

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122222\
 Data File : BF131799.D
 Acq On : 23 Dec 2022 03:17
 Operator : CG\JU
 Sample : N6151-07DL 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-02-(0-2)DL

Quant Time: Dec 23 05:01:28 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)

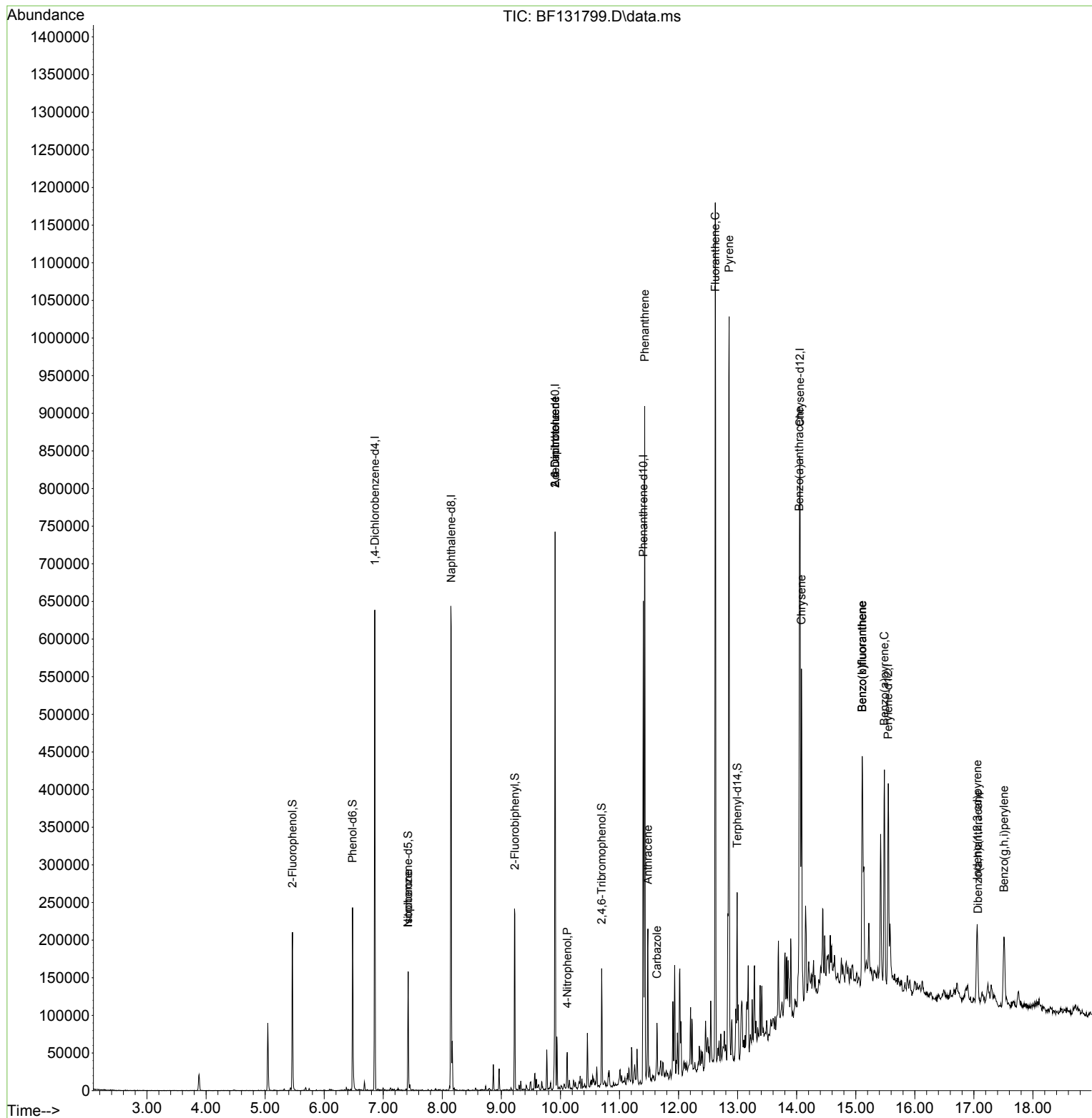
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	78804	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	262949	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	124631	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	214650	20.000	ng	0.00
76) Chrysene-d12	14.057	240	162232	20.000	ng	0.00
86) Perylene-d12	15.551	264	122914	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	52001	11.112	ng	0.00
7) Phenol-d6	6.481	99	66745	10.596	ng	0.00
23) Nitrobenzene-d5	7.422	82	45660	7.049	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	11957	8.765	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	70595	7.935	ng	0.00
79) Terphenyl-d14	12.992	244	61865	5.943	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	298	Below Cal	#	1
25) Isophorone	7.422	82	44781	4.071	ng	# 70
51) 2,6-Dinitrotoluene	9.910	165	17042	8.451	ng	# 20
56) 4-Nitrophenol	10.116	139	5725	3.877	ng	# 1
57) 2,4-Dinitrotoluene	9.910	165	17042	6.289	ng	# 19
71) Phenanthrene	11.427	178	283174	24.193	ng	98
72) Anthracene	11.480	178	72993	6.369	ng	99
73) Carbazole	11.633	167	23959	2.416	ng	99
75) Fluoranthene	12.621	202	432704	33.194	ng	99
78) Pyrene	12.857	202	404815	27.445	ng	99
81) Benzo(a)anthracene	14.045	228	200602	17.169	ng	95
83) Chrysene	14.080	228	169479	15.368	ng	98
87) Indeno(1,2,3-cd)pyrene	17.056	276	70635	8.556	ng	98
88) Benzo(b)fluoranthene	15.110	252	228013	26.220	ng	# 98
89) Benzo(k)fluoranthene	15.110	252	228013	26.871	ng	# 97
90) Benzo(a)pyrene	15.486	252	128620	18.673	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	17822	2.612	ng	# 91
92) Benzo(g,h,i)perylene	17.509	276	79775	11.830	ng	96

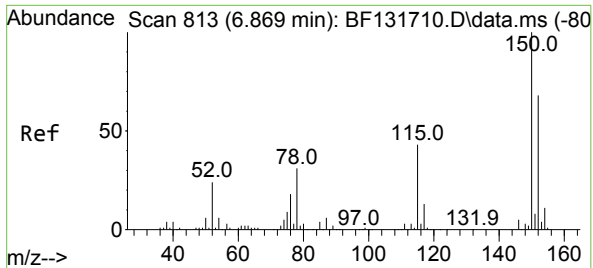
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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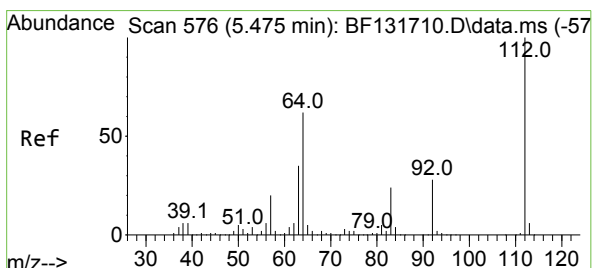
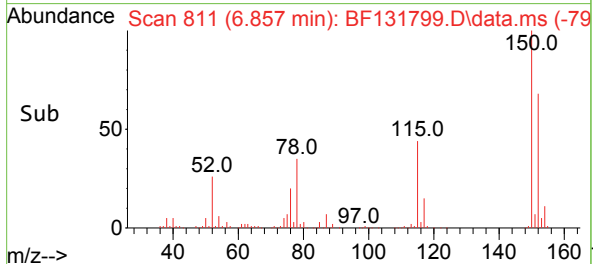
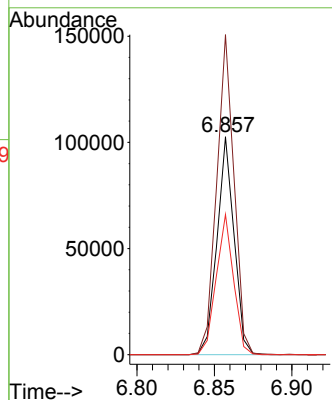
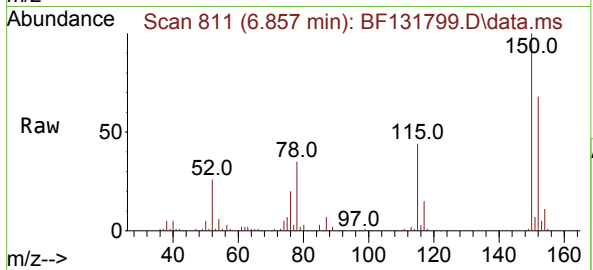




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 813
Delta R.T. 0.000 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

