

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131167.D
 Acq On : 11 Nov 2022 22:38
 Operator : CG\JU
 Sample : N5556-04 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RM-4

Quant Time: Nov 12 00:07:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

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

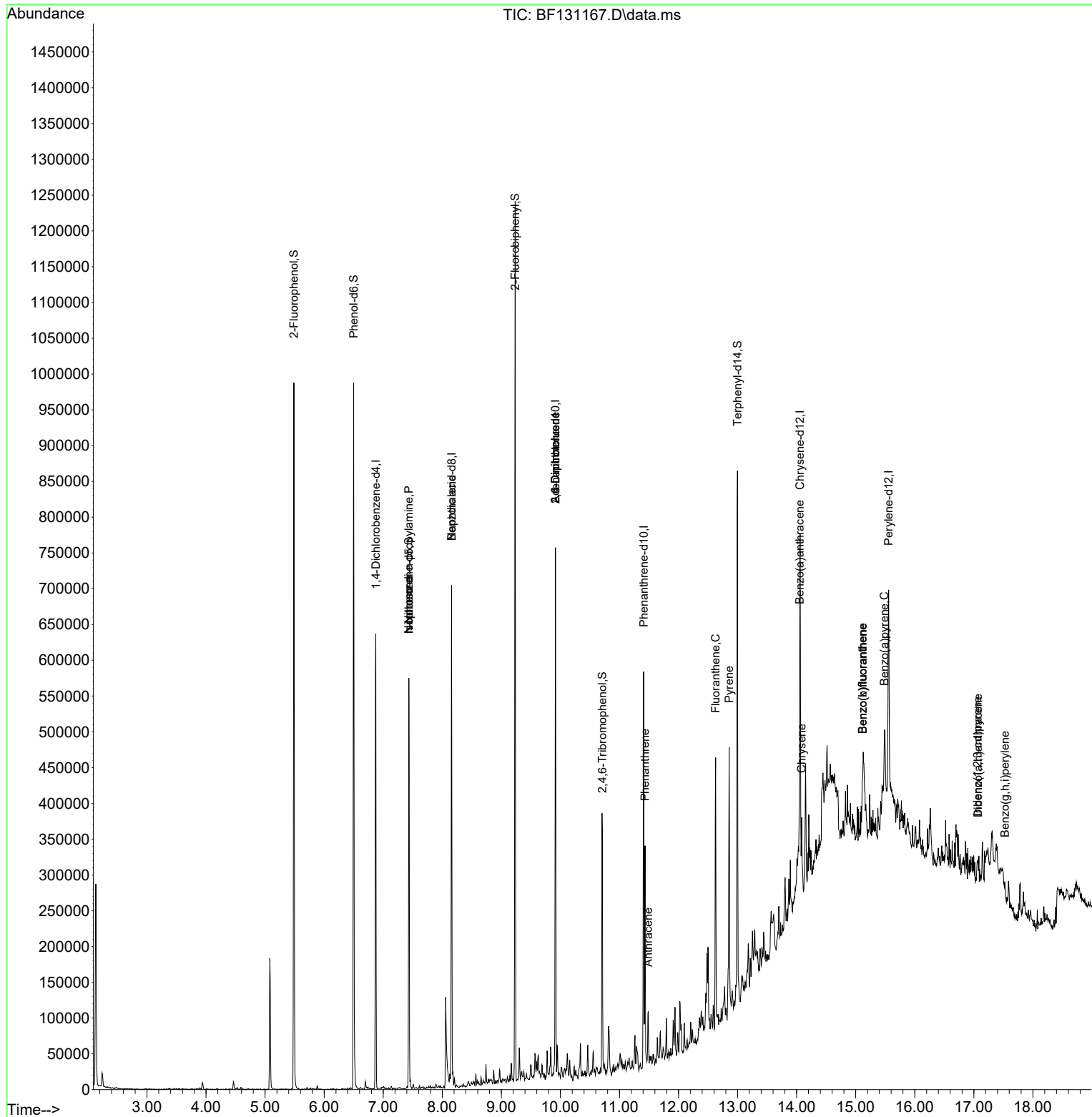
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	87120	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	246262	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	133567	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	178072	20.000	ng	0.00
76) Chrysene-d12	14.057	240	134177	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	109622	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	221081	43.156	ng	0.00
7) Phenol-d6	6.499	99	270314	40.361	ng	0.00
23) Nitrobenzene-d5	7.434	82	159503	29.223	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	38286	27.736	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	314585	32.879	ng	0.00
79) Terphenyl-d14	12.998	244	248391	32.458	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	22659	5.153	ng	# 74
25) Isophorone	7.434	82	159501	18.900	ng	# 68
32) Benzoic acid	8.157	122	54	5.736	ng	# 1
51) 2,6-Dinitrotoluene	9.916	165	17675	8.465	ng	# 15
57) 2,4-Dinitrotoluene	9.916	165	17675	6.368	ng	# 17
71) Phenanthrene	11.434	178	95707	9.772	ng	98
72) Anthracene	11.486	178	28824	3.032	ng	99
75) Fluoranthene	12.628	202	140455	14.327	ng	100
78) Pyrene	12.857	202	132001	11.467	ng	99
81) Benzo(a)anthracene	14.051	228	57848	6.032	ng	94
83) Chrysene	14.086	228	45384	5.011	ng	95
87) Indeno(1,2,3-cd)pyrene	17.063	276	20422	5.958	ng	94
88) Benzo(b)fluoranthene	15.116	252	58365	7.531	ng	# 83
89) Benzo(k)fluoranthene	15.116	252	58365	7.835	ng	# 85
90) Benzo(a)pyrene	15.486	252	37230	5.992	ng	# 85
91) Dibenzo(a,h)anthracene	17.069	278	6551	4.668	ng	# 46
92) Benzo(g,h,i)perylene	17.527	276	18948	6.600	ng	94

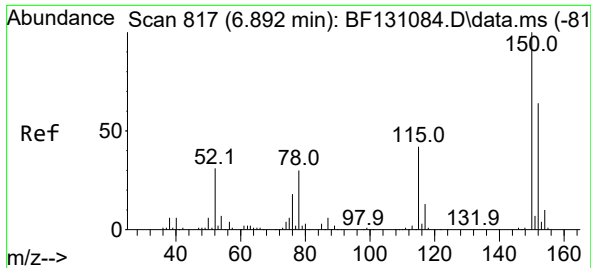
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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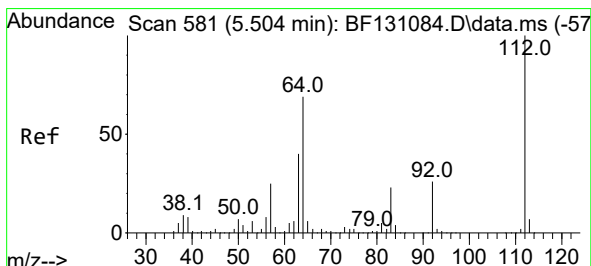
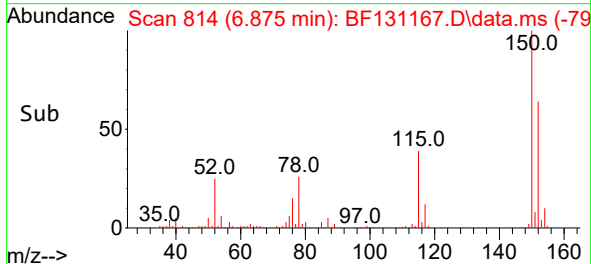
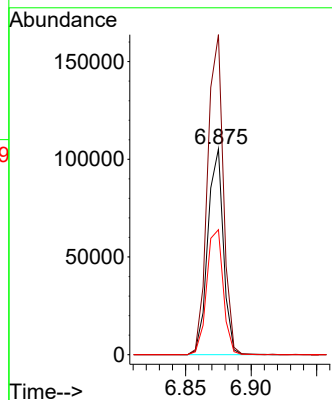
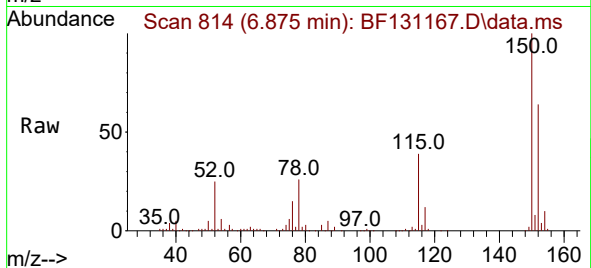




