

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061724\
 Data File : BF138216.D
 Acq On : 17 Jun 2024 20:55
 Operator : CG\JU
 Sample : P2847-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-PE4

Quant Time: Jun 18 00:55:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

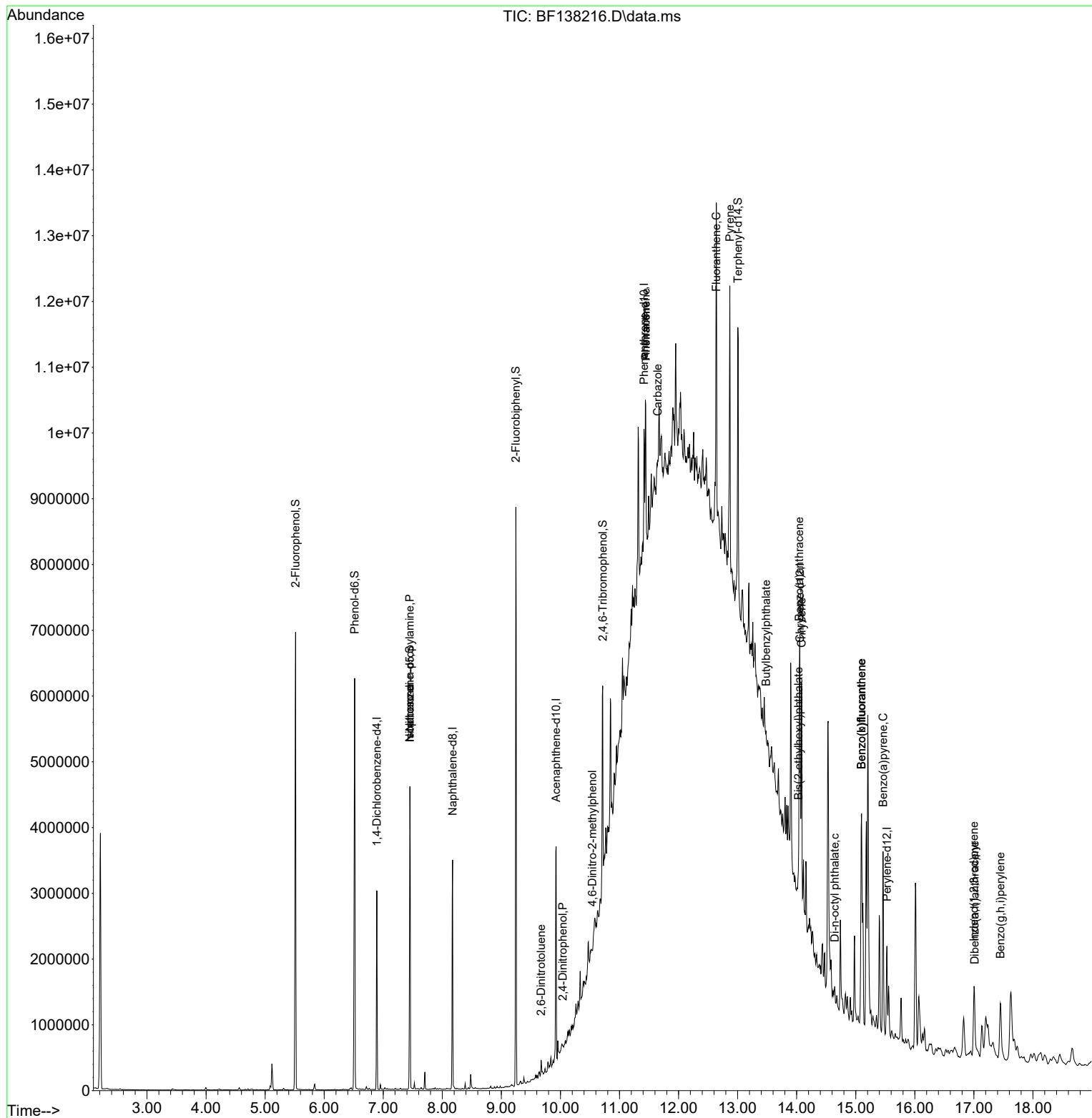
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	390833	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1445986	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	667989	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	791371	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	693853	20.000	ng	0.00
86) Perylene-d12	15.527	264	628450	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1933563	82.760	ng	0.00
7) Phenol-d6	6.516	99	2420559	81.704	ng	0.00
23) Nitrobenzene-d5	7.451	82	1488566	59.931	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	440716	66.273	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2587899	61.605	ng	0.00
79) Terphenyl-d14	13.004	244	1883968	43.005	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	196858	11.210	ng	# 79
25) Isophorone	7.451	82	1481554	32.977	ng	# 62
51) 2,6-Dinitrotoluene	9.675	165	21492	2.421	ng	# 28
54) 2,4-Dinitrophenol	10.039	184	59	4.222	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.539	198	181	6.973	ng	# 1
71) Phenanthrene	11.445	178	1036072	26.474	ng	97
72) Anthracene	11.445	178	1036072	26.664	ng	97
73) Carbazole	11.645	167	77382	2.171	ng	# 52
75) Fluoranthene	12.639	202	2464775	61.762	ng	99
78) Pyrene	12.868	202	2173656	36.319	ng	99
80) Butylbenzylphthalate	13.480	149	33517	2.059	ng	# 62
81) Benzo(a)anthracene	14.045	228	1425587	32.025	ng	98
83) Chrysene	14.086	228	1529329	36.044	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	80360	4.244	ng	# 99
85) Di-n-octyl phthalate	14.645	149	80518	2.863	ng	# 77
87) Indeno(1,2,3-cd)pyrene	17.003	276	760725	18.568	ng	95
88) Benzo(b)fluoranthene	15.098	252	2564210	69.190	ng	# 97
89) Benzo(k)fluoranthene	15.098	252	2564210	70.600	ng	# 97
90) Benzo(a)pyrene	15.462	252	1113416	34.971	ng	# 97
91) Dibenzo(a,h)anthracene	17.015	278	181424	5.395	ng	97
92) Benzo(g,h,i)perylene	17.450	276	722643	20.773	ng	97

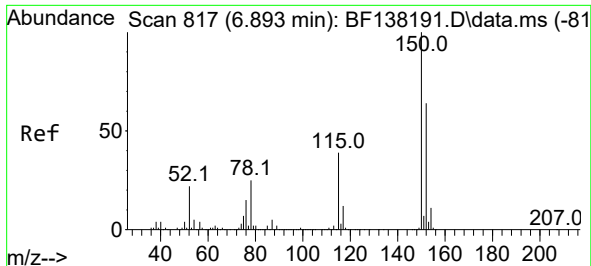
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061724\
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BNA_F
ClientSampleId :
EXT-PE4

Quant Time: Jun 18 00:55:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

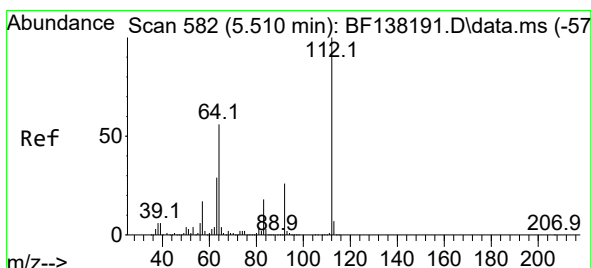
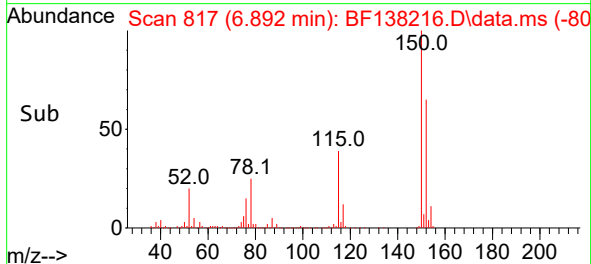
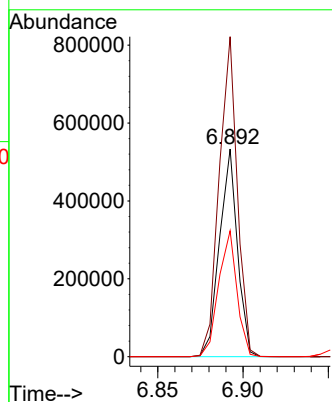
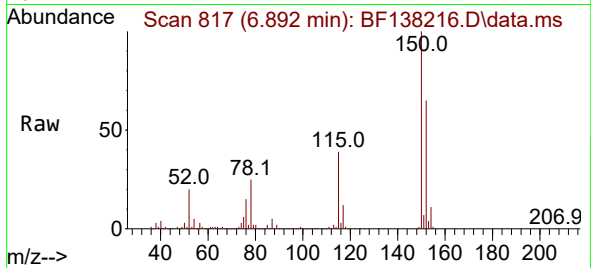




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

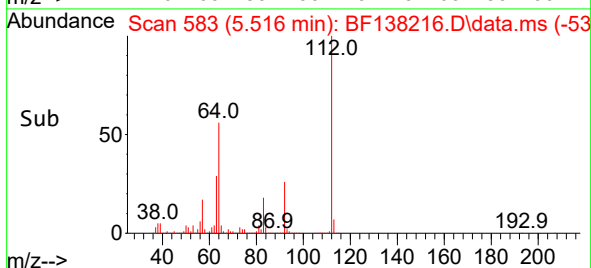
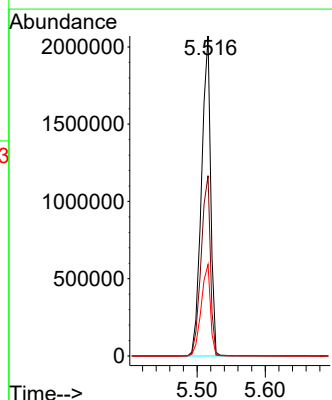
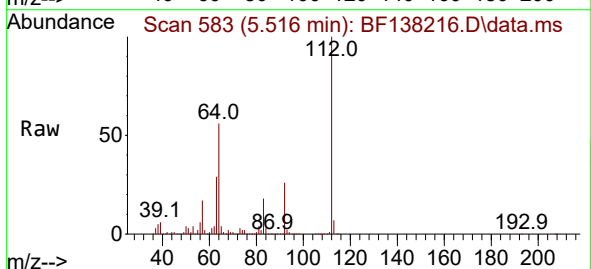
Instrument :
BNA_F
ClientSampleId :
EXT-PE4

