

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112922\
 Data File : BF131457.D
 Acq On : 29 Nov 2022 15:25
 Operator : CG\JU
 Sample : N5762-05RX
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Nov 30 01:05:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 00:18:36 2022
 Response via : Initial Calibration

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

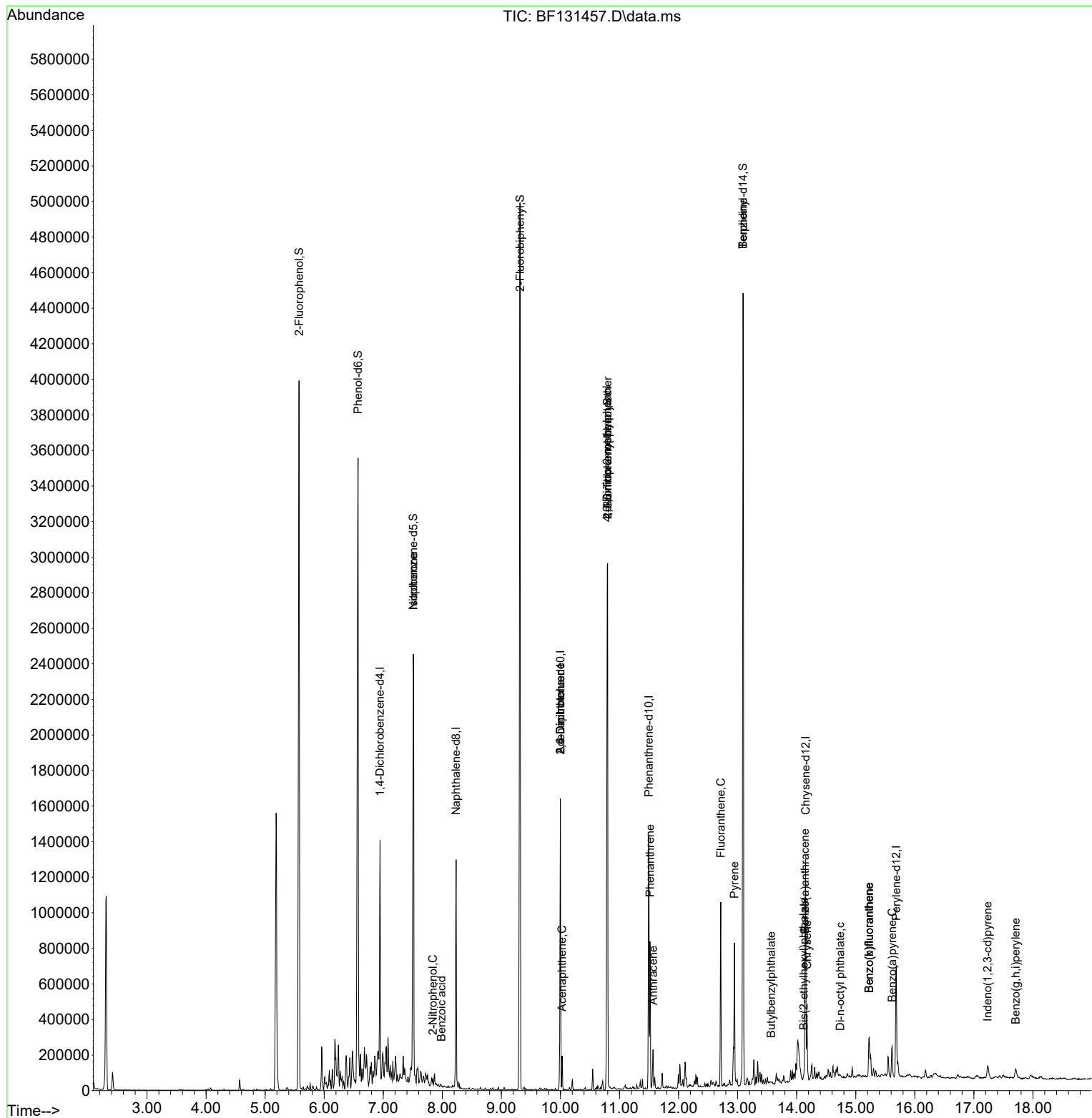
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	144815	20.000	ng	0.00
21) Naphthalene-d8	8.233	136	562786	20.000	ng	#-0.01
39) Acenaphthene-d10	9.998	164	320230	20.000	ng	-0.01
64) Phenanthrene-d10	11.498	188	558396	20.000	ng	0.00
76) Chrysene-d12	14.151	240	382613	20.000	ng	#-0.02
86) Perylene-d12	15.686	264	305393	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	1211360	159.202	ng	0.02
7) Phenol-d6	6.575	99	1534390	158.052	ng	0.00
23) Nitrobenzene-d5	7.510	82	986010	88.317	ng	-0.02
42) 2,4,6-Tribromophenol	10.798	330	441270	163.790	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1710089	77.690	ng	-0.01
79) Terphenyl-d14	13.092	244	1773837	75.813	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	2272	Below Cal	#	4
25) Isophorone	7.510	82	984770	49.440	ng	# 68
26) 2-Nitrophenol	7.839	139	152	3.623	ng	# 1
32) Benzoic acid	7.986	122	116	5.155	ng	# 31
51) 2,6-Dinitrotoluene	9.998	165	42224	9.463	ng	# 15
52) Acenaphthene	10.028	154	37815	2.021	ng	99
57) 2,4-Dinitrotoluene	9.998	165	42224	7.521	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.792	198	1102	5.089	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	27007	3.946	ng	# 1
71) Phenanthrene	11.516	178	295757	9.801	ng	98
72) Anthracene	11.569	178	70031	2.361	ng	99
75) Fluoranthene	12.716	202	385807	12.133	ng	99
77) Benzidine	13.092	184	21932	3.103	ng	# 93
78) Pyrene	12.945	202	307227	9.101	ng	99
80) Butylbenzylphthalate	13.568	149	729	4.202	ng	# 40
81) Benzo(a)anthracene	14.139	228	145155	5.535	ng	97
83) Chrysene	14.174	228	129839	5.046	ng	99
84) Bis(2-ethylhexyl)phtha...	14.121	149	3196	3.944	ng	# 84
85) Di-n-octyl phthalate	14.739	149	433	3.924	ng	# 55
87) Indeno(1,2,3-cd)pyrene	17.233	276	51968	2.534	ng	96
88) Benzo(b)fluoranthene	15.227	252	181061	8.925	ng	# 97
89) Benzo(k)fluoranthene	15.227	252	181061	8.684	ng	97
90) Benzo(a)pyrene	15.615	252	87612	5.263	ng	# 96
92) Benzo(g,h,i)perylene	17.709	276	46617	2.758	ng	96

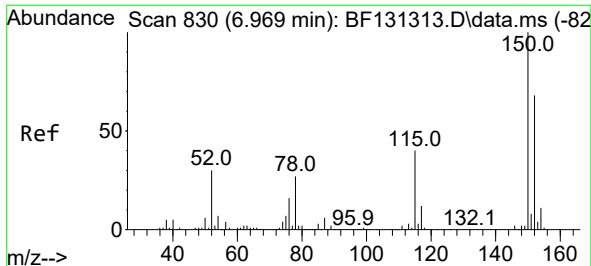
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 30 01:05:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 29 00:18:36 2022
Response via : Initial Calibration

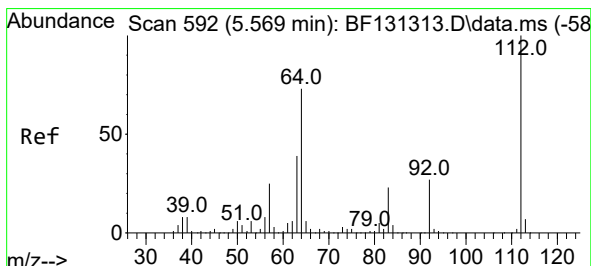
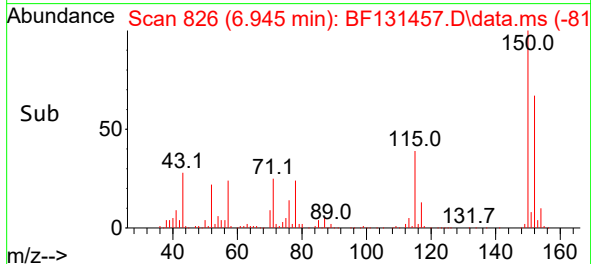
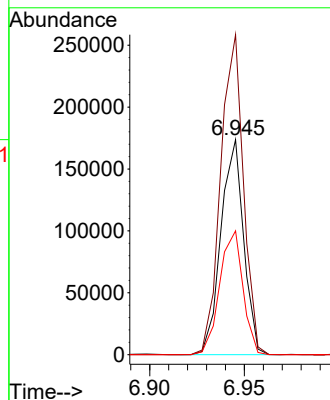
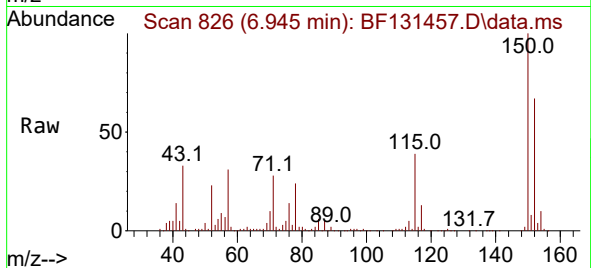




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.945 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF131457.D
 Acq: 29 Nov 2022 15:25

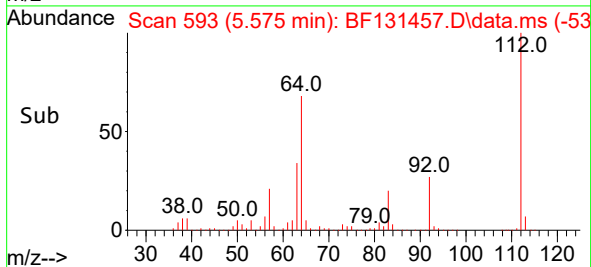
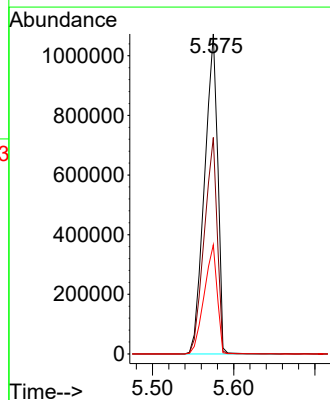
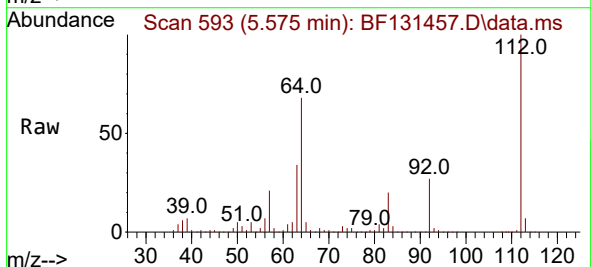
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

