

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101123\
 Data File : BF135721.D
 Acq On : 11 Oct 2023 19:16
 Operator : CG\JU
 Sample : 04804-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-100623

Quant Time: Oct 12 00:50:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

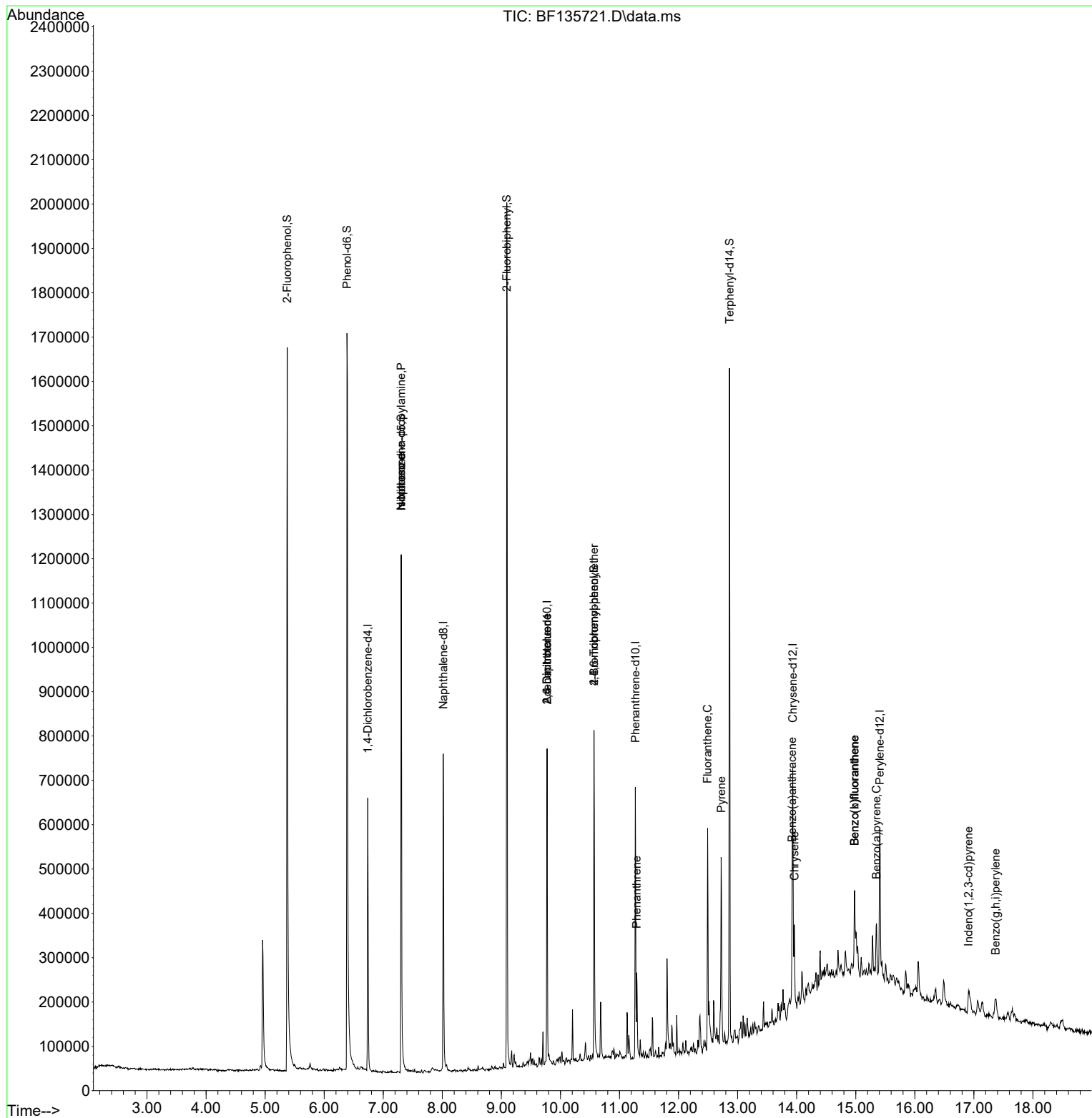
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	88053	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	314432	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	136491	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	214403	20.000	ng	0.00
76) Chrysene-d12	13.933	240	165789	20.000	ng	0.00
86) Perylene-d12	15.410	264	148664	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	512623	94.688	ng	0.00
7) Phenol-d6	6.387	99	646630	93.932	ng	0.00
23) Nitrobenzene-d5	7.304	82	348717	60.253	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	91557	67.500	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	611419	67.584	ng	0.00
79) Terphenyl-d14	12.863	244	489709	45.790	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	46257	10.848	ng	# 80
25) Isophorone	7.304	82	348717	32.813	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	17879	8.844	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	17879	7.064	ng	# 18
67) 4-Bromophenyl-phenylether	10.569	248	5775	2.708	ng	# 1
71) Phenanthrene	11.292	178	71932	7.094	ng	98
75) Fluoranthene	12.492	202	186843	17.683	ng	99
78) Pyrene	12.722	202	171818	10.885	ng	99
81) Benzo(a)anthracene	13.921	228	81599	7.622	ng	99
83) Chrysene	13.963	228	81124	7.622	ng	98
87) Indeno(1,2,3-cd)pyrene	16.909	276	37137	3.810	ng	# 93
88) Benzo(b)fluoranthene	14.980	252	132790	16.500	ng	# 91
89) Benzo(k)fluoranthene	14.980	252	132790	16.704	ng	# 92
90) Benzo(a)pyrene	15.351	252	65146	8.489	ng	99
92) Benzo(g,h,i)perylene	17.368	276	38130	4.578	ng	99

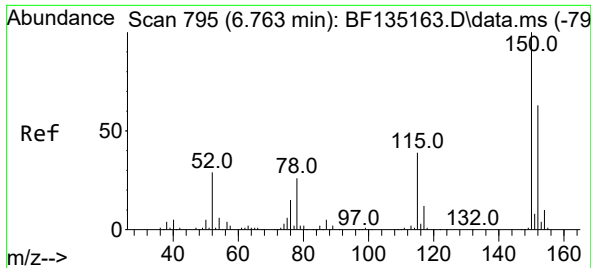
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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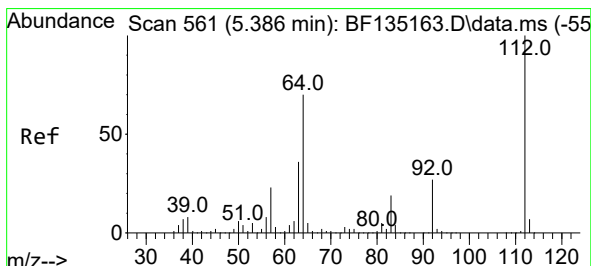
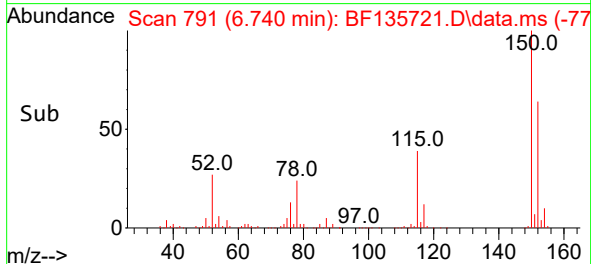
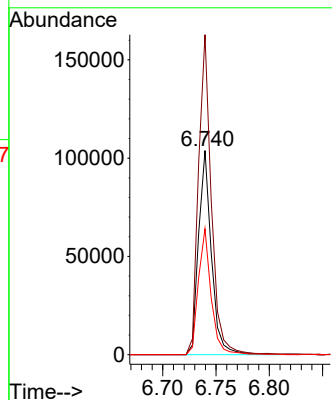
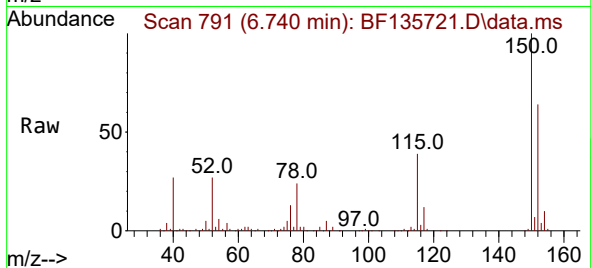




