

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101323\
 Data File : BF135764.D
 Acq On : 13 Oct 2023 21:13
 Operator : CG\JU
 Sample : 04839-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-101023

Quant Time: Oct 13 23:38:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 13 17:12:59 2023
 Response via : Initial Calibration

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

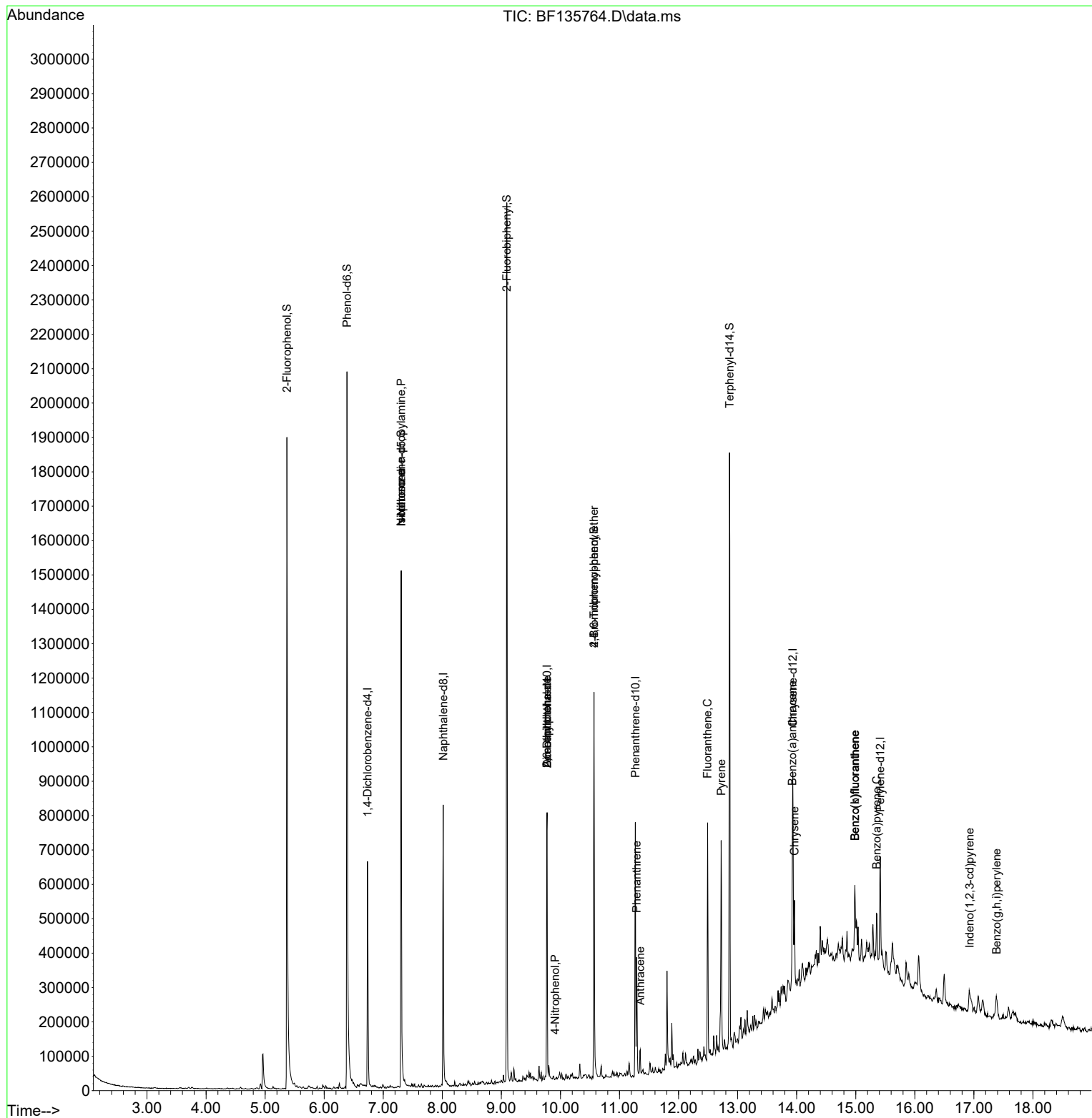
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	99580	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	353647	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	154099	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	252851	20.000	ng	0.00
76) Chrysene-d12	13.933	240	189849	20.000	ng	-0.01
86) Perylene-d12	15.415	264	147237	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	589556	95.186	ng	0.00
7) Phenol-d6	6.387	99	725150	93.833	ng	-0.01
23) Nitrobenzene-d5	7.304	82	427426	66.473	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	123687	83.646	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	716316	72.678	ng	-0.01
79) Terphenyl-d14	12.863	244	618992	60.381	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	56449	11.813	ng	# 77
25) Isophorone	7.304	82	427423	35.235	ng	# 66
50) Dimethylphthalate	9.775	163	32701	3.144	ng	# 1
51) 2,6-Dinitrotoluene	9.775	165	21551	9.634	ng	# 16
56) 4-Nitrophenol	9.910	139	135	5.592	ng	# 1
67) 4-Bromophenyl-phenylether	10.569	248	7887	3.107	ng	# 1
71) Phenanthrene	11.292	178	123112	10.164	ng	98
72) Anthracene	11.351	178	31760	2.530	ng	98
75) Fluoranthene	12.492	202	261970	19.487	ng	99
78) Pyrene	12.722	202	257700	17.082	ng	99
81) Benzo(a)anthracene	13.927	228	104662	8.393	ng	99
83) Chrysene	13.963	228	110000	9.107	ng	98
87) Indeno(1,2,3-cd)pyrene	16.927	276	45553	5.678	ng	94
88) Benzo(b)fluoranthene	14.986	252	156194	18.955	ng	# 94
89) Benzo(k)fluoranthene	14.986	252	156194	19.524	ng	# 93
90) Benzo(a)pyrene	15.357	252	81983	10.580	ng	95
92) Benzo(g,h,i)perylene	17.386	276	46512	6.885	ng	93

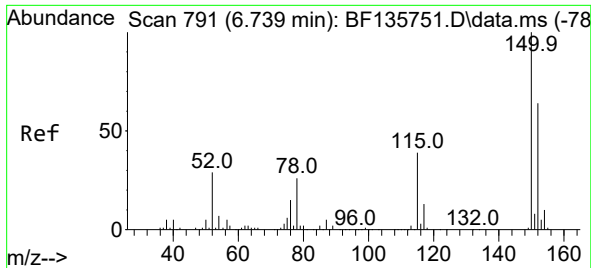
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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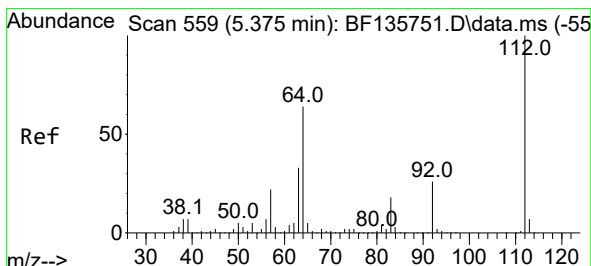
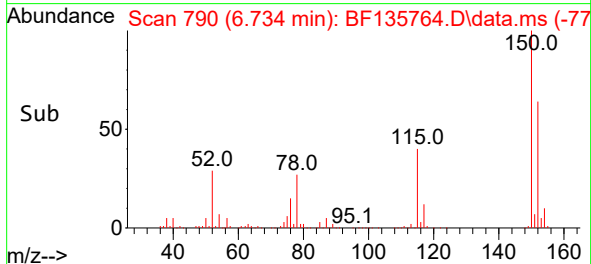
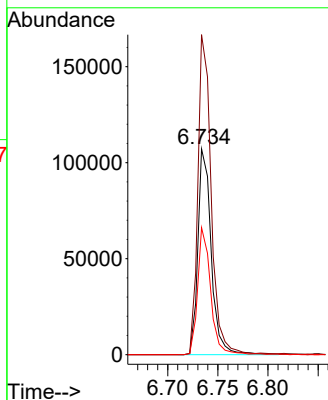
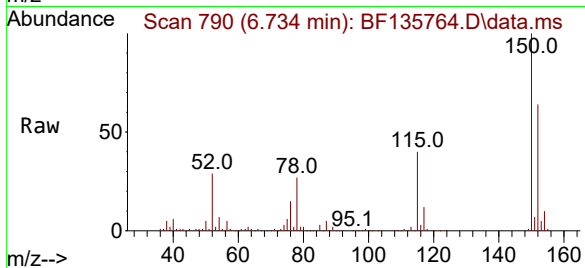




