

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133144.D
 Acq On : 29 Apr 2023 03:12
 Operator : CG\JU
 Sample : 02522-15DL 20X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-14DL

Quant Time: May 01 03:11:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 03:03:04 2023
 Response via : Initial Calibration

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

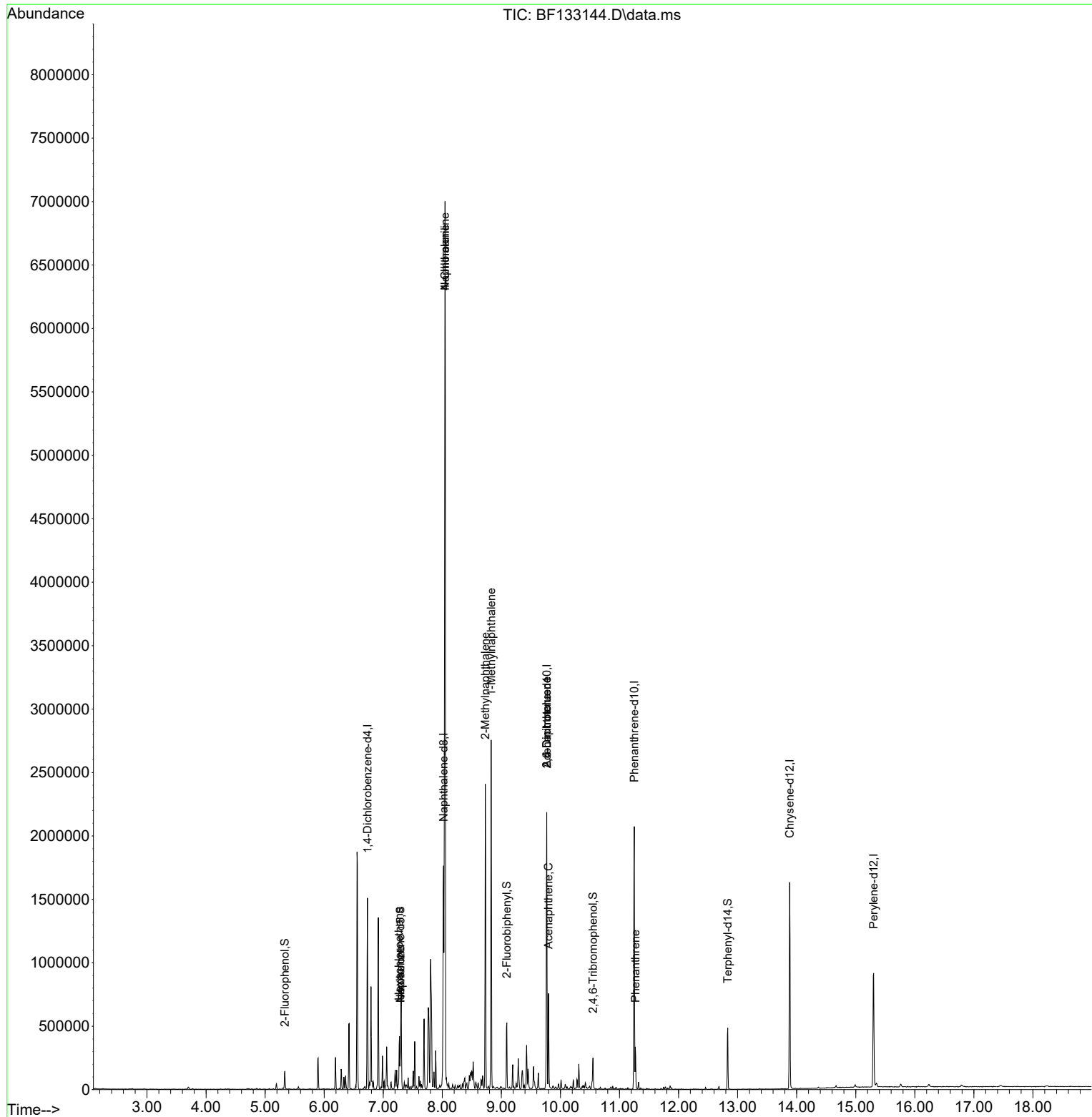
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	196264	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	802756	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	400218	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	727468	20.000	ng	0.00
76) Chrysene-d12	13.880	240	499117	20.000	ng	-0.01
86) Perylene-d12	15.304	264	391839	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	38810	2.987	ng	0.00
7) Phenol-d6	6.363	99	28410	1.762	ng	-0.02
23) Nitrobenzene-d5	7.292	82	69198	4.653	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	24663	6.128	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	145700	6.091	ng	0.00
79) Terphenyl-d14	12.833	244	159621	5.516	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.287	77	6336	Below Cal	#	1
18) Hexachloroethane	7.269	117	26996	5.524	ng	# 1
25) Isophorone	7.292	82	68862	2.439	ng	# 62
31) Naphthalene	8.045	128	3356467	83.629	ng	97
33) 4-Chloroaniline	8.045	127	466320	28.756	ng	# 32
37) 2-Methylnaphthalene	8.728	142	590578	21.523	ng	98
38) 1-Methylnaphthalene	8.828	142	620455	24.171	ng	100
51) 2,6-Dinitrotoluene	9.769	165	54516	8.679	ng	# 25
52) Acenaphthene	9.798	154	138166	5.558	ng	99
57) 2,4-Dinitrotoluene	9.769	165	54516	6.806	ng	# 23
71) Phenanthrene	11.269	178	109605	2.803	ng	98

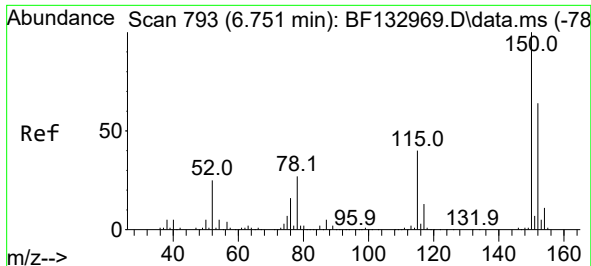
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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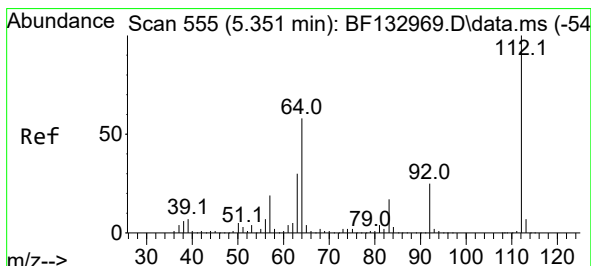
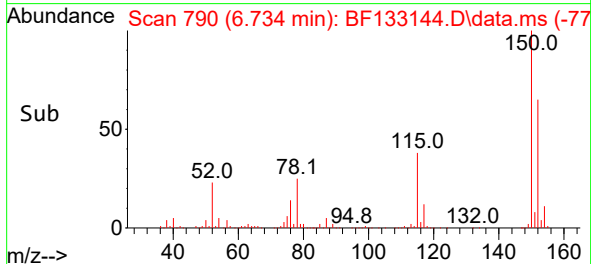
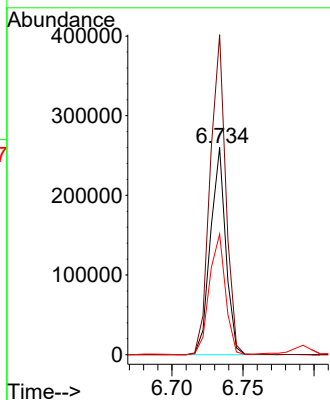
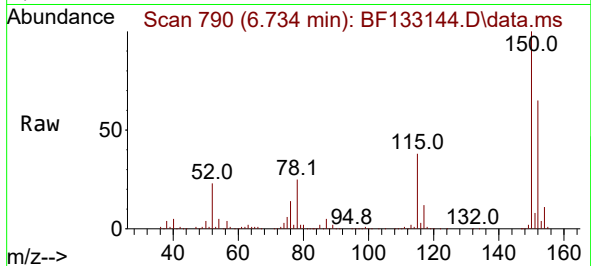