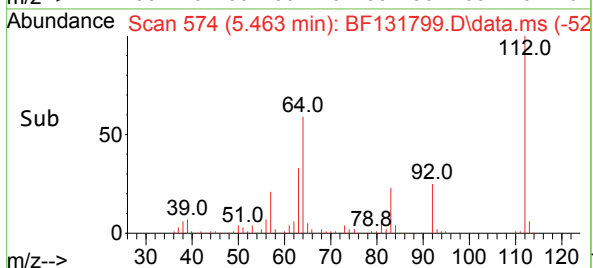
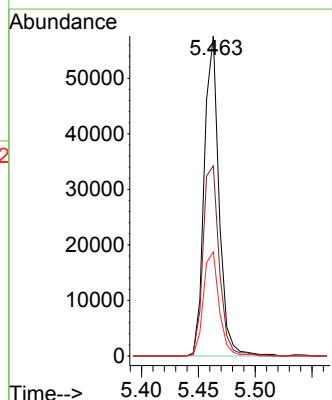
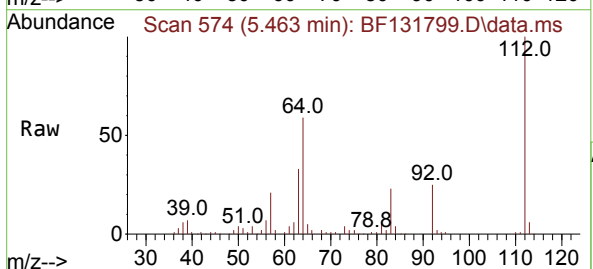
Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL

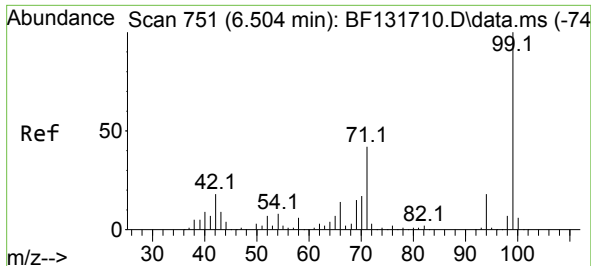
Tgt Ion:152 Resp: 78804
Ion Ratio Lower Upper
152 100
150 146.8 117.4 176.0
115 64.3 50.2 75.4



#5
2-Fluorophenol
Concen: 11.112 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Tgt Ion:112 Resp: 52001
Ion Ratio Lower Upper
112 100
64 59.4 49.5 74.3
63 32.6 28.2 42.2

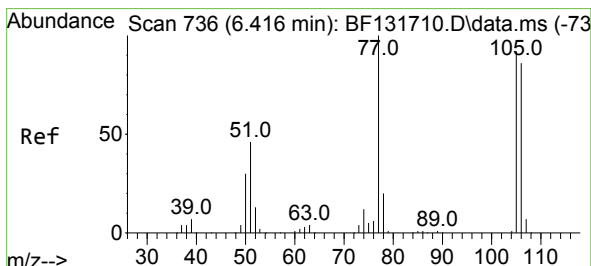
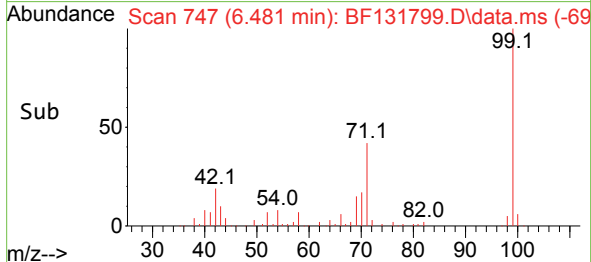
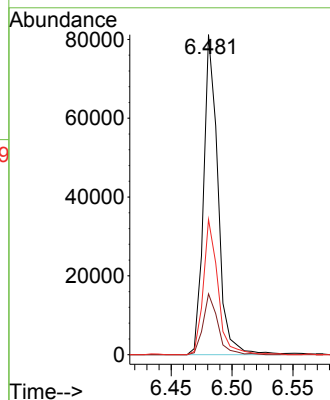
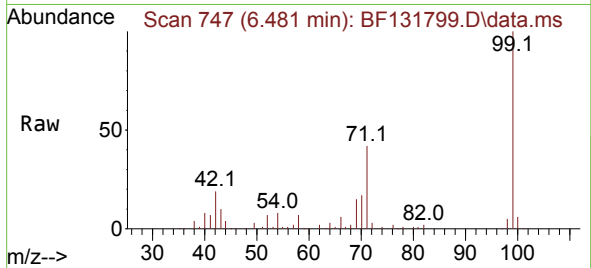




#7
Phenol-d6
Concen: 10.596 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

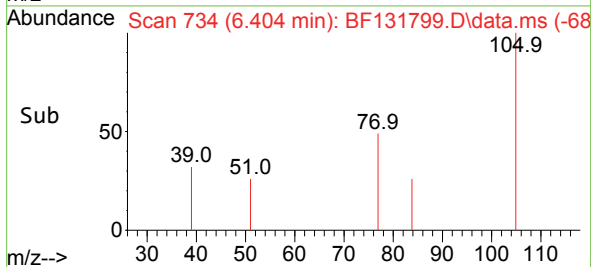
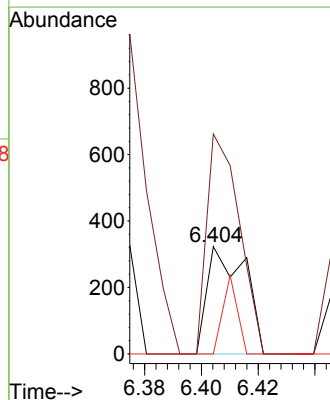
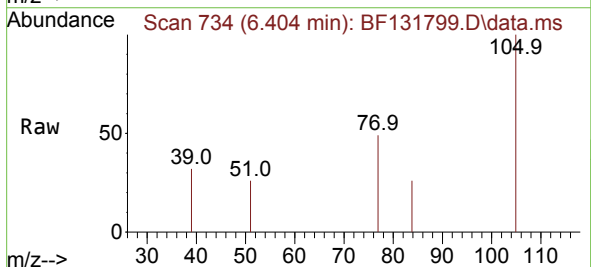
Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL

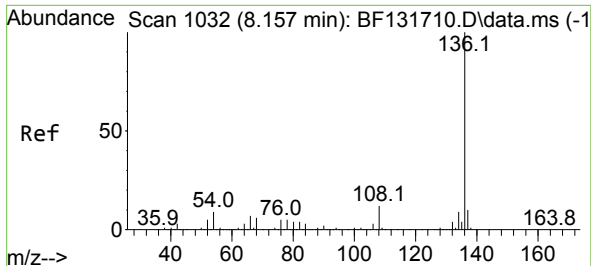
Tgt Ion: 99 Resp: 66745
Ion Ratio Lower Upper
99 100
42 19.0 14.8 22.2
71 42.2 33.8 50.6



#9
Benzaldehyde
Concen: Below Cal
RT: 6.404 min Scan# 734
Delta R.T. -0.000 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Tgt Ion: 77 Resp: 298
Ion Ratio Lower Upper
77 100
105 205.0 72.4 112.4#
106 0.0 66.5 106.5#

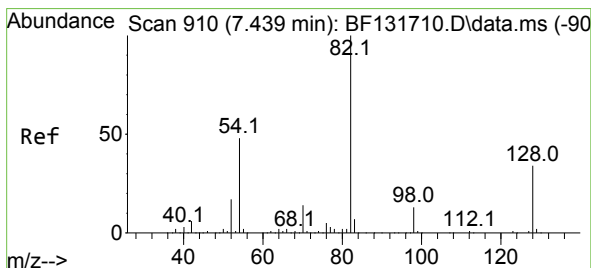
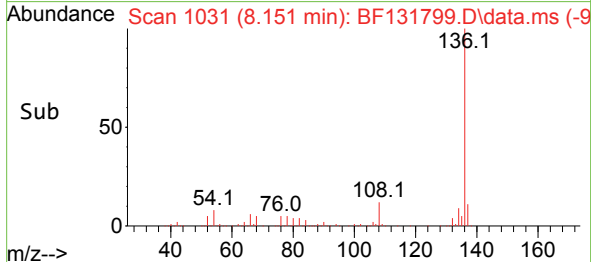
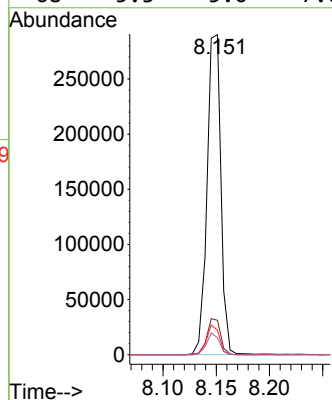
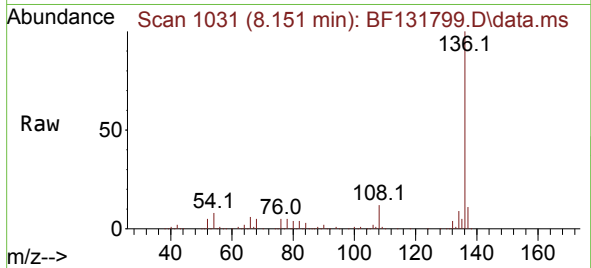




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 10
Delta R.T. 0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