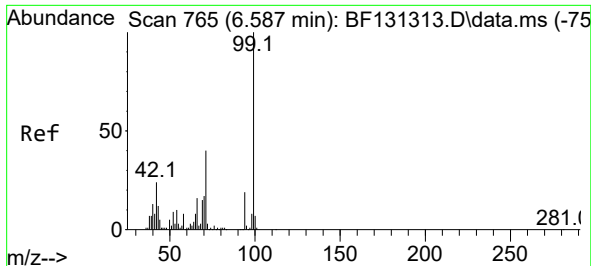
Tgt Ion:152 Resp: 144815
 Ion Ratio Lower Upper
 152 100
 150 148.8 117.8 176.8
 115 57.6 47.1 70.7



#5
 2-Fluorophenol
 Concen: 159.202 ng
 RT: 5.575 min Scan# 593
 Delta R.T. 0.018 min
 Lab File: BF131457.D
 Acq: 29 Nov 2022 15:25

Tgt Ion:112 Resp: 1211360
 Ion Ratio Lower Upper
 112 100
 64 67.7 58.6 88.0
 63 34.1 31.4 47.0

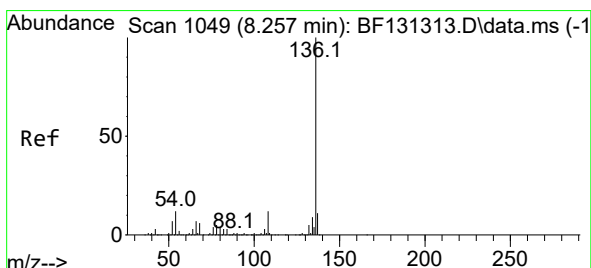
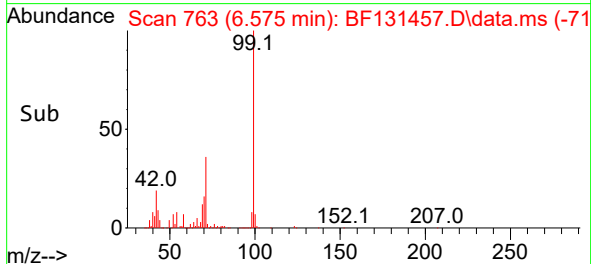
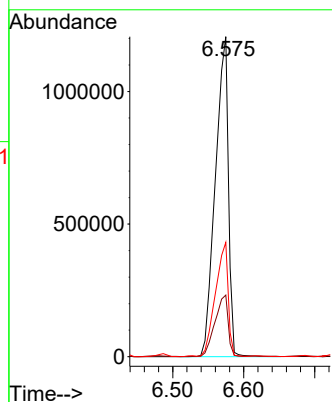
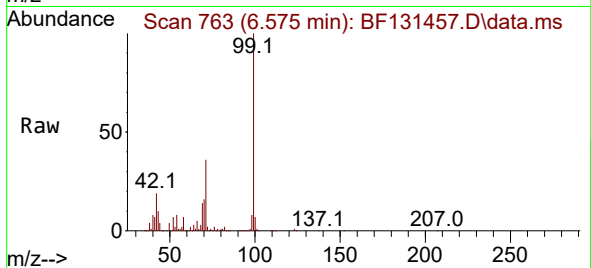




#7
Phenol-d6
Concen: 158.052 ng
RT: 6.575 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

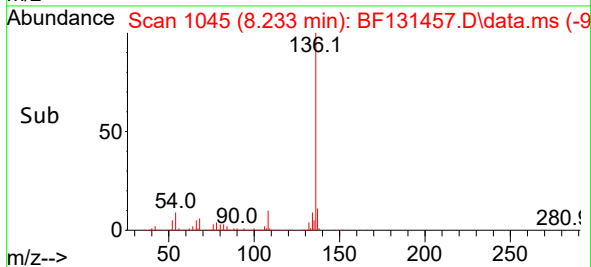
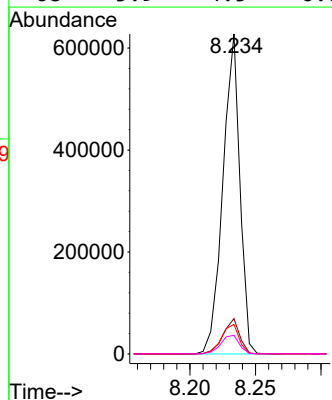
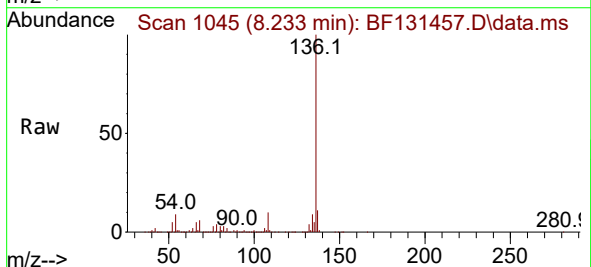
Instrument :
BNA_F
ClientSampleId :
TP-1

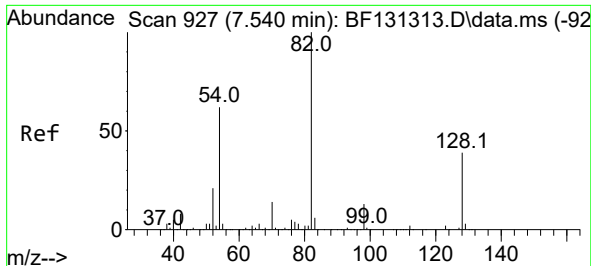
Tgt Ion: 99 Resp: 1534390
Ion Ratio Lower Upper
99 100
42 19.3 19.4 29.2#
71 35.7 32.3 48.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.233 min Scan# 1045
Delta R.T. -0.012 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

Tgt Ion: 136 Resp: 562786
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.6
54 9.3 9.4 14.0#
68 5.9 4.5 6.7

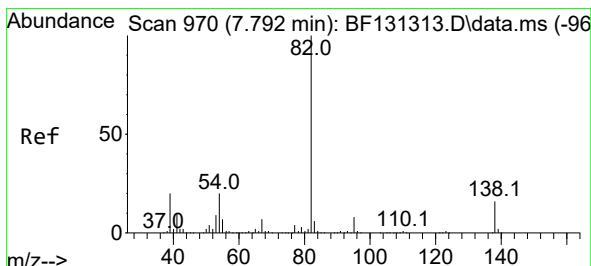
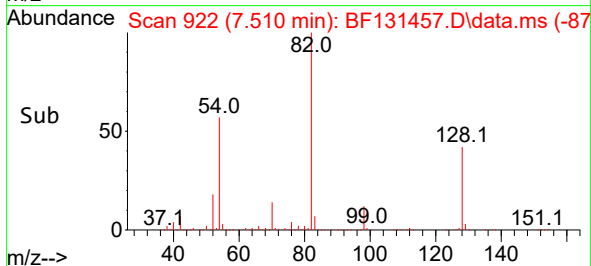
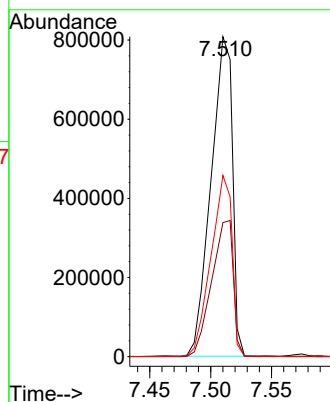
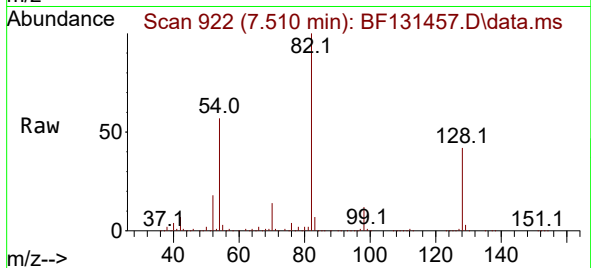




#23
Nitrobenzene-d5
Concen: 88.317 ng
RT: 7.510 min Scan# 911
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

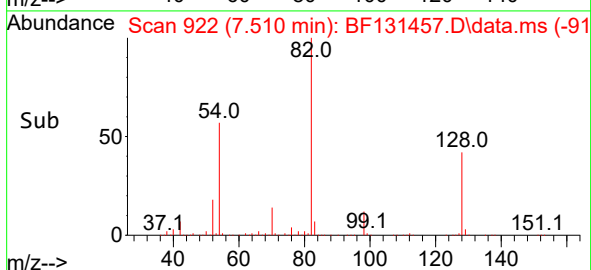
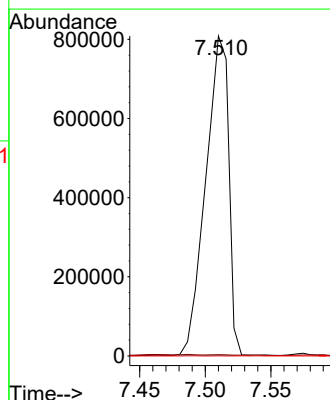
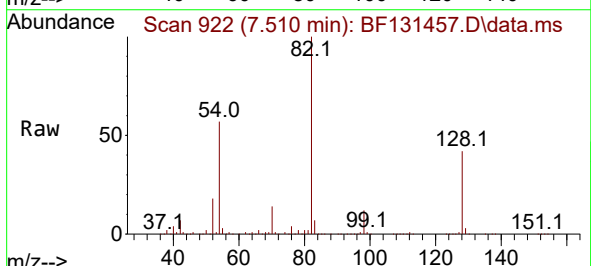
Instrument :
BNA_F
ClientSampleId :
TP-1

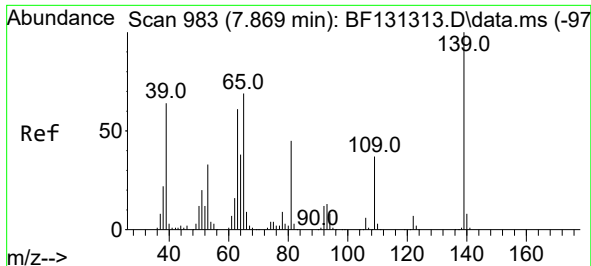
Tgt Ion: 82 Resp: 986010
Ion Ratio Lower Upper
82 100
128 41.9 31.4 47.0
54 56.7 49.8 74.6



#25
Isophorone
Concen: 49.440 ng
RT: 7.510 min Scan# 922
Delta R.T. -0.271 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

Tgt Ion: 82 Resp: 984770
Ion Ratio Lower Upper
82 100
95 0.4 6.2 9.2#
138 0.0 12.7 19.1#