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

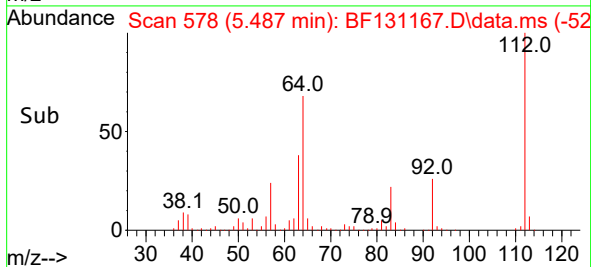
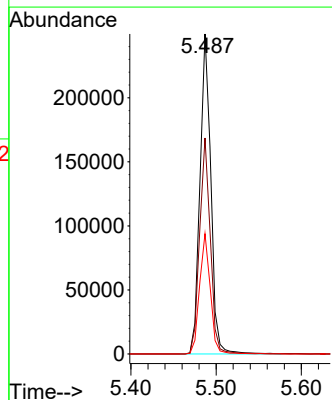
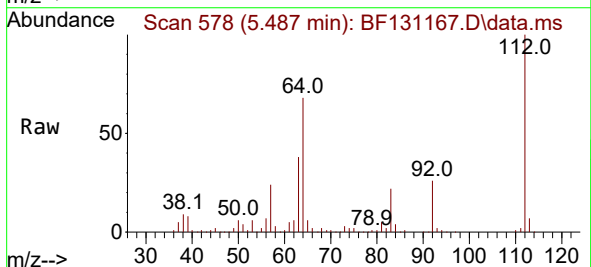
Instrument :
BNA_F
ClientSampleId :
RM-4

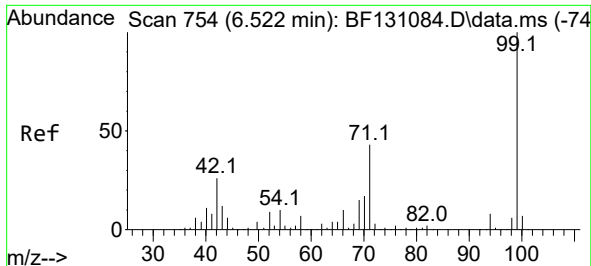
Tgt Ion:152 Resp: 87120
Ion Ratio Lower Upper
152 100
150 155.5 125.5 188.3
115 60.7 52.2 78.2



#5
2-Fluorophenol
Concen: 43.156 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion:112 Resp: 221081
Ion Ratio Lower Upper
112 100
64 67.5 55.1 82.7
63 37.6 32.4 48.6

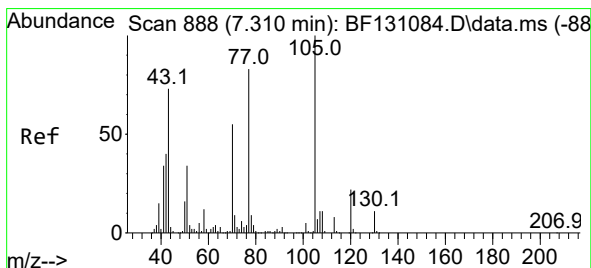
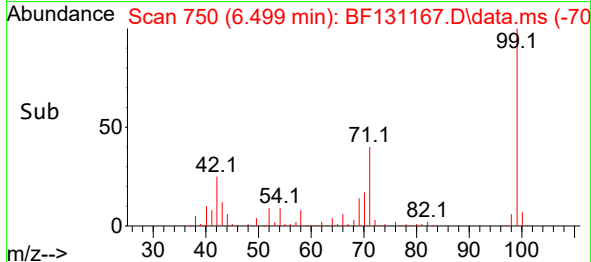
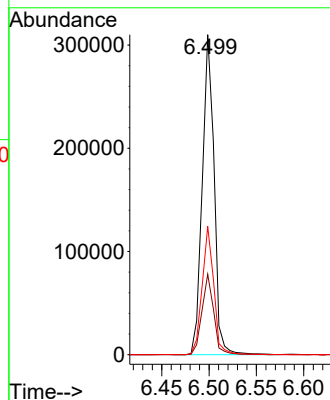
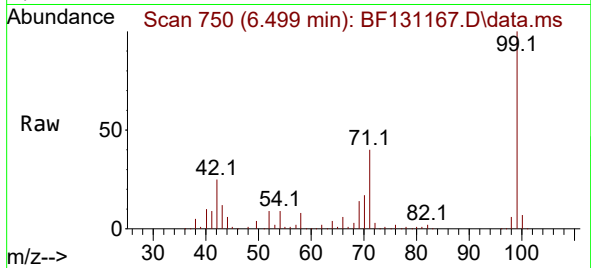




#7
Phenol-d6
Concen: 40.361 ng
RT: 6.499 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

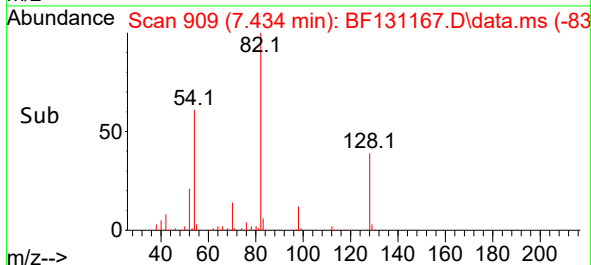
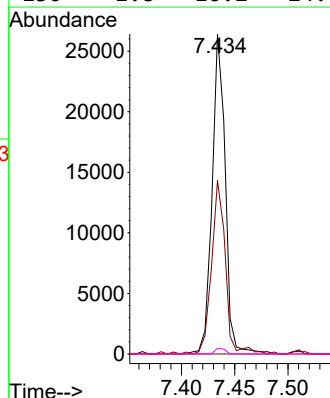
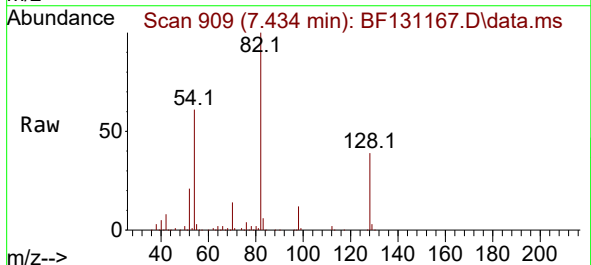
Instrument :
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ClientSampleId :
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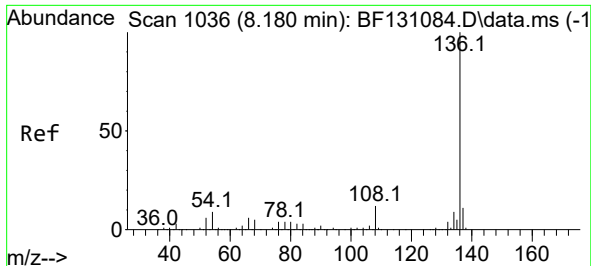
Tgt Ion: 99 Resp: 270314
Ion Ratio Lower Upper
99 100
42 25.2 20.8 31.2
71 40.1 34.2 51.4



#19
n-Nitroso-di-n-propylamine
Concen: 5.153 ng
RT: 7.434 min Scan# 909
Delta R.T. 0.141 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion: 70 Resp: 22659
Ion Ratio Lower Upper
70 100
42 54.2 58.3 87.5#
101 0.0 7.4 11.2#
130 1.8 16.2 24.4#

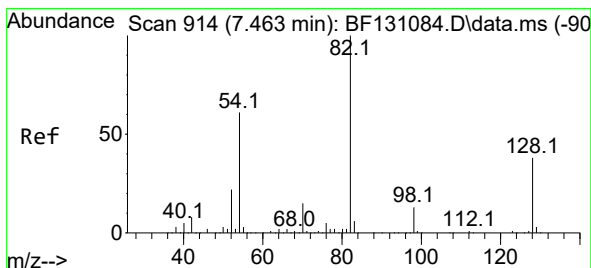
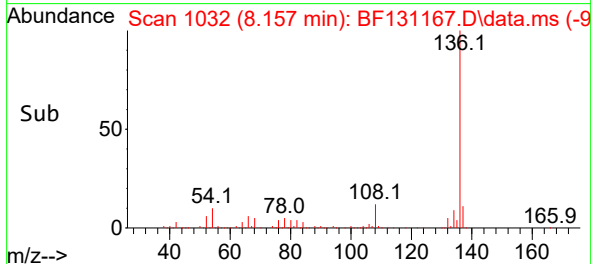
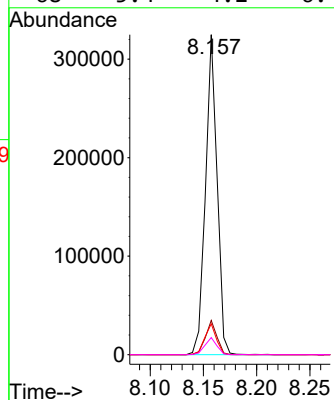
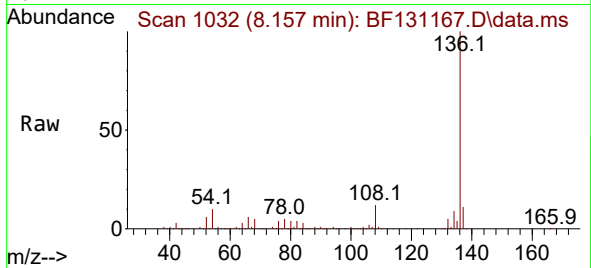