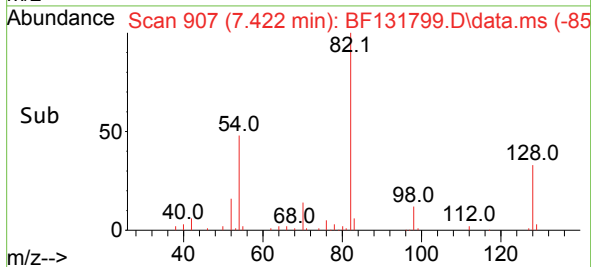
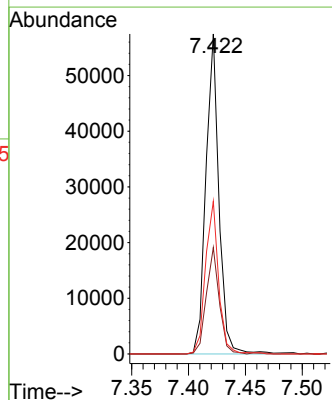
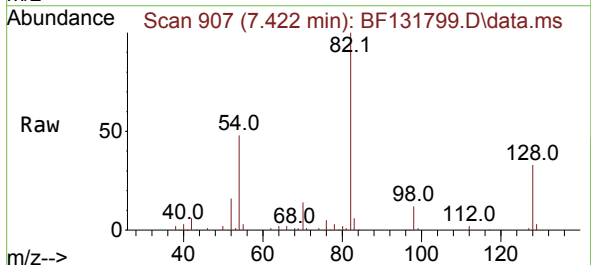
Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL

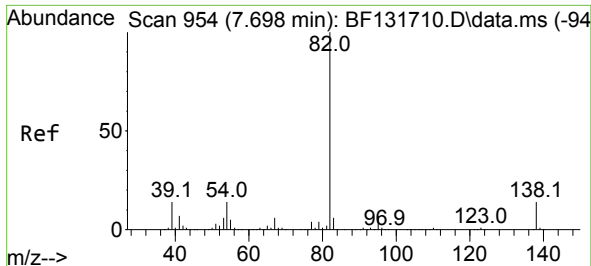
Tgt Ion:136 Resp: 262949
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.6 7.2 10.8
68 5.3 5.0 7.6



#23
Nitrobenzene-d5
Concen: 7.049 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Tgt Ion: 82 Resp: 45660
Ion Ratio Lower Upper
82 100
128 33.3 27.3 40.9
54 47.7 38.2 57.2

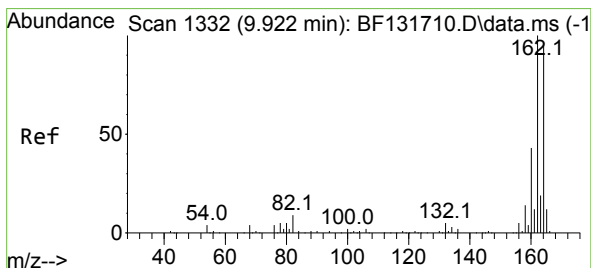
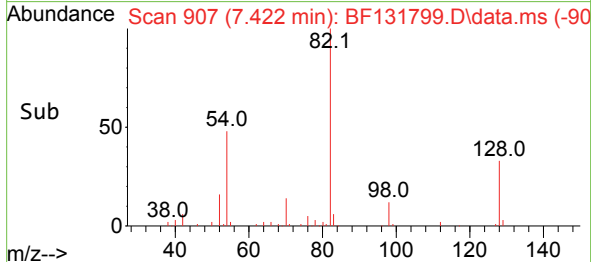
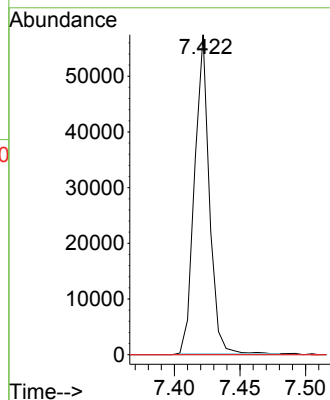
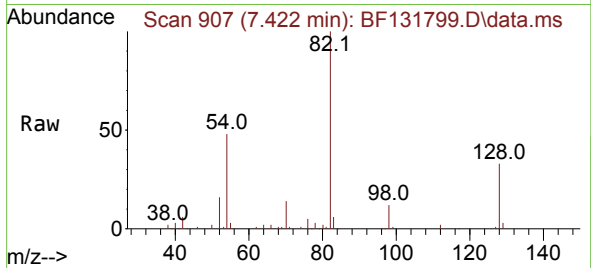




#25
Isophorone
Concen: 4.071 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

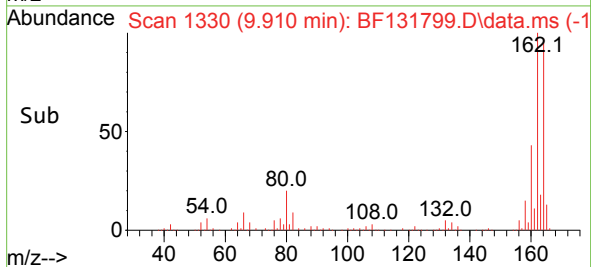
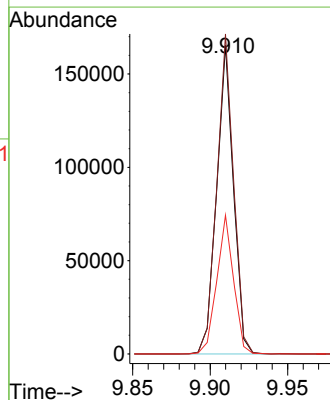
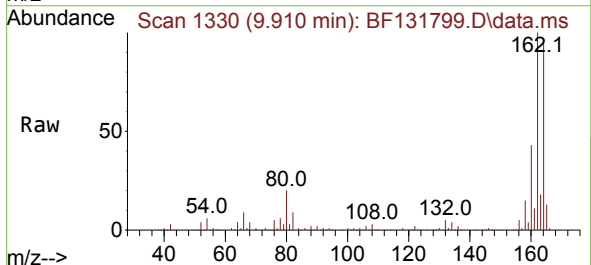
Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL

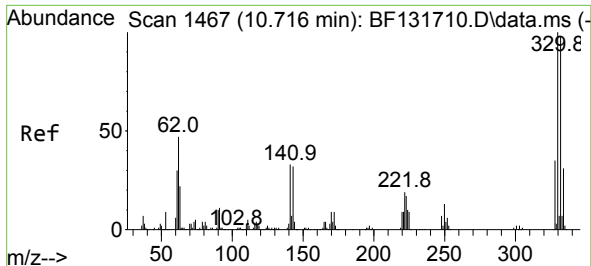
Tgt Ion: 82 Resp: 44781
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.6 17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Tgt Ion:164 Resp: 124631
Ion Ratio Lower Upper
164 100
162 103.6 83.7 125.5
160 44.9 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 8.765 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF131799.D

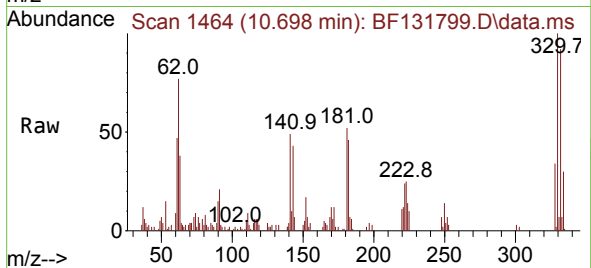
Acq: 23 Dec 2022 03:17

Instrument :

BNA_F

ClientSampleId :

FS-02-(0-2)DL



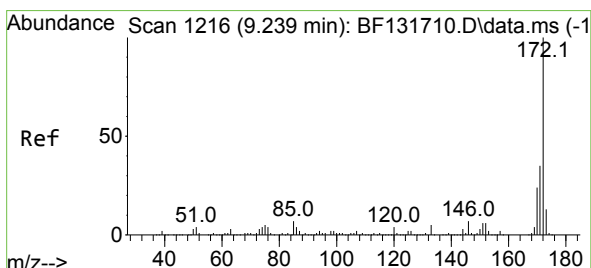
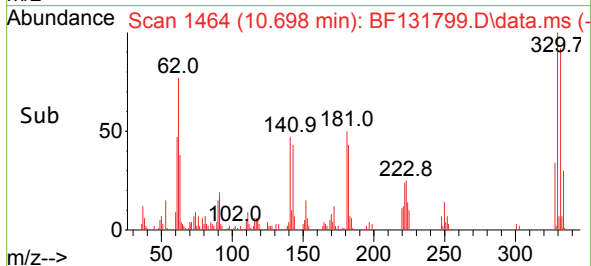
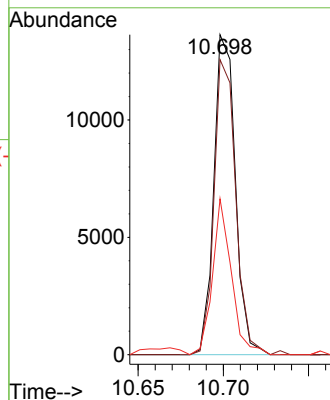
Tgt Ion:330 Resp: 11957

