

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133215.D
 Acq On : 03 May 2023 19:19
 Operator : CG\JU
 Sample : 02583-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-21

Quant Time: May 04 01:40:46 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)

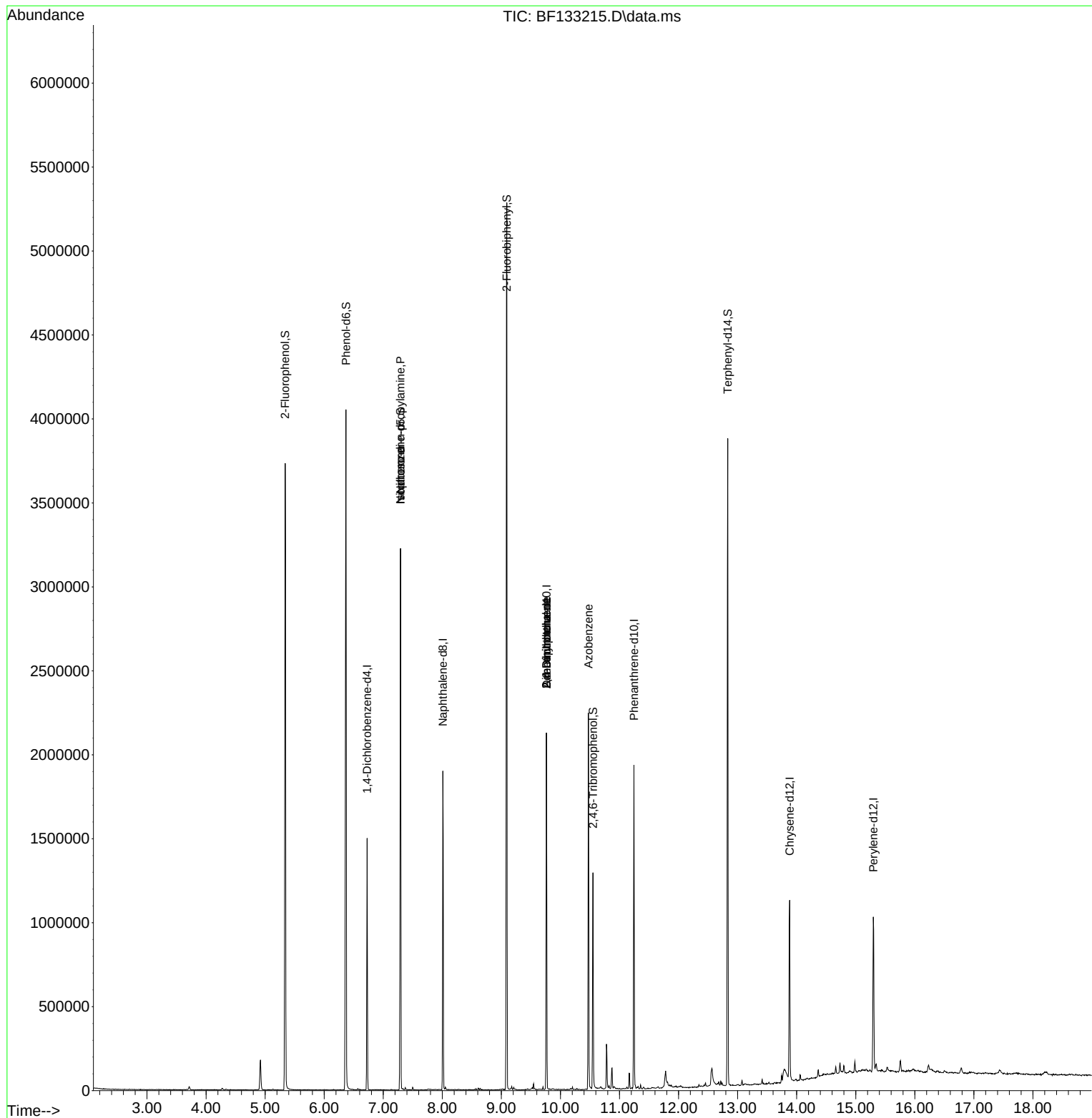
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	184618	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	750826	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	388302	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	610467	20.000	ng	0.00
76) Chrysene-d12	13.880	240	340859	20.000	ng	-0.01
86) Perylene-d12	15.298	264	391291	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1137979	93.113	ng	0.00
7) Phenol-d6	6.369	99	1466110	96.650	ng	0.00
23) Nitrobenzene-d5	7.292	82	928990	66.785	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	138239	35.399	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1601765	69.012	ng	0.00
79) Terphenyl-d14	12.833	244	1246457	63.068	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.275	77	399	Below Cal	#	71
19) n-Nitroso-di-n-propyla...	7.292	70	124108	13.142	ng	# 77
25) Isophorone	7.292	82	928981	35.175	ng	# 63
50) Dimethylphthalate	9.763	163	76291	2.818	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	49134	8.063	ng	# 24
57) 2,4-Dinitrotoluene	9.763	165	49134	6.322	ng	# 23
63) Azobenzene	10.475	77	352730	13.020	ng	# 1