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

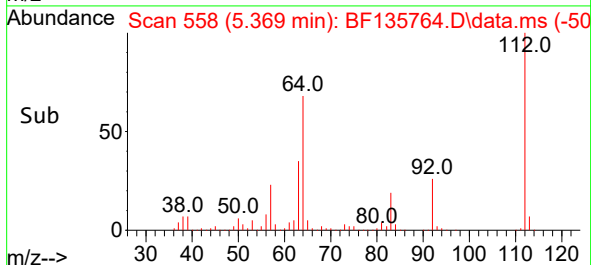
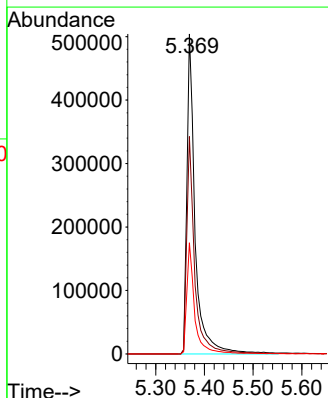
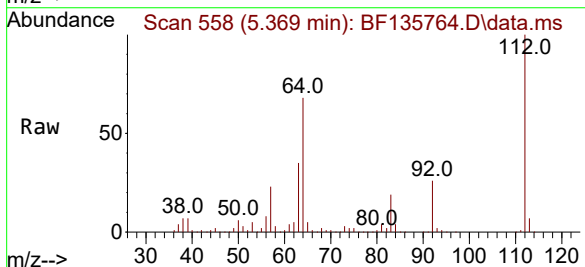
Instrument :
BNA_F
ClientSampleId :
HD-02-101023

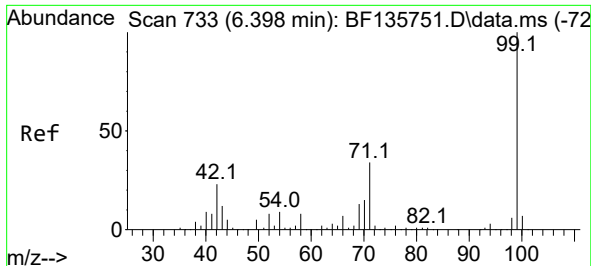
Tgt Ion:152 Resp: 99580
Ion Ratio Lower Upper
152 100
150 155.5 124.5 186.7
115 61.7 49.0 73.4



#5
2-Fluorophenol
Concen: 95.186 ng
RT: 5.369 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion:112 Resp: 589556
Ion Ratio Lower Upper
112 100
64 67.9 51.2 76.8
63 34.8 26.1 39.1

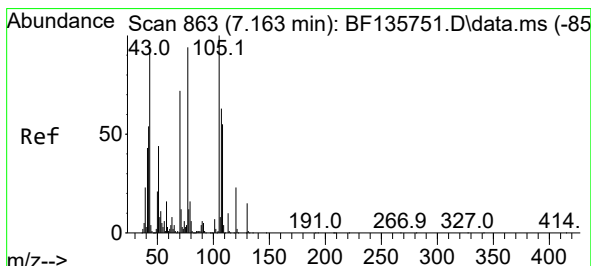
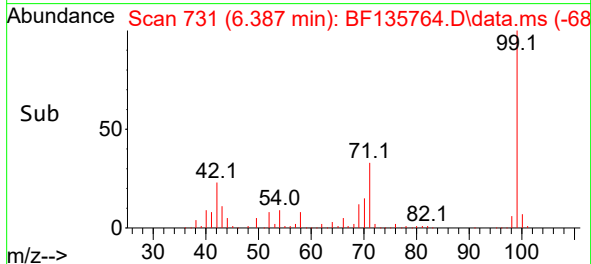
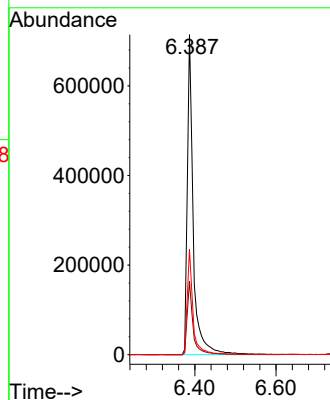
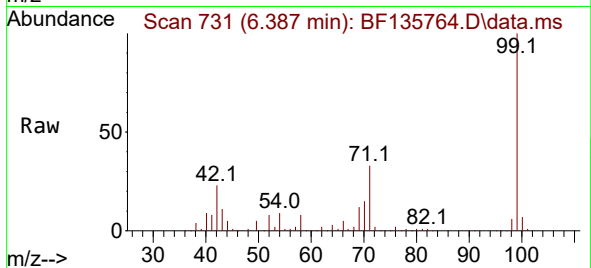




#7
Phenol-d6
Concen: 93.833 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

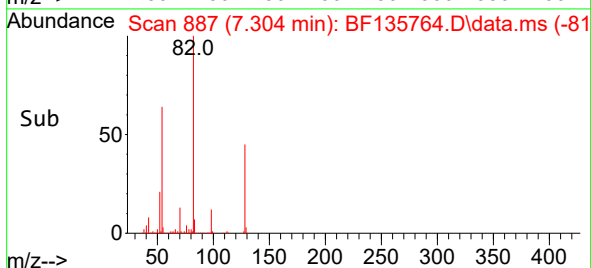
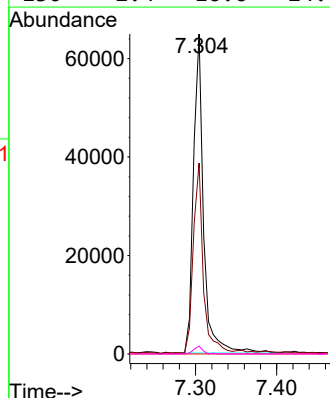
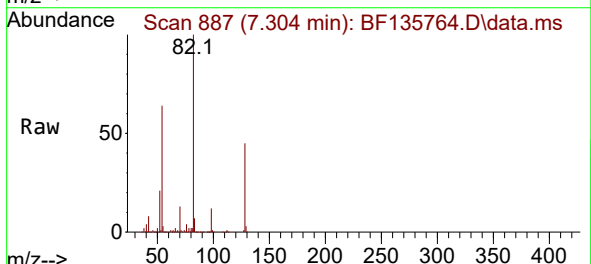
Instrument :
BNA_F
ClientSampleId :
HD-02-101023

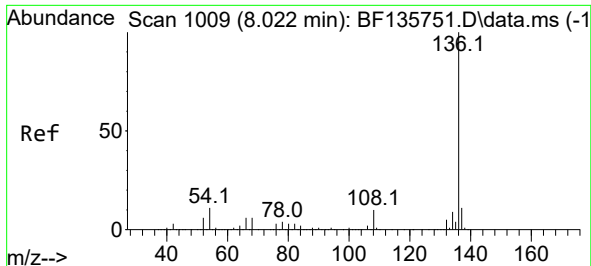
Tgt Ion: 99 Resp: 725150
Ion Ratio Lower Upper
99 100
42 23.0 18.4 27.6
71 32.9 27.2 40.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.813 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.141 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion: 70 Resp: 56449
Ion Ratio Lower Upper
70 100
42 59.7 59.8 89.6#
101 0.0 7.4 11.2#
130 2.4 16.6 24.8#

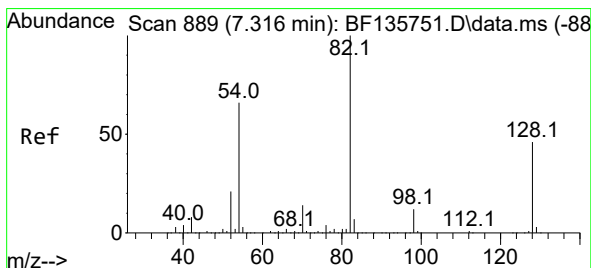
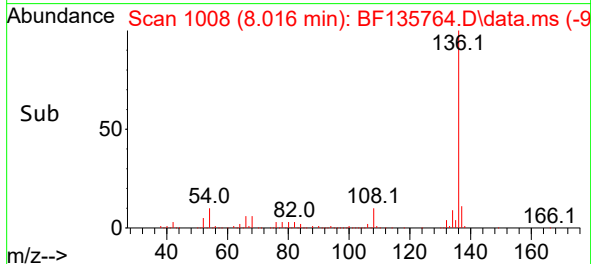
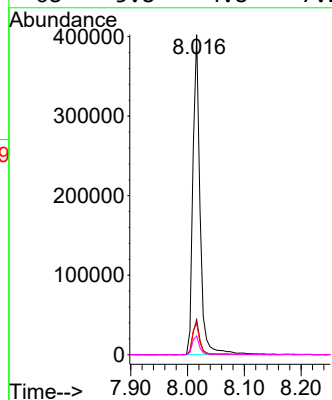
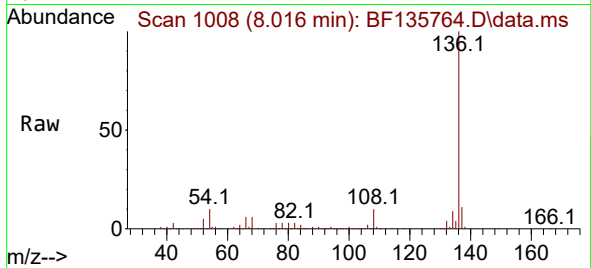




