

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133217.D
 Acq On : 03 May 2023 20:21
 Operator : CG\JU
 Sample : 02583-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-23

Quant Time: May 04 01:41:23 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)

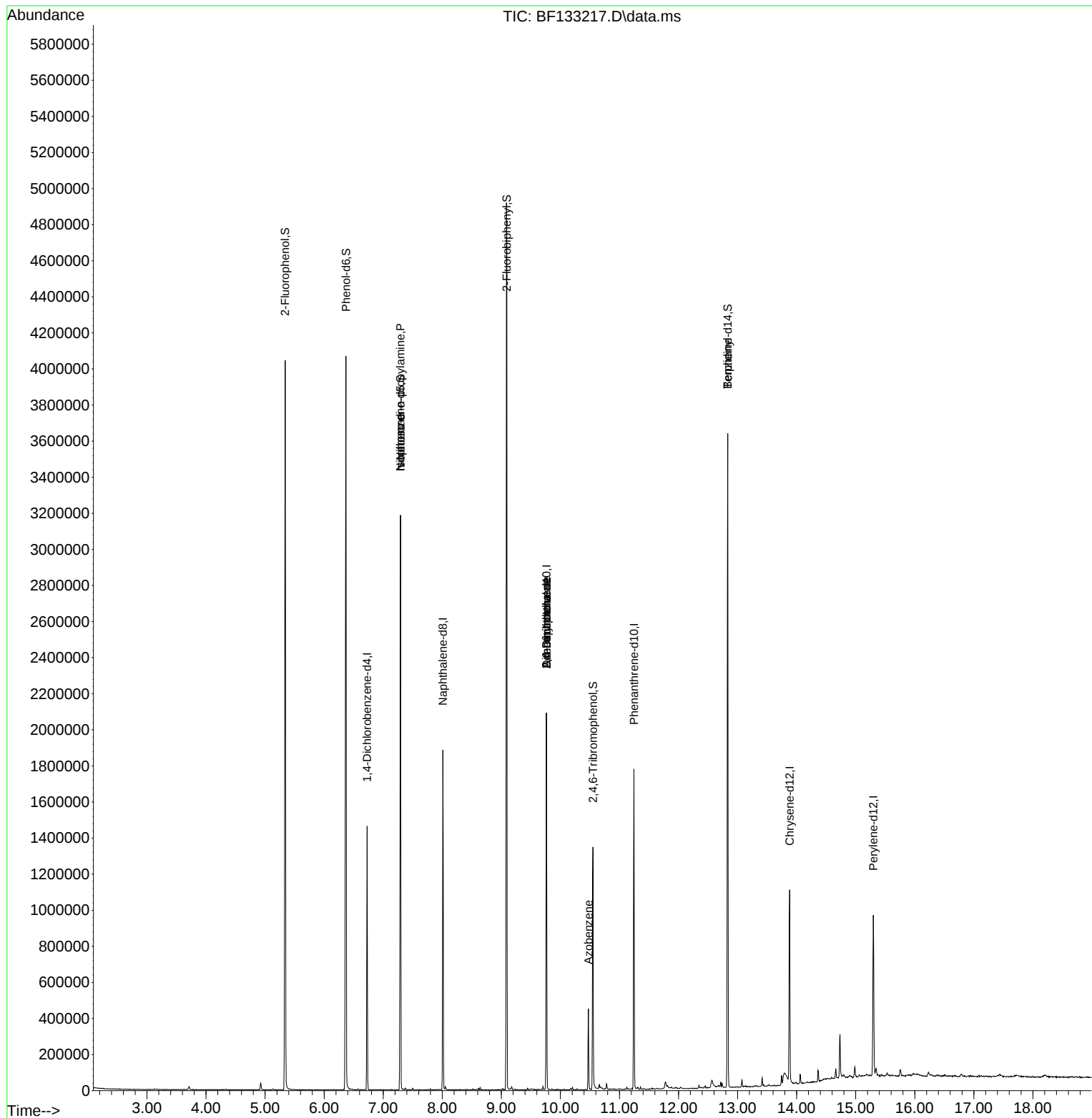
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	179439	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	722785	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	374881	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	588621	20.000	ng	0.00
76) Chrysene-d12	13.880	240	330308	20.000	ng	-0.01
86) Perylene-d12	15.298	264	370782	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1161337	97.767	ng	0.00
7) Phenol-d6	6.369	99	1420240	96.328	ng	0.00
23) Nitrobenzene-d5	7.293	82	874752	65.326	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	152994	40.580	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1537731	68.625	ng	0.00
79) Terphenyl-d14	12.833	244	1197888	62.546	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.281	77	484	Below Cal	#	57
19) n-Nitroso-di-n-propyla...	7.293	70	116013	12.639	ng	# 76
25) Isophorone	7.293	82	874741	34.406	ng	# 63
50) Dimethylphthalate	9.763	163	73525	2.813	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	48058	8.168	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	48058	6.405	ng	# 23
63) Azobenzene	10.475	77	72065	2.755	ng	# 1
77) Benzidine	12.833	184	15041	2.693	ng	# 88

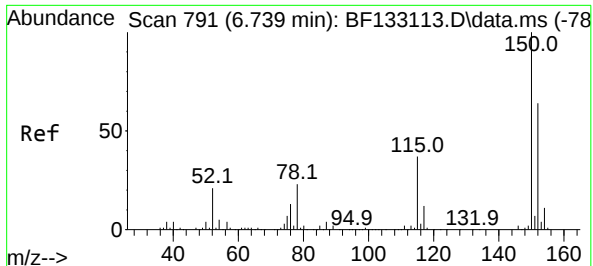
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:31:52 2023
Response via : Initial Calibration