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.740 min Scan# 795
 Delta R.T. 0.001 min
 Lab File: BF135721.D
 Acq: 11 Oct 2023 19:16

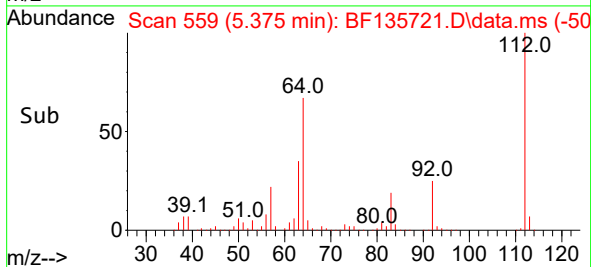
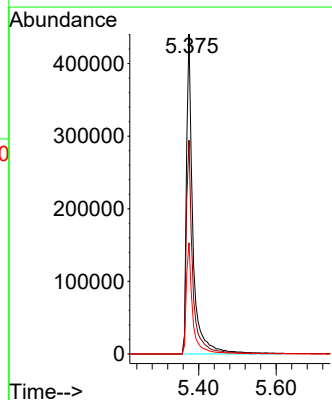
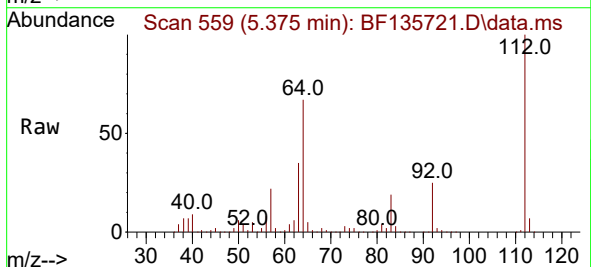
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-100623

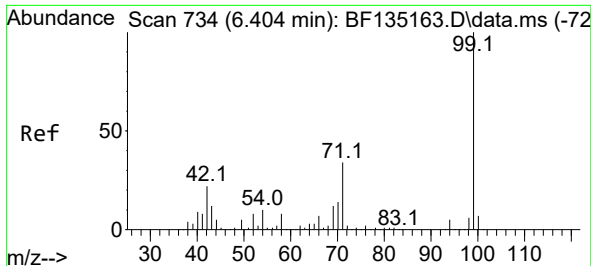
Tgt Ion:152 Resp: 88053
 Ion Ratio Lower Upper
 152 100
 150 156.7 127.8 191.6
 115 61.6 49.8 74.8



#5
 2-Fluorophenol
 Concen: 94.688 ng
 RT: 5.375 min Scan# 559
 Delta R.T. 0.006 min
 Lab File: BF135721.D
 Acq: 11 Oct 2023 19:16

Tgt Ion:112 Resp: 512623
 Ion Ratio Lower Upper
 112 100
 64 66.8 55.9 83.9
 63 34.7 29.0 43.6

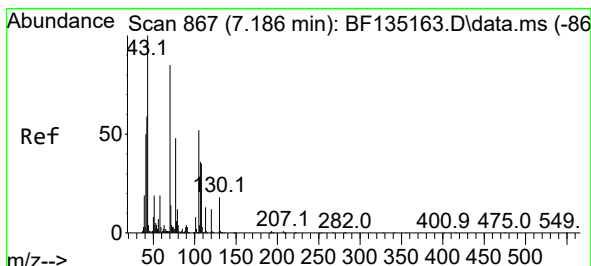
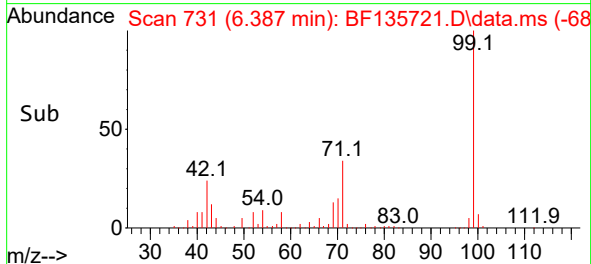
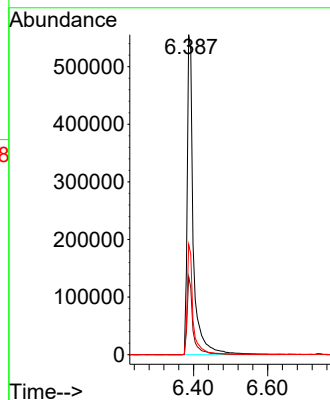
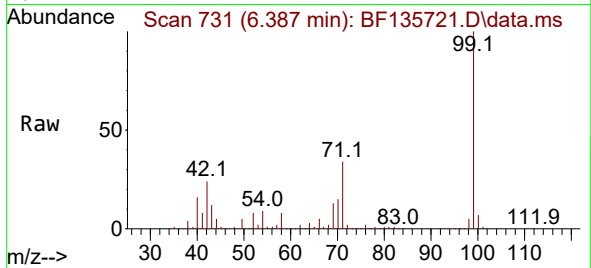




#7
Phenol-d6
Concen: 93.932 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

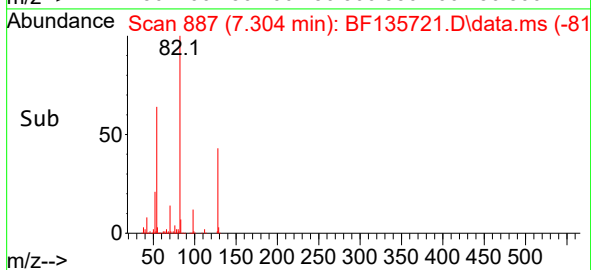
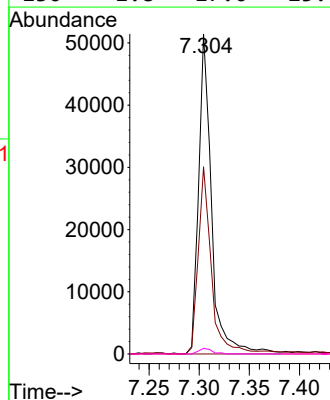
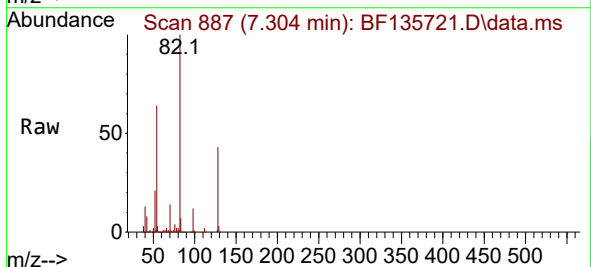
Instrument :
BNA_F
ClientSampleId :
HD-02-100623

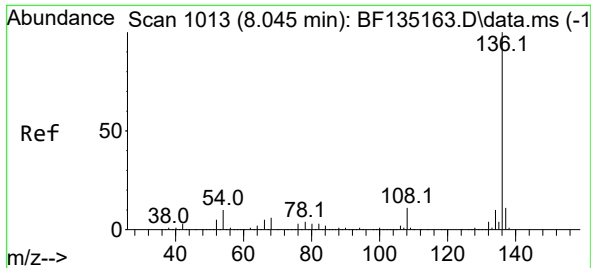
Tgt Ion: 99 Resp: 646630
Ion Ratio Lower Upper
99 100
42 24.3 17.9 26.9
71 34.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.848 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 70 Resp: 46257
Ion Ratio Lower Upper
70 100
42 58.5 55.4 83.0
101 0.0 7.7 11.5#
130 1.8 17.0 25.6#