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

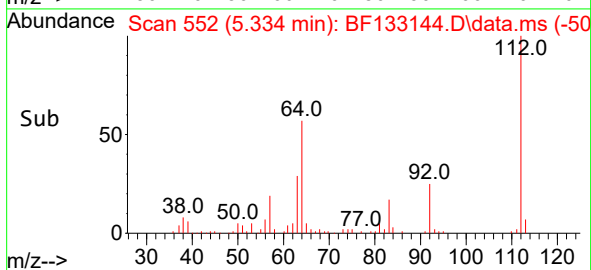
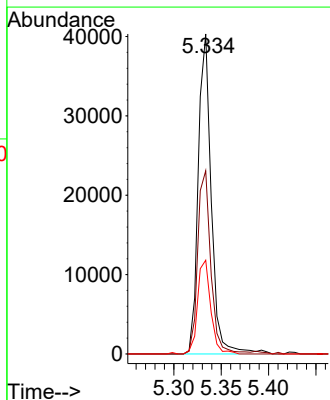
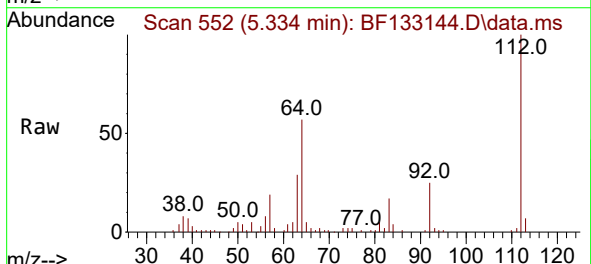
Instrument :
BNA_F
ClientSampleId :
MW-14DL

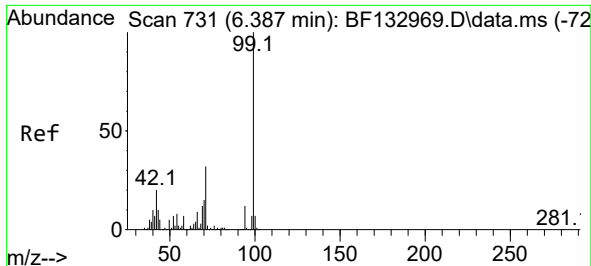
Tgt Ion:152 Resp: 196264
Ion Ratio Lower Upper
152 100
150 154.5 124.8 187.2
115 58.2 49.9 74.9



#5
2-Fluorophenol
Concen: 2.987 ng
RT: 5.334 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

Tgt Ion:112 Resp: 38810
Ion Ratio Lower Upper
112 100
64 57.2 46.8 70.2
63 29.3 23.8 35.8





#7

Phenol-d6

Concen: 1.762 ng

RT: 6.363 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF133144.D

Acq: 29 Apr 2023 03:12

Instrument :

BNA_F

ClientSampleId :

MW-14DL

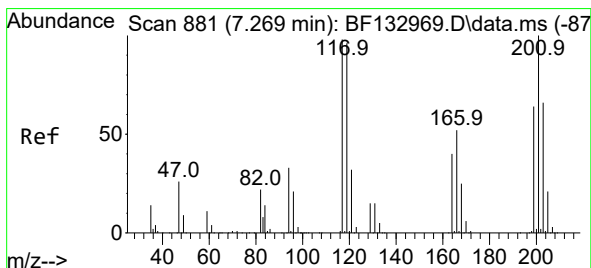
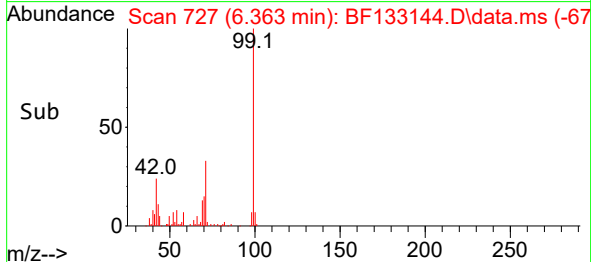
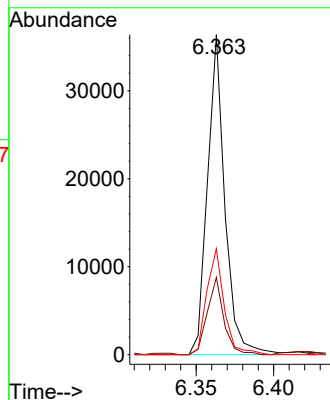
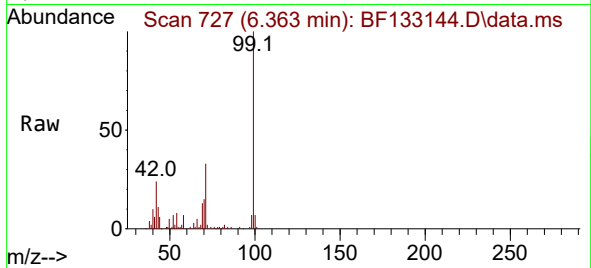
Tgt Ion: 99 Resp: 28410

