

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133079.D
 Acq On : 26 Apr 2023 22:34
 Operator : CG\JU
 Sample : 02427-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20230351-COMP-29

Quant Time: Apr 27 02:03:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

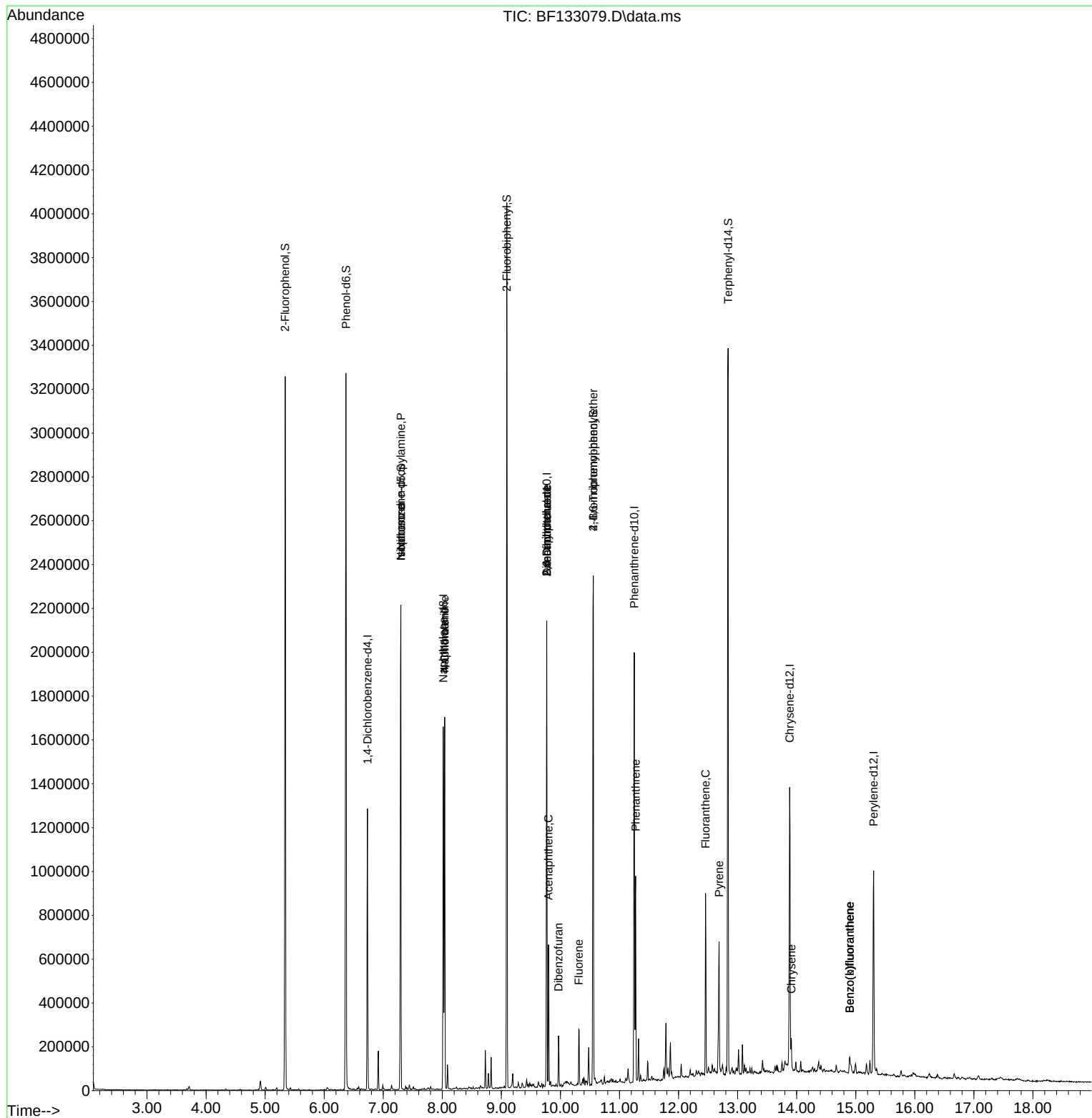
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	170466	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	686047	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	367270	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	669501	20.000	ng	0.00
76) Chrysene-d12	13.880	240	391270	20.000	ng	-0.01
86) Perylene-d12	15.304	264	378366	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.339	112	929536	82.372	ng	0.00
7) Phenol-d6	6.369	99	1145131	81.757	ng	-0.01
23) Nitrobenzene-d5	7.298	82	649838	51.128	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	283457	76.743	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1120662	51.049	ng	0.00
79) Terphenyl-d14	12.839	244	1168706	51.515	ng	0.00
Target Compounds						
9) Benzaldehyde	6.275	77	521	Below Cal		Qvalue 84
19) n-Nitroso-di-n-propyla...	7.298	70	85336	9.786 ng	#	77
25) Isophorone	7.298	82	648729	26.883 ng	#	63
31) Naphthalene	8.039	128	599528	17.479 ng		100
33) 4-Chloroaniline	8.039	127	77730	5.609 ng	#	33
50) Dimethylphthalate	9.769	163	76213	2.976 ng	#	1
51) 2,6-Dinitrotoluene	9.769	165	50025	8.679 ng	#	25
52) Acenaphthene	9.798	154	126649	5.552 ng		98
55) Dibenzofuran	9.969	168	75736	2.434 ng		98
57) 2,4-Dinitrotoluene	9.769	165	50025	6.806 ng	#	23
58) Fluorene	10.310	166	69238	3.037 ng		100
67) 4-Bromophenyl-phenylether	10.557	248	18379	2.531 ng	#	1
71) Phenanthrene	11.274	178	329355	9.153 ng		99
75) Fluoranthene	12.457	202	289848	8.026 ng		97
78) Pyrene	12.686	202	229654	6.847 ng		100
83) Chrysene	13.910	228	55659	2.069 ng		97
88) Benzo(b)fluoranthene	14.898	252	51252	2.129 ng	#	91
89) Benzo(k)fluoranthene	14.898	252	51252	2.148 ng	#	91

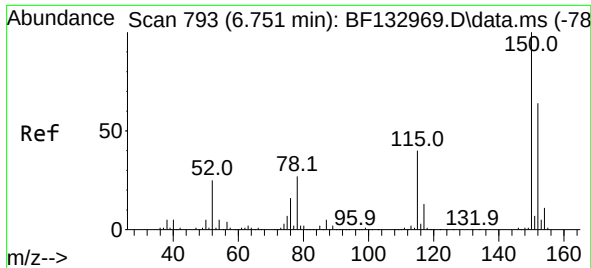
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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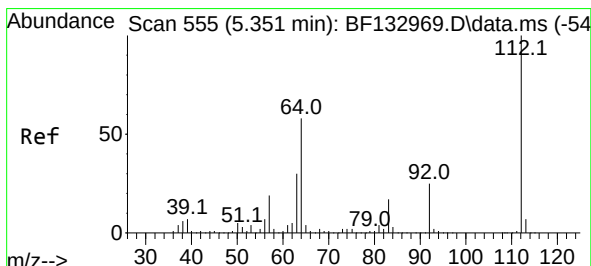
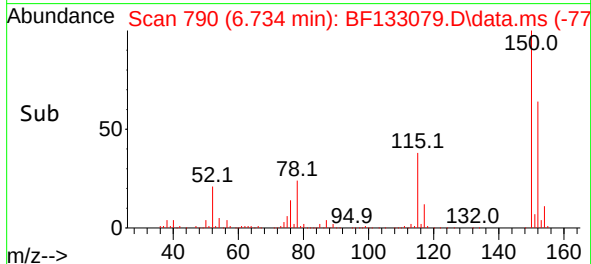
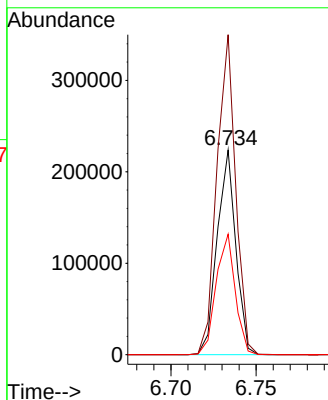
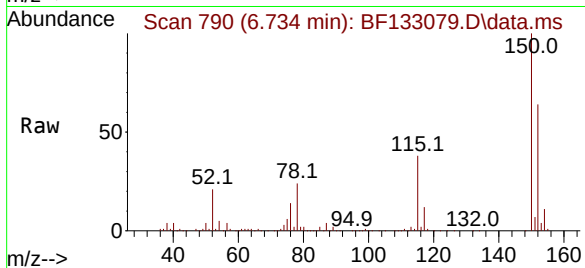




