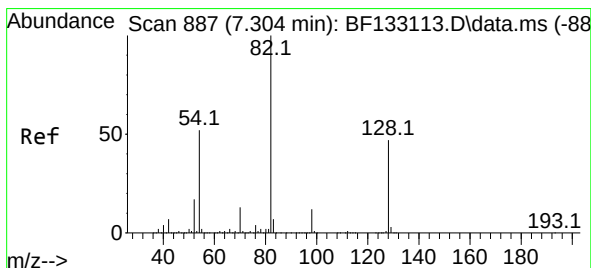
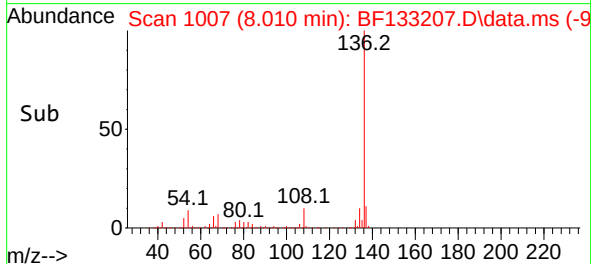
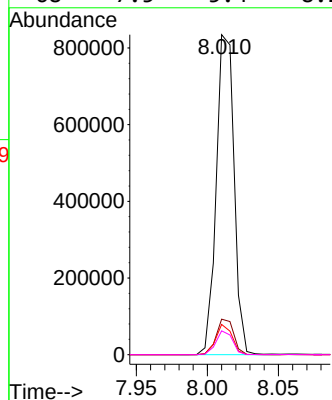
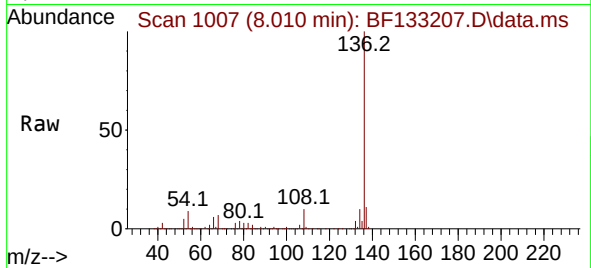


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF133207.D
Acq: 03 May 2023 15:09

Instrument :
BNA_F
ClientSampleId :
CF-25

Tgt Ion:136 Resp: 730343

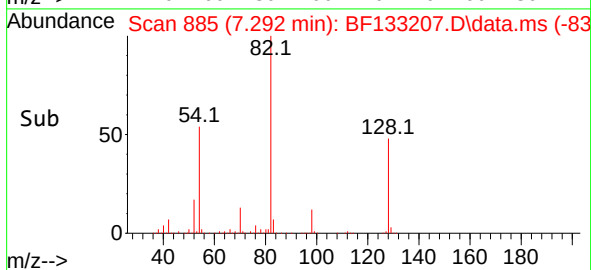
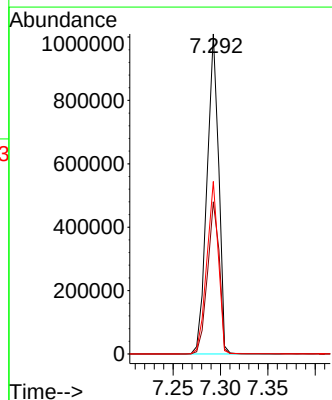
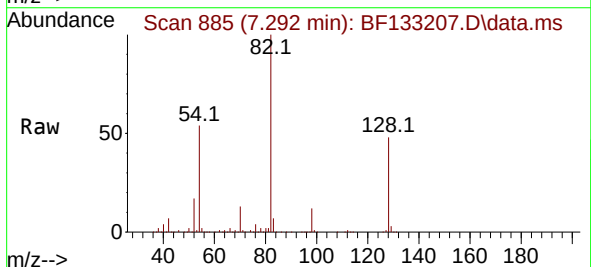
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.4	7.0	10.4
68	7.5	5.4	8.2