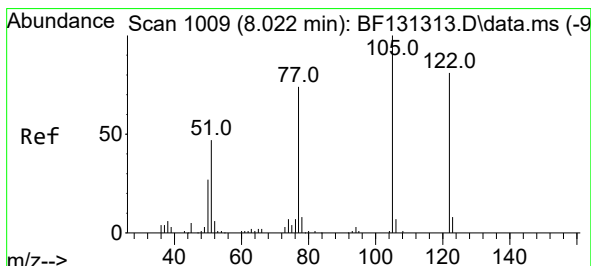
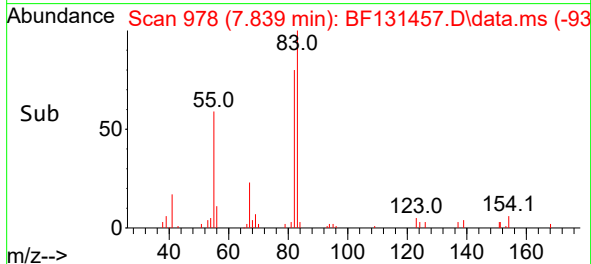
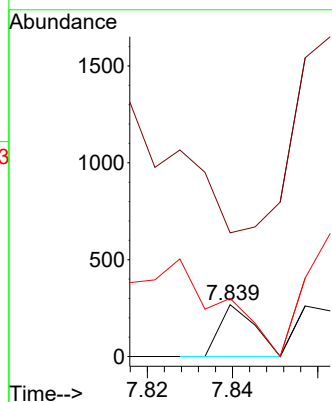
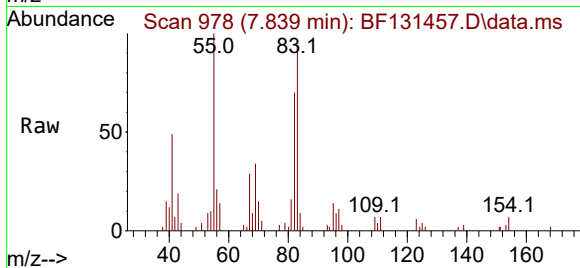




#26
2-Nitrophenol
Concen: 3.623 ng
RT: 7.839 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

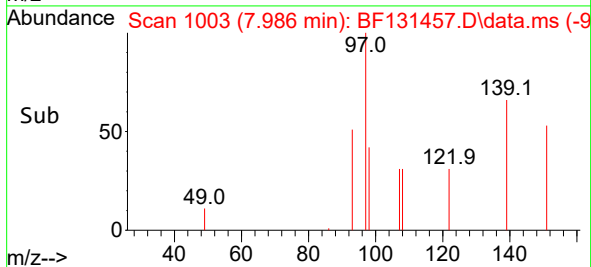
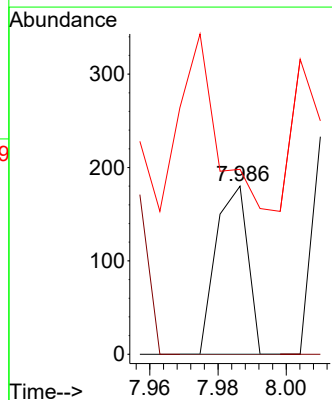
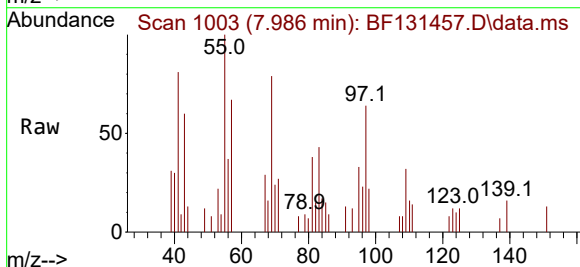
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ClientSampleId :
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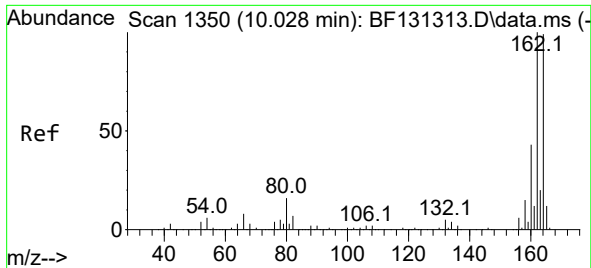
Tgt Ion:139 Resp: 152
Ion Ratio Lower Upper
139 100
109 238.4 29.9 44.9#
65 111.9 55.7 83.5#



#32
Benzoic acid
Concen: 5.155 ng
RT: 7.986 min Scan# 1003
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

Tgt Ion:122 Resp: 116
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 110.0 74.3 114.3

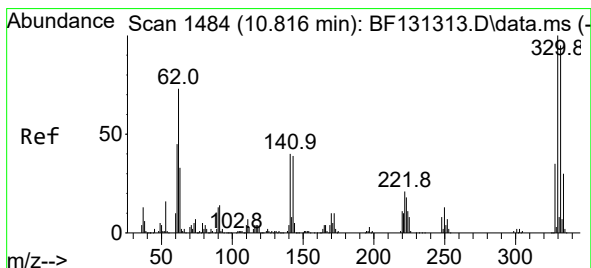
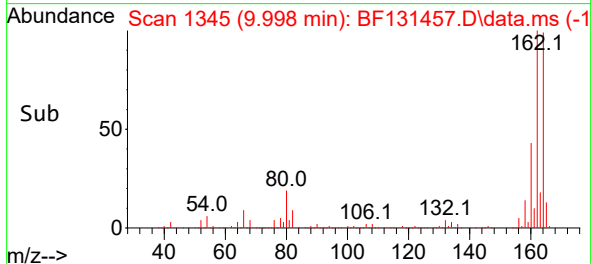
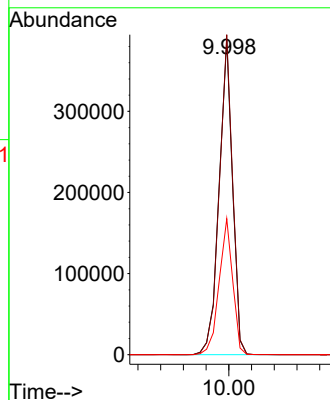
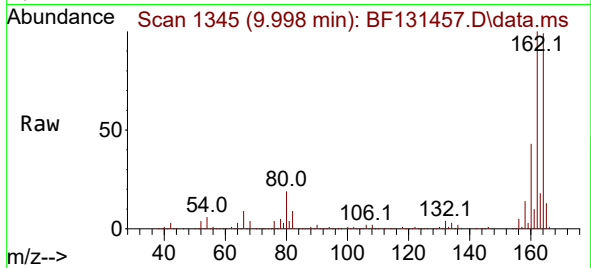




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

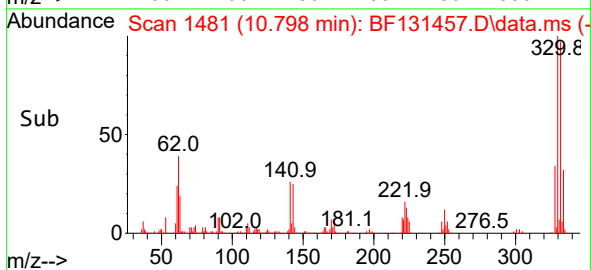
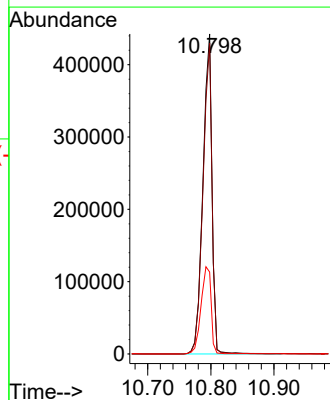
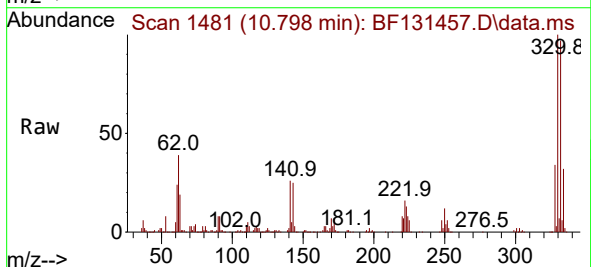
Instrument :
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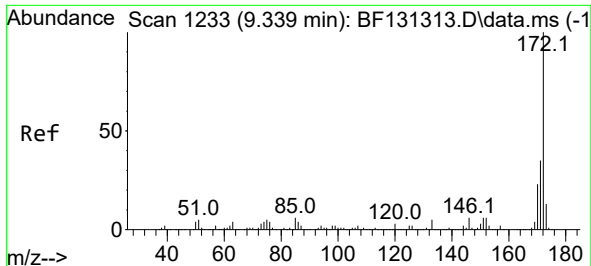
Tgt Ion:164 Resp: 320230
Ion Ratio Lower Upper
164 100
162 101.5 80.6 120.8
160 43.1 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 163.790 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

Tgt Ion:330 Resp: 441270
Ion Ratio Lower Upper
330 100
332 96.5 77.5 116.3
141 30.4 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 77.690 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF131457.D

Acq: 29 Nov 2022 15:25

Instrument :

BNA_F

ClientSampleId :

TP-1

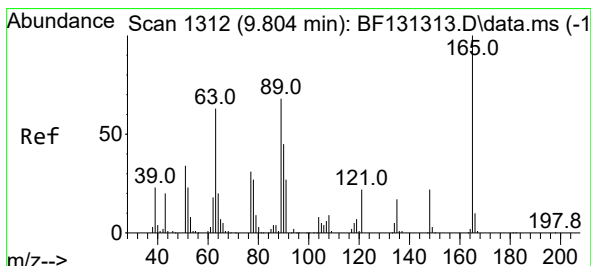
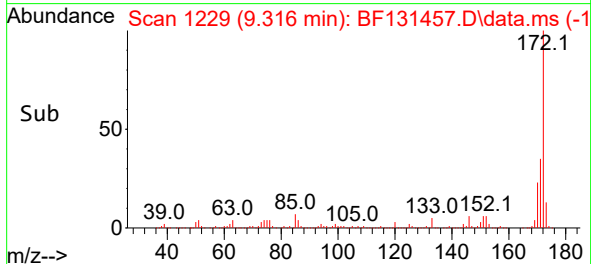
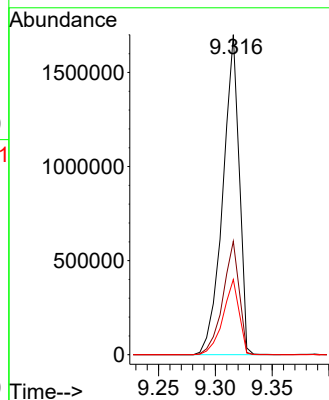
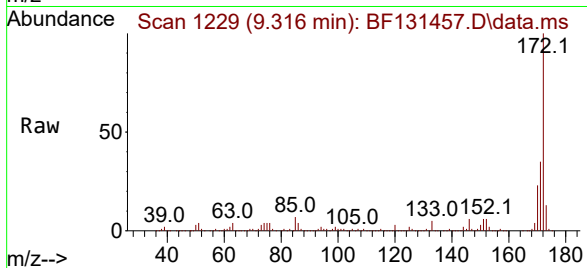
Tgt Ion:172 Resp: 1710089

Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.2

170 23.5 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 9.463 ng

RT: 9.998 min Scan# 1345

Delta R.T. 0.206 min

Lab File: BF131457.D

Acq: 29 Nov 2022 15:25

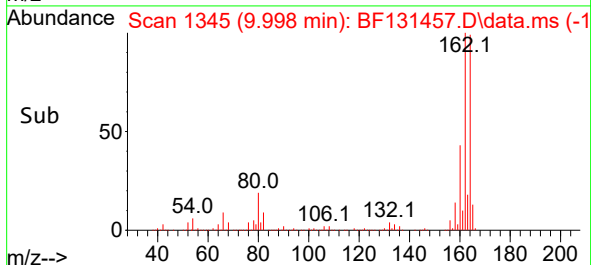
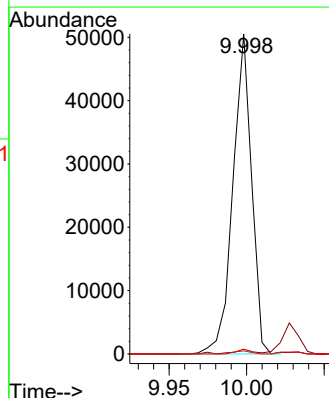
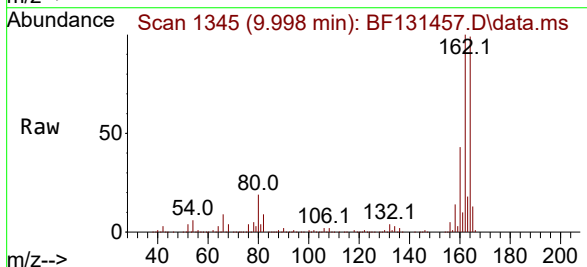
Tgt Ion:165 Resp: 42224

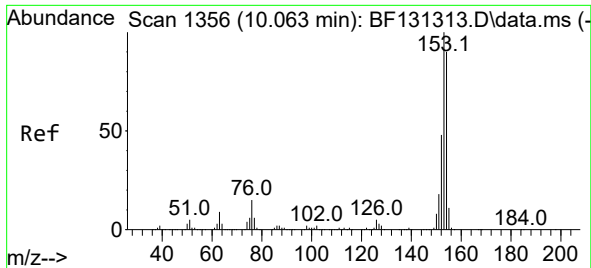
Ion Ratio Lower Upper

165 100

63 1.5 62.0 93.0#

89 1.0 54.4 81.6#

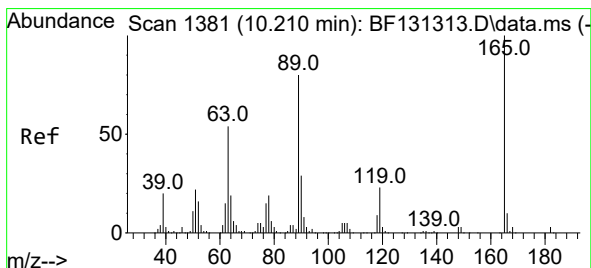
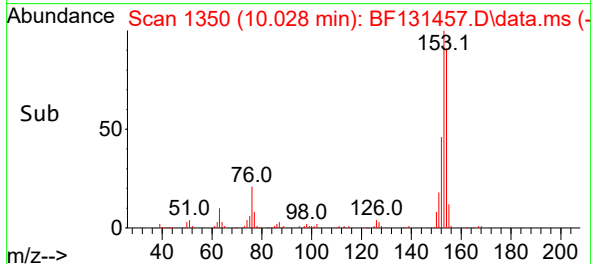
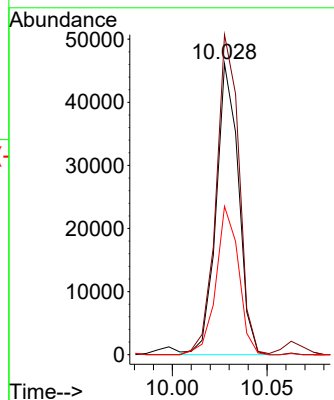
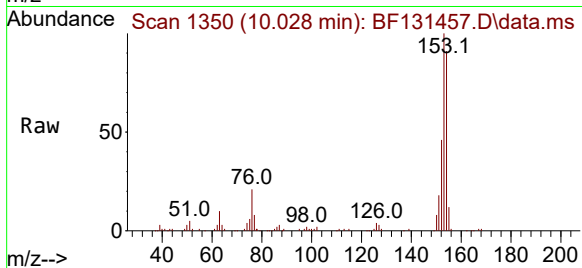




#52
Acenaphthene
Concen: 2.021 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

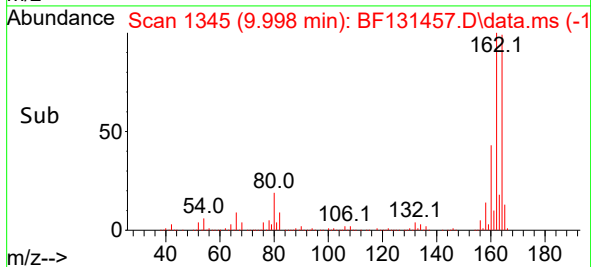
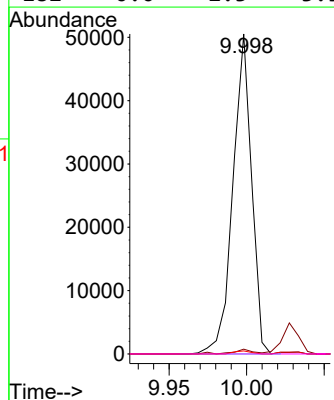
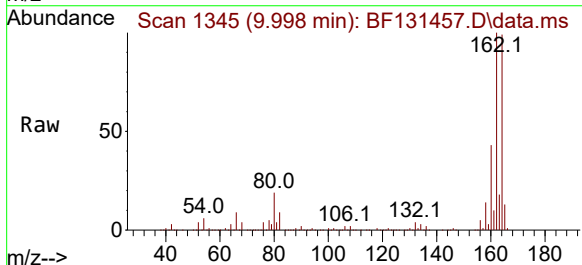
Instrument :
BNA_F
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TP-1

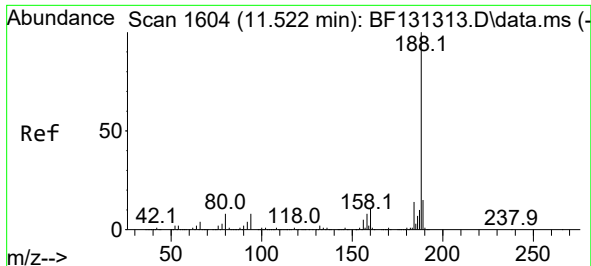
Tgt Ion:154 Resp: 37815
Ion Ratio Lower Upper
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153 110.0 88.4 132.6
152 51.0 42.8 64.2



#57
2,4-Dinitrotoluene
Concen: 7.521 ng
RT: 9.998 min Scan# 1345
Delta R.T. -0.200 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

Tgt Ion:165 Resp: 42224
Ion Ratio Lower Upper
165 100
63 1.5 43.4 65.2#
89 1.0 64.0 96.0#
182 0.0 2.3 3.5#

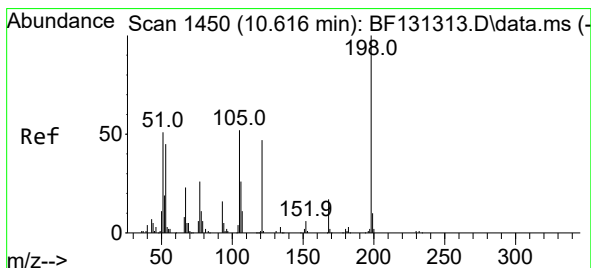
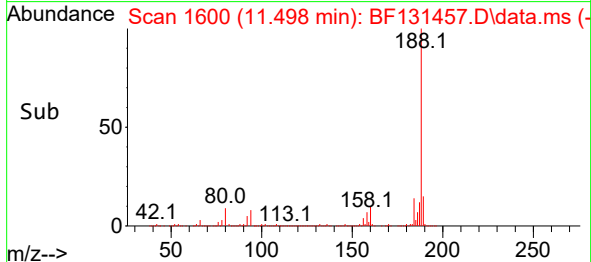
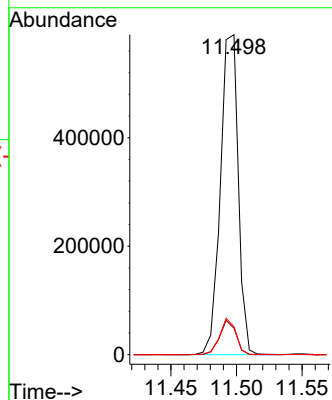
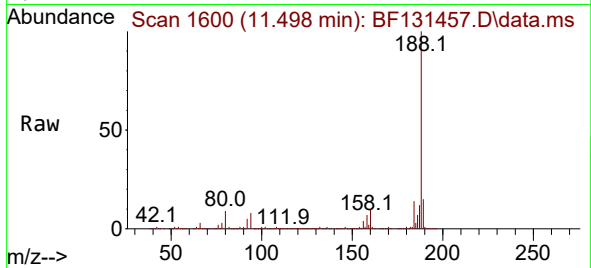




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

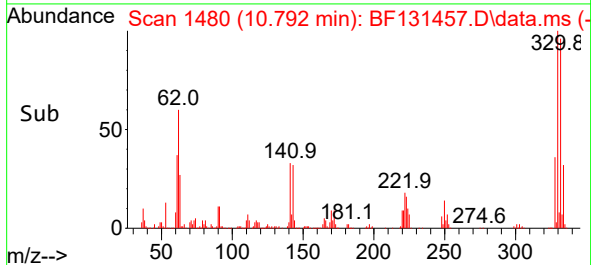
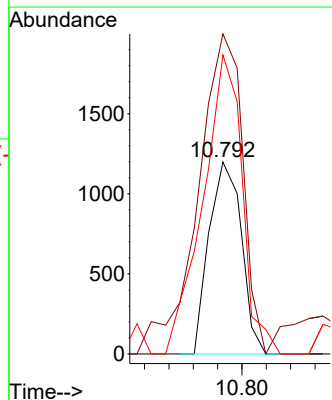
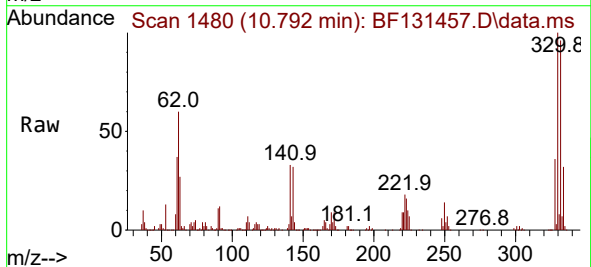
Instrument :
BNA_F
ClientSampleId :
TP-1