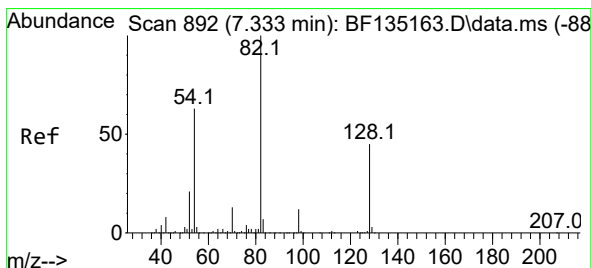
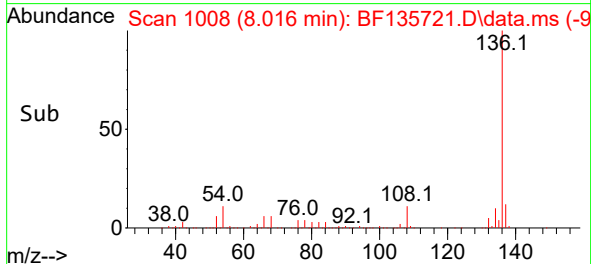
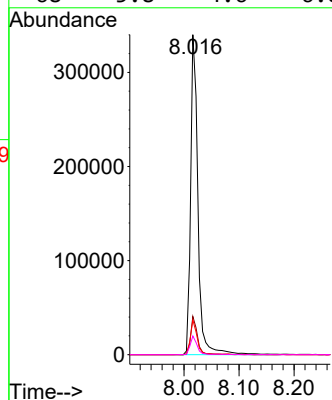
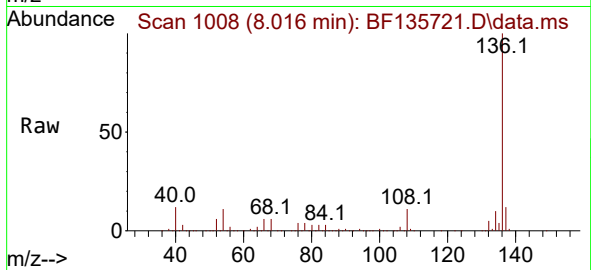




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

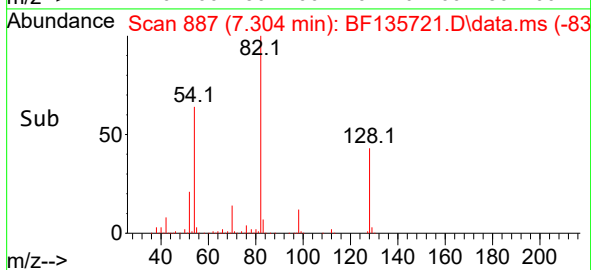
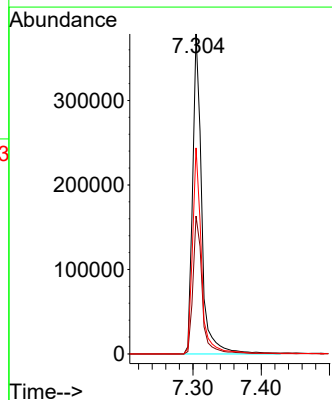
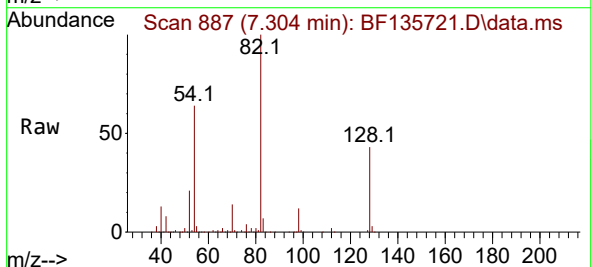
Instrument :
BNA_F
ClientSampleId :
HD-02-100623

Tgt Ion:136 Resp: 314432
Ion Ratio Lower Upper
136 100
137 12.0 8.8 13.2
54 10.8 7.7 11.5
68 5.8 4.6 6.8



#23
Nitrobenzene-d5
Concen: 60.253 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion: 82 Resp: 348717
Ion Ratio Lower Upper
82 100
128 43.1 35.8 53.6
54 64.4 50.6 76.0

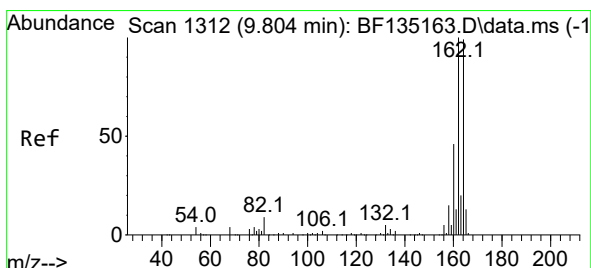
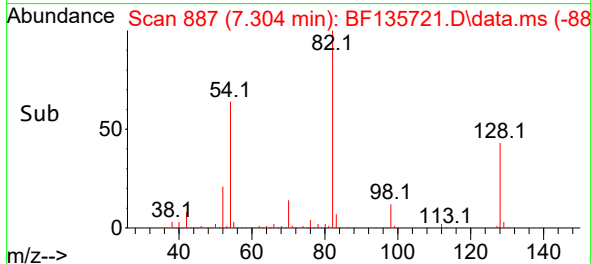
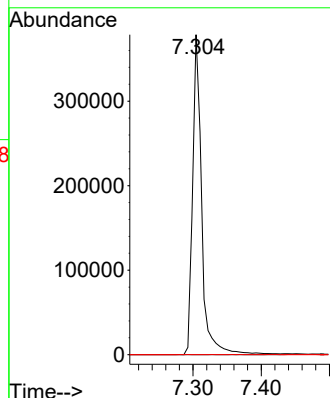
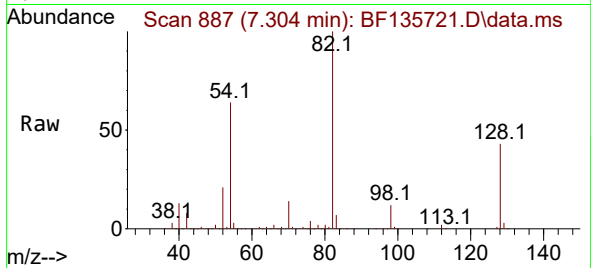




#25
Isophorone
Concen: 32.813 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

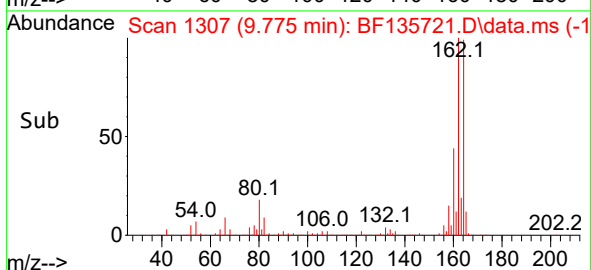
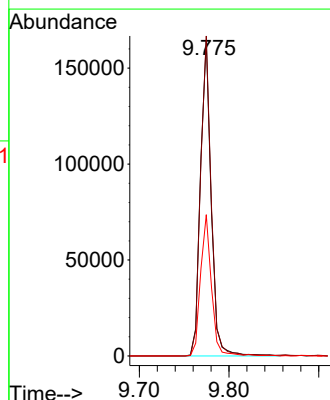
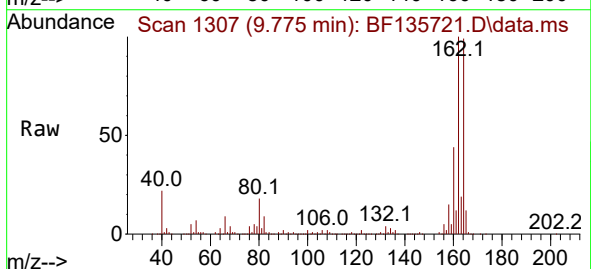
Instrument :
BNA_F
ClientSampleId :
HD-02-100623

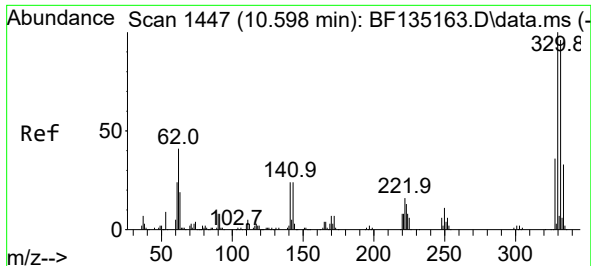
Tgt Ion: 82 Resp: 348717
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

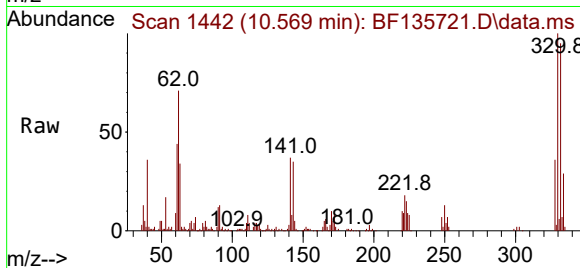
Tgt Ion:164 Resp: 136491
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 44.7 37.0 55.4