Ion Ratio Lower Upper

99 100

42 24.1 16.3 24.5

71 33.1 25.6 38.4



#18

Hexachloroethane

Concen: 5.524 ng

RT: 7.269 min Scan# 881

Delta R.T. 0.018 min

Lab File: BF133144.D

Acq: 29 Apr 2023 03:12

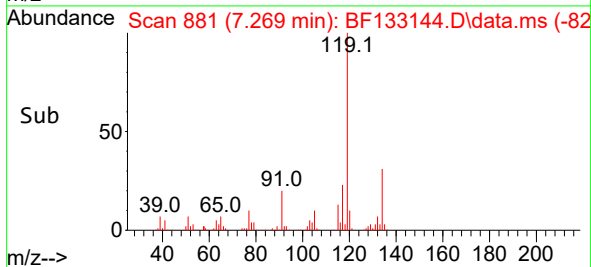
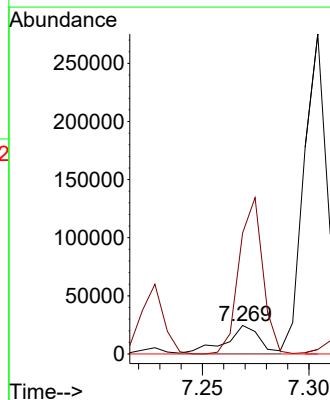
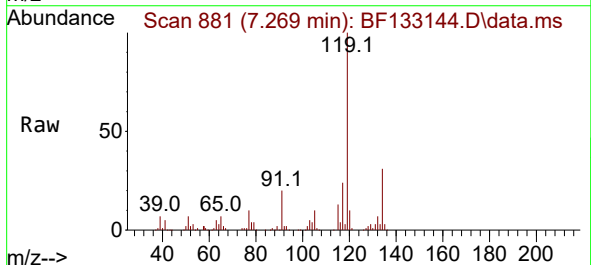
Tgt Ion: 117 Resp: 26996

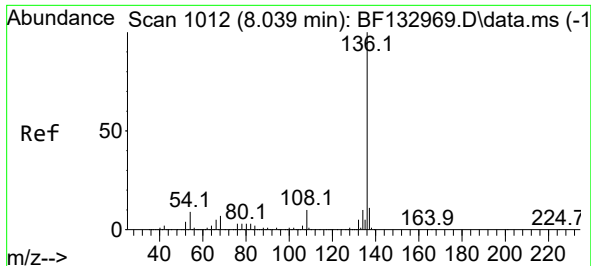
Ion Ratio Lower Upper

117 100

119 423.7 78.2 117.4#

201 0.0 81.7 122.5#

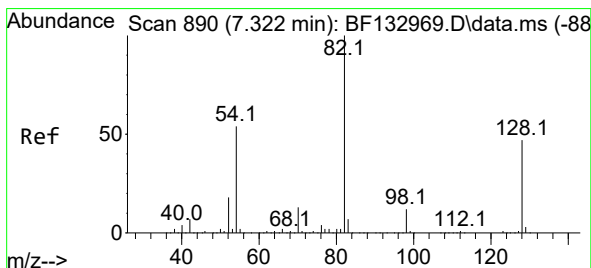
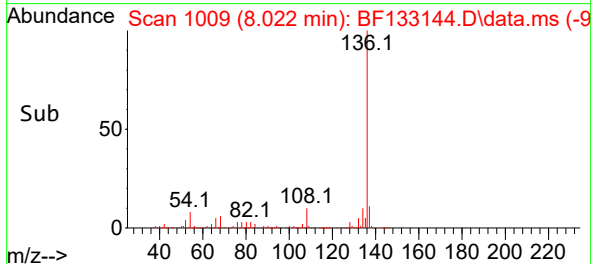
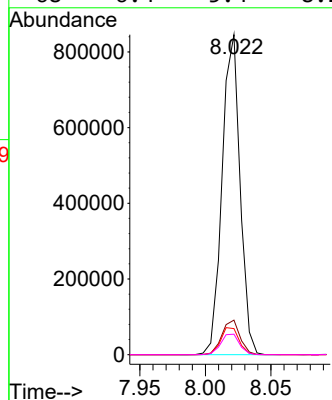
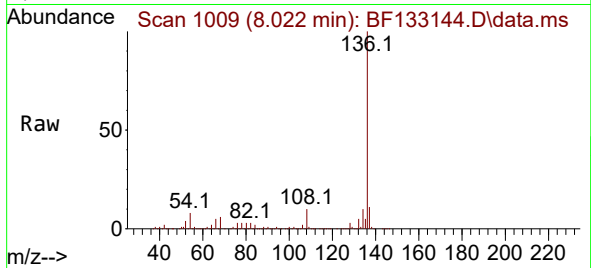




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

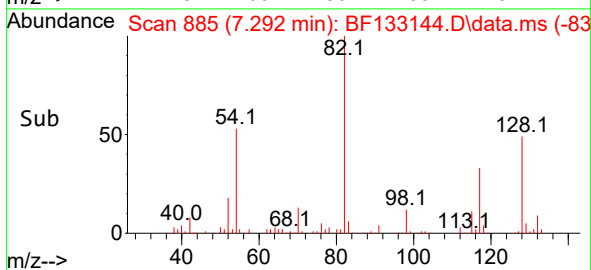
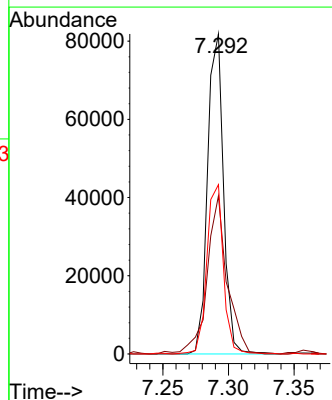
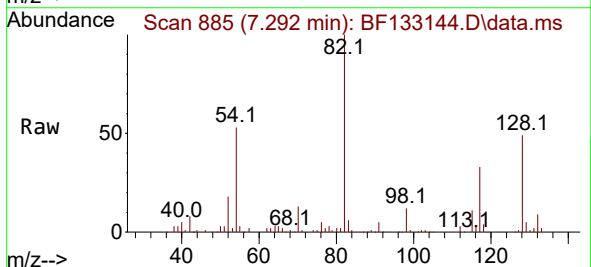
Instrument :
BNA_F
ClientSampleId :
MW-14DL

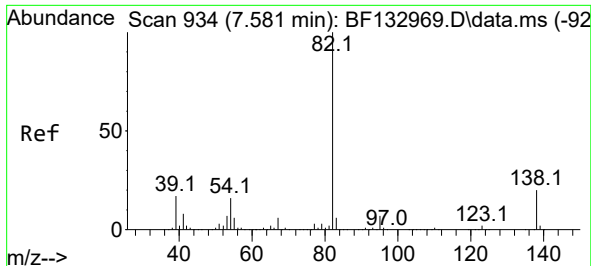
Tgt Ion:136 Resp: 802756
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.1 7.0 10.4
68 6.4 5.4 8.2



#23
Nitrobenzene-d5
Concen: 4.653 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.012 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

Tgt Ion: 82 Resp: 69198
Ion Ratio Lower Upper
82 100
128 49.4 37.7 56.5
54 52.9 43.0 64.4

