

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110921\
 Data File : BF126094.D
 Acq On : 9 Nov 2021 22:03
 Operator : JU/CG
 Sample : M4582-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VWE-B10-110621-20-30

Quant Time: Nov 10 10:04:49 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

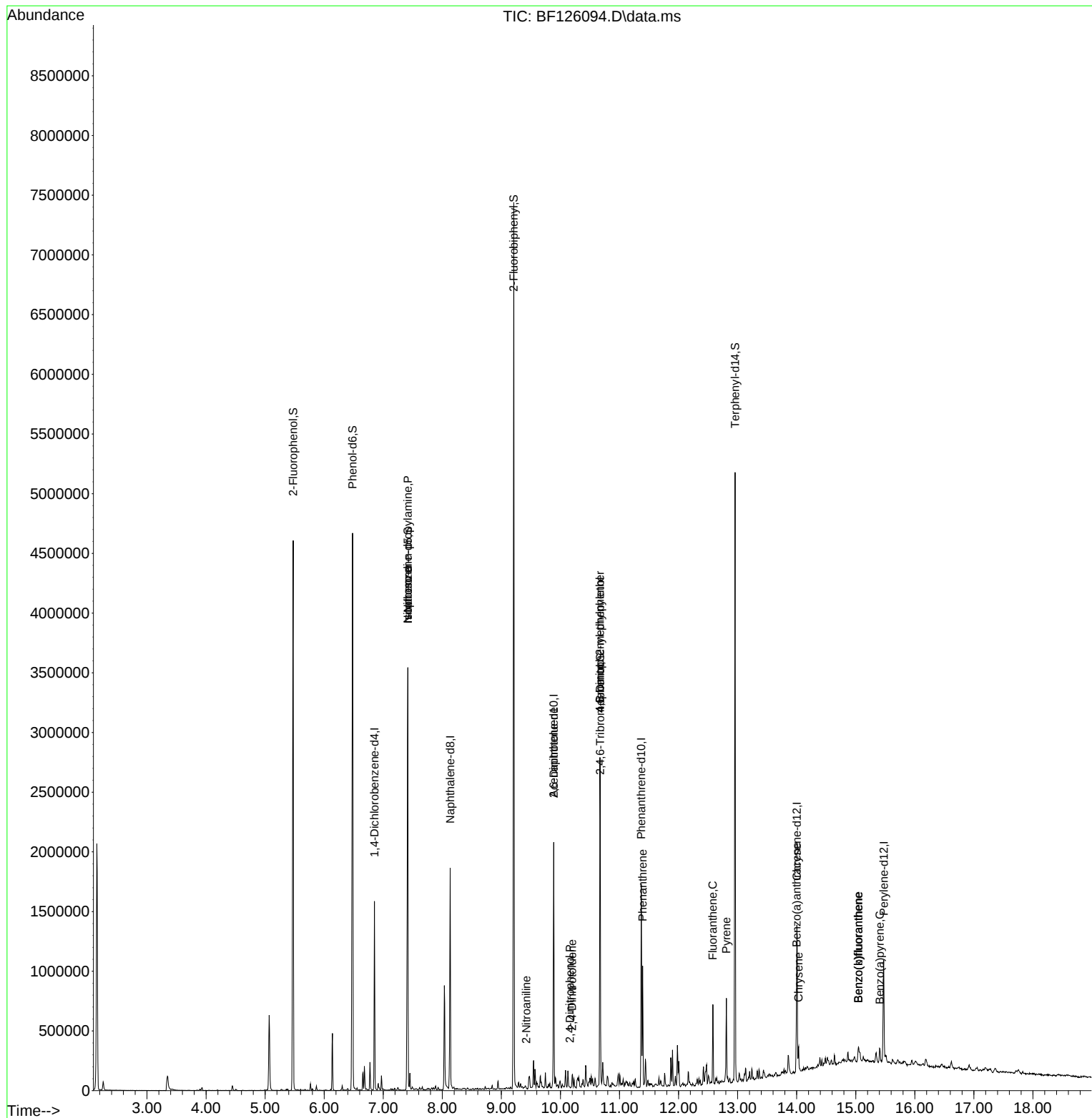
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	189036	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	677969	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	379450	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	572078	20.000	ng	0.00
76) Chrysene-d12	14.004	240	397465	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	386338	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1043509	94.797	ng	0.01
7) Phenol-d6	6.481	99	1491473	96.115	ng	0.00
23) Nitrobenzene-d5	7.416	82	1101163	76.598	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	287366	66.084	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	2019771	71.932	ng	0.00
79) Terphenyl-d14	12.957	244	1518686	61.614	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	1748	Below Cal	#	82
19) n-Nitroso-di-n-propyla...	7.416	70	160046	15.645	ng	# 59
25) Isophorone	7.416	82	1093695	42.256	ng	# 59
48) 2-Nitroaniline	9.422	65	252	2.881	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	50761	10.720	ng	# 29
54) 2,4-Dinitrophenol	10.163	184	121	6.785	ng	# 9
57) 2,4-Dinitrotoluene	10.198	165	2306	3.481	ng	# 60
65) 4,6-Dinitro-2-methylph...	10.669	198	694	8.525	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	18764	2.708	ng	# 1
71) Phenanthrene	11.392	178	323837	10.438	ng	96
75) Fluoranthene	12.580	202	228864	6.625	ng	97
78) Pyrene	12.810	202	259294	8.135	ng	96
81) Benzo(a)anthracene	13.998	228	90069	3.299	ng	93
83) Chrysene	14.033	228	86660	3.411	ng	96
88) Benzo(b)fluoranthene	15.045	252	94146	3.746	ng	# 93
89) Benzo(k)fluoranthene	15.045	252	94146	3.862	ng	97
90) Benzo(a)pyrene	15.409	252	58492	2.954	ng	92