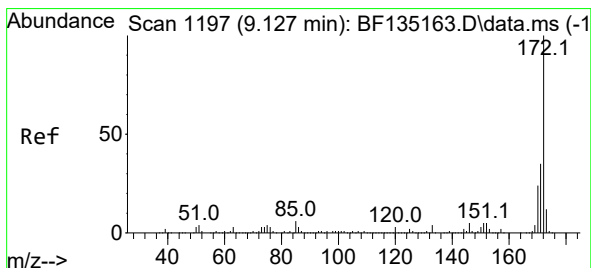
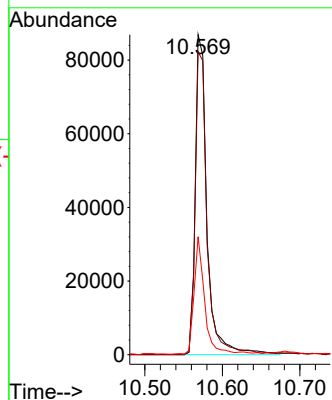
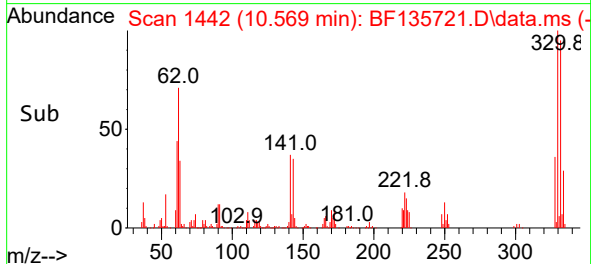


#42
2,4,6-Tribromophenol
Concen: 67.500 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Instrument :
BNA_F
ClientSampleId :
HD-02-100623

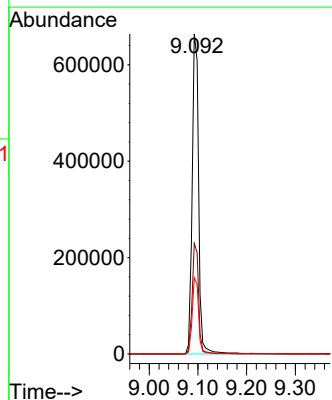
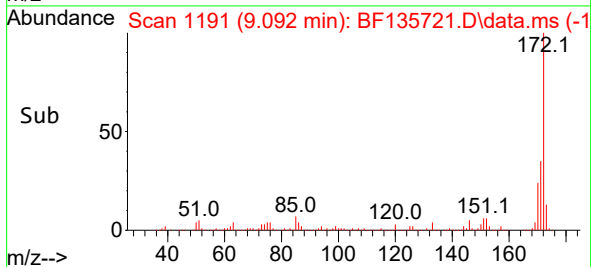
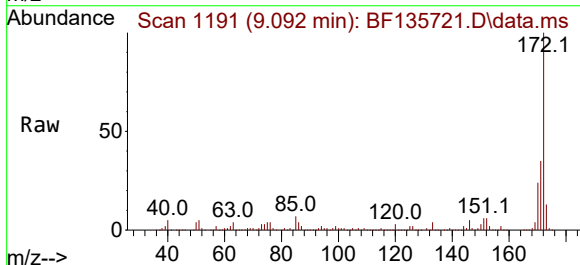


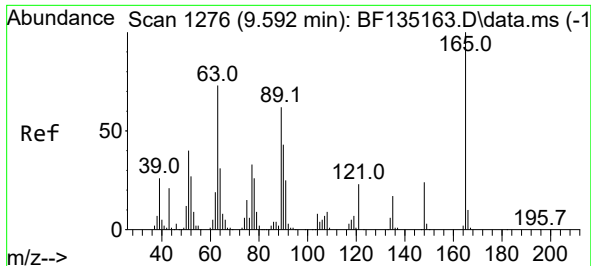
Tgt Ion:330 Resp: 91557
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 33.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 67.584 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion:172 Resp: 611419
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 23.8 19.0 28.4

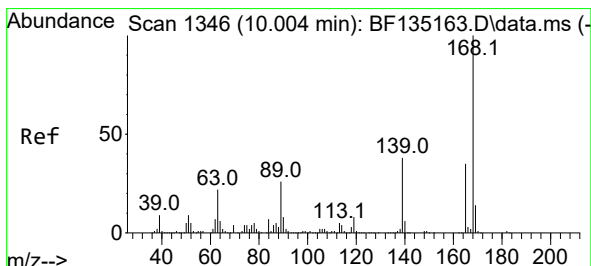
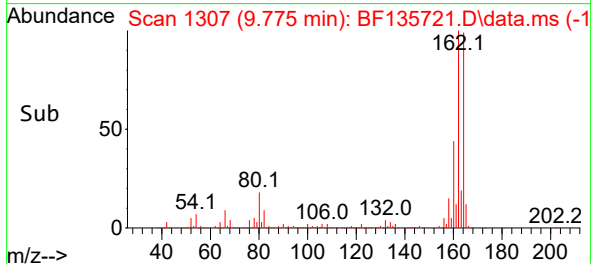
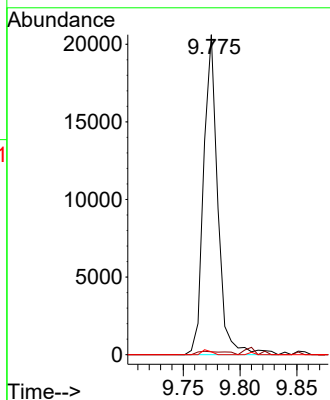
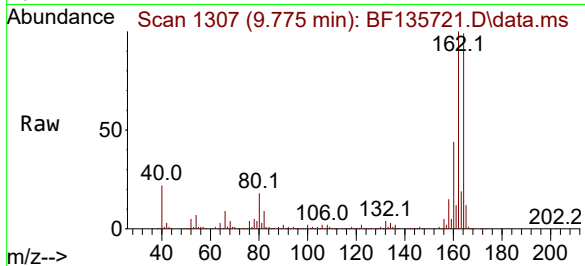




#51
2,6-Dinitrotoluene
Concen: 8.844 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

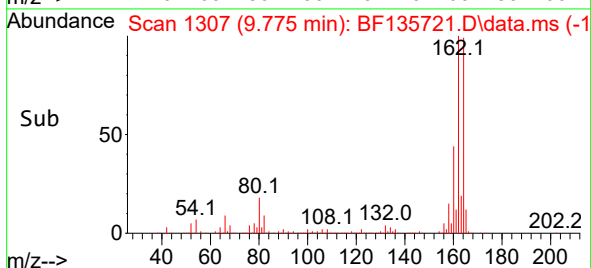
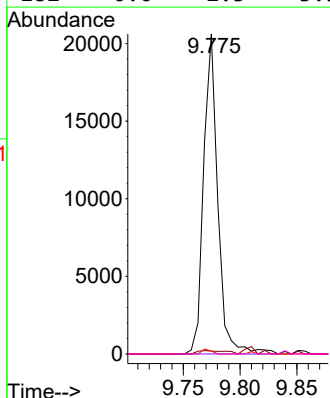
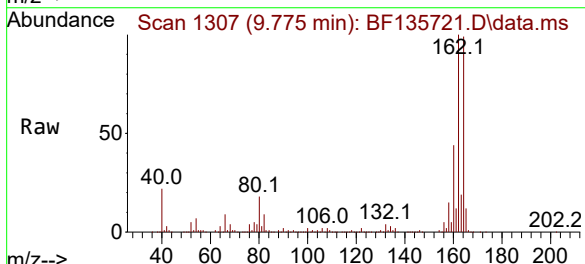
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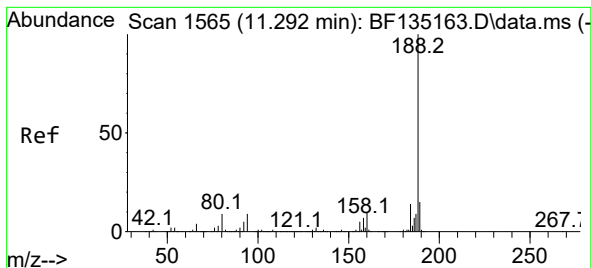
Tgt Ion:165 Resp: 17879
Ion Ratio Lower Upper
165 100
63 0.9 59.4 89.2#
89 0.9 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 7.064 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.218 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion:165 Resp: 17879
Ion Ratio Lower Upper
165 100
63 0.9 50.1 75.1#
89 0.9 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