Ion Ratio Lower Upper

330 100

332 93.6 77.1 115.7

141 43.0 30.4 45.6



#45

2-Fluorobiphenyl

Concen: 7.935 ng

RT: 9.228 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

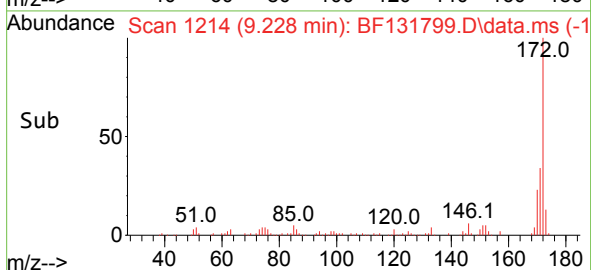
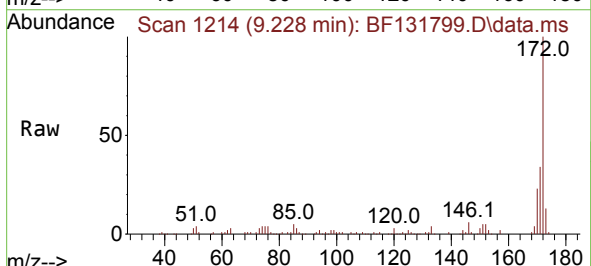
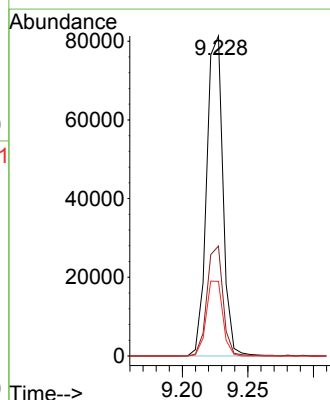
Tgt Ion:172 Resp: 70595

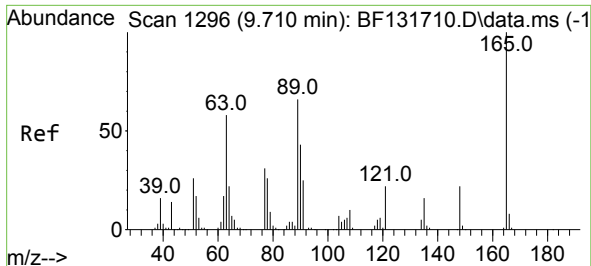
Ion Ratio Lower Upper

172 100

171 34.4 27.9 41.9

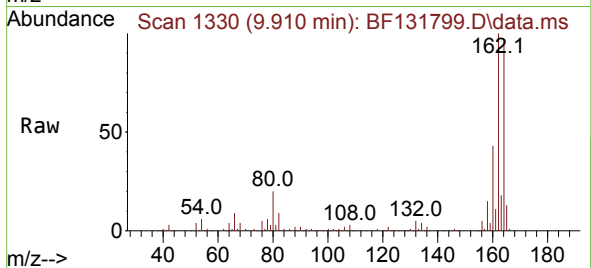
170 23.3 19.0 28.4



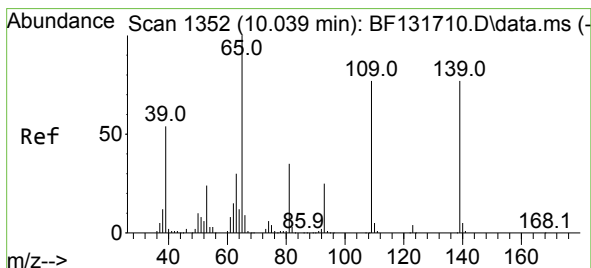
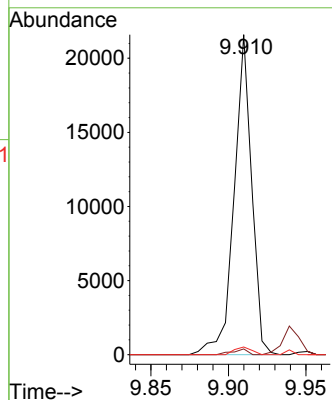
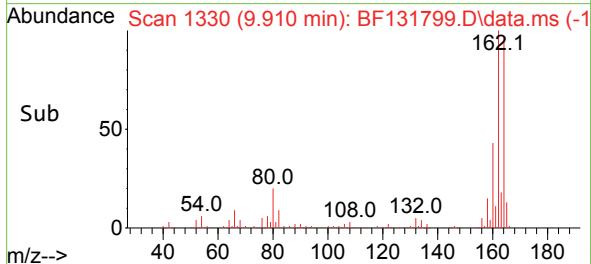


#51
2,6-Dinitrotoluene
Concen: 8.451 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL

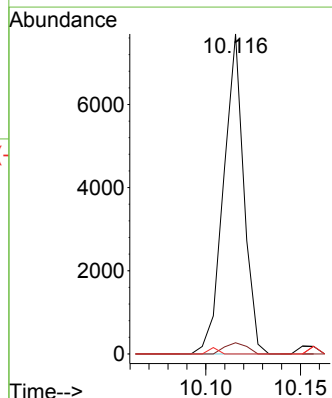
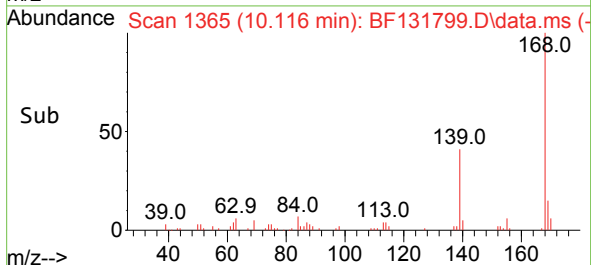
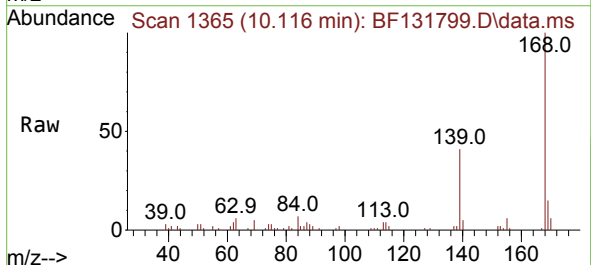


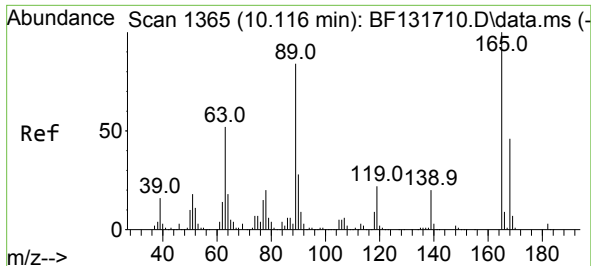
Tgt Ion:165 Resp: 17042
Ion Ratio Lower Upper
165 100
63 1.8 51.8 77.8#
89 2.4 53.2 79.8#



#56
4-Nitrophenol
Concen: 3.877 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.088 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

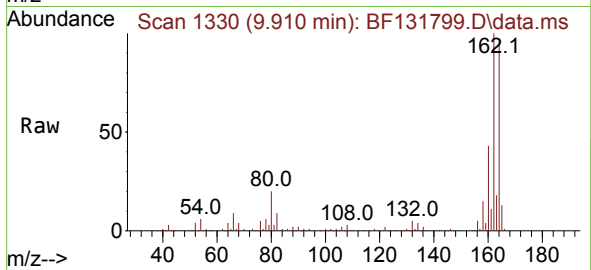
Tgt Ion:139 Resp: 5725
Ion Ratio Lower Upper
139 100
109 3.5 79.9 119.9#
65 0.0 110.2 150.2#



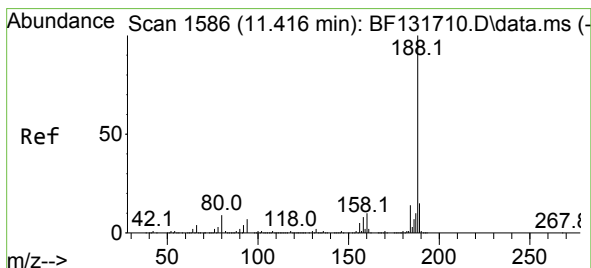
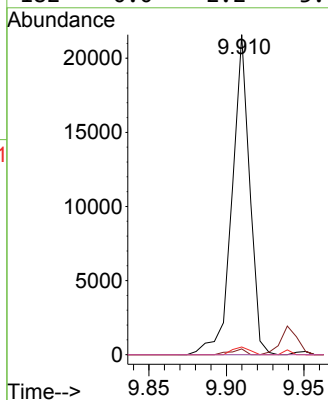
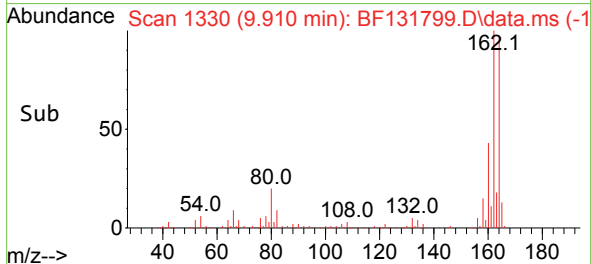


#57
2,4-Dinitrotoluene
Concen: 6.289 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL

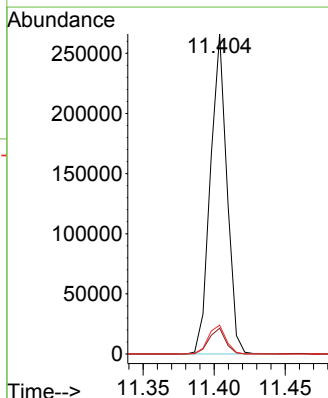
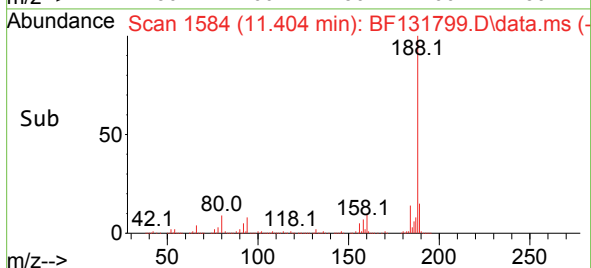
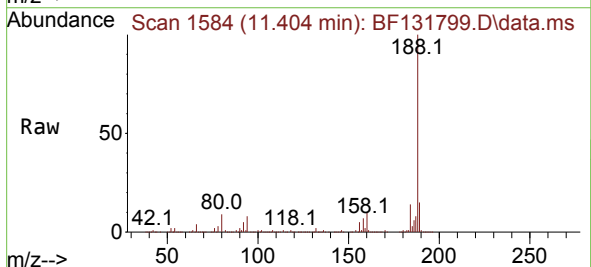