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

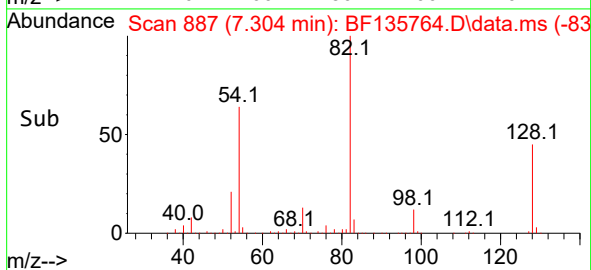
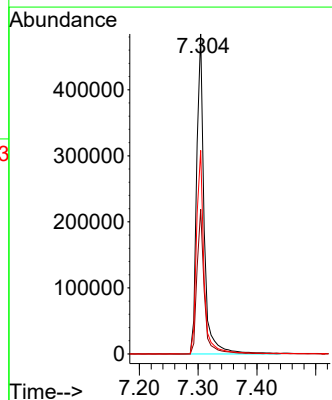
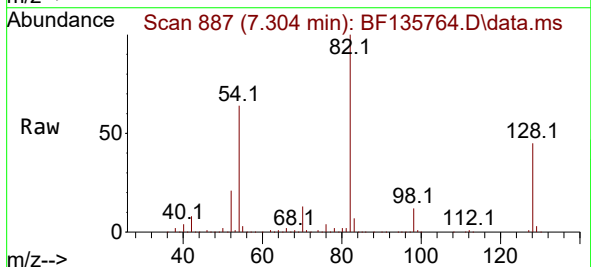
Instrument :
BNA_F
ClientSampleId :
HD-02-101023

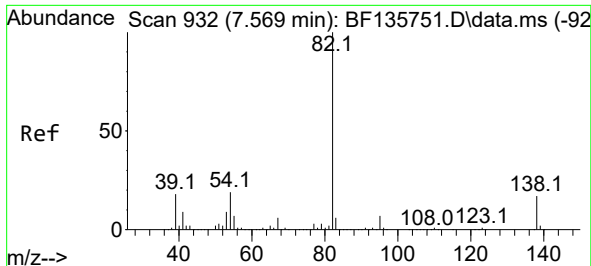
Tgt Ion:136 Resp: 353647
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 9.7 8.5 12.7
68 5.8 4.8 7.2



#23
Nitrobenzene-d5
Concen: 66.473 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.012 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion: 82 Resp: 427426
Ion Ratio Lower Upper
82 100
128 45.2 37.0 55.6
54 63.6 52.8 79.2

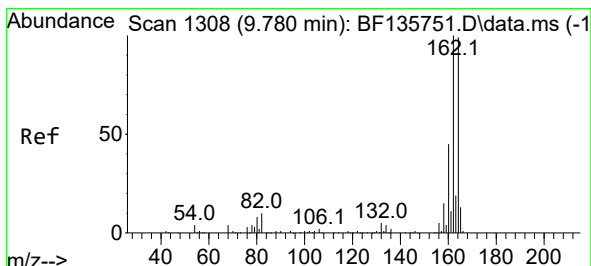
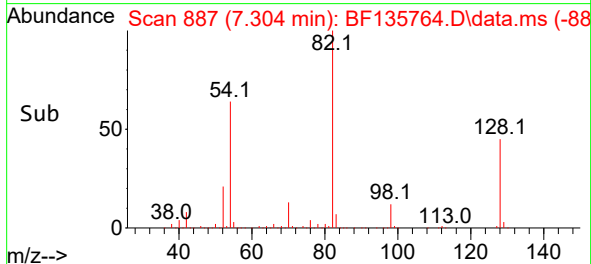
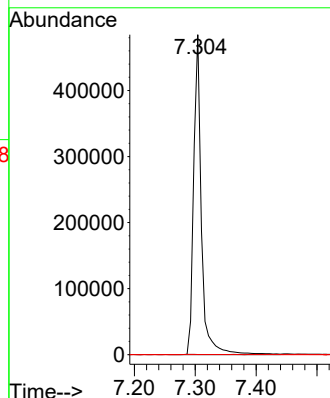
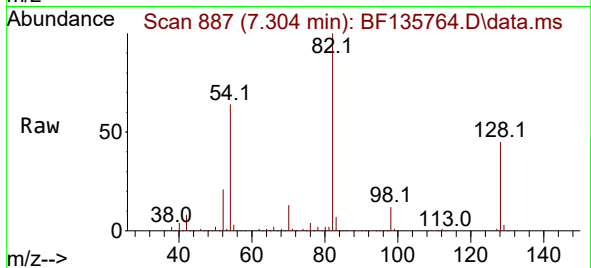




#25
Isophorone
Concen: 35.235 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

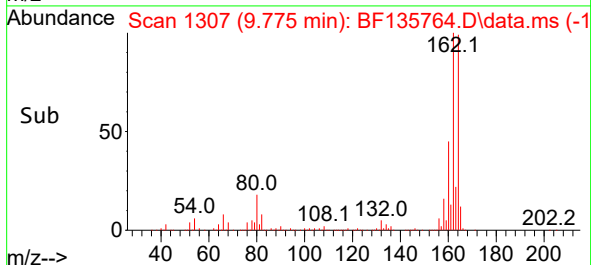
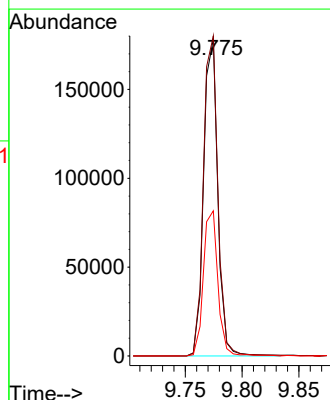
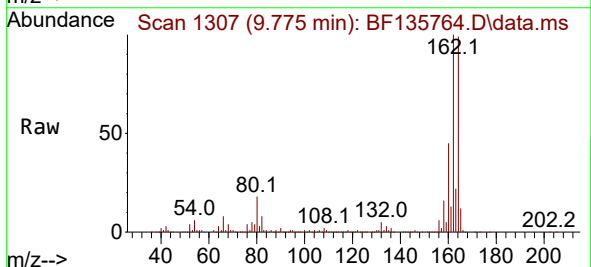
Instrument :
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ClientSampleId :
HD-02-101023

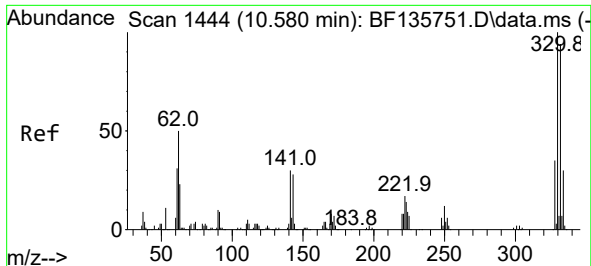
Tgt Ion: 82 Resp: 427423
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion: 164 Resp: 154099
Ion Ratio Lower Upper
164 100
162 101.0 80.8 121.2
160 45.8 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 83.646 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023

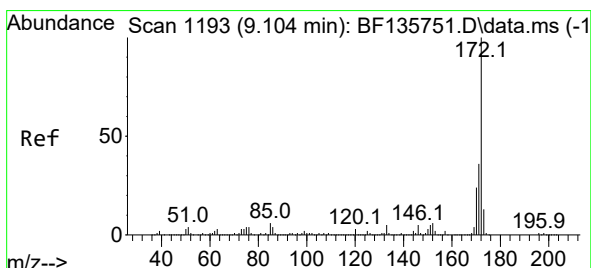
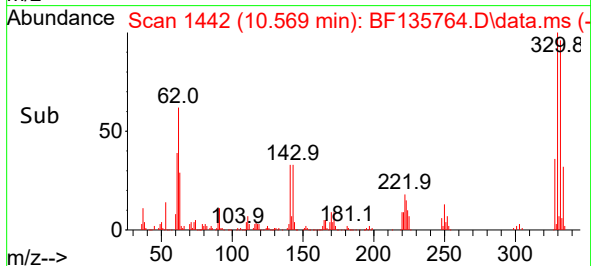
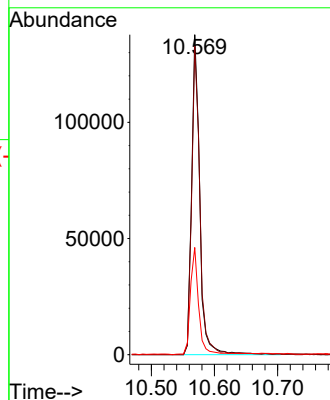
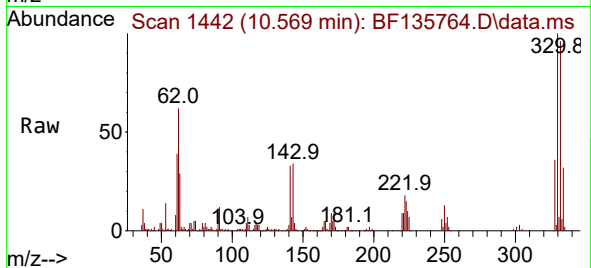
Tgt Ion:330 Resp: 123687

