

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131795.D
 Acq On : 23 Dec 2022 01:08
 Operator : CG\JU
 Sample : N6088-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-27-5B01

Quant Time: Dec 23 03:38:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 03:03:57 2022
 Response via : Initial Calibration

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

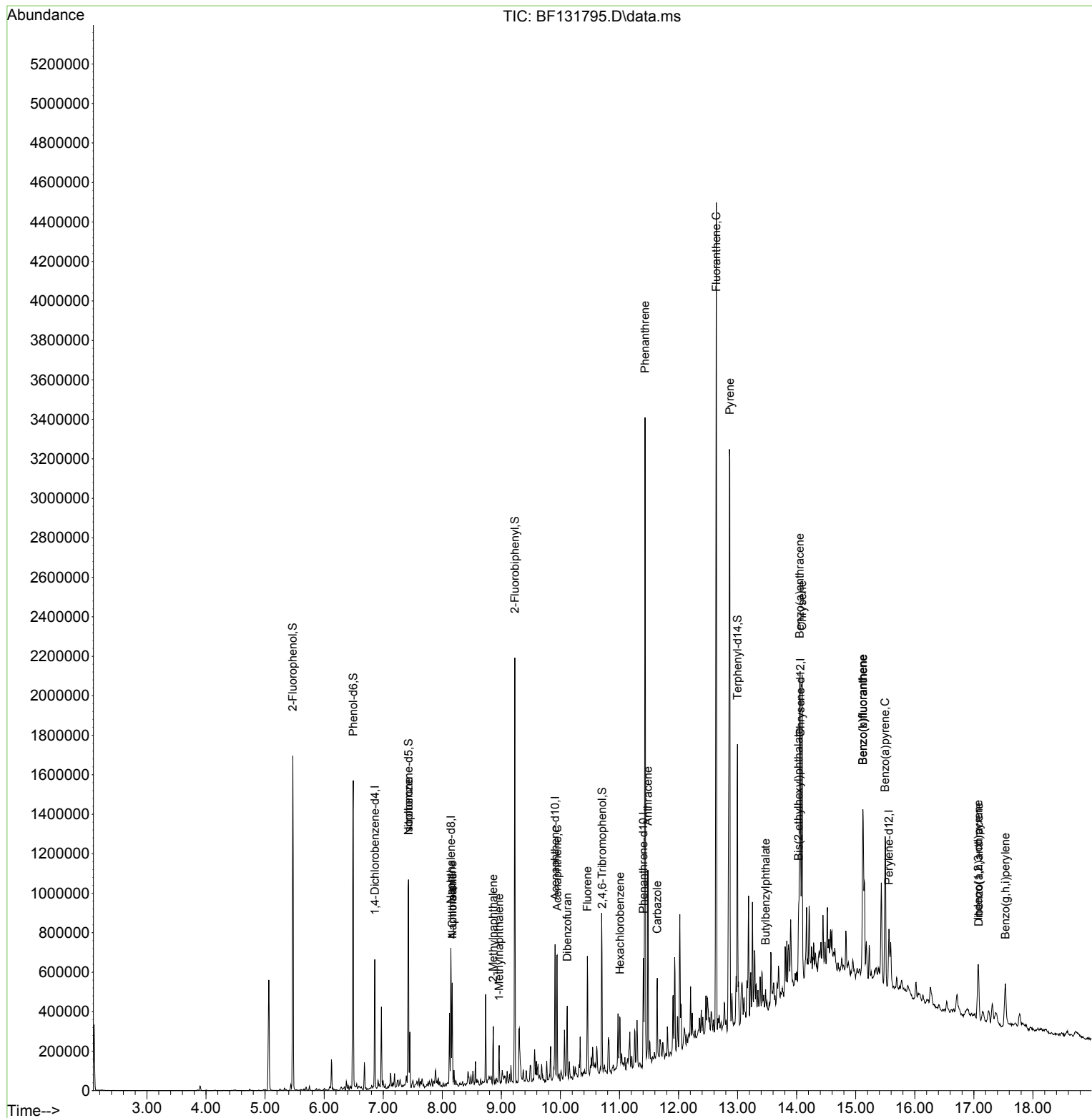
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	76175	20.000	ng	0.00
21) Naphthalene-d8	8.146	136	255810	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	123932	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	202375	20.000	ng	0.00
76) Chrysene-d12	14.063	240	133558	20.000	ng	0.01
86) Perylene-d12	15.563	264	104327	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	403761	89.253	ng	0.01
7) Phenol-d6	6.493	99	525075	86.236	ng	0.00
23) Nitrobenzene-d5	7.428	82	358076	56.826	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	66135	48.755	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	534653	60.433	ng	0.00
79) Terphenyl-d14	12.998	244	458396	53.492	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.405	77	3097	Below Cal	#	62
25) Isophorone	7.428	82	357760	33.432	ng	# 70
31) Naphthalene	8.169	128	169533	12.135	ng	99
33) 4-Chloroaniline	8.169	127	22309	4.095	ng	# 34
37) 2-Methylnaphthalene	8.863	142	59787	6.274	ng	97
38) 1-Methylnaphthalene	8.963	142	40595	4.398	ng	97
52) Acenaphthene	9.945	154	128629	18.340	ng	98
55) Dibenzofuran	10.116	168	108841	10.120	ng	99
58) Fluorene	10.457	166	145981	16.788	ng	98
68) Hexachlorobenzene	11.010	284	19068	7.254	ng	98
71) Phenanthrene	11.434	178	1169083	105.941	ng	97
72) Anthracene	11.481	178	314553	29.112	ng	99
73) Carbazole	11.639	167	140167	14.994	ng	100
75) Fluoranthene	12.639	202	1642628	133.656	ng	98
78) Pyrene	12.869	202	1434565	118.140	ng	99
80) Butylbenzylphthalate	13.475	149	15620	3.647	ng	92
81) Benzo(a)anthracene	14.051	228	646331	67.193	ng	97
83) Chrysene	14.092	228	557817	61.442	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	79617	15.590	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	192072	27.410	ng	98
88) Benzo(b)fluoranthene	15.122	252	722071	97.828	ng	# 95
89) Benzo(k)fluoranthene	15.122	252	722071	100.256	ng	# 96
90) Benzo(a)pyrene	15.498	252	380742	65.123	ng	98
91) Dibenzo(a,h)anthracene	17.080	278	48117	8.309	ng	# 83
92) Benzo(g,h,i)perylene	17.533	276	188043	32.853	ng	97

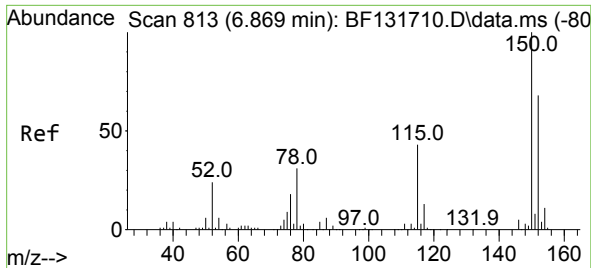
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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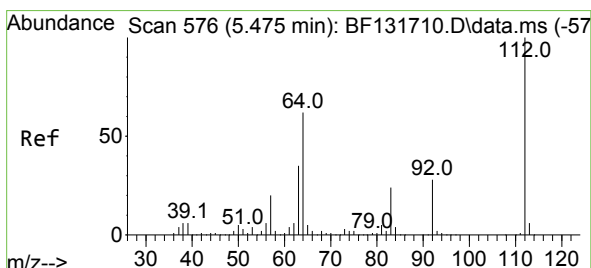
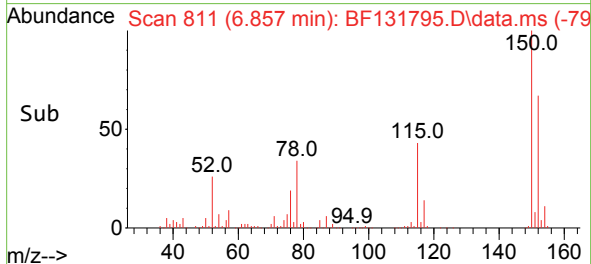
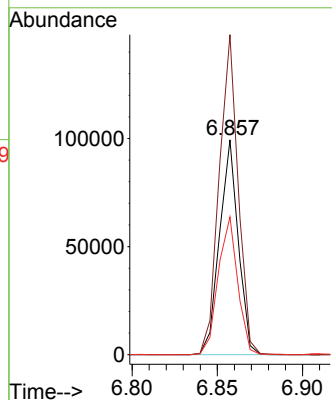
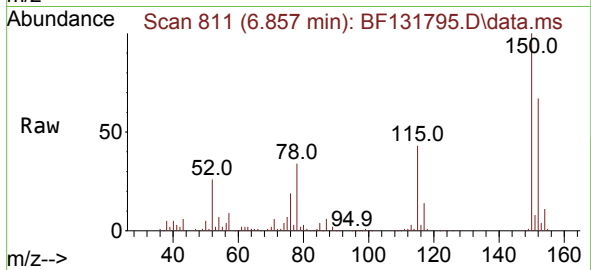




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

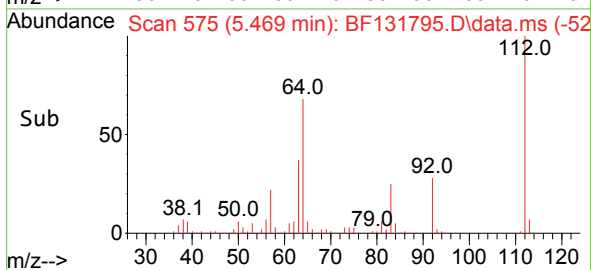
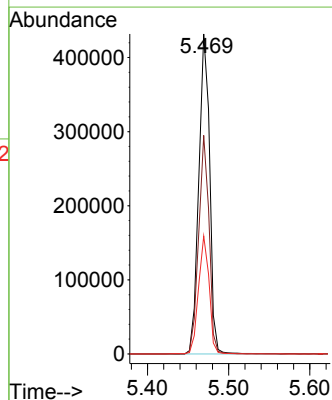
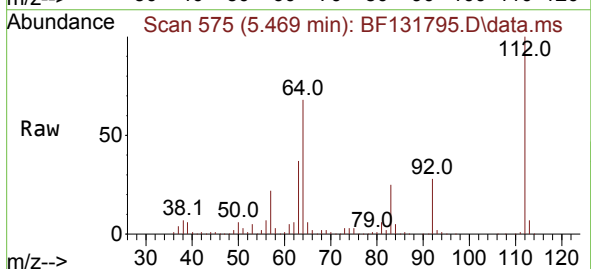
Instrument :
BNA_F
ClientSampleId :
B-27-5B01

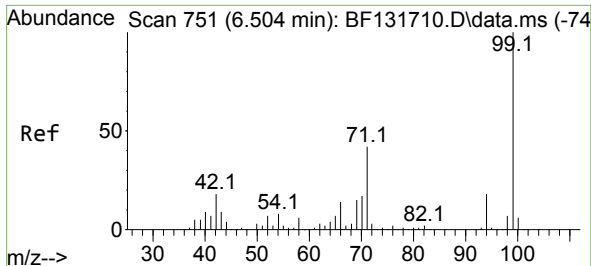
Tgt Ion:152 Resp: 76175
Ion Ratio Lower Upper
152 100
150 148.9 117.4 176.0
115 64.1 50.2 75.4



#5
2-Fluorophenol
Concen: 89.253 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.012 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

Tgt Ion:112 Resp: 403761
Ion Ratio Lower Upper
112 100
64 68.3 49.5 74.3
63 36.8 28.2 42.2