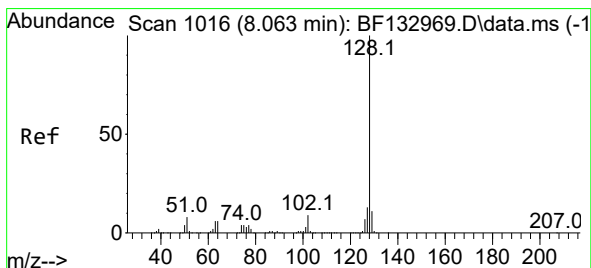
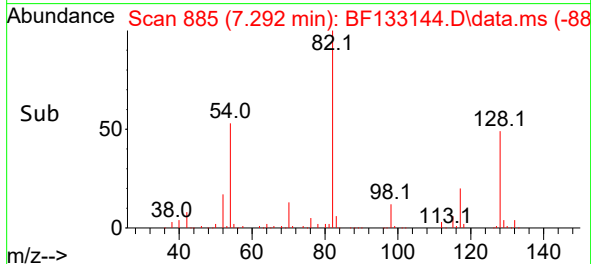
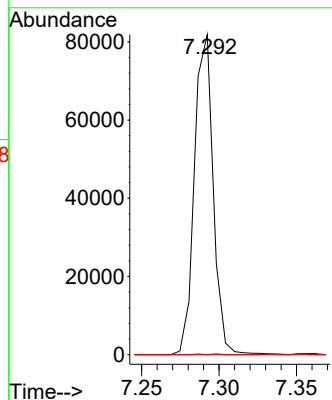
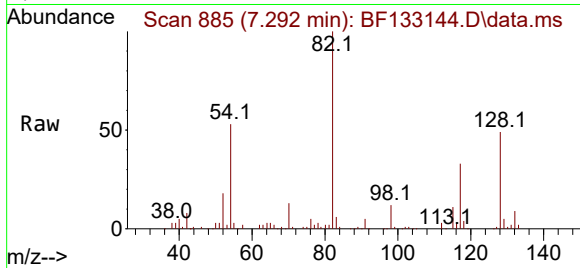




#25
Isophorone
Concen: 2.439 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

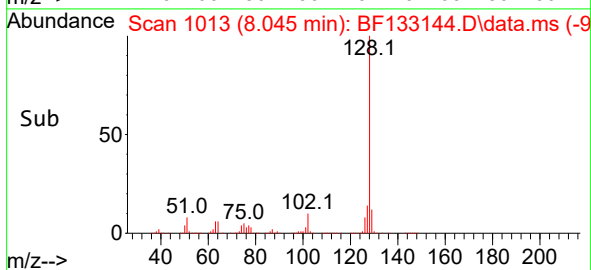
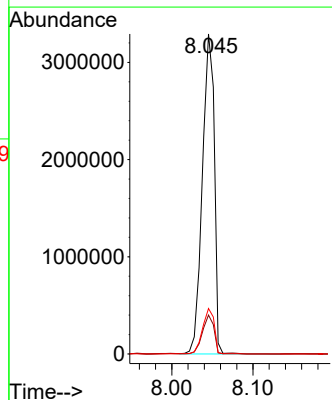
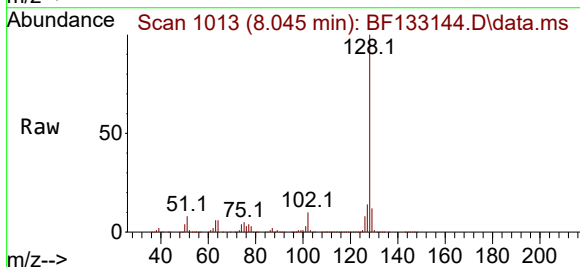
Instrument :
BNA_F
ClientSampleId :
MW-14DL

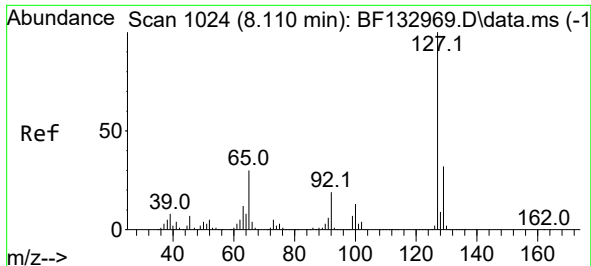
Tgt Ion: 82 Resp: 68862
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#31
Naphthalene
Concen: 83.629 ng
RT: 8.045 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

Tgt Ion: 128 Resp: 3356467
Ion Ratio Lower Upper
128 100
129 12.2 8.8 13.2
127 14.2 10.7 16.1

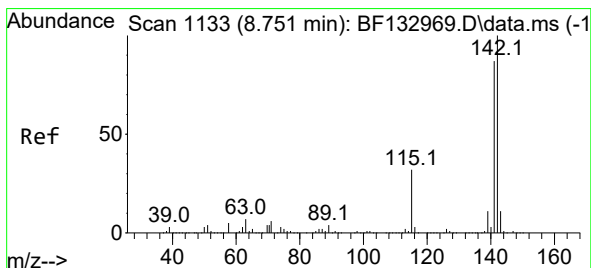
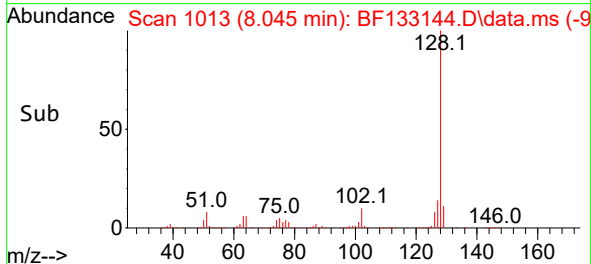
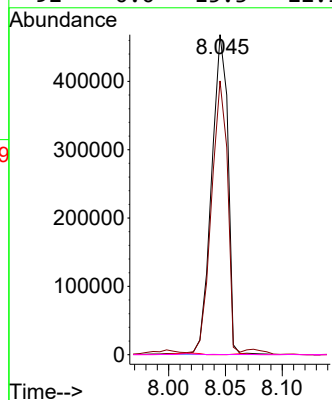
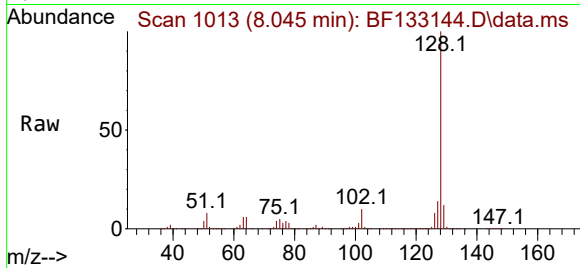




#33
4-Chloroaniline
Concen: 28.756 ng
RT: 8.045 min Scan# 1129
Delta R.T. -0.047 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