Ion Ratio Lower Upper

330 100

332 97.0 75.0 112.4

141 34.7 25.8 38.6



#45

2-Fluorobiphenyl

Concen: 72.678 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.012 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

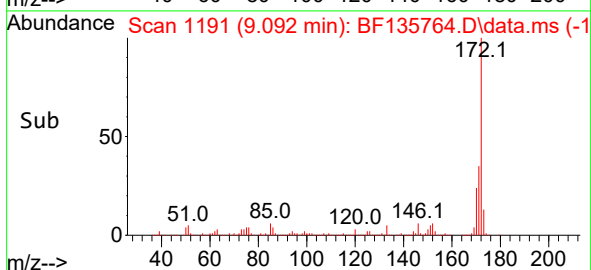
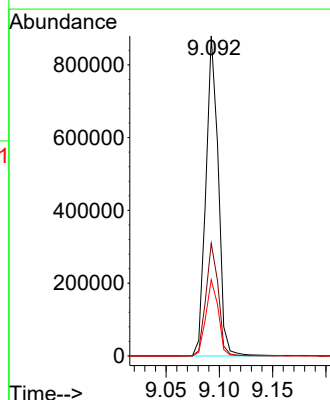
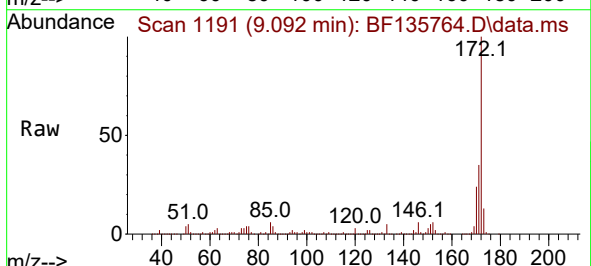
Tgt Ion:172 Resp: 716316

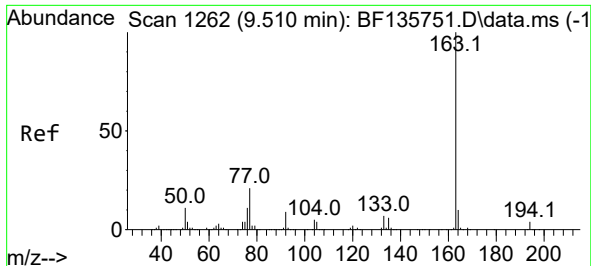
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.8 18.8 28.2

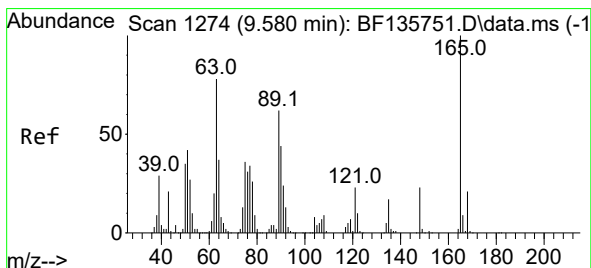
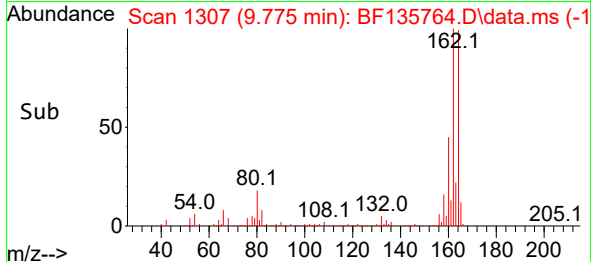
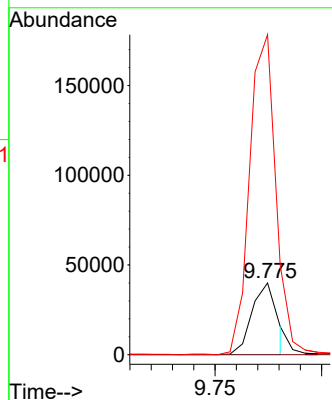
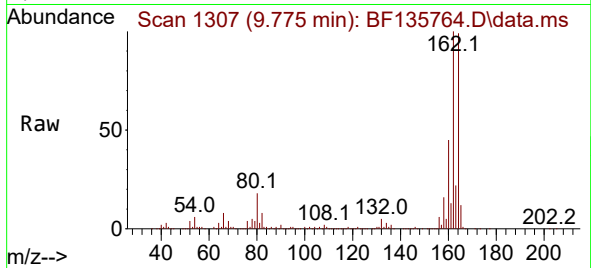




#50
Dimethylphthalate
Concen: 3.144 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

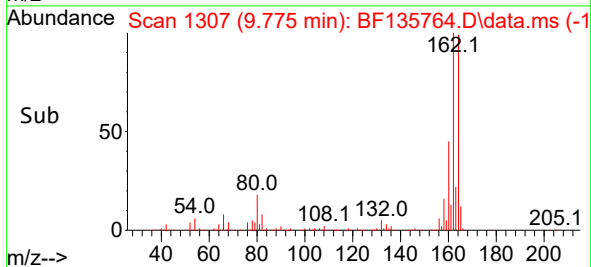
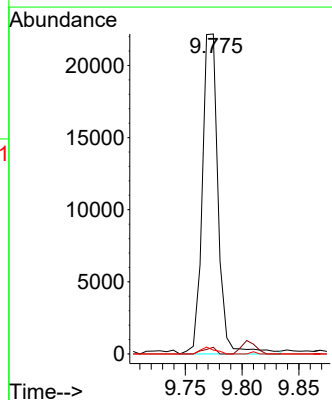
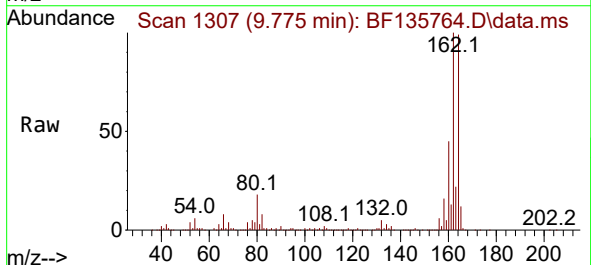
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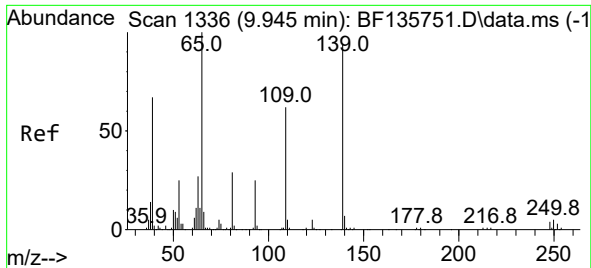
Tgt Ion:163 Resp: 32701
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 446.0 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 9.634 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.194 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion:165 Resp: 21551
Ion Ratio Lower Upper
165 100
63 2.1 62.2 93.4#
89 1.2 49.6 74.4#

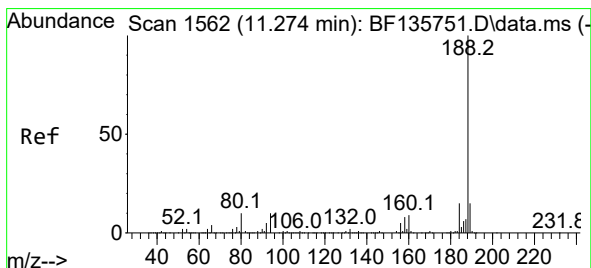
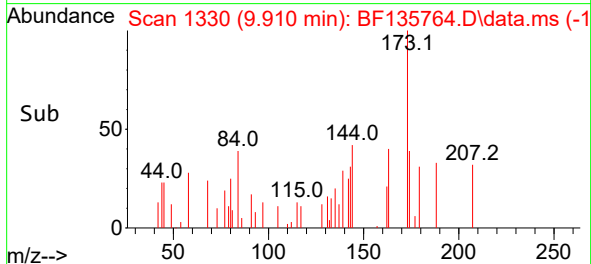
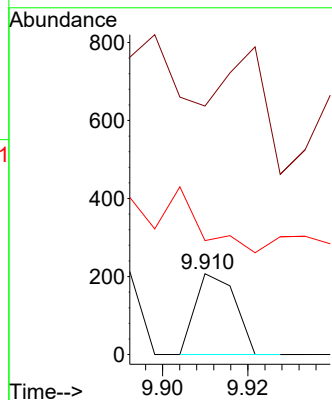
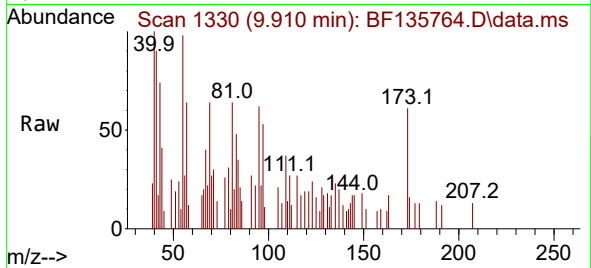