Instrument :

BNA_F

ClientSampleId :

HD-02-100623

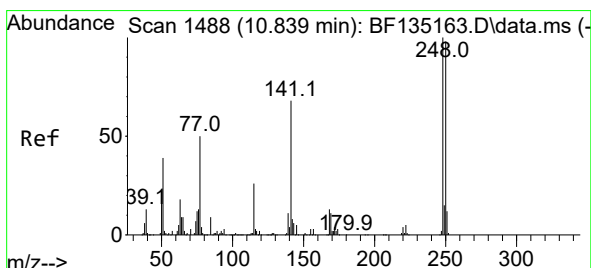
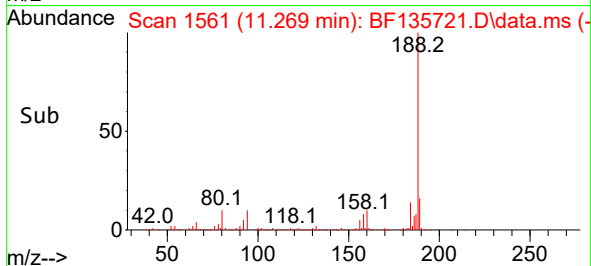
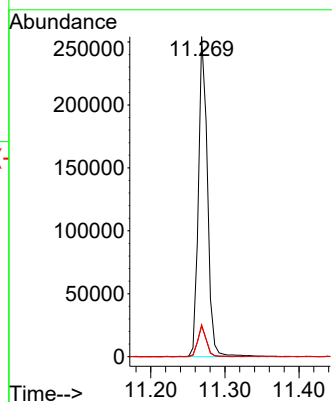
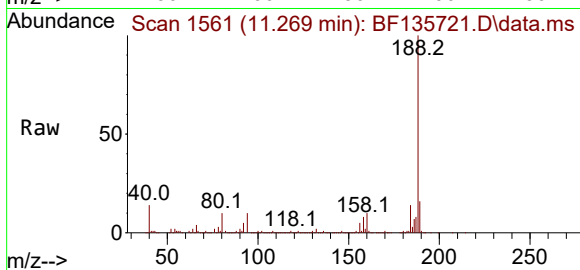
Tgt Ion:188 Resp: 214403

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.6

80 10.0 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.708 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.247 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

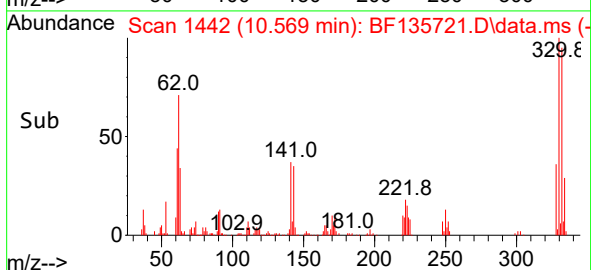
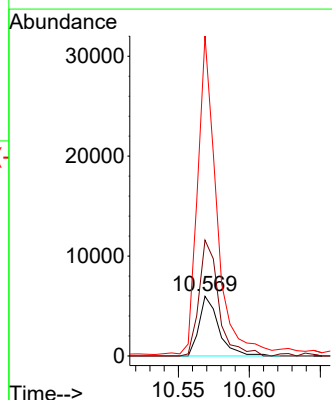
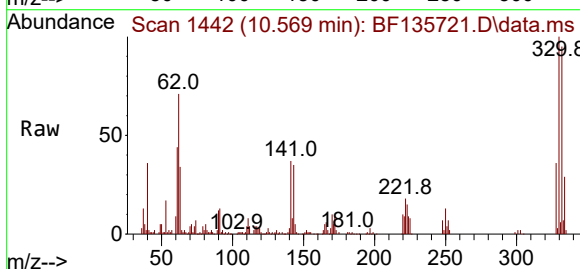
Tgt Ion:248 Resp: 5775

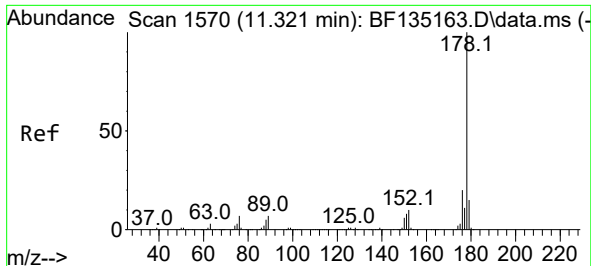
Ion Ratio Lower Upper

248 100

250 194.3 78.6 117.8#

141 536.5 54.2 81.2#

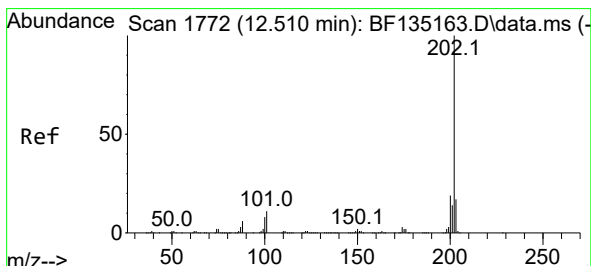
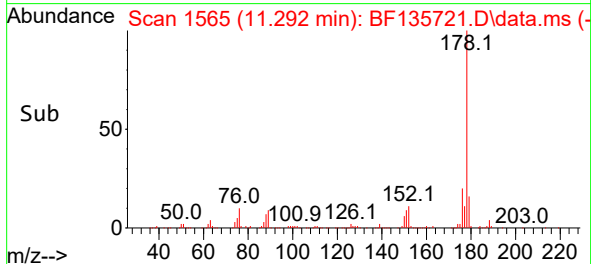
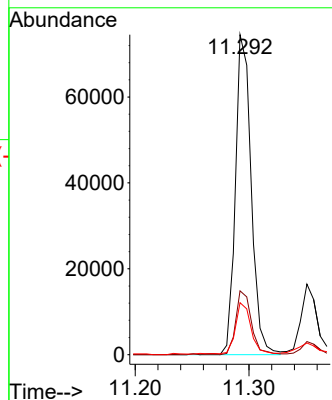
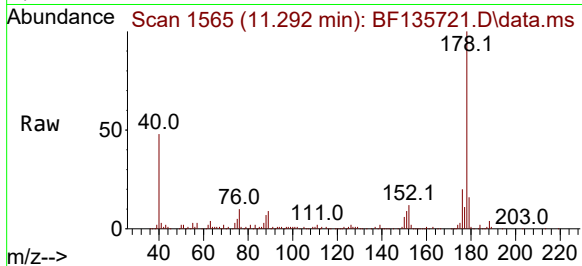




#71
Phenanthrene
Concen: 7.094 ng
RT: 11.292 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

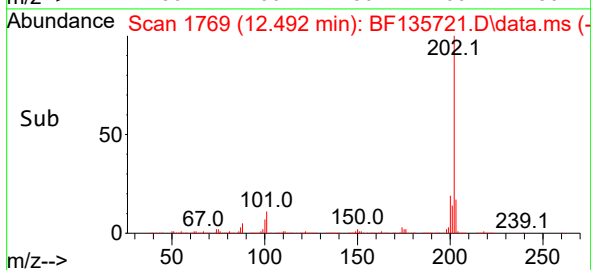
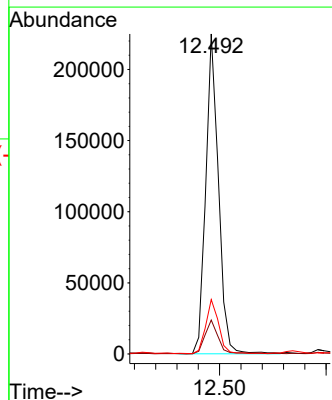
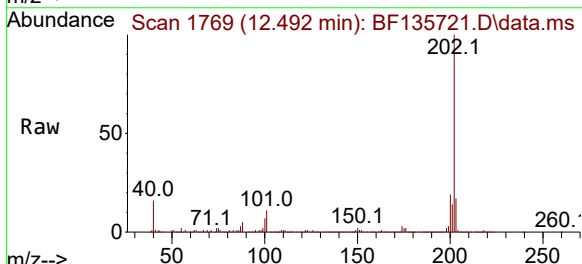
Instrument :
BNA_F
ClientSampleId :
HD-02-100623