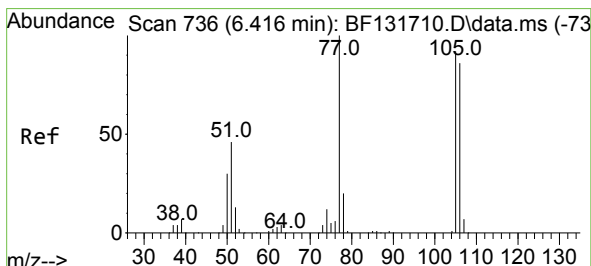
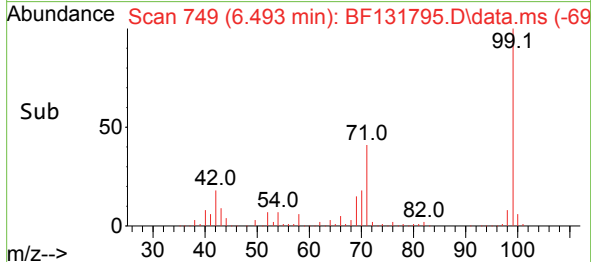
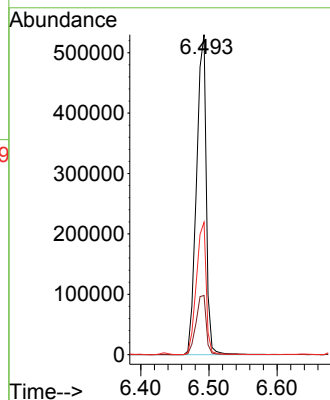
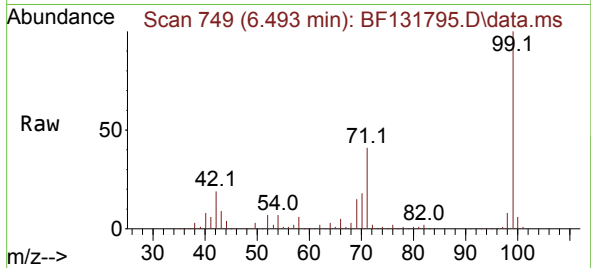




#7
Phenol-d6
Concen: 86.236 ng
RT: 6.493 min Scan# 749
Delta R.T. 0.006 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

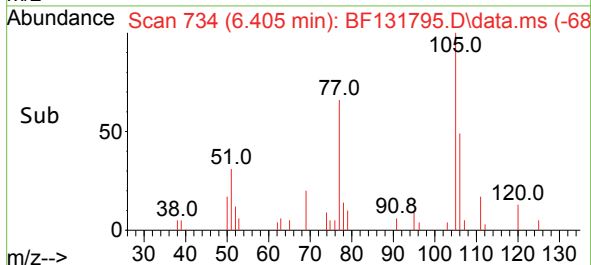
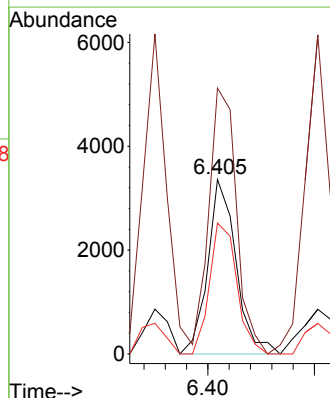
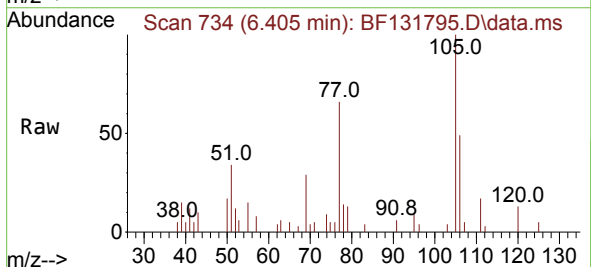
Instrument :
BNA_F
ClientSampleId :
B-27-5B01

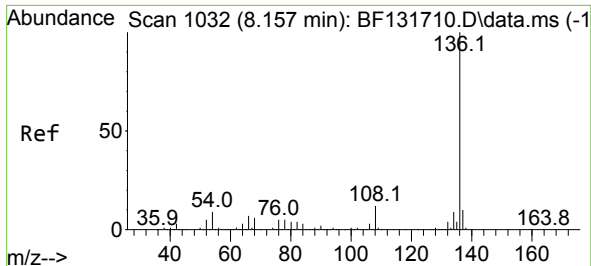
Tgt Ion: 99 Resp: 525075
Ion Ratio Lower Upper
99 100
42 18.5 14.8 22.2
71 41.3 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.405 min Scan# 734
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

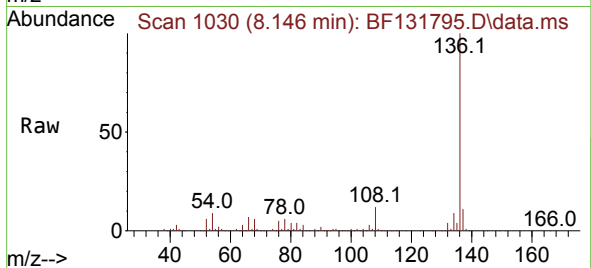
Tgt Ion: 77 Resp: 3097
Ion Ratio Lower Upper
77 100
105 152.3 72.4 112.4#
106 74.9 66.5 106.5



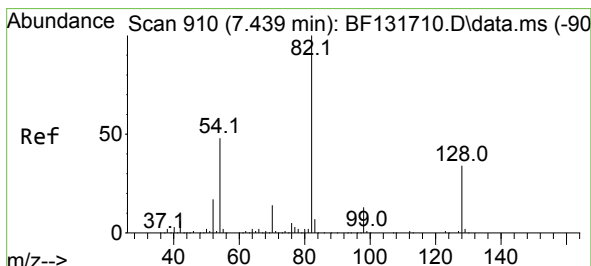
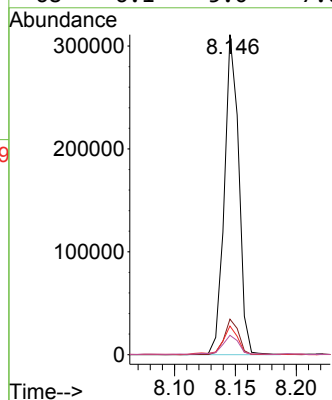
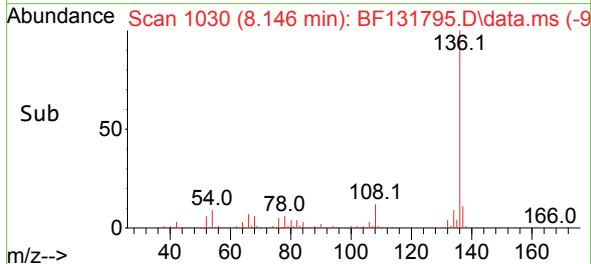


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.146 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

Instrument :
BNA_F
ClientSampleId :
B-27-5B01

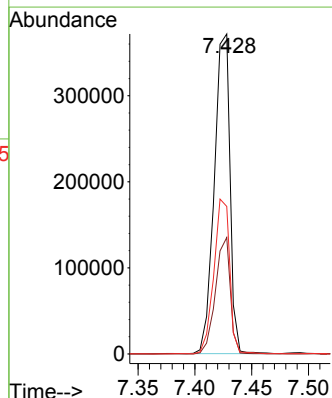
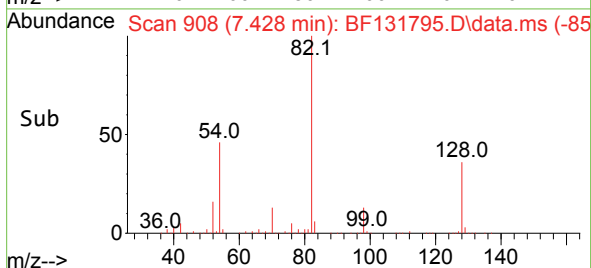
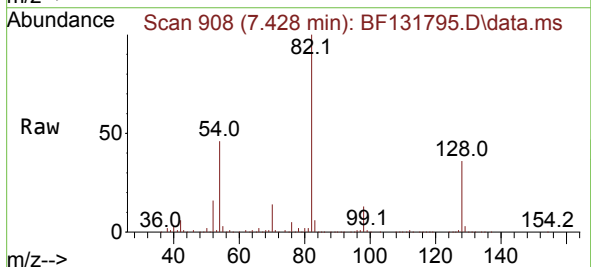


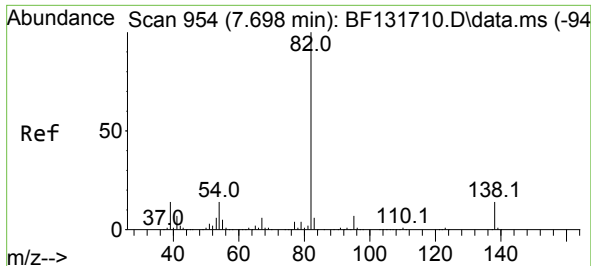
Tgt Ion:136 Resp: 255810
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 9.0 7.2 10.8
68 6.1 5.0 7.6



#23
Nitrobenzene-d5
Concen: 56.826 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

Tgt Ion: 82 Resp: 358076
Ion Ratio Lower Upper
82 100
128 36.4 27.3 40.9
54 46.1 38.2 57.2

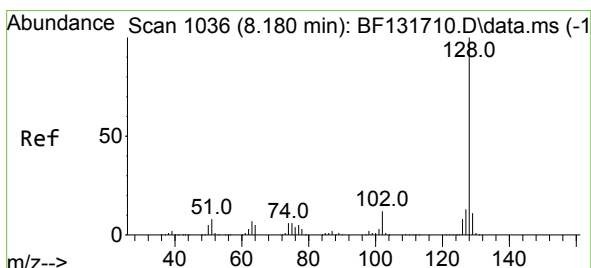
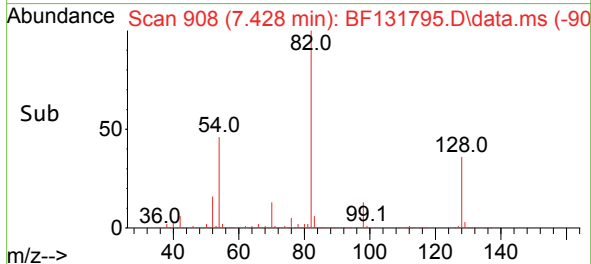
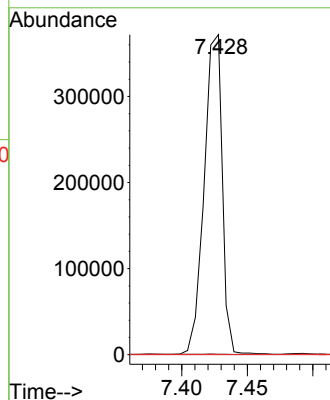
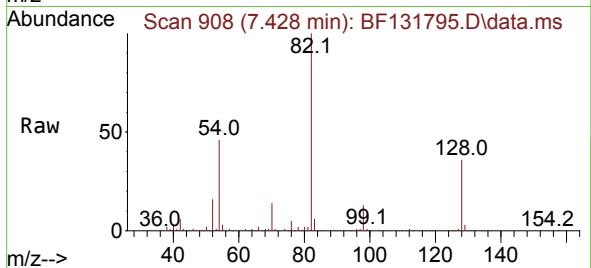




#25
Isophorone
Concen: 33.432 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