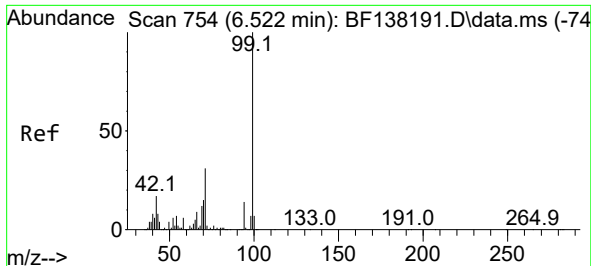
Tgt Ion:152 Resp: 390833
Ion Ratio Lower Upper
152 100
150 154.1 125.0 187.4
115 60.6 48.4 72.6



#5
2-Fluorophenol
Concen: 82.760 ng
RT: 5.516 min Scan# 583
Delta R.T. 0.006 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

Tgt Ion:112 Resp: 1933563
Ion Ratio Lower Upper
112 100
64 56.4 45.2 67.8
63 28.6 22.9 34.3

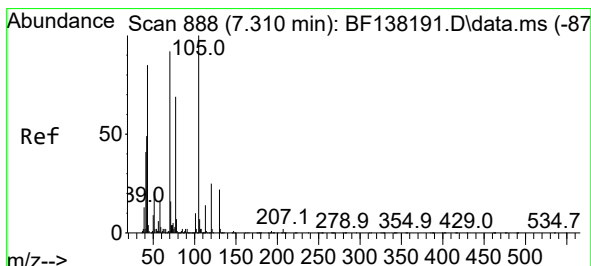
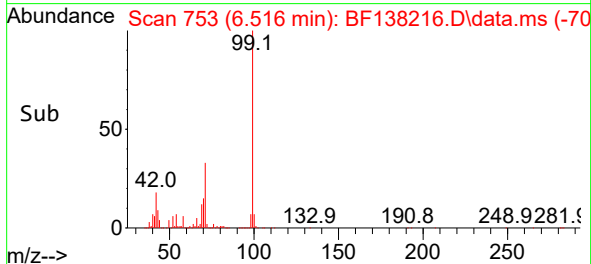
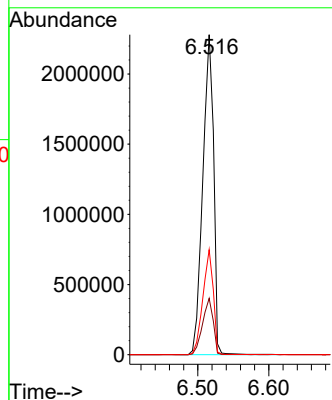
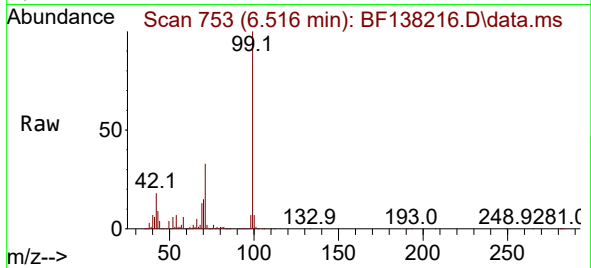




#7
Phenol-d6
Concen: 81.704 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

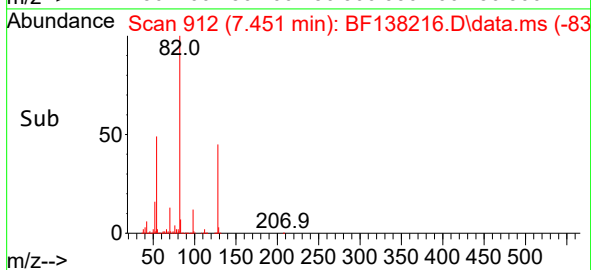
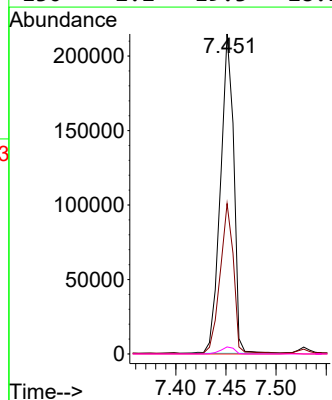
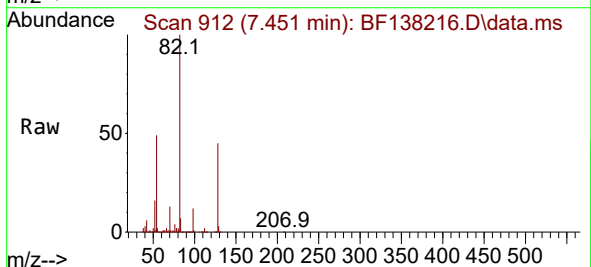
Instrument :
BNA_F
ClientSampleId :
EXT-PE4

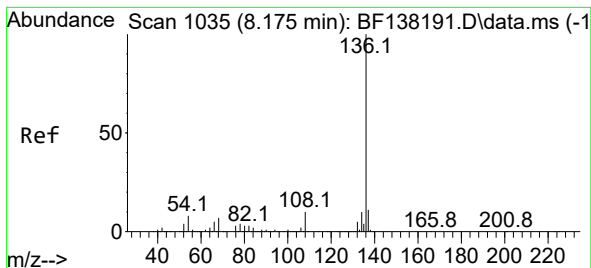
Tgt Ion: 99 Resp: 2420559
Ion Ratio Lower Upper
99 100
42 17.6 13.7 20.5
71 32.8 25.0 37.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.210 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

Tgt Ion: 70 Resp: 196858
Ion Ratio Lower Upper
70 100
42 47.0 42.8 64.2
101 0.0 8.4 12.6#
130 2.2 19.3 28.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1035

Delta R.T. -0.000 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

Tgt Ion:136 Resp: 1445986

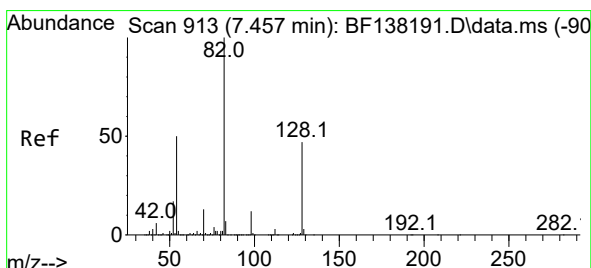
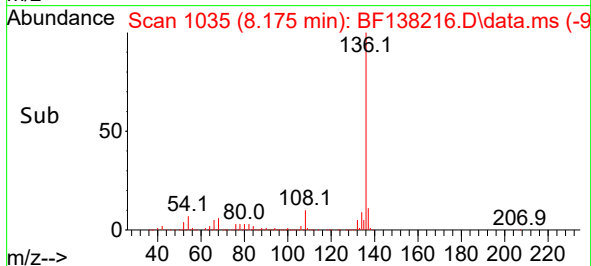
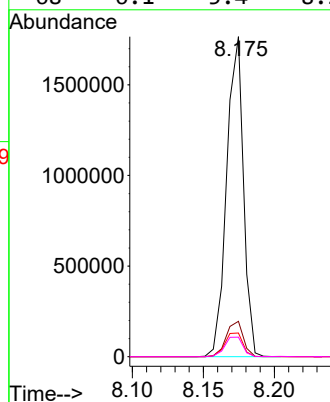
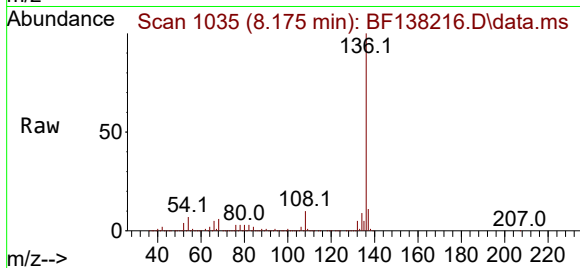
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 7.4 6.6 10.0

68 6.1 5.4 8.2



#23

Nitrobenzene-d5

Concen: 59.931 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

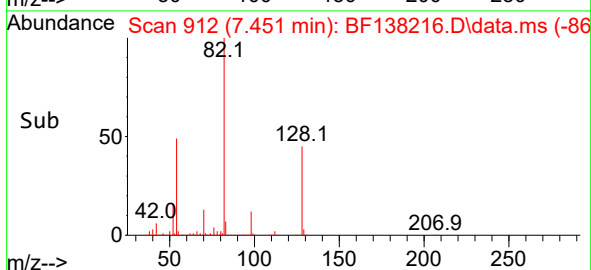
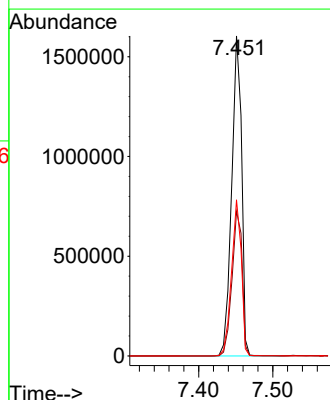
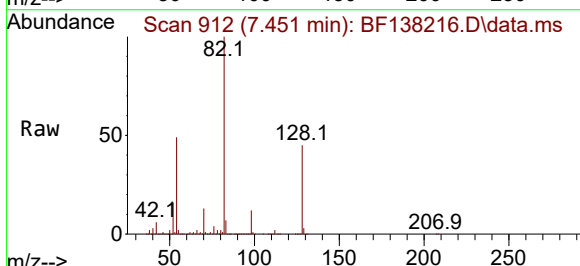
Tgt Ion: 82 Resp: 1488566