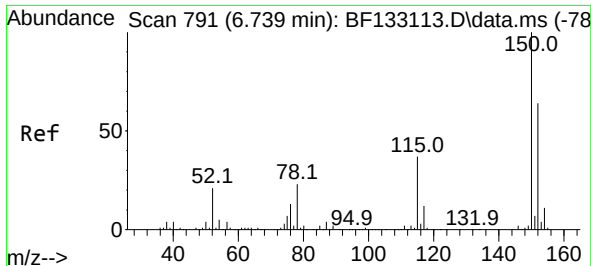
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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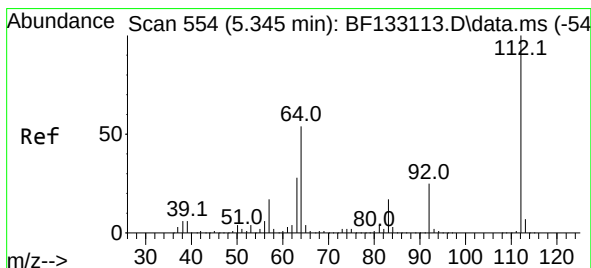
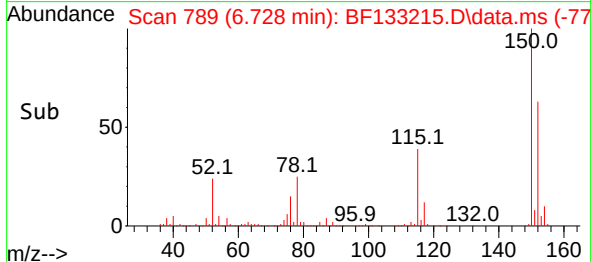
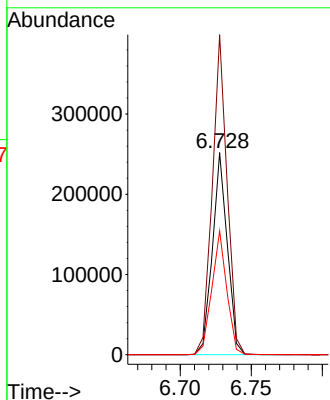
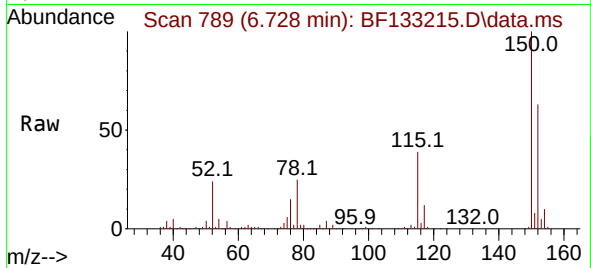




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133215.D
Acq: 03 May 2023 19:19

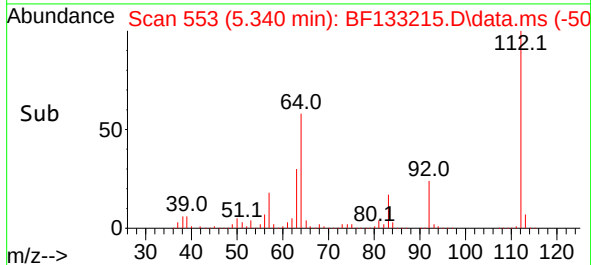
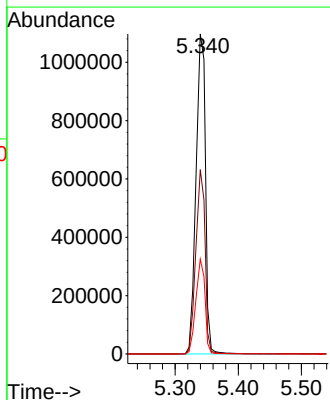
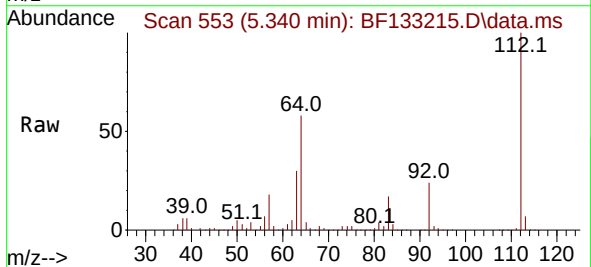
Instrument :
BNA_F
ClientSampleId :
CF-21

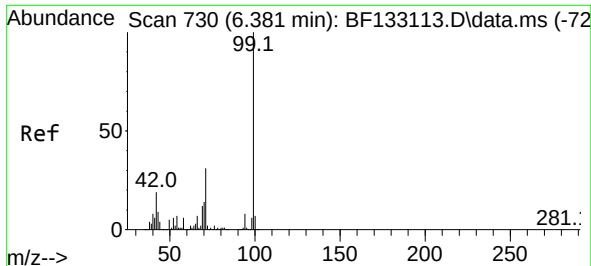
Tgt Ion:152 Resp: 184618
Ion Ratio Lower Upper
152 100
150 158.4 124.8 187.2
115 61.2 49.9 74.9



#5
2-Fluorophenol
Concen: 93.113 ng
RT: 5.340 min Scan# 553
Delta R.T. -0.000 min
Lab File: BF133215.D
Acq: 03 May 2023 19:19

Tgt Ion:112 Resp: 1137979
Ion Ratio Lower Upper
112 100
64 57.6 46.8 70.2
63 29.7 23.8 35.8





#7

Phenol-d6

Concen: 96.650 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF133215.D

Acq: 03 May 2023 19:19

Instrument :