#56
4-Nitrophenol
Concen: 5.592 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

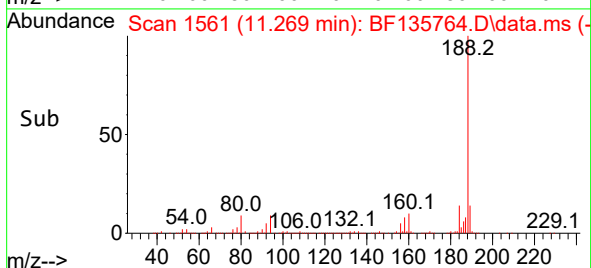
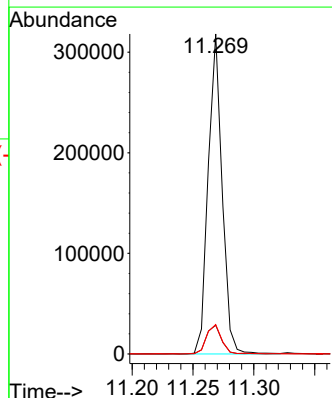
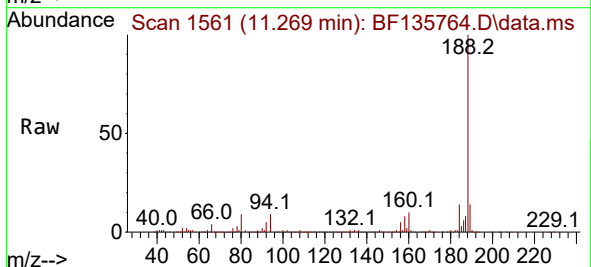
Instrument :
BNA_F
ClientSampleId :
HD-02-101023

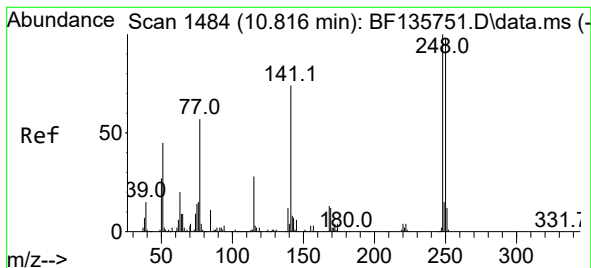
Tgt Ion:139 Resp: 135
Ion Ratio Lower Upper
139 100
109 307.7 45.6 85.6#
65 141.1 87.5 127.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion:188 Resp: 252851
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 9.2 8.3 12.5

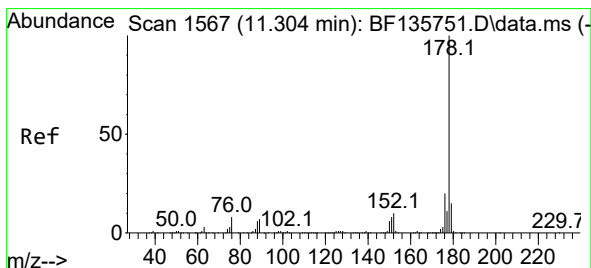
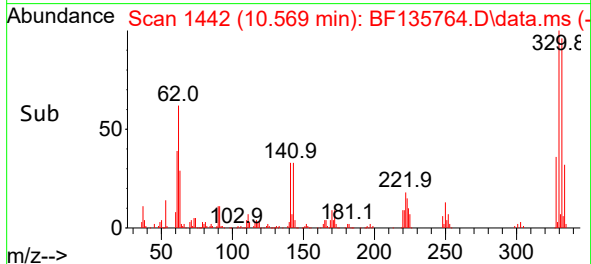
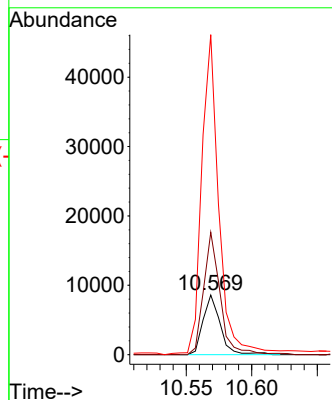
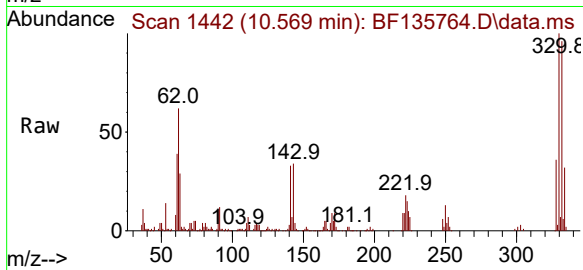




#67
4-Bromophenyl-phenylether
Concen: 3.107 ng
RT: 10.569 min Scan# 1484
Delta R.T. -0.247 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

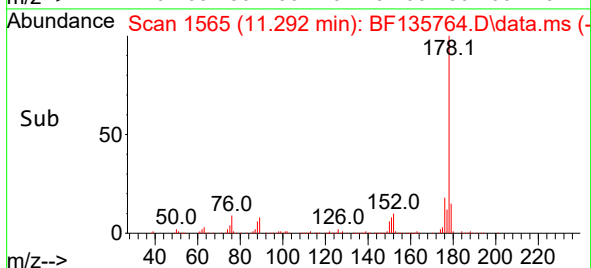
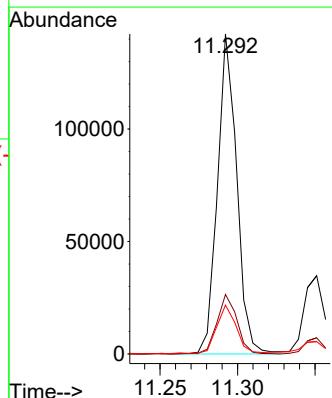
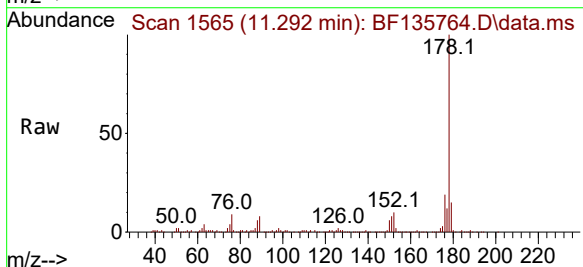
Instrument :
BNA_F
ClientSampleId :
HD-02-101023

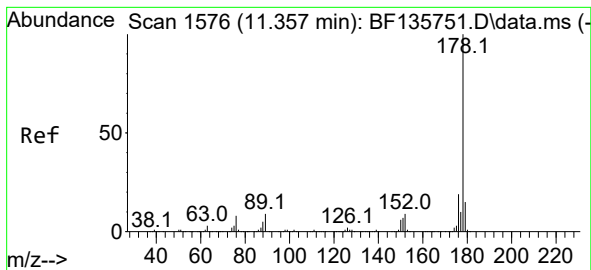
Tgt Ion:248 Resp: 7887
Ion Ratio Lower Upper
248 100
250 205.0 78.0 117.0#
141 536.0 59.0 88.6#



#71
Phenanthrene
Concen: 10.164 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion:178 Resp: 123112
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.3 12.2 18.4





#72

Anthracene

Concen: 2.530 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023

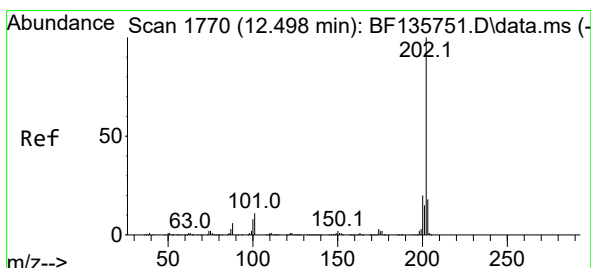
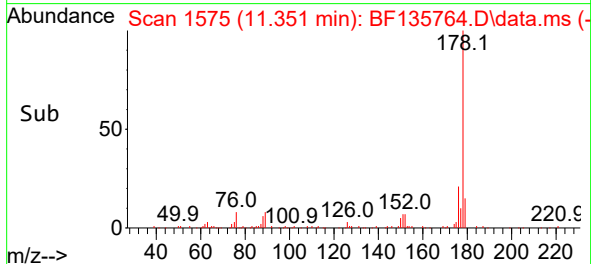
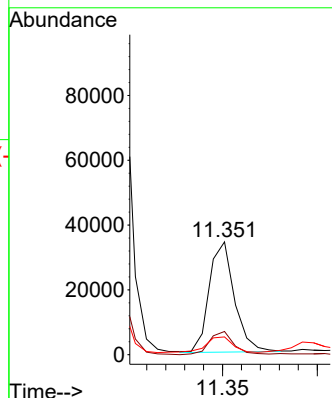
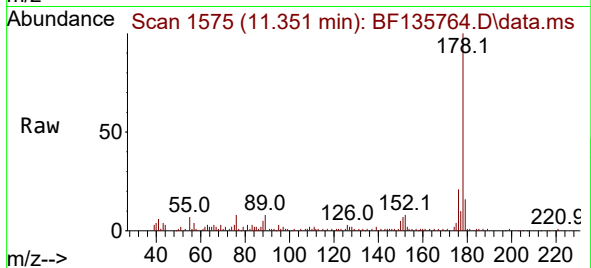
Tgt Ion:178 Resp: 31760