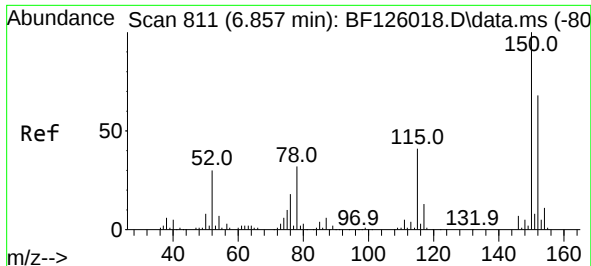
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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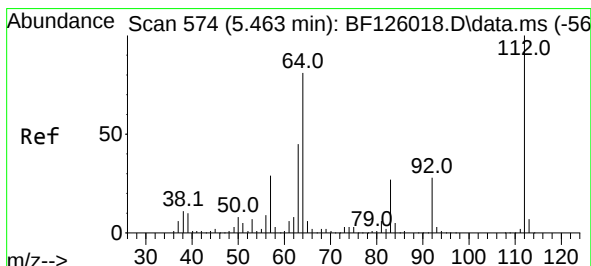
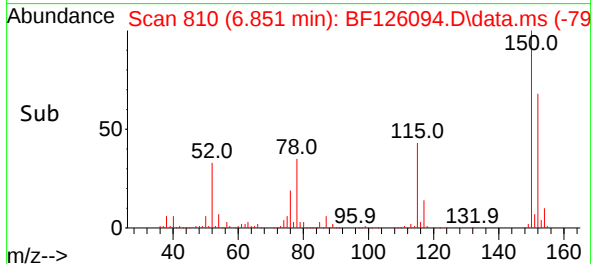
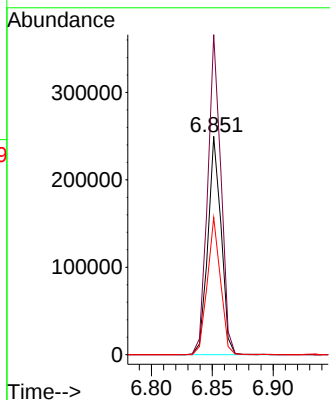
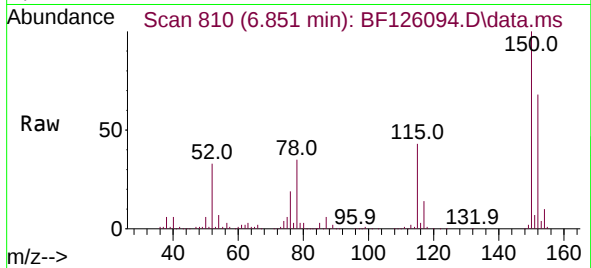




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 811
 Delta R.T. -0.006 min
 Lab File: BF126094.D
 Acq: 9 Nov 2021 22:03

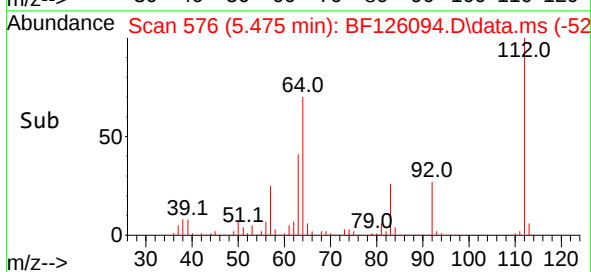
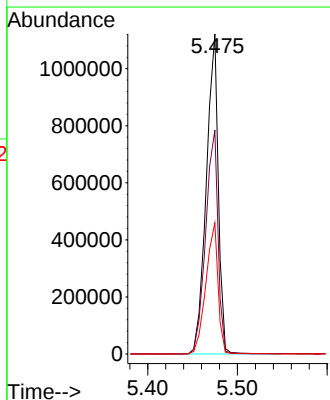
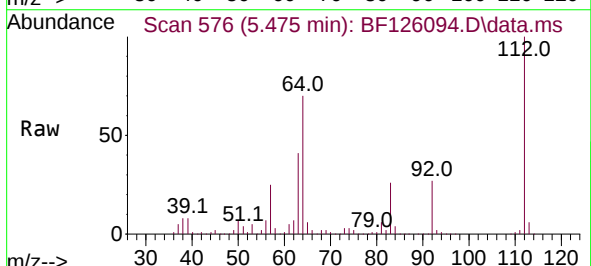
Instrument :
 BNA_F
 ClientSampleId :
 VWE-B10-110621-20-30