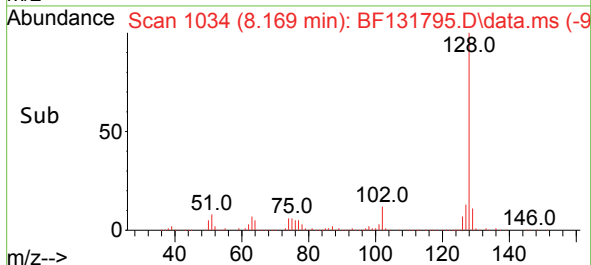
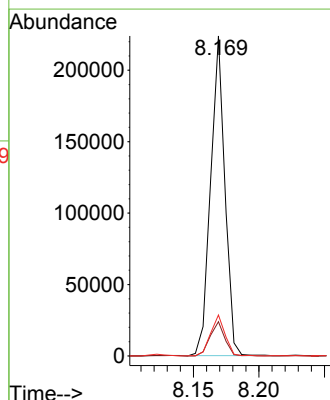
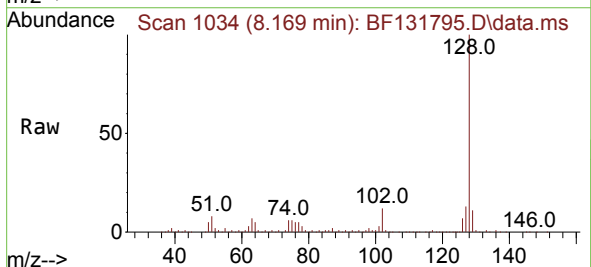
Instrument :
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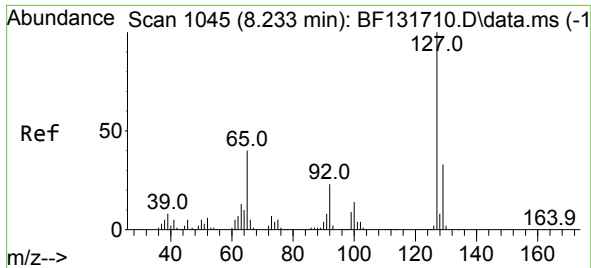
Tgt Ion: 82 Resp: 357760
Ion Ratio Lower Upper
82 100
95 0.2 5.8 8.6#
138 0.0 11.6 17.4#



#31
Naphthalene
Concen: 12.135 ng
RT: 8.169 min Scan# 1034
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

Tgt Ion:128 Resp: 169533
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 12.8 10.6 15.8

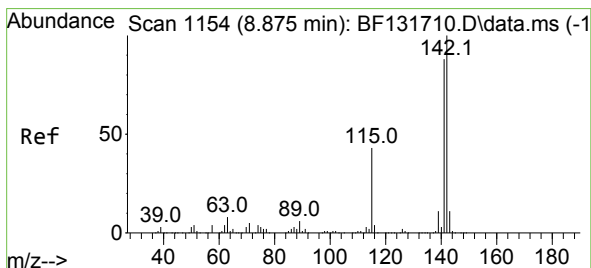
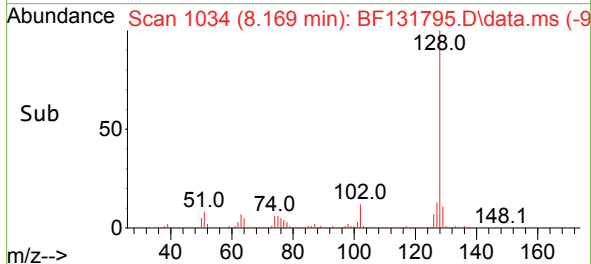
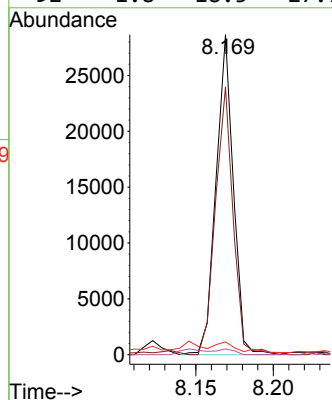
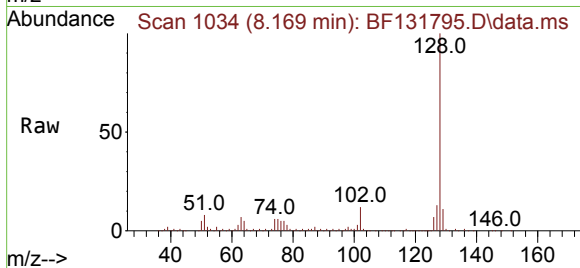




#33
4-Chloroaniline
Concen: 4.095 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.053 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

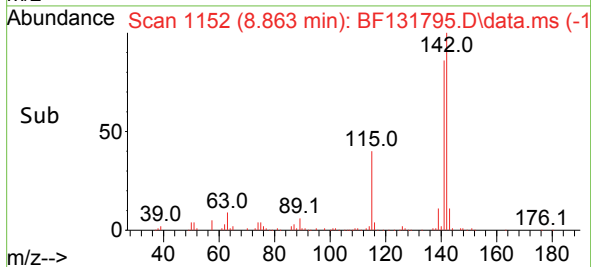
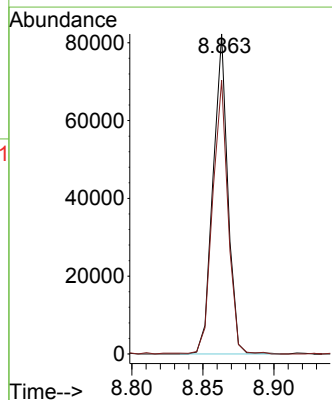
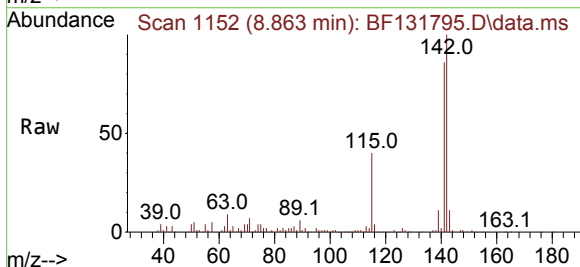
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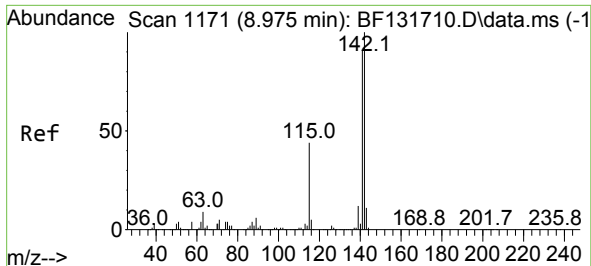
Tgt Ion:	127	Resp:	22309
Ion	Ratio	Lower	Upper
127	100		
129	83.7	26.1	39.1#
65	4.0	31.8	47.6#
92	1.8	18.5	27.7#



#37
2-Methylnaphthalene
Concen: 6.274 ng
RT: 8.863 min Scan# 1152
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

Tgt Ion:	142	Resp:	59787
Ion	Ratio	Lower	Upper
142	100		
141	85.5	70.4	105.6

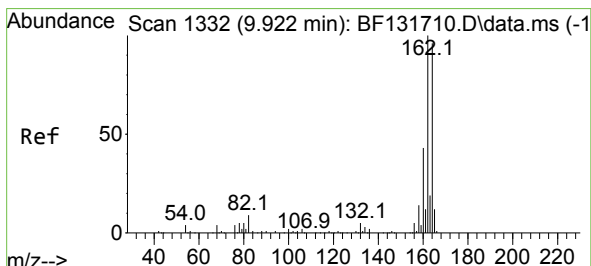
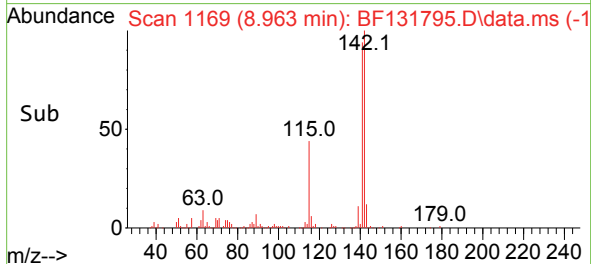
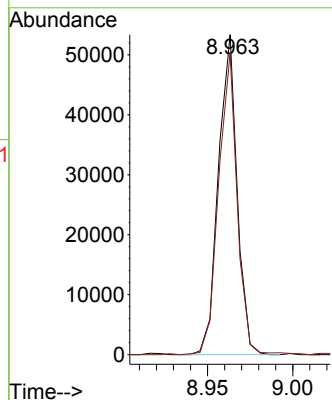
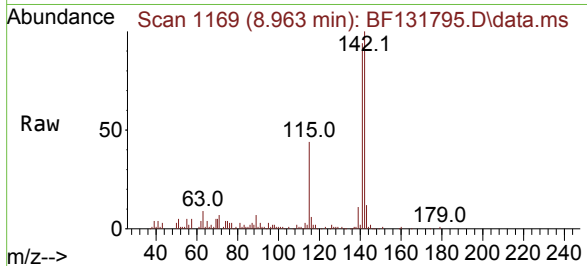




#38
1-Methylnaphthalene
Concen: 4.398 ng
RT: 8.963 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

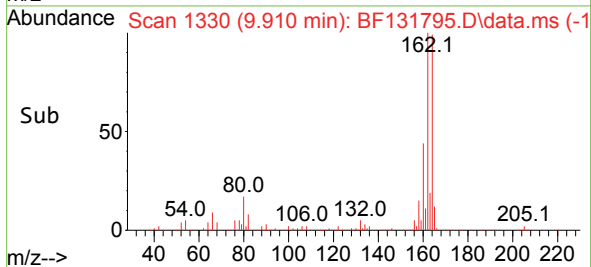
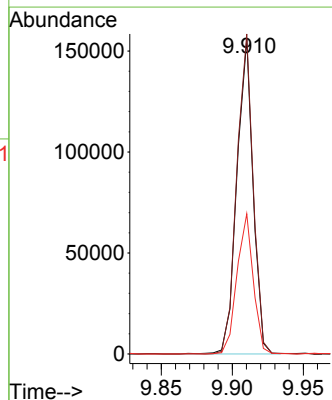
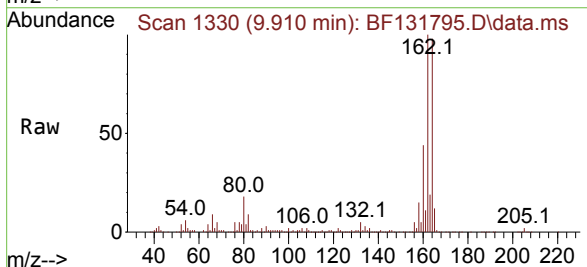
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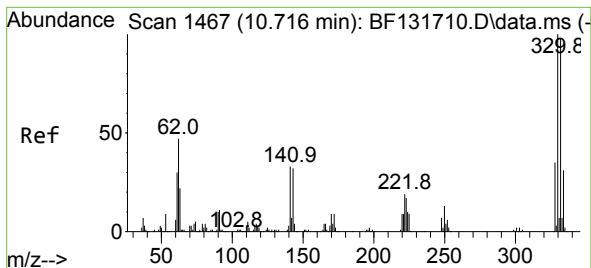
Tgt Ion:142 Resp: 40595
Ion Ratio Lower Upper
142 100
141 94.2 73.0 109.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

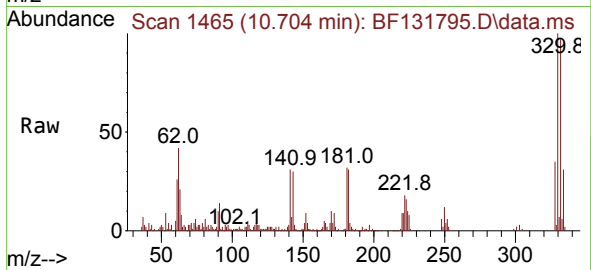
Tgt Ion:164 Resp: 123932
Ion Ratio Lower Upper
164 100
162 101.6 83.7 125.5
160 44.5 36.2 54.4