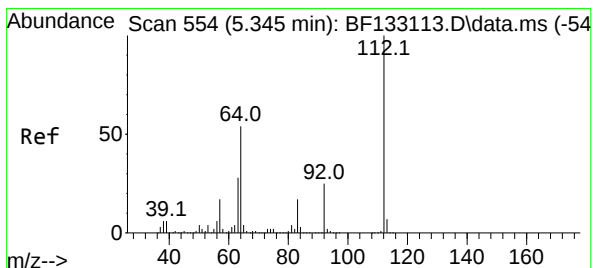
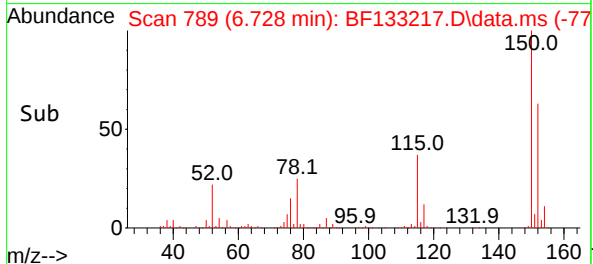
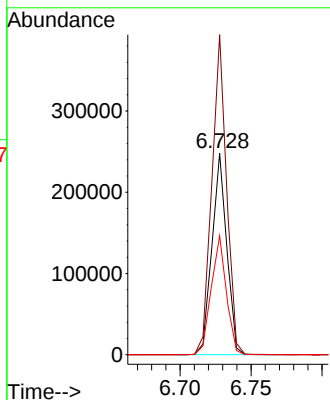
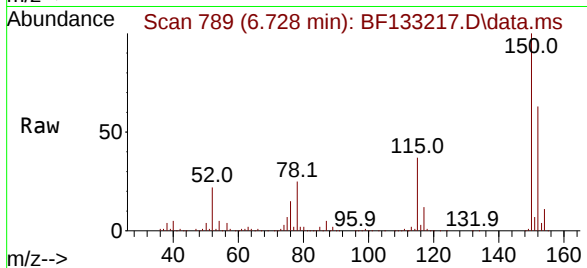




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

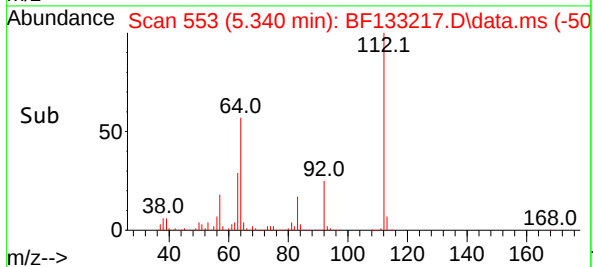
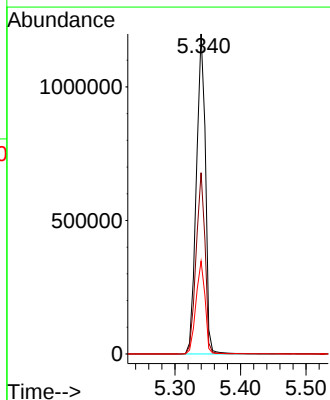
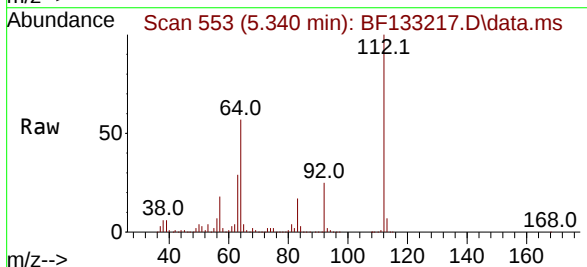
Instrument :
BNA_F
ClientSampleId :
CF-23

Tgt Ion:152 Resp: 179439
Ion Ratio Lower Upper
152 100
150 158.7 124.8 187.2
115 59.0 49.9 74.9



#5
2-Fluorophenol
Concen: 97.767 ng
RT: 5.340 min Scan# 553
Delta R.T. -0.000 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

Tgt Ion:112 Resp: 1161337
Ion Ratio Lower Upper
112 100
64 56.6 46.8 70.2
63 29.0 23.8 35.8

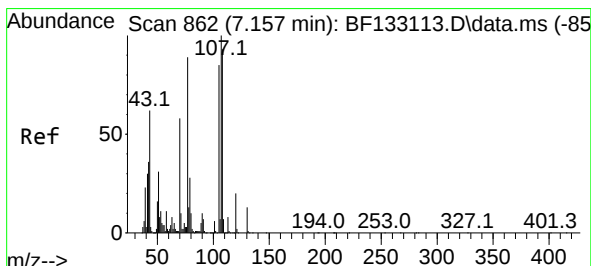
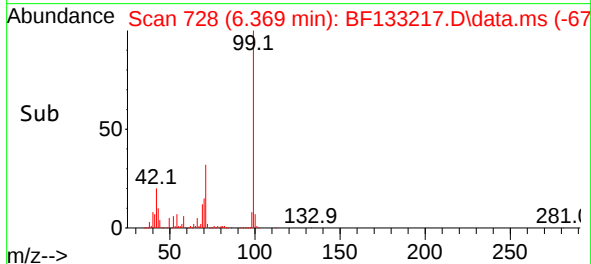
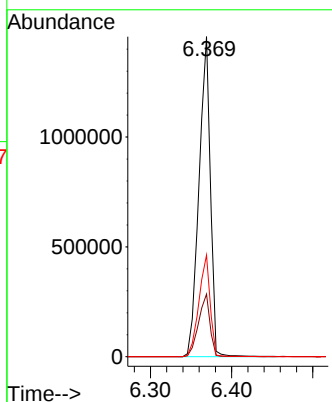
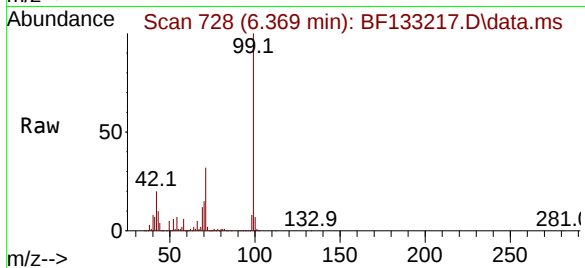