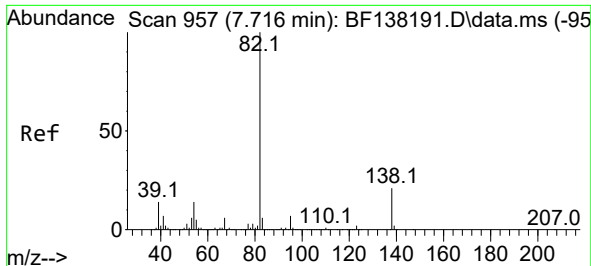
Ion Ratio Lower Upper

82 100

128 45.2 37.2 55.8

54 48.8 39.8 59.6

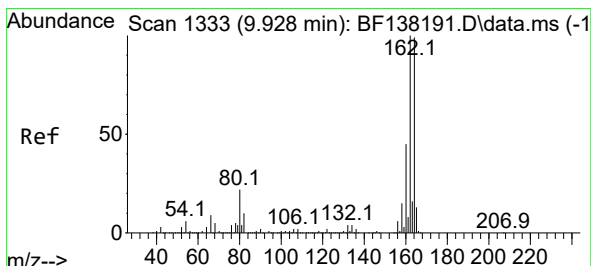
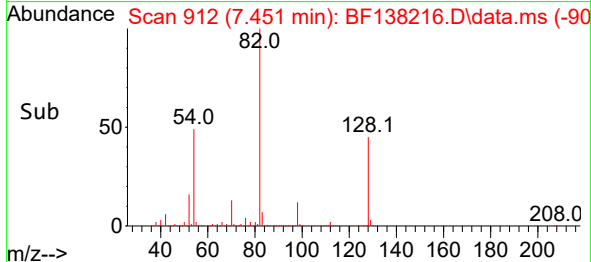
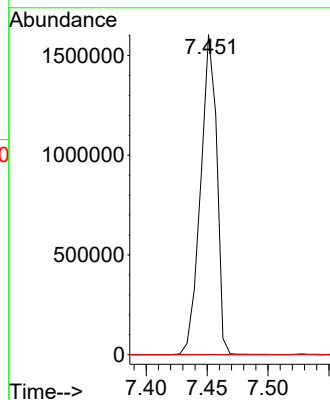
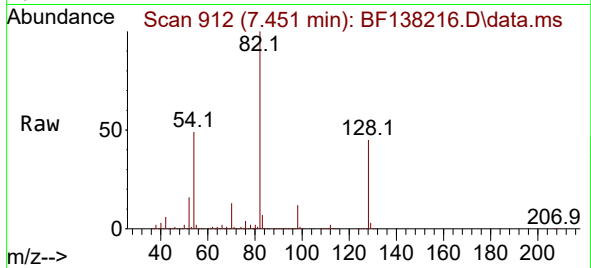




#25
Isophorone
Concen: 32.977 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

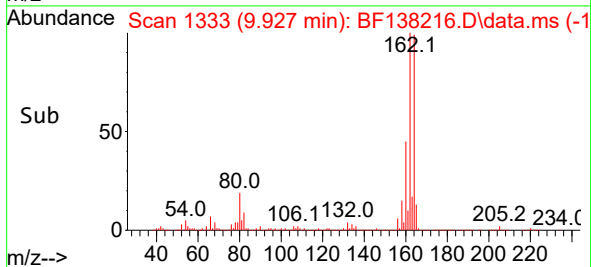
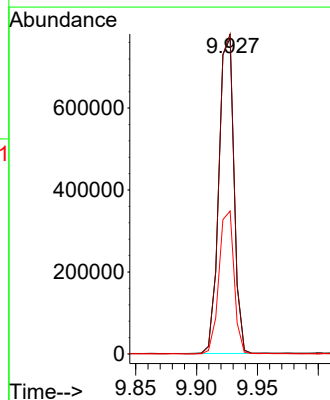
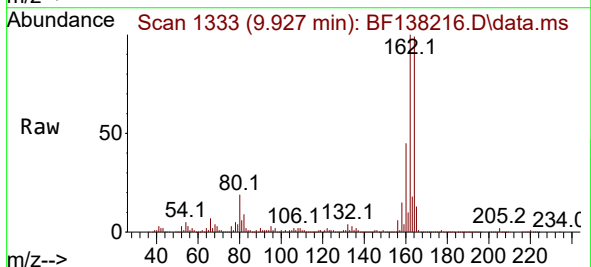
Instrument :
BNA_F
ClientSampleId :
EXT-PE4

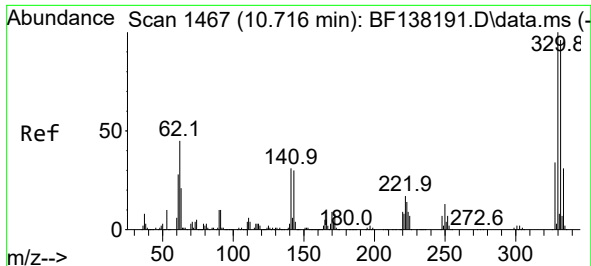
Tgt Ion: 82 Resp: 1481554
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 16.4 24.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

Tgt Ion:164 Resp: 667989
Ion Ratio Lower Upper
164 100
162 101.3 80.6 121.0
160 45.2 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 66.273 ng

RT: 10.716 min Scan# 1467

Delta R.T. -0.000 min

Lab File: BF138216.D

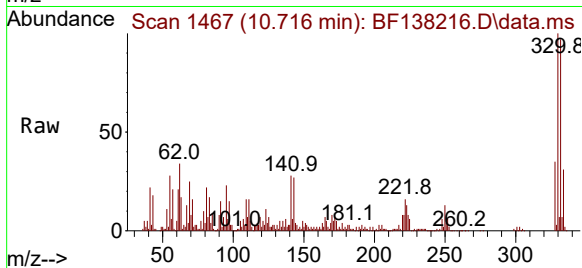
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Instrument :

BNA_F

ClientSampleId :

EXT-PE4



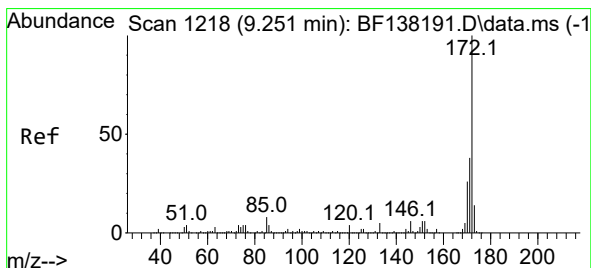
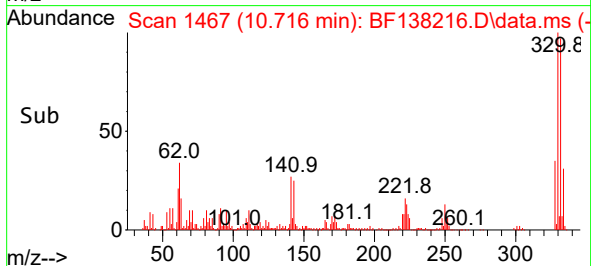
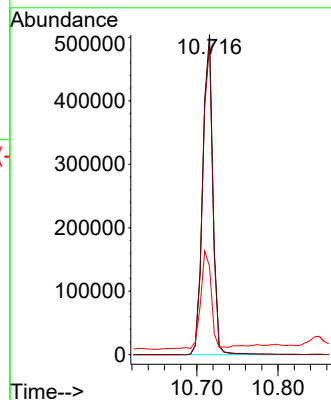
Tgt Ion:330 Resp: 440716

Ion Ratio Lower Upper

330 100

332 97.0 76.6 115.0

141 32.5 23.9 35.9



#45

2-Fluorobiphenyl

Concen: 61.605 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

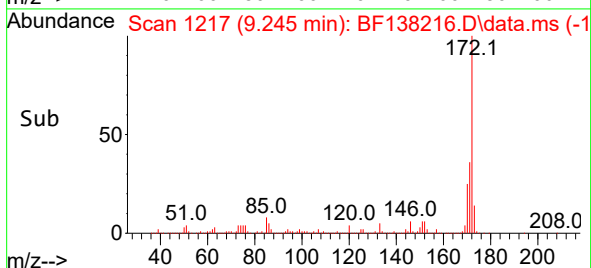
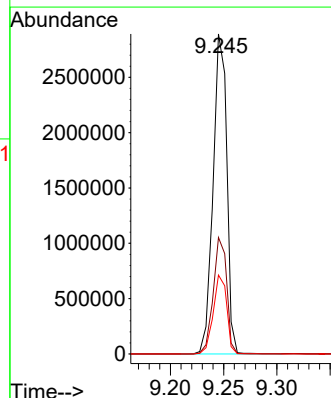
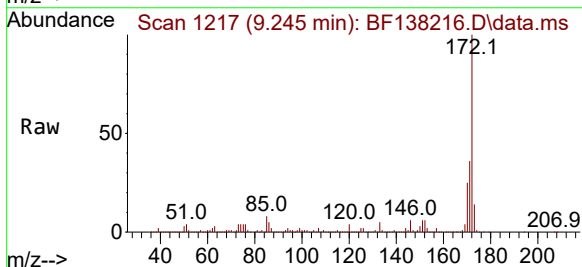
Tgt Ion:172 Resp: 2587899

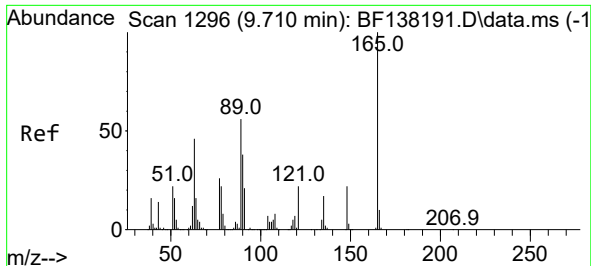
Ion Ratio Lower Upper

172 100

171 36.4 30.3 45.5

170 24.7 20.6 30.8

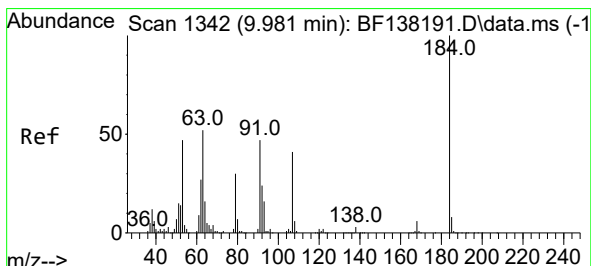
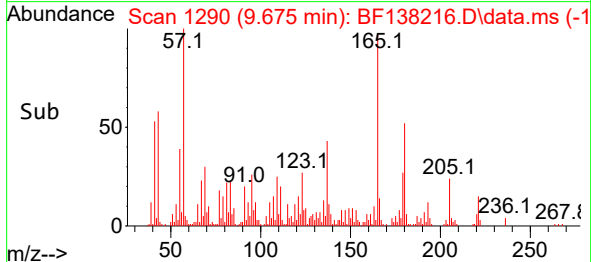
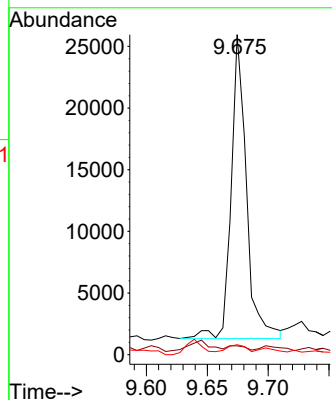
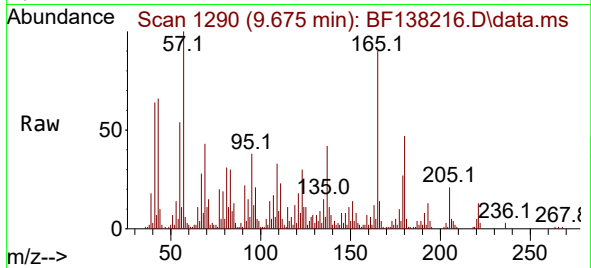