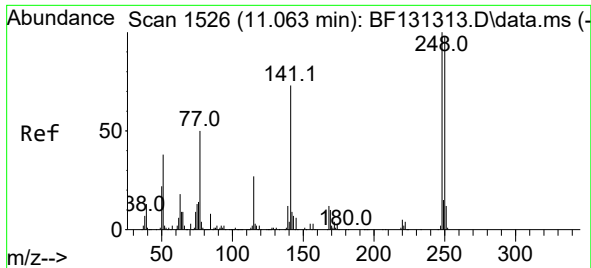
Tgt Ion:188 Resp: 558396
Ion Ratio Lower Upper
188 100
94 8.2 6.3 9.5
80 8.7 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.089 ng
RT: 10.792 min Scan# 1480
Delta R.T. 0.188 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

Tgt Ion:198 Resp: 1102
Ion Ratio Lower Upper
198 100
51 166.8 50.1 90.1#
105 155.8 32.5 72.5#

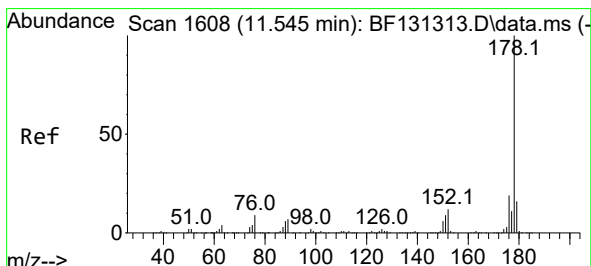
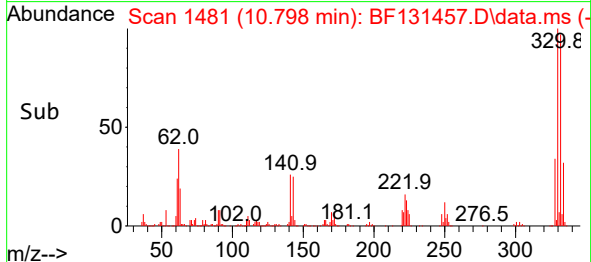
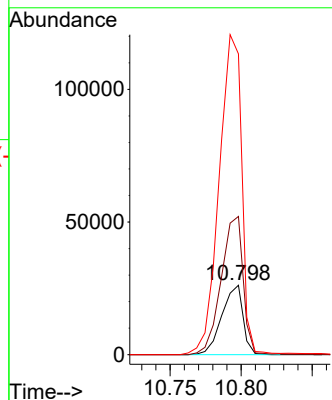
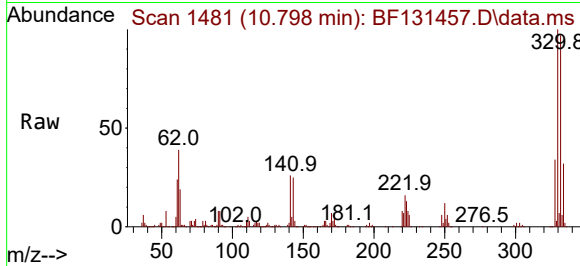




#67
4-Bromophenyl-phenylether
Concen: 3.946 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.247 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

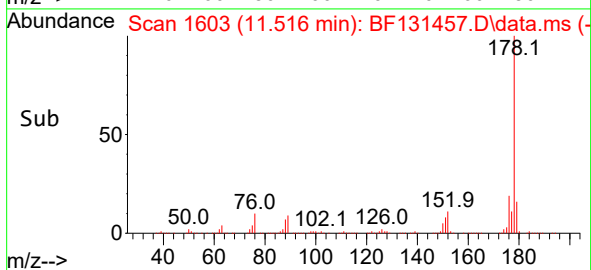
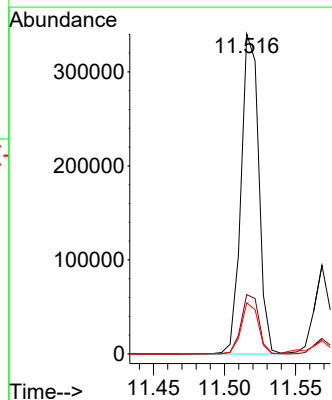
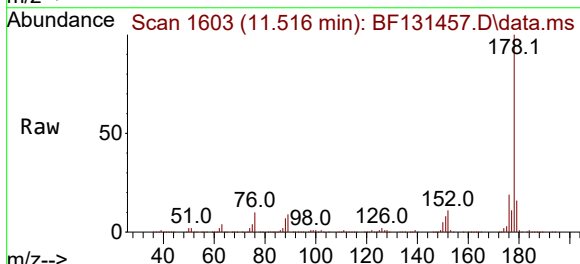
Instrument :
BNA_F
ClientSampleId :
TP-1

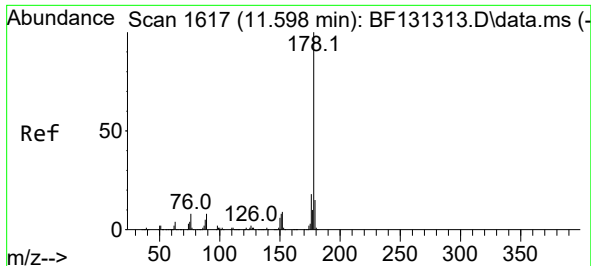
Tgt Ion:248 Resp: 27007
Ion Ratio Lower Upper
248 100
250 199.3 78.3 117.5#
141 433.4 58.0 87.0#



#71
Phenanthrene
Concen: 9.801 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

Tgt Ion:178 Resp: 295757
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 16.0 12.4 18.6

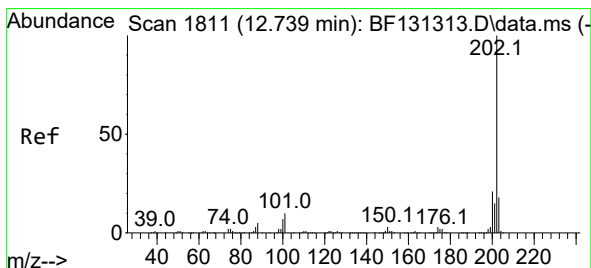
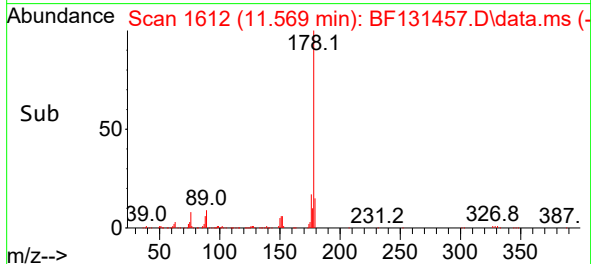
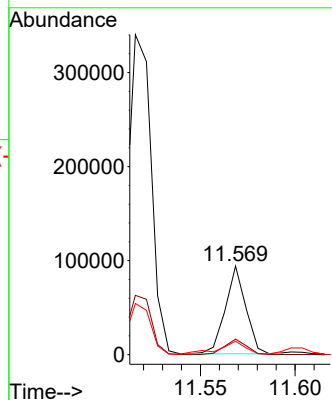
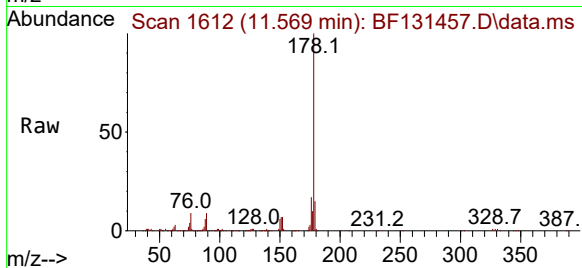




#72
 Anthracene
 Concen: 2.361 ng
 RT: 11.569 min Scan# 1
 Delta R.T. -0.018 min
 Lab File: BF131457.D
 Acq: 29 Nov 2022 15:25

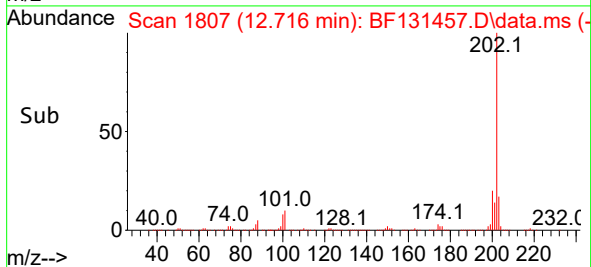
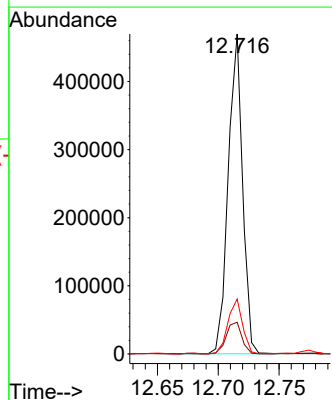
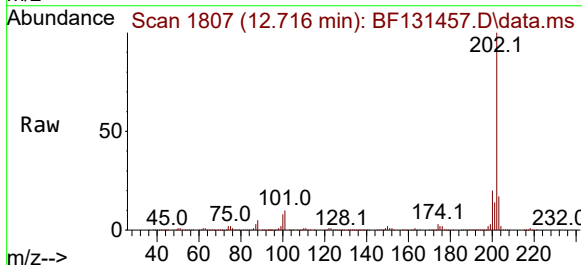
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

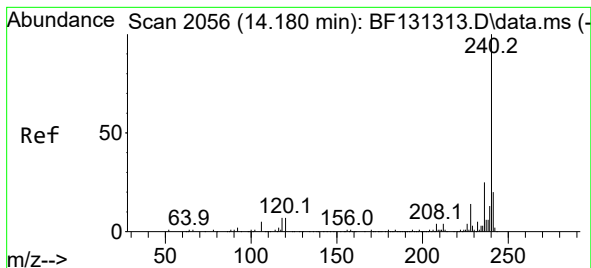
Tgt Ion:178 Resp: 70031
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.7 22.1
 179 15.1 12.2 18.4



#75
 Fluoranthene
 Concen: 12.133 ng
 RT: 12.716 min Scan# 1807
 Delta R.T. -0.012 min
 Lab File: BF131457.D
 Acq: 29 Nov 2022 15:25

Tgt Ion:202 Resp: 385807
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.6
 203 17.2 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.151 min Scan# 2051

Delta R.T. -0.018 min

Lab File: BF131457.D

Acq: 29 Nov 2022 15:25

Instrument :

BNA_F

ClientSampleId :