#7
Phenol-d6
Concen: 96.328 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

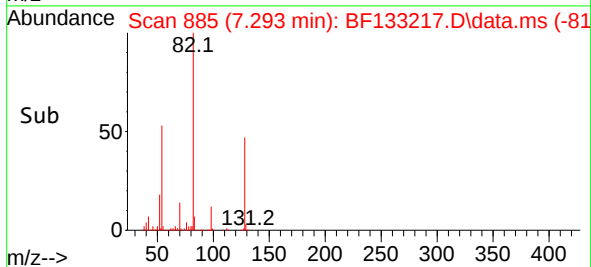
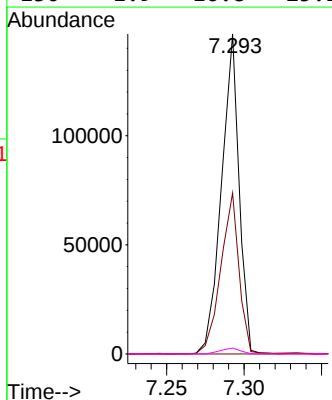
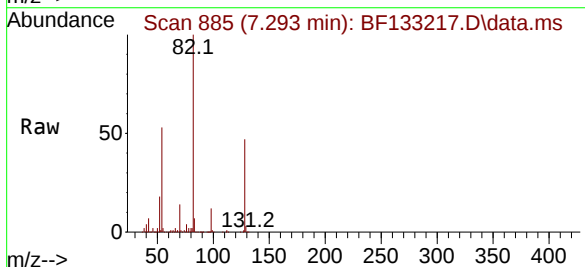
Instrument :
BNA_F
ClientSampleId :
CF-23

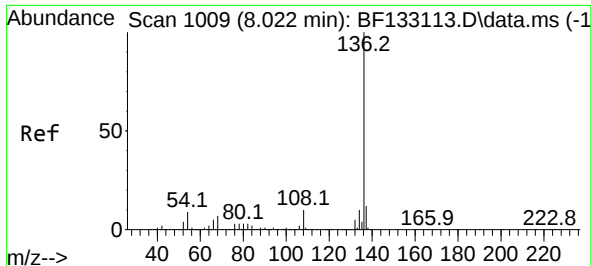
Tgt Ion: 99 Resp: 1420240
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 31.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.639 ng
RT: 7.293 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

Tgt Ion: 70 Resp: 116013
Ion Ratio Lower Upper
70 100
42 50.3 51.8 77.6#
101 0.0 8.0 12.0#
130 1.9 16.8 25.2#



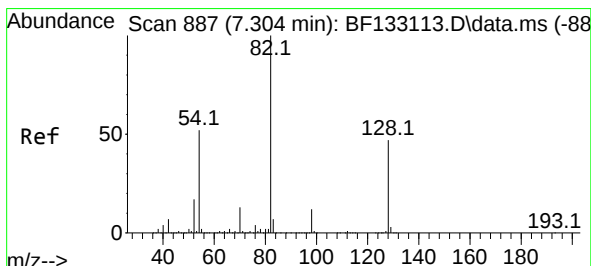
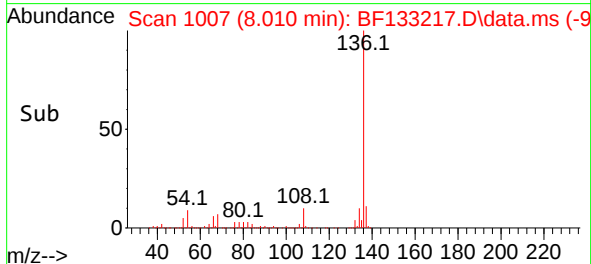
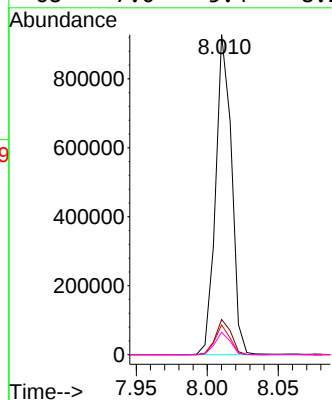
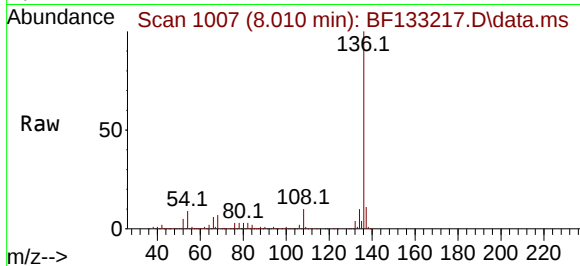


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

Instrument :
BNA_F
ClientSampleId :
CF-23

Tgt Ion:136 Resp: 722785

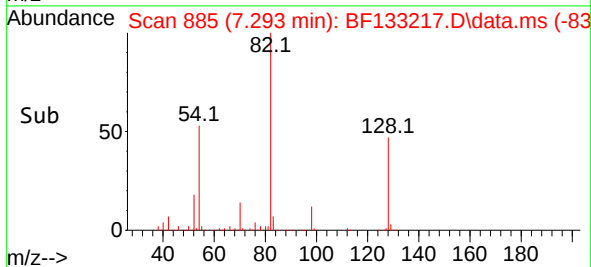
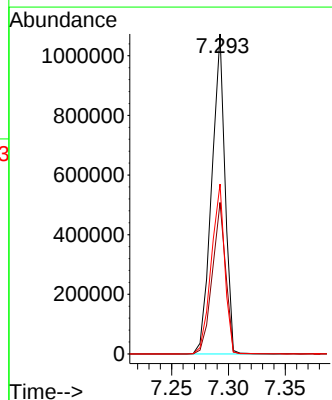
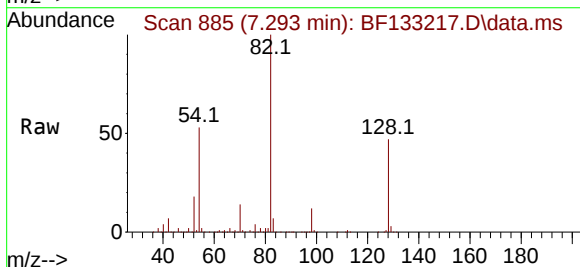
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.3	7.0	10.4
68	7.0	5.4	8.2

