

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135375.D
 Acq On : 21 Sep 2023 12:27
 Operator : CG\JU
 Sample : 04394-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B103-08

Quant Time: Sep 22 05:53:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

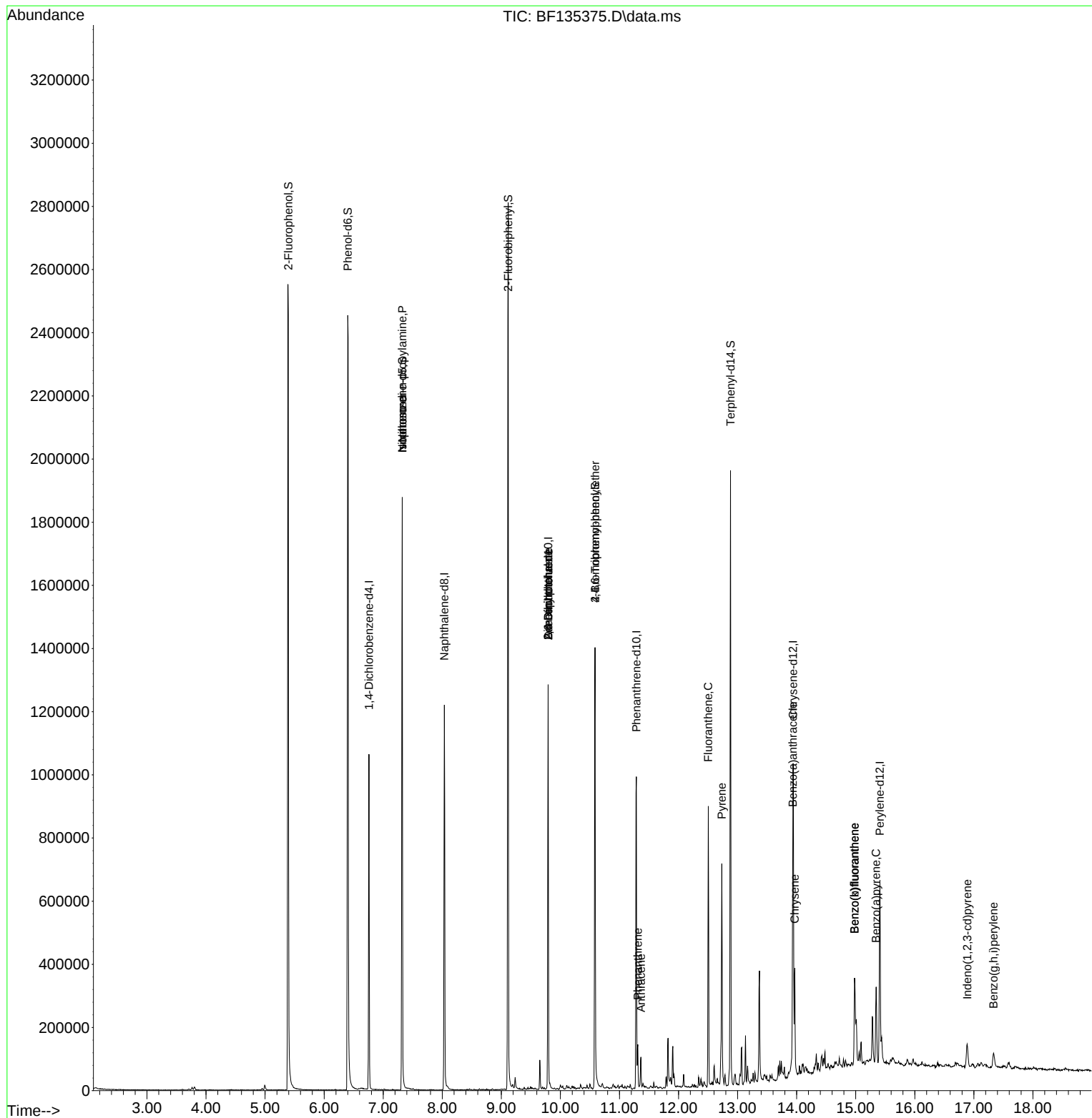
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	140972	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	531799	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	240783	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	376853	20.000	ng	0.00
76) Chrysene-d12	13.939	240	265187	20.000	ng	0.00
86) Perylene-d12	15.410	264	271035	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	741916	85.598	ng	0.00
7) Phenol-d6	6.398	99	931989	84.563	ng	0.00
23) Nitrobenzene-d5	7.322	82	571590	58.395	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	160024	66.877	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	911219	57.096	ng	-0.01
79) Terphenyl-d14	12.880	244	635820	37.168	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.322	70	74508	10.914	ng	# 79
25) Isophorone	7.322	82	571582	31.800	ng	# 65
50) Dimethylphthalate	9.792	163	45863	2.817	ng	# 1
51) 2,6-Dinitrotoluene	9.792	165	30291	8.494	ng	# 17
57) 2,4-Dinitrotoluene	9.792	165	30292	6.785	ng	# 18
67) 4-Bromophenyl-phenylether	10.586	248	10166	2.712	ng	# 1
71) Phenanthrene	11.310	178	47869	2.686	ng	98
72) Anthracene	11.363	178	37791	2.063	ng	98
75) Fluoranthene	12.504	202	335942	18.089	ng	99
78) Pyrene	12.733	202	277478	10.990	ng	98
81) Benzo(a)anthracene	13.933	228	156319	9.129	ng	94
83) Chrysene	13.969	228	135401	7.953	ng	99
87) Indeno(1,2,3-cd)pyrene	16.886	276	47582	2.678	ng	98
88) Benzo(b)fluoranthene	14.980	252	208935	14.240	ng	# 97
89) Benzo(k)fluoranthene	14.980	252	208935	14.416	ng	# 97
90) Benzo(a)pyrene	15.345	252	114075	8.153	ng	98
92) Benzo(g,h,i)perylene	17.333	276	40847	2.690	ng	# 94

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

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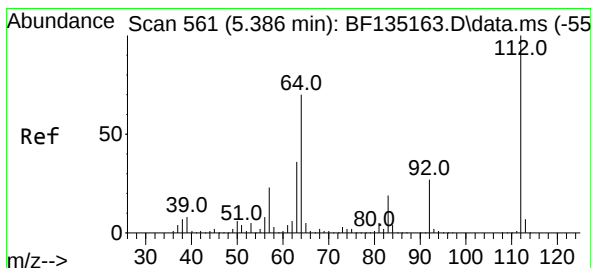
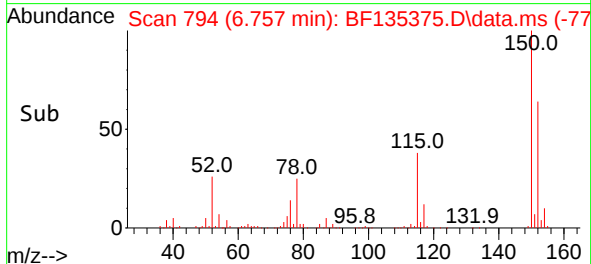
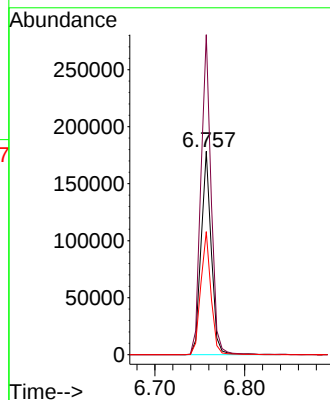
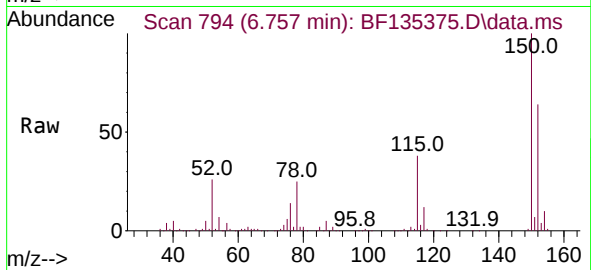