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

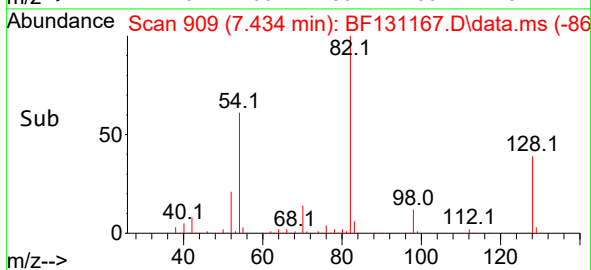
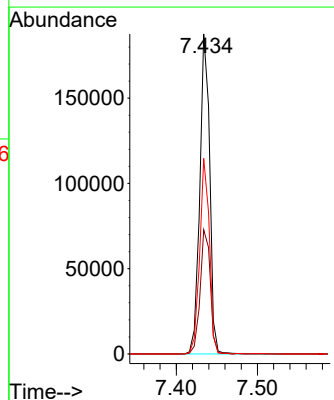
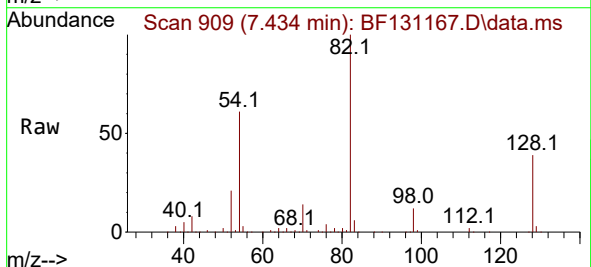
Instrument :
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ClientSampleId :
RM-4

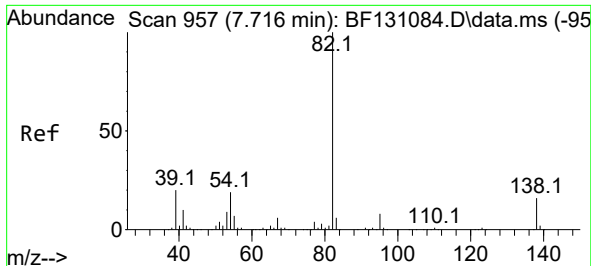
Tgt Ion:136 Resp: 246262
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.7 7.2 10.8
68 5.4 4.2 6.4



#23
Nitrobenzene-d5
Concen: 29.223 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion: 82 Resp: 159503
Ion Ratio Lower Upper
82 100
128 38.8 30.5 45.7
54 61.1 49.1 73.7

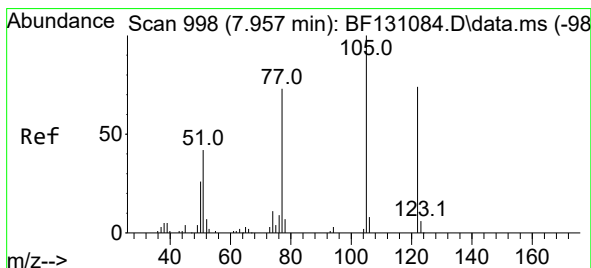
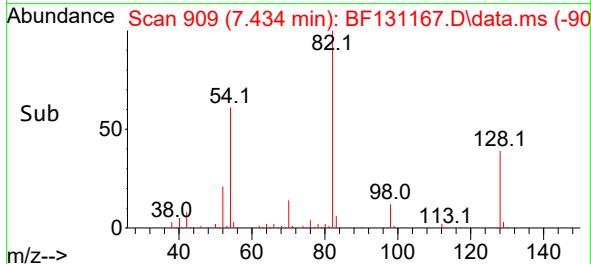
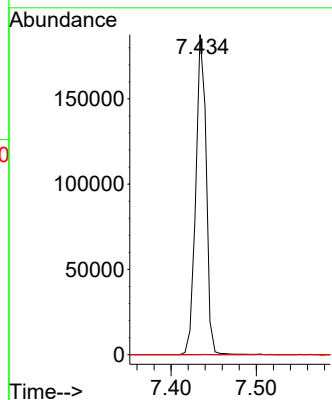
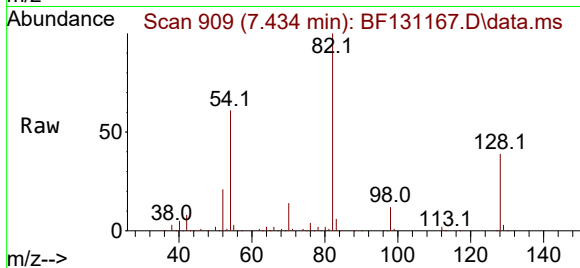




#25
Isophorone
Concen: 18.900 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

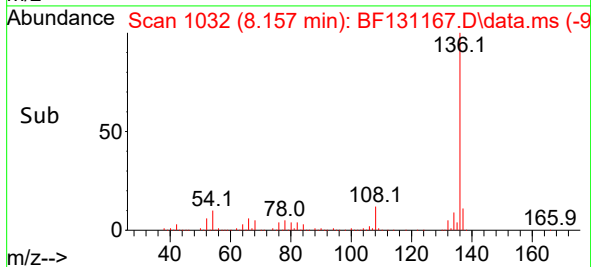
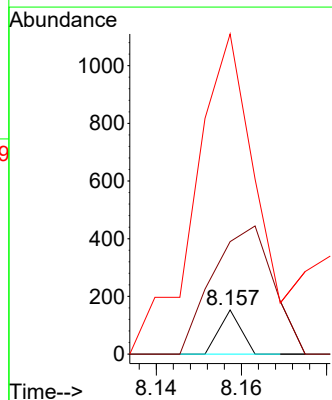
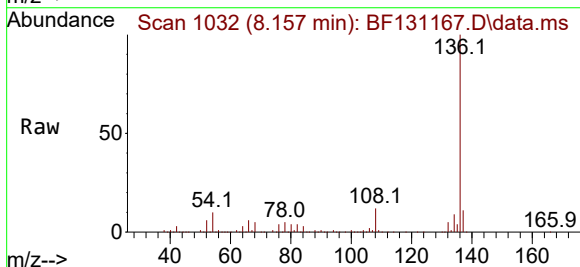
Instrument :
BNA_F
ClientSampleId :
RM-4

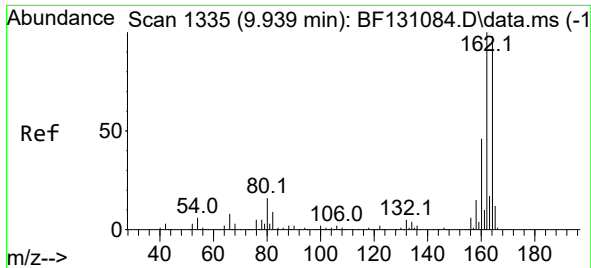
Tgt Ion: 82 Resp: 159501
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.5 18.7#



#32
Benzoic acid
Concen: 5.736 ng
RT: 8.157 min Scan# 1032
Delta R.T. 0.218 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 254.9 113.0 153.0#
77 725.5 78.7 118.7#

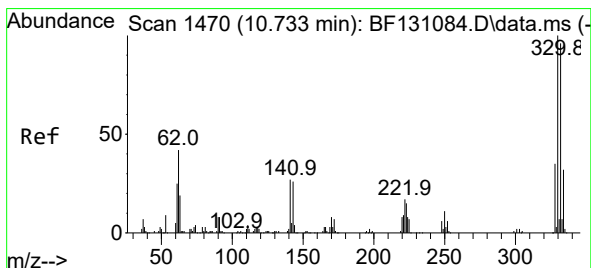
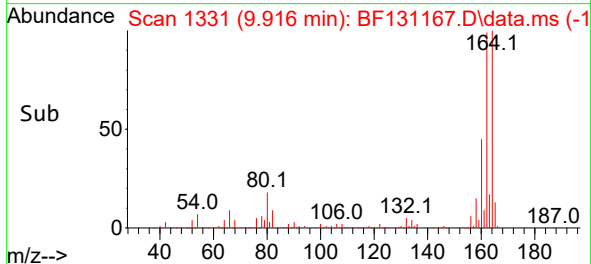
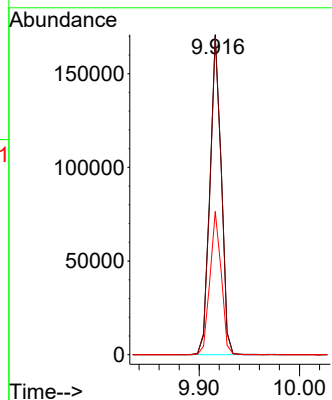
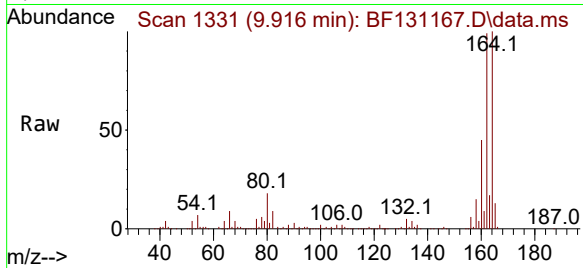