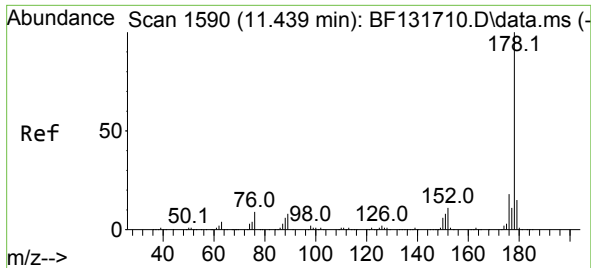
Tgt Ion:165 Resp: 17042
Ion Ratio Lower Upper
165 100
63 1.8 41.5 62.3#
89 2.4 67.0 100.4#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.006 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Tgt Ion:188 Resp: 214650
Ion Ratio Lower Upper
188 100
94 8.1 5.9 8.9
80 9.0 7.0 10.6

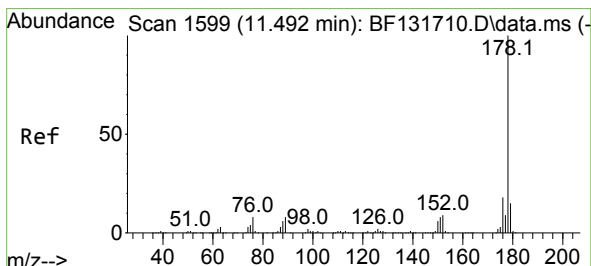
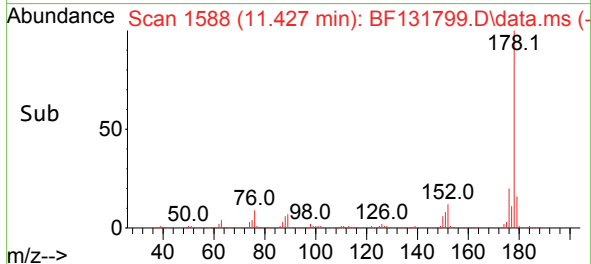
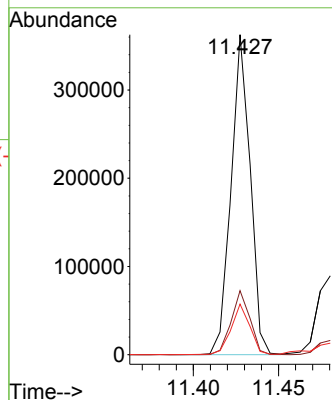
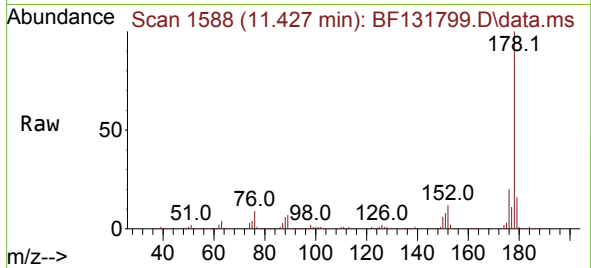




#71
Phenanthrene
Concen: 24.193 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

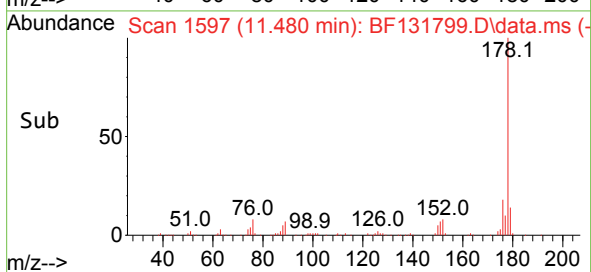
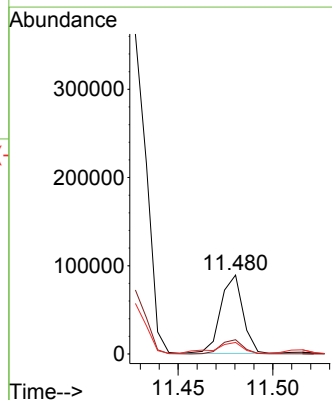
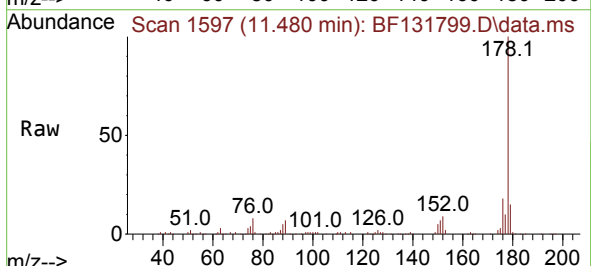
Instrument :
BNA_F
ClientSampleId :
FS-02-(0-2)DL

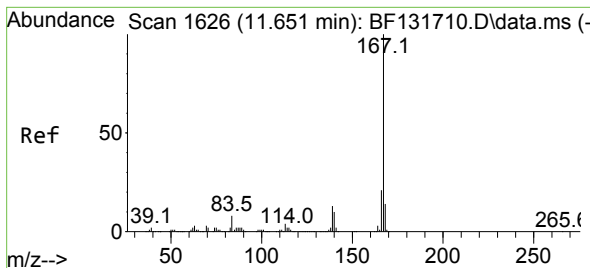
Tgt Ion:178 Resp: 283174
Ion Ratio Lower Upper
178 100
176 20.0 14.8 22.2
179 15.8 12.2 18.4



#72
Anthracene
Concen: 6.369 ng
RT: 11.480 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF131799.D
Acq: 23 Dec 2022 03:17

Tgt Ion:178 Resp: 72993
Ion Ratio Lower Upper
178 100
176 18.0 14.6 21.8
179 14.6 12.2 18.4





#73

Carbazole

Concen: 2.416 ng

RT: 11.633 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

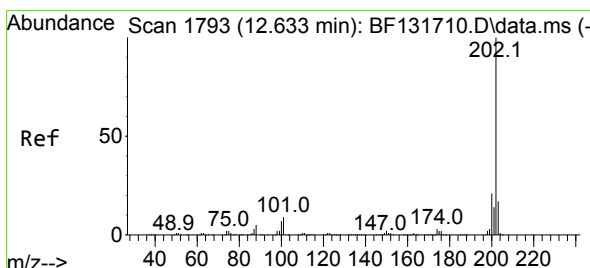
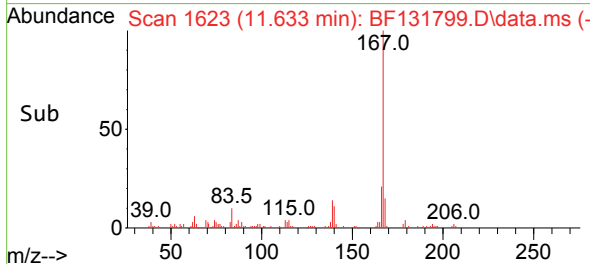
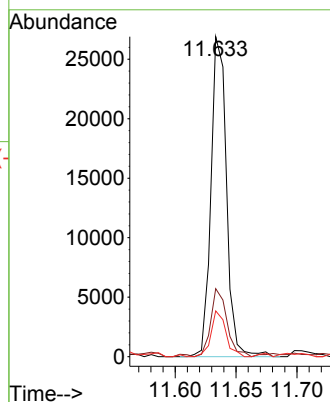
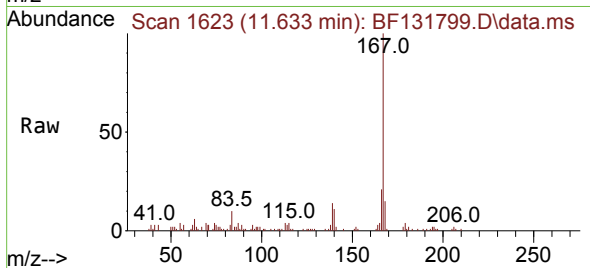
Instrument :

BNA_F

ClientSampleId :

FS-02-(0-2)DL

Tgt Ion:167	Resp:	23959
Ion Ratio	Lower	Upper
167	100	
166	21.3	17.1 25.7
139	14.3	10.5 15.7