#51
2,6-Dinitrotoluene
Concen: 2.421 ng
RT: 9.675 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

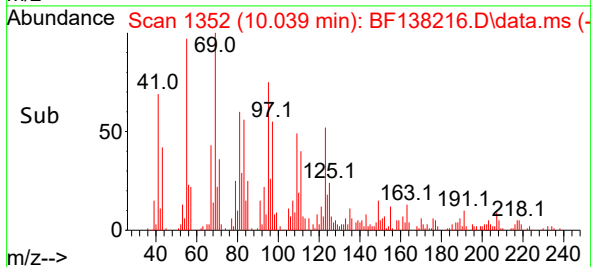
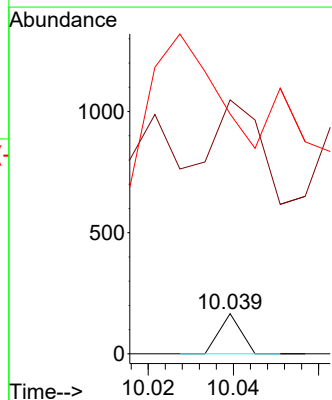
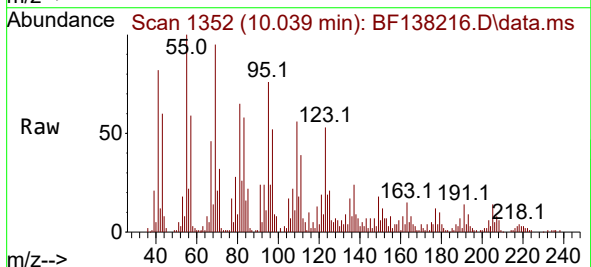
Instrument :
BNA_F
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EXT-PE4

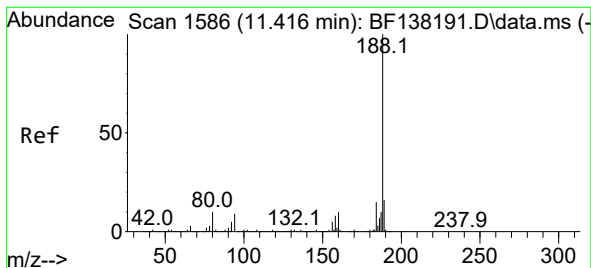
Tgt Ion:165 Resp: 21492
Ion Ratio Lower Upper
165 100
63 2.7 43.7 65.5#
89 3.1 44.9 67.3#



#54
2,4-Dinitrophenol
Concen: 4.222 ng
RT: 10.039 min Scan# 1352
Delta R.T. 0.058 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 631.3 49.2 73.8#
154 596.4 46.7 70.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

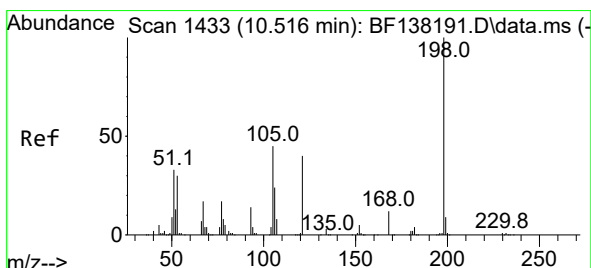
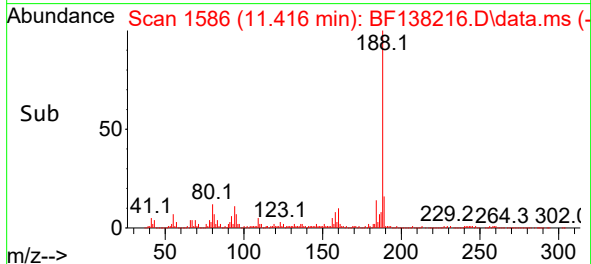
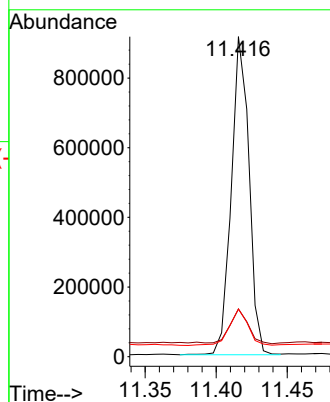
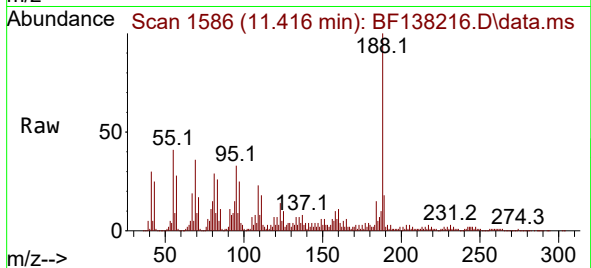
Tgt Ion:188 Resp: 791371

Ion Ratio Lower Upper

188 100

94 14.9 7.6 11.4#

80 14.9 8.1 12.1#



#65

4,6-Dinitro-2-methylphenol

Concen: 6.973 ng

RT: 10.539 min Scan# 1437

Delta R.T. 0.023 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

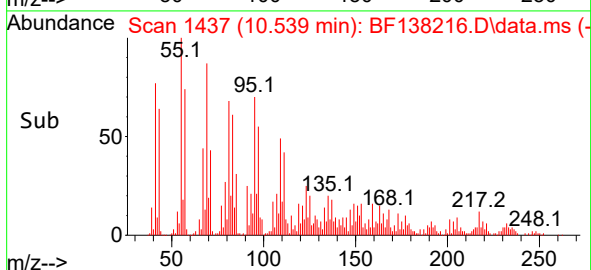
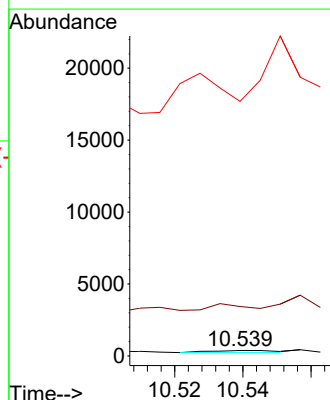
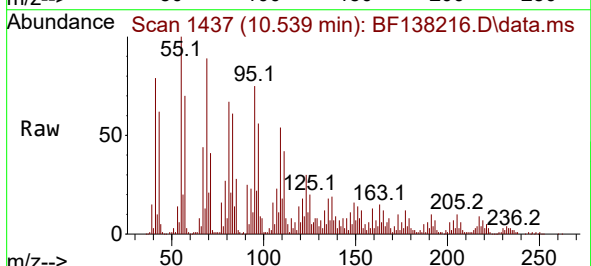
Tgt Ion:198 Resp: 181

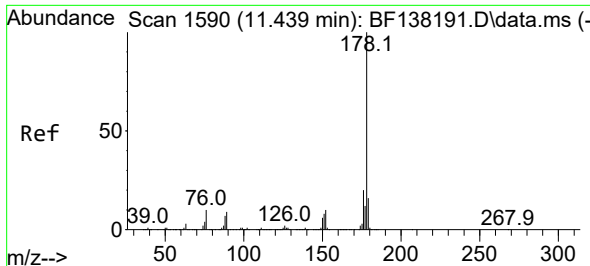
Ion Ratio Lower Upper

198 100

51 912.5 26.9 66.9#

105 4693.9 26.0 66.0#

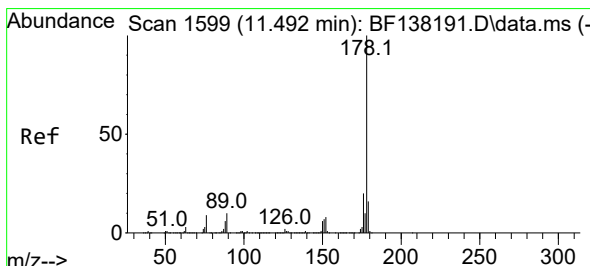
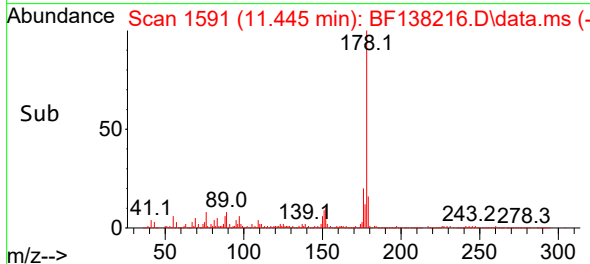
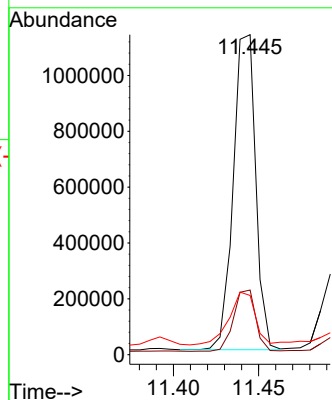
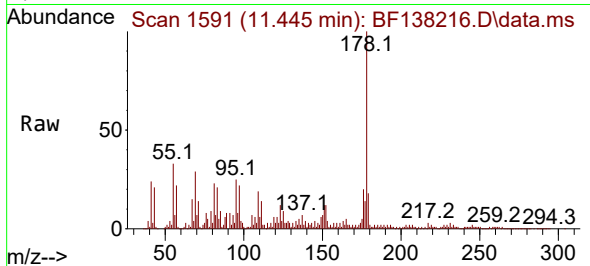