TP-1

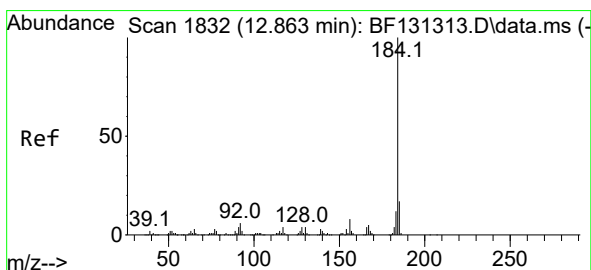
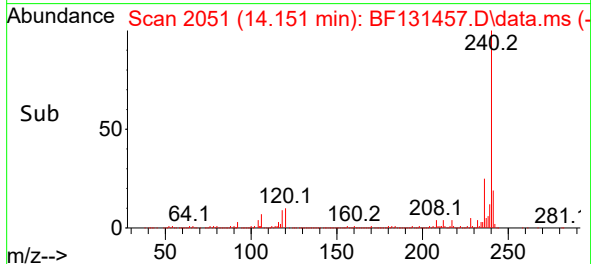
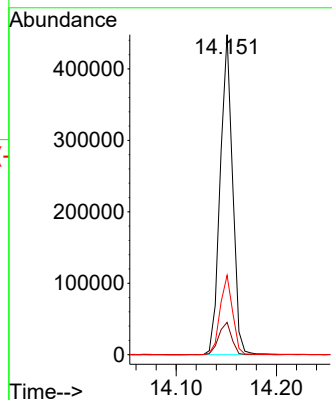
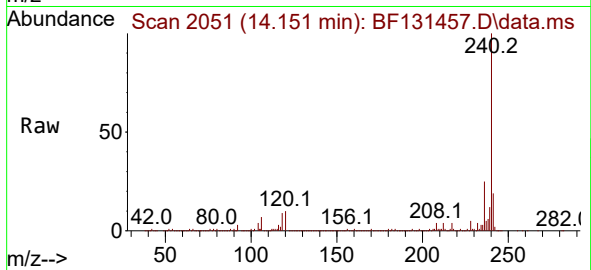
Tgt Ion:240 Resp: 382613

Ion Ratio Lower Upper

240 100

120 10.1 5.8 8.8#

236 24.8 20.3 30.5



#77

Benzidine

Concen: 3.103 ng

RT: 13.092 min Scan# 1871

Delta R.T. 0.241 min

Lab File: BF131457.D

Acq: 29 Nov 2022 15:25

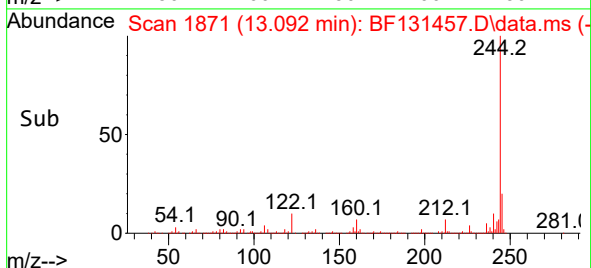
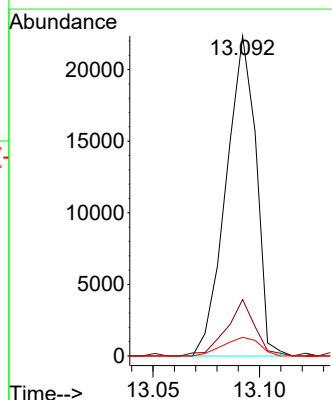
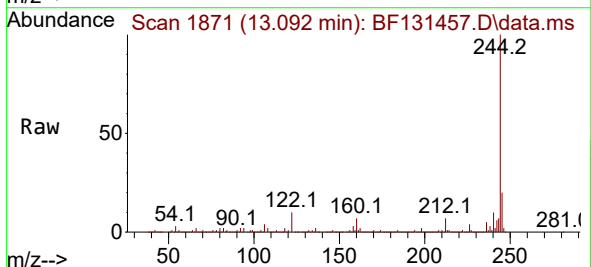
Tgt Ion:184 Resp: 21932

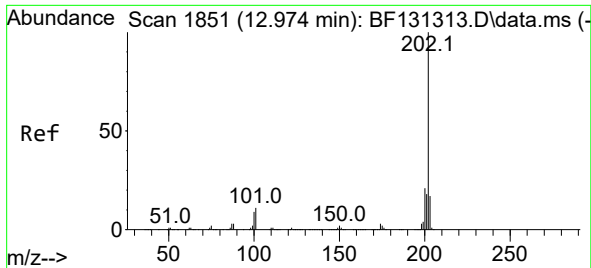
Ion Ratio Lower Upper

184 100

185 17.7 13.8 20.8

183 5.9 9.6 14.4#

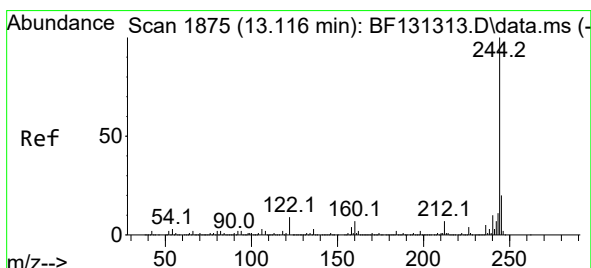
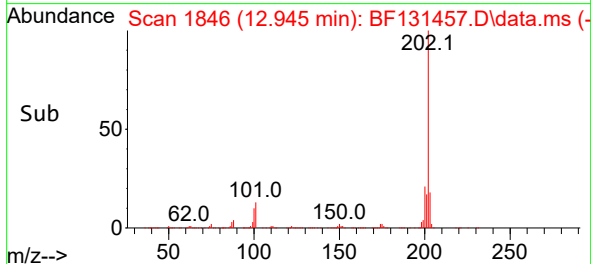
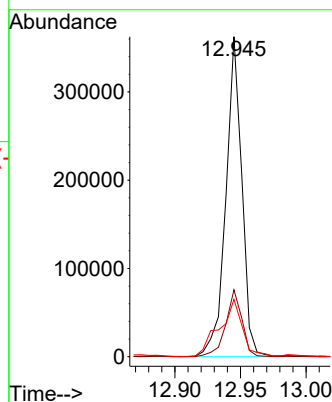
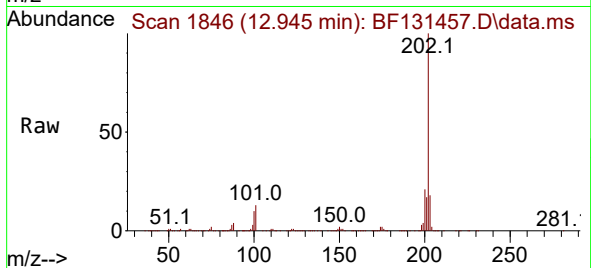




#78
Pyrene
Concen: 9.101 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

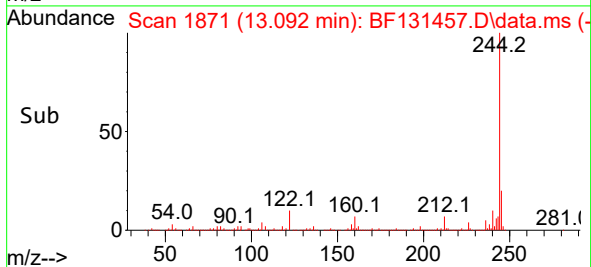
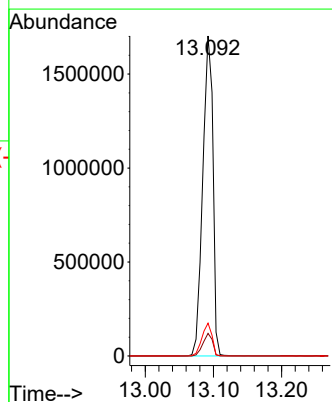
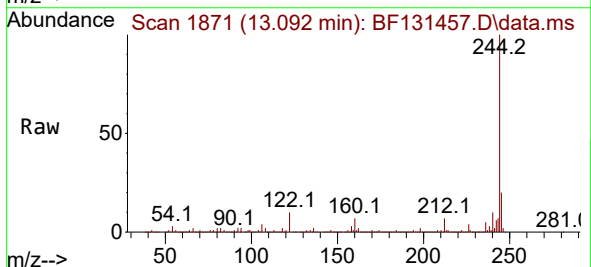
Instrument :
BNA_F
ClientSampleId :
TP-1

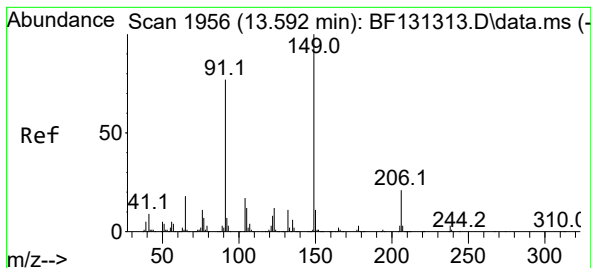
Tgt Ion:202 Resp: 307227
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 17.9 13.9 20.9



#79
Terphenyl-d14
Concen: 75.813 ng
RT: 13.092 min Scan# 1871
Delta R.T. -0.012 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

Tgt Ion:244 Resp: 1773837
Ion Ratio Lower Upper
244 100
212 7.0 5.9 8.9
122 10.3 7.5 11.3





#80

Butylbenzylphthalate

Concen: 4.202 ng

RT: 13.568 min Scan# 1956

Delta R.T. -0.012 min

Lab File: BF131457.D

Acq: 29 Nov 2022 15:25

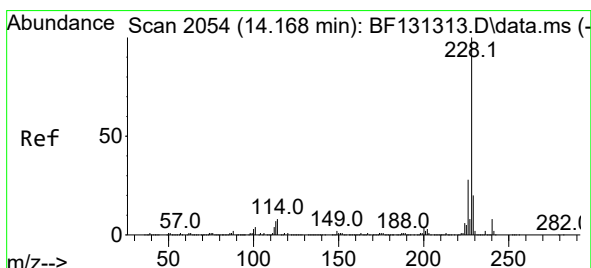
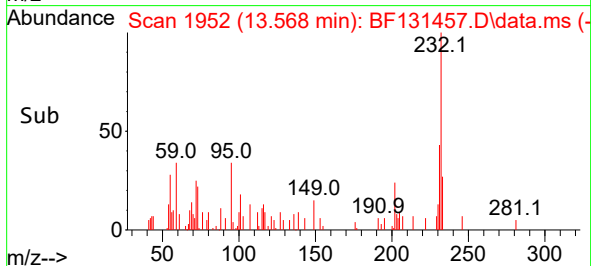
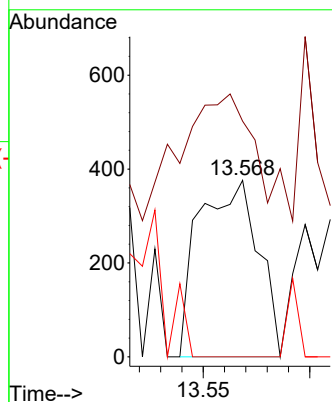
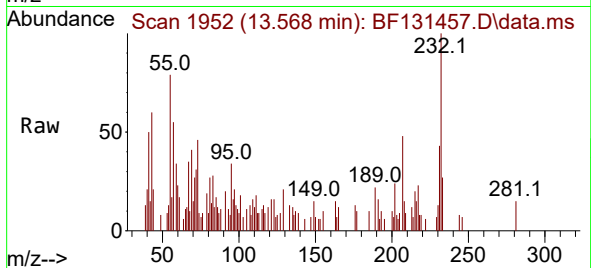
Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:149	Resp:	729
Ion Ratio	Lower	Upper
149	100	
91	133.5	61.9 92.9#
206	0.0	16.5 24.7#