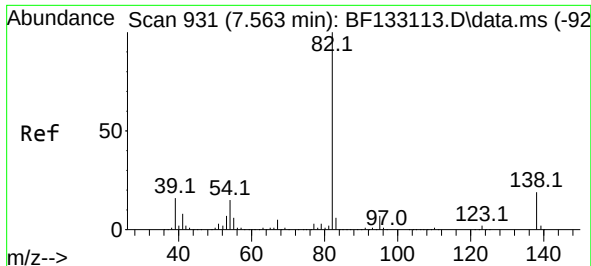


#23
Nitrobenzene-d5
Concen: 63.811 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133207.D
Acq: 03 May 2023 15:09

Tgt Ion: 82 Resp: 863404

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.7	56.5
54	53.9	43.0	64.4





#25

Isophorone

Concen: 33.608 ng

RT: 7.292 min Scan# 81

Delta R.T. -0.265 min

Lab File: BF133207.D

Acq: 03 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

CF-25

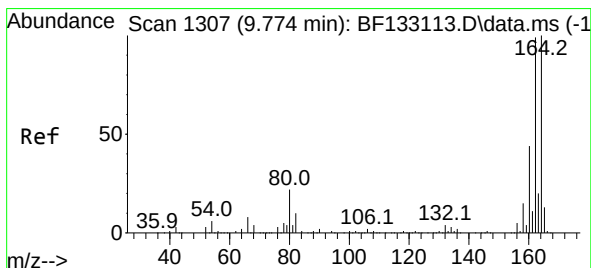
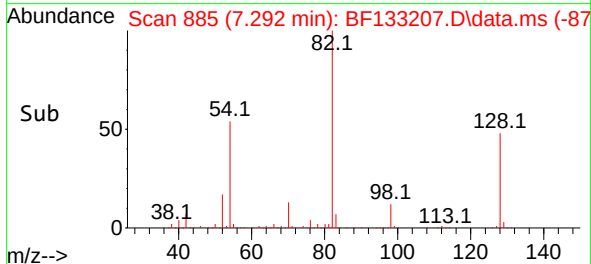
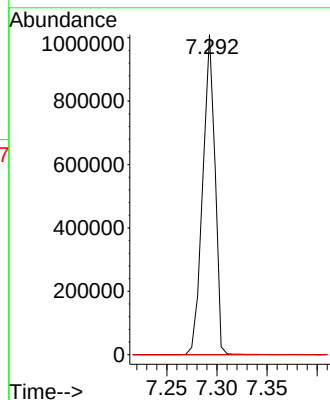
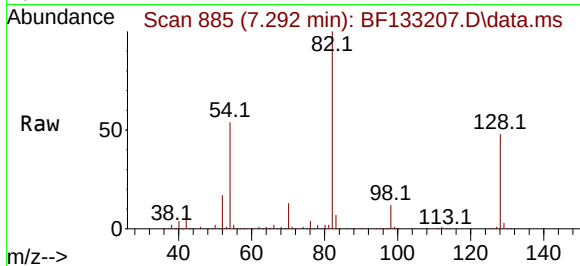
Tgt Ion: 82 Resp: 863388

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 16.0 24.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.006 min