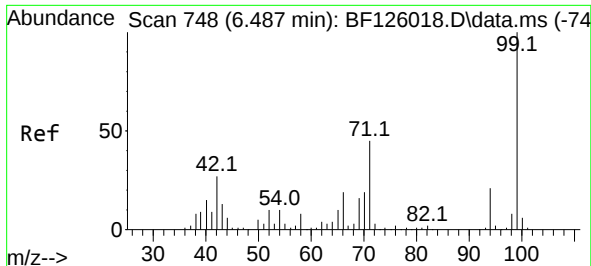
Tgt Ion:152 Resp: 189036
 Ion Ratio Lower Upper
 152 100
 150 146.7 117.6 176.4
 115 62.8 47.1 70.7



#5
 2-Fluorophenol
 Concen: 94.797 ng
 RT: 5.475 min Scan# 576
 Delta R.T. 0.012 min
 Lab File: BF126094.D
 Acq: 9 Nov 2021 22:03

Tgt Ion:112 Resp: 1043509
 Ion Ratio Lower Upper
 112 100
 64 69.9 44.2 66.2#
 63 41.0 26.2 39.2#





#7

Phenol-d6

Concen: 96.115 ng

RT: 6.481 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF126094.D

Acq: 9 Nov 2021 22:03

Instrument :

BNA_F

ClientSampleId :

VWE-B10-110621-20-30

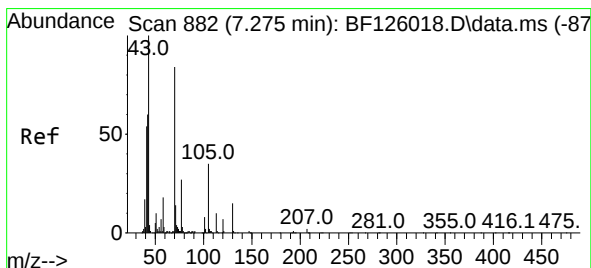
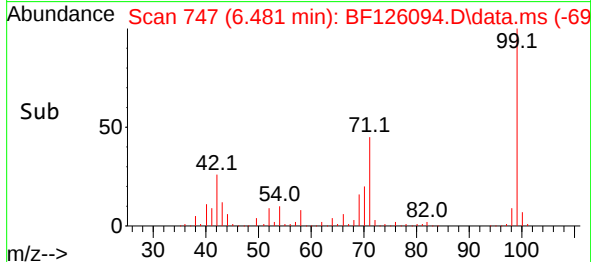
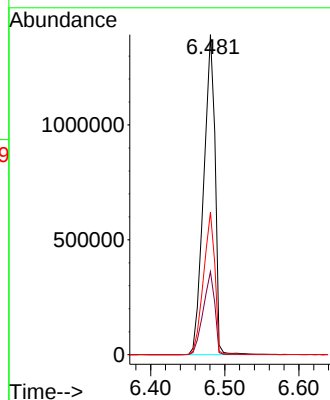
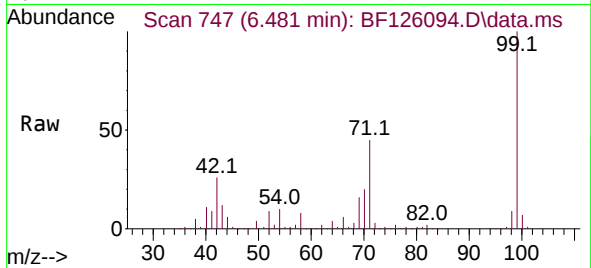
Tgt Ion: 99 Resp: 1491473

Ion Ratio Lower Upper

99 100

42 26.0 23.5 35.3

71 44.5 25.6 38.4#



#19

n-Nitroso-di-n-propylamine

Concen: 15.645 ng

RT: 7.416 min Scan# 906

Delta R.T. 0.141 min

Lab File: BF126094.D

Acq: 9 Nov 2021 22:03

Tgt Ion: 70 Resp: 160046

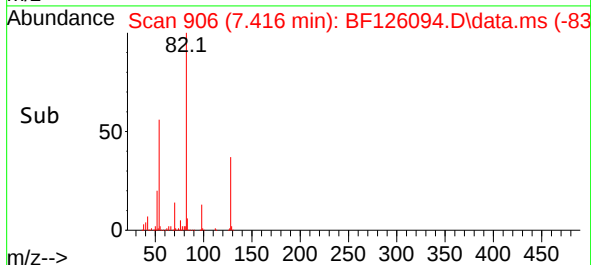
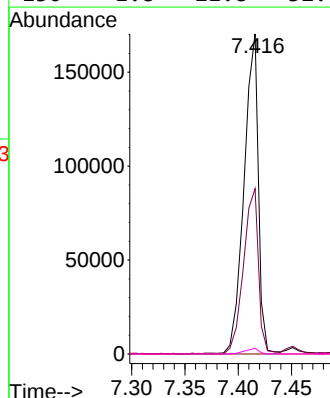
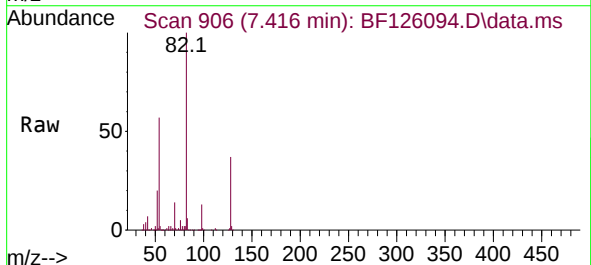
Ion Ratio Lower Upper