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

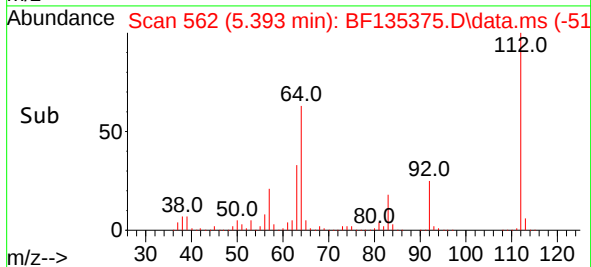
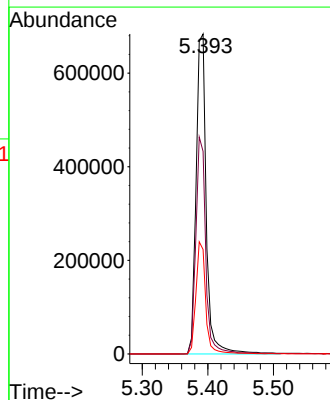
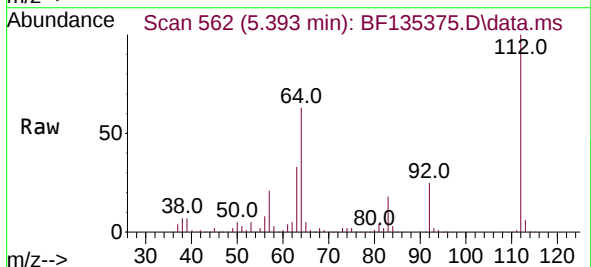
Instrument :
BNA_F
ClientSampleId :
B103-08

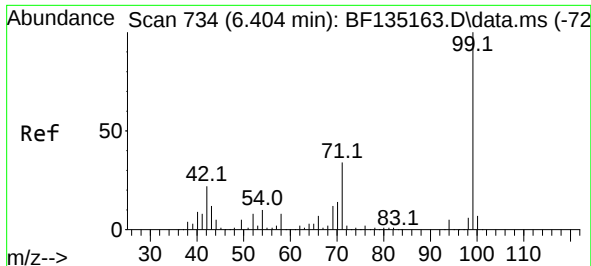
Tgt Ion:152 Resp: 140972
Ion Ratio Lower Upper
152 100
150 157.4 127.8 191.6
115 60.5 49.8 74.8



#5
2-Fluorophenol
Concen: 85.598 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

Tgt Ion:112 Resp: 741916
Ion Ratio Lower Upper
112 100
64 63.3 55.9 83.9
63 32.7 29.0 43.6

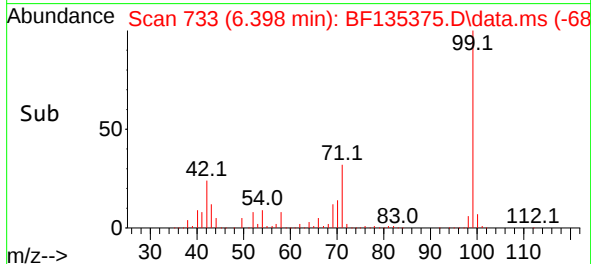
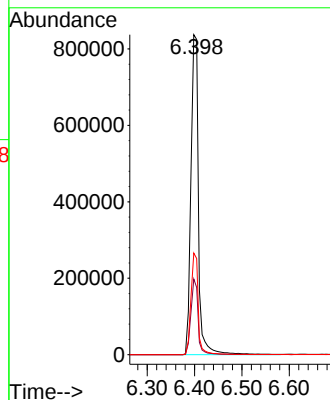
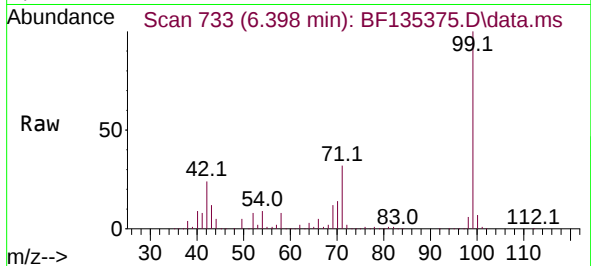




#7
Phenol-d6
Concen: 84.563 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

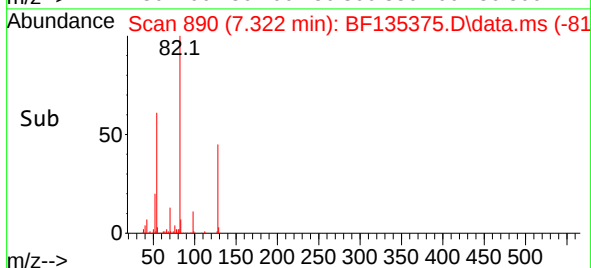
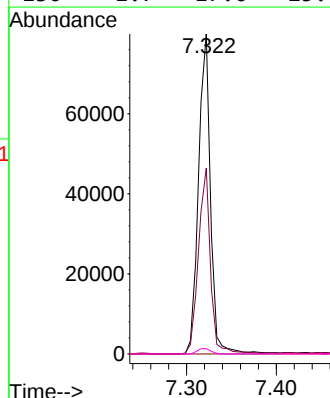
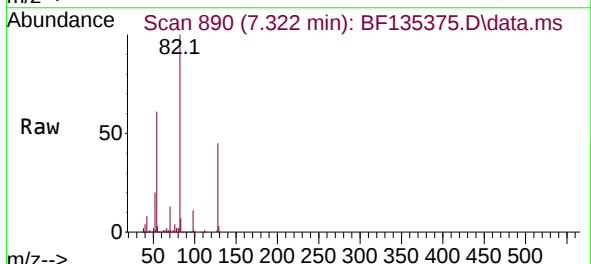
Instrument :
BNA_F
ClientSampleId :
B103-08

Tgt Ion: 99 Resp: 931989
Ion Ratio Lower Upper
99 100
42 23.7 17.9 26.9
71 31.8 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 10.914 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.136 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

Tgt Ion: 70 Resp: 74508
Ion Ratio Lower Upper
70 100
42 58.1 55.4 83.0
101 0.0 7.7 11.5#
130 1.7 17.0 25.6#

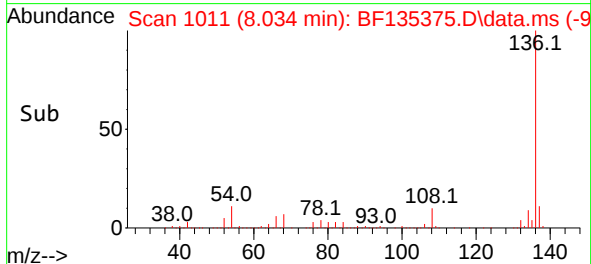
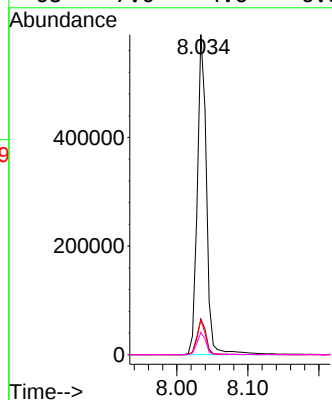
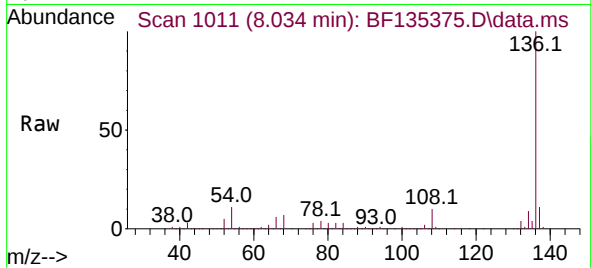




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1013
Delta R.T. -0.011 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

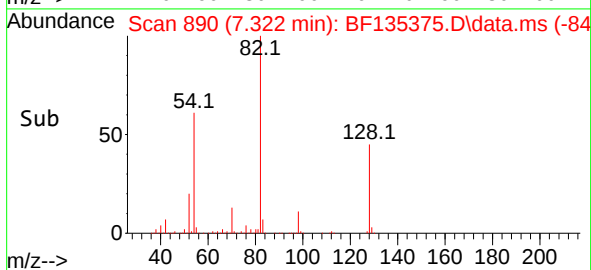
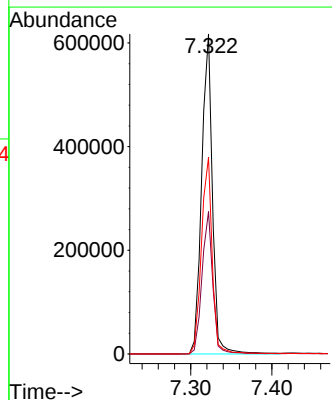
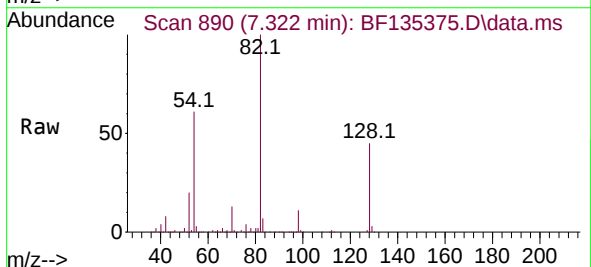
Instrument :
BNA_F
ClientSampleId :
B103-08