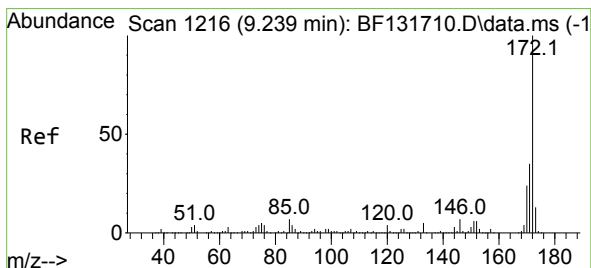
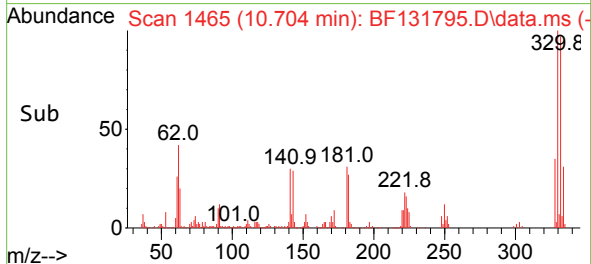
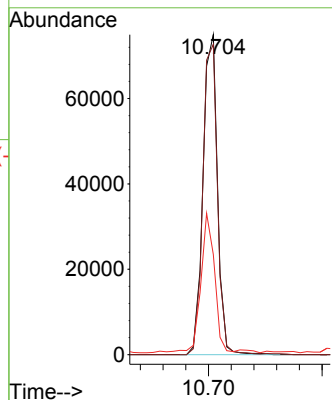


#42
2,4,6-Tribromophenol
Concen: 48.755 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

Instrument :
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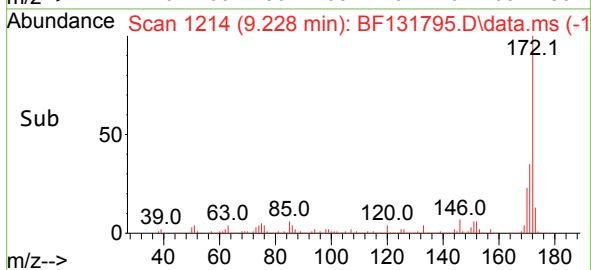
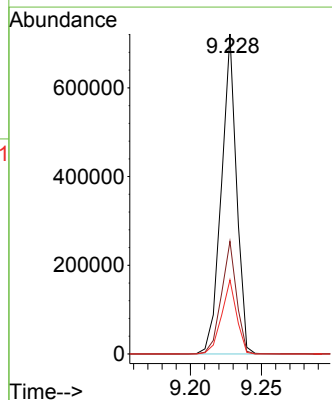
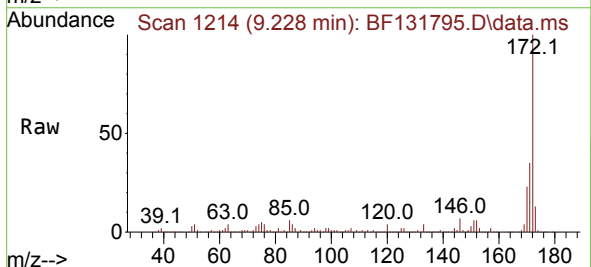


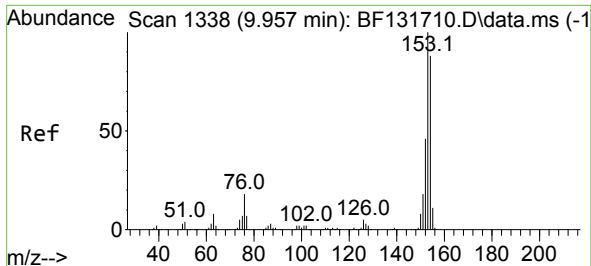
Tgt Ion:330 Resp: 66135
Ion Ratio Lower Upper
330 100
332 98.2 77.1 115.7
141 41.6 30.4 45.6



#45
2-Fluorobiphenyl
Concen: 60.433 ng
RT: 9.228 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

Tgt Ion:172 Resp: 534653
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.2 19.0 28.4

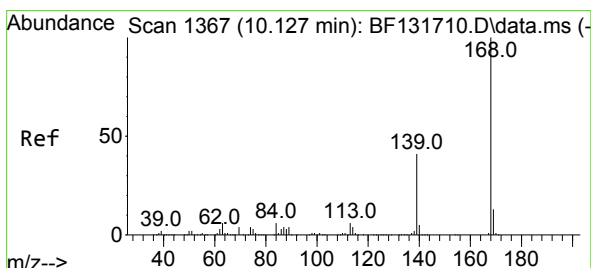
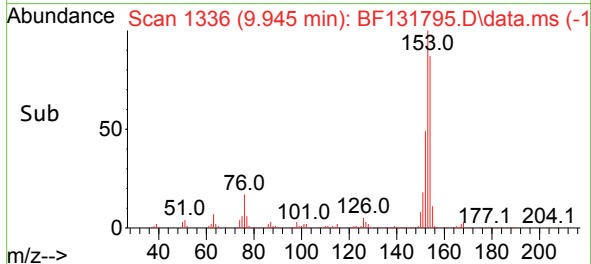
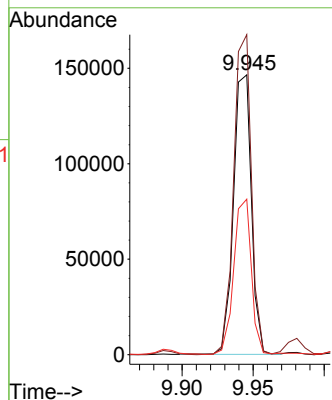
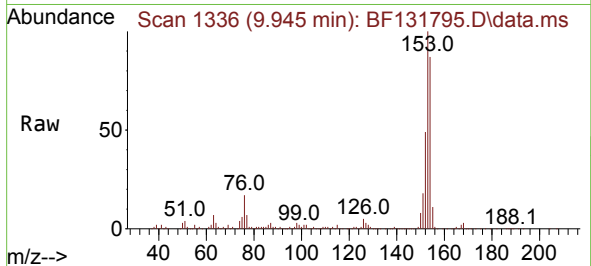




#52
Acenaphthene
Concen: 18.340 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

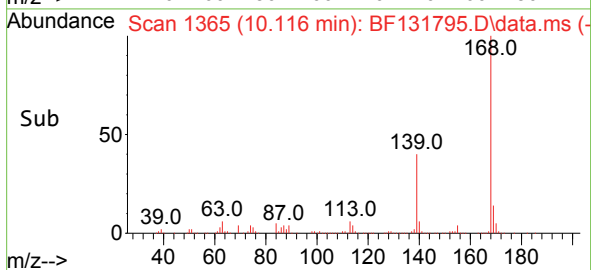
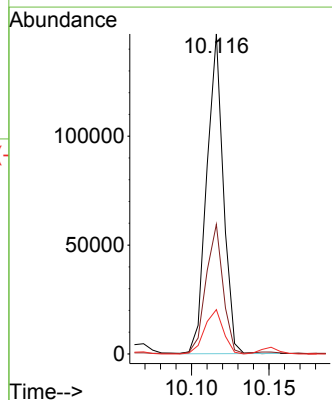
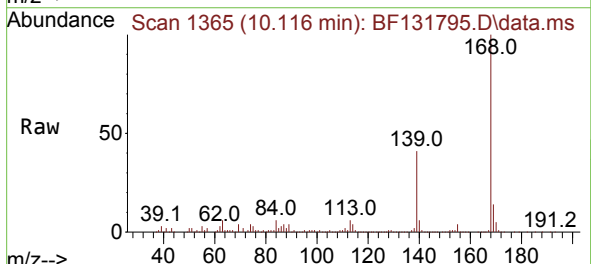
Instrument :
BNA_F
ClientSampleId :
B-27-5B01

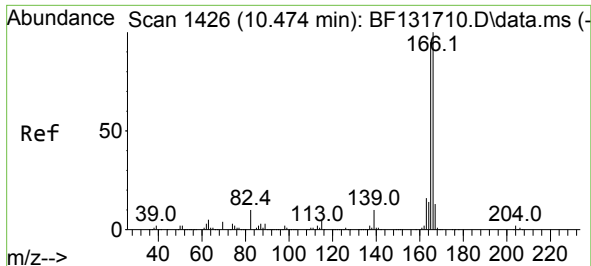
Tgt Ion:154 Resp: 128629
Ion Ratio Lower Upper
154 100
153 114.4 90.4 135.6
152 55.6 42.0 63.0



#55
Dibenzofuran
Concen: 10.120 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.000 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

Tgt Ion:168 Resp: 108841
Ion Ratio Lower Upper
168 100
139 40.5 32.7 49.1
169 13.8 10.6 16.0

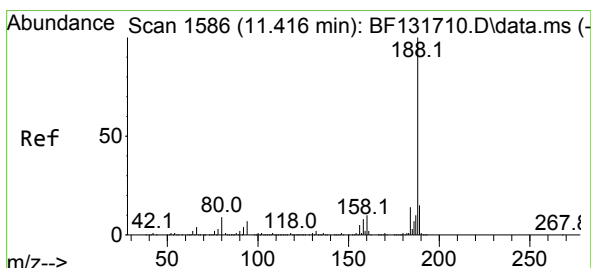
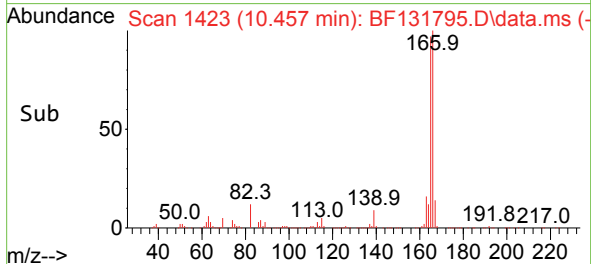
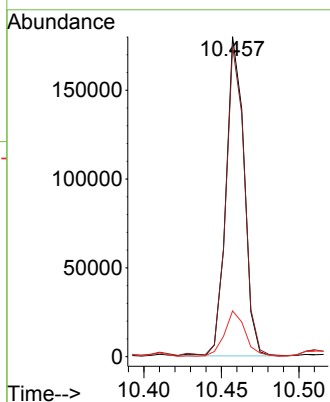
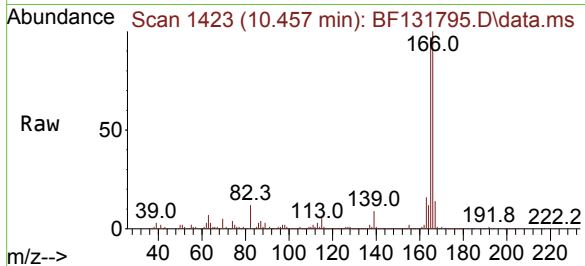




#58
 Fluorene
 Concen: 16.788 ng
 RT: 10.457 min Scan# 1423
 Delta R.T. 0.000 min
 Lab File: BF131795.D
 Acq: 23 Dec 2022 01:08