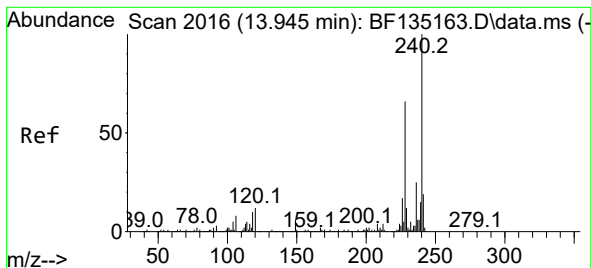
Tgt Ion:178 Resp: 71932
Ion Ratio Lower Upper
178 100
176 19.9 15.6 23.4
179 16.3 12.0 18.0



#75
Fluoranthene
Concen: 17.683 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion:202 Resp: 186843
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.3
203 17.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

Instrument :

BNA_F

ClientSampleId :

HD-02-100623

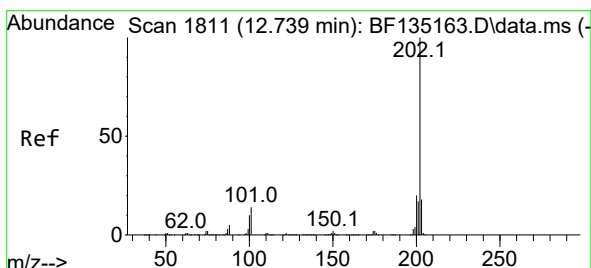
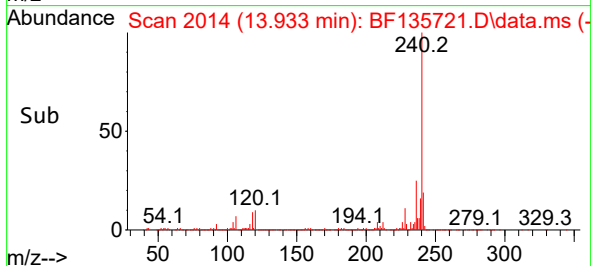
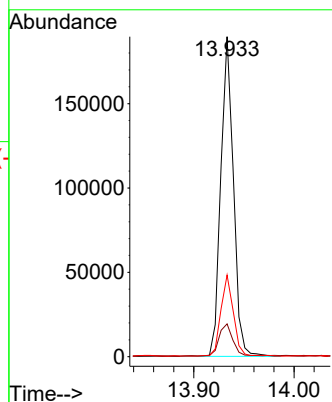
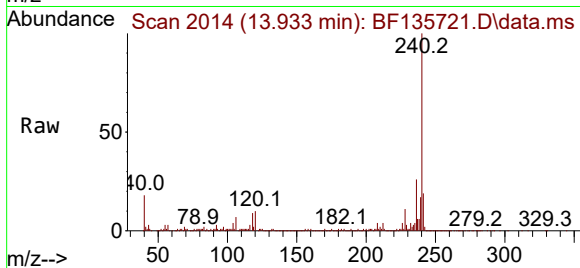
Tgt Ion:240 Resp: 165789

Ion Ratio Lower Upper

240 100

120 10.2 9.4 14.2

236 25.5 19.8 29.8



#78

Pyrene

Concen: 10.885 ng

RT: 12.722 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

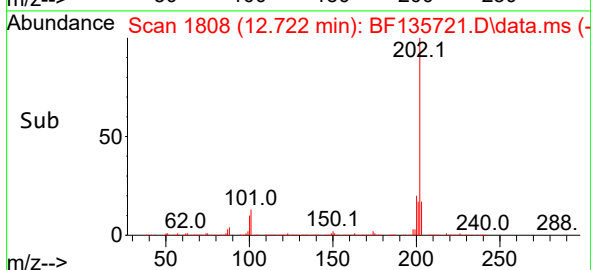
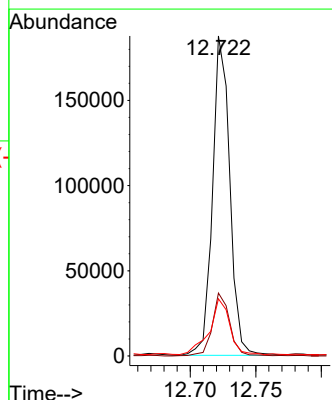
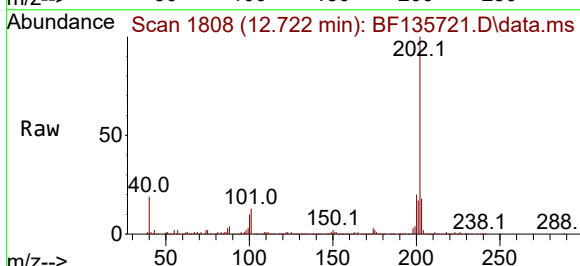
Tgt Ion:202 Resp: 171818

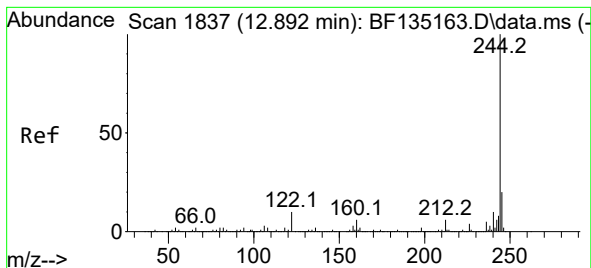
Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 17.9 14.2 21.4





#79

Terphenyl-d14

Concen: 45.790 ng

RT: 12.863 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

Instrument :

BNA_F

ClientSampleId :

HD-02-100623

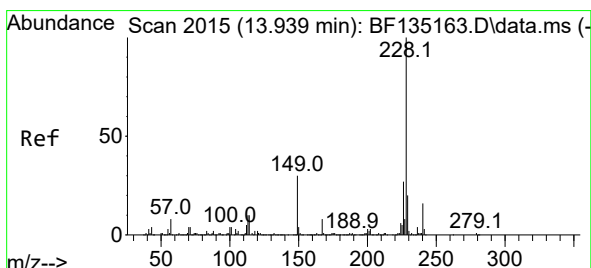
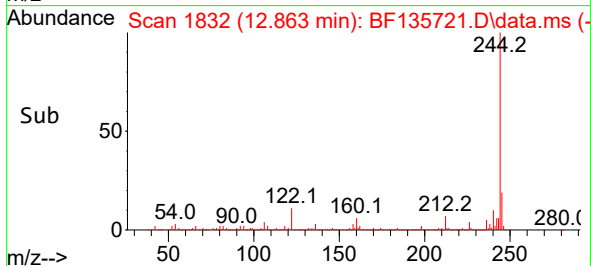
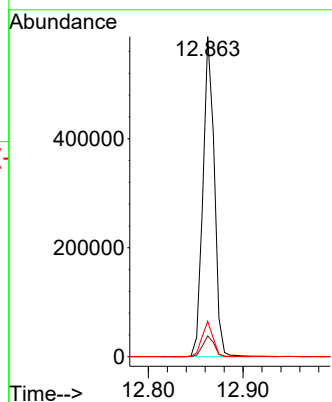
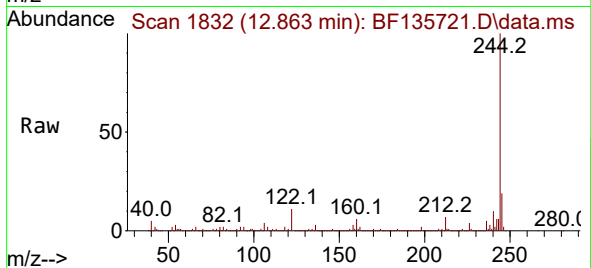
Tgt Ion:244 Resp: 489709

Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 11.0 7.9 11.9



#81

Benzo(a)anthracene

Concen: 7.622 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

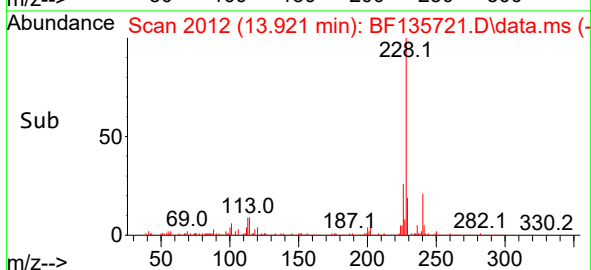
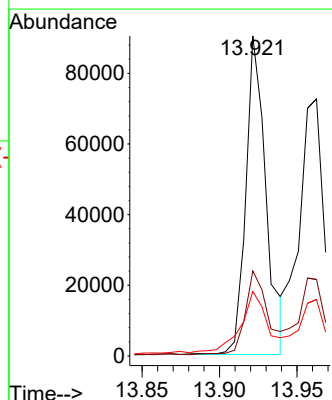
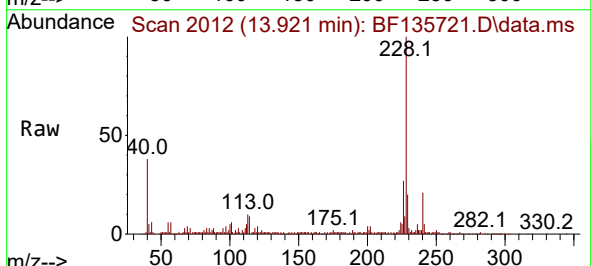
Tgt Ion:228 Resp: 81599

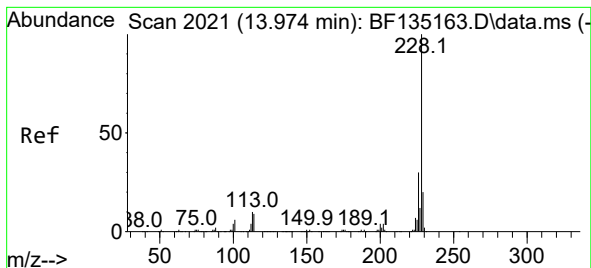
Ion Ratio Lower Upper

228 100

226 26.6 21.7 32.5

229 20.2 15.8 23.8





#83

Chrysene

Concen: 7.622 ng

RT: 13.963 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

Instrument :

BNA_F

ClientSampleId :

HD-02-100623

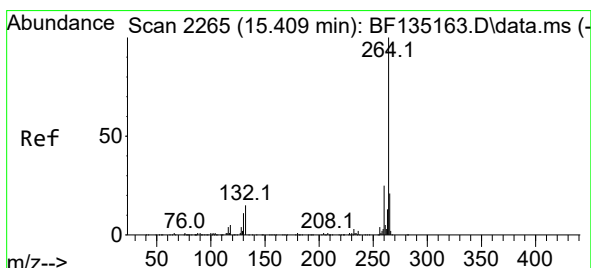
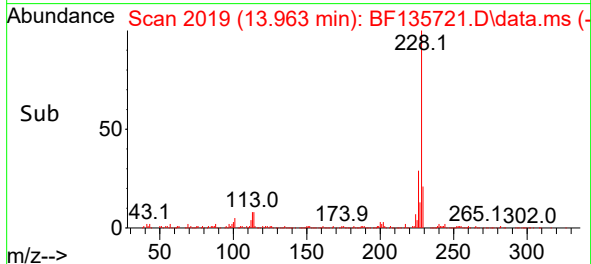
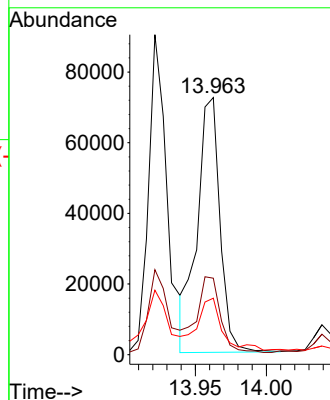
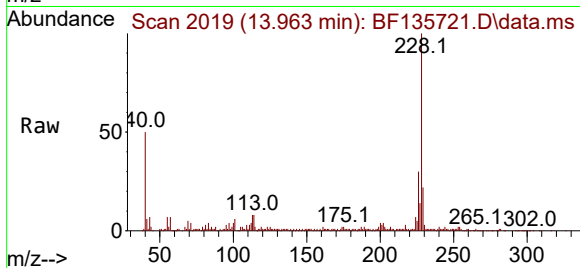
Tgt Ion:228 Resp: 81124

Ion Ratio Lower Upper

228 100

226 29.7 24.3 36.5

229 22.0 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.006 min

Lab File: BF135721.D

Acq: 11 Oct 2023 19:16

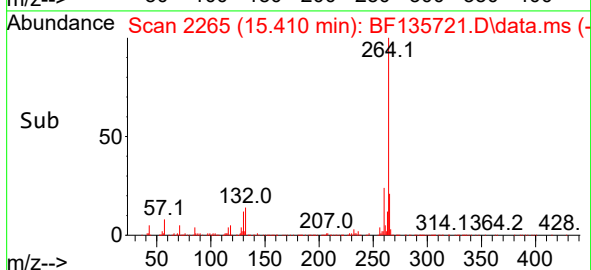
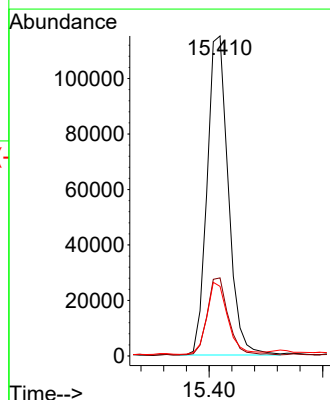
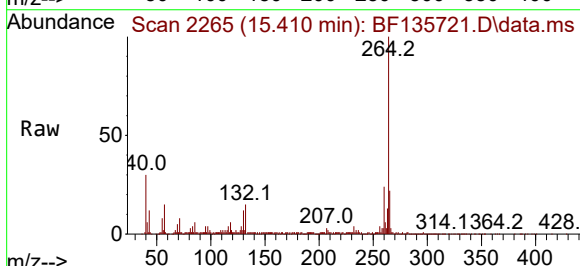
Tgt Ion:264 Resp: 148664

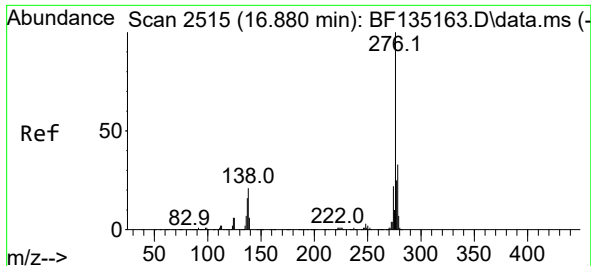
Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.6

265 21.8 17.0 25.4

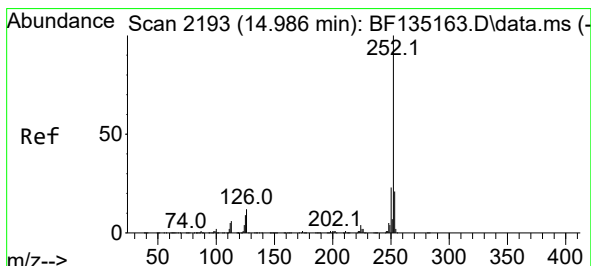
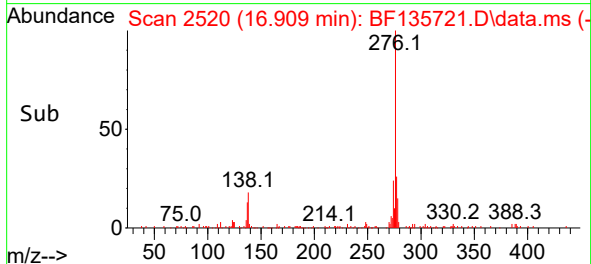
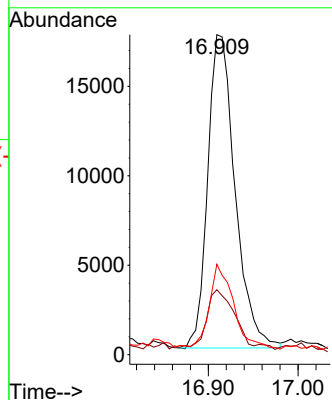
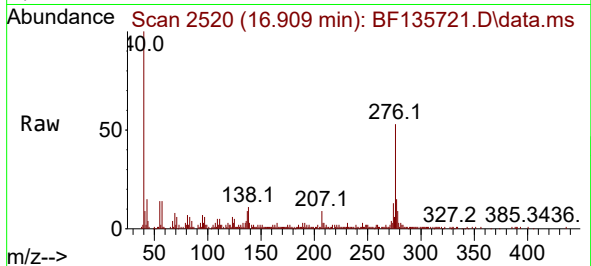