Lab File: BF133207.D

Acq: 03 May 2023 15:09

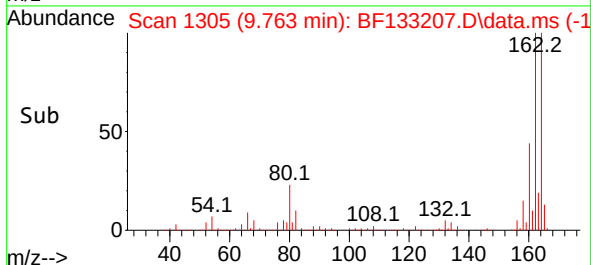
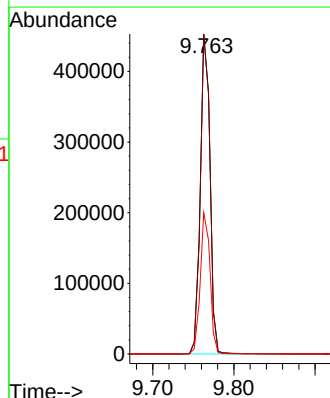
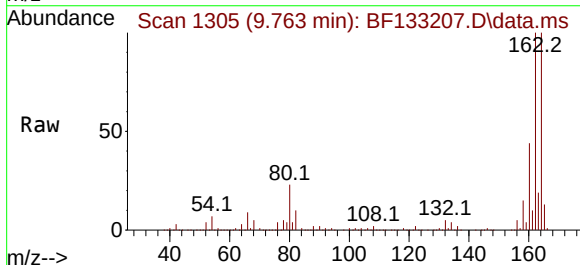
Tgt Ion: 164 Resp: 376442

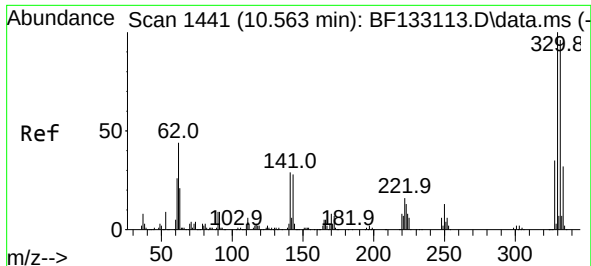
Ion Ratio Lower Upper

164 100

162 100.2 78.7 118.1

160 44.2 35.8 53.6

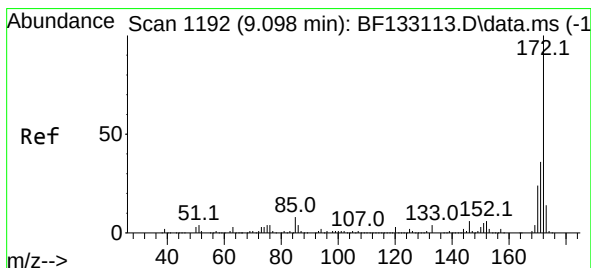
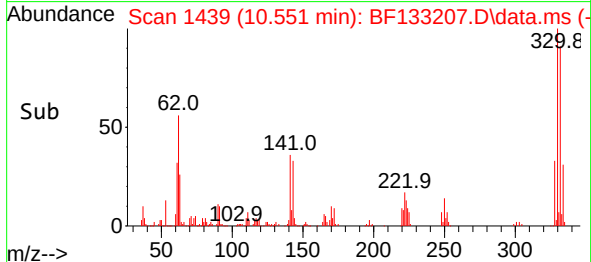
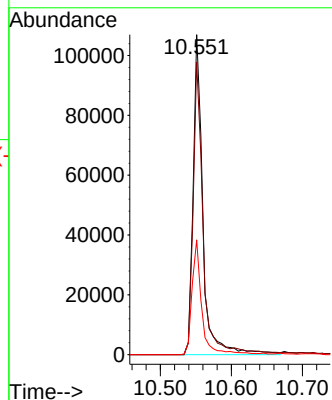
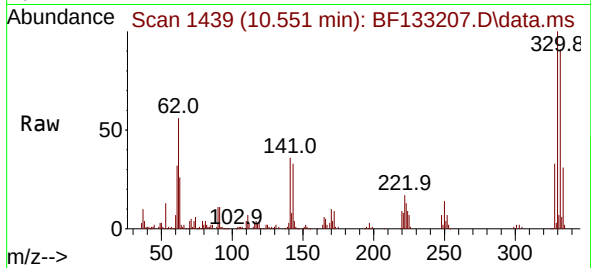




#42
2,4,6-Tribromophenol
Concen: 27.250 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133207.D
Acq: 03 May 2023 15:09