#71
Phenanthrene
Concen: 26.474 ng
RT: 11.445 min Scan# 1591
Delta R.T. 0.006 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

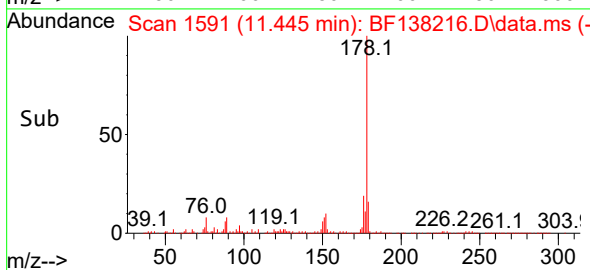
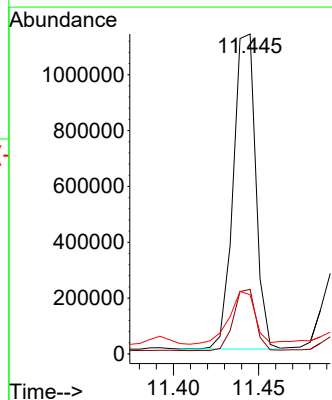
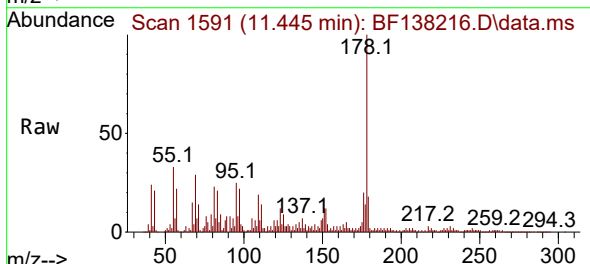
Instrument :
BNA_F
ClientSampleId :
EXT-PE4

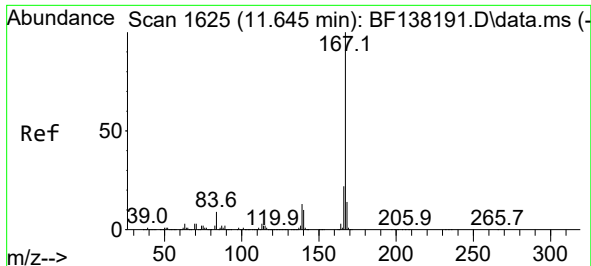
Tgt Ion:178 Resp: 1036072
Ion Ratio Lower Upper
178 100
176 20.2 16.4 24.6
179 18.5 13.1 19.7



#72
Anthracene
Concen: 26.664 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.047 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

Tgt Ion:178 Resp: 1036072
Ion Ratio Lower Upper
178 100
176 20.2 15.7 23.5
179 18.5 13.0 19.6

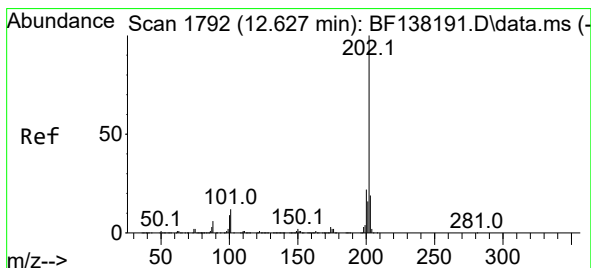
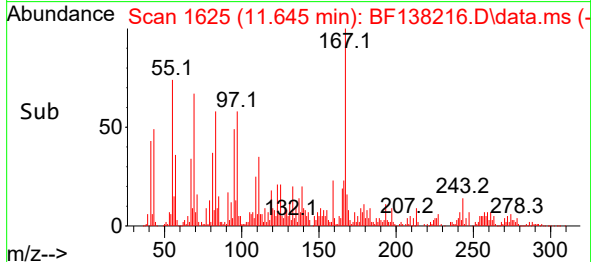
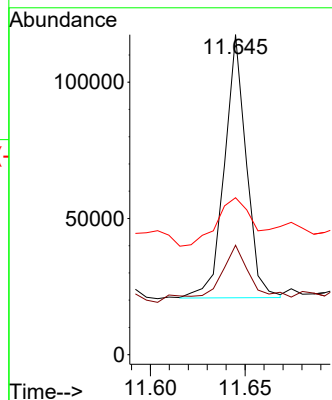
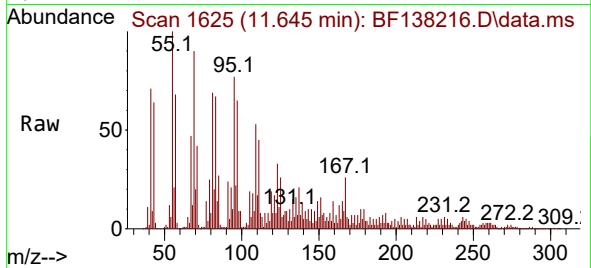




#73
 Carbazole
 Concen: 2.171 ng
 RT: 11.645 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BF138216.D
 Acq: 17 Jun 2024 20:55

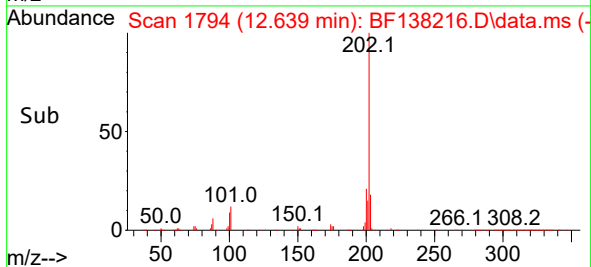
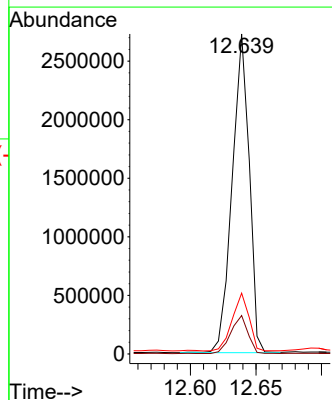
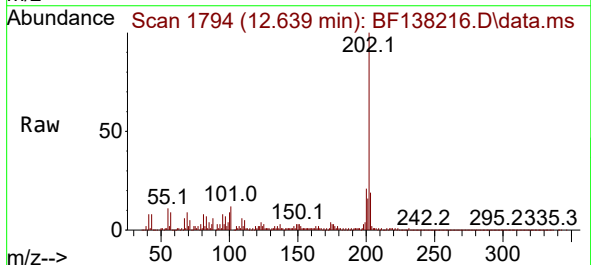
Instrument :
 BNA_F
 ClientSampleId :
 EXT-PE4

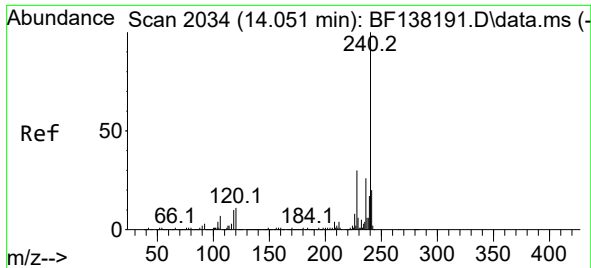
Tgt Ion:167 Resp: 77382
 Ion Ratio Lower Upper
 167 100
 166 34.2 18.0 27.0#
 139 49.1 10.6 16.0#



#75
 Fluoranthene
 Concen: 61.762 ng
 RT: 12.639 min Scan# 1794
 Delta R.T. 0.012 min
 Lab File: BF138216.D
 Acq: 17 Jun 2024 20:55

Tgt Ion:202 Resp: 2464775
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 31.8
 203 19.0 0.0 38.6

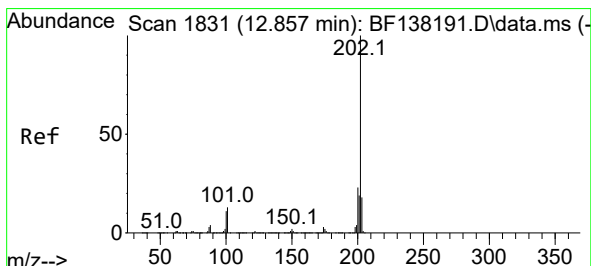
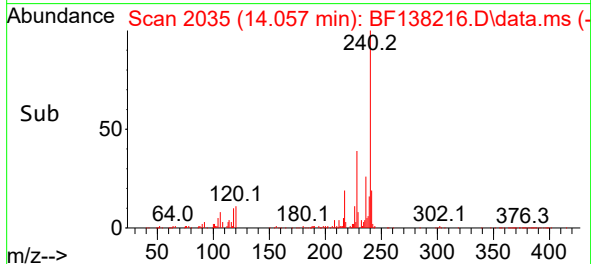
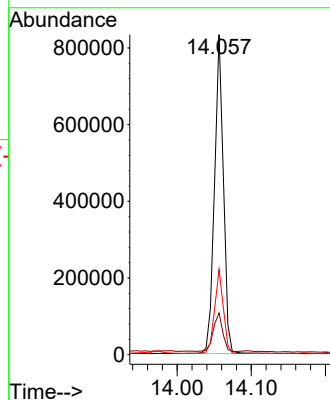
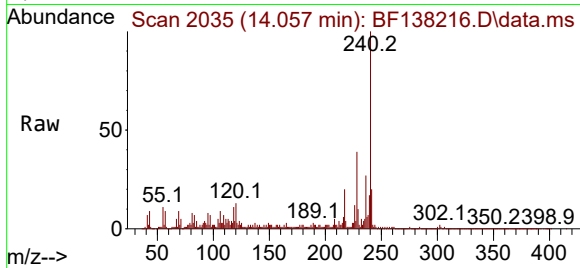