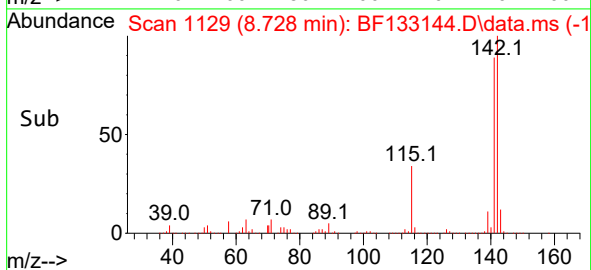
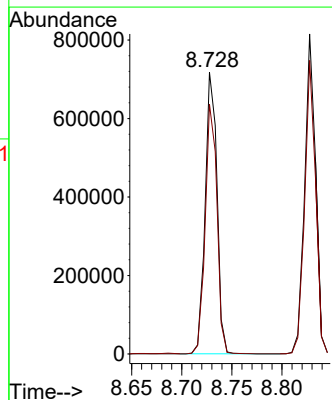
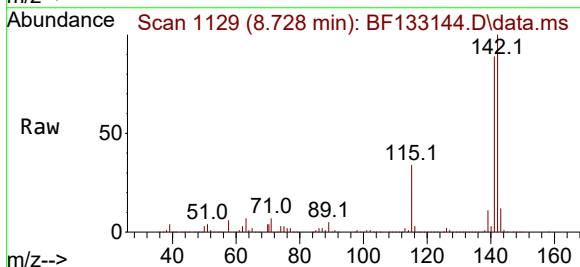
Instrument :
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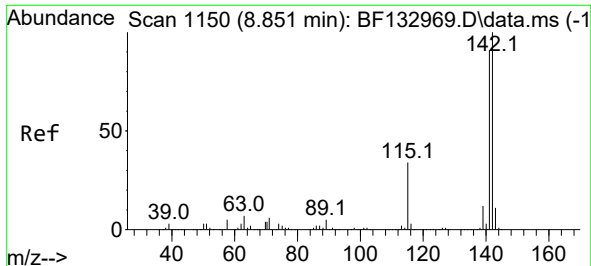
Tgt Ion:127 Resp: 466320
Ion Ratio Lower Upper
127 100
129 85.5 25.8 38.8#
65 0.0 23.6 35.4#
92 0.0 15.3 22.9#



#37
2-Methylnaphthalene
Concen: 21.523 ng
RT: 8.728 min Scan# 1129
Delta R.T. -0.006 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

Tgt Ion:142 Resp: 590578
Ion Ratio Lower Upper
142 100
141 88.7 69.4 104.0

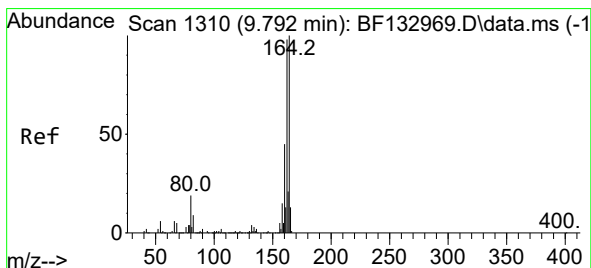
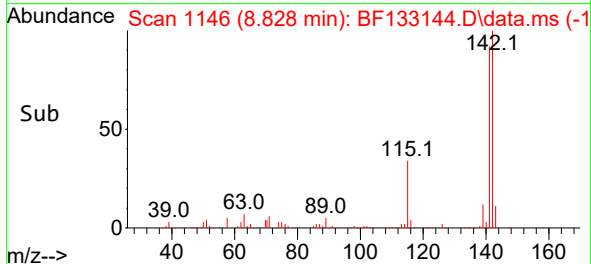
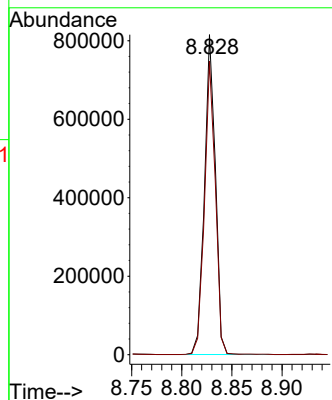
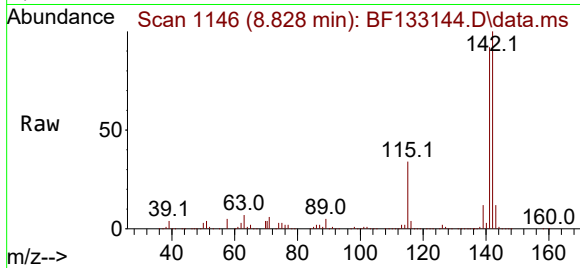




#38
1-Methylnaphthalene
Concen: 24.171 ng
RT: 8.828 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

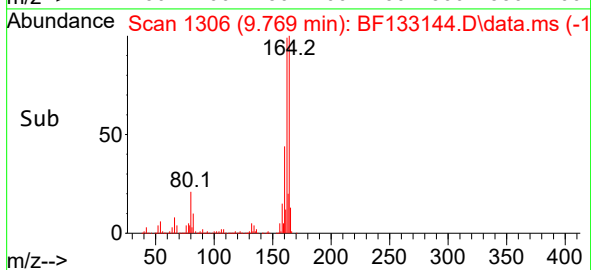
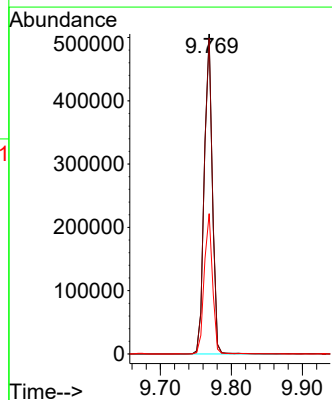
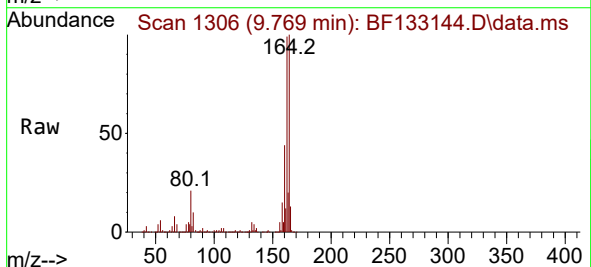
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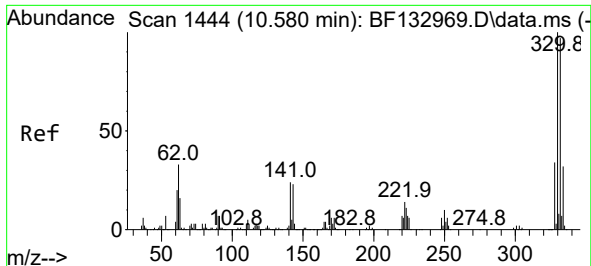
Tgt Ion:142 Resp: 620455
Ion Ratio Lower Upper
142 100
141 91.7 73.1 109.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

Tgt Ion:164 Resp: 400218
Ion Ratio Lower Upper
164 100
162 98.7 78.7 118.1
160 43.8 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 6.128 ng

RT: 10.551 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133144.D

Acq: 29 Apr 2023 03:12

Instrument :

BNA_F

ClientSampleId :