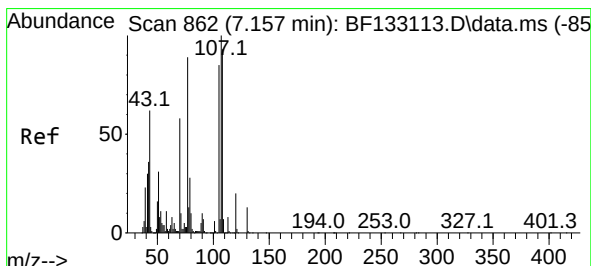
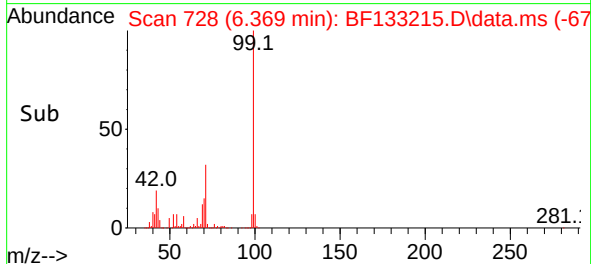
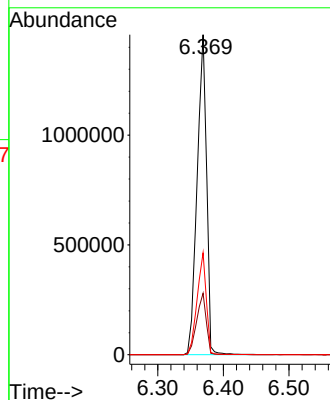
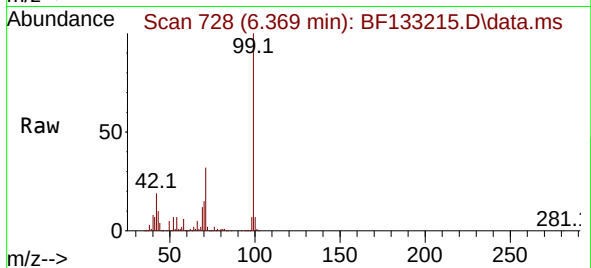
BNA_F

ClientSampleId :

CF-21

Tgt Ion: 99 Resp: 1466110

Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.3	24.5
71	31.9	25.6	38.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.142 ng

RT: 7.292 min Scan# 885

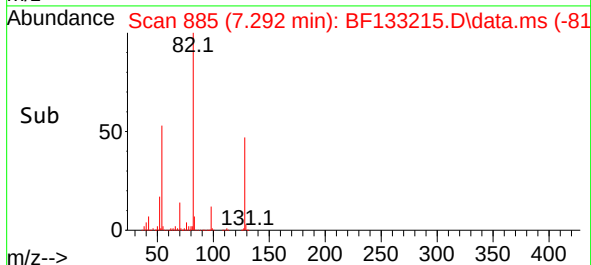
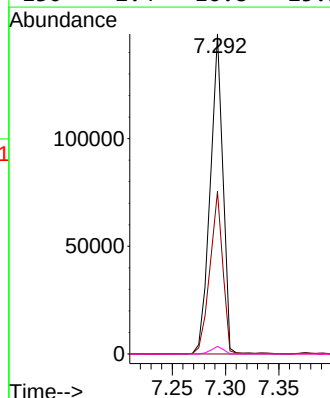
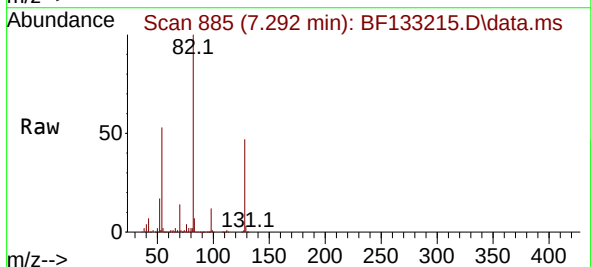
Delta R.T. 0.141 min

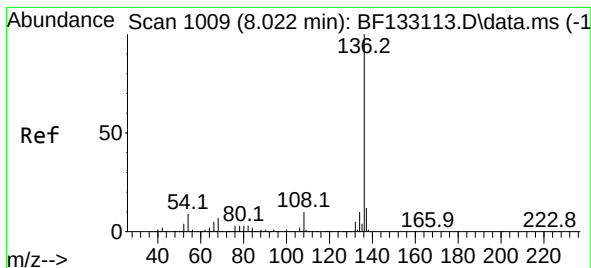
Lab File: BF133215.D

Acq: 03 May 2023 19:19

Tgt Ion: 70 Resp: 124108

Ion	Ratio	Lower	Upper
70	100		
42	50.8	51.8	77.6#
101	0.0	8.0	12.0#
130	2.4	16.8	25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.010 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133215.D

Acq: 03 May 2023 19:19

Instrument :

BNA_F

ClientSampleId :

CF-21

Tgt Ion:136 Resp: 750826

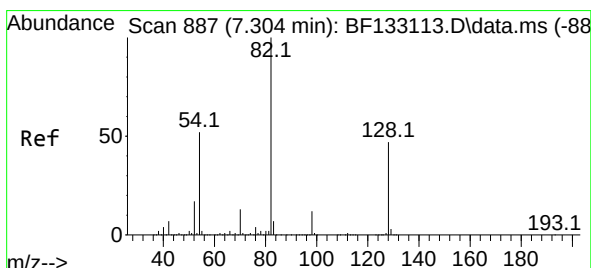
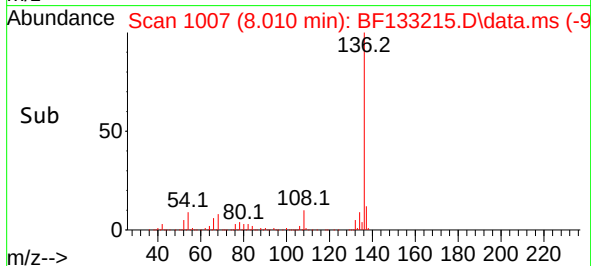
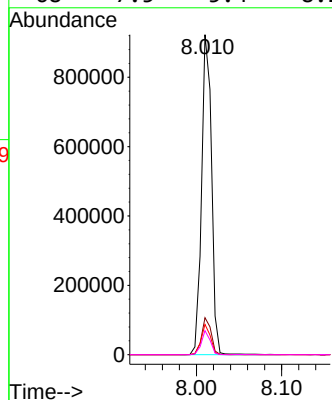
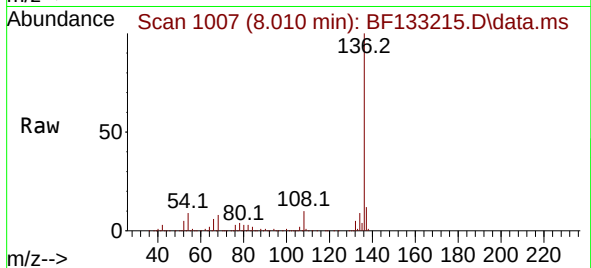
Ion Ratio Lower Upper