Tgt Ion:136 Resp: 531799
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 10.8 7.7 11.5
68 7.0 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 58.395 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

Tgt Ion: 82 Resp: 571590
Ion Ratio Lower Upper
82 100
128 44.5 35.8 53.6
54 61.4 50.6 76.0

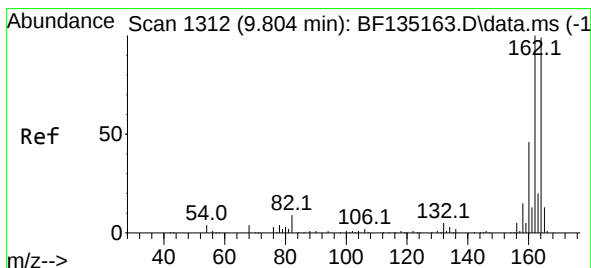
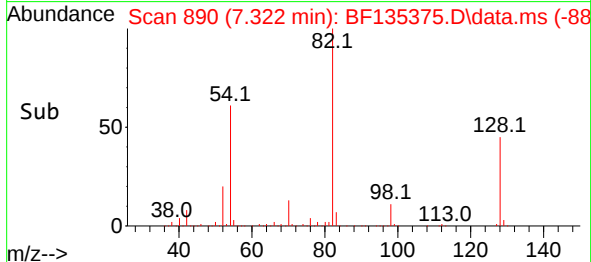
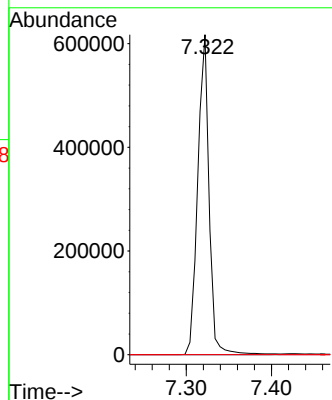
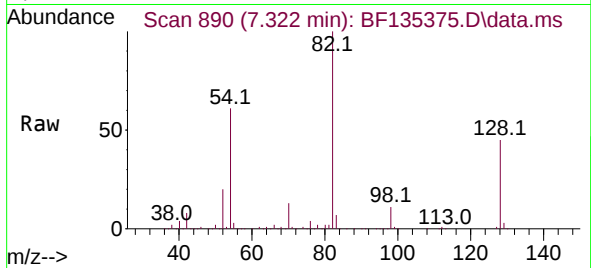




#25
Isophorone
Concen: 31.800 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

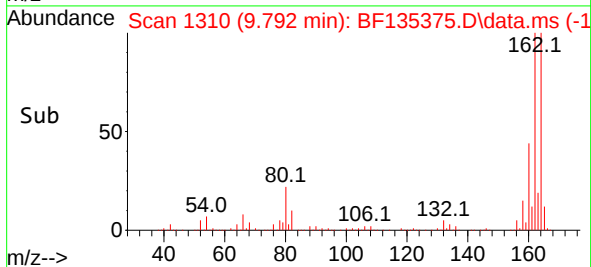
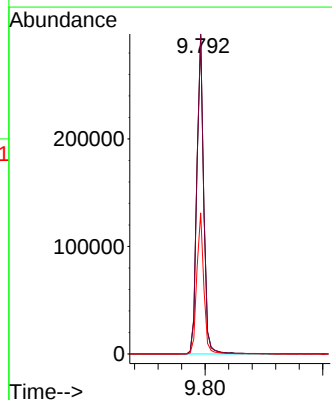
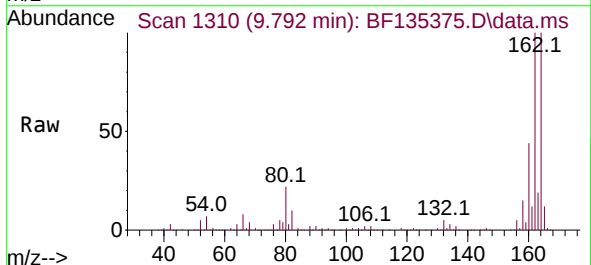
Instrument :
BNA_F
ClientSampleId :
B103-08

Tgt Ion: 82 Resp: 571582
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: 9.792 min Scan# 1310
Delta R.T. -0.011 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

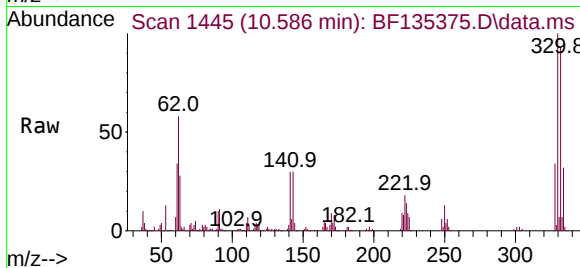
Tgt Ion:164 Resp: 240783
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.4
160 44.3 37.0 55.4



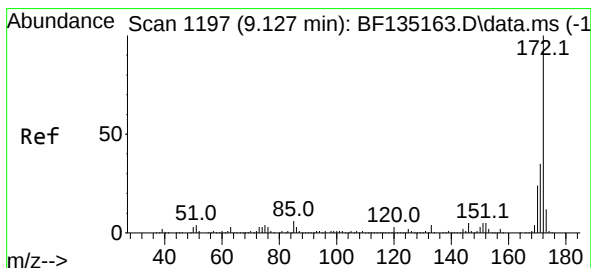
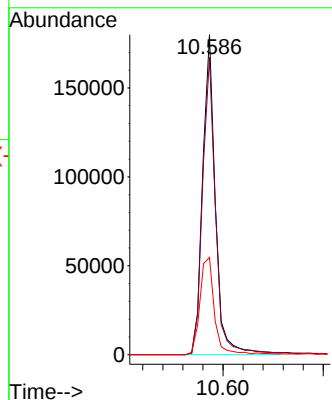
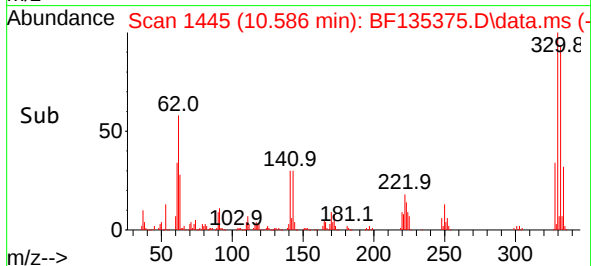


#42
 2,4,6-Tribromophenol
 Concen: 66.877 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. -0.011 min
 Lab File: BF135375.D
 Acq: 21 Sep 2023 12:27

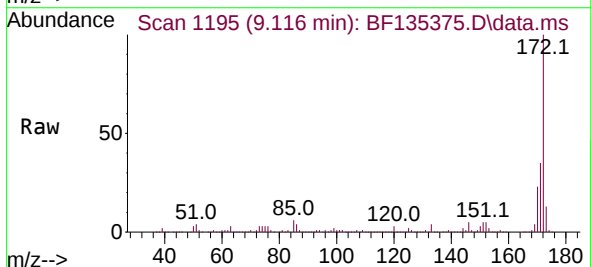
Instrument :
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 ClientSampleId :
 B103-08



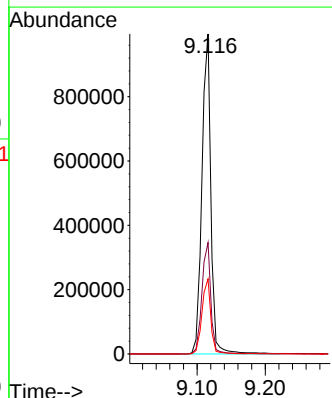
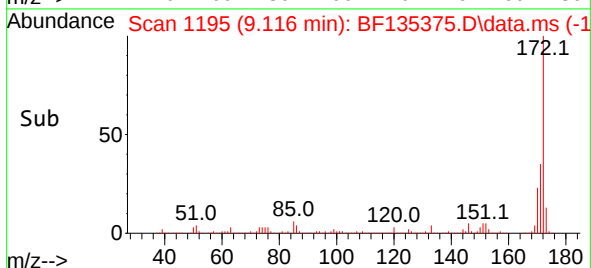
Tgt Ion:330 Resp: 160024
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.3 115.9
 141 34.9 25.8 38.8