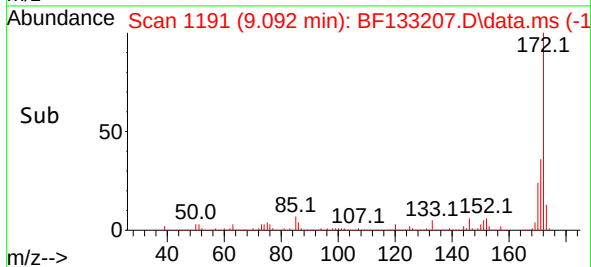
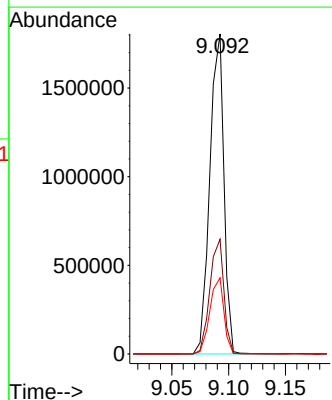
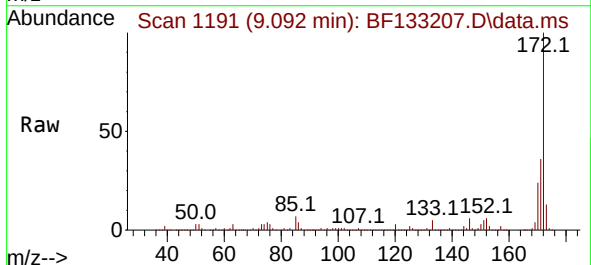
Instrument :
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CF-25

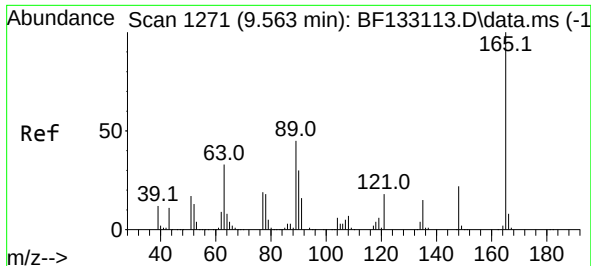
Tgt Ion:330 Resp: 103163
Ion Ratio Lower Upper
330 100
332 94.1 77.1 115.7
141 35.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 69.227 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF133207.D
Acq: 03 May 2023 15:09

Tgt Ion:172 Resp: 1557684
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 23.8 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.277 ng

RT: 9.763 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF133207.D

Acq: 03 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

CF-25

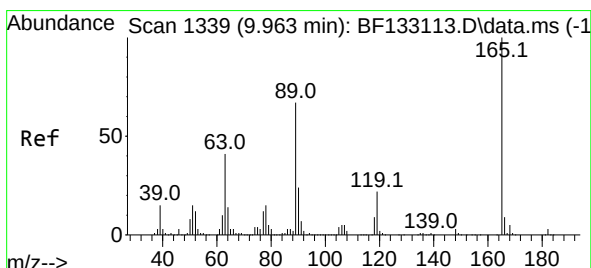
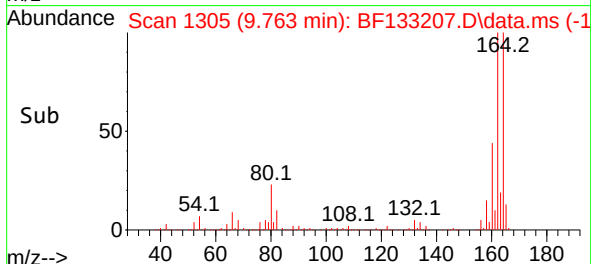
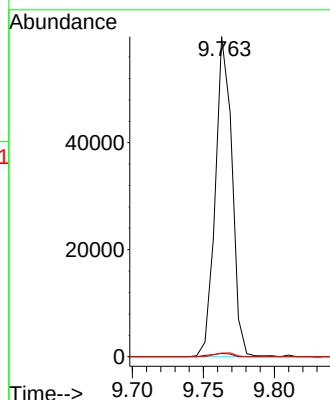
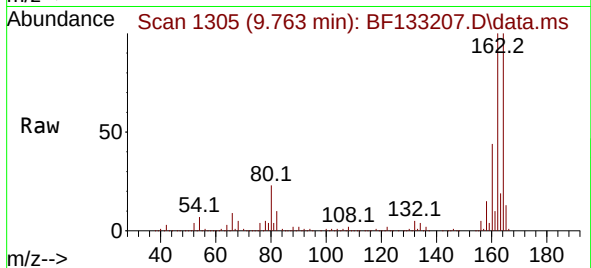
Tgt Ion:165 Resp: 48898