136 100

137 11.5 8.6 13.0

54 9.5 7.0 10.4

68 7.5 5.4 8.2



#23

Nitrobenzene-d5

Concen: 66.785 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF133215.D

Acq: 03 May 2023 19:19

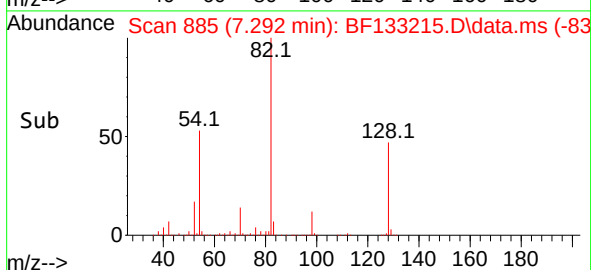
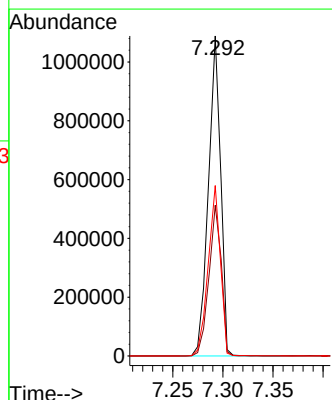
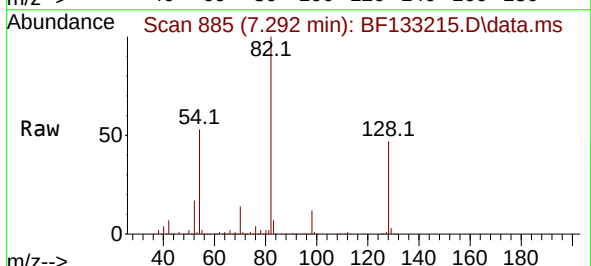
Tgt Ion: 82 Resp: 928990

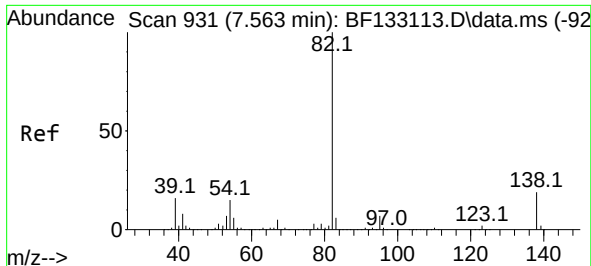
Ion Ratio Lower Upper

82 100

128 47.1 37.7 56.5

54 53.2 43.0 64.4

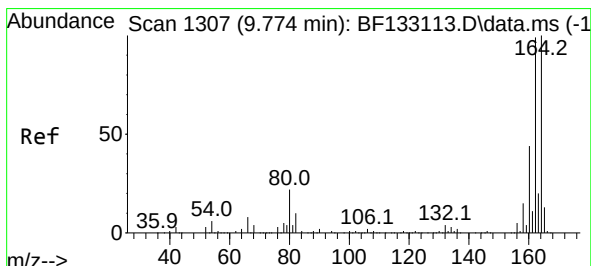
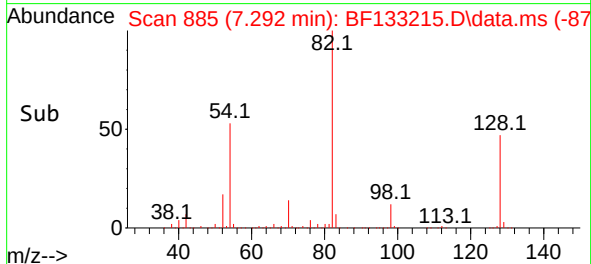
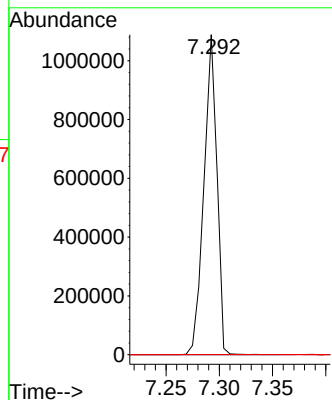
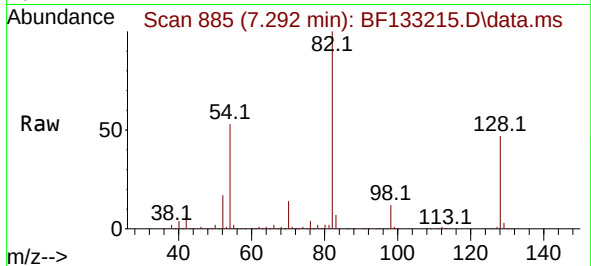




#25
Isophorone
Concen: 35.175 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133215.D
Acq: 03 May 2023 19:19