#45
 2-Fluorobiphenyl
 Concen: 57.096 ng
 RT: 9.116 min Scan# 1195
 Delta R.T. -0.012 min
 Lab File: BF135375.D
 Acq: 21 Sep 2023 12:27



Tgt Ion:172 Resp: 911219
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.4 42.6
 170 23.5 19.0 28.4

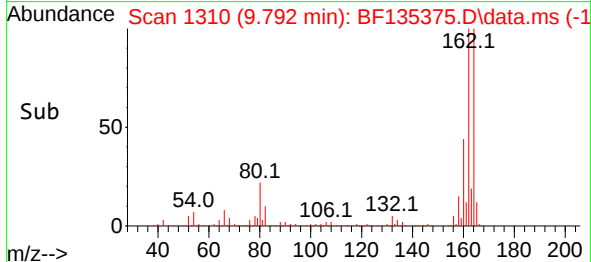
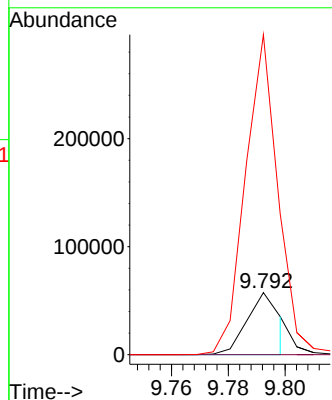
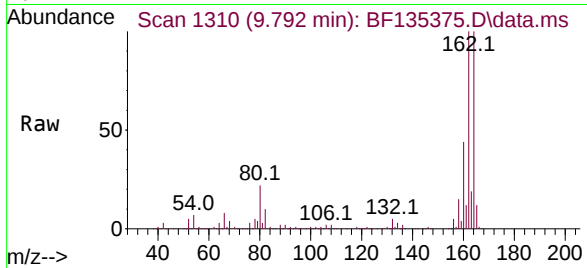




#50
Dimethylphthalate
Concen: 2.817 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.259 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

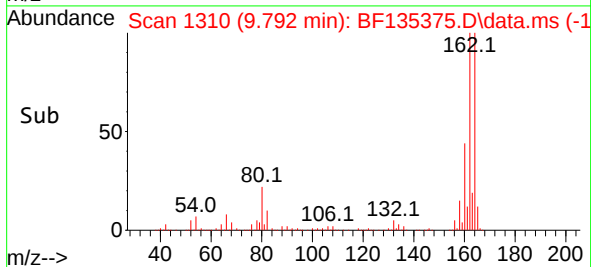
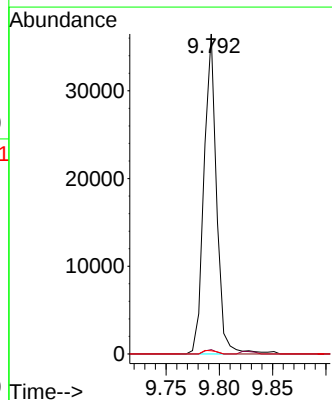
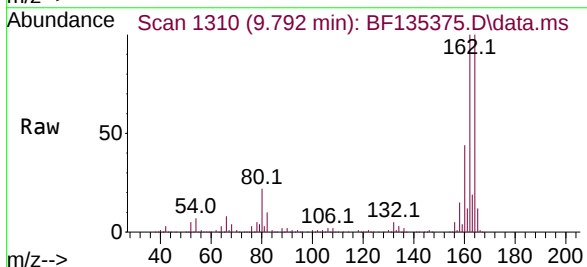
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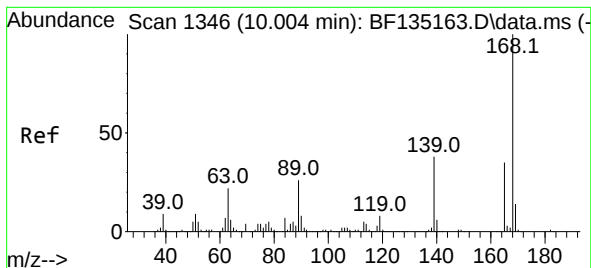
Tgt Ion:163 Resp: 45863
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 515.7 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.494 ng
RT: 9.792 min Scan# 1310
Delta R.T. 0.200 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

Tgt Ion:165 Resp: 30291
Ion Ratio Lower Upper
165 100
63 1.3 59.4 89.2#
89 1.0 49.8 74.8#

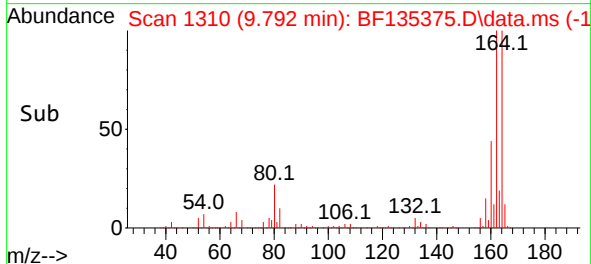
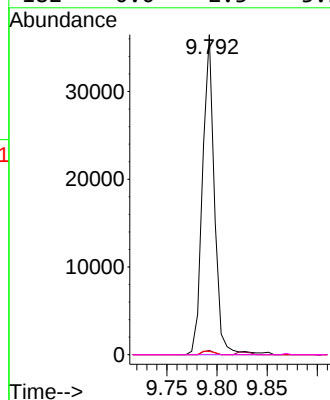
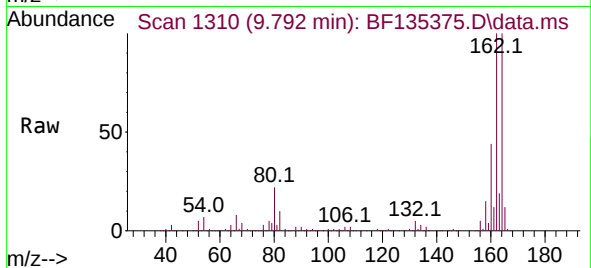




#57
2,4-Dinitrotoluene
Concen: 6.785 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.211 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

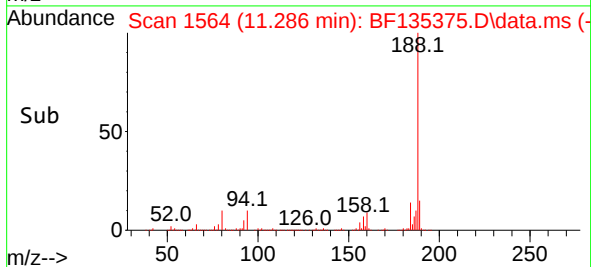
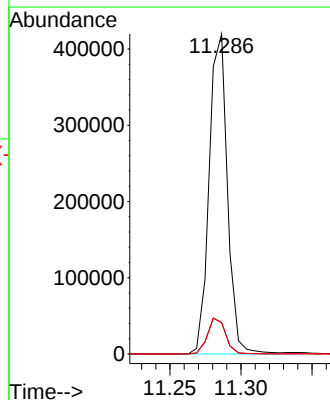
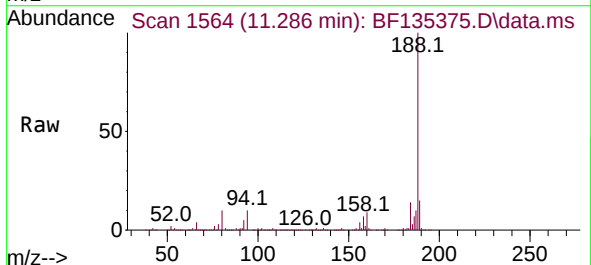
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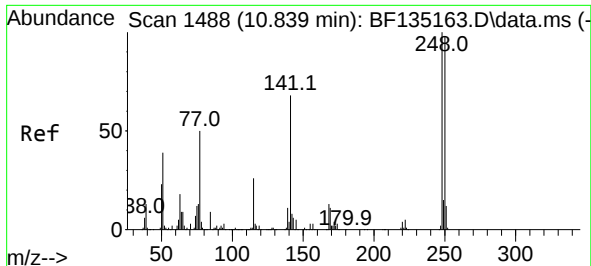
Tgt Ion:165	Resp:	30292
Ion Ratio	Lower	Upper
165	100	
63	1.3	50.1 75.1#
89	1.0	59.3 88.9#
182	0.0	2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