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

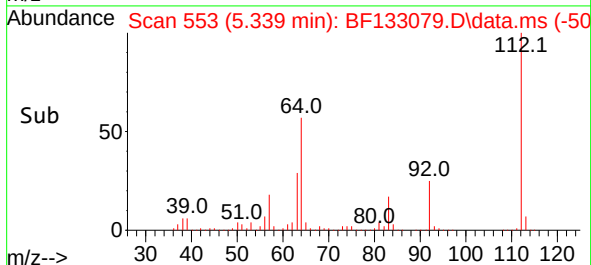
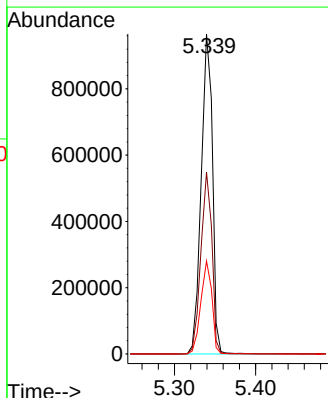
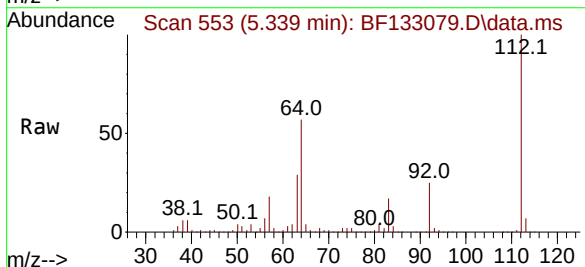
Instrument :
BNA_F
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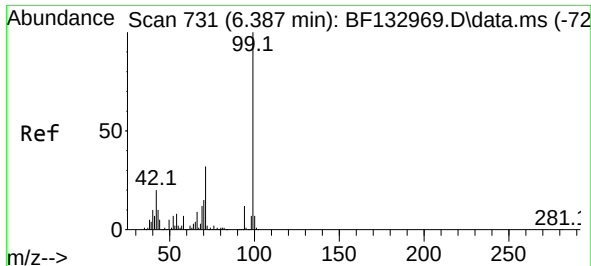
Tgt Ion:152 Resp: 170466
Ion Ratio Lower Upper
152 100
150 156.3 124.8 187.2
115 58.9 49.9 74.9



#5
2-Fluorophenol
Concen: 82.372 ng
RT: 5.339 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

Tgt Ion:112 Resp: 929536
Ion Ratio Lower Upper
112 100
64 56.9 46.8 70.2
63 29.1 23.8 35.8

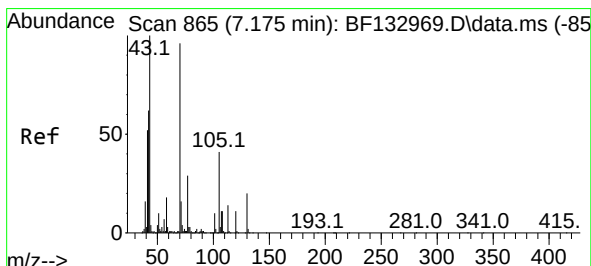
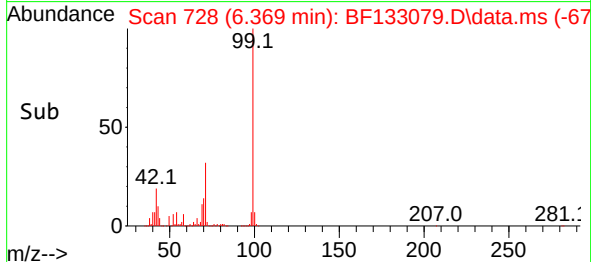
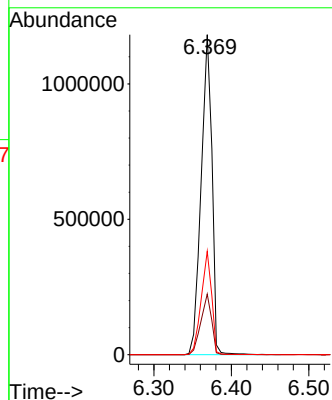
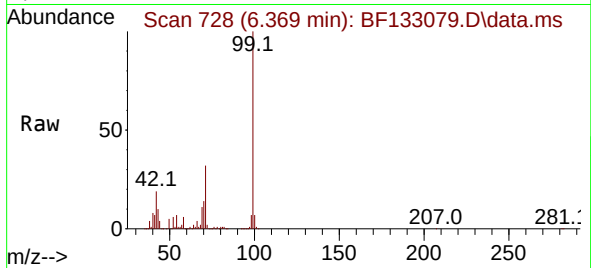




#7
Phenol-d6
Concen: 81.757 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

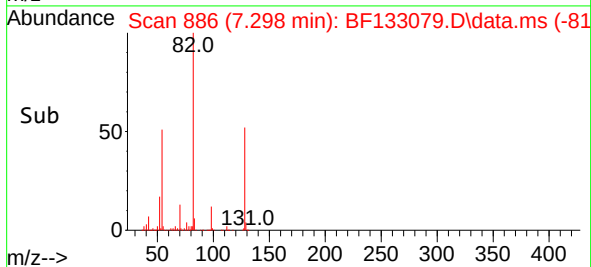
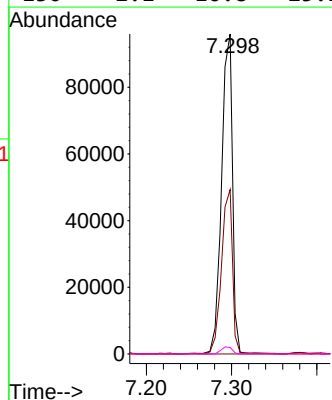
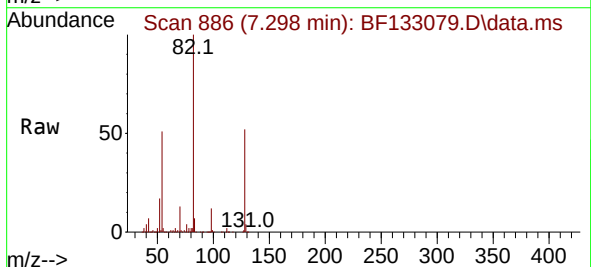
Instrument :
BNA_F
ClientSampleId :
20230351-COMP-29

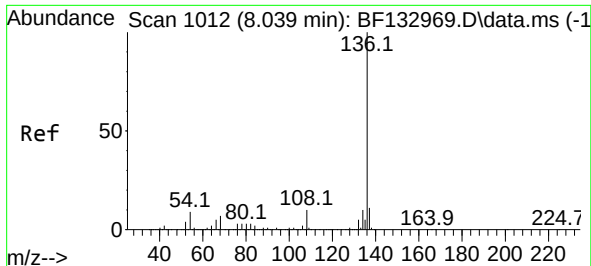
Tgt Ion: 99 Resp: 1145131
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 32.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.786 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.141 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

Tgt Ion: 70 Resp: 85336
Ion Ratio Lower Upper
70 100
42 51.4 51.8 77.6#
101 0.0 8.0 12.0#
130 2.1 16.8 25.2#

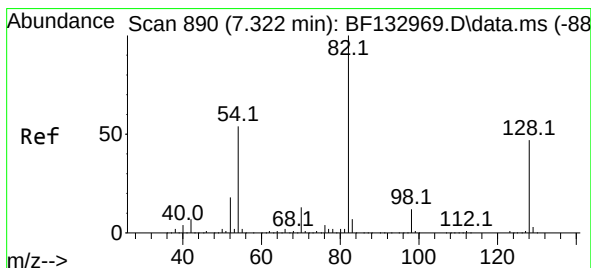
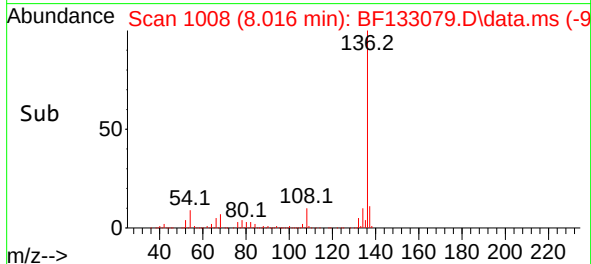
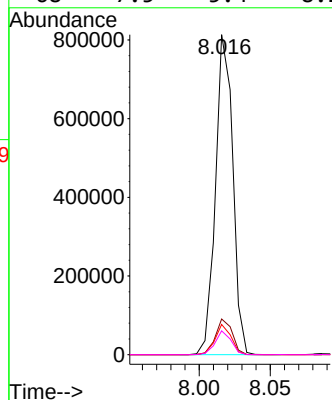
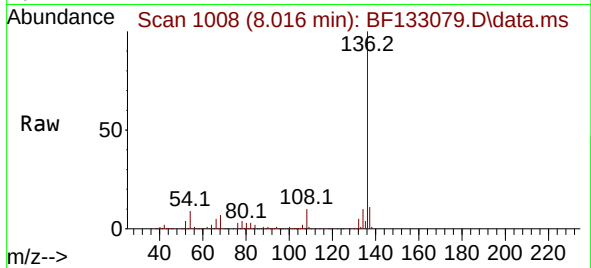