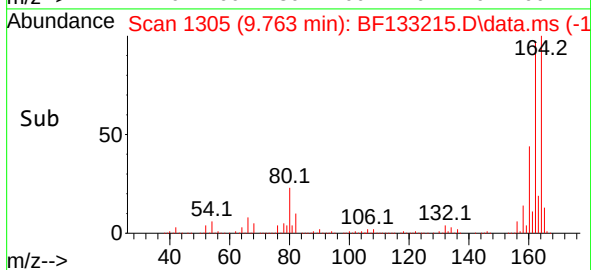
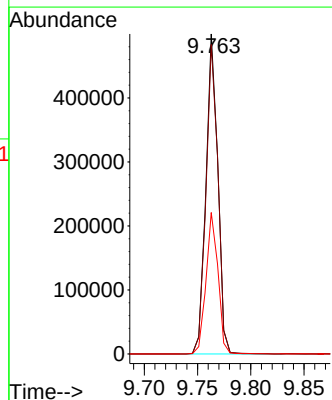
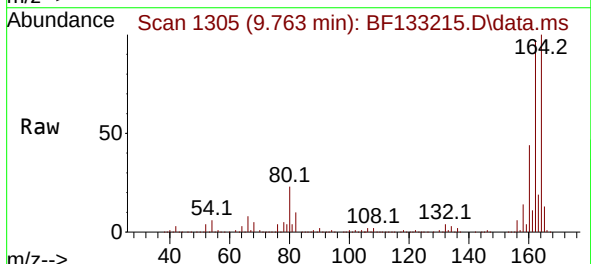
Instrument :
BNA_F
ClientSampleId :
CF-21

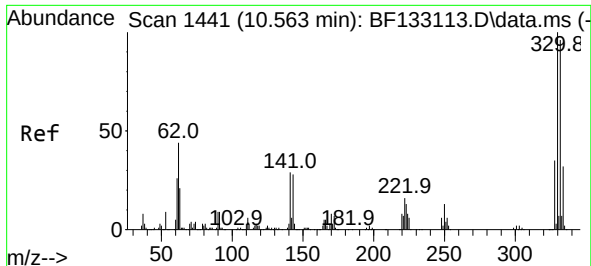
Tgt Ion: 82 Resp: 928981
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133215.D
Acq: 03 May 2023 19:19

Tgt Ion:164 Resp: 388302
Ion Ratio Lower Upper
164 100
162 96.7 78.7 118.1
160 44.2 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 35.399 ng

RT: 10.551 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133215.D

Acq: 03 May 2023 19:19

Instrument :

BNA_F

ClientSampleId :

CF-21

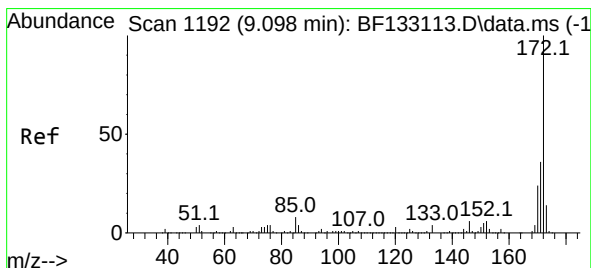
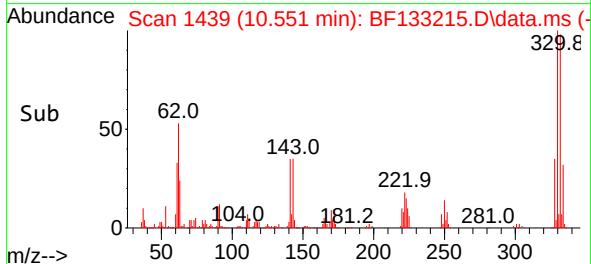
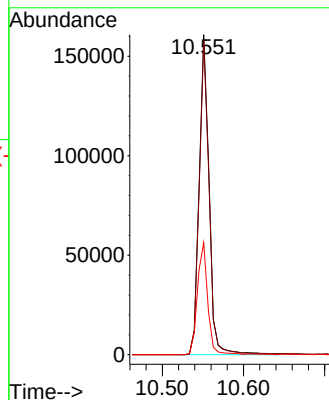
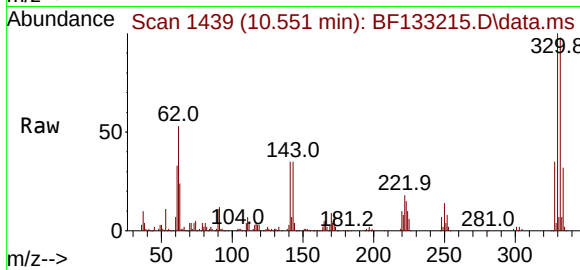
Tgt Ion:330 Resp: 138239

Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 36.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 69.012 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF133215.D

Acq: 03 May 2023 19:19

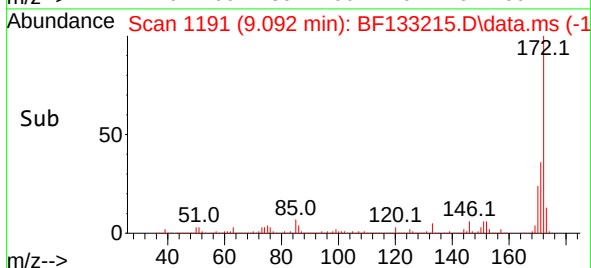
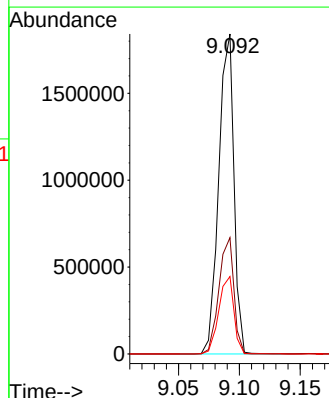
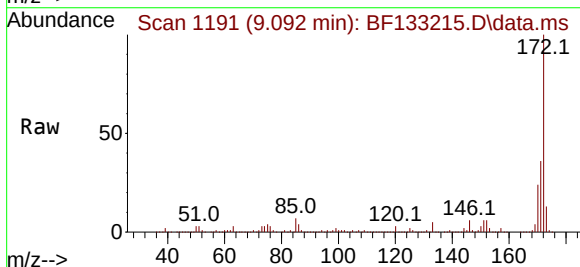
Tgt Ion:172 Resp: 1601765