Tgt Ion:188	Resp:	376853
Ion Ratio	Lower	Upper
188	100	
94	9.8	7.0 10.6
80	9.8	7.5 11.3





#67

4-Bromophenyl-phenylether

Concen: 2.712 ng

RT: 10.586 min Scan# 1488

Delta R.T. -0.253 min

Lab File: BF135375.D

Acq: 21 Sep 2023 12:27

Instrument :

BNA_F

ClientSampleId :

B103-08

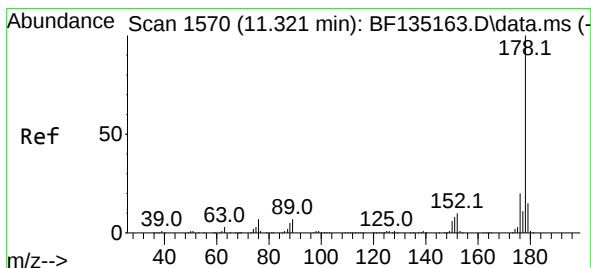
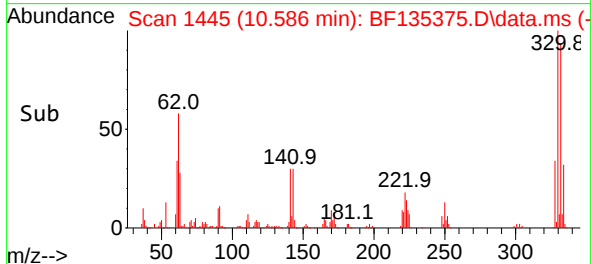
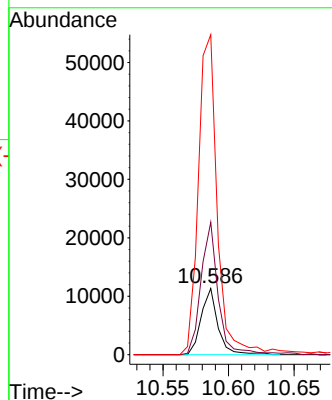
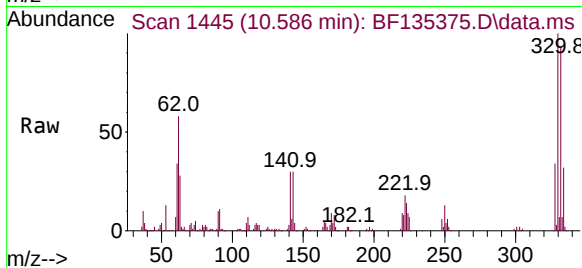
Tgt Ion:248 Resp: 10166

Ion Ratio Lower Upper

248 100

250 200.1 78.6 117.8#

141 483.1 54.2 81.2#



#71

Phenanthrene

Concen: 2.686 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.011 min

Lab File: BF135375.D

Acq: 21 Sep 2023 12:27

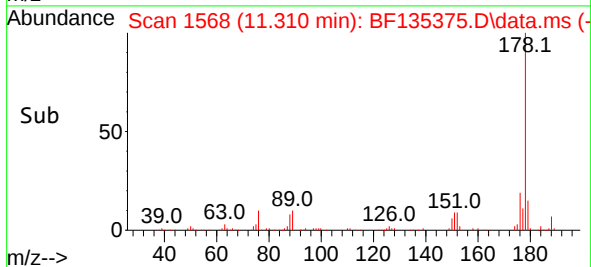
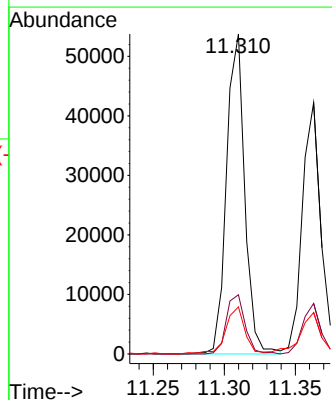
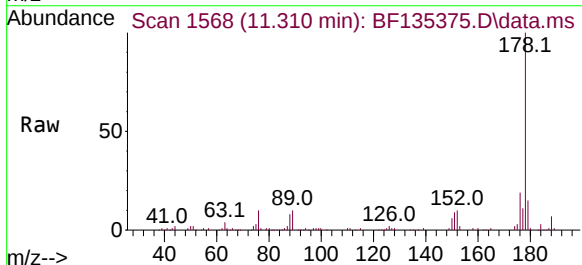
Tgt Ion:178 Resp: 47869

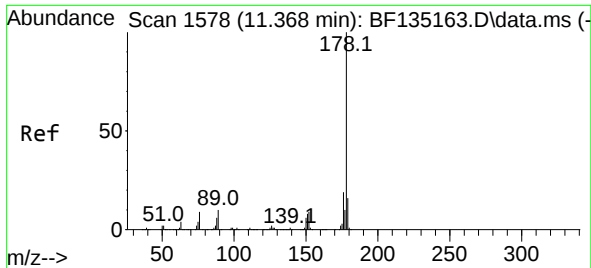
Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

179 14.7 12.0 18.0

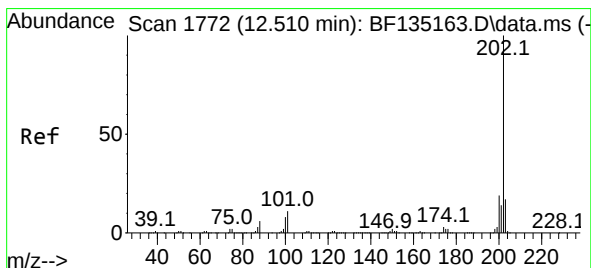
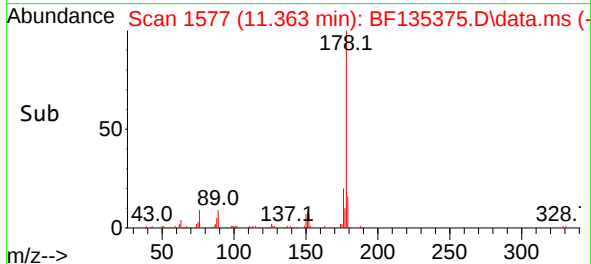
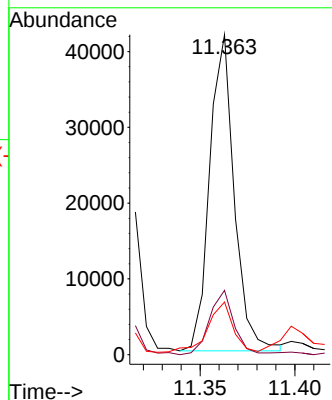
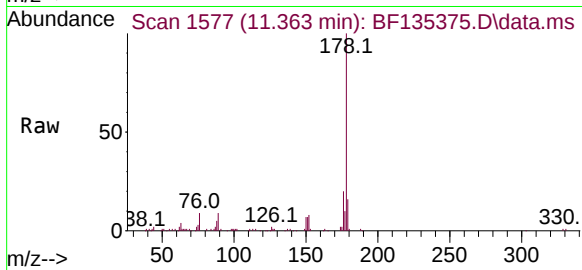




#72
 Anthracene
 Concen: 2.063 ng
 RT: 11.363 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135375.D
 Acq: 21 Sep 2023 12:27

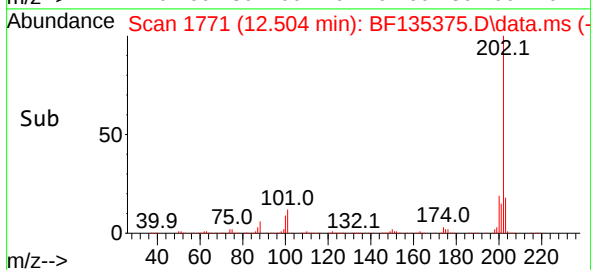
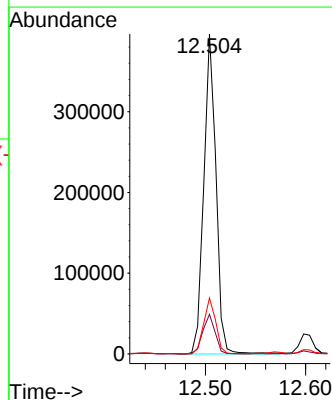
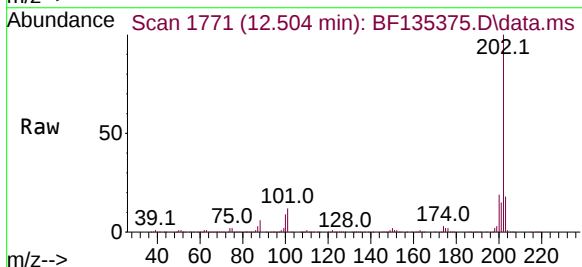
Instrument :
 BNA_F
 ClientSampleId :
 B103-08