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

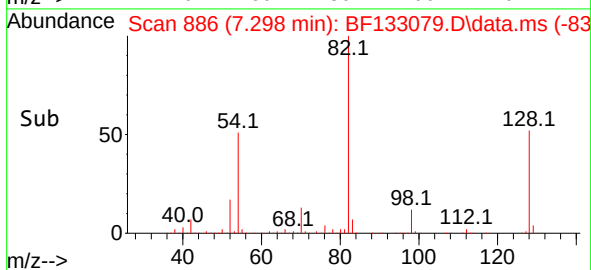
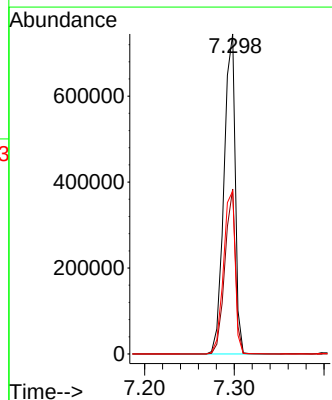
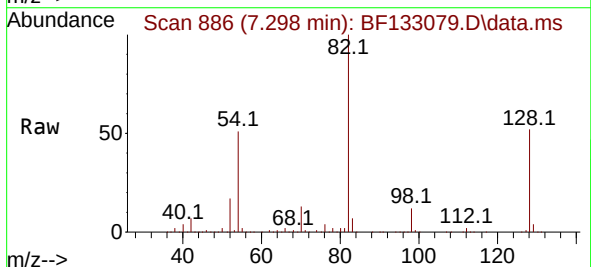
Instrument :
BNA_F
ClientSampleId :
20230351-COMP-29

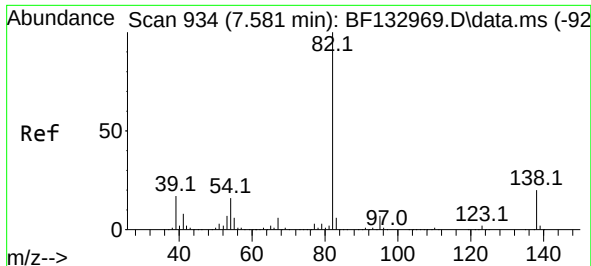
Tgt Ion:136	Resp: 686047		
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	9.5	7.0	10.4
68	7.5	5.4	8.2



#23
Nitrobenzene-d5
Concen: 51.128 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

Tgt Ion: 82	Resp: 649838
Ion Ratio	Lower Upper
82 100	
128 51.5	37.7 56.5
54 50.9	43.0 64.4

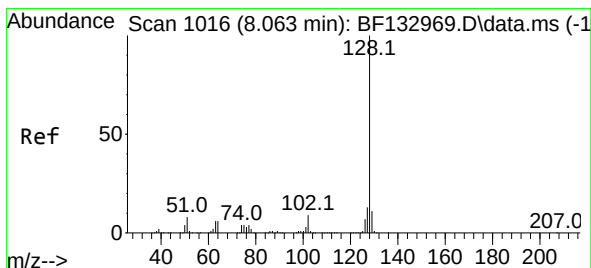
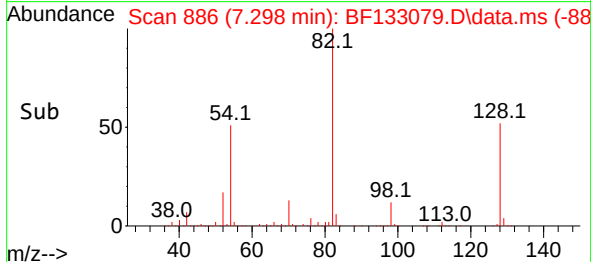
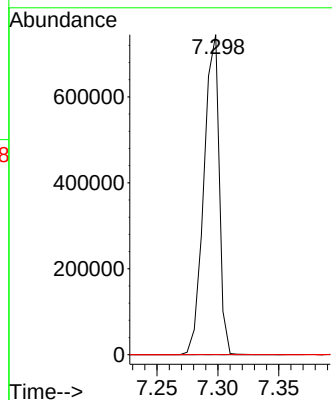
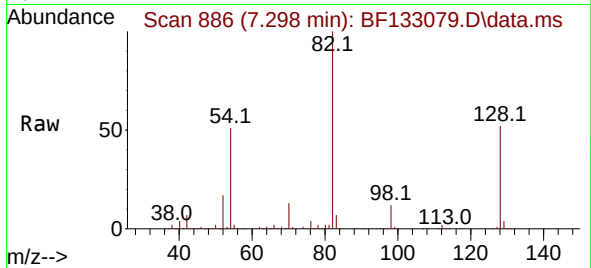




#25
Isophorone
Concen: 26.883 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

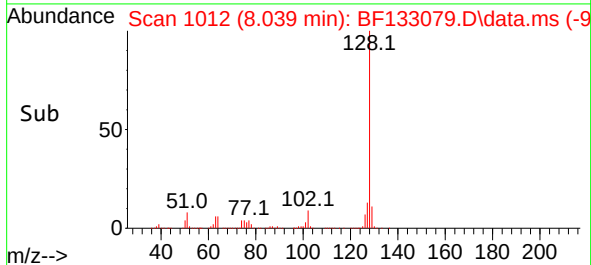
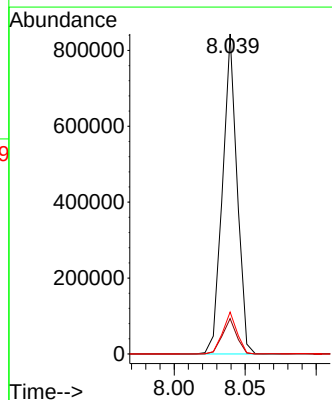
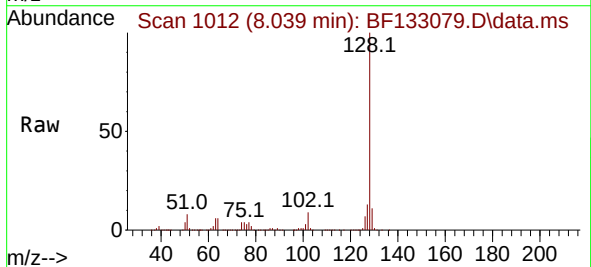
Instrument :
BNA_F
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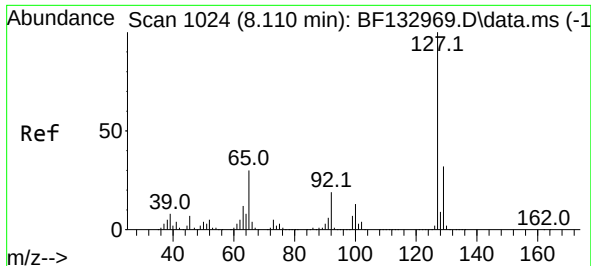
Tgt Ion: 82 Resp: 648729
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#31
Naphthalene
Concen: 17.479 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

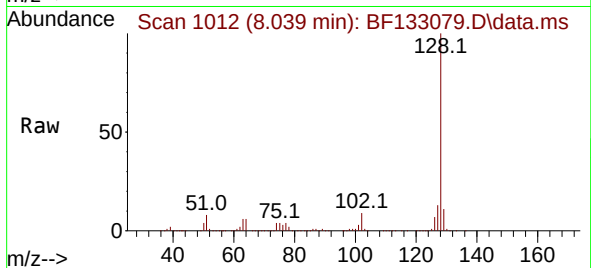
Tgt Ion:128 Resp: 599528
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.1 10.7 16.1



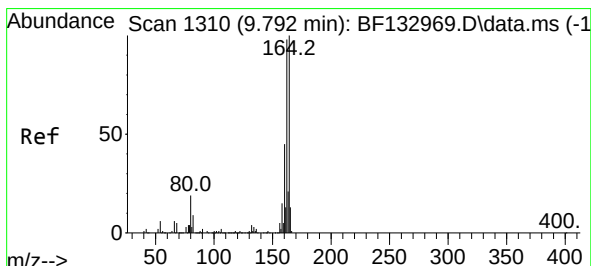
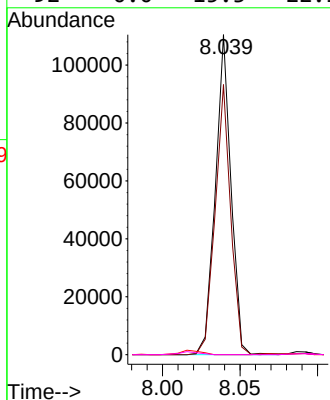
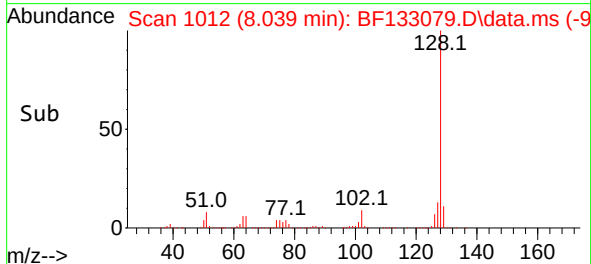


#33
4-Chloroaniline
Concen: 5.609 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.053 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