70 100

42 51.7 72.2 108.2#

101 0.0 7.8 11.8#

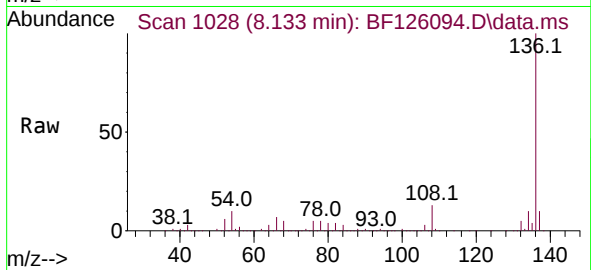
130 1.8 21.8 32.6#



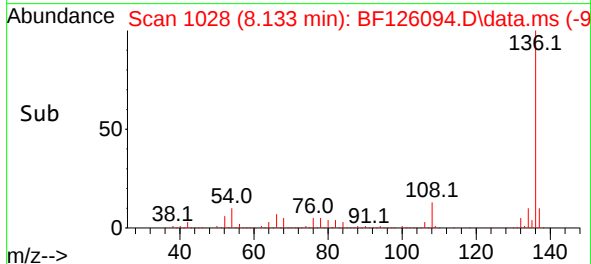
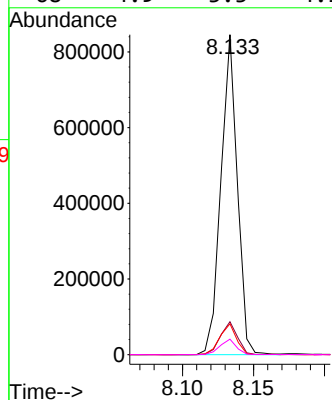


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-20-30

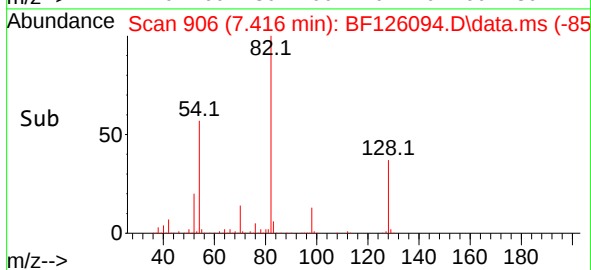
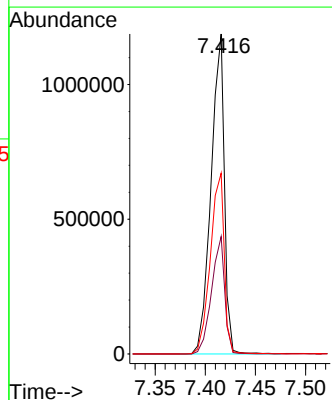
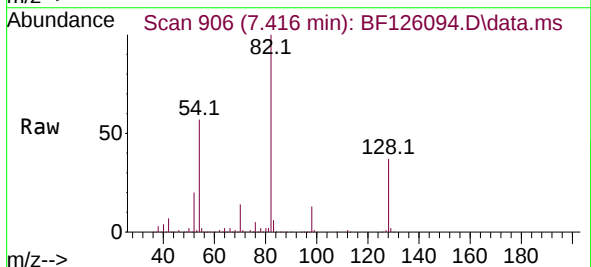


Tgt Ion:136 Resp: 677969
Ion Ratio Lower Upper
136 100
137 10.3 9.8 14.6
54 9.7 6.4 9.6#
68 4.9 3.3 4.9



#23
Nitrobenzene-d5
Concen: 76.598 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Tgt Ion: 82 Resp: 1101163
Ion Ratio Lower Upper
82 100
128 36.7 40.6 60.8#
54 56.5 49.6 74.4

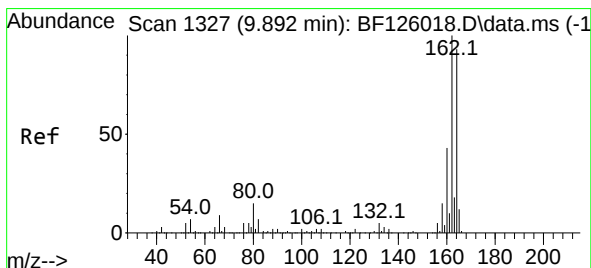
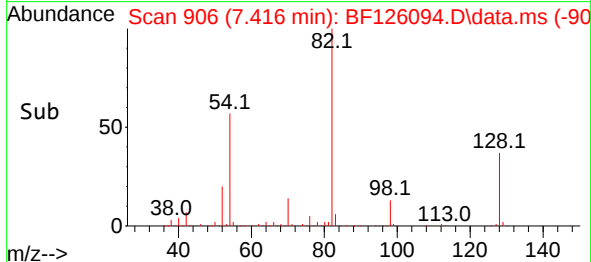
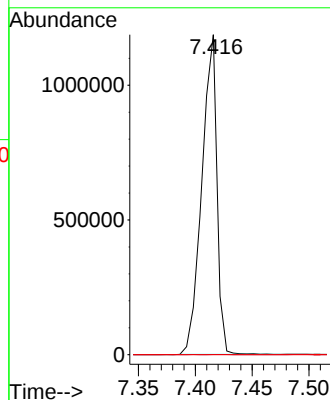
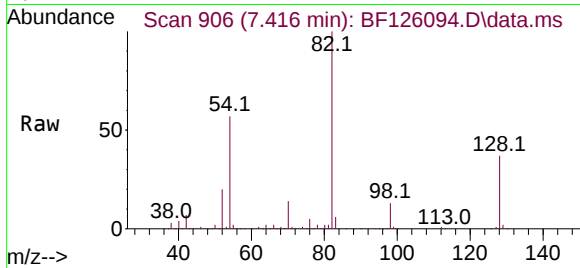