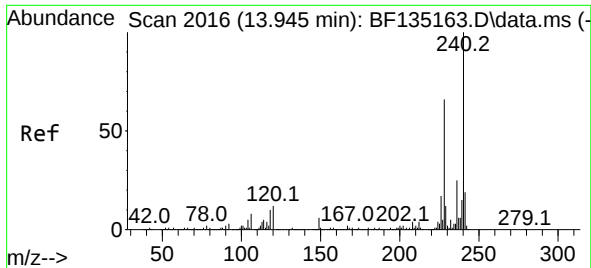
Tgt Ion:178 Resp: 37791
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.4 23.2
 179 16.5 12.6 19.0



#75
 Fluoranthene
 Concen: 18.089 ng
 RT: 12.504 min Scan# 1771
 Delta R.T. -0.006 min
 Lab File: BF135375.D
 Acq: 21 Sep 2023 12:27

Tgt Ion:202 Resp: 335942
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.3
 203 17.5 0.0 37.4

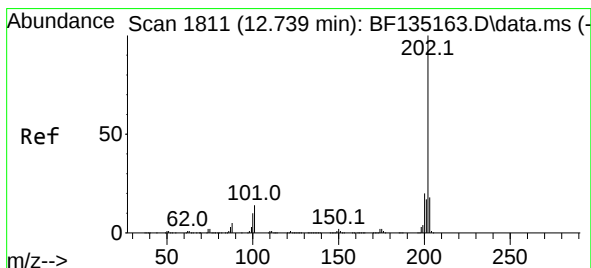
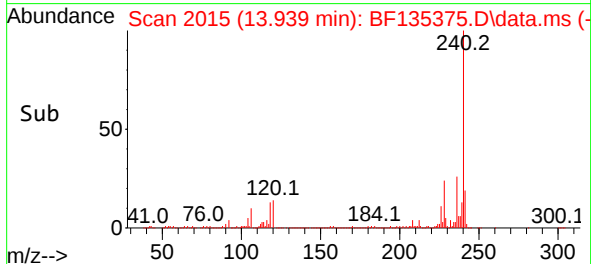
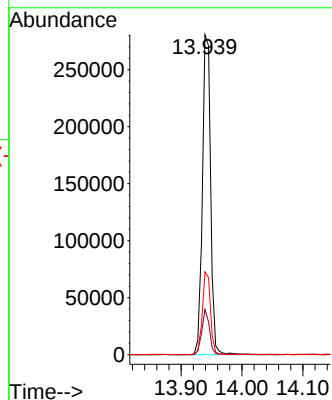
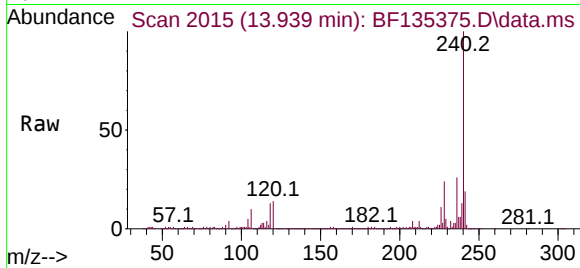




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

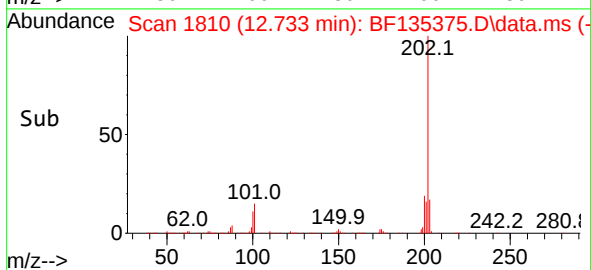
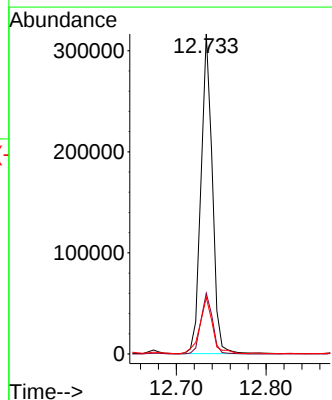
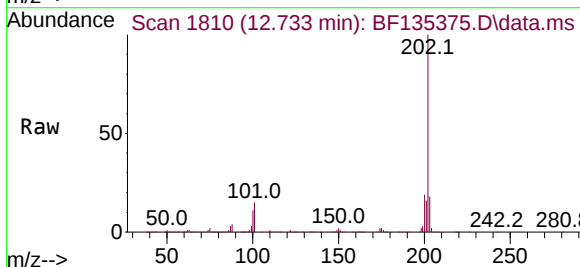
Instrument :
BNA_F
ClientSampleId :
B103-08

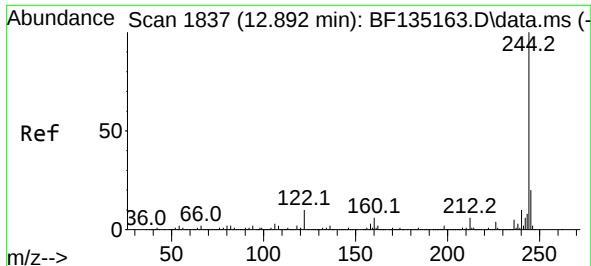
Tgt Ion:240 Resp: 265187
Ion Ratio Lower Upper
240 100
120 14.1 9.4 14.2
236 25.9 19.8 29.8



#78
Pyrene
Concen: 10.990 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

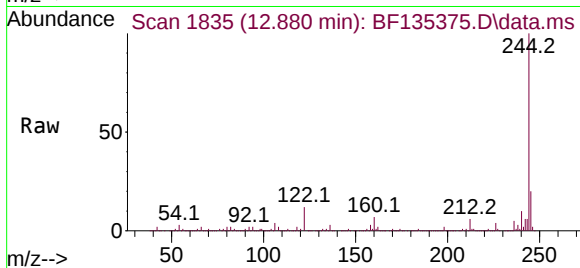
Tgt Ion:202 Resp: 277478
Ion Ratio Lower Upper
202 100
200 19.0 16.2 24.2
203 17.6 14.2 21.4



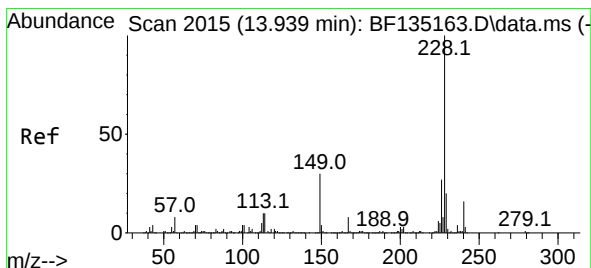
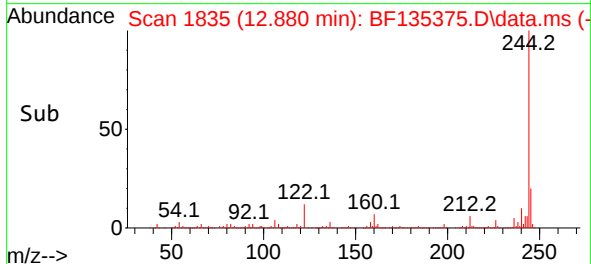
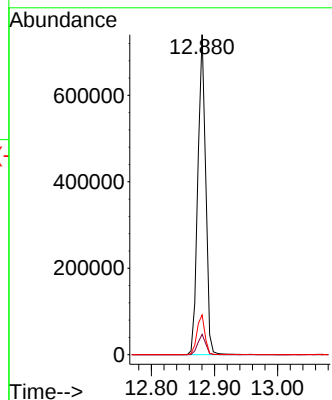


#79
 Terphenyl-d14
 Concen: 37.168 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF135375.D
 Acq: 21 Sep 2023 12:27