#75

Fluoranthene

Concen: 33.194 ng

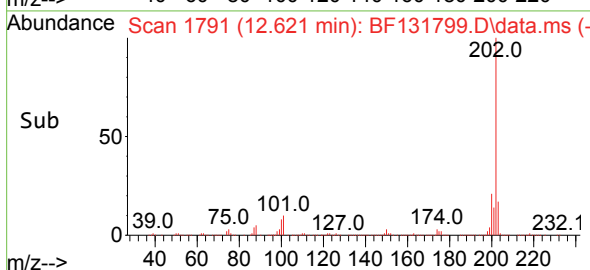
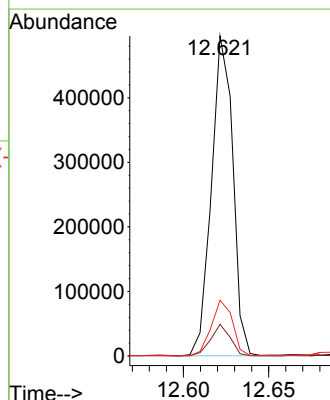
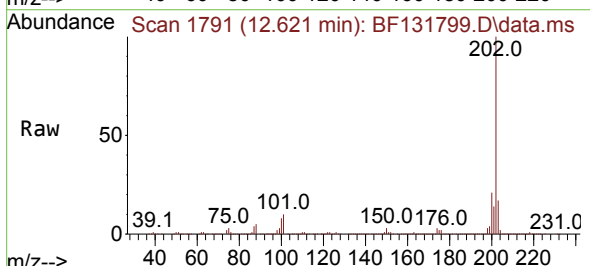
RT: 12.621 min Scan# 1791

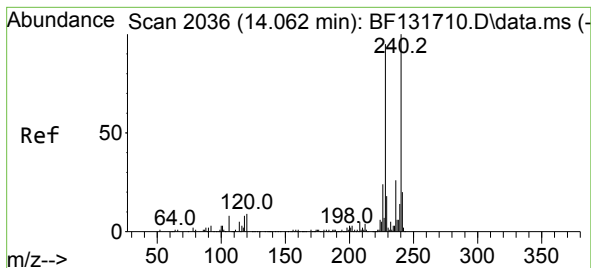
Delta R.T. 0.006 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

Tgt Ion:202	Resp:	432704
Ion Ratio	Lower	Upper
202	100	
101	9.9	0.0 28.8
203	17.4	0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2036

Delta R.T. 0.006 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

Instrument :

BNA_F

ClientSampleId :

FS-02-(0-2)DL

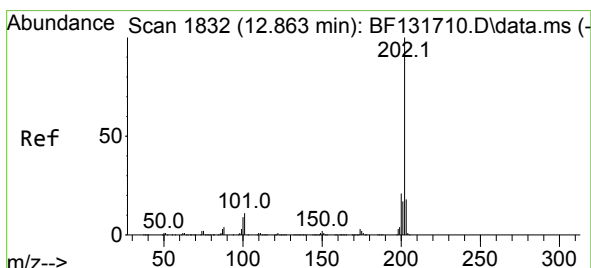
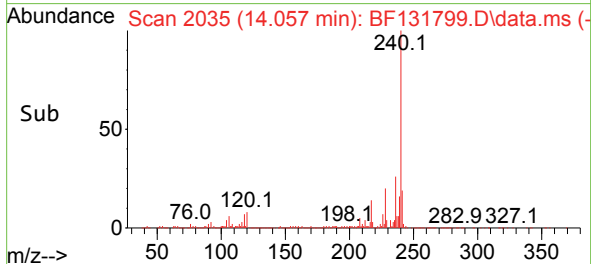
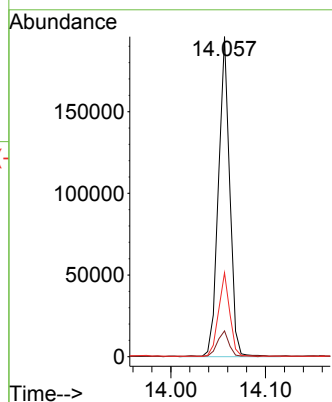
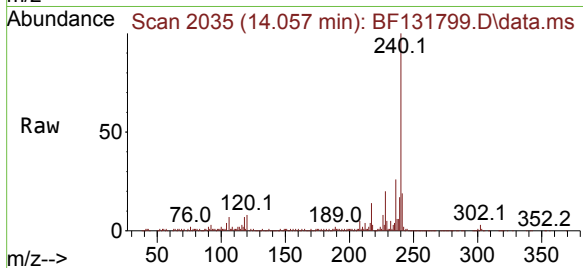
Tgt Ion:240 Resp: 162232

Ion Ratio Lower Upper

240 100

120 8.1 7.6 11.4

236 26.2 21.2 31.8



#78

Pyrene

Concen: 27.445 ng

RT: 12.857 min Scan# 1831

Delta R.T. 0.006 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

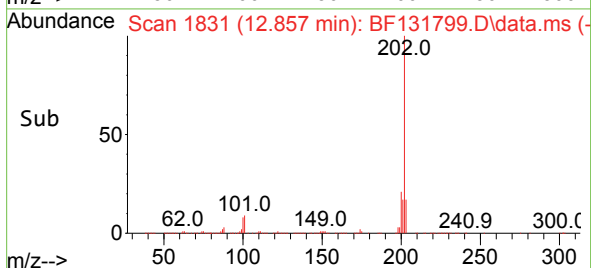
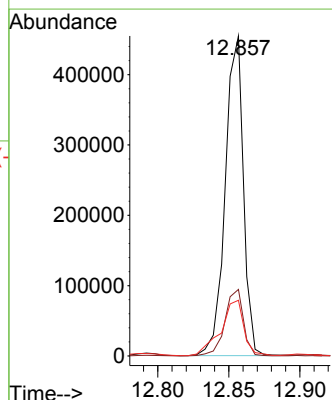
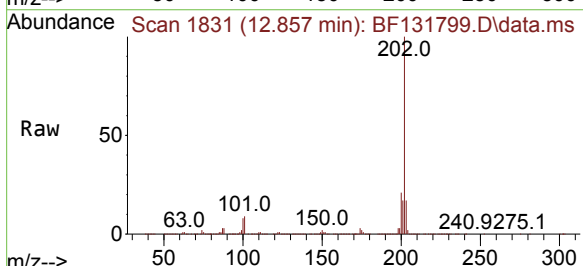
Tgt Ion:202 Resp: 404815

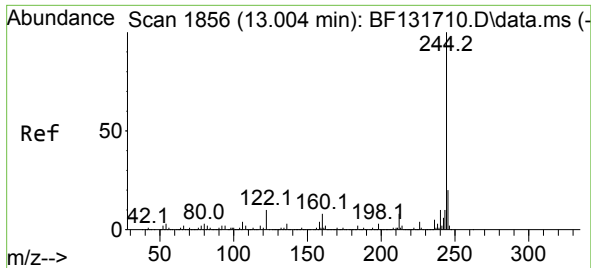
Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 17.4 14.1 21.1

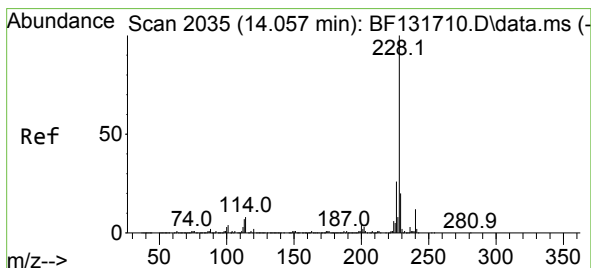
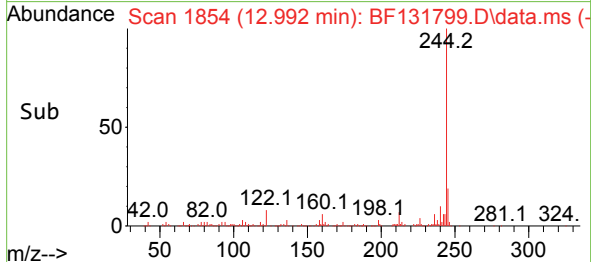
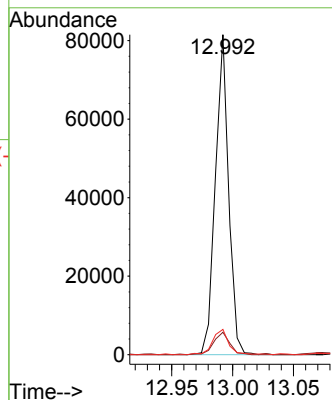
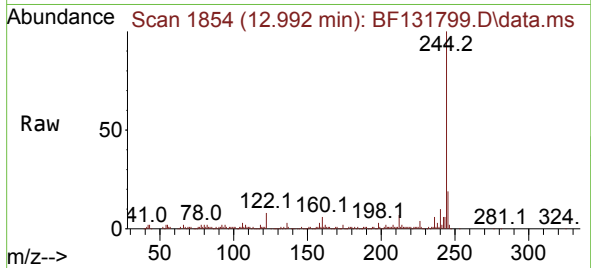




#79
 Terphenyl-d14
 Concen: 5.943 ng
 RT: 12.992 min Scan# 1856
 Delta R.T. -0.000 min
 Lab File: BF131799.D
 Acq: 23 Dec 2022 03:17