Ion Ratio Lower Upper

178 100

176 20.6 15.1 22.7

179 15.8 12.3 18.5



#75

Fluoranthene

Concen: 19.487 ng

RT: 12.492 min Scan# 1769

Delta R.T. -0.006 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

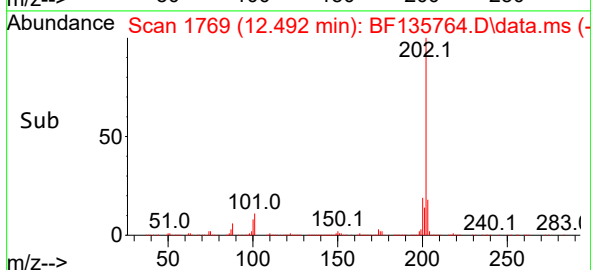
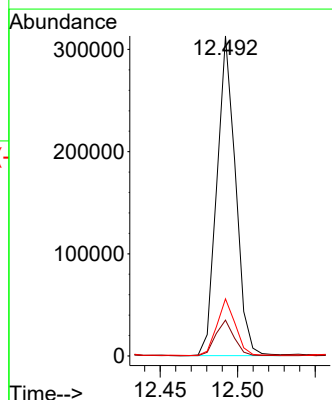
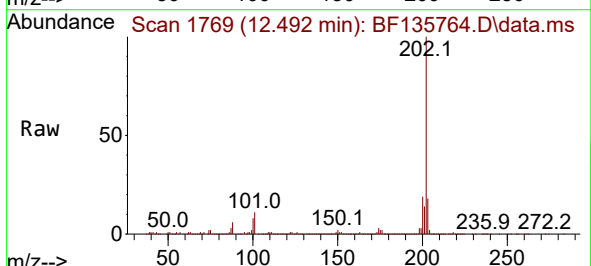
Tgt Ion:202 Resp: 261970

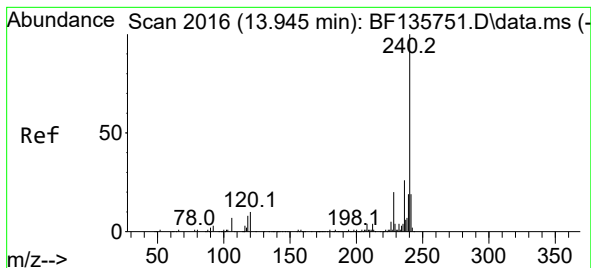
Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.5

203 17.8 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.933 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023

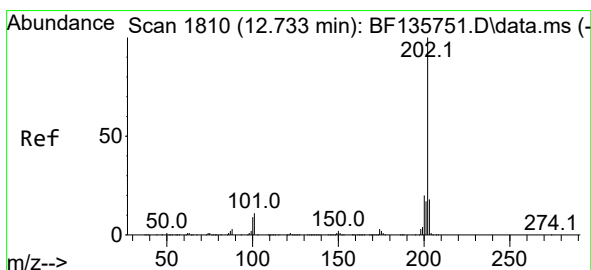
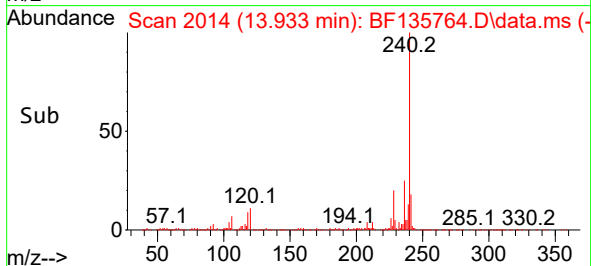
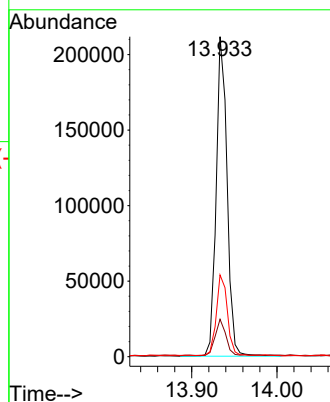
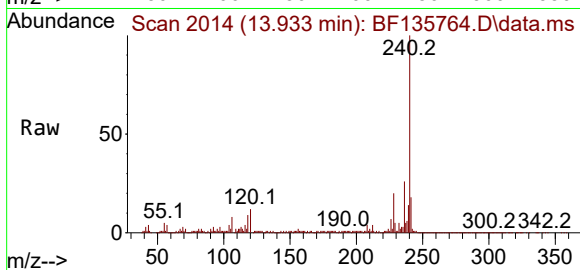
Tgt Ion:240 Resp: 189849

Ion Ratio Lower Upper

240 100

120 11.7 8.2 12.2

236 25.6 21.2 31.8



#78

Pyrene

Concen: 17.082 ng

RT: 12.722 min Scan# 1808

Delta R.T. -0.012 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

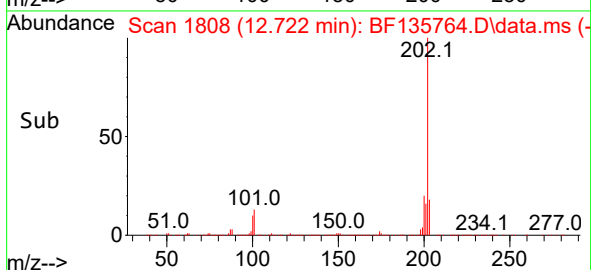
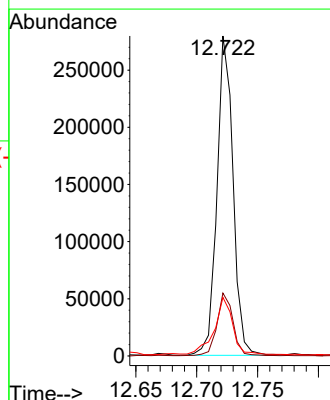
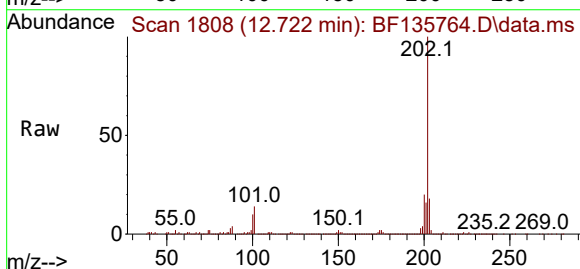
Tgt Ion:202 Resp: 257700

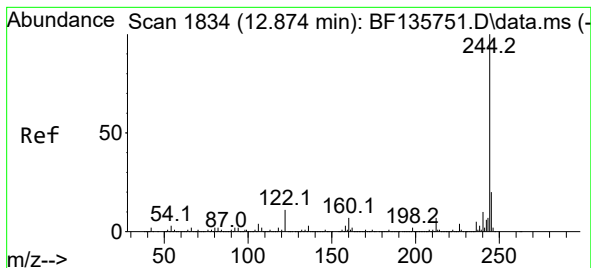
Ion Ratio Lower Upper

202 100

200 19.6 16.1 24.1

203 18.3 14.2 21.2





#79

Terphenyl-d14

Concen: 60.381 ng

RT: 12.863 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

Instrument :

BNA_F

ClientSampleId :

HD-02-101023

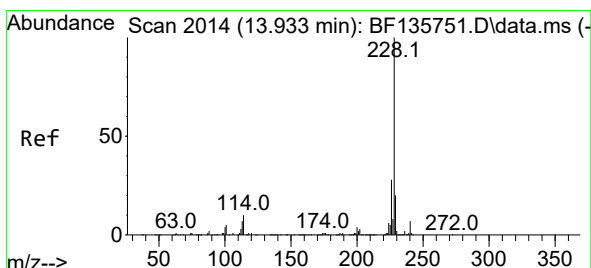
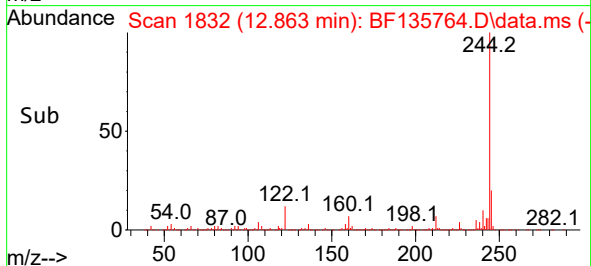
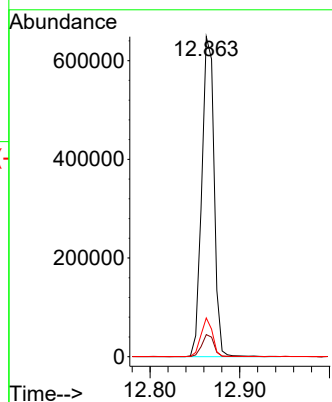
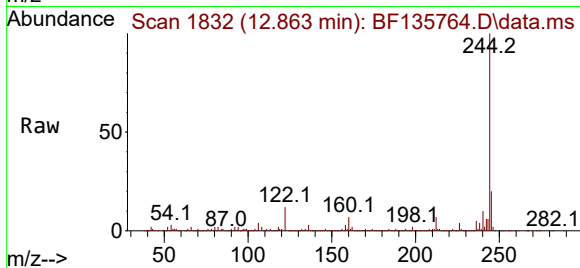
Tgt Ion:244 Resp: 618992