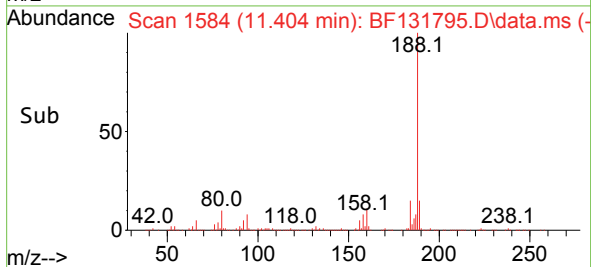
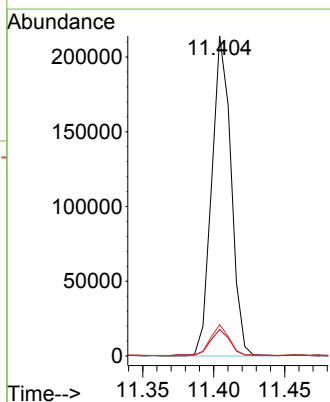
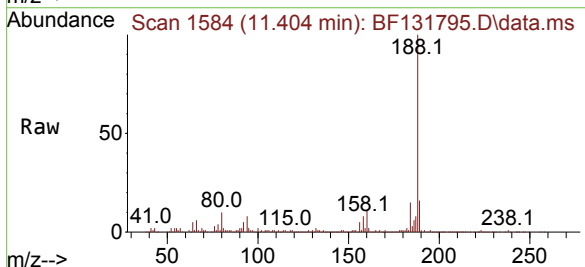
Instrument :
 BNA_F
 ClientSampleId :
 B-27-5B01

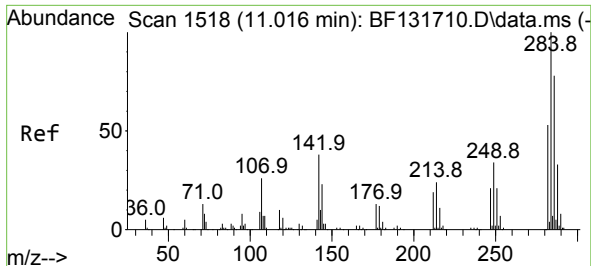
Tgt Ion:166 Resp: 145981
 Ion Ratio Lower Upper
 166 100
 165 97.0 75.8 113.8
 167 14.3 10.6 15.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1584
 Delta R.T. 0.006 min
 Lab File: BF131795.D
 Acq: 23 Dec 2022 01:08

Tgt Ion:188 Resp: 202375
 Ion Ratio Lower Upper
 188 100
 94 8.2 5.9 8.9
 80 9.8 7.0 10.6

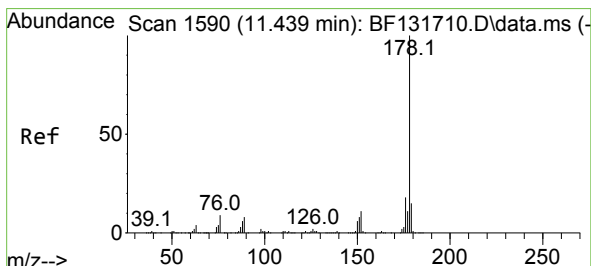
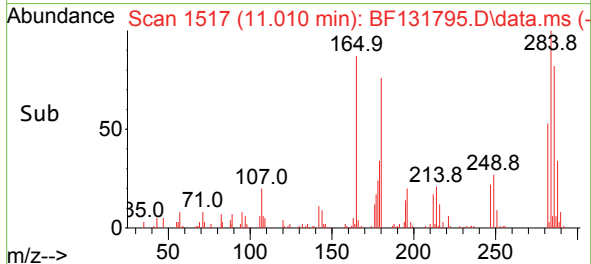
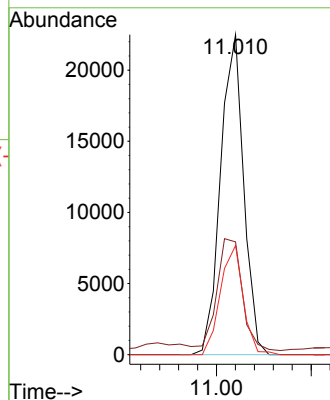
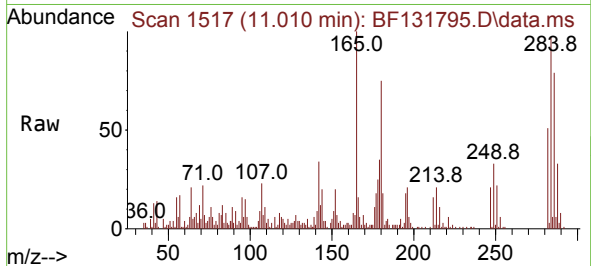




#68
Hexachlorobenzene
Concen: 7.254 ng
RT: 11.010 min Scan# 1518
Delta R.T. 0.006 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

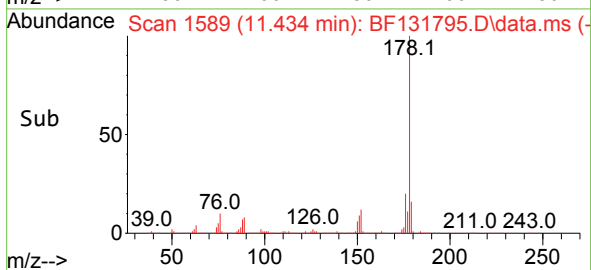
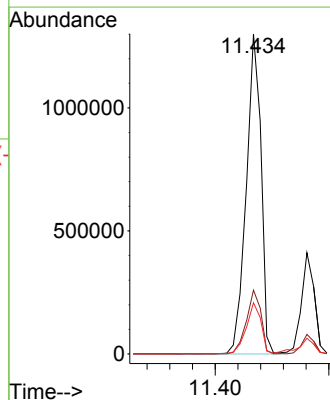
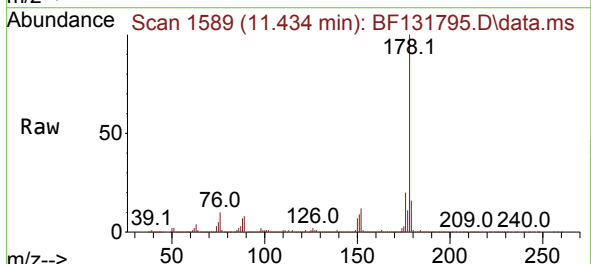
Instrument :
BNA_F
ClientSampleId :
B-27-5B01

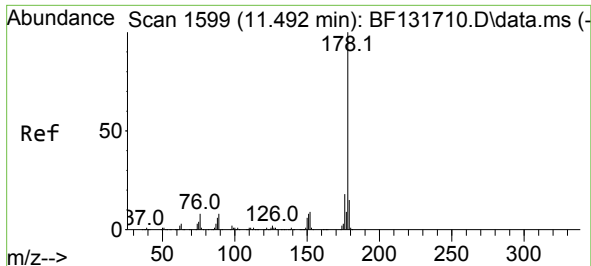
Tgt Ion:284 Resp: 19068
Ion Ratio Lower Upper
284 100
142 35.2 30.2 45.4
249 34.1 27.2 40.8



#71
Phenanthrene
Concen: 105.941 ng
RT: 11.434 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

Tgt Ion:178 Resp: 1169083
Ion Ratio Lower Upper
178 100
176 20.0 14.8 22.2
179 16.0 12.2 18.4

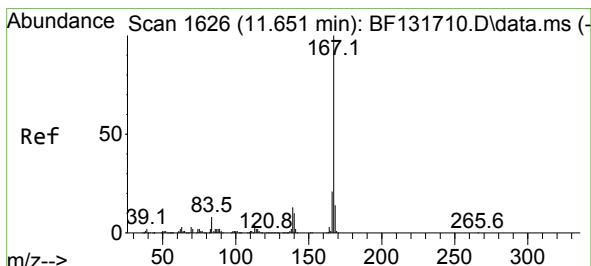
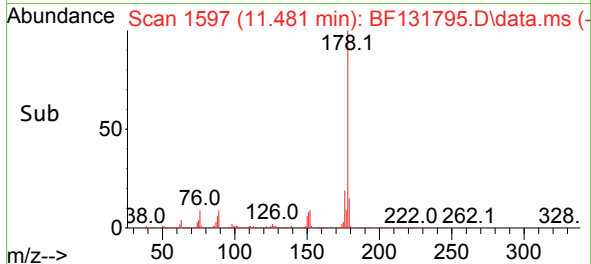
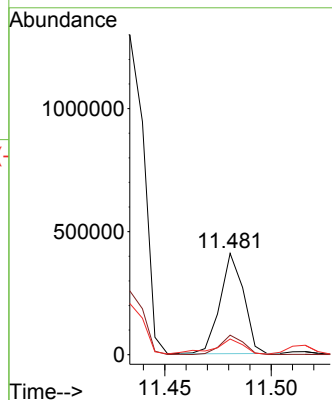
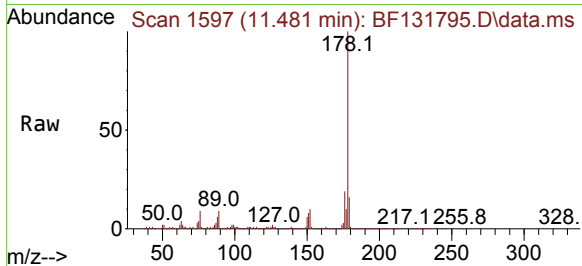




#72
 Anthracene
 Concen: 29.112 ng
 RT: 11.481 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF131795.D
 Acq: 23 Dec 2022 01:08

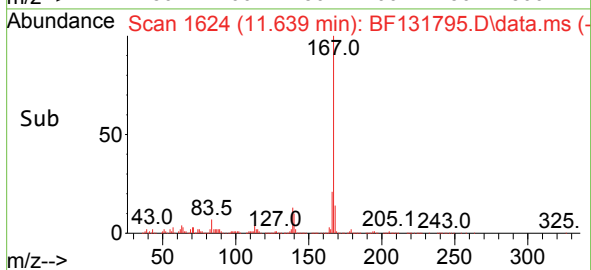
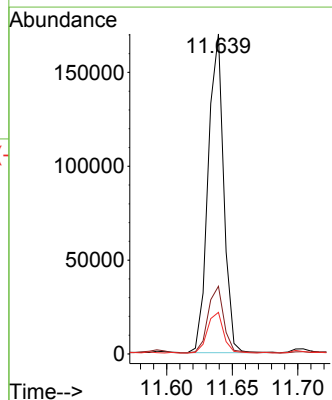
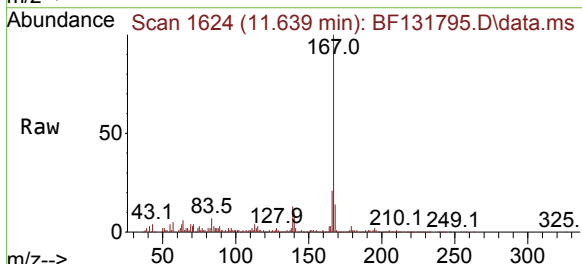
Instrument :
 BNA_F
 ClientSampleId :
 B-27-5B01

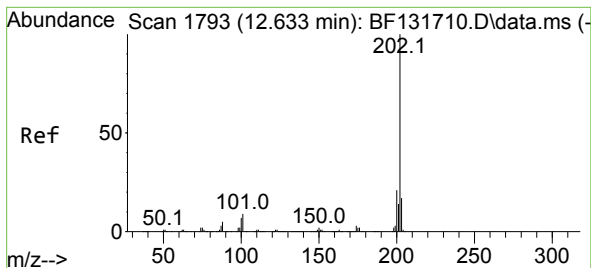
Tgt Ion:178 Resp: 314553
 Ion Ratio Lower Upper
 178 100
 176 19.2 14.6 21.8
 179 15.5 12.2 18.4