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

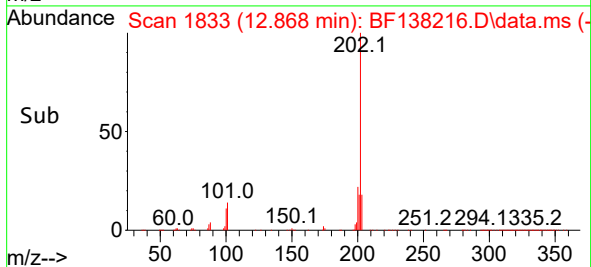
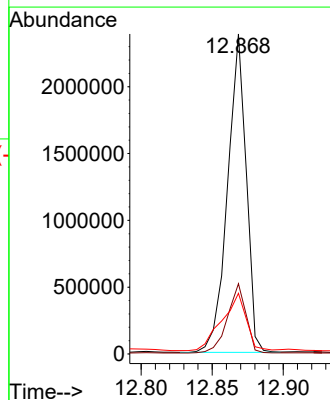
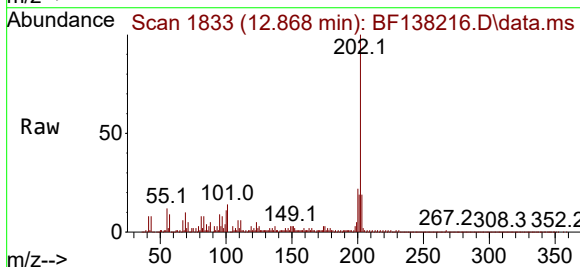
Instrument :
BNA_F
ClientSampleId :
EXT-PE4

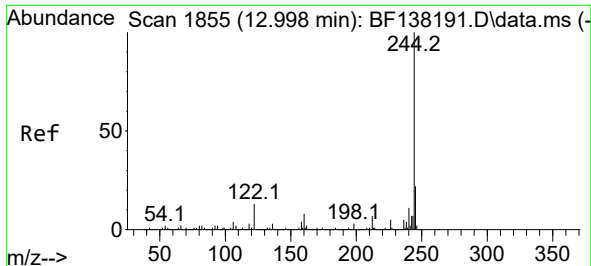
Tgt Ion:240 Resp: 693853
Ion Ratio Lower Upper
240 100
120 13.0 9.2 13.8
236 26.7 21.0 31.6



#78
Pyrene
Concen: 36.319 ng
RT: 12.868 min Scan# 1833
Delta R.T. 0.012 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

Tgt Ion:202 Resp: 2173656
Ion Ratio Lower Upper
202 100
200 22.0 18.0 27.0
203 19.0 14.7 22.1

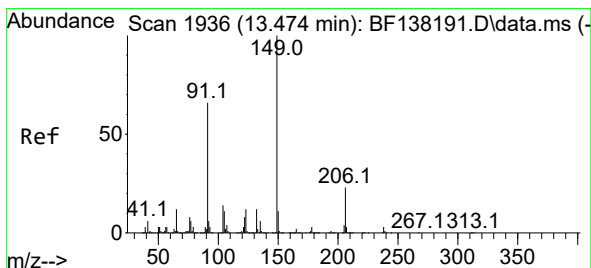
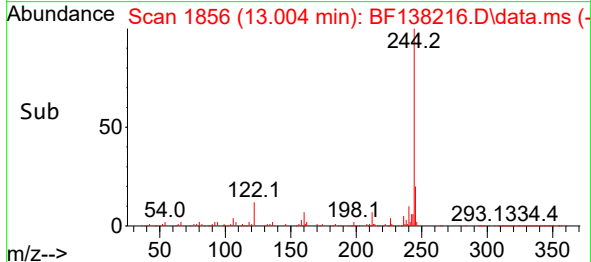
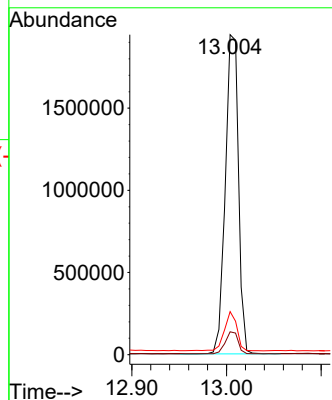
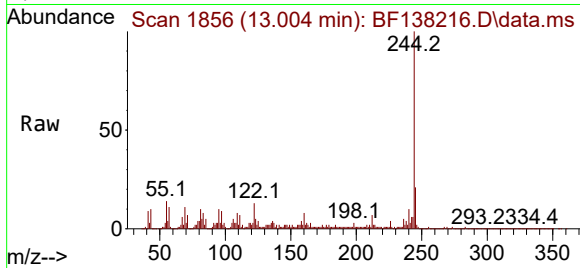




#79
 Terphenyl-d14
 Concen: 43.005 ng
 RT: 13.004 min Scan# 1855
 Delta R.T. 0.006 min
 Lab File: BF138216.D
 Acq: 17 Jun 2024 20:55

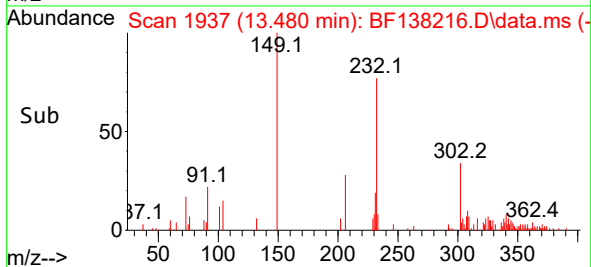
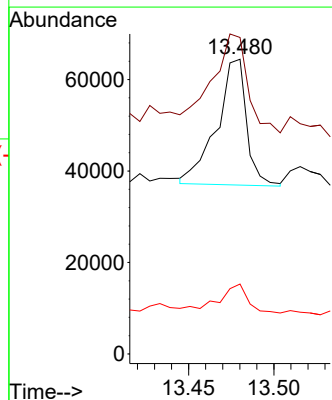
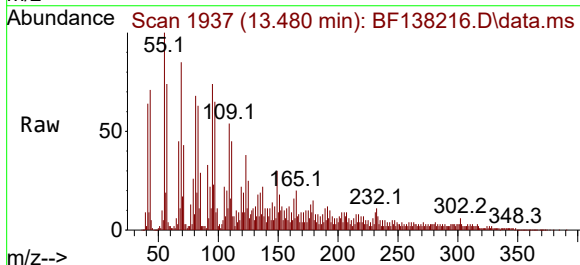
Instrument :
 BNA_F
 ClientSampleId :
 EXT-PE4

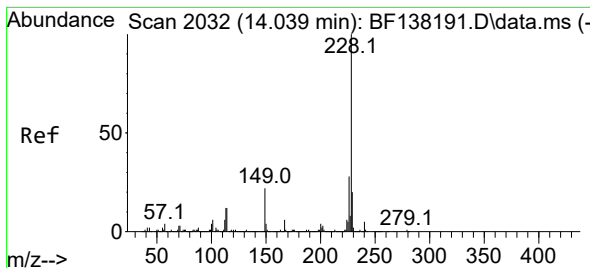
Tgt Ion:244 Resp: 1883968
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 13.4 10.6 15.8



#80
 Butylbenzylphthalate
 Concen: 2.059 ng
 RT: 13.480 min Scan# 1937
 Delta R.T. 0.006 min
 Lab File: BF138216.D
 Acq: 17 Jun 2024 20:55

Tgt Ion:149 Resp: 33517
 Ion Ratio Lower Upper
 149 100
 91 107.4 53.2 79.8#
 206 23.7 18.6 27.8





#81

Benzo(a)anthracene

Concen: 32.025 ng

RT: 14.045 min Scan# 2033

Delta R.T. 0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNF_F

ClientSampleId :

EXT-PE4

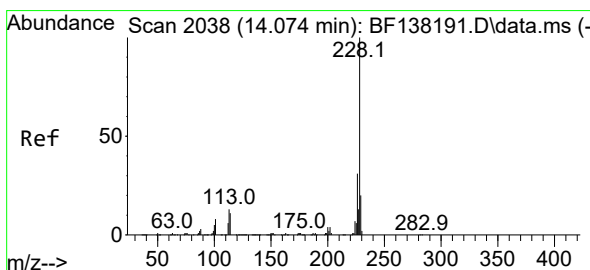
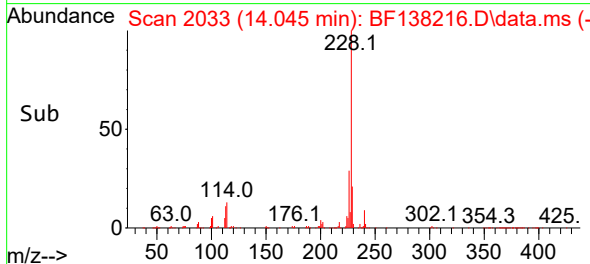
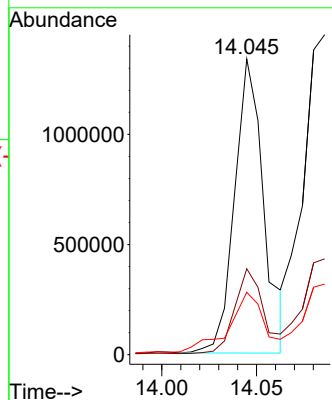
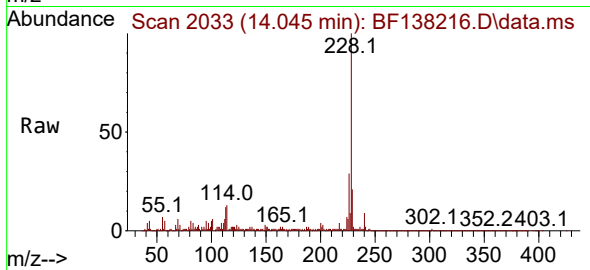
Tgt Ion:228 Resp: 1425587

Ion Ratio Lower Upper

228 100

226 29.1 22.5 33.7

229 21.1 16.3 24.5



#83

Chrysene

Concen: 36.044 ng

RT: 14.086 min Scan# 2040

Delta R.T. 0.012 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

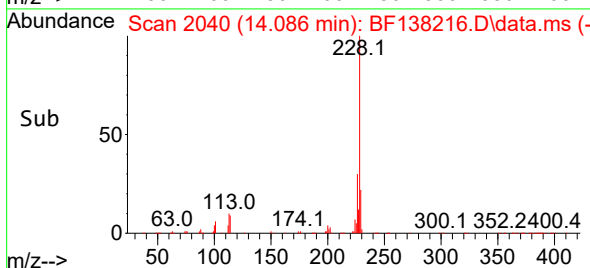
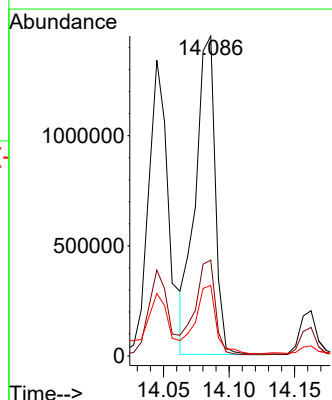
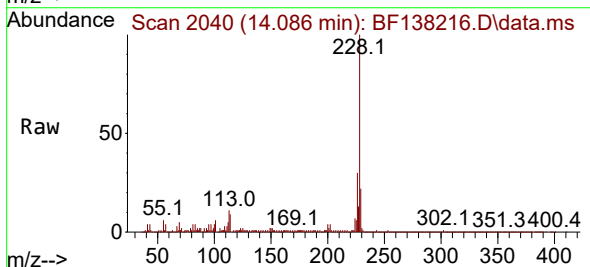
Tgt Ion:228 Resp: 1529329