#81

Benzo(a)anthracene

Concen: 5.535 ng

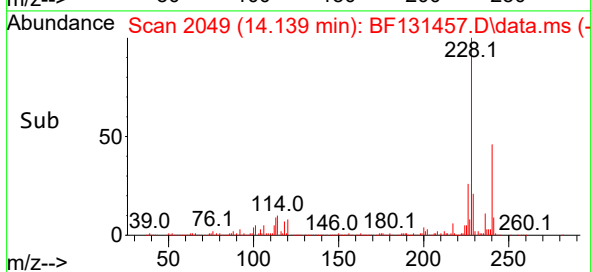
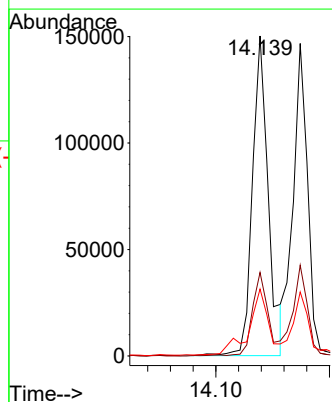
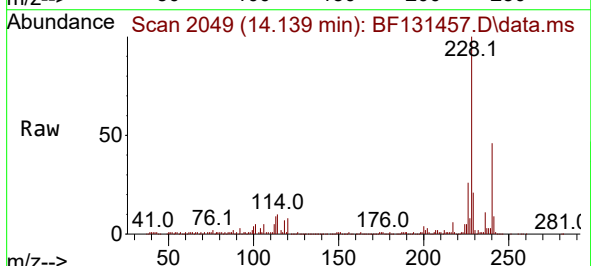
RT: 14.139 min Scan# 2049

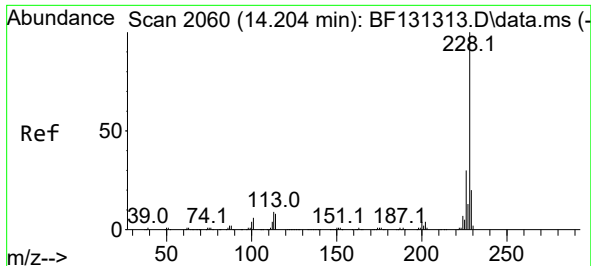
Delta R.T. -0.018 min

Lab File: BF131457.D

Acq: 29 Nov 2022 15:25

Tgt Ion:228	Resp:	145155
Ion Ratio	Lower	Upper
228	100	
226	26.1	22.0 33.0
229	20.9	15.7 23.5

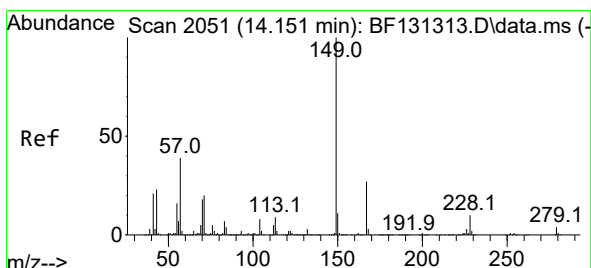
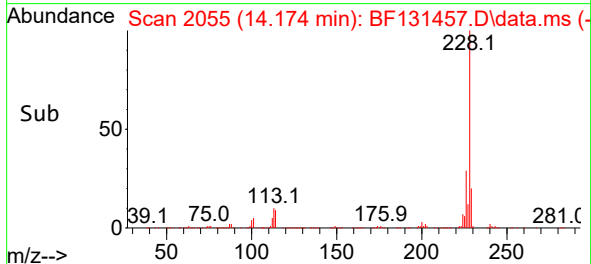
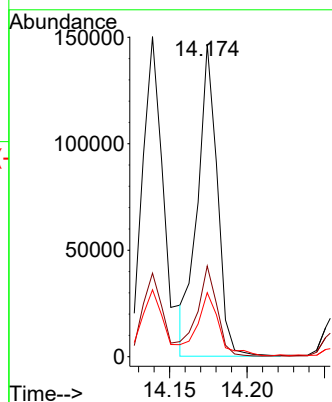
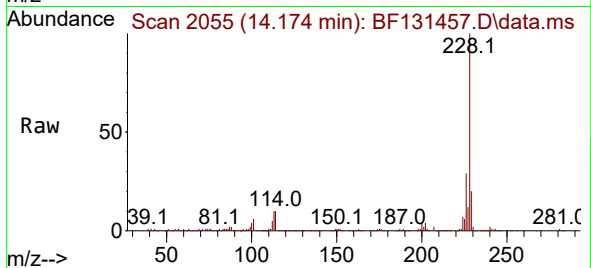




#83
Chrysene
Concen: 5.046 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

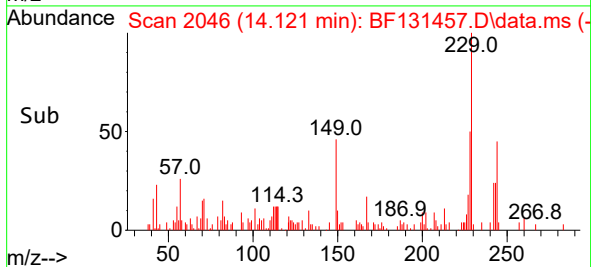
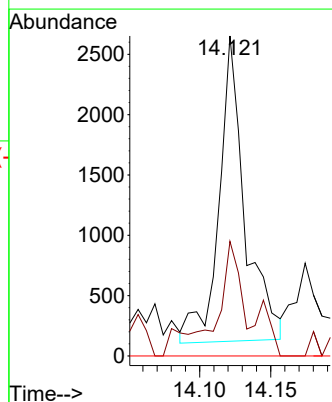
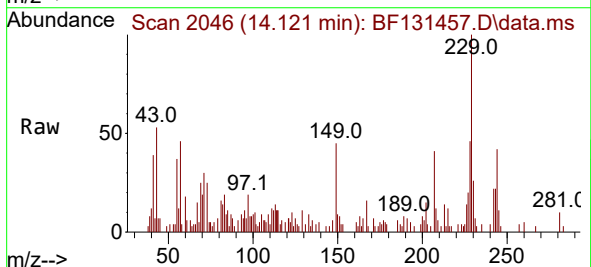
Instrument :
BNA_F
ClientSampleId :
TP-1

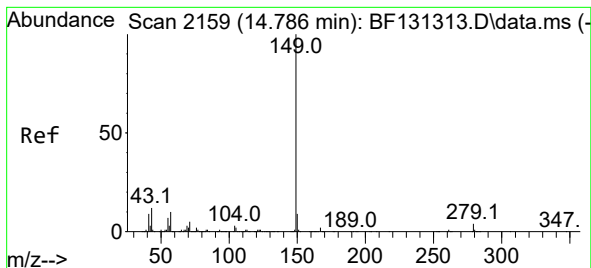
Tgt Ion:228 Resp: 129839
Ion Ratio Lower Upper
228 100
226 29.0 23.7 35.5
229 20.5 16.2 24.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.944 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

Tgt Ion:149 Resp: 3196
Ion Ratio Lower Upper
149 100
167 35.8 21.9 32.9#
279 0.0 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 3.924 ng

RT: 14.739 min Scan# 2151

Delta R.T. -0.024 min

Lab File: BF131457.D

Acq: 29 Nov 2022 15:25

Instrument :

BNA_F

ClientSampleId :

TP-1

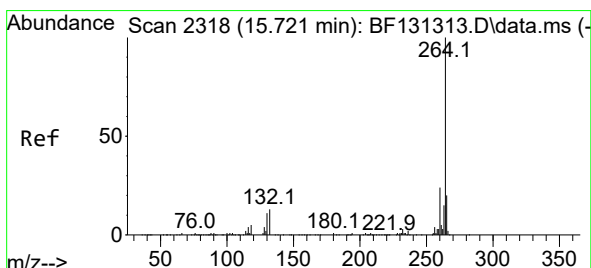
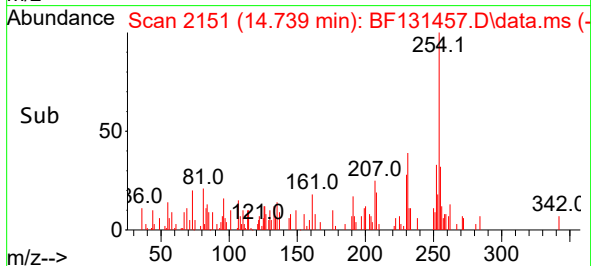
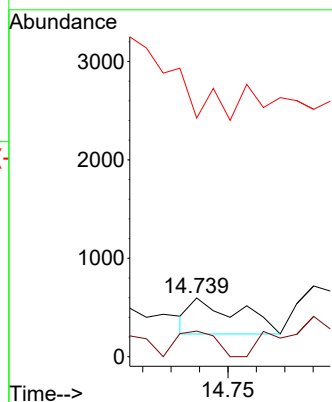
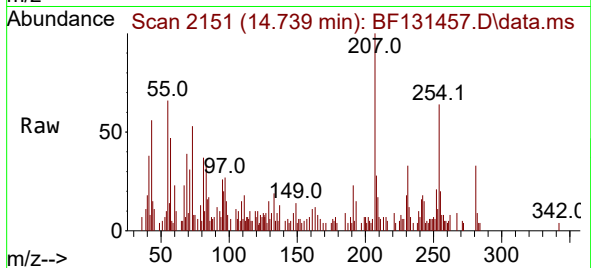
Tgt Ion:149 Resp: 433

Ion Ratio Lower Upper

149 100

167 57.5 1.2 1.8#

43 0.0 10.7 16.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.686 min Scan# 2312

Delta R.T. -0.012 min

Lab File: BF131457.D

Acq: 29 Nov 2022 15:25

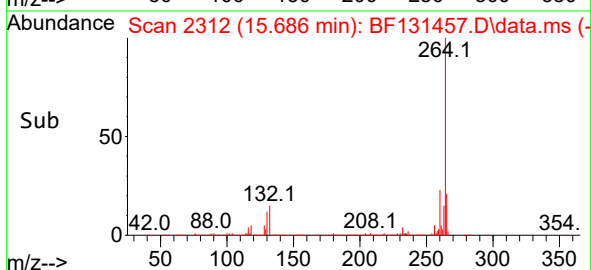
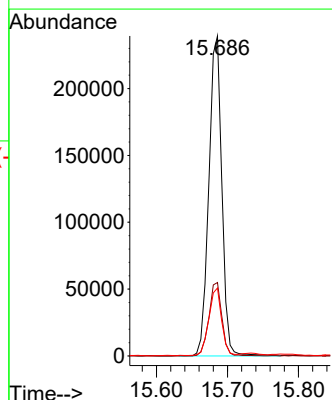
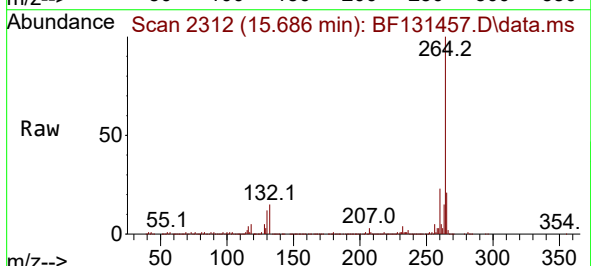
Tgt Ion:264 Resp: 305393