#73
 Carbazole
 Concen: 14.994 ng
 RT: 11.639 min Scan# 1624
 Delta R.T. 0.006 min
 Lab File: BF131795.D
 Acq: 23 Dec 2022 01:08

Tgt Ion:167 Resp: 140167
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.1 25.7
 139 13.0 10.5 15.7





#75

Fluoranthene

Concen: 133.656 ng

RT: 12.639 min Scan# 1794

Delta R.T. 0.024 min

Lab File: BF131795.D

Acq: 23 Dec 2022 01:08

Instrument :

BNA_F

ClientSampleId :

B-27-5B01

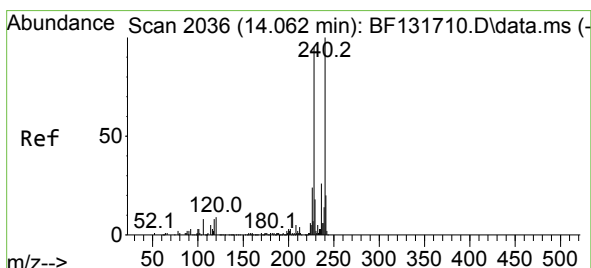
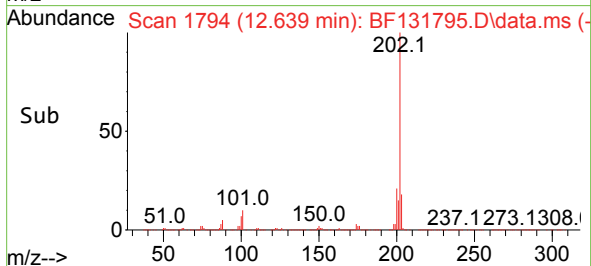
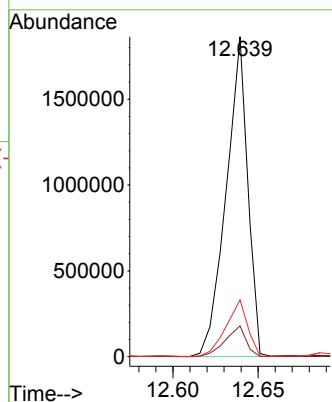
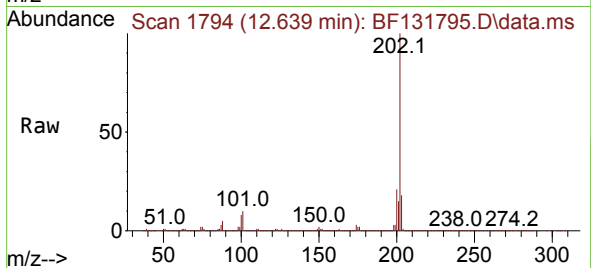
Tgt Ion:202 Resp: 1642628

Ion Ratio Lower Upper

202 100

101 9.6 0.0 28.8

203 17.7 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2036

Delta R.T. 0.012 min

Lab File: BF131795.D

Acq: 23 Dec 2022 01:08

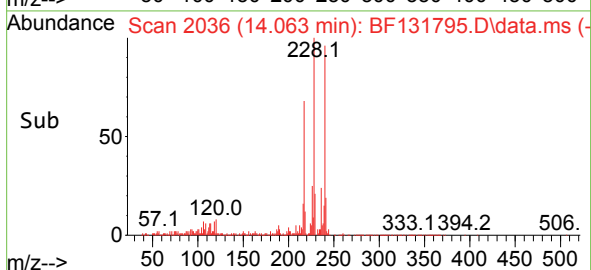
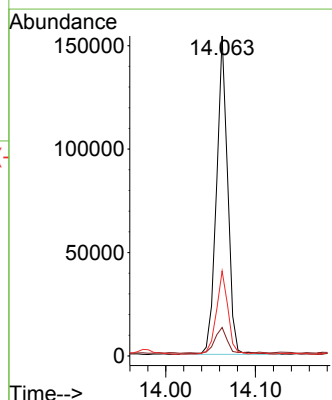
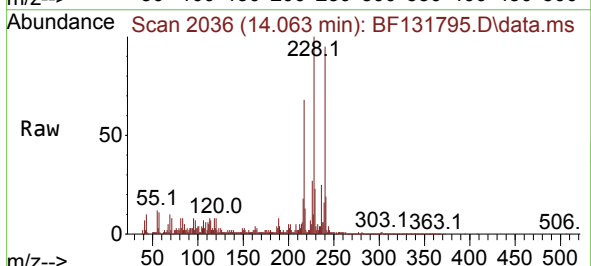
Tgt Ion:240 Resp: 133558

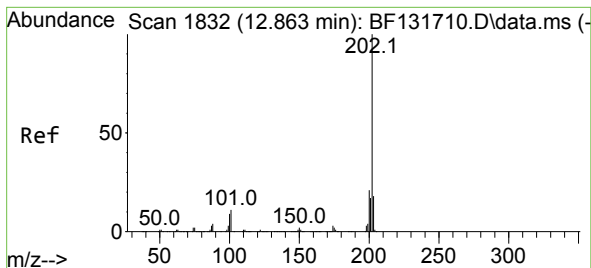
Ion Ratio Lower Upper

240 100

120 8.9 7.6 11.4

236 26.6 21.2 31.8





#78

Pyrene

Concen: 118.140 ng

RT: 12.869 min Scan# 1832

Delta R.T. 0.018 min

Lab File: BF131795.D

Acq: 23 Dec 2022 01:08

Instrument :

BNA_F

ClientSampleId :

B-27-5B01

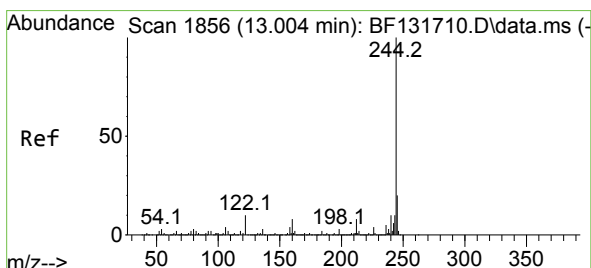
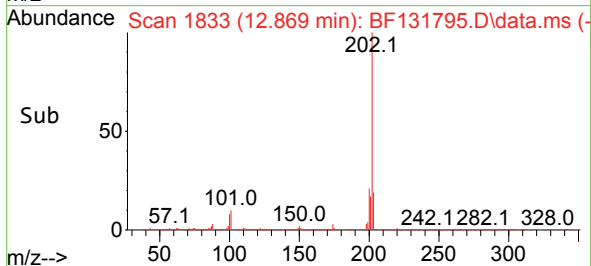
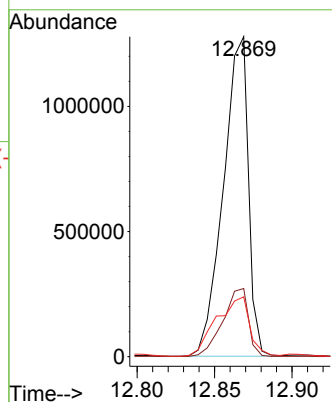
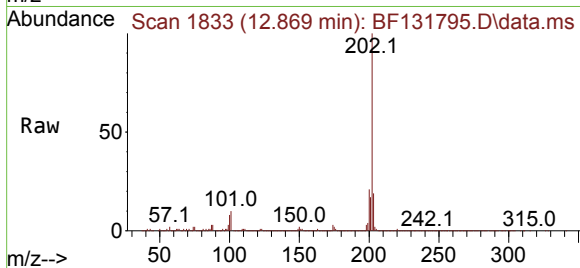
Tgt Ion:202 Resp: 1434565

Ion Ratio Lower Upper

202 100

200 21.3 17.1 25.7

203 18.7 14.1 21.1



#79

Terphenyl-d14

Concen: 53.492 ng

RT: 12.998 min Scan# 1855

Delta R.T. 0.006 min

Lab File: BF131795.D

Acq: 23 Dec 2022 01:08

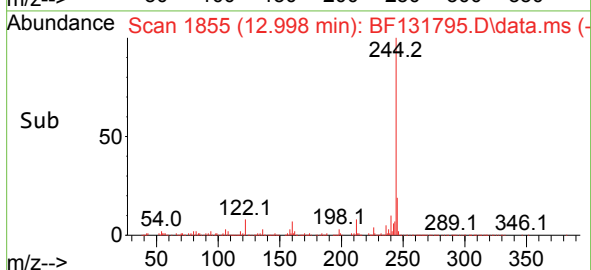
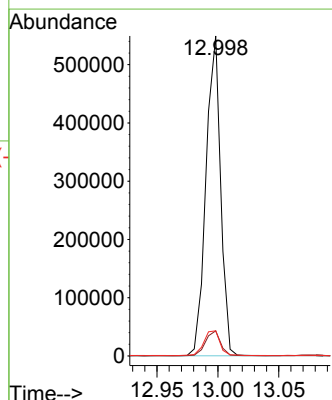
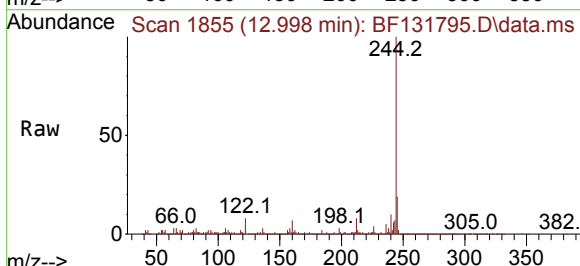
Tgt Ion:244 Resp: 458396

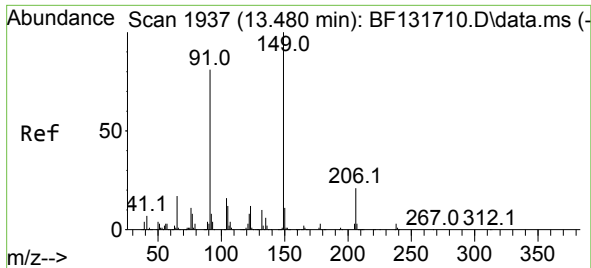
Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

122 7.8 7.7 11.5

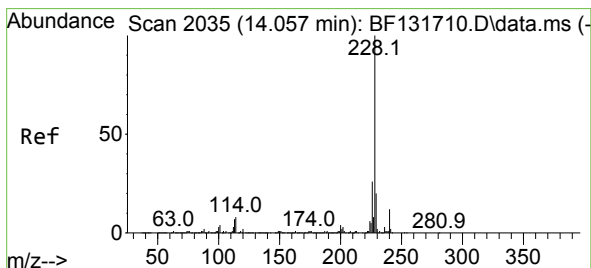
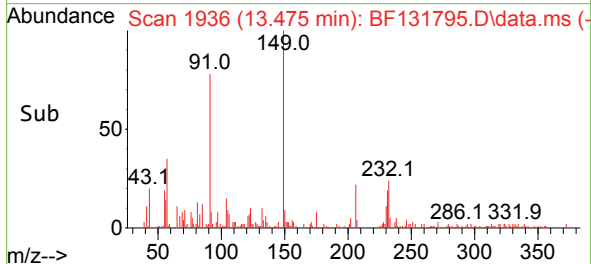
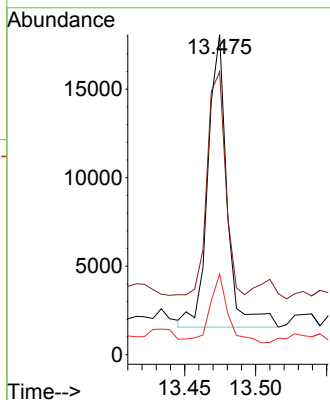
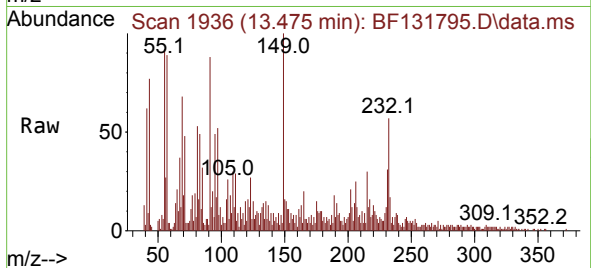