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

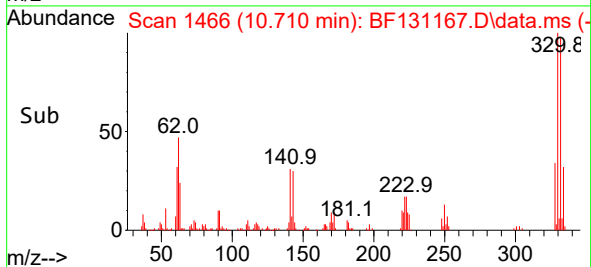
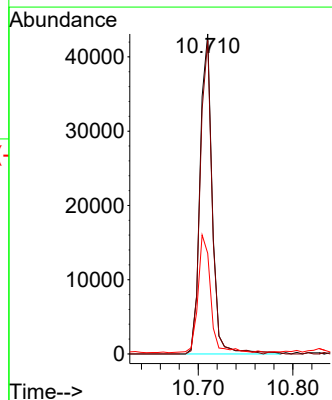
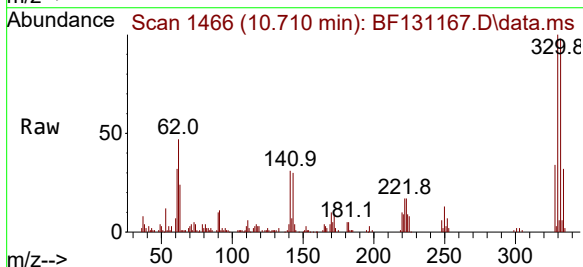
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ClientSampleId :
RM-4

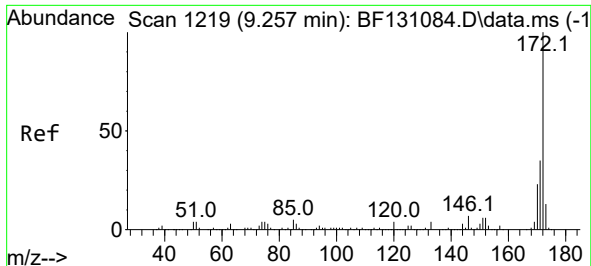
Tgt Ion:164 Resp: 133567
Ion Ratio Lower Upper
164 100
162 99.3 81.7 122.5
160 44.7 37.4 56.2



#42
2,4,6-Tribromophenol
Concen: 27.736 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion:330 Resp: 38286
Ion Ratio Lower Upper
330 100
332 96.4 77.0 115.4
141 38.2 28.5 42.7

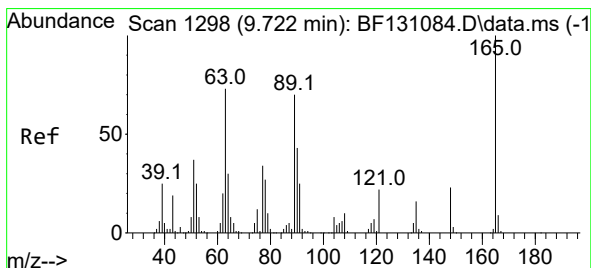
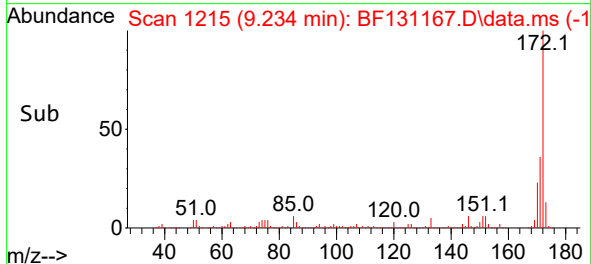
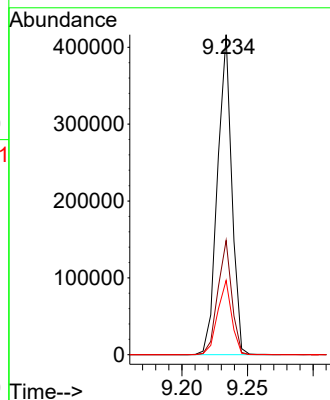
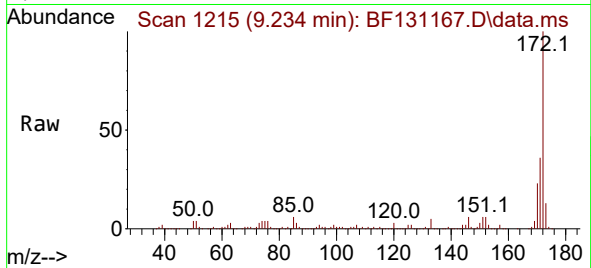




#45
2-Fluorobiphenyl
Concen: 32.879 ng
RT: 9.234 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

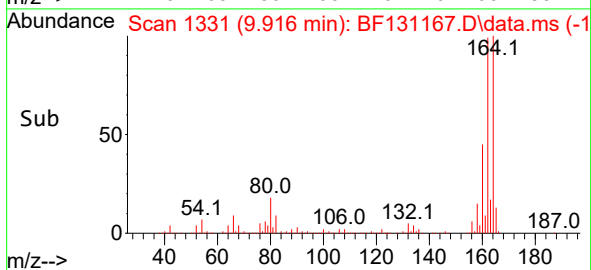
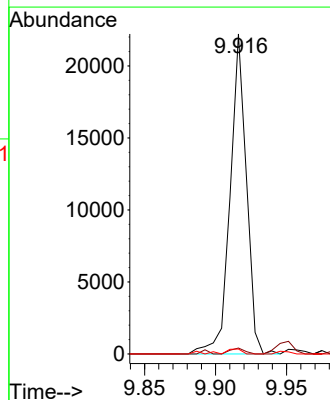
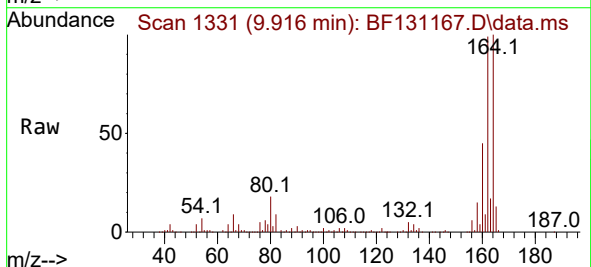
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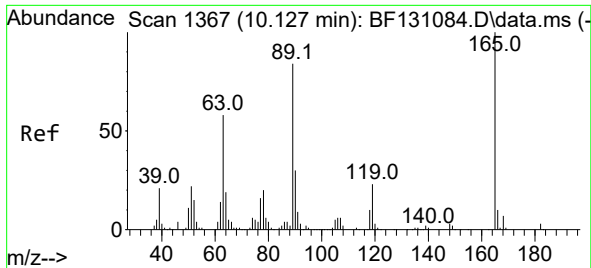
Tgt Ion:172 Resp: 314585
Ion Ratio Lower Upper
172 100
171 35.7 27.7 41.5
170 23.2 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 8.465 ng
RT: 9.916 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion:165 Resp: 17675
Ion Ratio Lower Upper
165 100
63 1.8 61.4 92.2#
89 1.5 56.0 84.0#

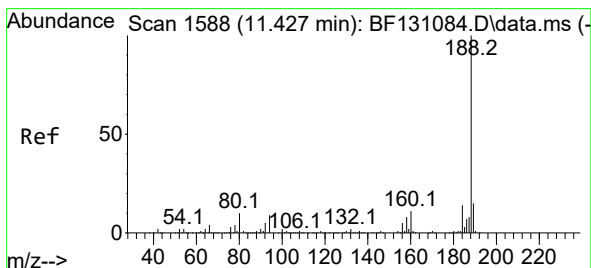
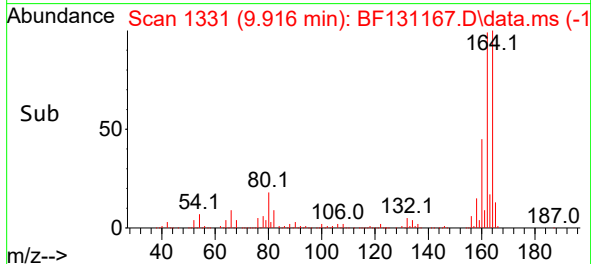
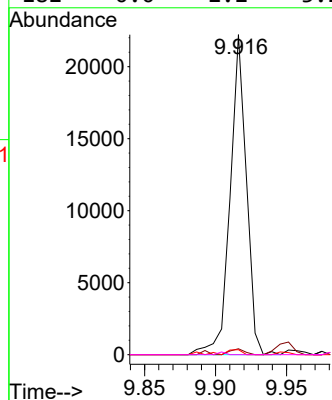
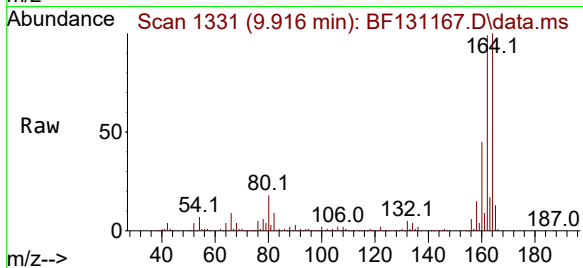




#57
2,4-Dinitrotoluene
Concen: 6.368 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