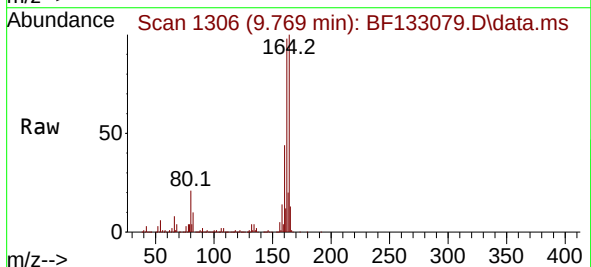
Instrument :
BNA_F
ClientSampleId :
20230351-COMP-29



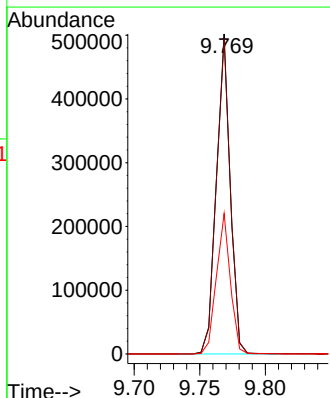
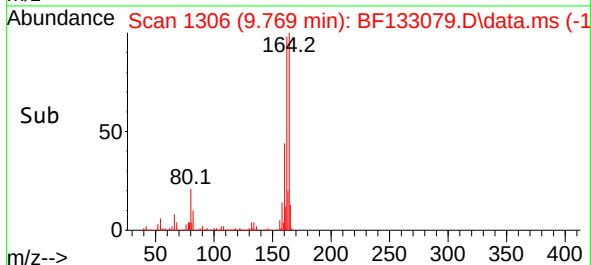
Tgt Ion:	127	Resp:	77730
Ion	Ratio	Lower	Upper
127	100		
129	84.4	25.8	38.8#
65	0.0	23.6	35.4#
92	0.0	15.3	22.9#

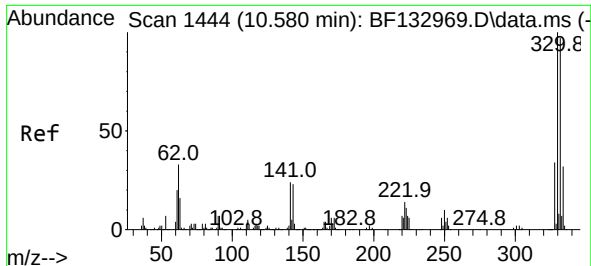


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34



Tgt Ion:	164	Resp:	367270
Ion	Ratio	Lower	Upper
164	100		
162	98.5	78.7	118.1
160	43.9	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 76.743 ng

RT: 10.557 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133079.D

Acq: 26 Apr 2023 22:34

Instrument :

BNA_F

ClientSampleId :

20230351-COMP-29

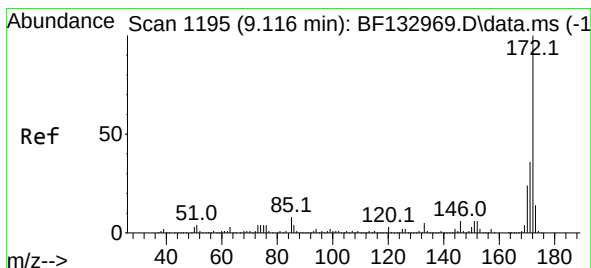
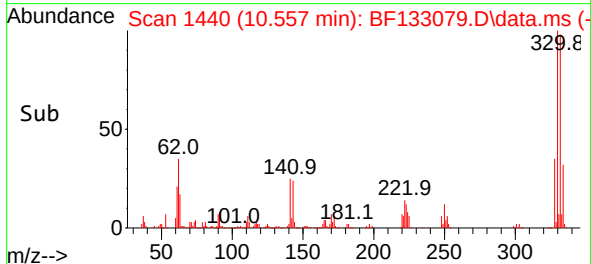
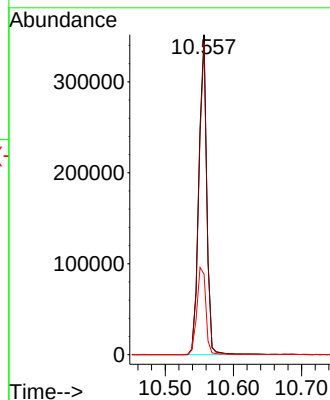
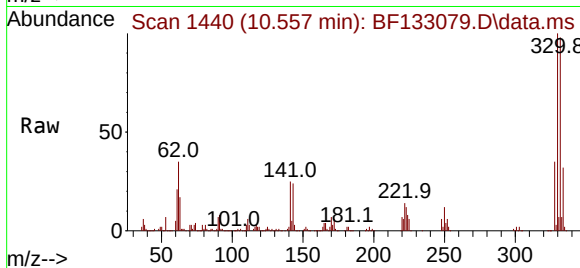
Tgt Ion:330 Resp: 283457

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 30.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 51.049 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133079.D

Acq: 26 Apr 2023 22:34

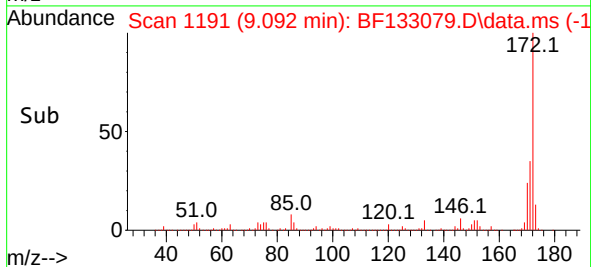
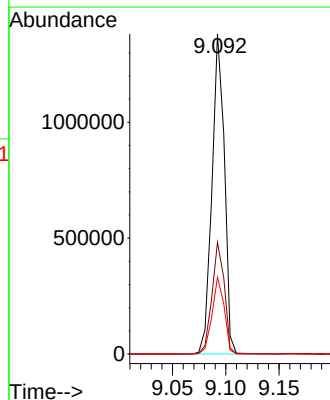
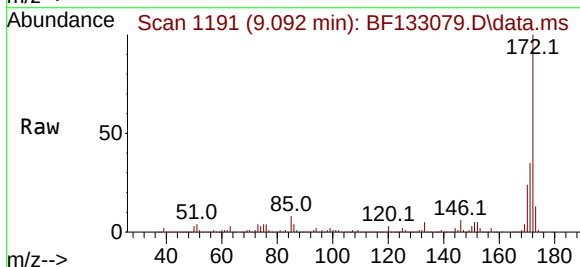
Tgt Ion:172 Resp: 1120662

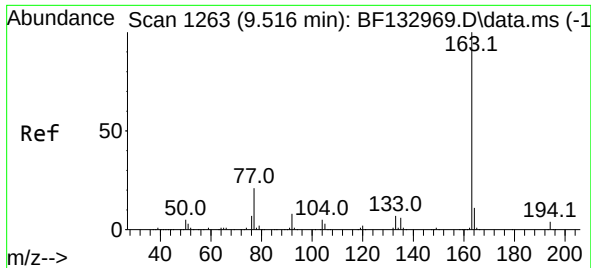
Ion Ratio Lower Upper

172 100

171 34.9 28.8 43.2

170 24.0 19.4 29.2

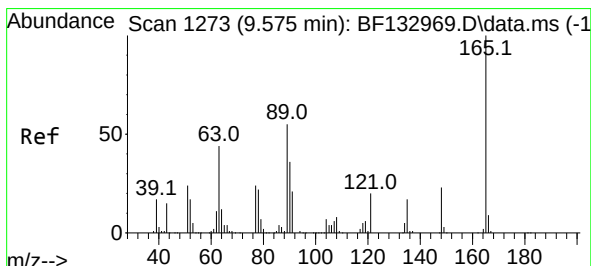
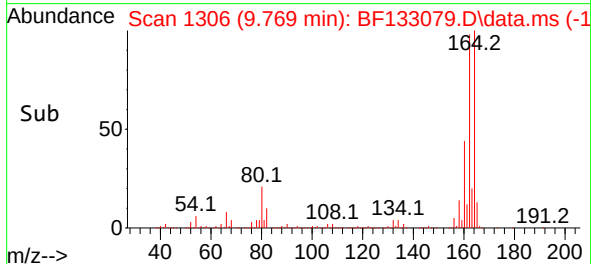
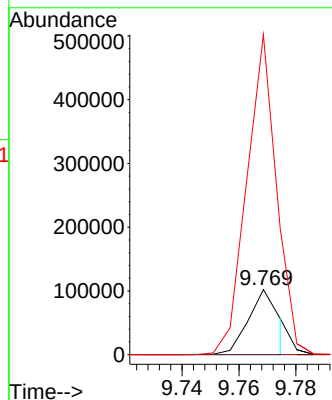
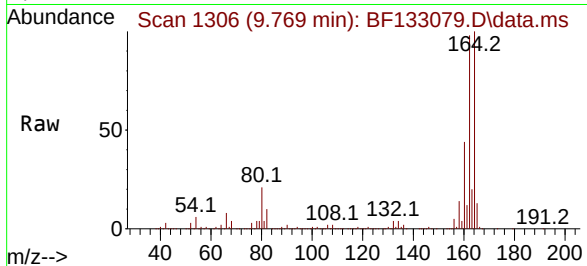




#50
Dimethylphthalate
Concen: 2.976 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