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.810 ng
RT: 16.909 min Scan# 2119
Delta R.T. 0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

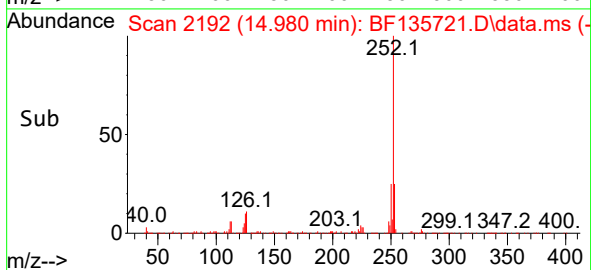
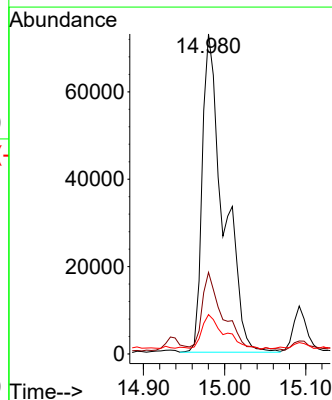
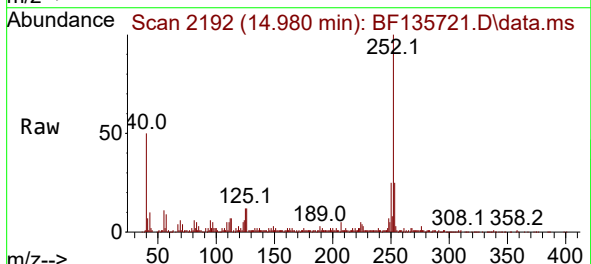
Instrument :
BNA_F
ClientSampleId :
HD-02-100623

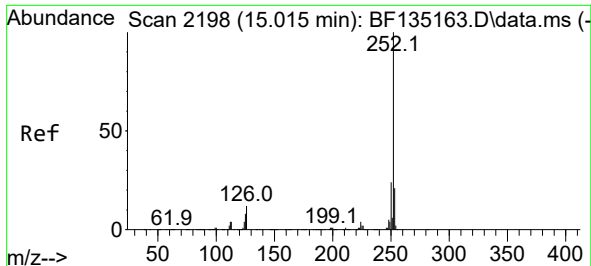
Tgt Ion:276 Resp: 37137
Ion Ratio Lower Upper
276 100
138 17.5 19.2 28.8#
277 24.1 19.7 29.5



#88
Benzo(b)fluoranthene
Concen: 16.500 ng
RT: 14.980 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

Tgt Ion:252 Resp: 132790
Ion Ratio Lower Upper
252 100
253 25.5 17.2 25.8
125 12.3 7.1 10.7#

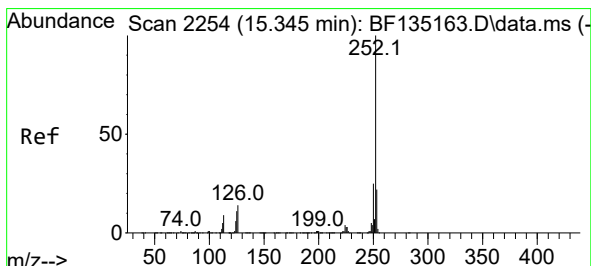
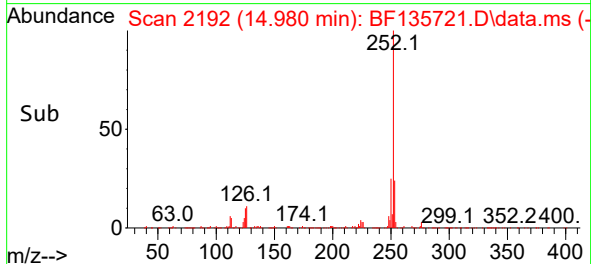
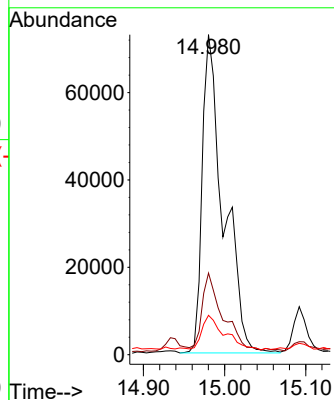
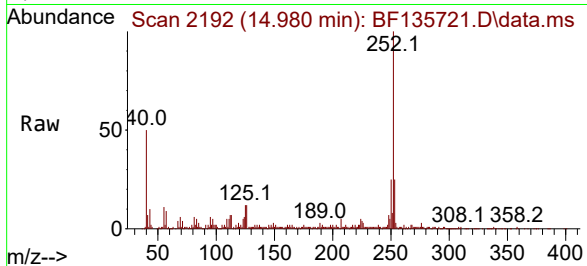




#89
Benzo(k)fluoranthene
Concen: 16.704 ng
RT: 14.980 min Scan# 2198
Delta R.T. -0.023 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

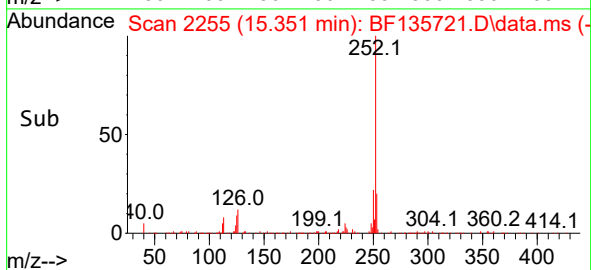
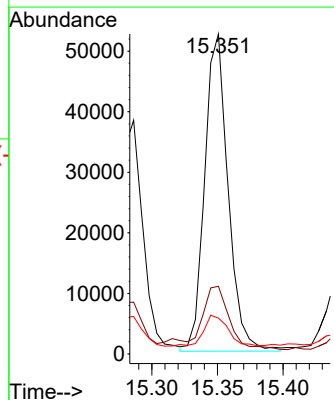
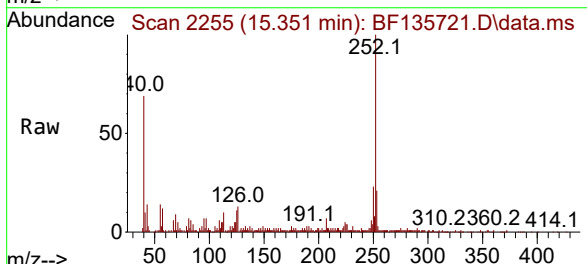
Instrument :
BNA_F
ClientSampleId :
HD-02-100623

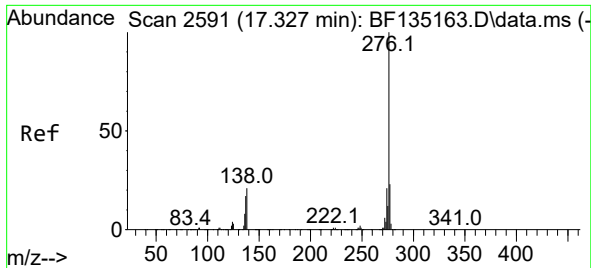
Tgt Ion:252 Resp: 132790
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.0
125 12.3 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 8.489 ng
RT: 15.351 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF135721.D
Acq: 11 Oct 2023 19:16

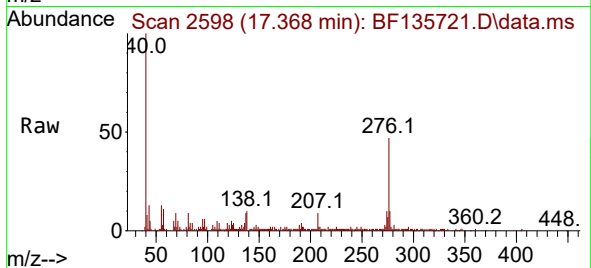
Tgt Ion:252 Resp: 65146
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 11.2 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 4.578 ng
 RT: 17.368 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF135721.D
 Acq: 11 Oct 2023 19:16

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-100623



Tgt Ion:	276	Resp:	38130
Ion	Ratio	Lower	Upper
276	100		
277	22.4	18.8	28.2
138	20.9	16.9	25.3