Ion Ratio Lower Upper

165 100

63 1.1 45.9 68.9#

89 1.1 44.0 66.0#



#57

2,4-Dinitrotoluene

Concen: 6.490 ng

RT: 9.763 min Scan# 1305

Delta R.T. -0.194 min

Lab File: BF133207.D

Acq: 03 May 2023 15:09

Tgt Ion:165 Resp: 48898

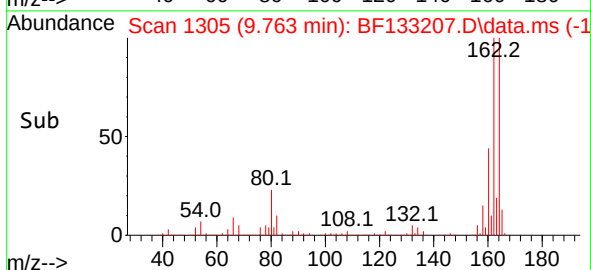
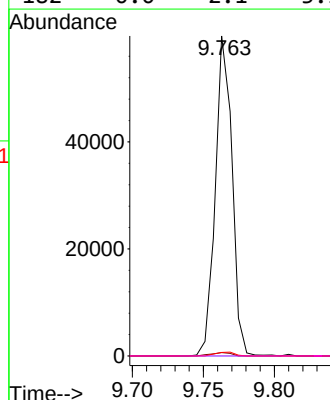
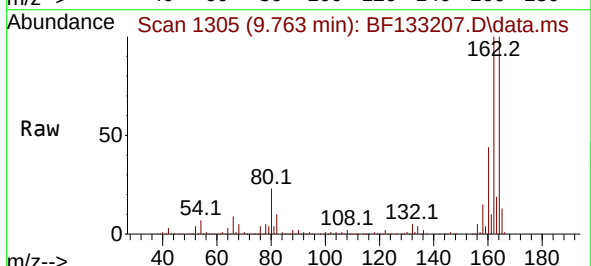
Ion Ratio Lower Upper