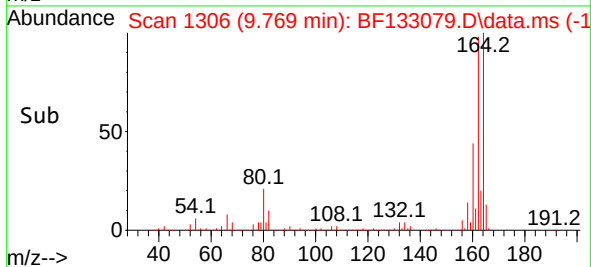
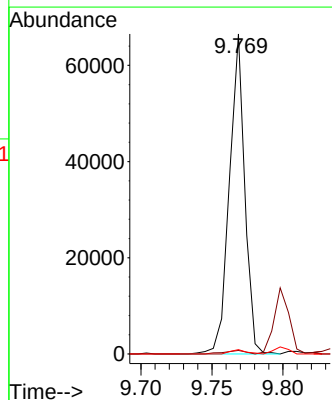
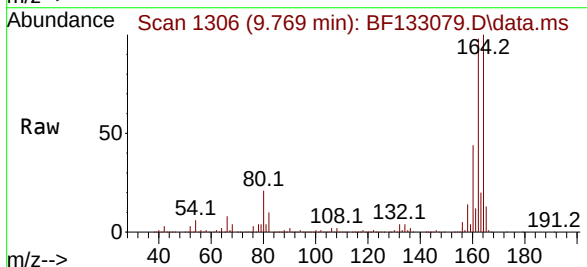
Instrument :
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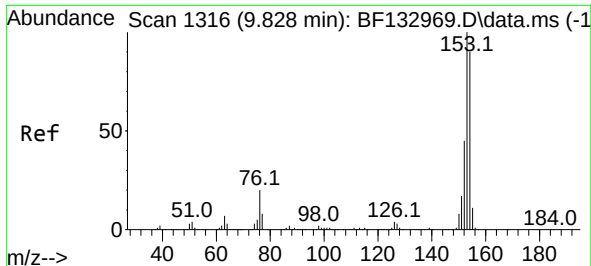
Tgt Ion:163 Resp: 76213
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 491.4 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.679 ng
RT: 9.769 min Scan# 1306
Delta R.T. 0.212 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

Tgt Ion:165 Resp: 50025
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.3 44.0 66.0#

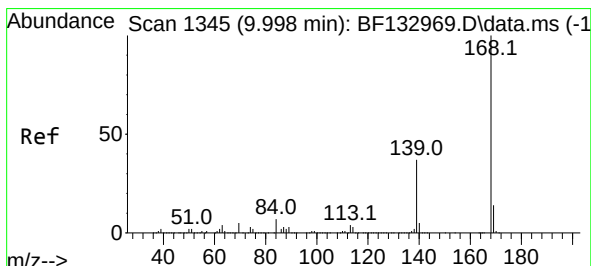
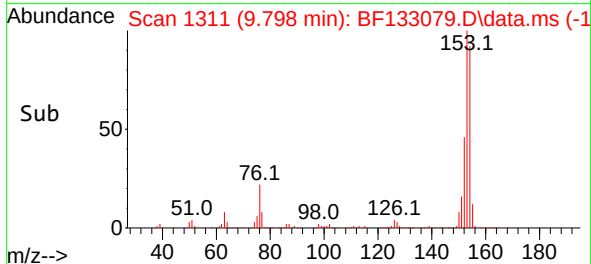
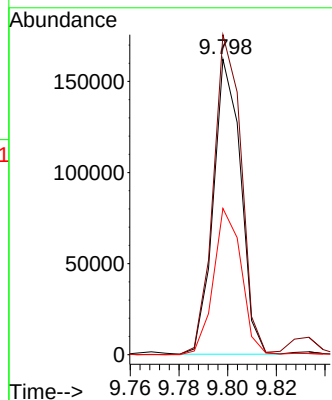
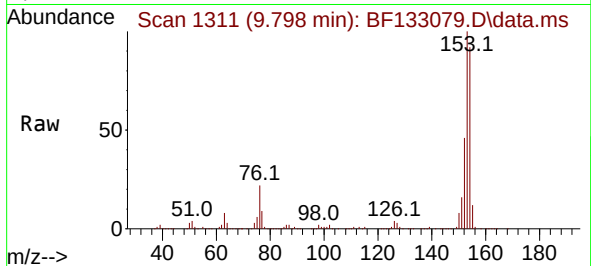




#52
Acenaphthene
Concen: 5.552 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

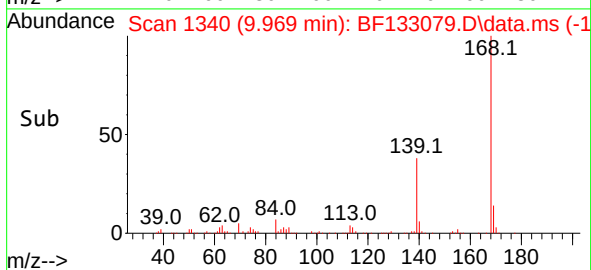
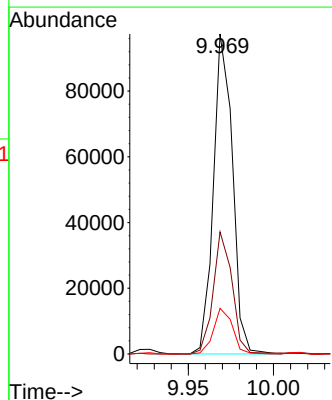
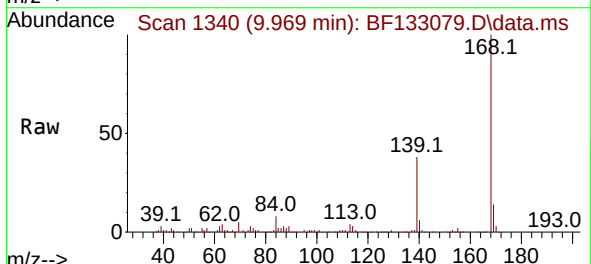
Instrument :
BNA_F
ClientSampleId :
20230351-COMP-29

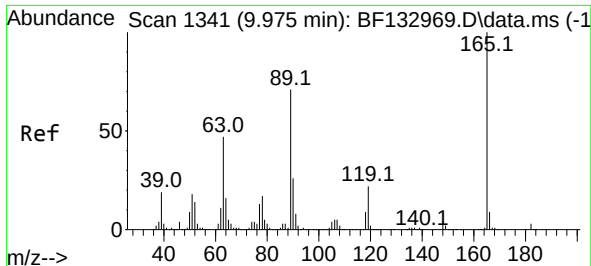
Tgt Ion:154 Resp: 126649
Ion Ratio Lower Upper
154 100
153 108.3 89.0 133.6
152 49.5 40.4 60.6



#55
Dibenzofuran
Concen: 2.434 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

Tgt Ion:168 Resp: 75736
Ion Ratio Lower Upper
168 100
139 38.2 29.8 44.8
169 14.2 10.8 16.2





#57

2,4-Dinitrotoluene

Concen: 6.806 ng

RT: 9.769 min Scan# 11

Delta R.T. -0.194 min

Lab File: BF133079.D

Acq: 26 Apr 2023 22:34

Instrument :

BNA_F

ClientSampleId :

20230351-COMP-29

Tgt Ion:165 Resp: 50025

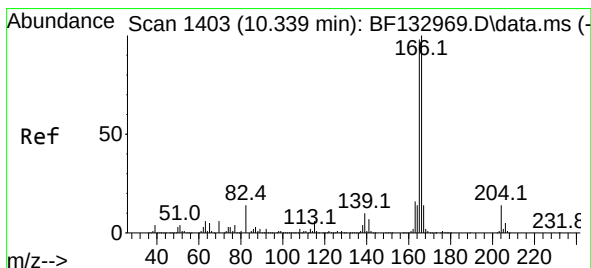
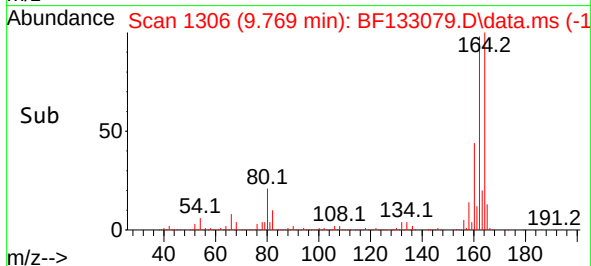
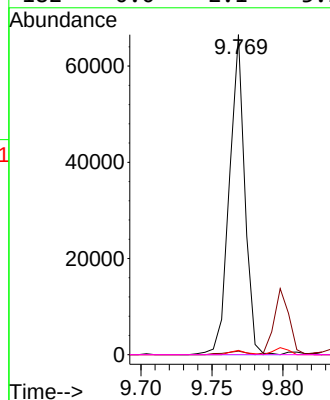
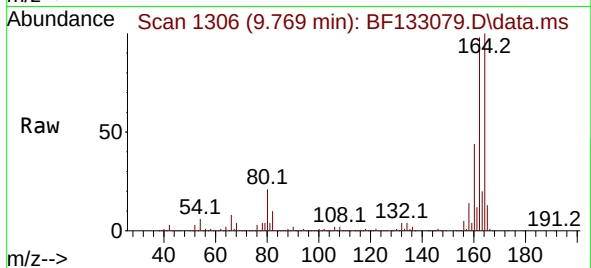
Ion Ratio Lower Upper