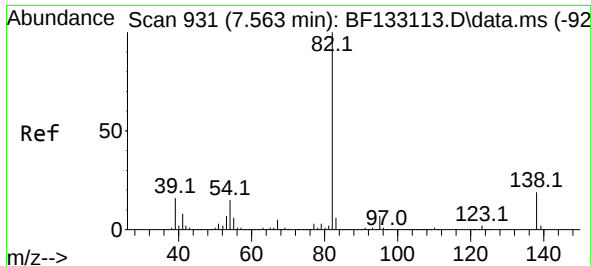


#23
Nitrobenzene-d5
Concen: 65.326 ng
RT: 7.293 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

Tgt Ion: 82 Resp: 874752

Ion	Ratio	Lower	Upper
82	100		
128	47.3	37.7	56.5
54	53.1	43.0	64.4

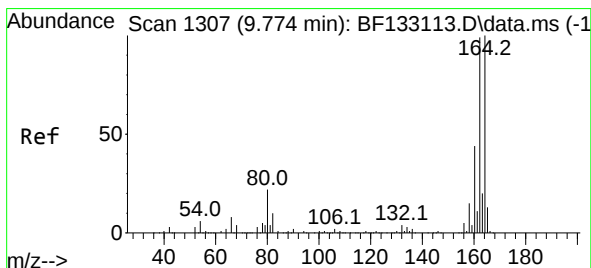
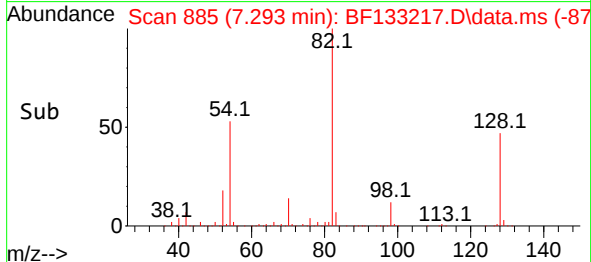
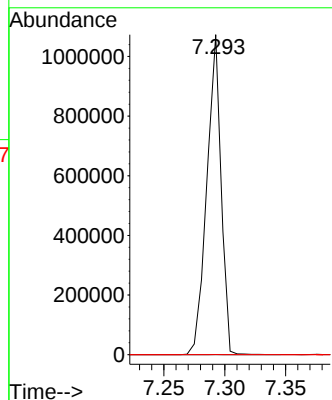
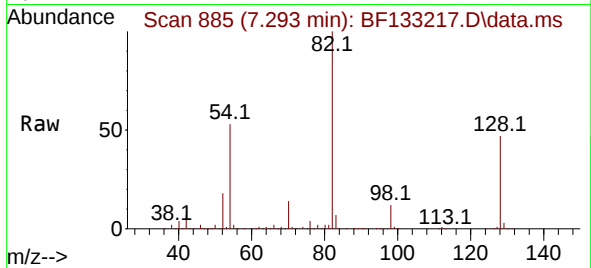




#25
Isophorone
Concen: 34.406 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

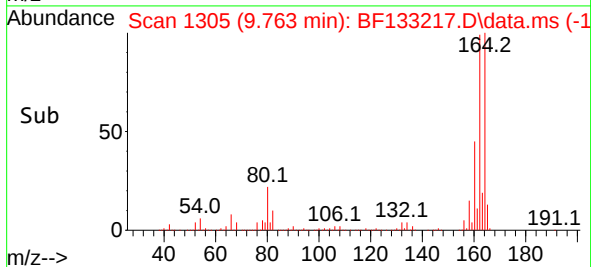
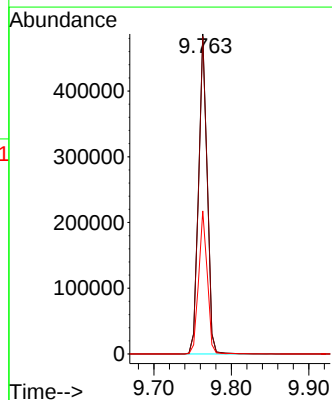
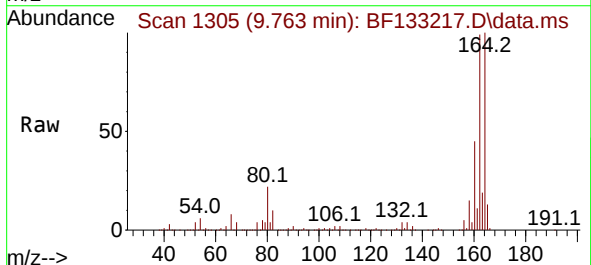
Instrument :
BNA_F
ClientSampleId :
CF-23

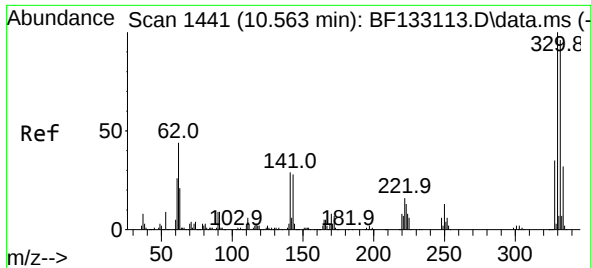
Tgt Ion: 82 Resp: 874741
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

Tgt Ion:164 Resp: 374881
Ion Ratio Lower Upper
164 100
162 99.2 78.7 118.1
160 44.7 35.8 53.6