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

122 12.1 9.0 13.6



#81

Benzo(a)anthracene

Concen: 8.393 ng

RT: 13.927 min Scan# 2013

Delta R.T. -0.006 min

Lab File: BF135764.D

Acq: 13 Oct 2023 21:13

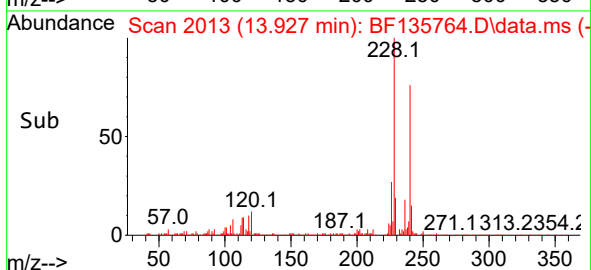
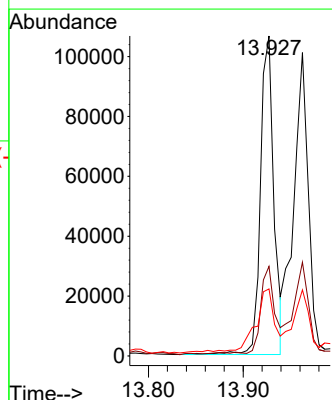
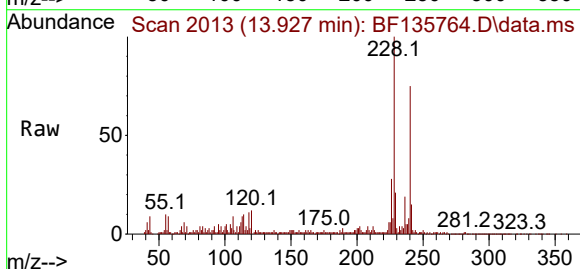
Tgt Ion:228 Resp: 104662

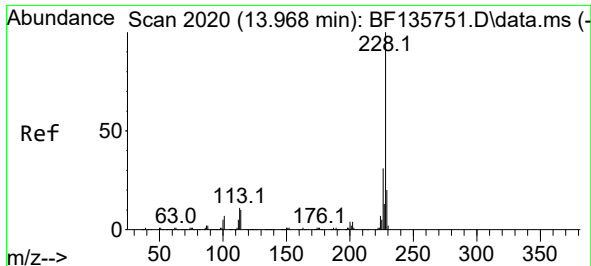
Ion Ratio Lower Upper

228 100

226 28.0 22.2 33.2

229 20.9 16.1 24.1

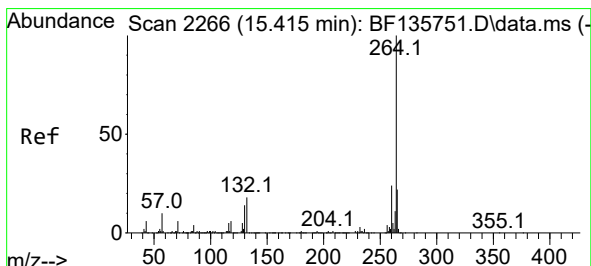
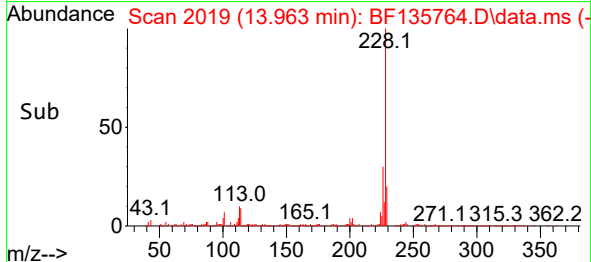
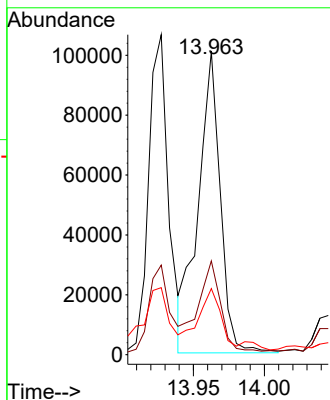
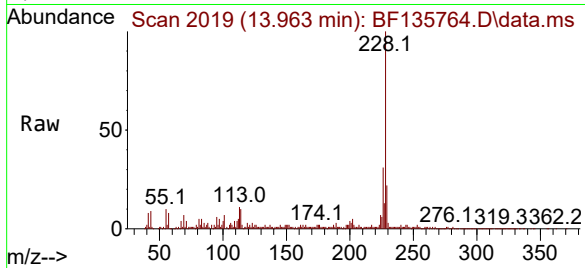




#83
Chrysene
Concen: 9.107 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

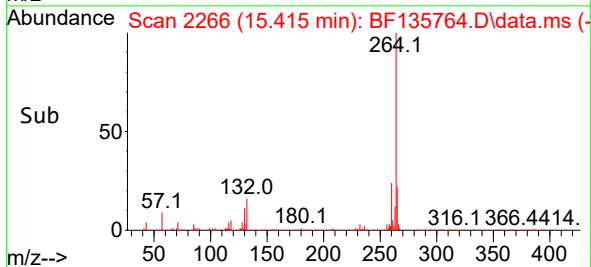
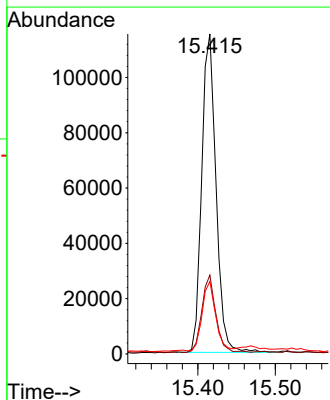
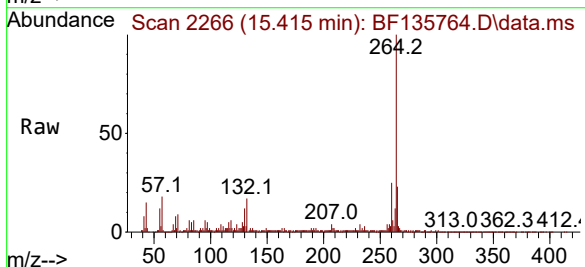
Instrument :
BNA_F
ClientSampleId :
HD-02-101023

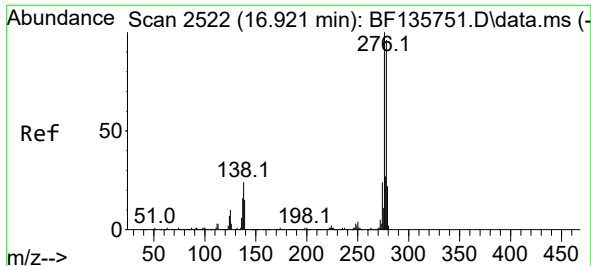
Tgt Ion:228 Resp: 110000
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 21.8 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion:264 Resp: 147237
Ion Ratio Lower Upper
264 100
260 24.6 19.2 28.8
265 22.7 17.4 26.2

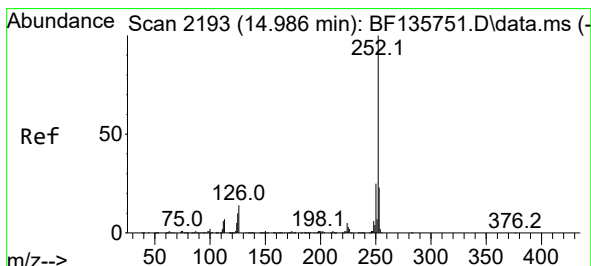
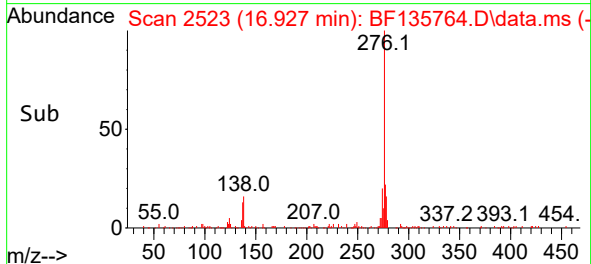
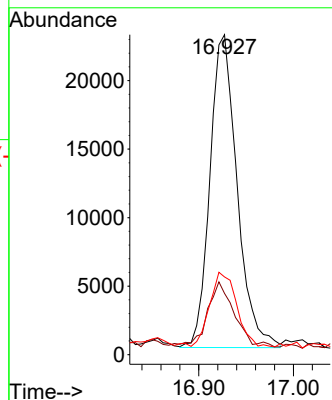
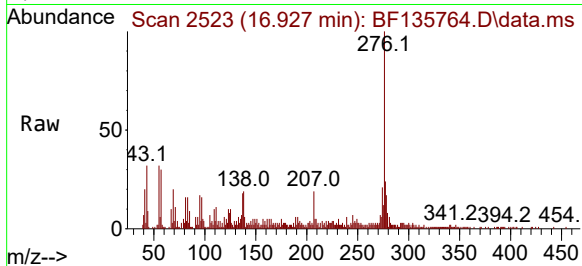