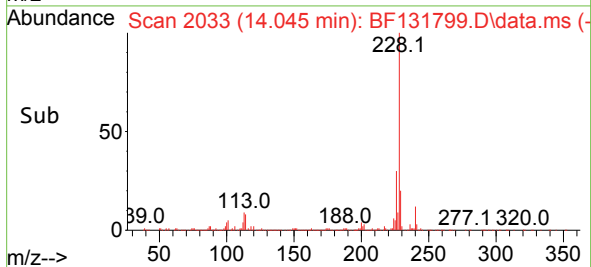
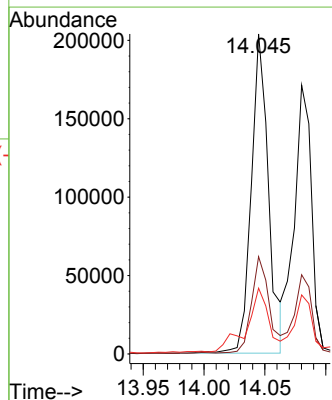
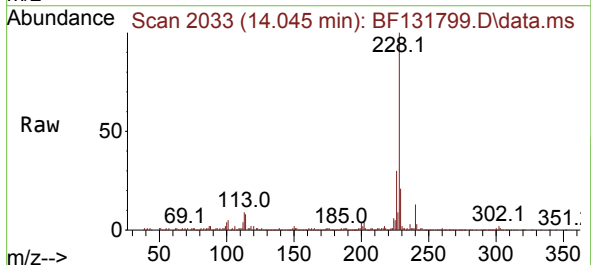
Instrument :
 BNA_F
 ClientSampleId :
 FS-02-(0-2)DL

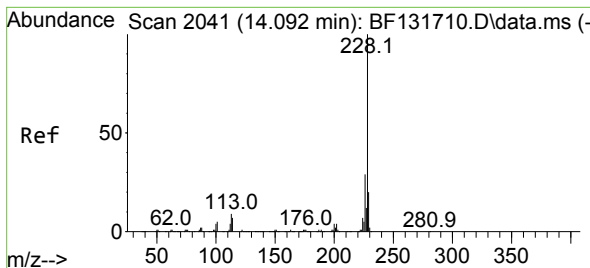
Tgt Ion:244 Resp: 61865
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 7.9 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 17.169 ng
 RT: 14.045 min Scan# 2033
 Delta R.T. 0.006 min
 Lab File: BF131799.D
 Acq: 23 Dec 2022 03:17

Tgt Ion:228 Resp: 200602
 Ion Ratio Lower Upper
 228 100
 226 30.4 21.0 31.4
 229 20.5 15.8 23.8





#83

Chrysene

Concen: 15.368 ng

RT: 14.080 min Scan# 2041

Delta R.T. 0.006 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

Instrument :

BNA_F

ClientSampleId :

FS-02-(0-2)DL

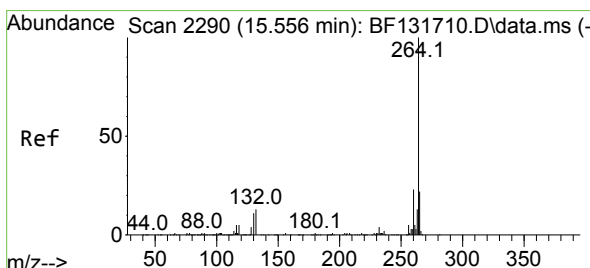
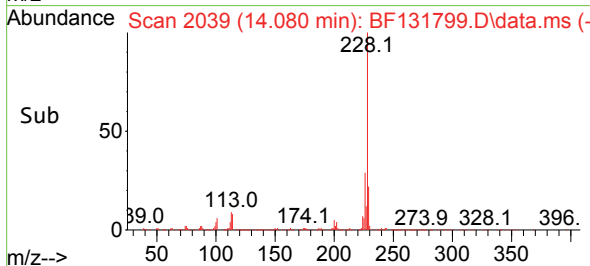
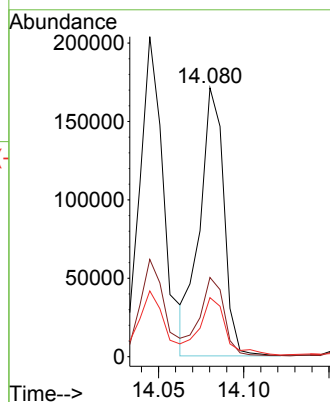
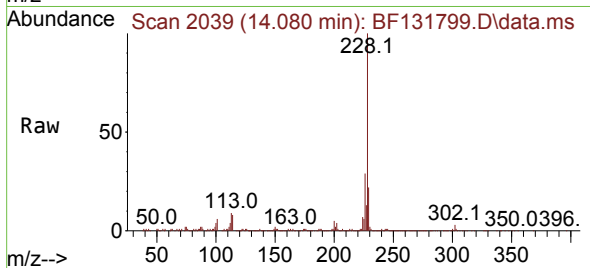
Tgt Ion:228 Resp: 169479

Ion Ratio Lower Upper

228 100

226 29.5 23.5 35.3

229 22.0 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.017 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

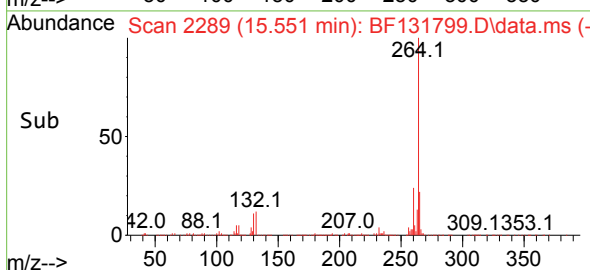
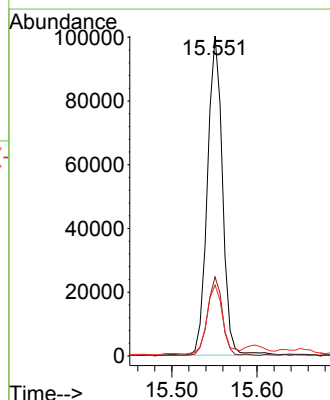
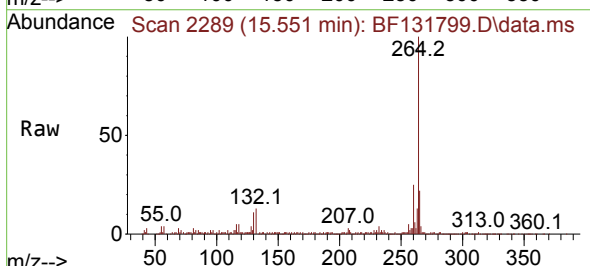
Tgt Ion:264 Resp: 122914

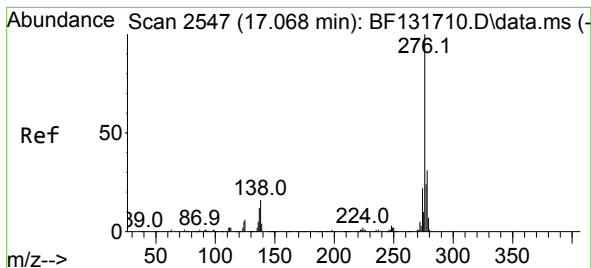
Ion Ratio Lower Upper

264 100

260 24.7 18.6 28.0

265 22.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.556 ng

RT: 17.056 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

Instrument :

BNA_F

ClientSampleId :

FS-02-(0-2)DL

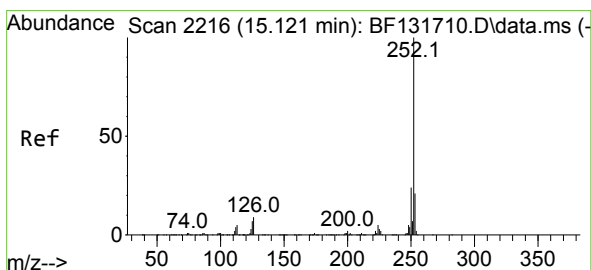
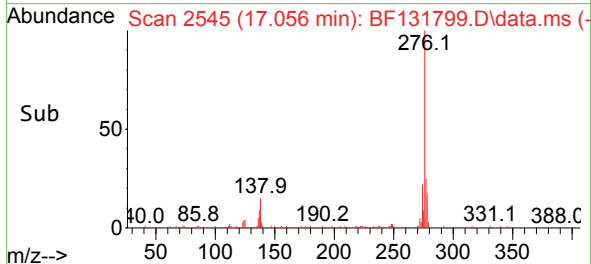
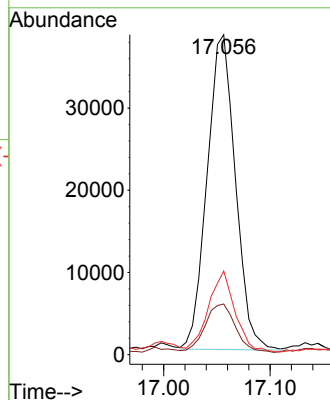
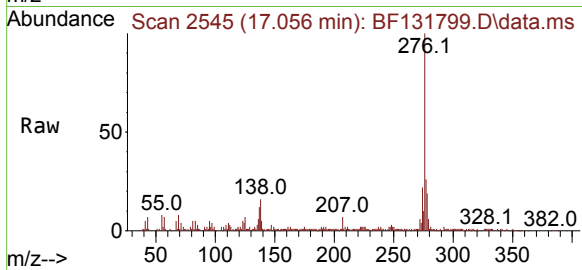
Tgt Ion:276 Resp: 70635