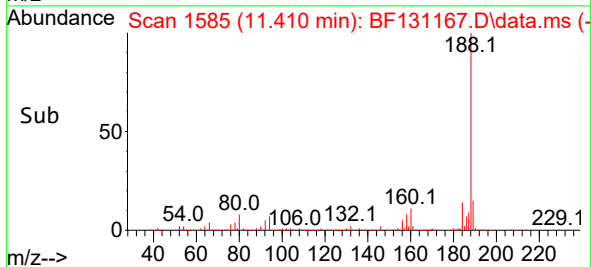
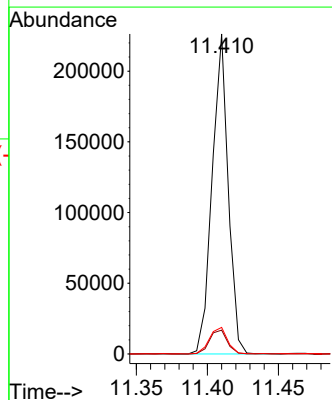
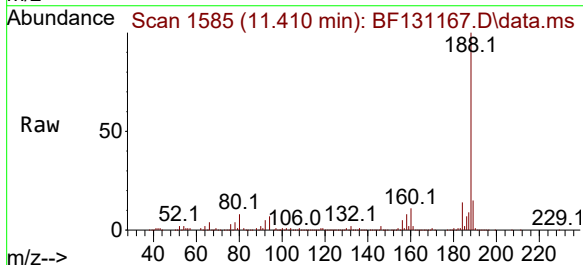
Instrument :
BNA_F
ClientSampleId :
RM-4

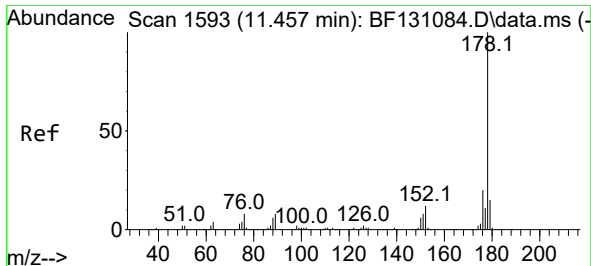
Tgt Ion:165 Resp: 17675
Ion Ratio Lower Upper
165 100
63 1.8 46.9 70.3#
89 1.5 66.9 100.3#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion:188 Resp: 178072
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 8.3 7.9 11.9

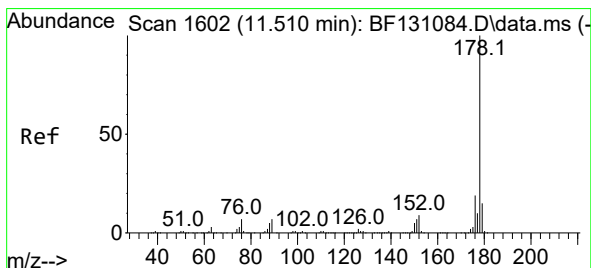
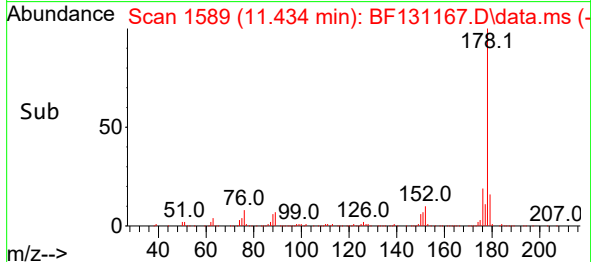
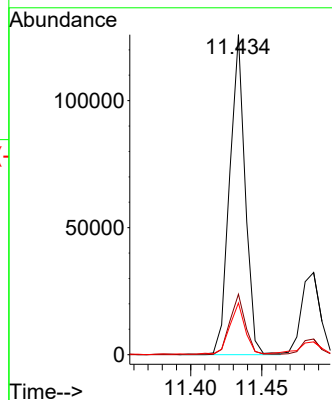
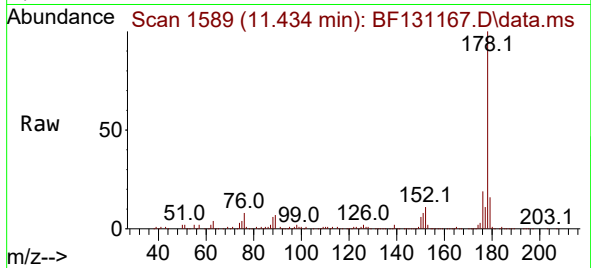




#71
Phenanthrene
Concen: 9.772 ng
RT: 11.434 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

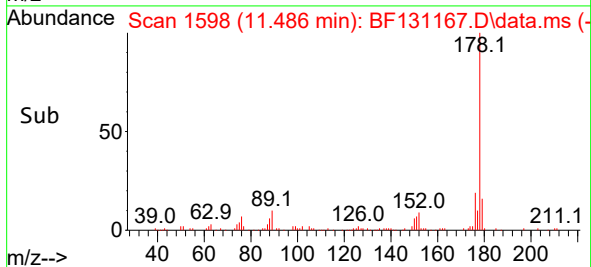
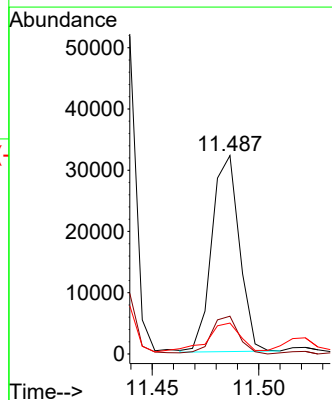
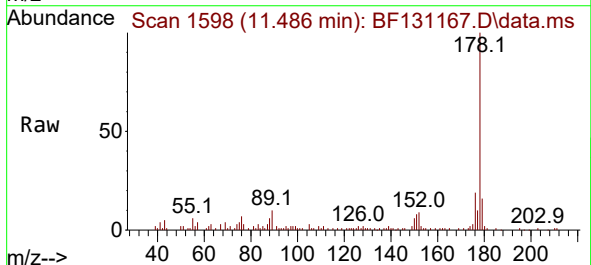
Instrument :
BNA_F
ClientSampleId :
RM-4

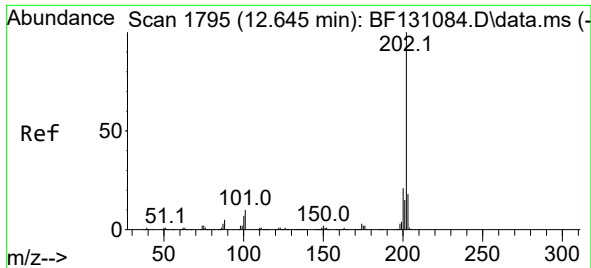
Tgt Ion:178 Resp: 95707
Ion Ratio Lower Upper
178 100
176 18.9 15.8 23.8
179 16.1 12.2 18.2



#72
Anthracene
Concen: 3.032 ng
RT: 11.486 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion:178 Resp: 28824
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.6
179 15.6 11.8 17.8

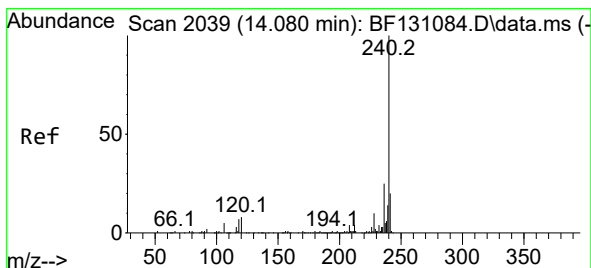
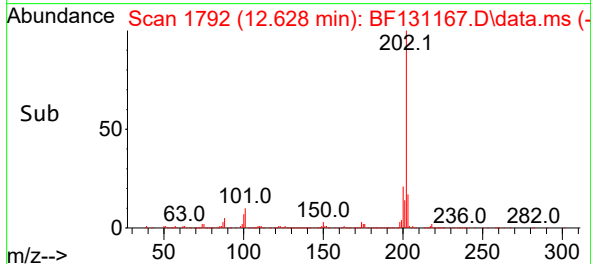
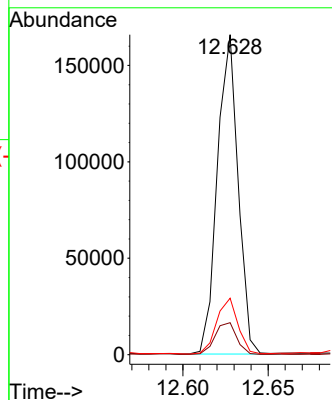
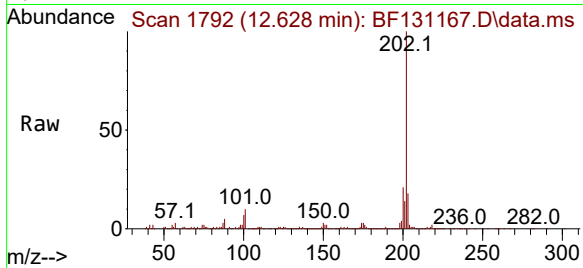




#75
Fluoranthene
Concen: 14.327 ng
RT: 12.628 min Scan# 1792
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