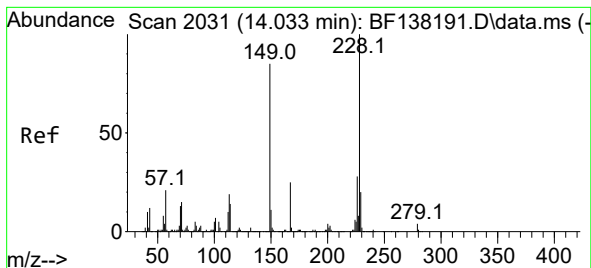
Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

229 22.1 16.3 24.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.244 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

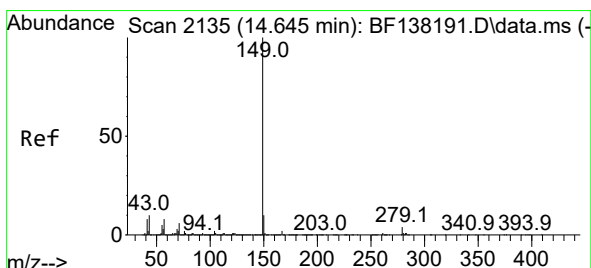
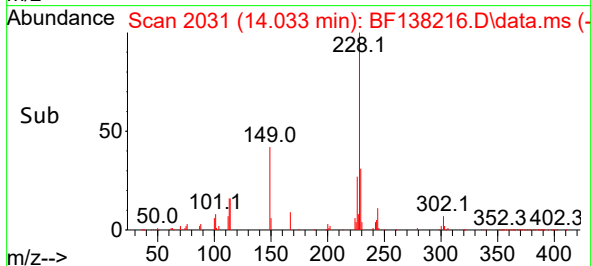
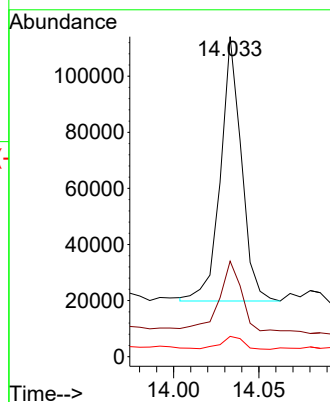
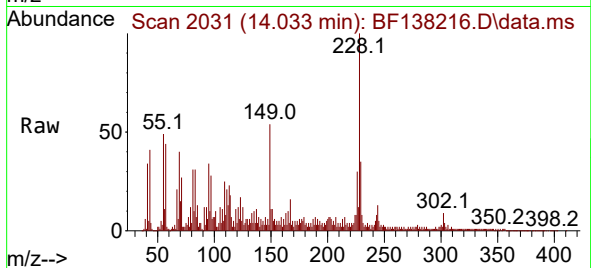
Tgt Ion:149 Resp: 80360

Ion Ratio Lower Upper

149 100

167 29.9 23.5 35.3

279 6.3 4.2 6.2#



#85

Di-n-octyl phthalate

Concen: 2.863 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.000 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

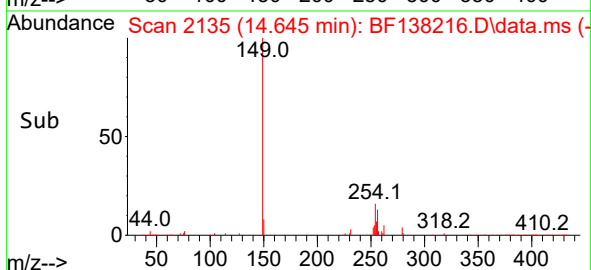
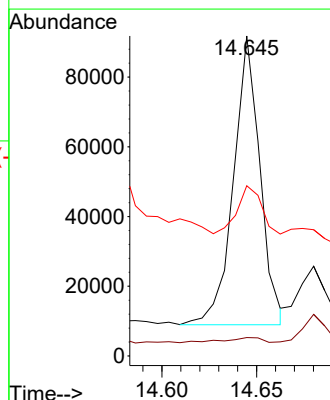
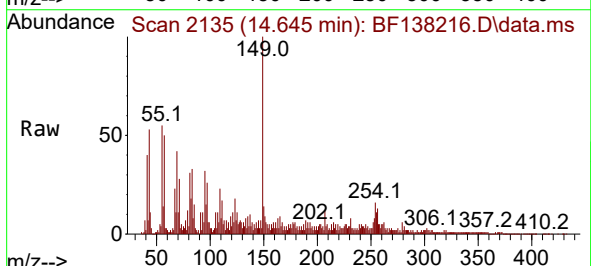
Tgt Ion:149 Resp: 80518

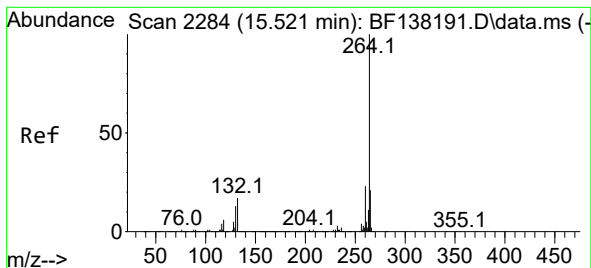
Ion Ratio Lower Upper

149 100

167 2.7 1.3 1.9#

43 0.0 7.8 11.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

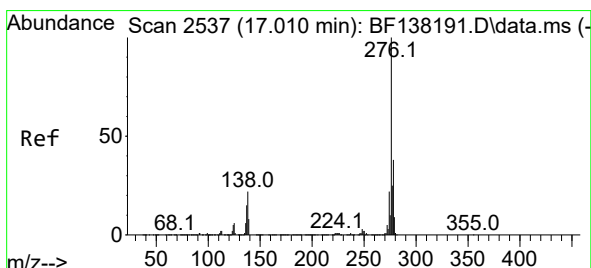
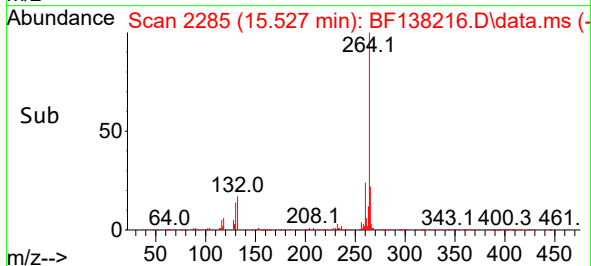
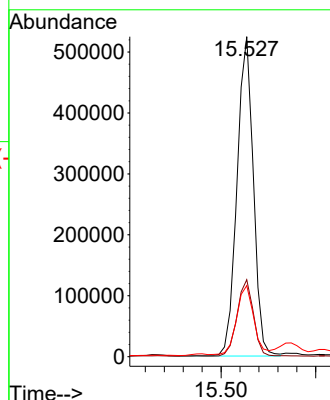
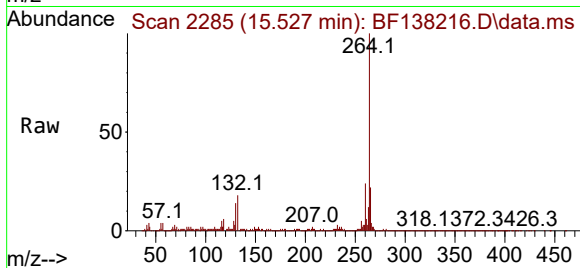
Tgt Ion:264 Resp: 628450

Ion Ratio Lower Upper

264 100

260 24.0 18.7 28.1

265 22.2 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 18.568 ng

RT: 17.003 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

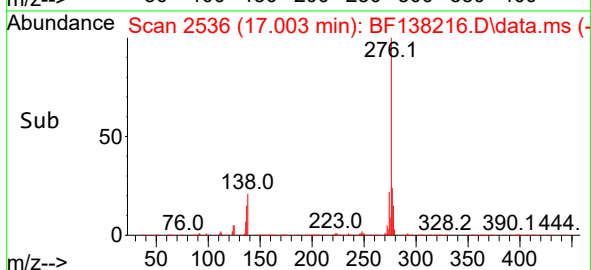
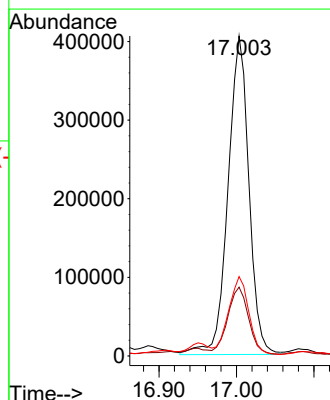
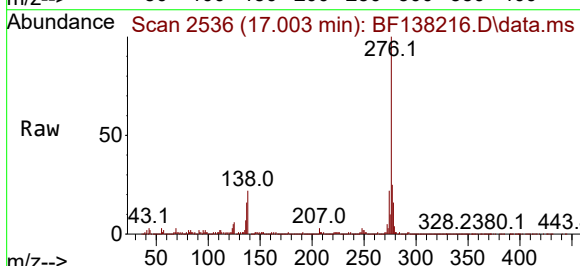
Tgt Ion:276 Resp: 760725

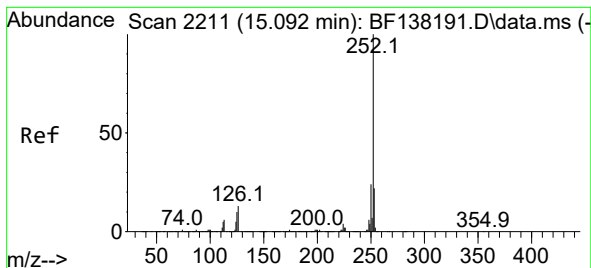
Ion Ratio Lower Upper

276 100

138 20.9 19.3 28.9

277 23.8 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 69.190 ng

RT: 15.098 min Scan# 2212

Delta R.T. 0.006 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

Instrument :