165 100

63 1.1 37.7 56.5#

89 1.3 57.0 85.4#

182 0.0 2.1 3.1#



#58

Fluorene

Concen: 3.037 ng

RT: 10.310 min Scan# 1398

Delta R.T. -0.012 min

Lab File: BF133079.D

Acq: 26 Apr 2023 22:34

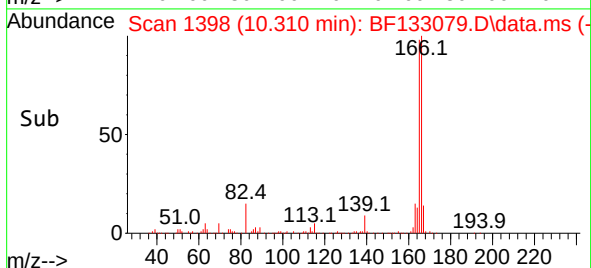
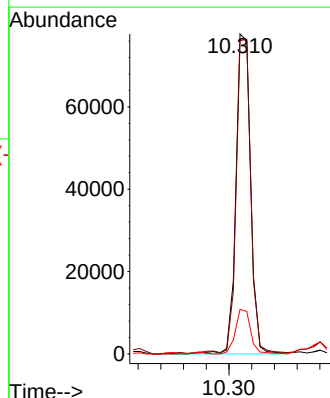
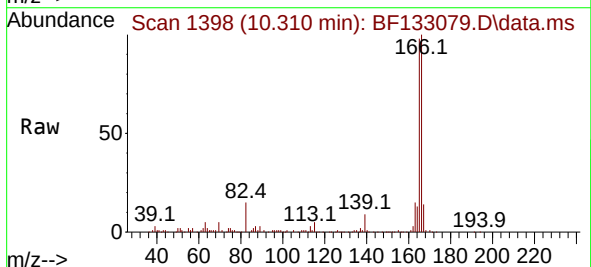
Tgt Ion:166 Resp: 69238

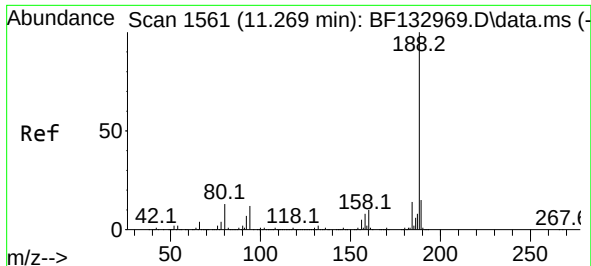
Ion Ratio Lower Upper

166 100

165 97.9 78.6 117.8

167 13.9 11.0 16.4

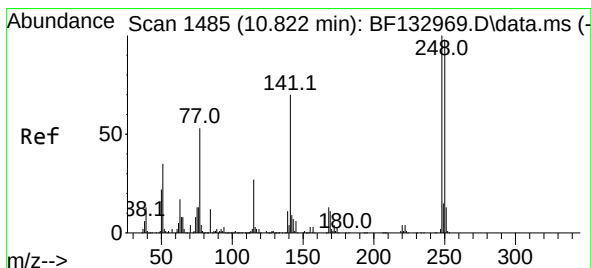
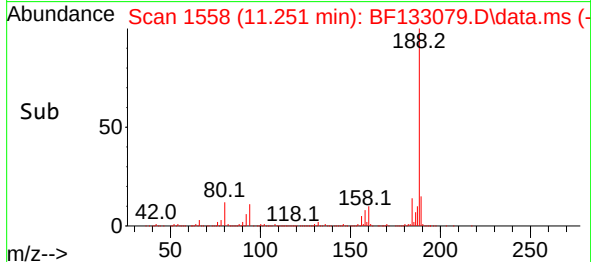
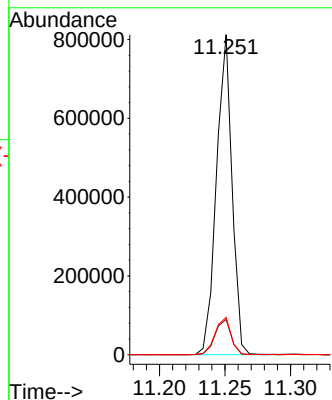
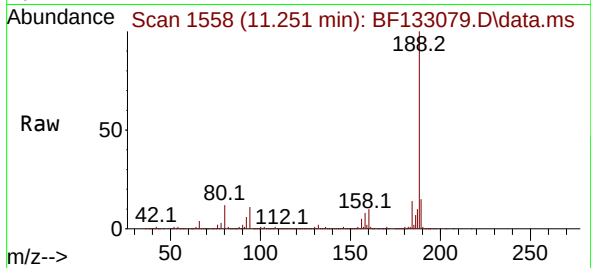




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

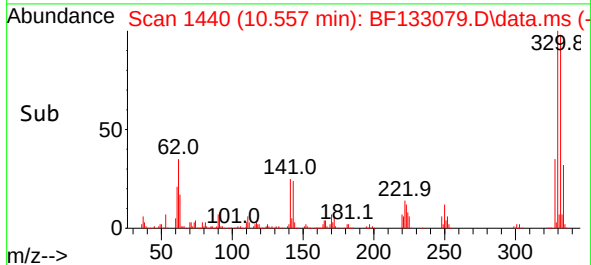
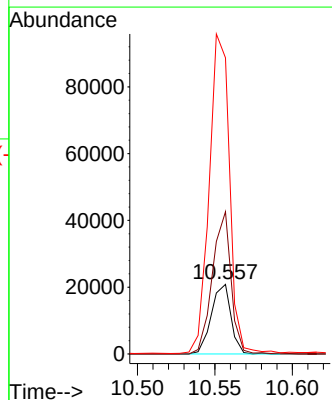
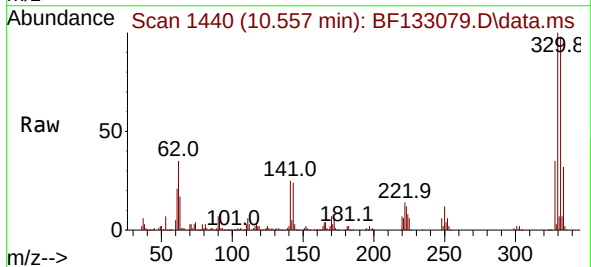
Instrument :
BNA_F
ClientSampleId :
20230351-COMP-29

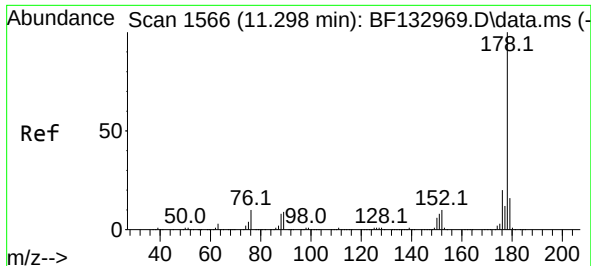
Tgt Ion:188 Resp: 669501
Ion Ratio Lower Upper
188 100
94 11.0 9.7 14.5
80 11.7 10.4 15.6



#67
4-Bromophenyl-phenylether
Concen: 2.531 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.247 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

Tgt Ion:248 Resp: 18379
Ion Ratio Lower Upper
248 100
250 204.4 78.7 118.1#
141 425.2 56.3 84.5#

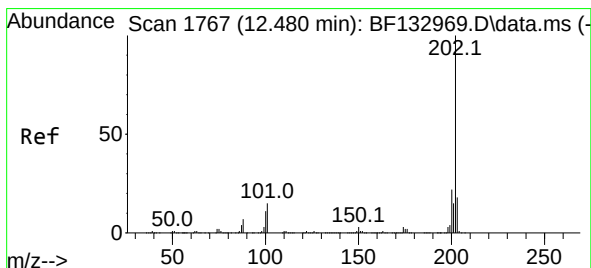
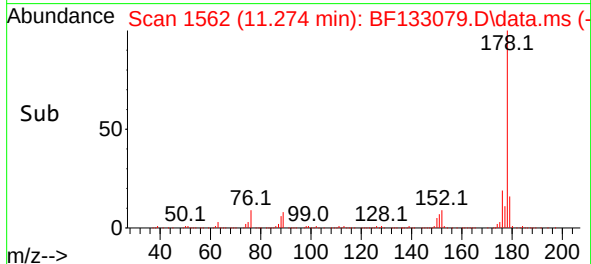
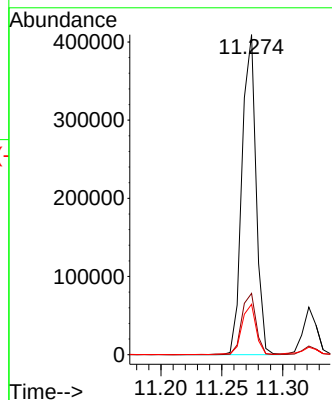
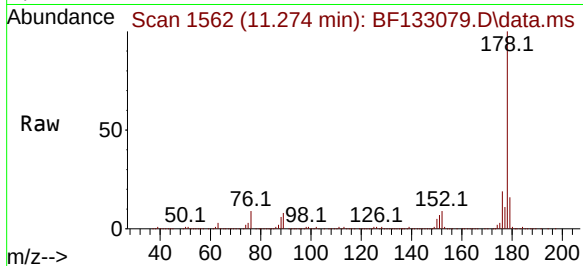