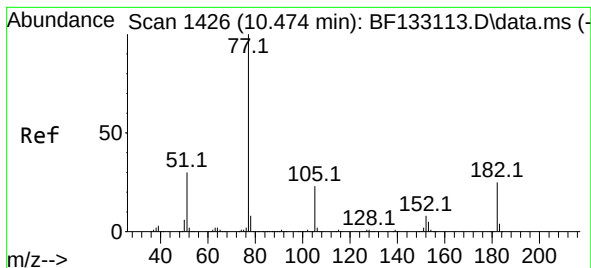
165 100

63 1.1 37.7 56.5#

89 1.1 57.0 85.4#

182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 2.423 ng

RT: 10.475 min Scan# 1426

Delta R.T. 0.006 min

Lab File: BF133207.D

Acq: 03 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

CF-25

Tgt Ion: 77 Resp: 63651

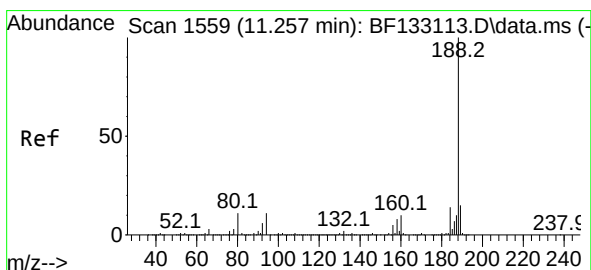
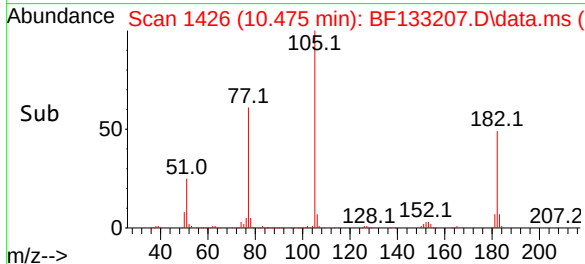
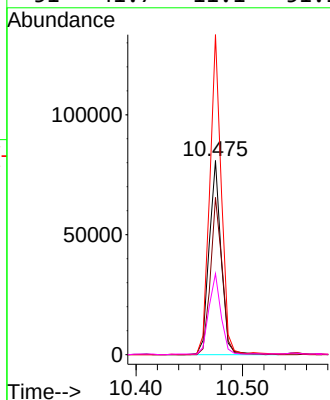
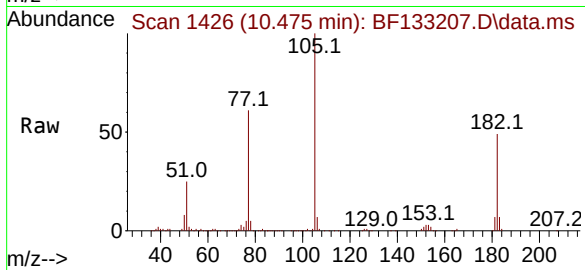
Ion Ratio Lower Upper

77 100

182 80.9 5.9 45.9#

105 164.8 2.3 42.3#

51 41.7 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1557

Delta R.T. -0.006 min

Lab File: BF133207.D

Acq: 03 May 2023 15:09

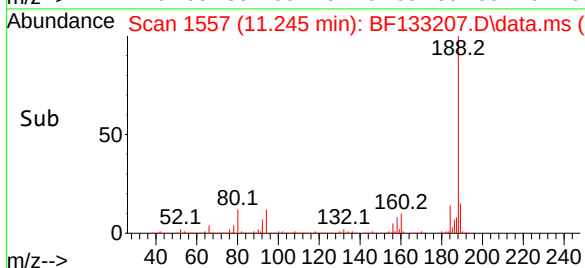
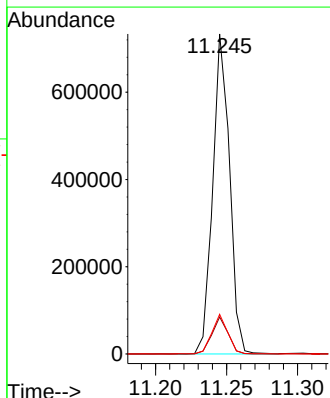
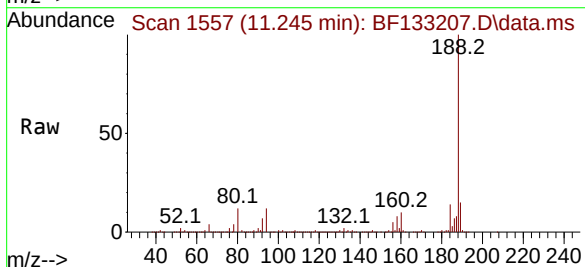
Tgt Ion: 188 Resp: 604366