Instrument :
 BNA_F
 ClientSampleId :
 B103-08

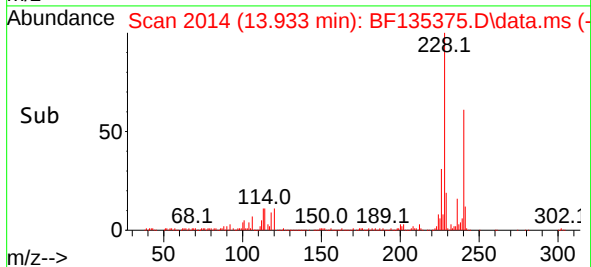
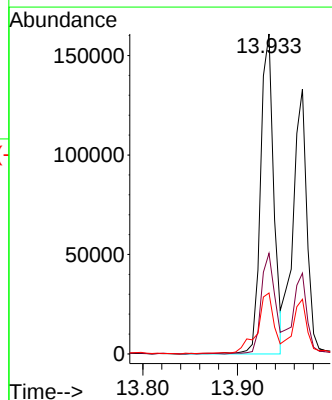
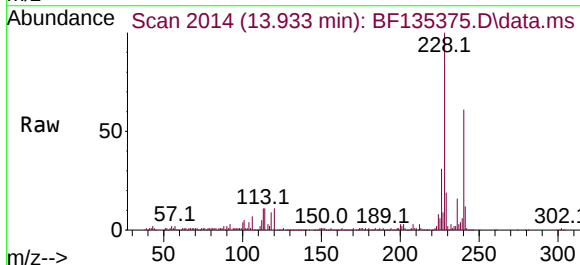


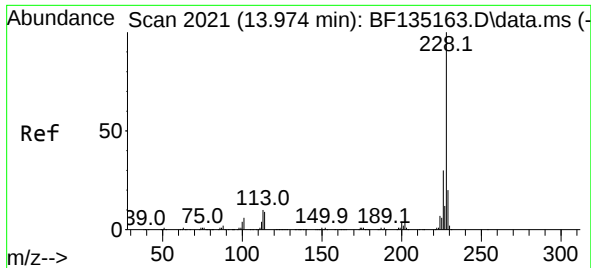
Tgt Ion:244 Resp: 635820
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 12.4 7.9 11.9#



#81
 Benzo(a)anthracene
 Concen: 9.129 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135375.D
 Acq: 21 Sep 2023 12:27

Tgt Ion:228 Resp: 156319
 Ion Ratio Lower Upper
 228 100
 226 31.5 21.7 32.5
 229 19.1 15.8 23.8

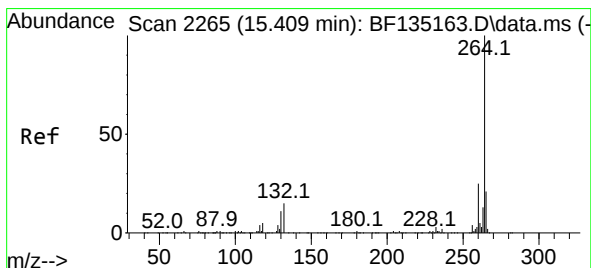
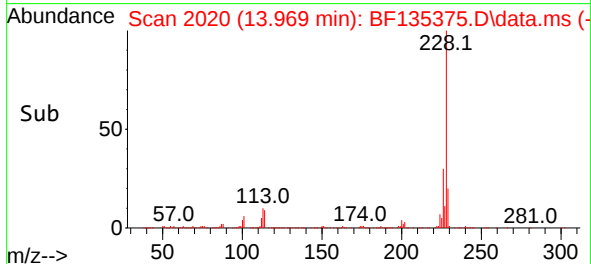
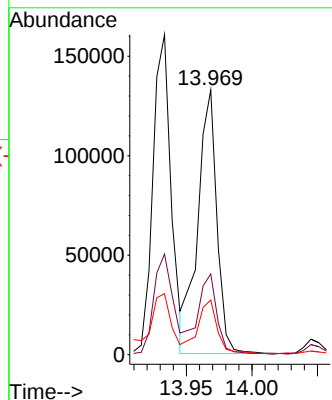
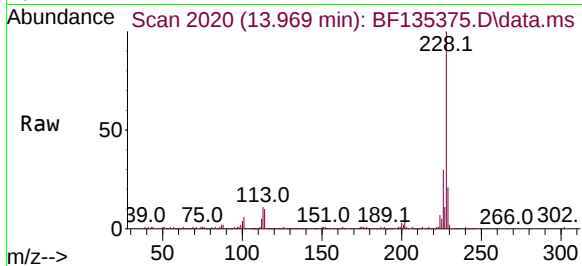




#83
Chrysene
Concen: 7.953 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

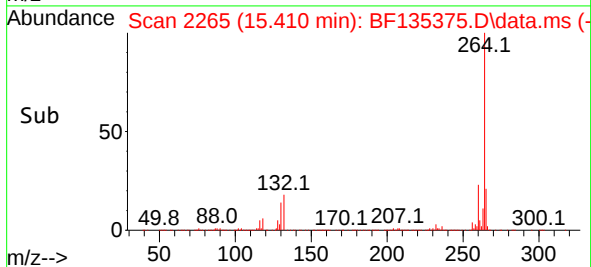
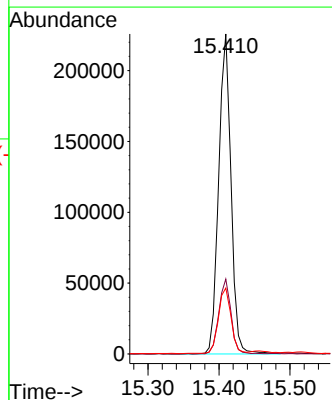
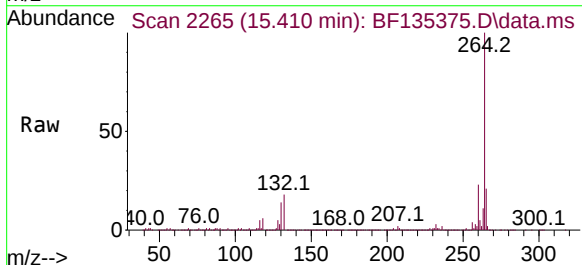
Instrument :
BNA_F
ClientSampleId :
B103-08

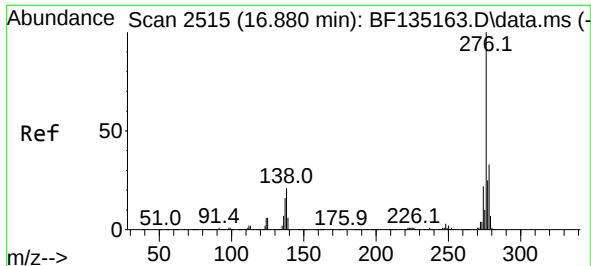
Tgt Ion:228 Resp: 135401
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 20.7 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

Tgt Ion:264 Resp: 271035
Ion Ratio Lower Upper
264 100
260 23.4 19.8 29.6
265 20.6 17.0 25.4

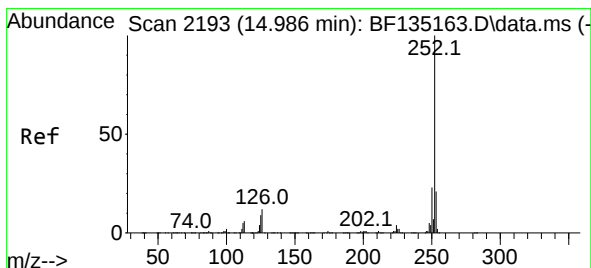
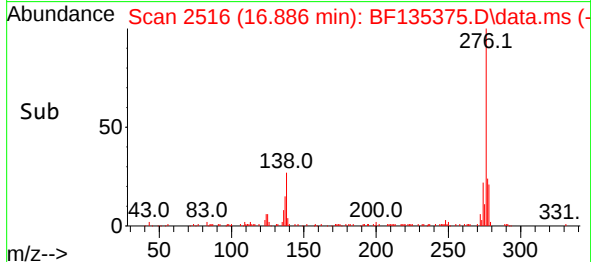
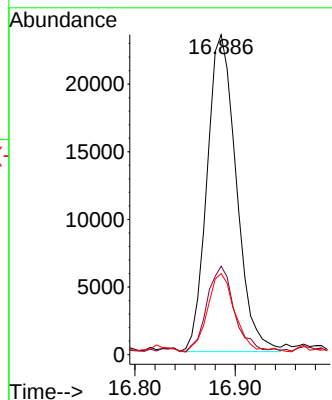
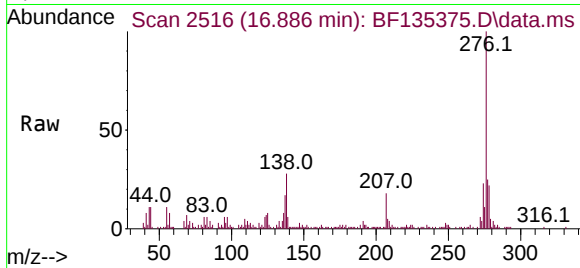