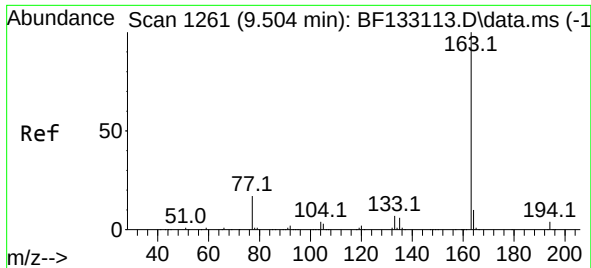
Ion Ratio Lower Upper

172 100

171 36.3 28.8 43.2

170 24.2 19.4 29.2

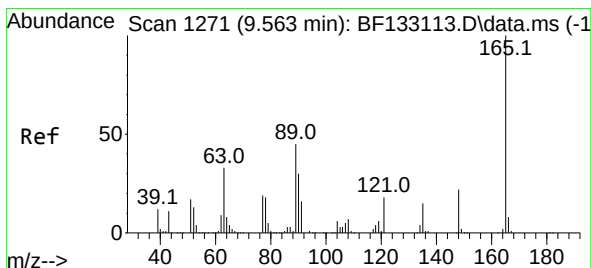
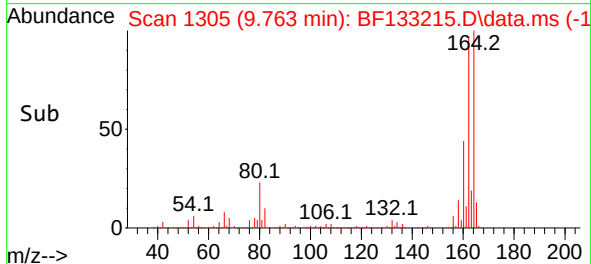
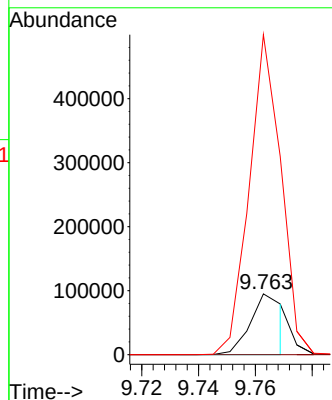
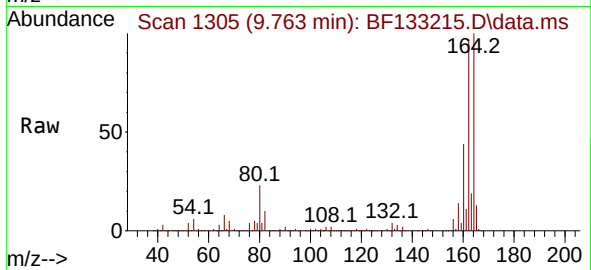




#50
Dimethylphthalate
Concen: 2.818 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.264 min
Lab File: BF133215.D
Acq: 03 May 2023 19:19

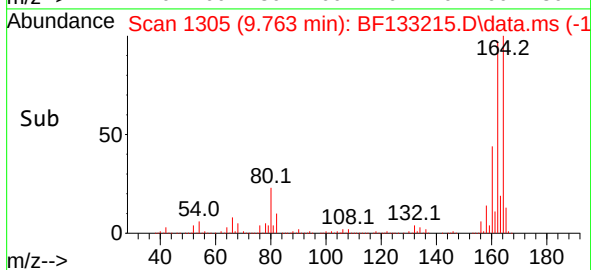
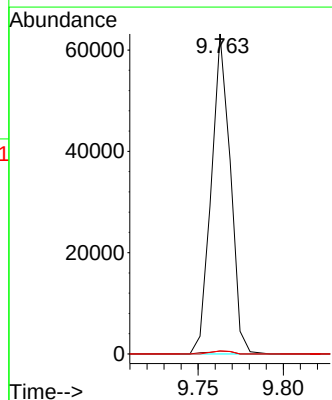
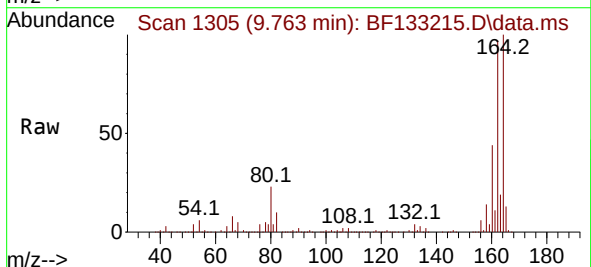
Instrument :
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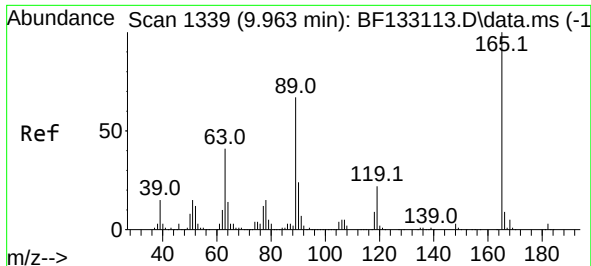
Tgt Ion:163 Resp: 76291
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 525.8 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.063 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133215.D
Acq: 03 May 2023 19:19

Tgt Ion:165 Resp: 49134
Ion Ratio Lower Upper
165 100
63 0.9 45.9 68.9#
89 1.0 44.0 66.0#