BNA_F

ClientSampleId :

EXT-PE4

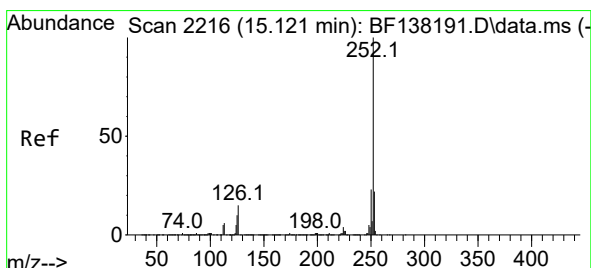
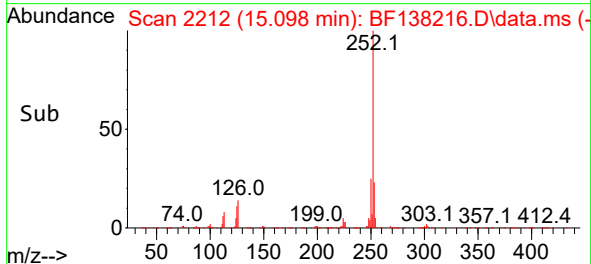
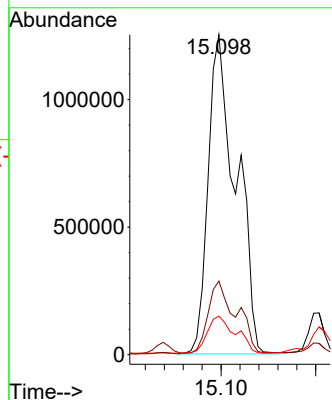
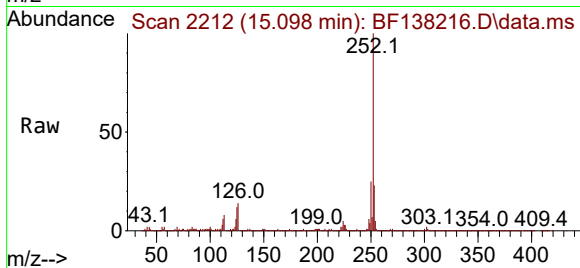
Tgt Ion:252 Resp: 2564210

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 12.1 7.8 11.8#



#89

Benzo(k)fluoranthene

Concen: 70.600 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.024 min

Lab File: BF138216.D

Acq: 17 Jun 2024 20:55

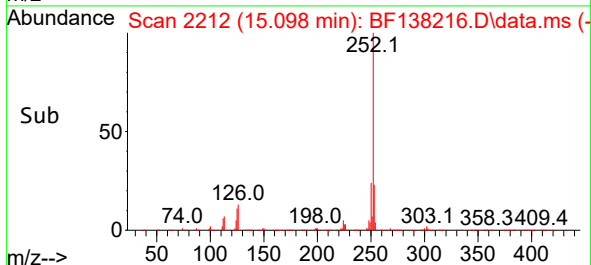
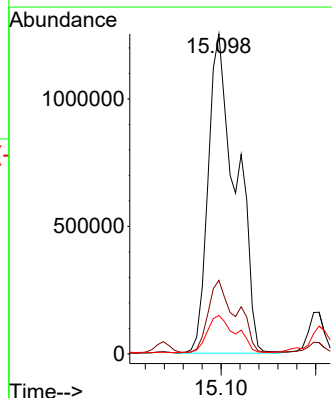
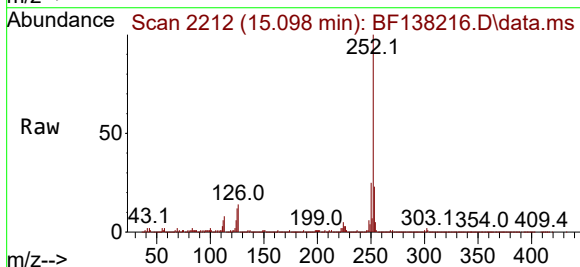
Tgt Ion:252 Resp: 2564210

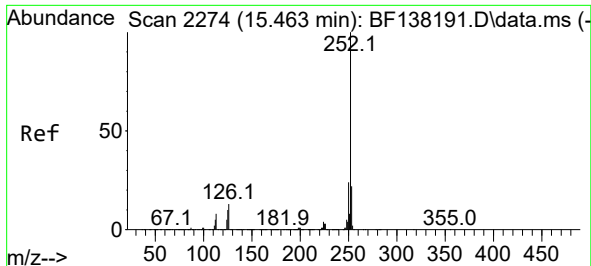
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

125 12.1 8.0 12.0#

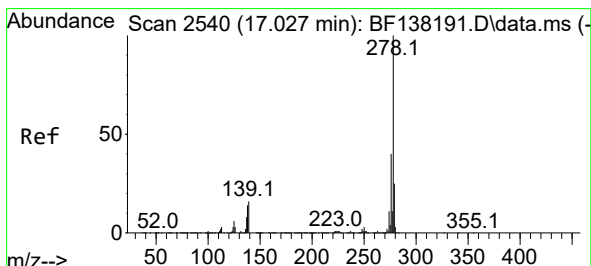
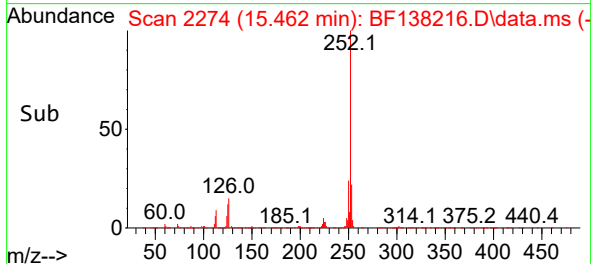
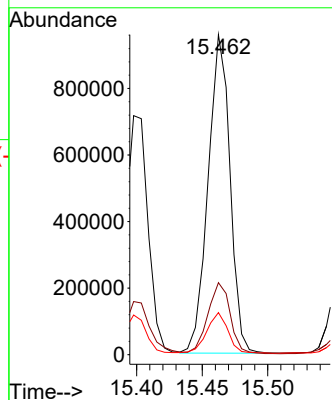
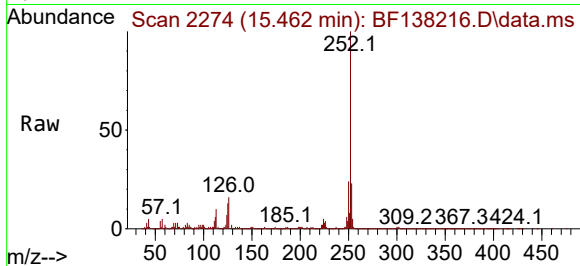




#90
Benzo(a)pyrene
Concen: 34.971 ng
RT: 15.462 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

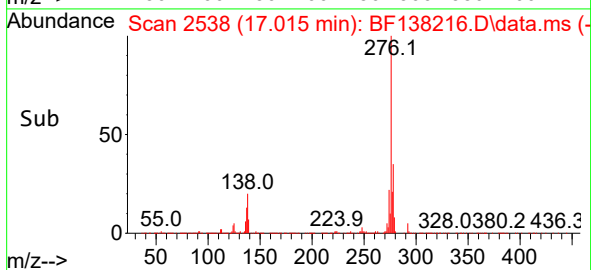
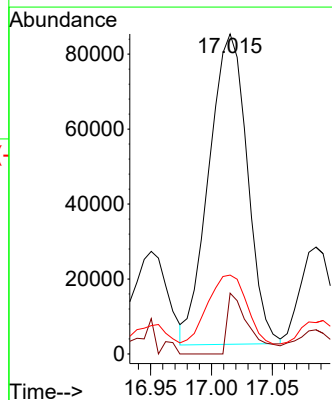
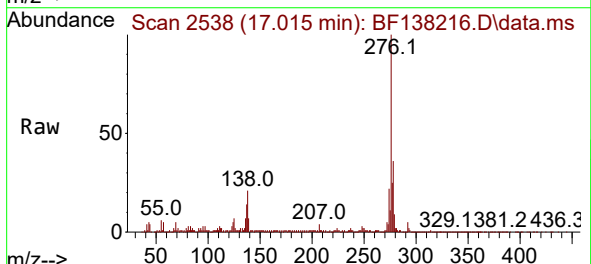
Instrument :
BNA_F
ClientSampleId :
EXT-PE4

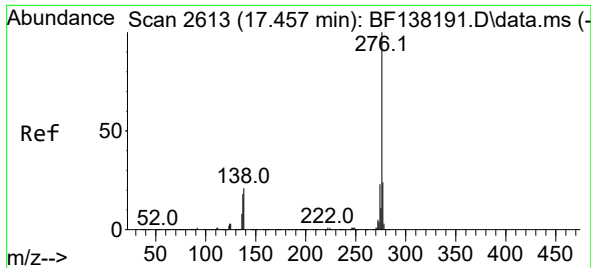
Tgt Ion:252 Resp: 1113416
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 13.2 8.2 12.2#



#91
Dibenzo(a,h)anthracene
Concen: 5.395 ng
RT: 17.015 min Scan# 2538
Delta R.T. -0.012 min
Lab File: BF138216.D
Acq: 17 Jun 2024 20:55

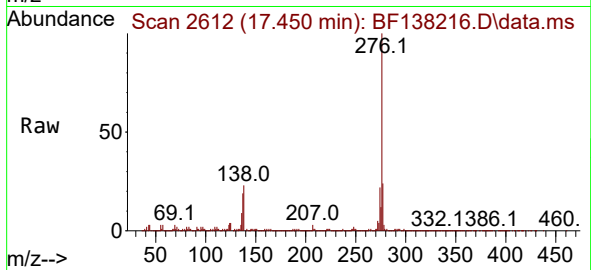
Tgt Ion:278 Resp: 181424
Ion Ratio Lower Upper
278 100
139 19.0 12.9 19.3
279 24.6 19.9 29.9





#92
 Benzo(g,h,i)perylene
 Concen: 20.773 ng
 RT: 17.450 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF138216.D
 Acq: 17 Jun 2024 20:55

Instrument :
 BNA_F
 ClientSampleId :
 EXT-PE4



Tgt Ion:	276	Resp:	722643
Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.5	29.3
138	22.9	16.6	24.8