#25
Isophorone
Concen: 42.256 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

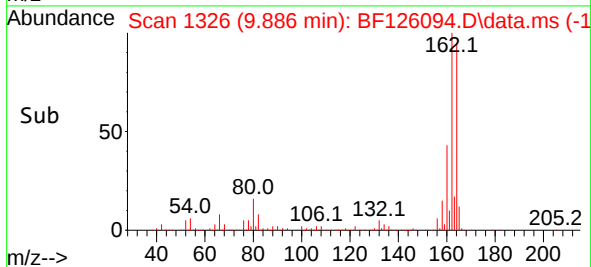
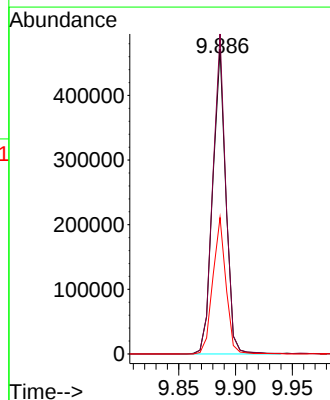
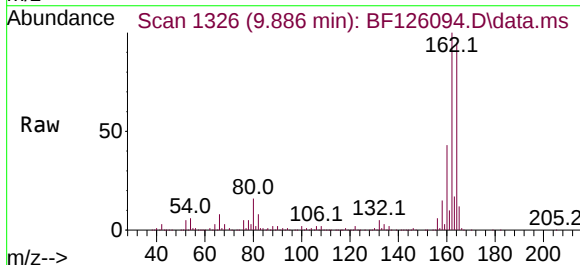
Instrument :
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ClientSampleId :
VWE-B10-110621-20-30

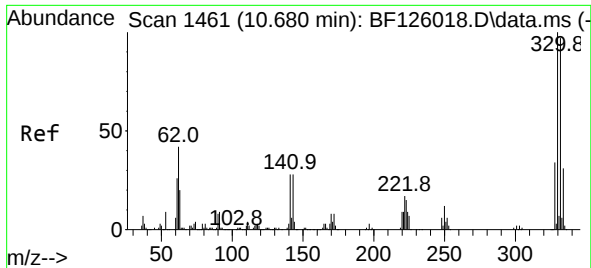
Tgt Ion: 82 Resp: 1093695
Ion Ratio Lower Upper
82 100
95 0.1 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Tgt Ion:164 Resp: 379450
Ion Ratio Lower Upper
164 100
162 104.9 81.3 121.9
160 44.8 38.0 57.0

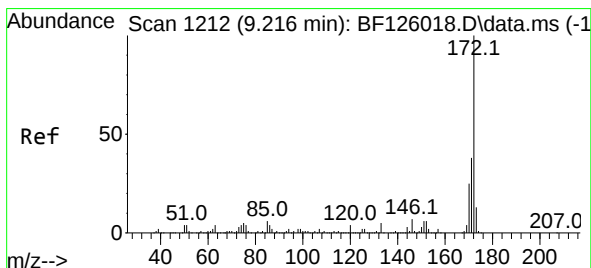
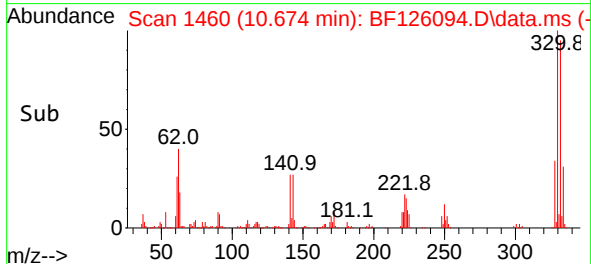
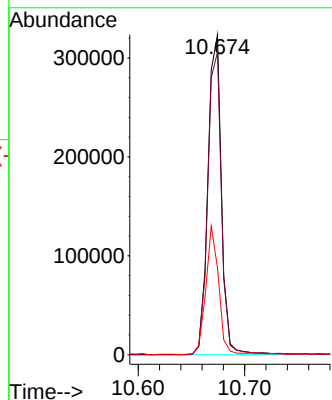
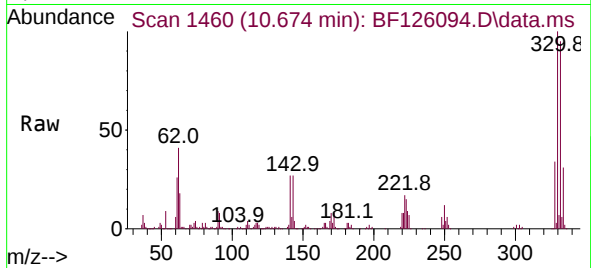