#71
Phenanthrene
Concen: 9.153 ng
RT: 11.274 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

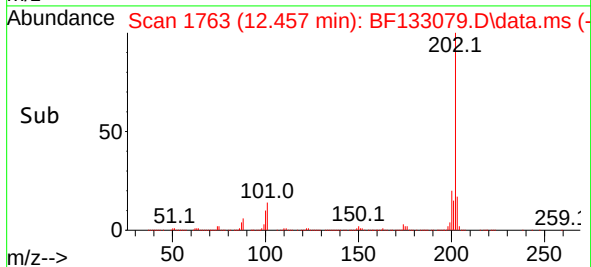
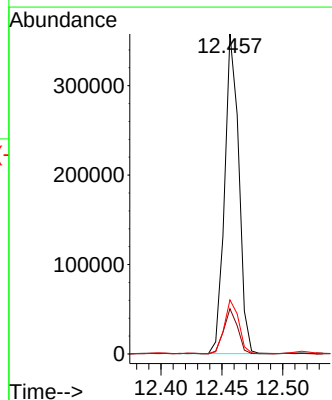
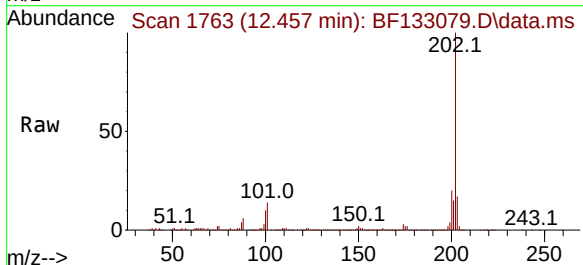
Instrument :
BNA_F
ClientSampleId :
20230351-COMP-29

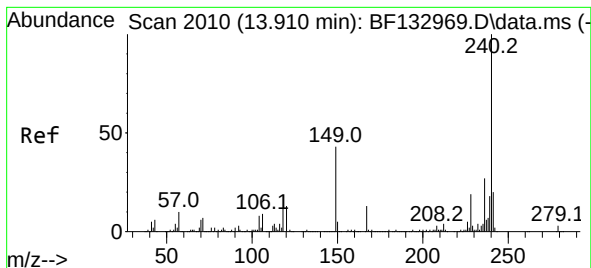
Tgt Ion:178 Resp: 329355
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 15.7 12.5 18.7



#75
Fluoranthene
Concen: 8.026 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF133079.D
Acq: 26 Apr 2023 22:34

Tgt Ion:202 Resp: 289848
Ion Ratio Lower Upper
202 100
101 14.2 0.0 35.3
203 16.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF133079.D

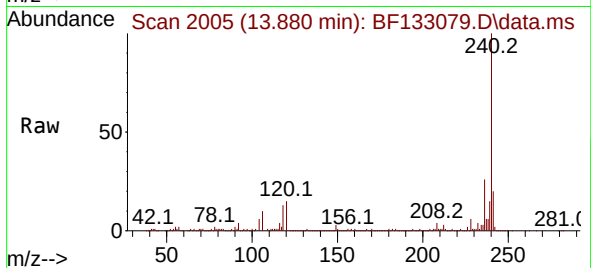
Acq: 26 Apr 2023 22:34

Instrument :

BNA_F

ClientSampleId :

20230351-COMP-29



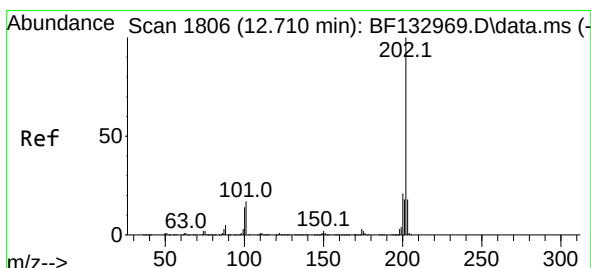
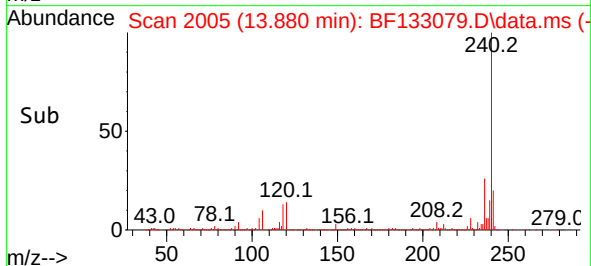
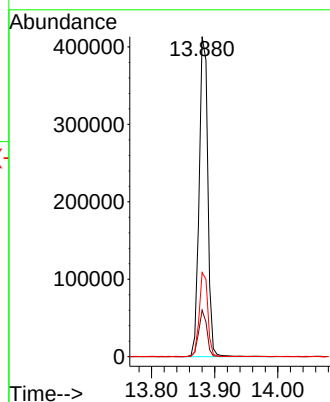
Tgt Ion:240 Resp: 391270

Ion Ratio Lower Upper

240 100

120 14.5 10.5 15.7

236 26.3 21.5 32.3



#78

Pyrene

Concen: 6.847 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133079.D

Acq: 26 Apr 2023 22:34

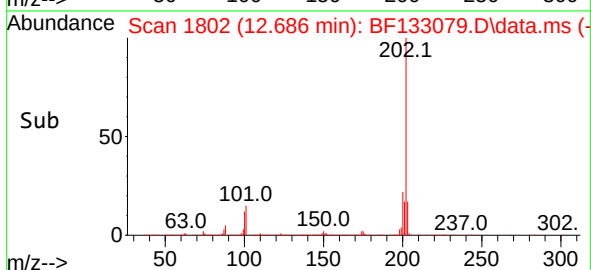
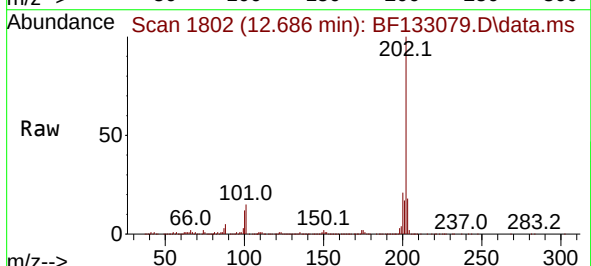
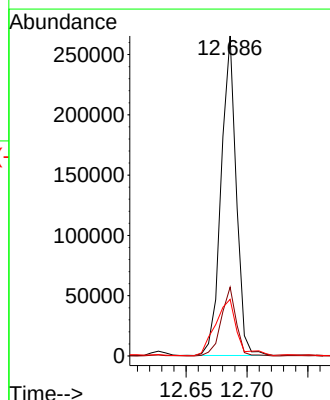
Tgt Ion:202 Resp: 229654

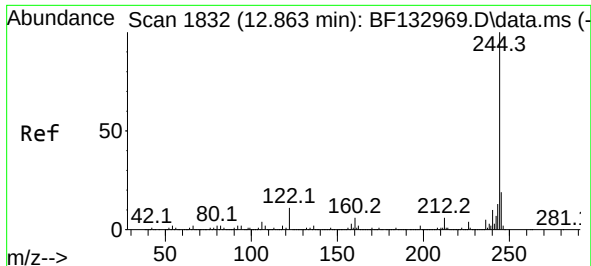
Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

203 17.7 14.1 21.1

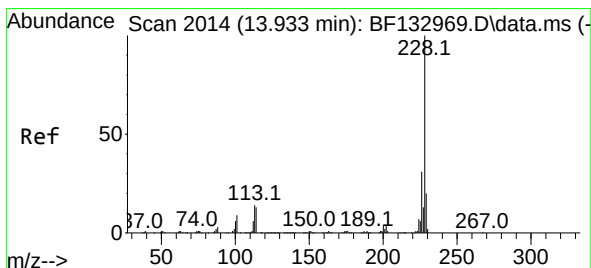
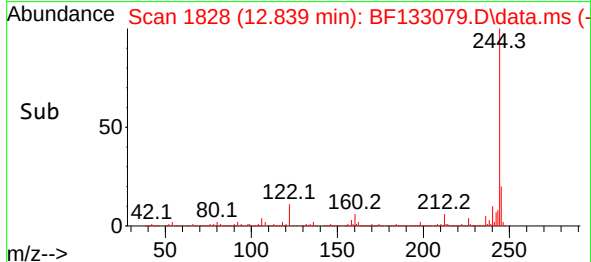
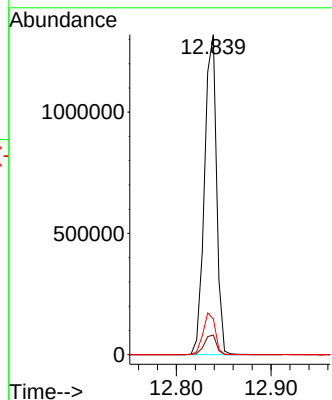
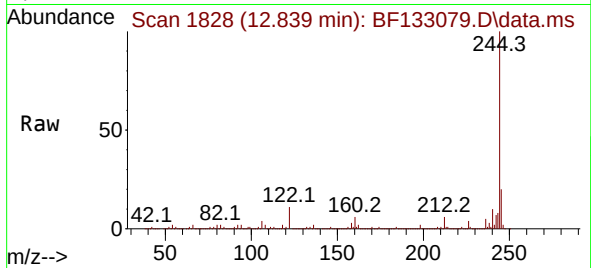