MW-14DL

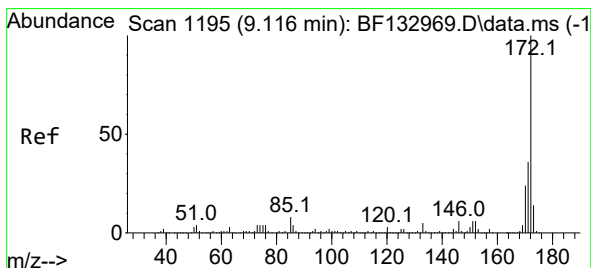
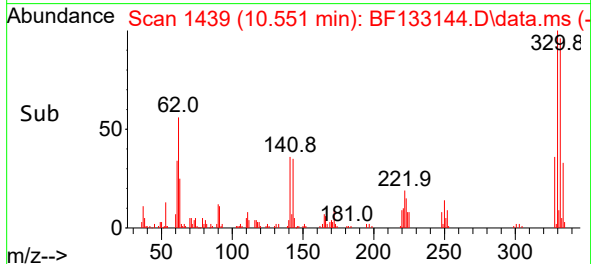
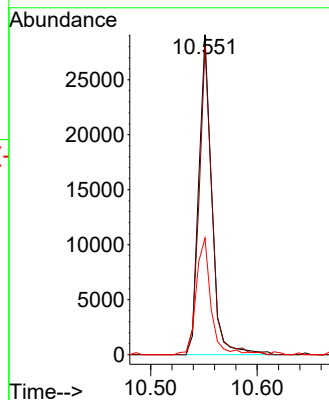
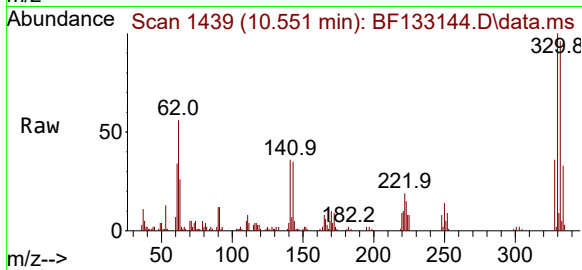
Tgt Ion:330 Resp: 24663

Ion Ratio Lower Upper

330 100

332 95.7 77.1 115.7

141 41.8 25.8 38.8#



#45

2-Fluorobiphenyl

Concen: 6.091 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133144.D

Acq: 29 Apr 2023 03:12

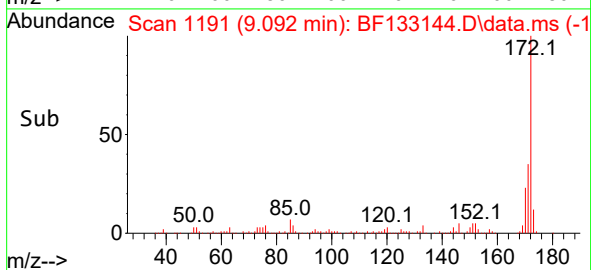
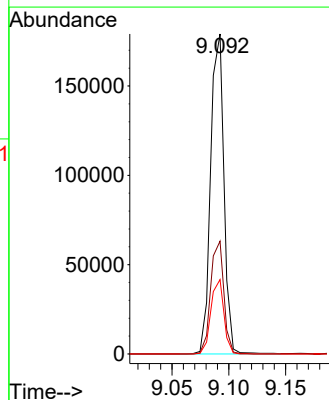
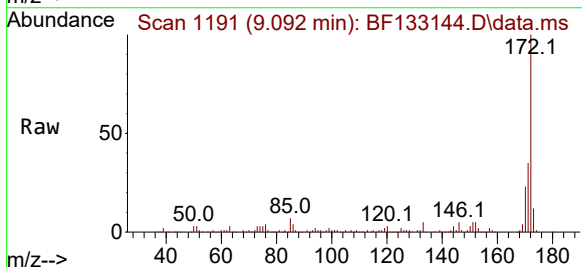
Tgt Ion:172 Resp: 145700

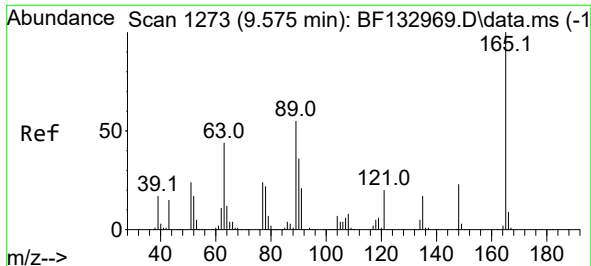
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.3 19.4 29.2

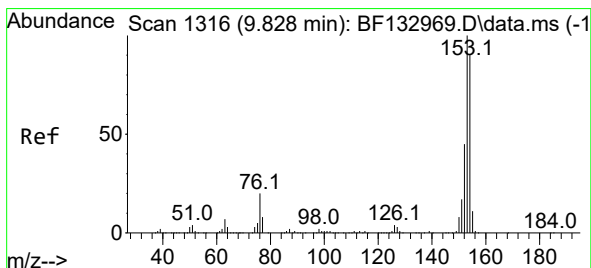
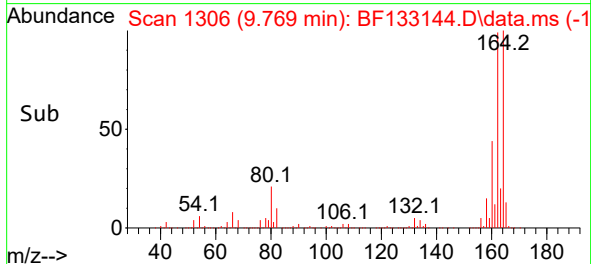
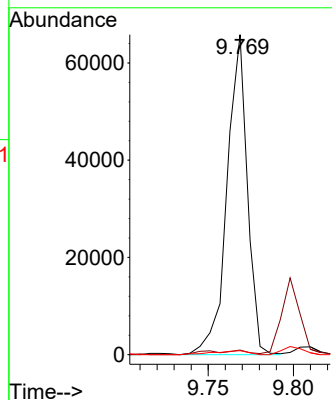
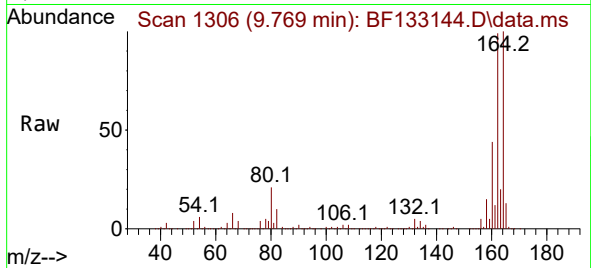




#51
2,6-Dinitrotoluene
Concen: 8.679 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