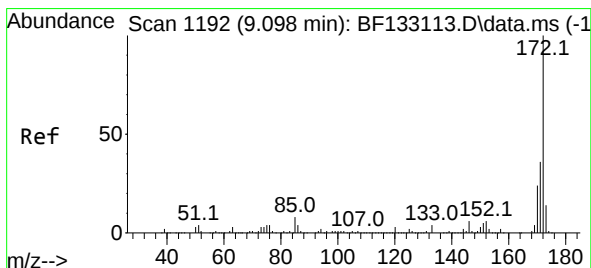
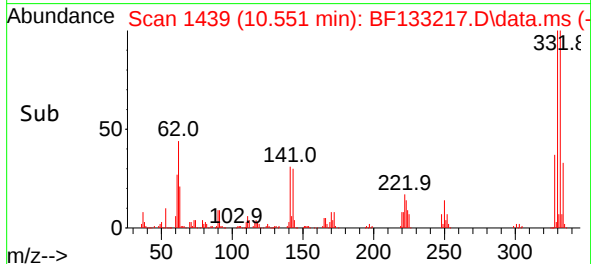
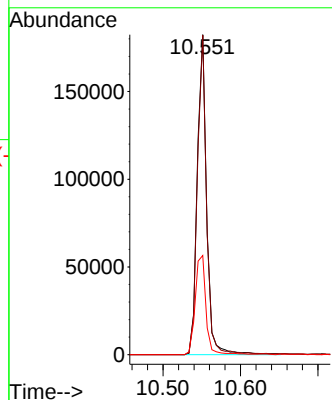
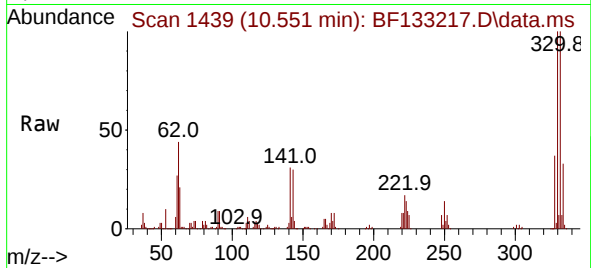




#42
2,4,6-Tribromophenol
Concen: 40.580 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

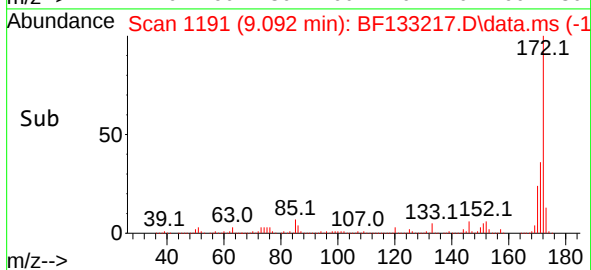
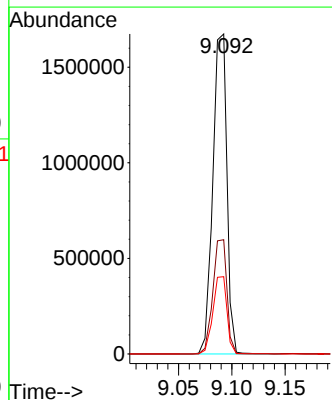
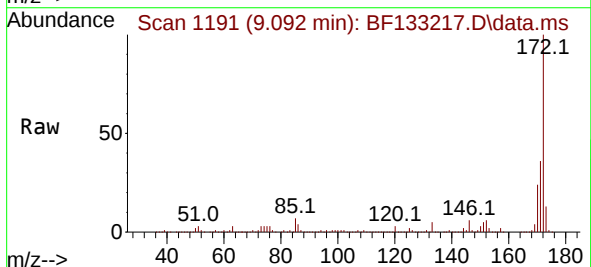
Instrument :
BNA_F
ClientSampleId :
CF-23

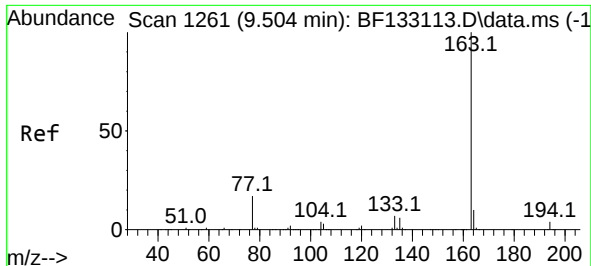
Tgt Ion:330 Resp: 152994
Ion Ratio Lower Upper
330 100
332 98.7 77.1 115.7
141 35.6 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 68.625 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.000 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

Tgt Ion:172 Resp: 1537731
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 24.1 19.4 29.2

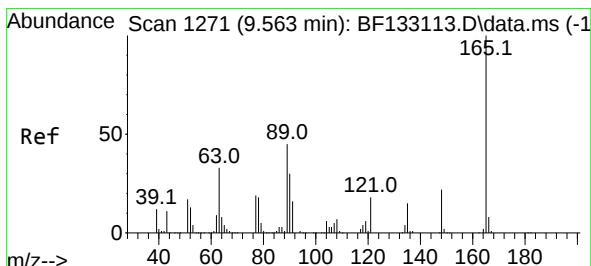
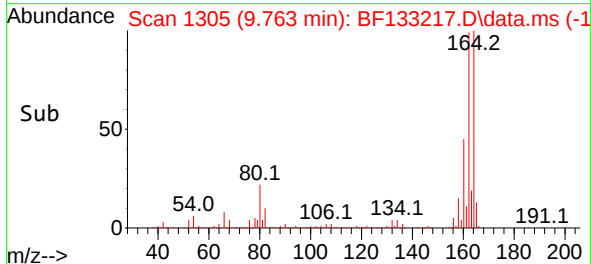
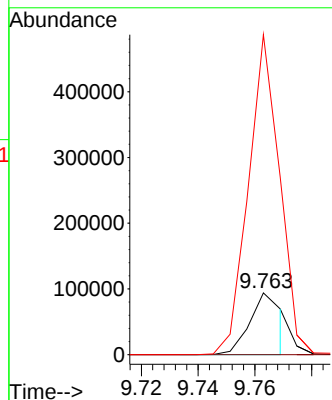
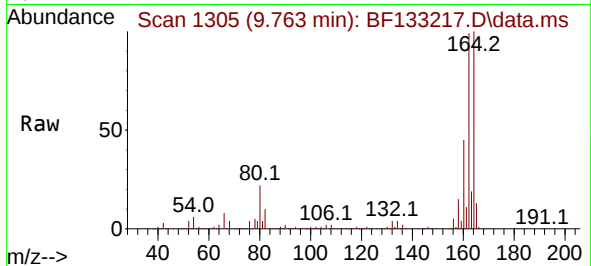