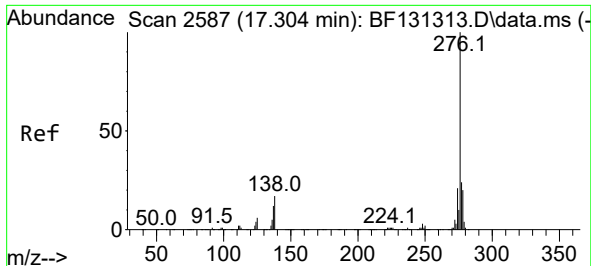
Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.4

265 21.2 16.4 24.6

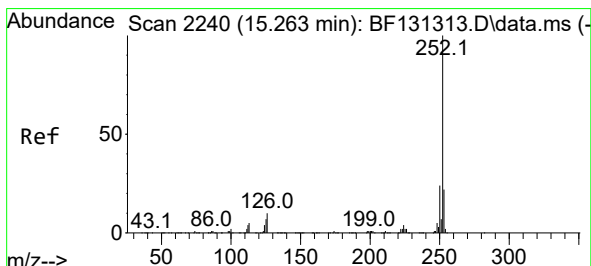
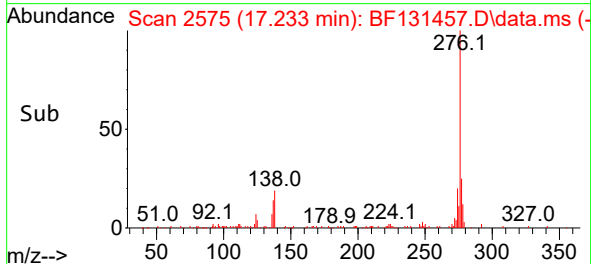
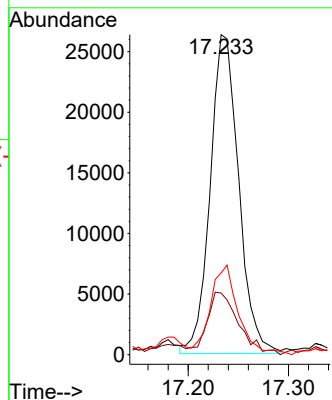
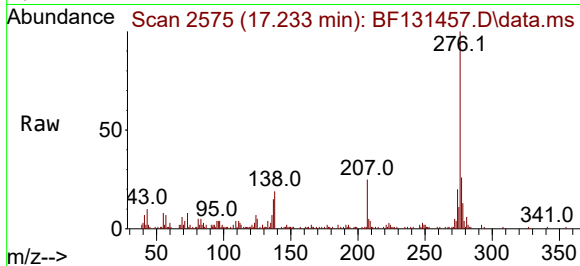




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.534 ng
RT: 17.233 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

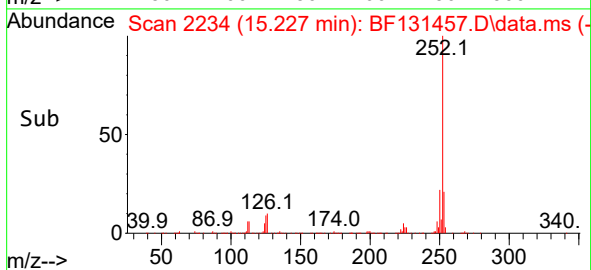
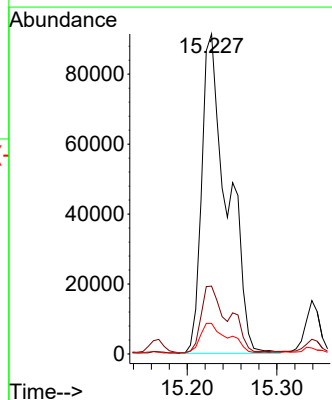
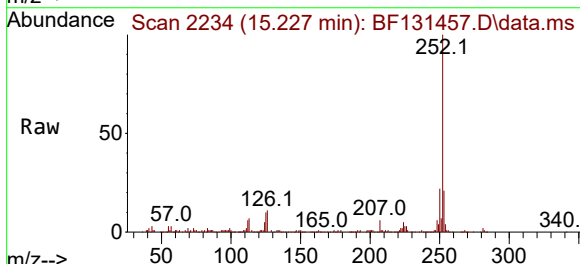
Instrument :
BNA_F
ClientSampleId :
TP-1

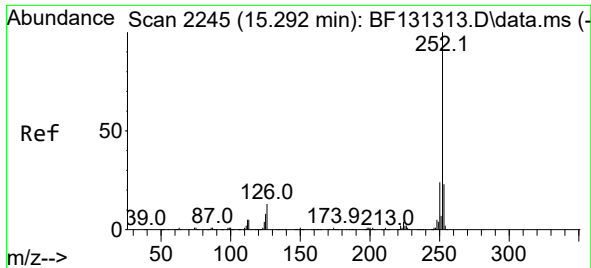
Tgt Ion:276 Resp: 51968
Ion Ratio Lower Upper
276 100
138 21.8 15.8 23.6
277 27.5 20.3 30.5



#88
Benzo(b)fluoranthene
Concen: 8.925 ng
RT: 15.227 min Scan# 2234
Delta R.T. -0.018 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

Tgt Ion:252 Resp: 181061
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 9.5 5.8 8.6#

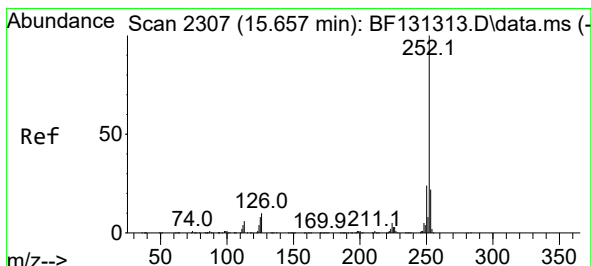
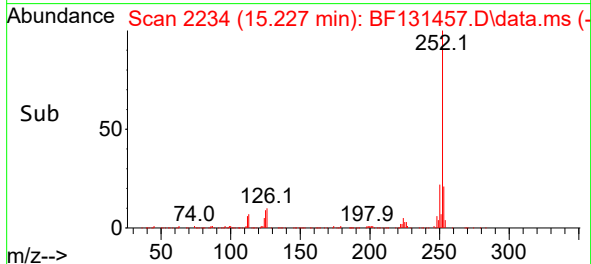
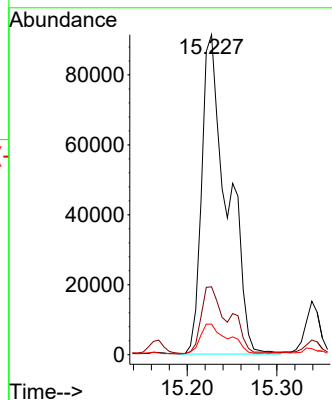
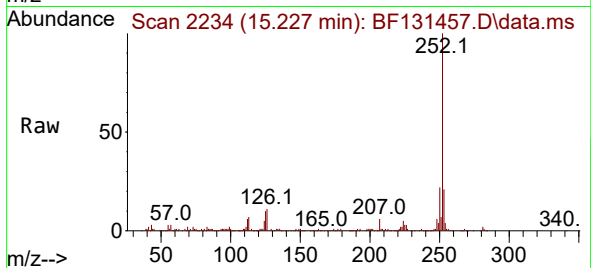




#89
Benzo(k)fluoranthene
Concen: 8.684 ng
RT: 15.227 min Scan# 21
Delta R.T. -0.053 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

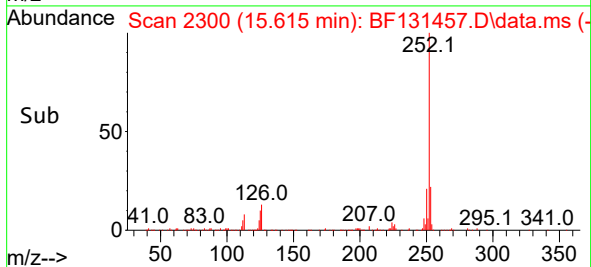
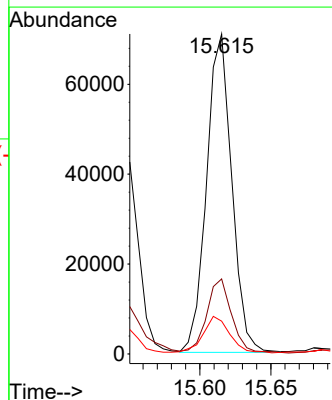
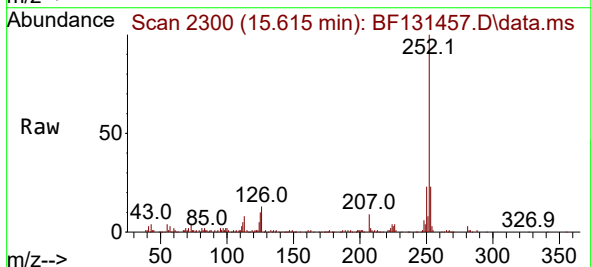
Instrument :
BNA_F
ClientSampleId :
TP-1

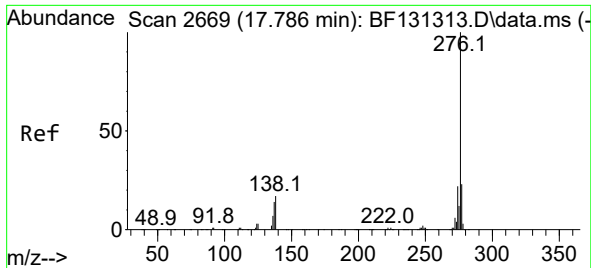
Tgt Ion:252 Resp: 181061
Ion Ratio Lower Upper
252 100
253 21.2 17.9 26.9
125 9.5 6.6 10.0



#90
Benzo(a)pyrene
Concen: 5.263 ng
RT: 15.615 min Scan# 2300
Delta R.T. -0.024 min
Lab File: BF131457.D
Acq: 29 Nov 2022 15:25

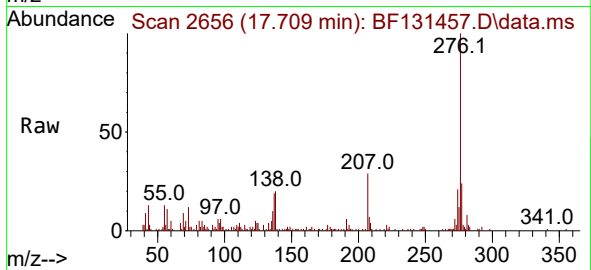
Tgt Ion:252 Resp: 87612
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 10.3 6.1 9.1#





#92
 Benzo(g,h,i)perylene
 Concen: 2.758 ng
 RT: 17.709 min Scan# 20
 Delta R.T. -0.047 min
 Lab File: BF131457.D
 Acq: 29 Nov 2022 15:25

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



Tgt Ion: 276 Resp: 46617

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.3	27.5
138	20.1	13.8	20.6