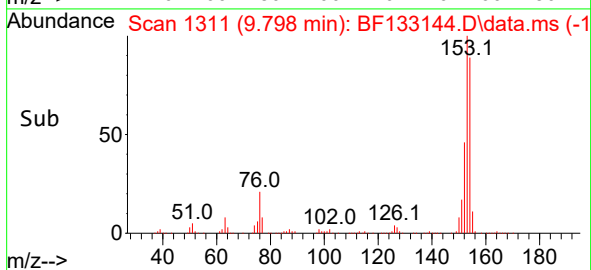
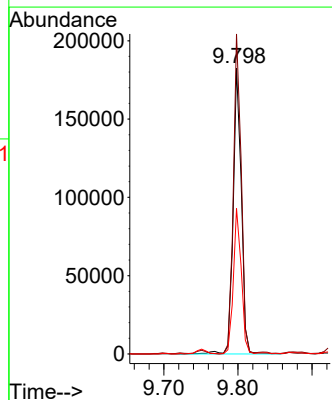
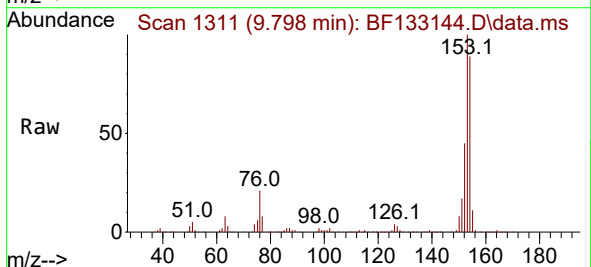
Instrument :
BNA_F
ClientSampleId :
MW-14DL

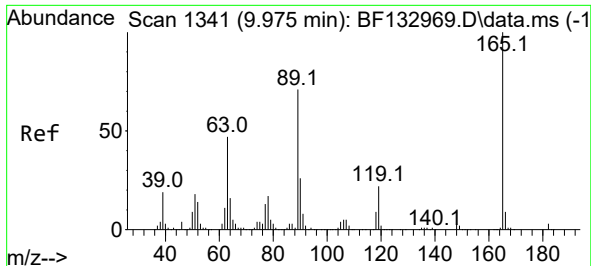
Tgt Ion:165 Resp: 54516
Ion Ratio Lower Upper
165 100
63 1.4 45.9 68.9#
89 1.2 44.0 66.0#



#52
Acenaphthene
Concen: 5.558 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

Tgt Ion:154 Resp: 138166
Ion Ratio Lower Upper
154 100
153 112.0 89.0 133.6
152 50.9 40.4 60.6

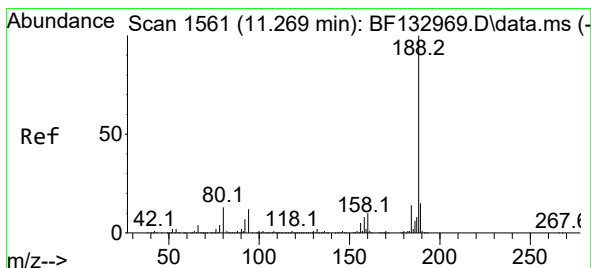
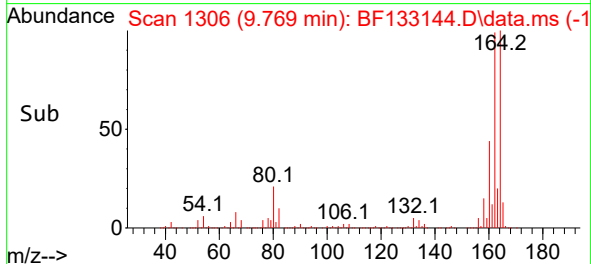
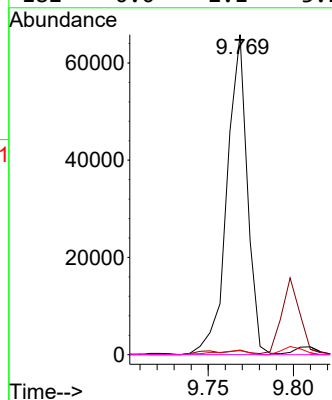
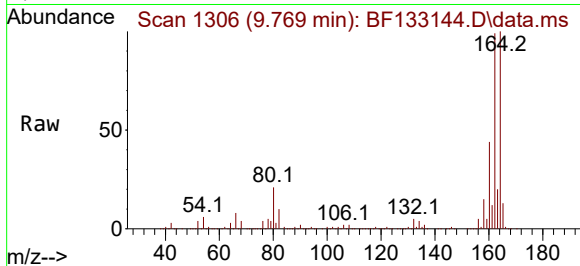




#57
2,4-Dinitrotoluene
Concen: 6.806 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

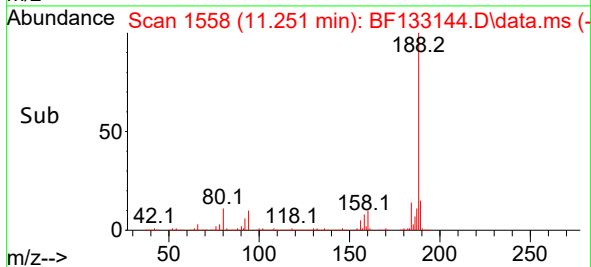
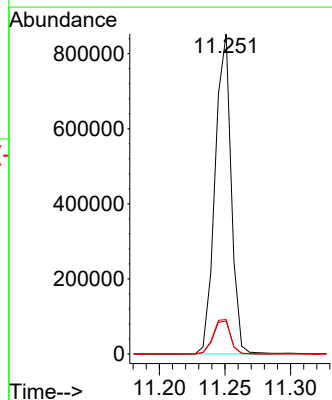
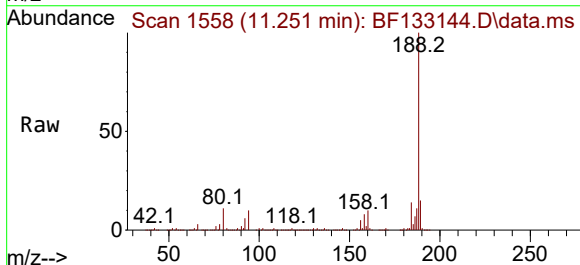
Instrument :
BNA_F
ClientSampleId :
MW-14DL

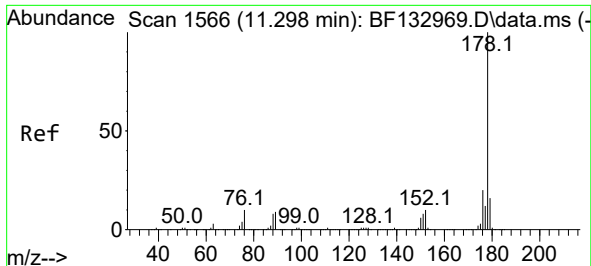
Tgt Ion:165 Resp: 54516
Ion Ratio Lower Upper
165 100
63 1.4 37.7 56.5#
89 1.2 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. 0.000 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

Tgt Ion:188 Resp: 727468
Ion Ratio Lower Upper
188 100
94 10.3 9.7 14.5
80 10.8 10.4 15.6