#50
Dimethylphthalate
Concen: 2.813 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.265 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

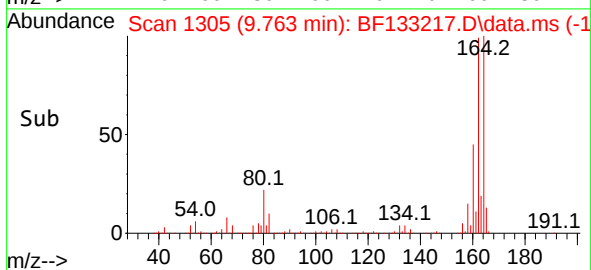
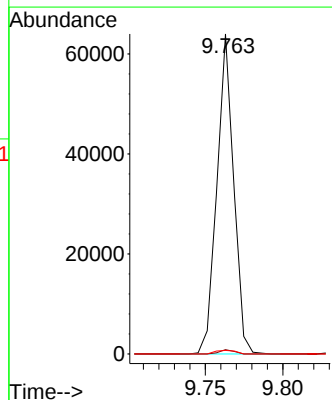
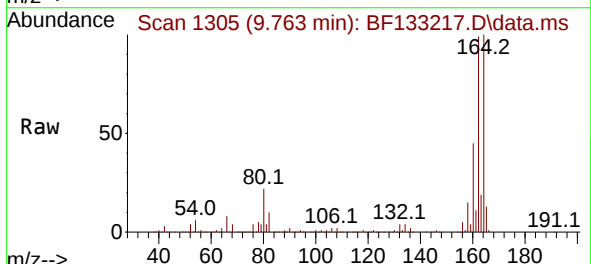
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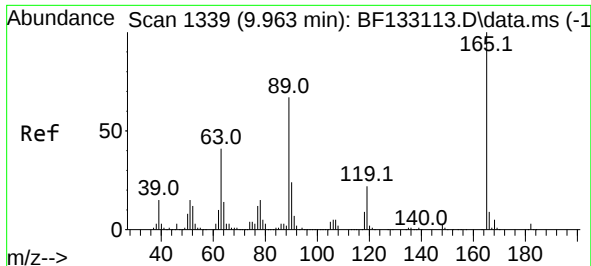
Tgt Ion:163 Resp: 73525
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 517.4 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.168 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

Tgt Ion:165 Resp: 48058
Ion Ratio Lower Upper
165 100
63 1.4 45.9 68.9#
89 1.1 44.0 66.0#

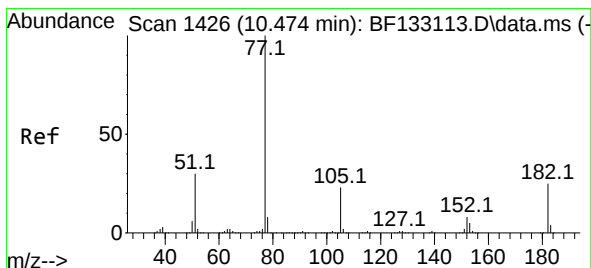
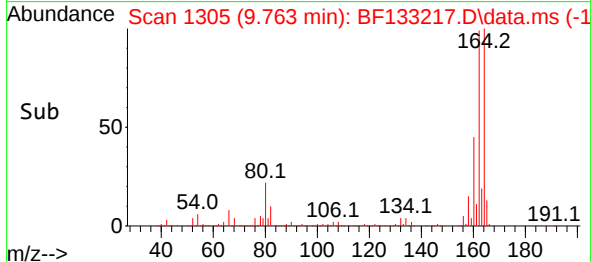
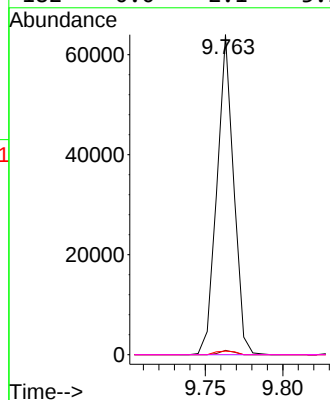
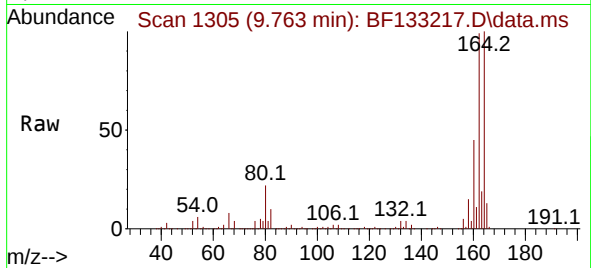




#57
2,4-Dinitrotoluene
Concen: 6.405 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