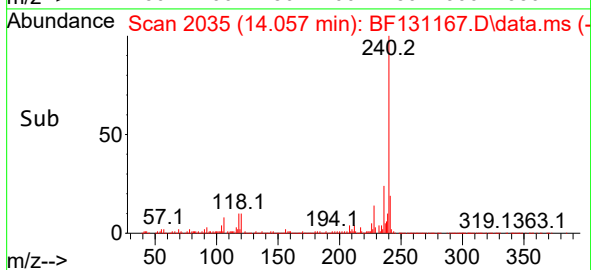
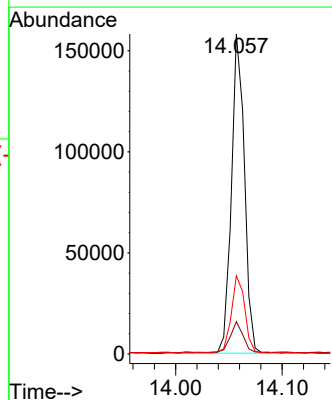
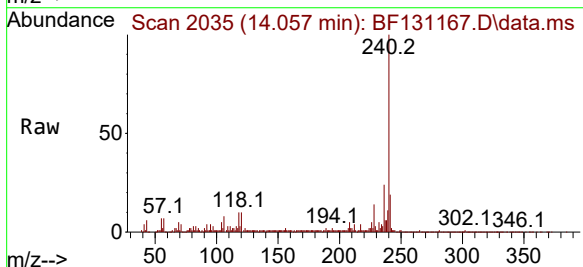
Instrument :
BNA_F
ClientSampleId :
RM-4

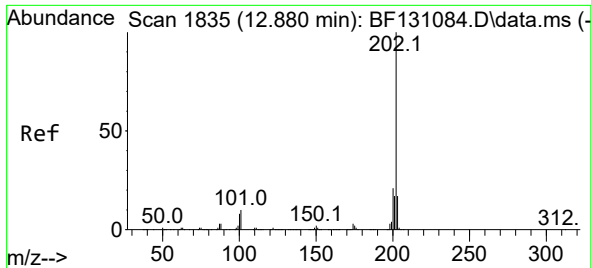
Tgt Ion:202 Resp: 140455
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.0
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion:240 Resp: 134177
Ion Ratio Lower Upper
240 100
120 10.1 6.5 9.7#
236 24.5 19.7 29.5

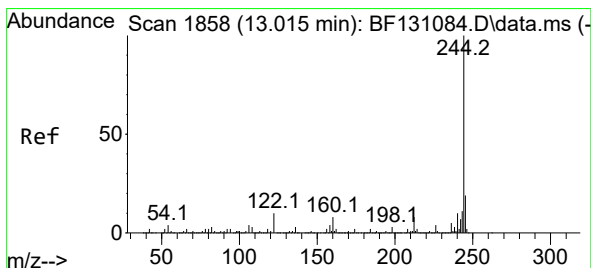
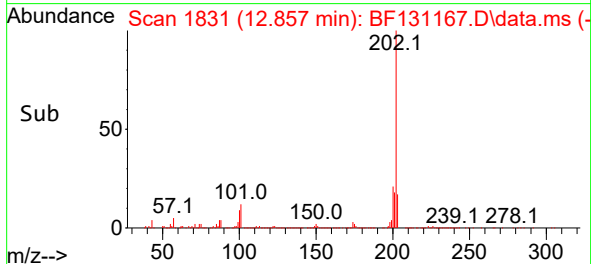
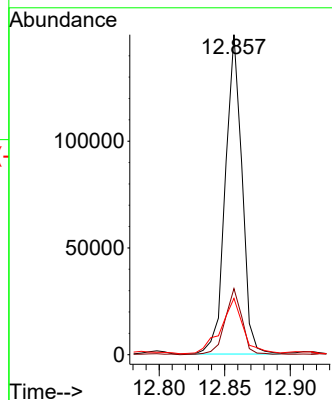
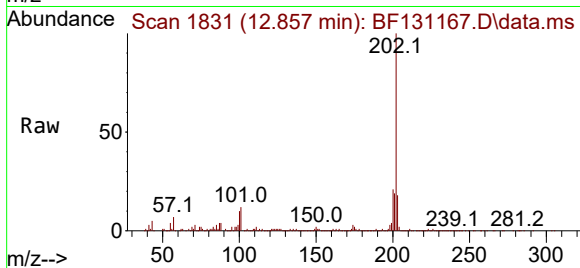




#78
Pyrene
Concen: 11.467 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

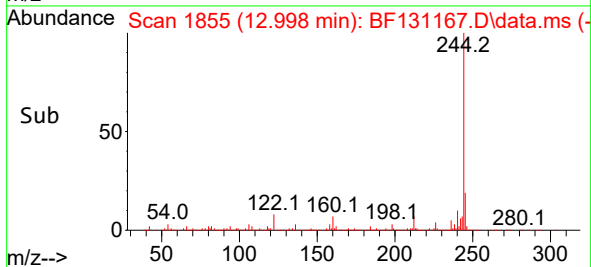
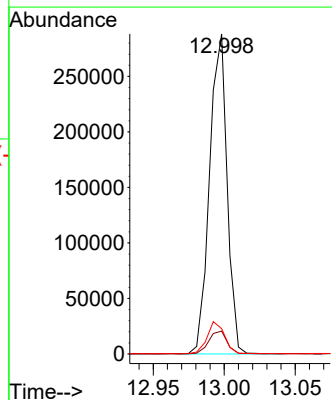
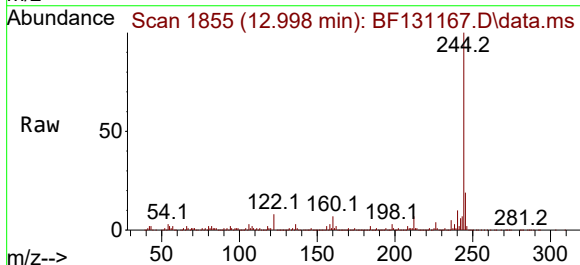
Instrument :
BNA_F
ClientSampleId :
RM-4

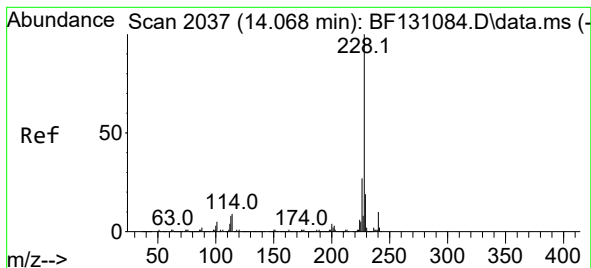
Tgt Ion:202 Resp: 132001
Ion Ratio Lower Upper
202 100
200 20.7 16.8 25.2
203 17.6 13.6 20.4



#79
Terphenyl-d14
Concen: 32.458 ng
RT: 12.998 min Scan# 1855
Delta R.T. 0.000 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion:244 Resp: 248391
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.2
122 7.9 7.8 11.8





#81

Benzo(a)anthracene

Concen: 6.032 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF131167.D

Acq: 11 Nov 2022 22:38

Instrument :

BNA_F

ClientSampleId :

RM-4

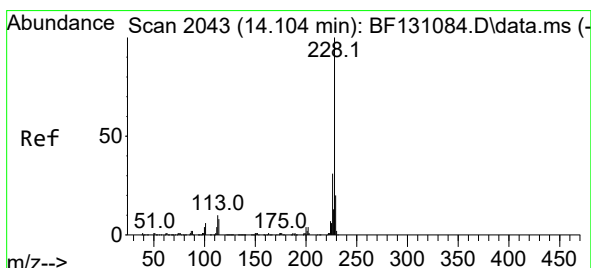
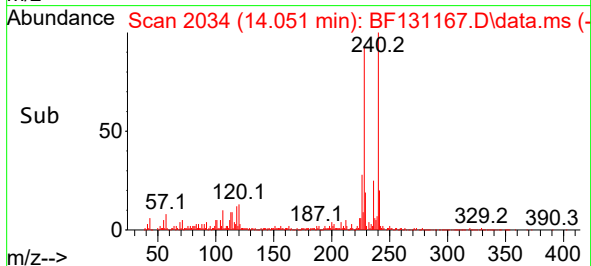
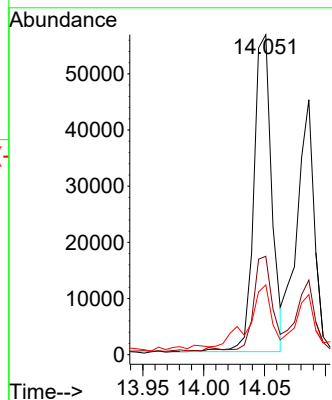
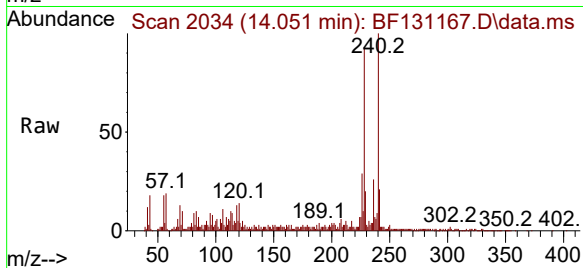
Tgt Ion:228 Resp: 57848