#42
2,4,6-Tribromophenol
Concen: 66.084 ng
RT: 10.674 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

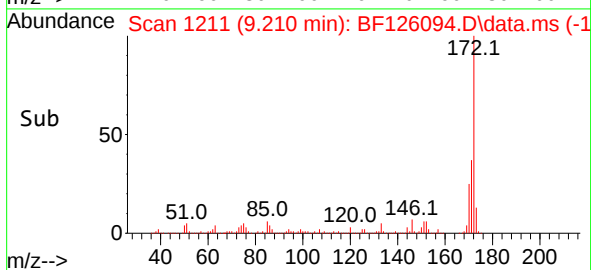
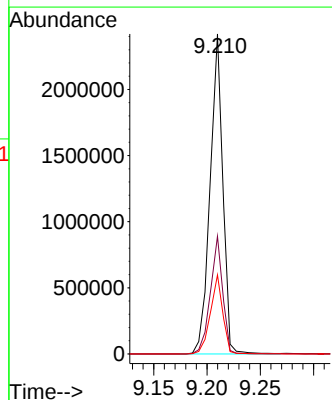
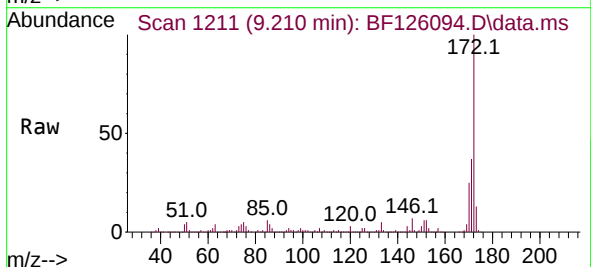
Instrument :
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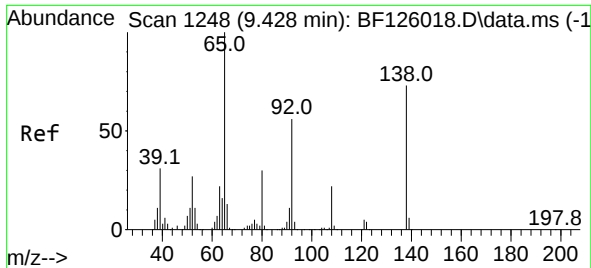
Tgt Ion: 330 Resp: 287366
Ion Ratio Lower Upper
330 100
332 95.7 76.2 114.4
141 37.8 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 71.932 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Tgt Ion: 172 Resp: 2019771
Ion Ratio Lower Upper
172 100
171 36.8 26.5 39.7
170 24.7 18.8 28.2

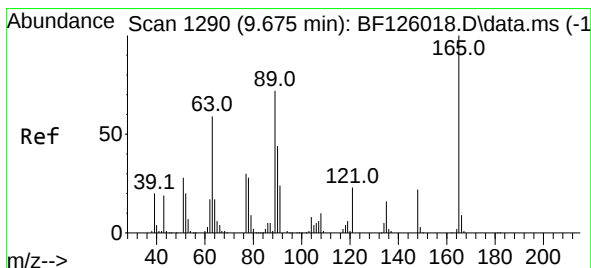
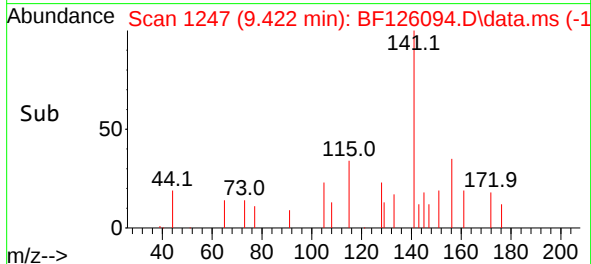
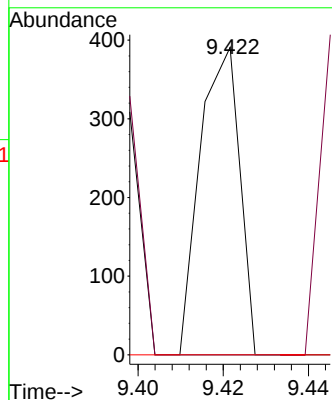
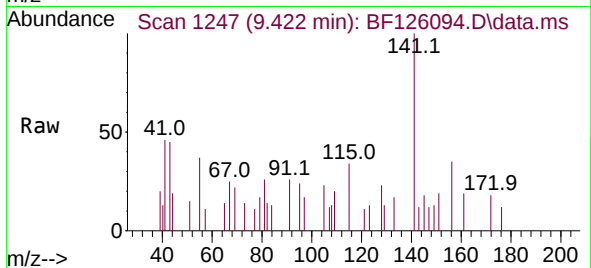