#80
Butylbenzylphthalate
Concen: 3.647 ng
RT: 13.475 min Scan# 1936
Delta R.T. 0.012 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

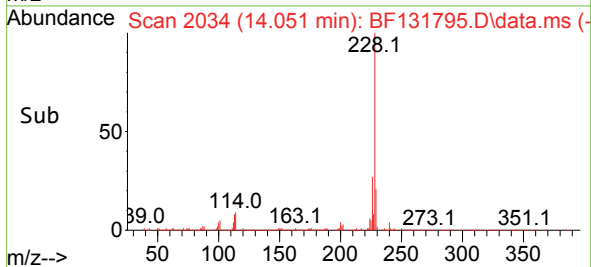
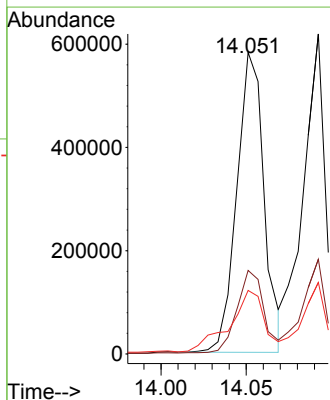
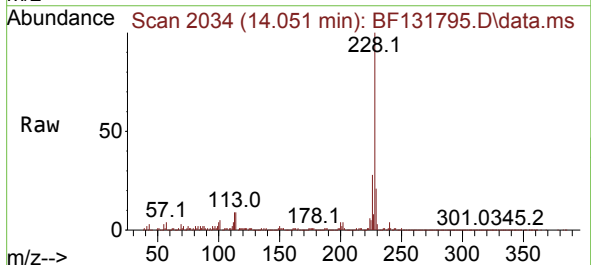
Instrument :
BNA_F
ClientSampleId :
B-27-5B01

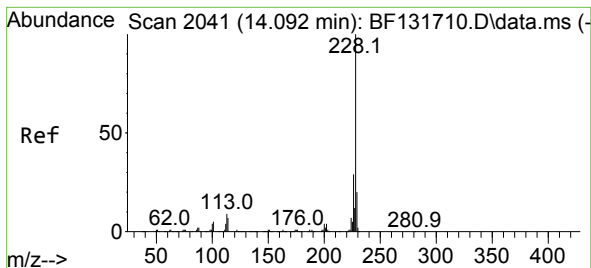
Tgt Ion:149 Resp: 15620
Ion Ratio Lower Upper
149 100
91 88.4 64.9 97.3
206 25.2 17.0 25.4



#81
Benzo(a)anthracene
Concen: 67.193 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.012 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

Tgt Ion:228 Resp: 646331
Ion Ratio Lower Upper
228 100
226 27.7 21.0 31.4
229 21.1 15.8 23.8





#83

Chrysene

Concen: 61.442 ng

RT: 14.092 min Scan# 2041

Delta R.T. 0.018 min

Lab File: BF131795.D

Acq: 23 Dec 2022 01:08

Instrument :

BNA_F

ClientSampleId :

B-27-5B01

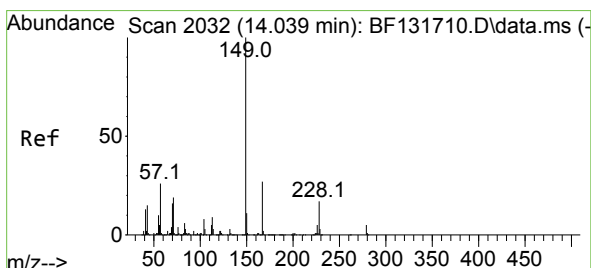
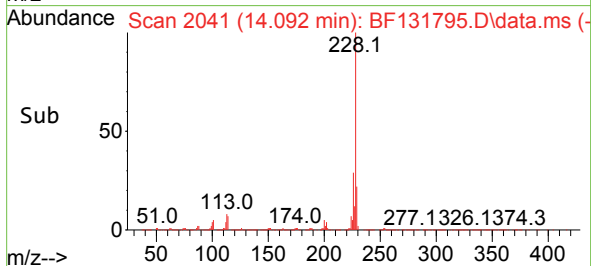
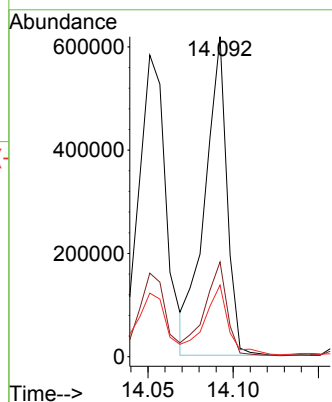
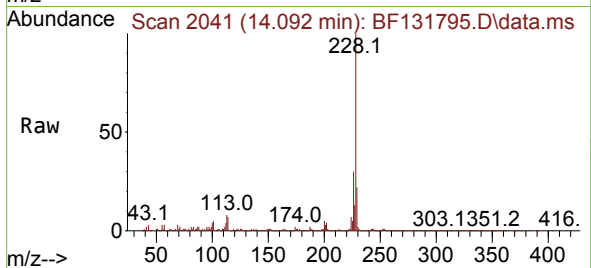
Tgt Ion:228 Resp: 557817

Ion Ratio Lower Upper

228 100

226 29.6 23.5 35.3

229 22.3 15.6 23.4



#84

Bis(2-ethylhexyl)phthalate

Concen: 15.590 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.012 min

Lab File: BF131795.D

Acq: 23 Dec 2022 01:08

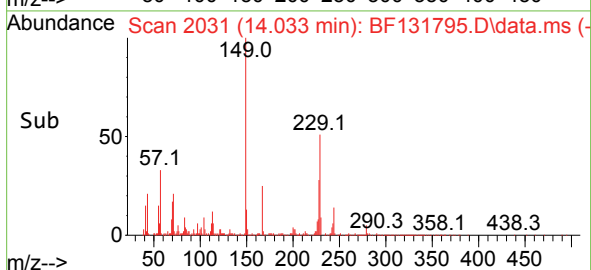
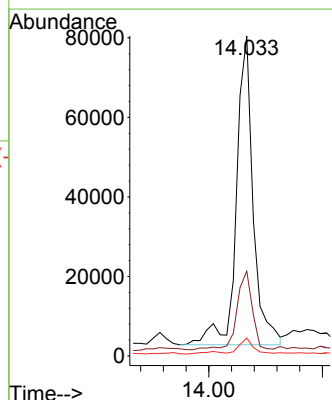
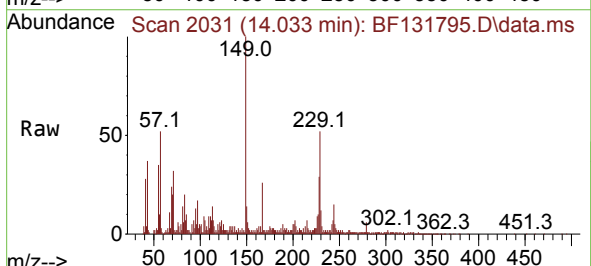
Tgt Ion:149 Resp: 79617

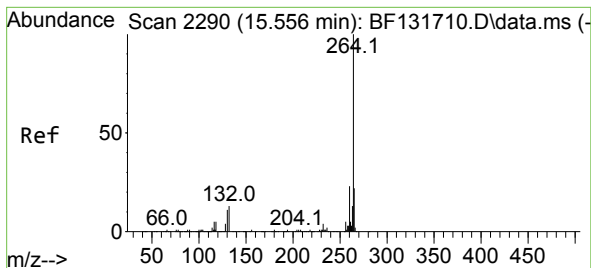
Ion Ratio Lower Upper

149 100

167 26.5 21.7 32.5

279 5.6 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF131795.D

Acq: 23 Dec 2022 01:08

Instrument :

BNA_F

ClientSampleId :

B-27-5B01

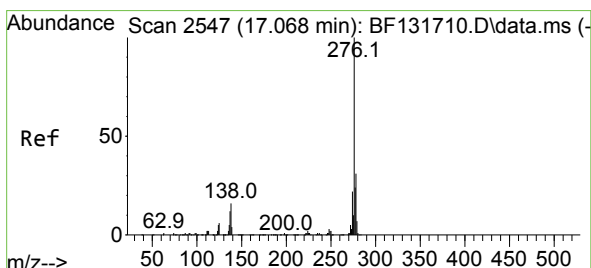
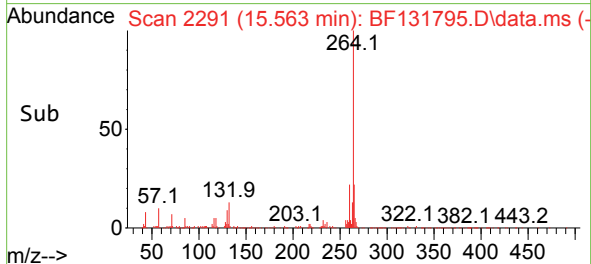
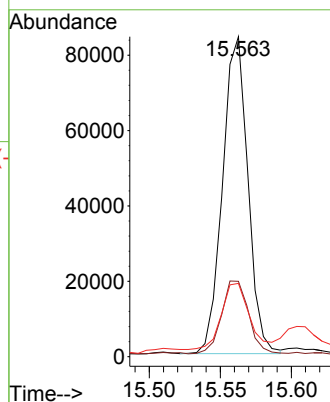
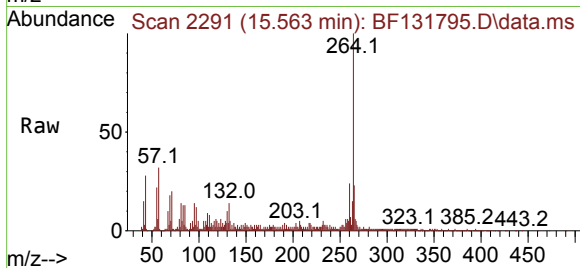
Tgt Ion:264 Resp: 104327

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.9 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 27.410 ng

RT: 17.074 min Scan# 2548

Delta R.T. 0.035 min

Lab File: BF131795.D

Acq: 23 Dec 2022 01:08

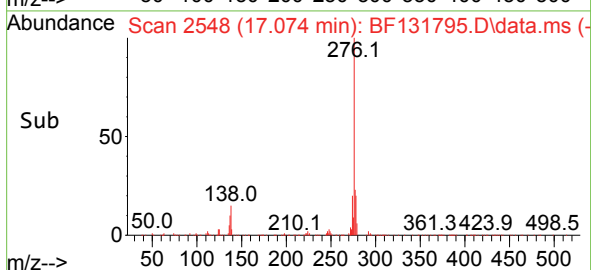
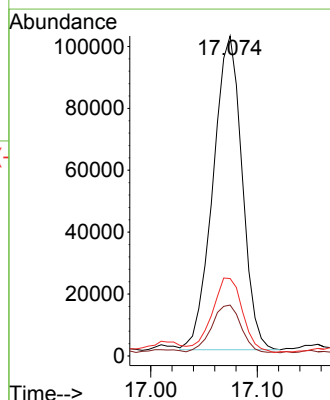
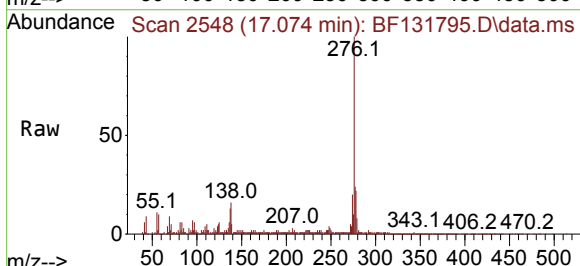
Tgt Ion:276 Resp: 192072