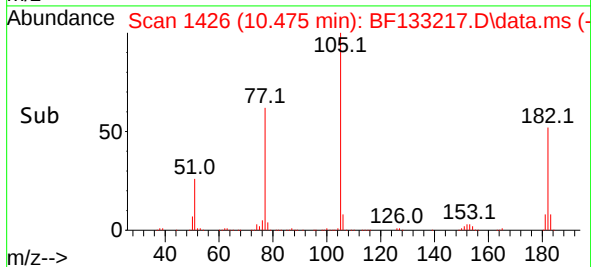
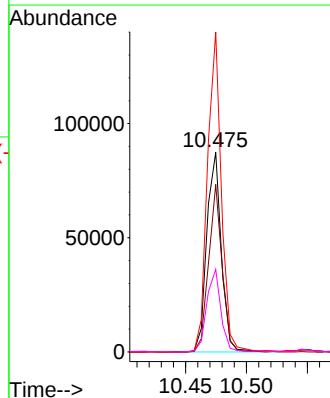
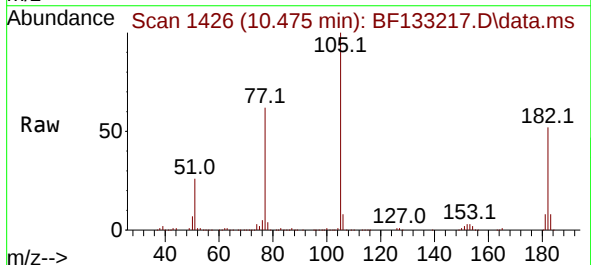
Instrument :
BNA_F
ClientSampleId :
CF-23

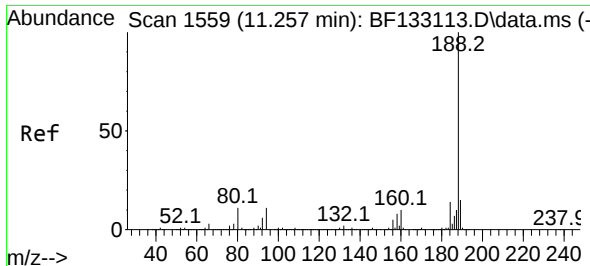
Tgt Ion:165 Resp: 48058
Ion Ratio Lower Upper
165 100
63 1.4 37.7 56.5#
89 1.1 57.0 85.4#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.755 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

Tgt Ion: 77 Resp: 72065
Ion Ratio Lower Upper
77 100
182 83.9 5.9 45.9#
105 160.2 2.3 42.3#
51 41.3 11.1 51.1

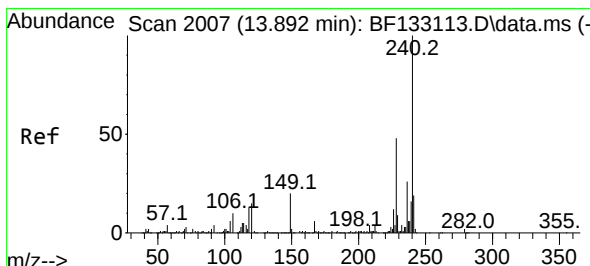
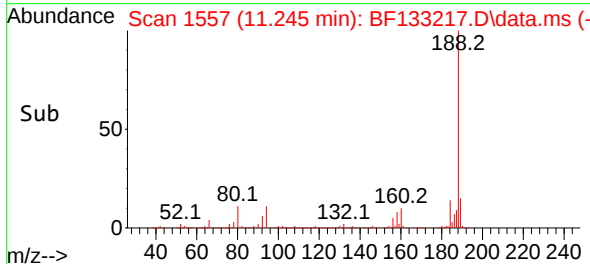
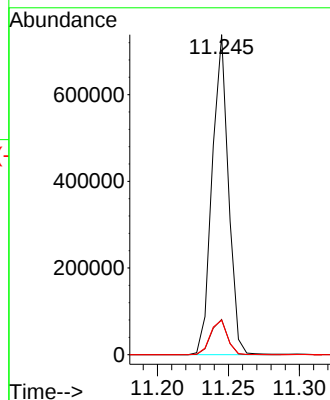
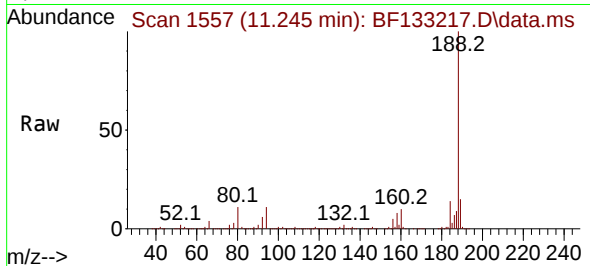




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

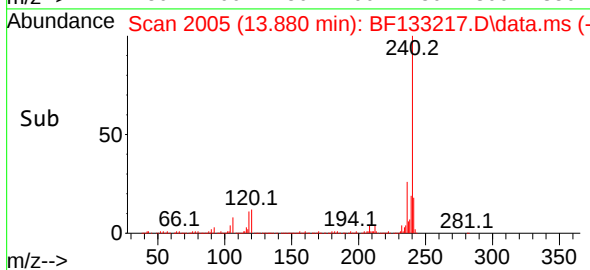
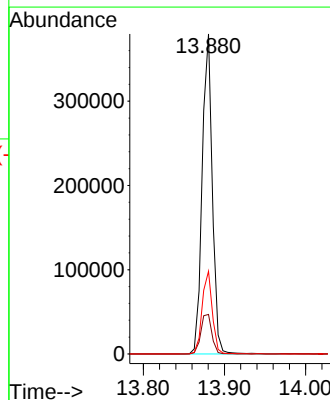
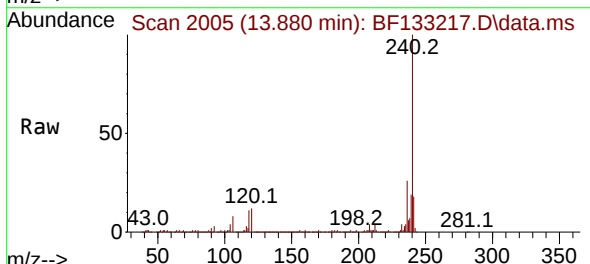
Instrument :
BNA_F
ClientSampleId :
CF-23

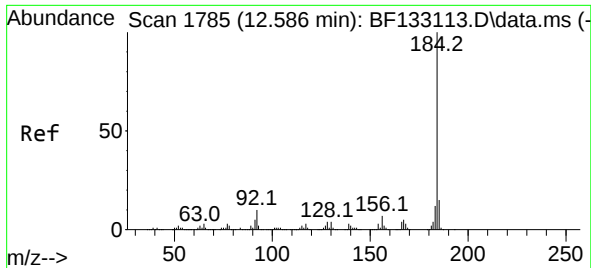
Tgt Ion:188 Resp: 588621
Ion Ratio Lower Upper
188 100
94 11.0 9.7 14.5
80 10.8 10.4 15.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