Ion Ratio Lower Upper

228 100

226 30.8 21.8 32.6

229 21.8 15.4 23.2



#83

Chrysene

Concen: 5.011 ng

RT: 14.086 min Scan# 2040

Delta R.T. 0.000 min

Lab File: BF131167.D

Acq: 11 Nov 2022 22:38

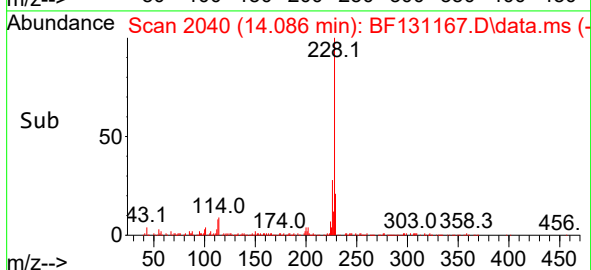
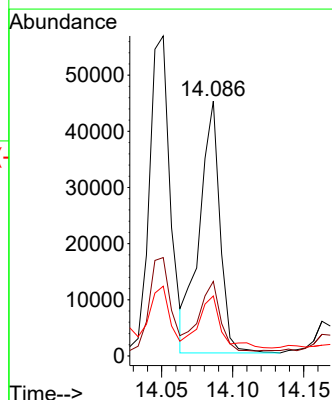
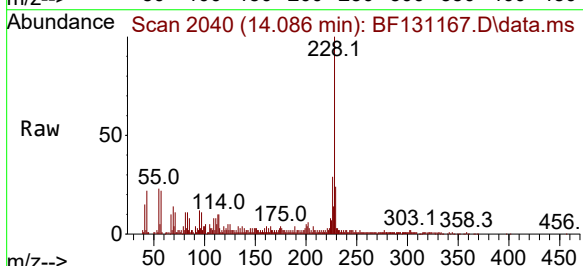
Tgt Ion:228 Resp: 45384

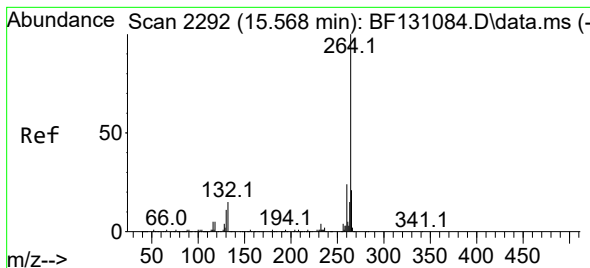
Ion Ratio Lower Upper

228 100

226 29.3 24.4 36.6

229 23.6 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131167.D

Acq: 11 Nov 2022 22:38

Instrument :

BNA_F

ClientSampleId :

RM-4

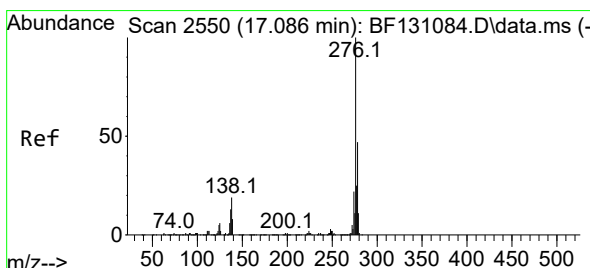
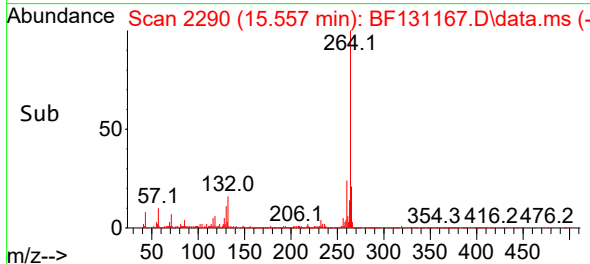
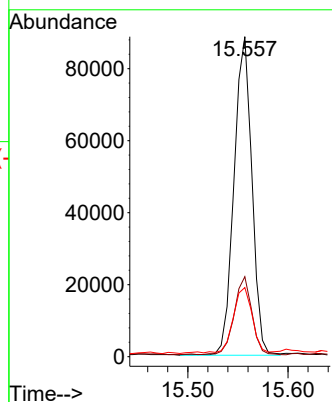
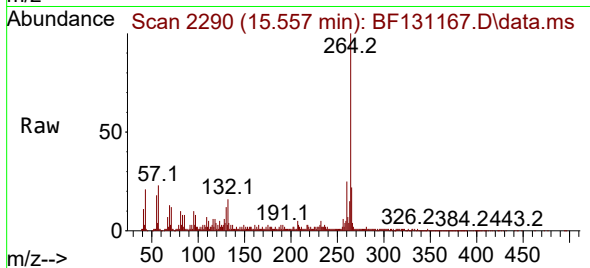
Tgt Ion:264 Resp: 109622

Ion Ratio Lower Upper

264 100

260 25.0 19.1 28.7

265 21.6 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.958 ng

RT: 17.063 min Scan# 2546

Delta R.T. 0.006 min

Lab File: BF131167.D

Acq: 11 Nov 2022 22:38

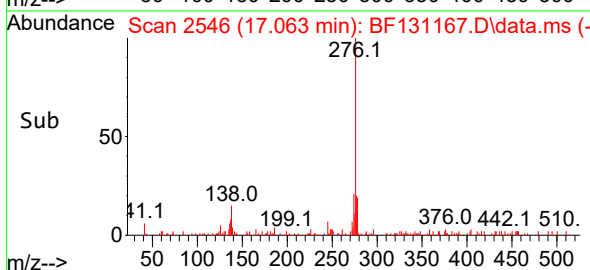
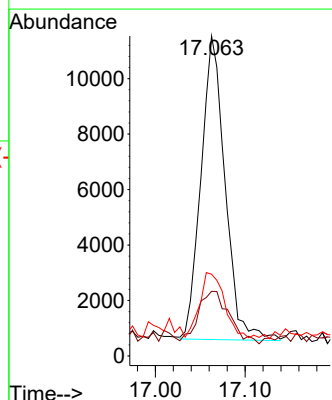
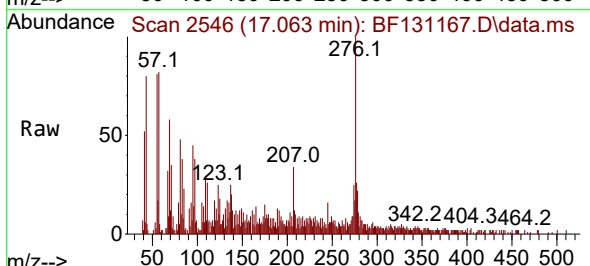
Tgt Ion:276 Resp: 20422

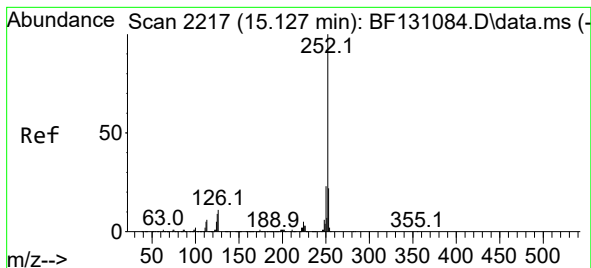
Ion Ratio Lower Upper

276 100

138 22.4 16.9 25.3

277 21.5 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 7.531 ng

RT: 15.116 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF131167.D

Acq: 11 Nov 2022 22:38

Instrument :

BNA_F

ClientSampleId :

RM-4

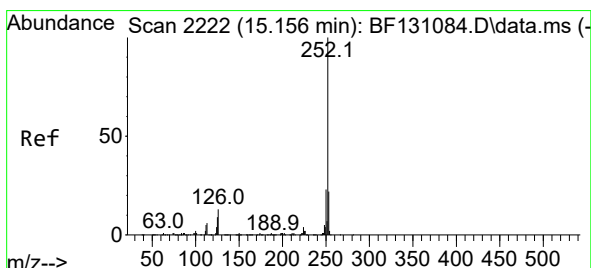
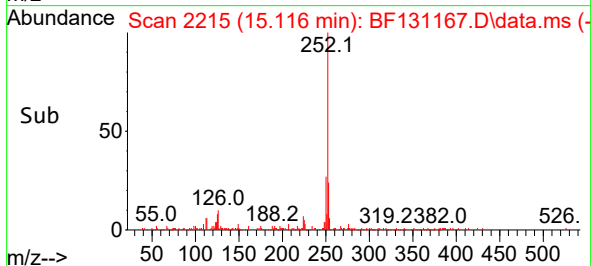
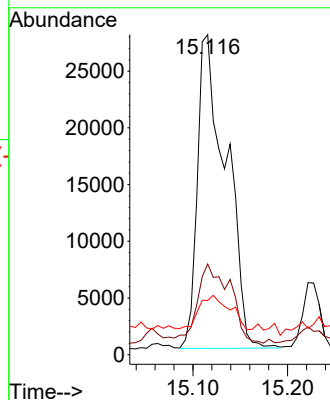
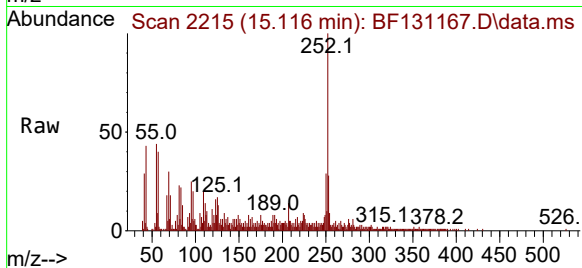
Tgt Ion:252 Resp: 58365