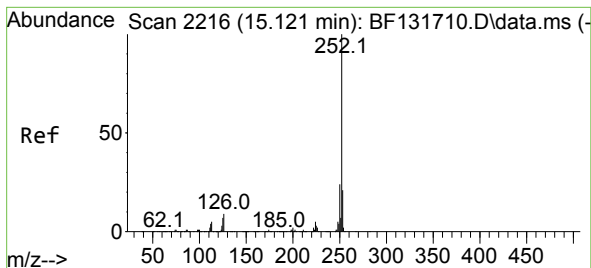
Ion Ratio Lower Upper

276 100

138 16.3 14.4 21.6

277 24.5 19.8 29.8





#88

Benzo(b)fluoranthene

Concen: 97.828 ng

RT: 15.122 min Scan# 2216

Delta R.T. 0.024 min

Lab File: BF131795.D

Acq: 23 Dec 2022 01:08

Instrument :

BNA_F

ClientSampleId :

B-27-5B01

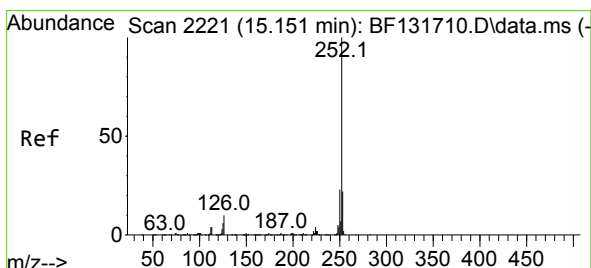
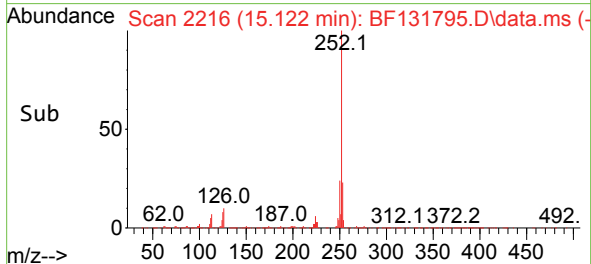
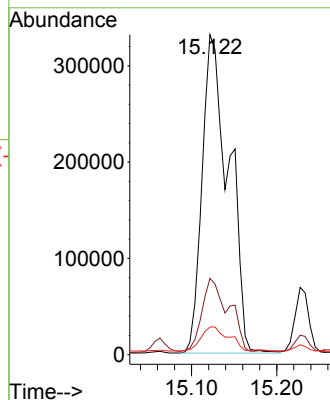
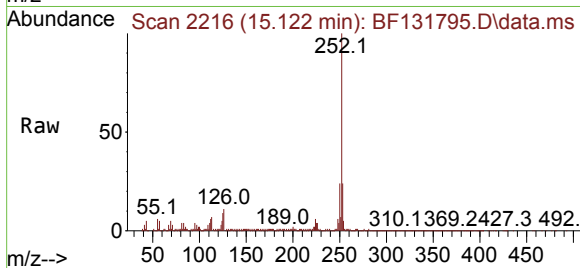
Tgt Ion:252 Resp: 722071

Ion Ratio Lower Upper

252 100

253 23.8 17.2 25.8

125 8.7 5.5 8.3#



#89

Benzo(k)fluoranthene

Concen: 100.256 ng

RT: 15.122 min Scan# 2216

Delta R.T. -0.006 min

Lab File: BF131795.D

Acq: 23 Dec 2022 01:08

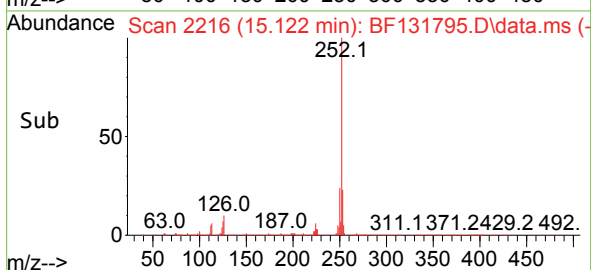
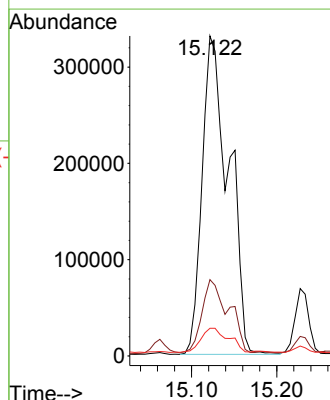
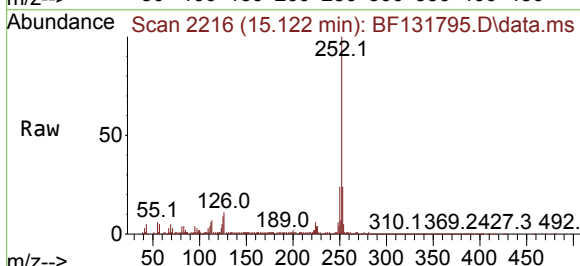
Tgt Ion:252 Resp: 722071

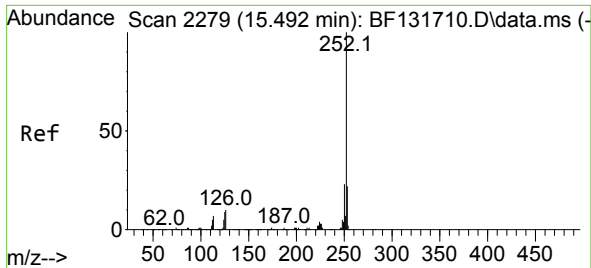
Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 8.7 5.2 7.8#

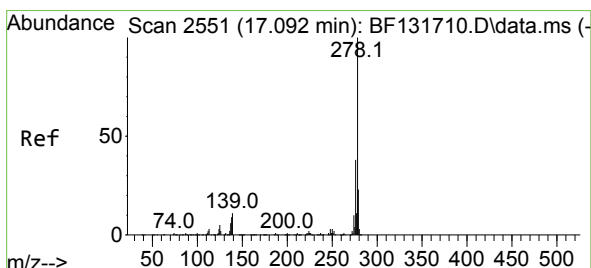
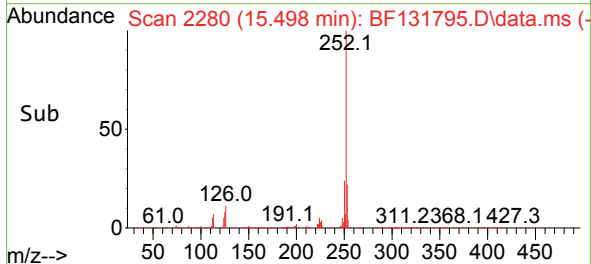
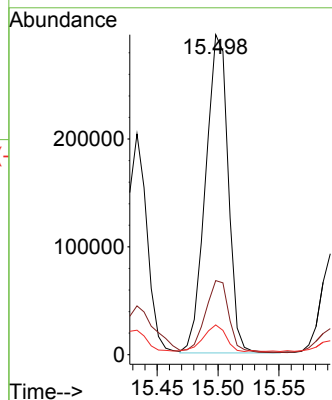
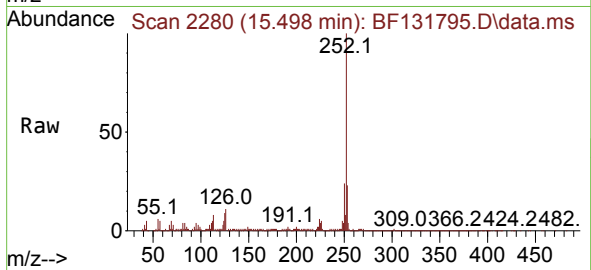




#90
Benzo(a)pyrene
Concen: 65.123 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

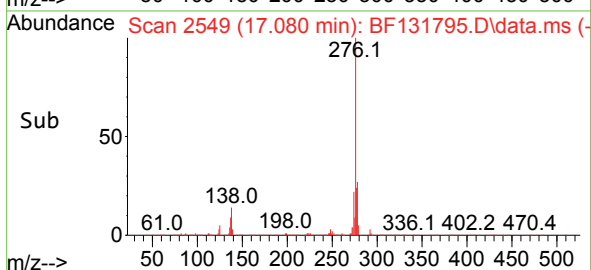
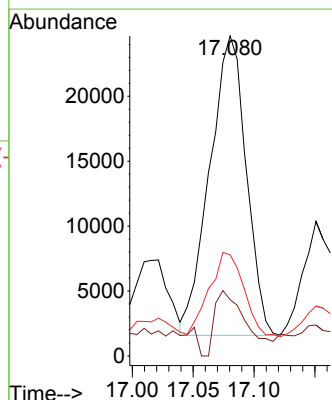
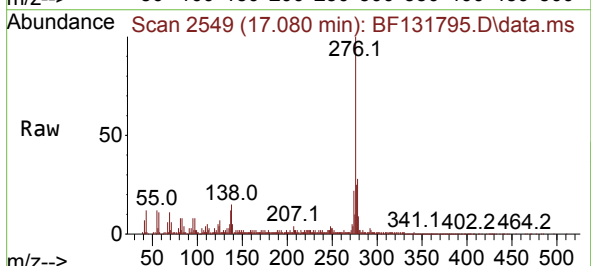
Instrument :
BNA_F
ClientSampleId :
B-27-5B01

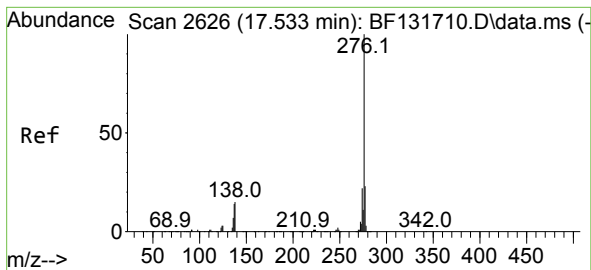
Tgt Ion:252 Resp: 380742
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 9.3 7.0 10.4



#91
Dibenzo(a,h)anthracene
Concen: 8.309 ng
RT: 17.080 min Scan# 2549
Delta R.T. 0.024 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

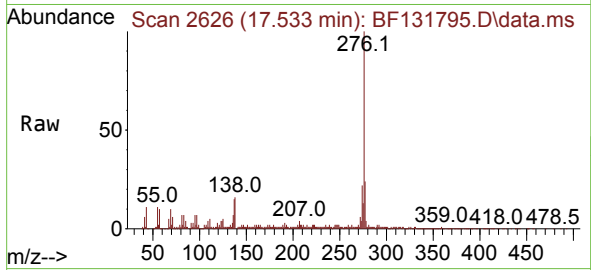
Tgt Ion:278 Resp: 48117
Ion Ratio Lower Upper
278 100
139 17.6 8.7 13.1#
279 31.6 18.7 28.1#





#92
Benzo(g,h,i)perylene
Concen: 32.853 ng
RT: 17.533 min Scan# 20
Delta R.T. 0.035 min
Lab File: BF131795.D
Acq: 23 Dec 2022 01:08

Instrument :
BNA_F
ClientSampleId :
B-27-5B01



Tgt Ion:276 Resp: 188043
Ion Ratio Lower Upper
276 100
277 24.4 18.3 27.5
138 16.1 12.3 18.5