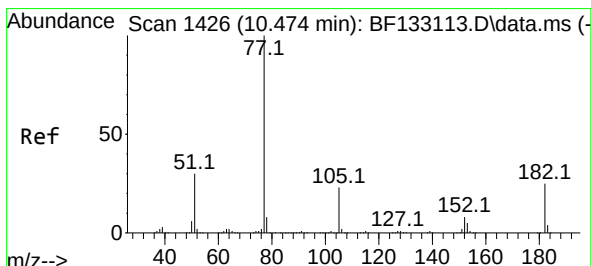
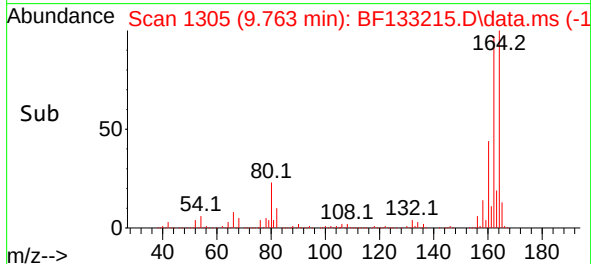
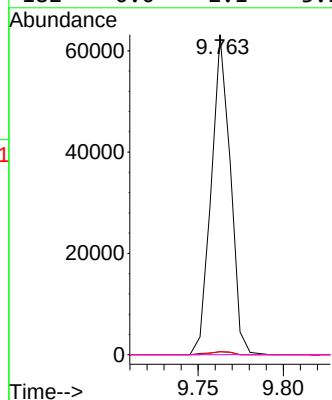
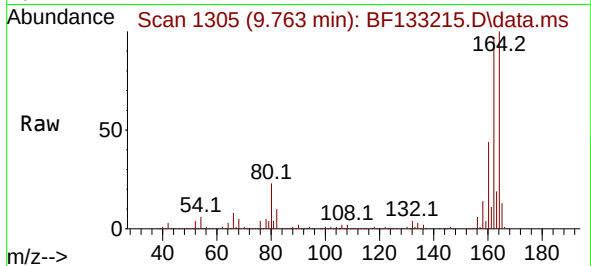




#57
2,4-Dinitrotoluene
Concen: 6.322 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133215.D
Acq: 03 May 2023 19:19

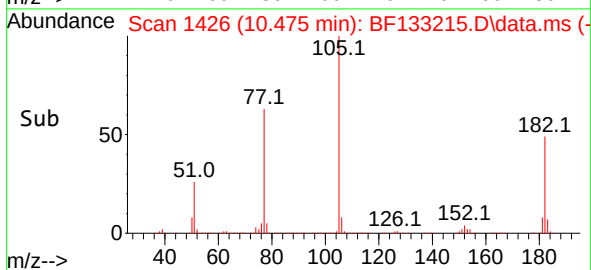
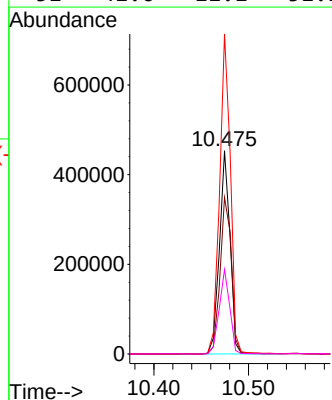
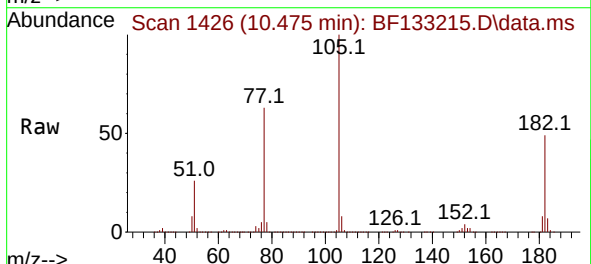
Instrument :
BNA_F
ClientSampleId :
CF-21

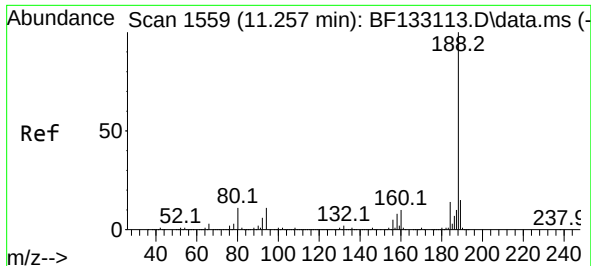
Tgt Ion:165	Resp:	49134
Ion Ratio	Lower	Upper
165	100	
63	0.9	37.7 56.5#
89	1.0	57.0 85.4#
182	0.0	2.1 3.1#



#63
Azobenzene
Concen: 13.020 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF133215.D
Acq: 03 May 2023 19:19

Tgt Ion: 77	Resp:	352730
Ion Ratio	Lower	Upper
77	100	
182	77.0	5.9 45.9#
105	157.5	2.3 42.3#
51	41.6	11.1 51.1

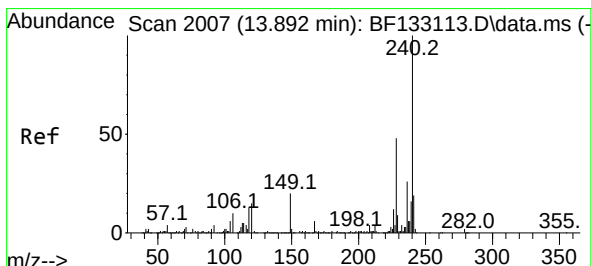
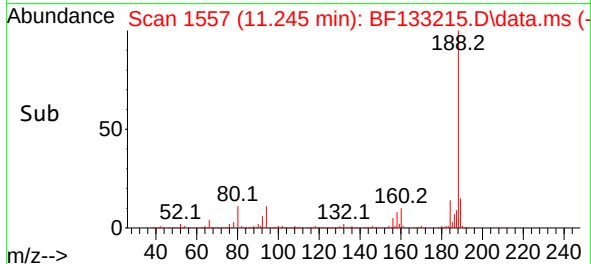
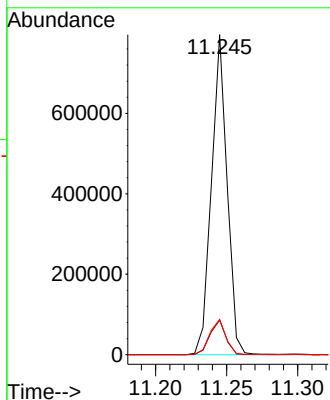
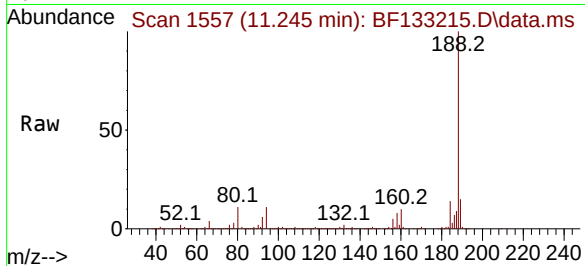