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.678 ng
 RT: 16.886 min Scan# 2115
 Delta R.T. 0.006 min
 Lab File: BF135375.D
 Acq: 21 Sep 2023 12:27

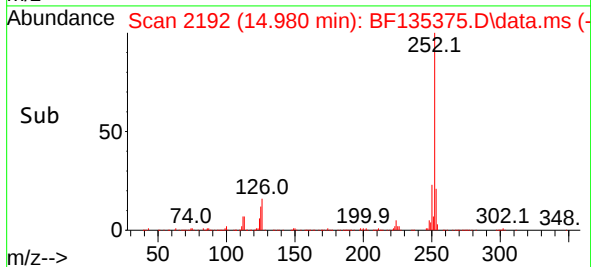
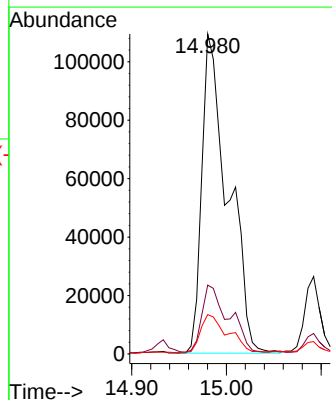
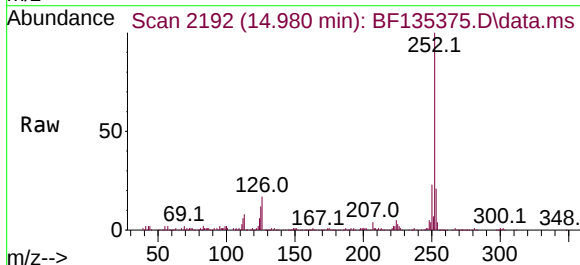
Instrument :
 BNA_F
 ClientSampleId :
 B103-08

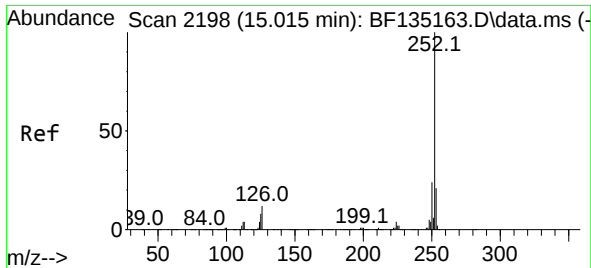
Tgt Ion:276 Resp: 47582
 Ion Ratio Lower Upper
 276 100
 138 24.7 19.2 28.8
 277 23.5 19.7 29.5



#88
 Benzo(b)fluoranthene
 Concen: 14.240 ng
 RT: 14.980 min Scan# 2192
 Delta R.T. -0.006 min
 Lab File: BF135375.D
 Acq: 21 Sep 2023 12:27

Tgt Ion:252 Resp: 208935
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.2 25.8
 125 12.3 7.1 10.7#

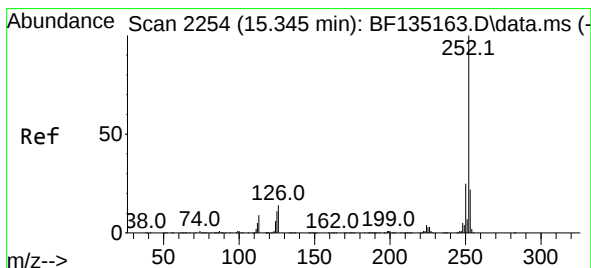
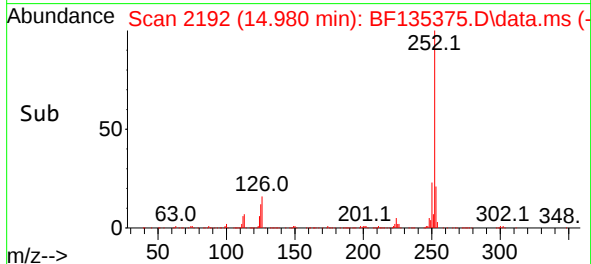
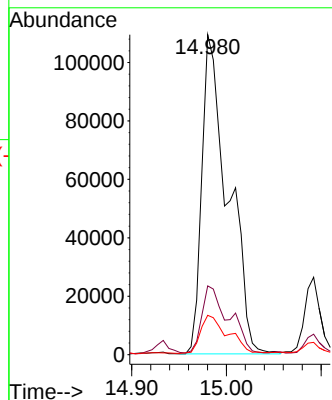
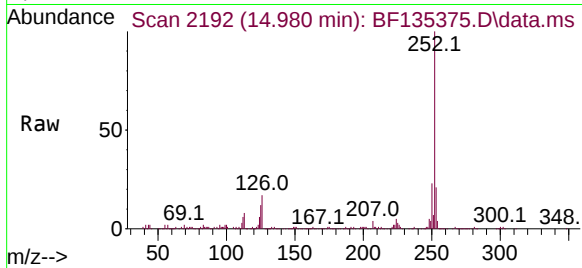




#89
Benzo(k)fluoranthene
Concen: 14.416 ng
RT: 14.980 min Scan# 2198
Delta R.T. -0.035 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

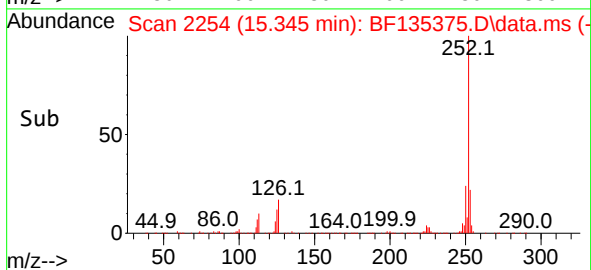
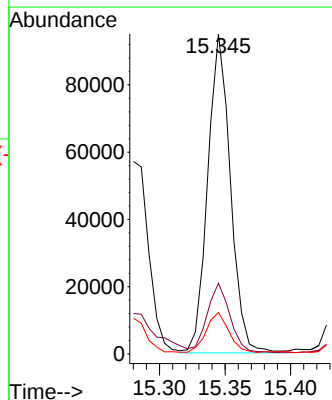
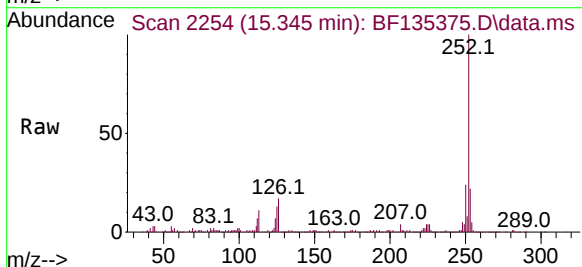
Instrument :
BNA_F
ClientSampleId :
B103-08

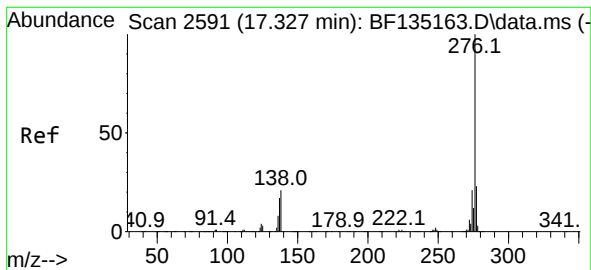
Tgt Ion:252 Resp: 208935
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.0
125 12.3 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 8.153 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135375.D
Acq: 21 Sep 2023 12:27

Tgt Ion:252 Resp: 114075
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 13.0 9.2 13.8





#92

Benzo(g,h,i)perylene

Concen: 2.690 ng

RT: 17.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135375.D

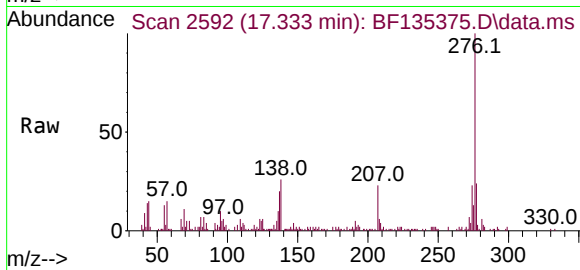
Acq: 21 Sep 2023 12:27

Instrument :

BNA_F

ClientSampleId :

B103-08



Tgt Ion:276 Resp: 40847

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 25.7 16.9 25.3#