Ion Ratio Lower Upper

252 100

253 28.3 17.3 25.9#

125 17.0 7.2 10.8#



#89

Benzo(k)fluoranthene

Concen: 7.835 ng

RT: 15.116 min Scan# 2215

Delta R.T. -0.023 min

Lab File: BF131167.D

Acq: 11 Nov 2022 22:38

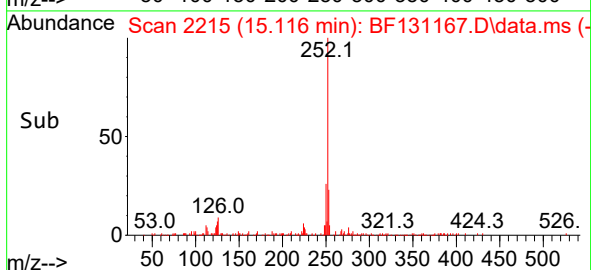
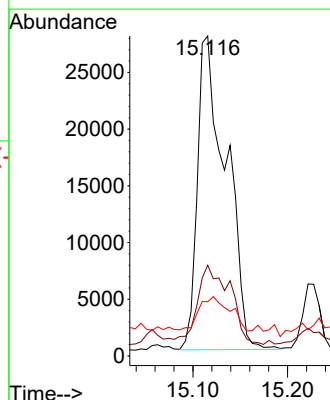
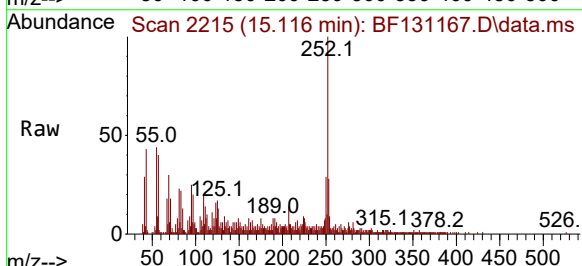
Tgt Ion:252 Resp: 58365

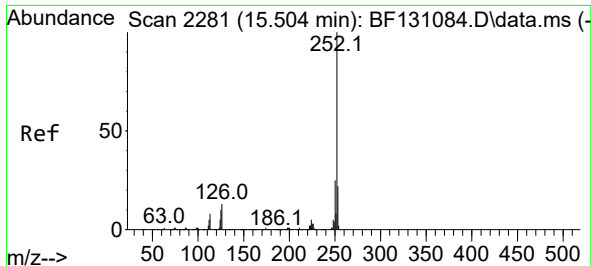
Ion Ratio Lower Upper

252 100

253 28.3 17.6 26.4#

125 17.0 7.5 11.3#

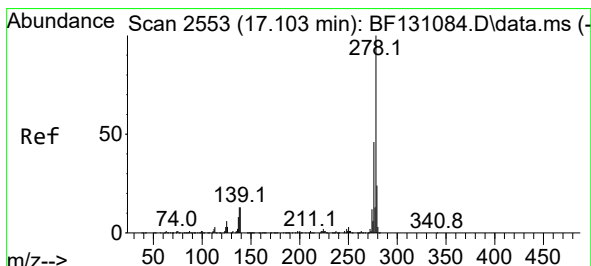
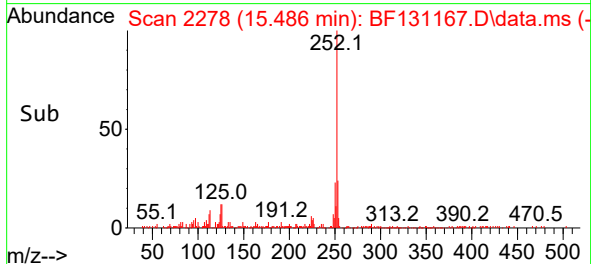
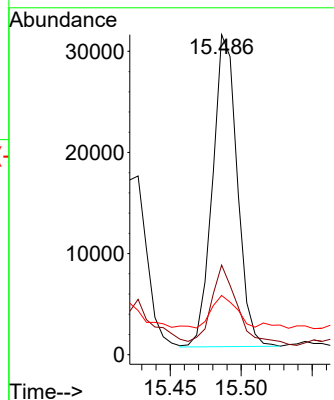
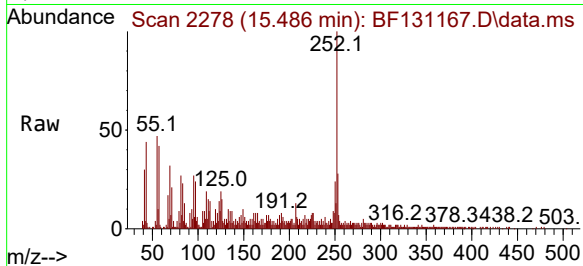




#90
Benzo(a)pyrene
Concen: 5.992 ng
RT: 15.486 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

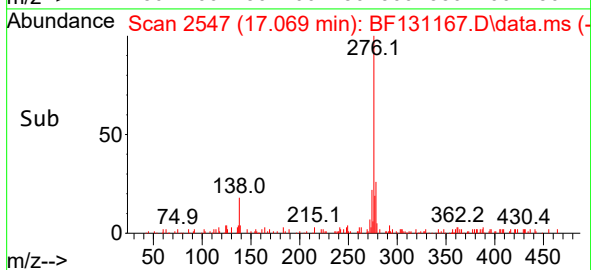
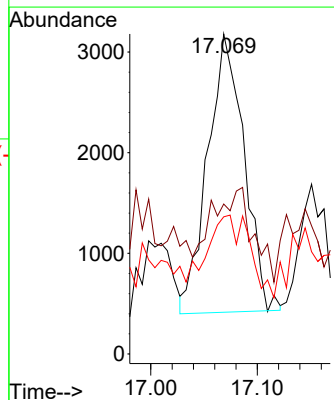
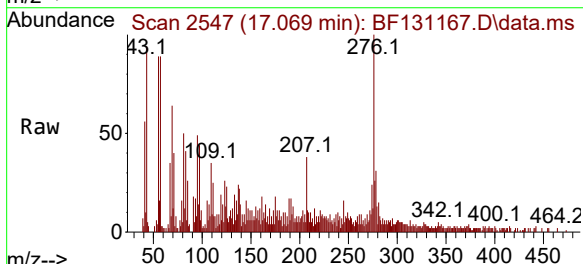
Instrument :
BNA_F
ClientSampleId :
RM-4

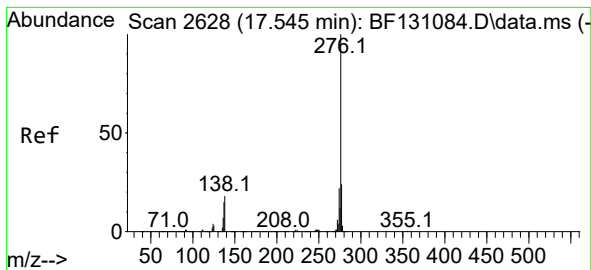
Tgt Ion:252 Resp: 37230
Ion Ratio Lower Upper
252 100
253 28.0 17.8 26.8#
125 18.5 8.1 12.1#



#91
Dibenzo(a,h)anthracene
Concen: 4.668 ng
RT: 17.069 min Scan# 2547
Delta R.T. -0.006 min
Lab File: BF131167.D
Acq: 11 Nov 2022 22:38

Tgt Ion:278 Resp: 6551
Ion Ratio Lower Upper
278 100
139 46.9 10.8 16.2#
279 42.9 19.2 28.8#





#92

Benzo(g,h,i)perylene

Concen: 6.600 ng

RT: 17.527 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF131167.D

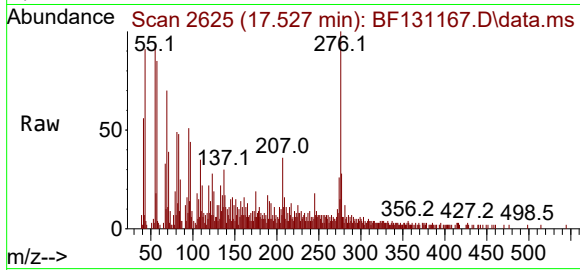
Acq: 11 Nov 2022 22:38

Instrument :

BNA_F

ClientSampleId :

RM-4



Tgt Ion:276 Resp: 18948

Ion Ratio Lower Upper

276 100

277 27.6 19.0 28.4

138 16.9 14.6 21.8