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133215.D
Acq: 03 May 2023 19:19

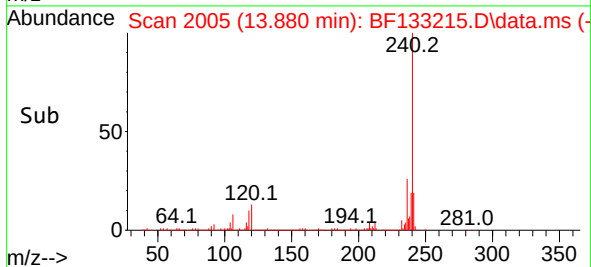
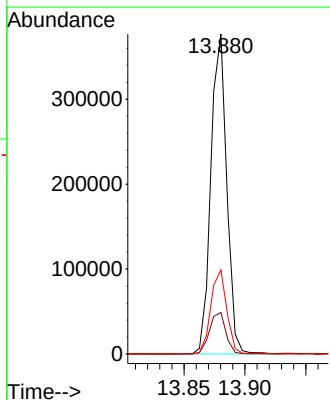
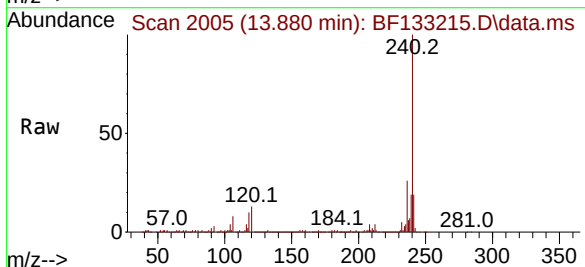
Instrument :
BNA_F
ClientSampleId :
CF-21

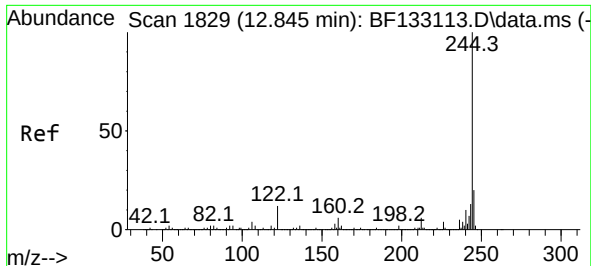
Tgt Ion:188 Resp: 610467
Ion Ratio Lower Upper
188 100
94 10.8 9.7 14.5
80 11.0 10.4 15.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133215.D
Acq: 03 May 2023 19:19

Tgt Ion:240 Resp: 340859
Ion Ratio Lower Upper
240 100
120 12.9 10.5 15.7
236 26.2 21.5 32.3

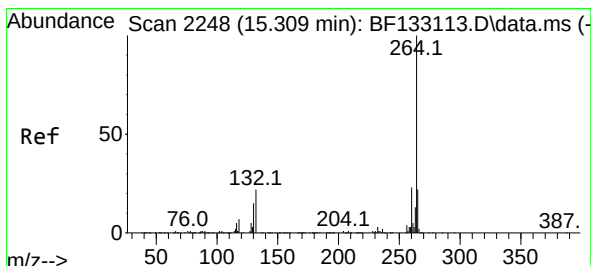
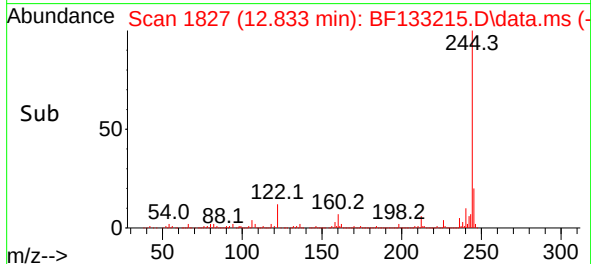
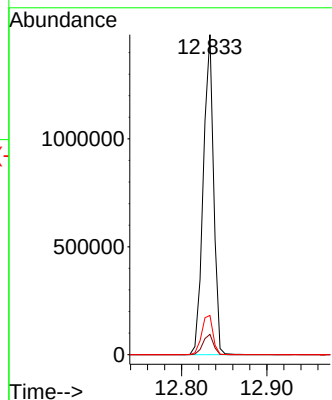
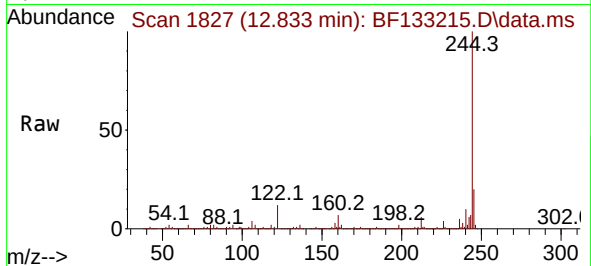




#79
 Terphenyl-d14
 Concen: 63.068 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. -0.006 min
 Lab File: BF133215.D
 Acq: 03 May 2023 19:19

Instrument :
 BNA_F
 ClientSampleId :
 CF-21

Tgt Ion:244 Resp: 1246457
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.2 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.298 min Scan# 2246
 Delta R.T. -0.006 min
 Lab File: BF133215.D
 Acq: 03 May 2023 19:19

Tgt Ion:264 Resp: 391291
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.8 28.2
 265 21.3 17.0 25.4