#48
2-Nitroaniline
Concen: 2.881 ng
RT: 9.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

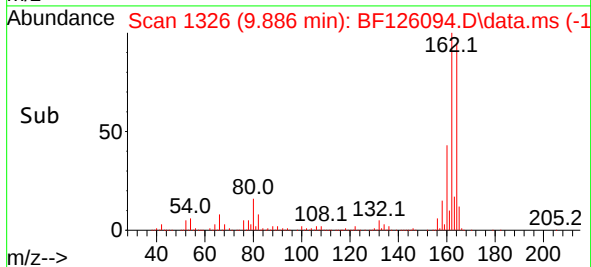
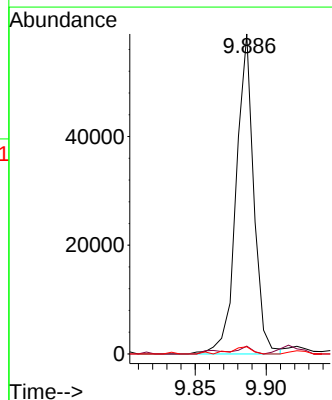
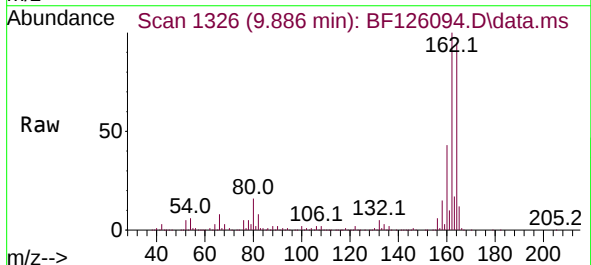
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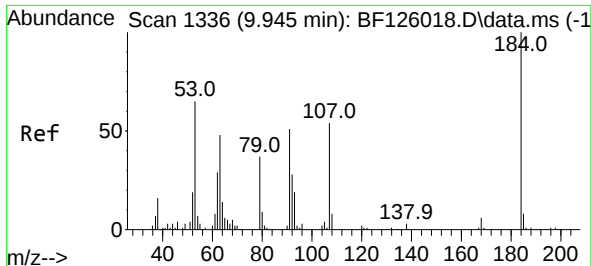
Tgt Ion: 65 Resp: 252
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 10.720 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.211 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Tgt Ion: 165 Resp: 50761
Ion Ratio Lower Upper
165 100
63 2.4 42.6 63.8#
89 2.2 40.6 60.8#

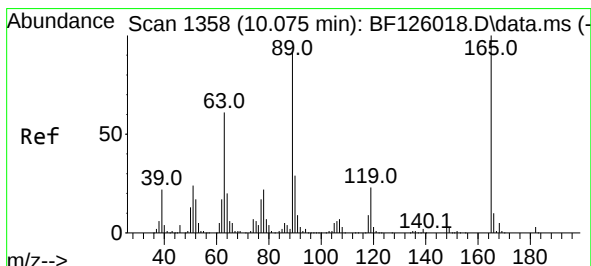
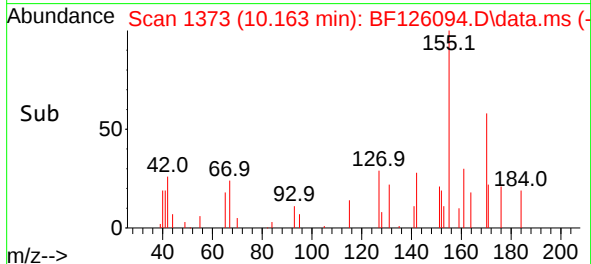
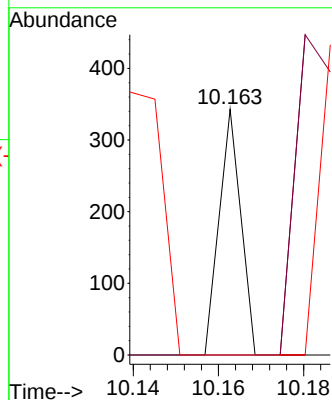
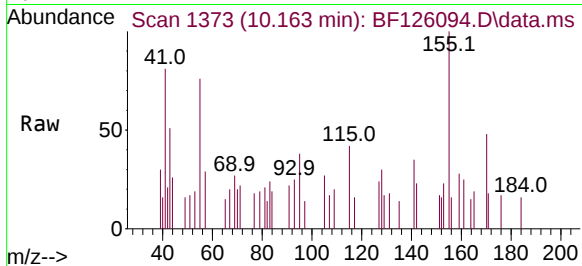




#54
2,4-Dinitrophenol
Concen: 6.785 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.218 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