#79
 Terphenyl-d14
 Concen: 51.515 ng
 RT: 12.839 min Scan# 1828
 Delta R.T. 0.000 min
 Lab File: BF133079.D
 Acq: 26 Apr 2023 22:34

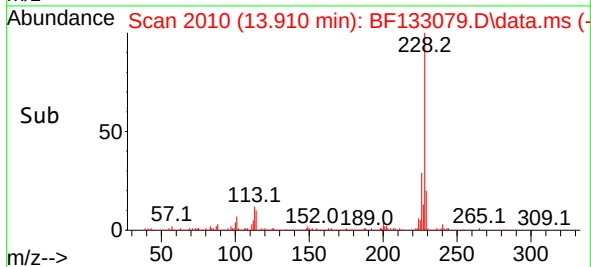
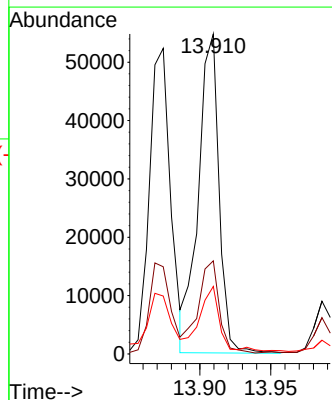
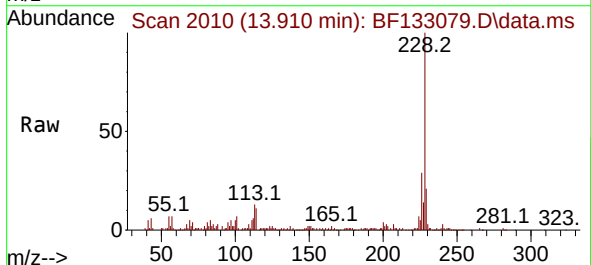
Instrument :
 BNA_F
 ClientSampleId :
 20230351-COMP-29

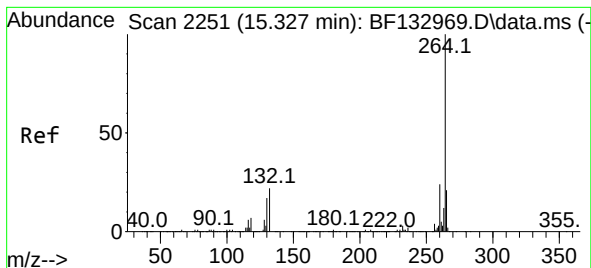
Tgt Ion:244 Resp: 1168706
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.1 7.7
 122 11.2 8.6 13.0



#83
 Chrysene
 Concen: 2.069 ng
 RT: 13.910 min Scan# 2010
 Delta R.T. -0.006 min
 Lab File: BF133079.D
 Acq: 26 Apr 2023 22:34

Tgt Ion:228 Resp: 55659
 Ion Ratio Lower Upper
 228 100
 226 29.1 24.7 37.1
 229 21.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133079.D

Acq: 26 Apr 2023 22:34

Instrument :

BNA_F

ClientSampleId :

20230351-COMP-29

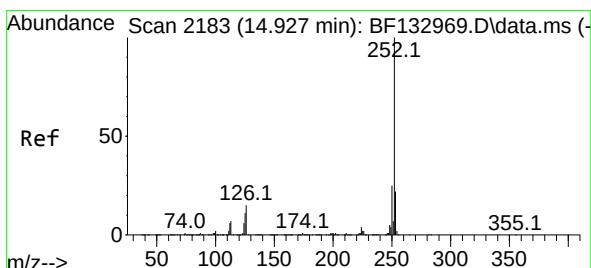
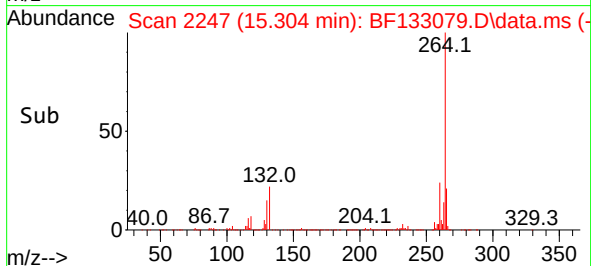
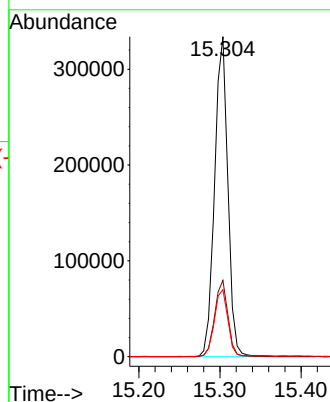
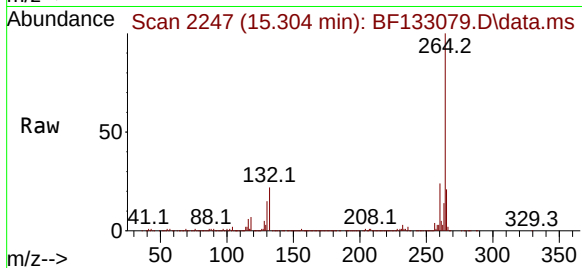
Tgt Ion:264 Resp: 378366

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 20.9 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.129 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133079.D

Acq: 26 Apr 2023 22:34

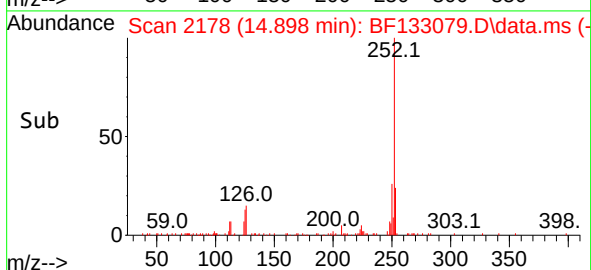
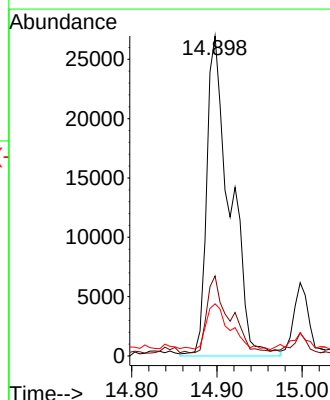
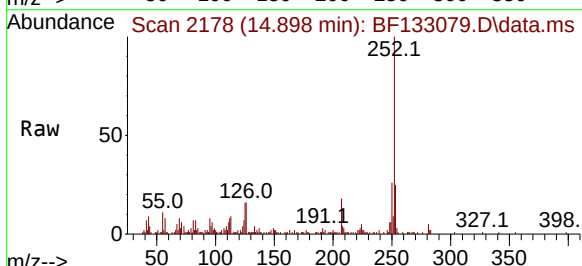
Tgt Ion:252 Resp: 51252

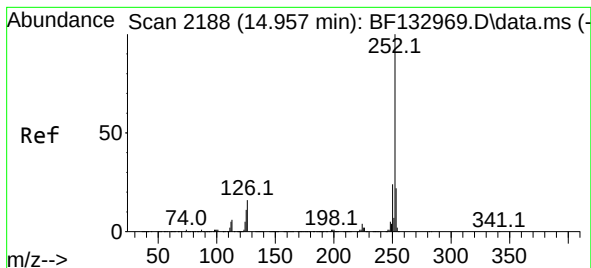
Ion Ratio Lower Upper

252 100

253 25.0 17.6 26.4

125 16.3 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 2.148 ng

RT: 14.898 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF133079.D

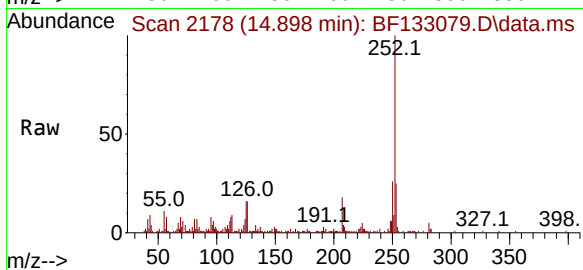
Acq: 26 Apr 2023 22:34

Instrument :

BNA_F

ClientSampleId :

20230351-COMP-29



Tgt Ion:252 Resp: 51252

Ion Ratio Lower Upper

252 100

253 25.0 17.7 26.5

125 16.3 9.0 13.4#