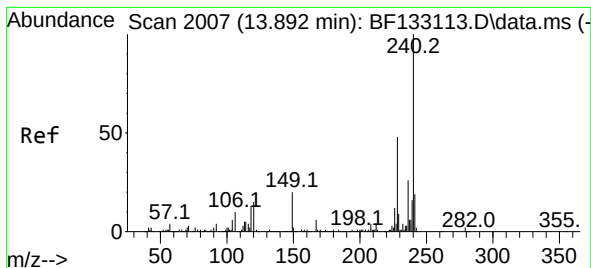
Ion Ratio Lower Upper

188 100

94 11.5 9.7 14.5

80 12.4 10.4 15.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133207.D

Acq: 03 May 2023 15:09

Instrument :

BNA_F

ClientSampleId :

CF-25

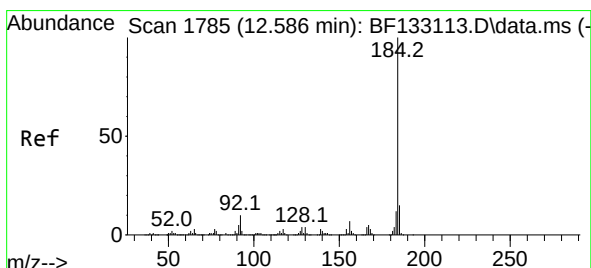
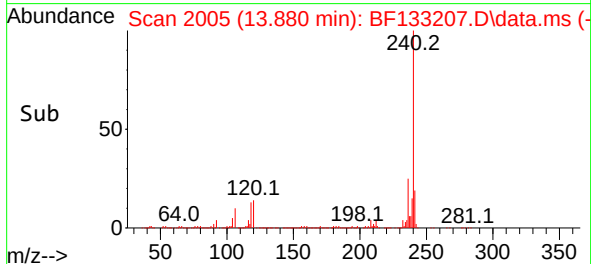
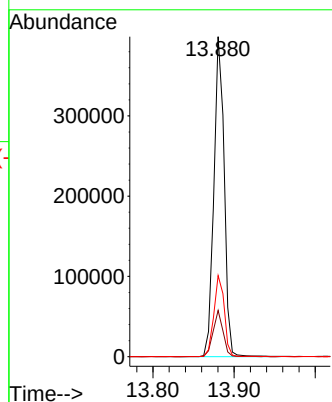
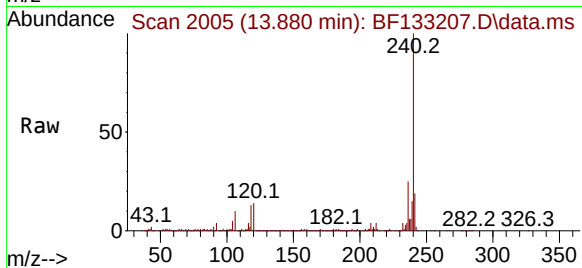
Tgt Ion:240 Resp: 350736

Ion Ratio Lower Upper

240 100

120 14.5 10.5 15.7

236 25.3 21.5 32.3



#77

Benidine

Concen: 2.763 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.253 min

Lab File: BF133207.D

Acq: 03 May 2023 15:09

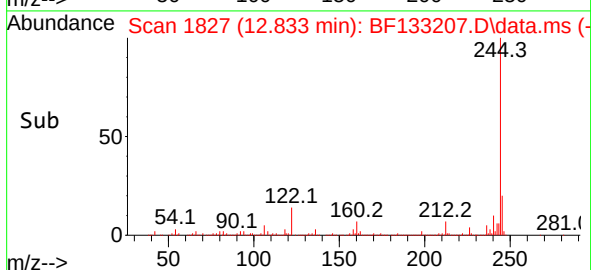
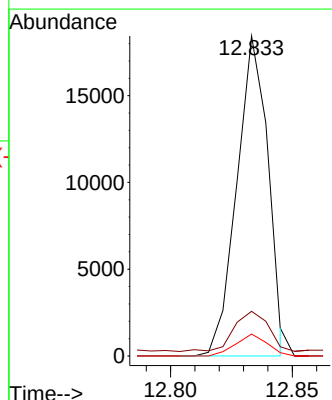
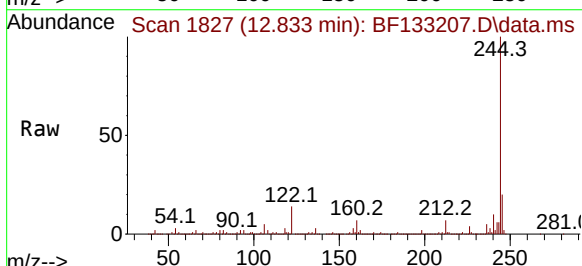
Tgt Ion:184 Resp: 16385