Tgt Ion:240 Resp: 330308
Ion Ratio Lower Upper
240 100
120 12.3 10.5 15.7
236 25.9 21.5 32.3

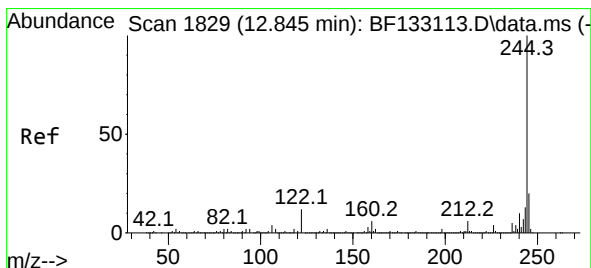
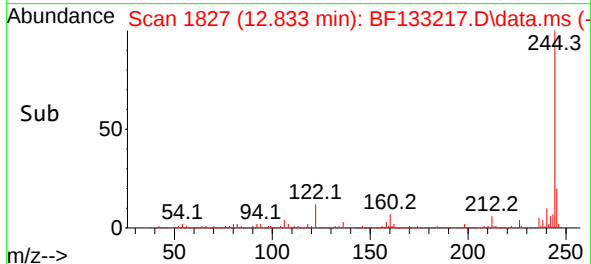
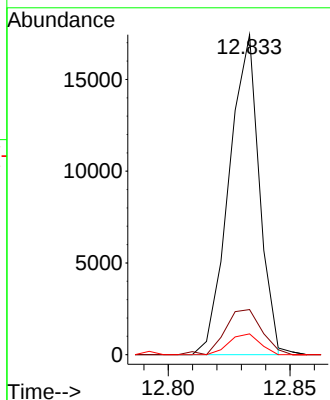
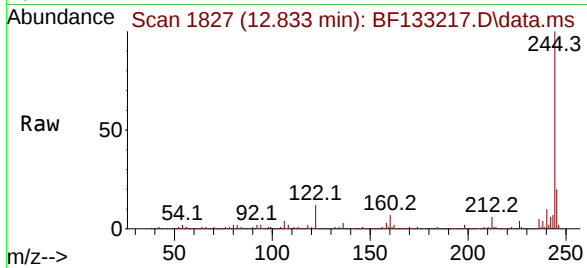




#77
Benzidine
Concen: 2.693 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.253 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

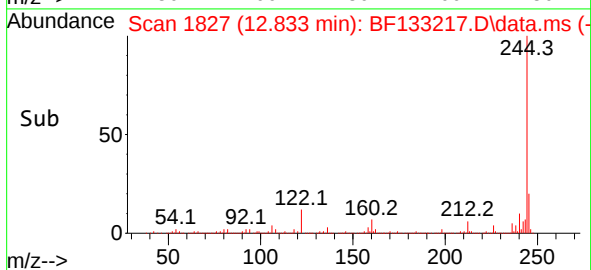
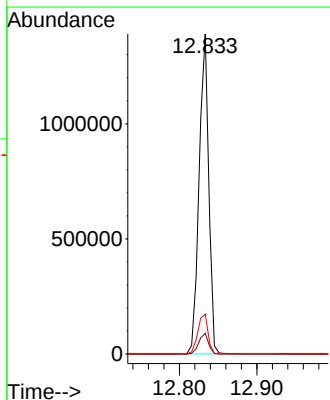
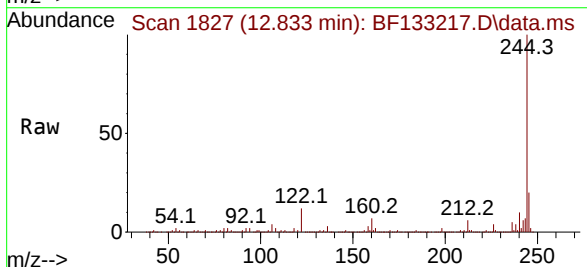
Instrument :
BNA_F
ClientSampleId :
CF-23

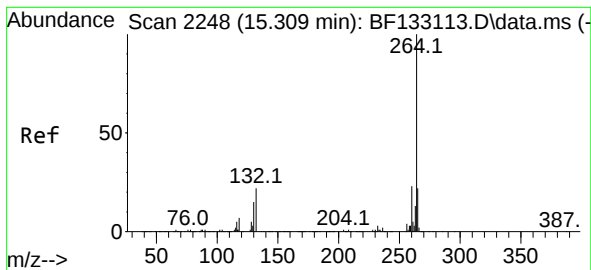
Tgt Ion:184 Resp: 15041
Ion Ratio Lower Upper
184 100
185 14.1 15.4 23.2#
183 6.5 9.4 14.0#



#79
Terphenyl-d14
Concen: 62.546 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF133217.D
Acq: 03 May 2023 20:21

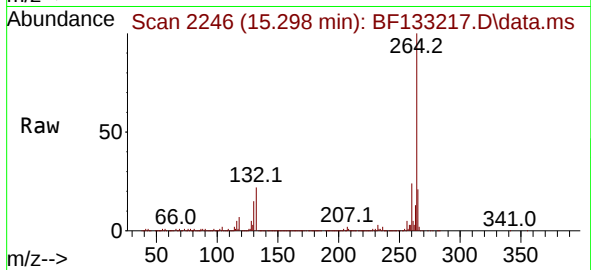
Tgt Ion:244 Resp: 1197888
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 12.4 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.298 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133217.D
 Acq: 03 May 2023 20:21

Instrument :
 BNA_F
 ClientSampleId :
 CF-23



Tgt Ion:264 Resp: 370782
 Ion Ratio Lower Upper
 264 100
 260 24.3 18.8 28.2
 265 21.5 17.0 25.4