Ion Ratio Lower Upper

276 100

138 16.5 14.4 21.6

277 24.2 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 26.220 ng

RT: 15.110 min Scan# 2214

Delta R.T. 0.012 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

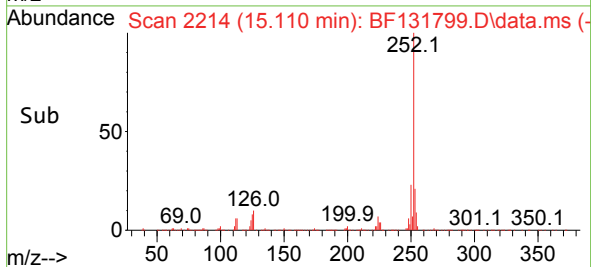
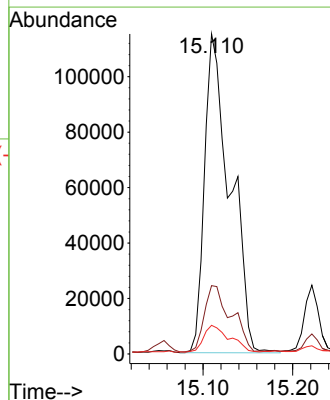
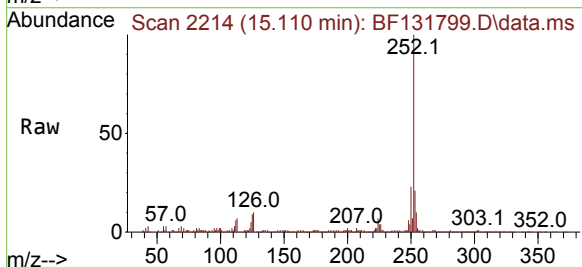
Tgt Ion:252 Resp: 228013

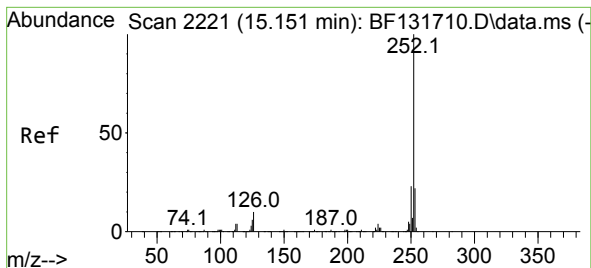
Ion Ratio Lower Upper

252 100

253 21.4 17.2 25.8

125 9.0 5.5 8.3#





#89

Benzo(k)fluoranthene

Concen: 26.871 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

Instrument :

BNA_F

ClientSampleId :

FS-02-(0-2)DL

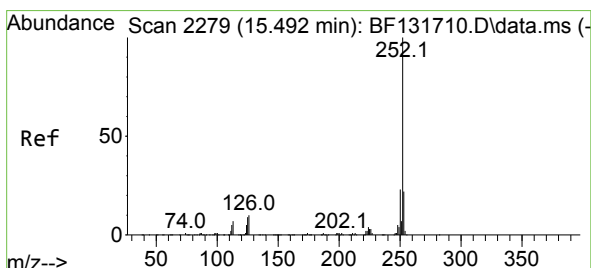
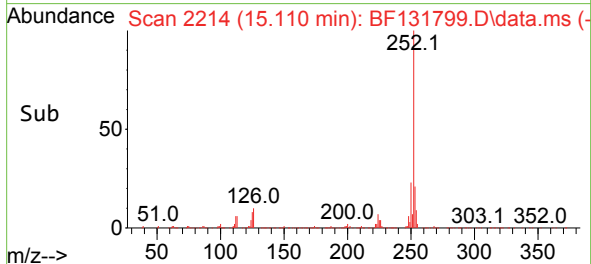
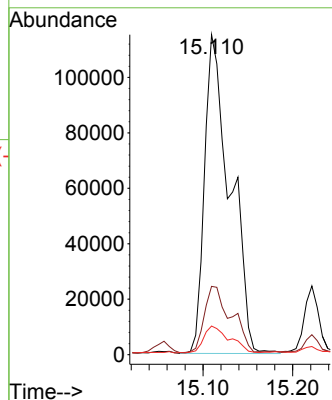
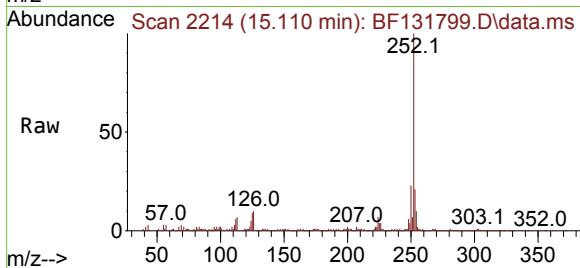
Tgt Ion:252 Resp: 228013

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.8

125 9.0 5.2 7.8#



#90

Benzo(a)pyrene

Concen: 18.673 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.012 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

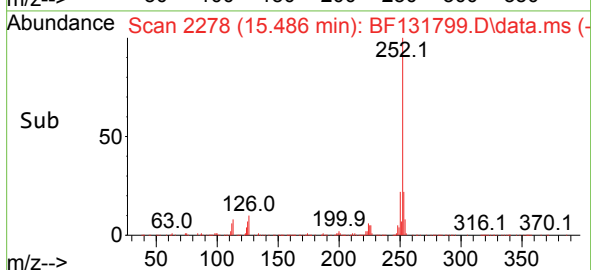
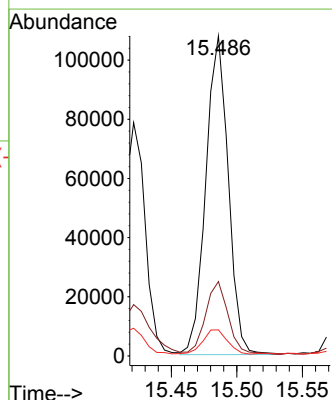
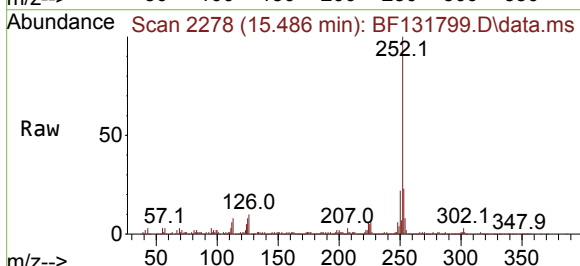
Tgt Ion:252 Resp: 128620

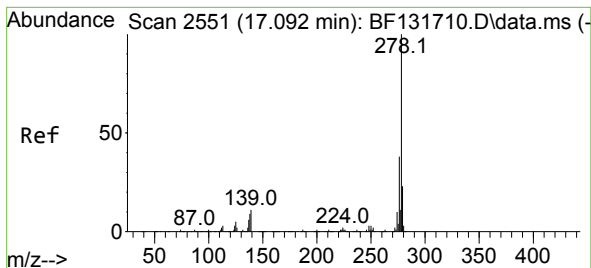
Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

125 8.2 7.0 10.4





#91

Dibenzo(a,h)anthracene

Concen: 2.612 ng

RT: 17.068 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

Instrument :

BNA_F

ClientSampleId :

FS-02-(0-2)DL

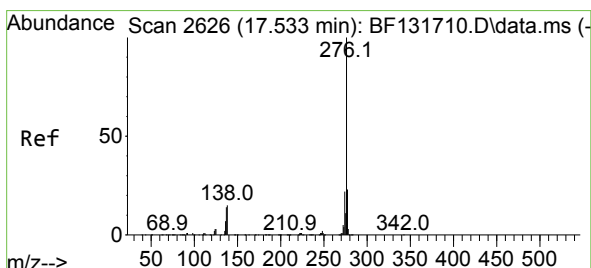
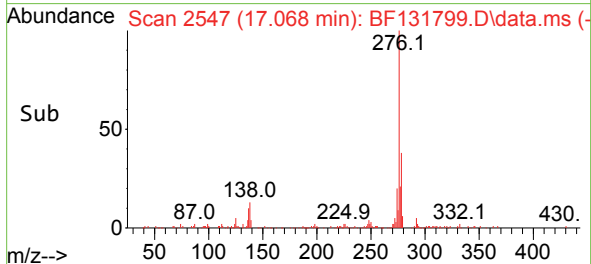
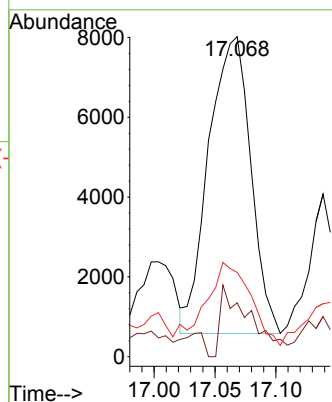
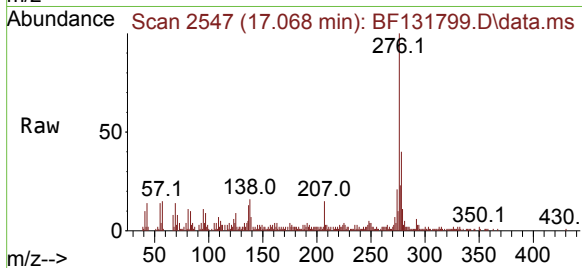
Tgt Ion:278 Resp: 17822

Ion Ratio Lower Upper

278 100

139 16.9 8.7 13.1#

279 26.3 18.7 28.1



#92

Benzo(g,h,i)perylene

Concen: 11.830 ng

RT: 17.509 min Scan# 2622

Delta R.T. 0.012 min

Lab File: BF131799.D

Acq: 23 Dec 2022 03:17

Tgt Ion:276 Resp: 79775

Ion Ratio Lower Upper

276 100

277 24.6 18.3 27.5

138 17.4 12.3 18.5