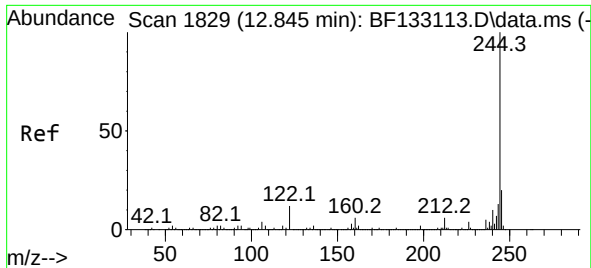
Ion Ratio Lower Upper

184 100

185 14.0 15.4 23.2#

183 6.9 9.4 14.0#

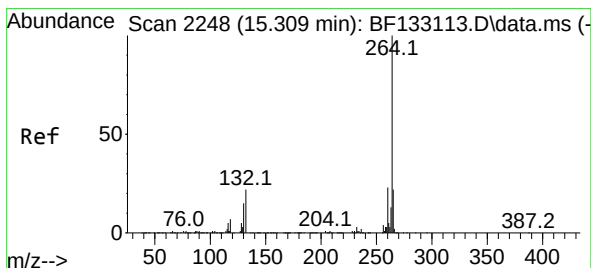
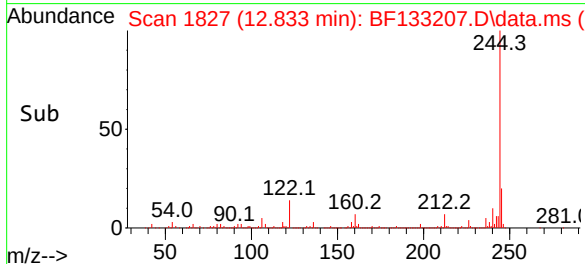
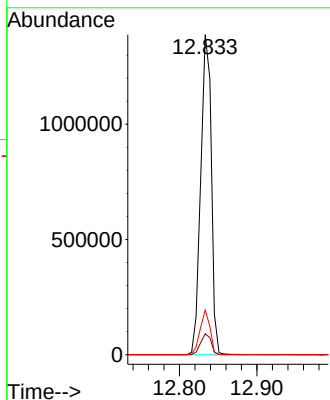
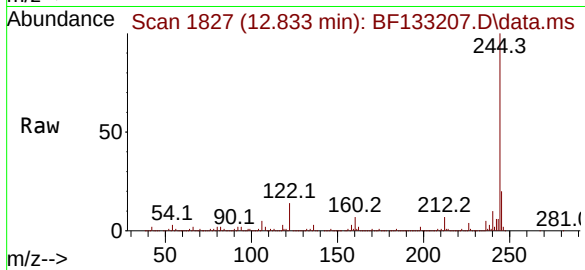




#79
 Terphenyl-d14
 Concen: 64.879 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. -0.006 min
 Lab File: BF133207.D
 Acq: 03 May 2023 15:09

Instrument :
 BNA_F
 ClientSampleId :
 CF-25

Tgt Ion:244 Resp: 1319411
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 14.0 8.6 13.0#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 2247
 Delta R.T. -0.000 min
 Lab File: BF133207.D
 Acq: 03 May 2023 15:09

Tgt Ion:264 Resp: 419935
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.8 28.2
 265 21.8 17.0 25.4