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.678 ng
RT: 16.927 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

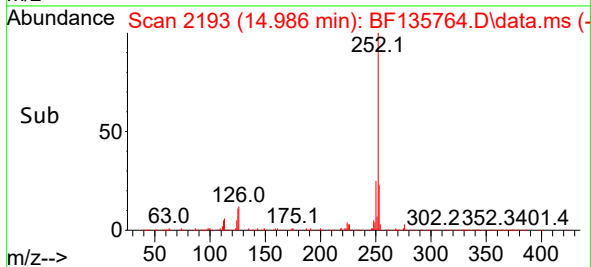
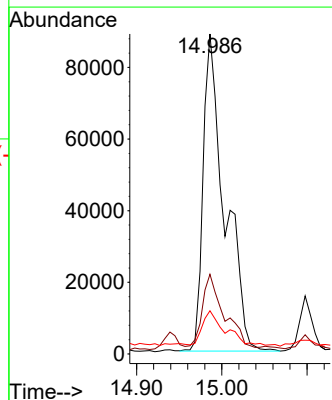
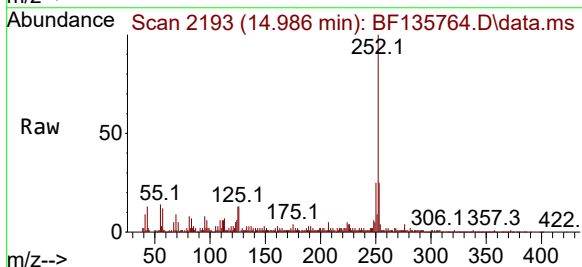
Instrument :
BNA_F
ClientSampleId :
HD-02-101023

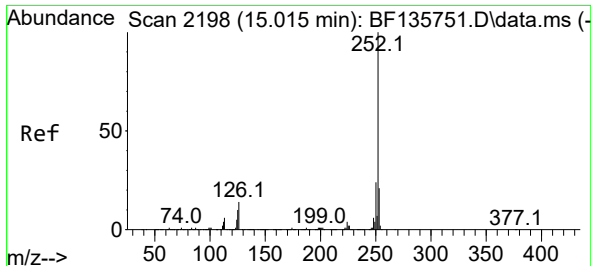
Tgt Ion:276 Resp: 45553
Ion Ratio Lower Upper
276 100
138 20.5 19.8 29.6
277 23.7 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 18.955 ng
RT: 14.986 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Tgt Ion:252 Resp: 156194
Ion Ratio Lower Upper
252 100
253 24.9 18.2 27.2
125 13.5 8.2 12.2#

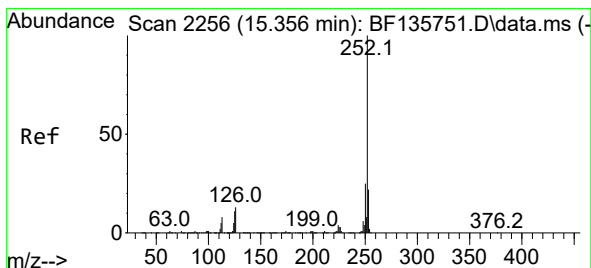
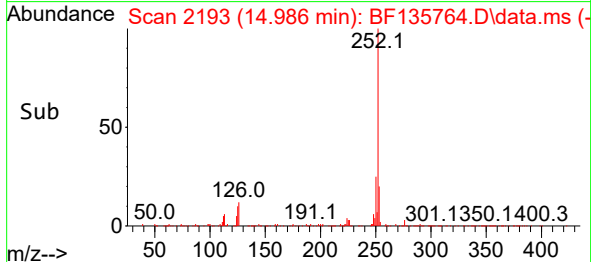
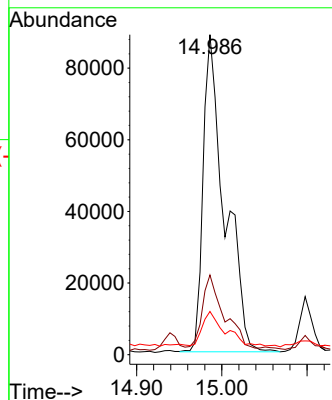
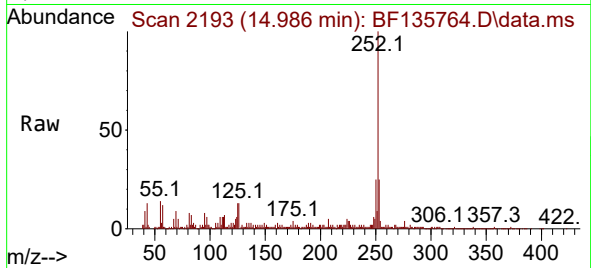




#89
Benzo(k)fluoranthene
Concen: 19.524 ng
RT: 14.986 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

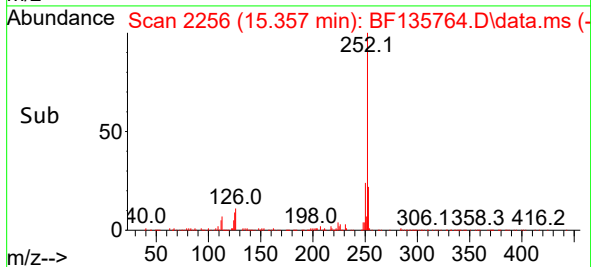
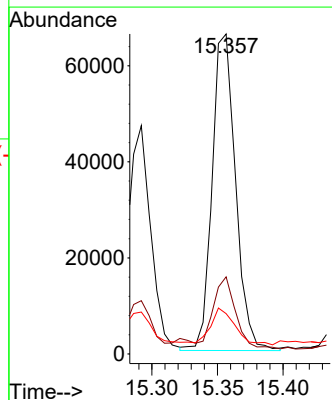
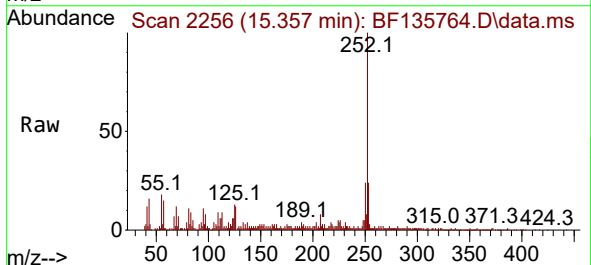
Instrument :
BNA_F
ClientSampleId :
HD-02-101023

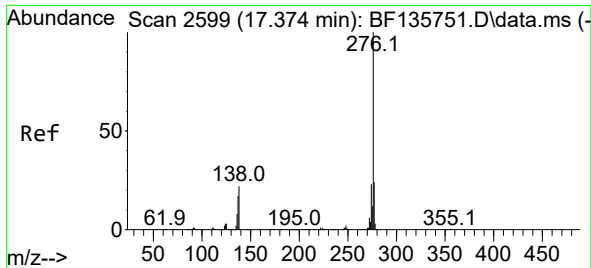
Tgt Ion:252 Resp: 156194
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 13.5 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 10.580 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

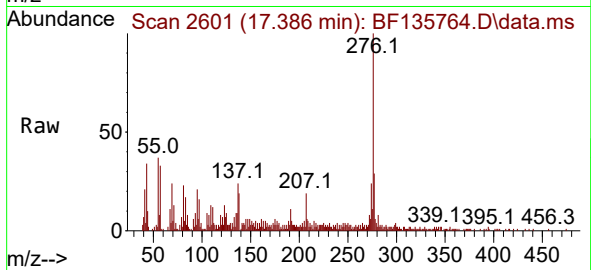
Tgt Ion:252 Resp: 81983
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 12.6 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 6.885 ng
RT: 17.386 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF135764.D
Acq: 13 Oct 2023 21:13

Instrument :
BNA_F
ClientSampleId :
HD-02-101023



Tgt Ion:	276	Resp:	46512
Ion	Ratio	Lower	Upper
276	100		
277	28.9	19.4	29.2
138	19.4	17.3	25.9