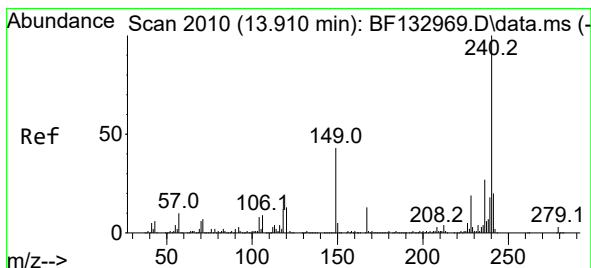
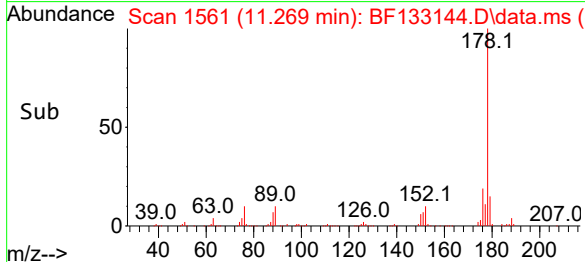
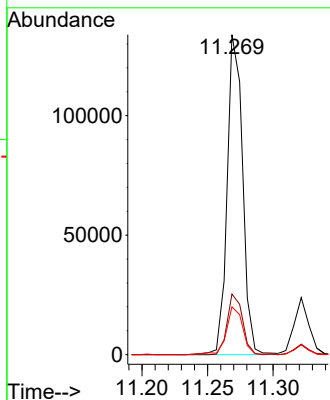
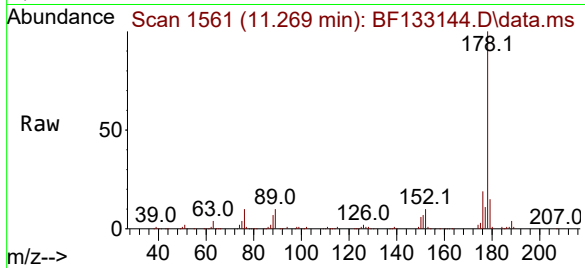




#71
Phenanthrene
Concen: 2.803 ng
RT: 11.269 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

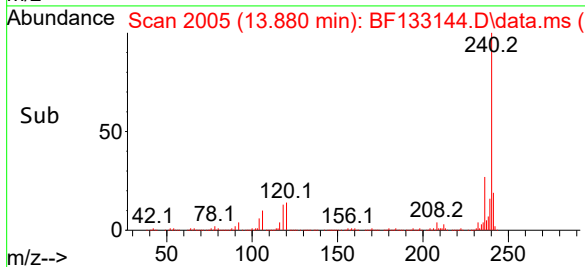
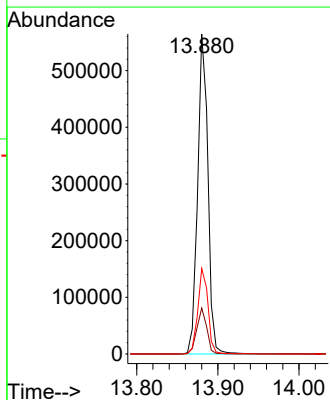
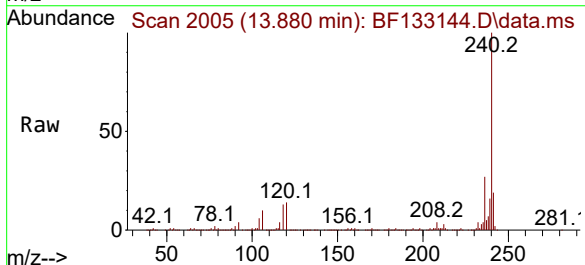
Instrument :
BNA_F
ClientSampleId :
MW-14DL

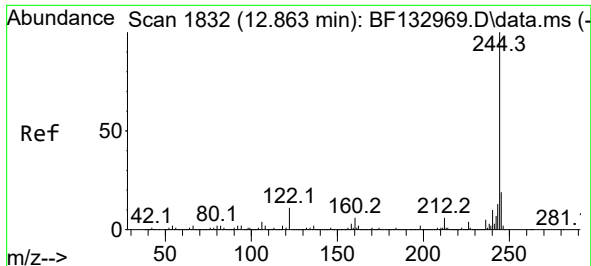
Tgt Ion:178 Resp: 109605
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 14.9 12.5 18.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF133144.D
Acq: 29 Apr 2023 03:12

Tgt Ion:240 Resp: 499117
Ion Ratio Lower Upper
240 100
120 14.4 10.5 15.7
236 26.7 21.5 32.3

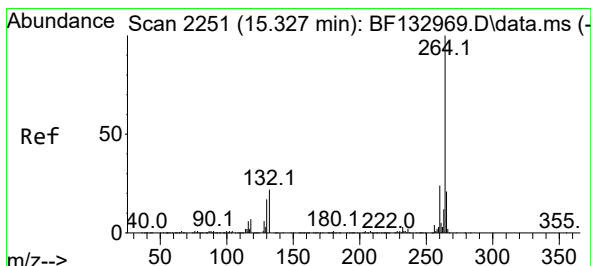
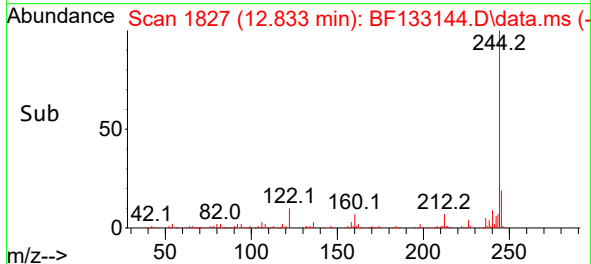
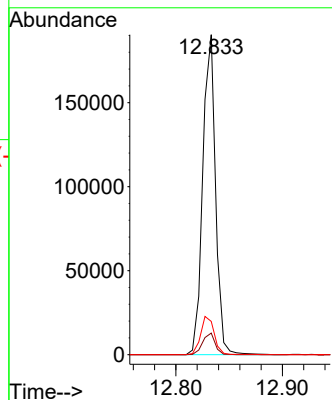
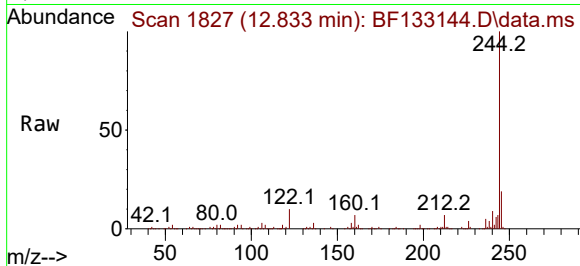




#79
 Terphenyl-d14
 Concen: 5.516 ng
 RT: 12.833 min Scan# 1827
 Delta R.T. -0.006 min
 Lab File: BF133144.D
 Acq: 29 Apr 2023 03:12

Instrument :
 BNA_F
 ClientSampleId :
 MW-14DL

Tgt Ion:244 Resp: 159621
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 10.4 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.304 min Scan# 2247
 Delta R.T. -0.006 min
 Lab File: BF133144.D
 Acq: 29 Apr 2023 03:12

Tgt Ion:264 Resp: 391839
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.8 28.2
 265 21.8 17.0 25.4