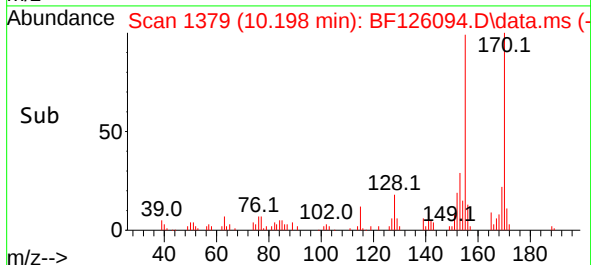
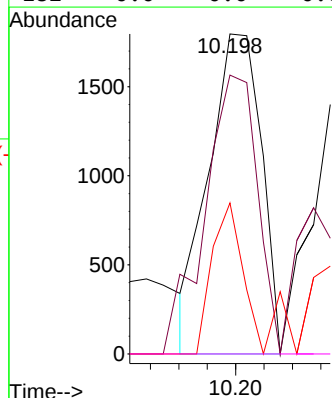
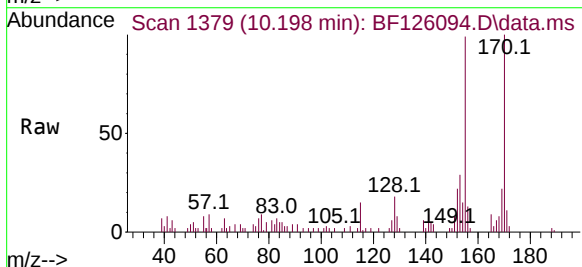
Instrument :
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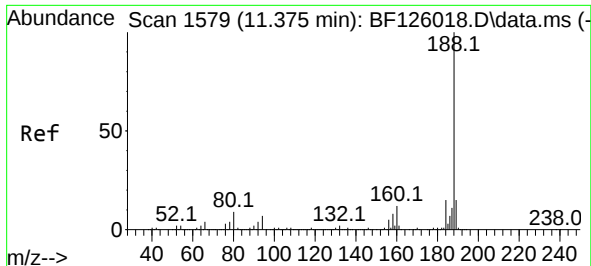
Tgt Ion:184 Resp: 121
Ion Ratio Lower Upper
184 100
63 0.0 59.3 88.9#
154 0.0 68.6 102.8#



#57
2,4-Dinitrotoluene
Concen: 3.481 ng
RT: 10.198 min Scan# 1379
Delta R.T. 0.123 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Tgt Ion:165 Resp: 2306
Ion Ratio Lower Upper
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89 47.2 59.7 89.5#
182 0.0 0.0 0.0

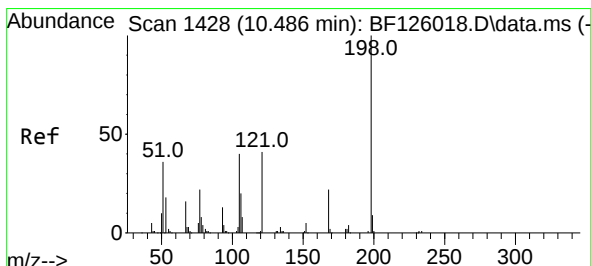
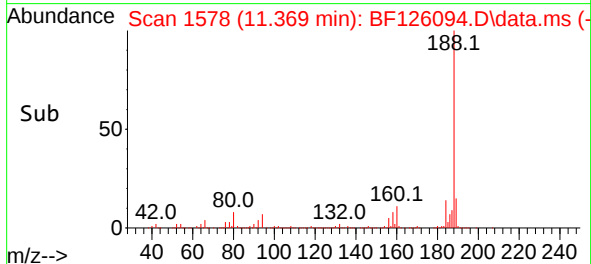
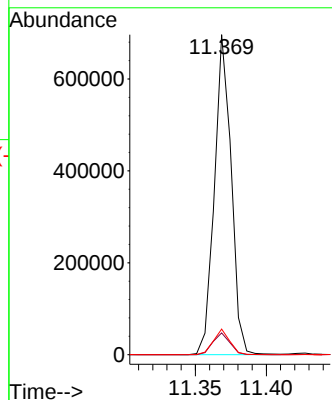
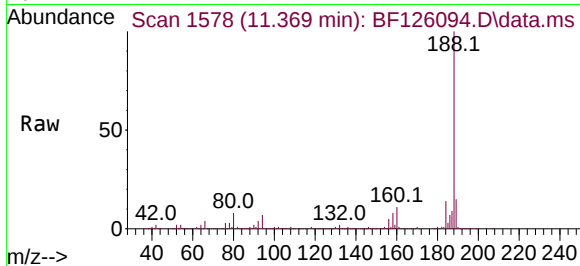




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

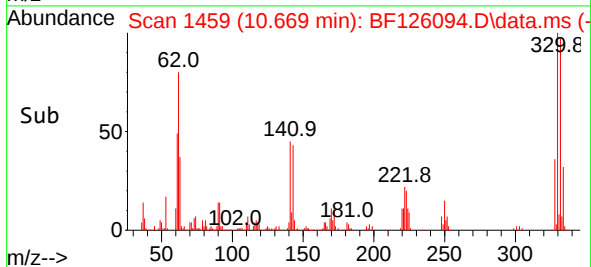
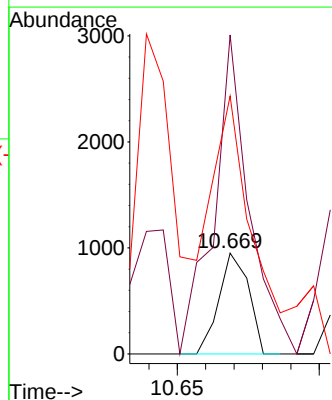
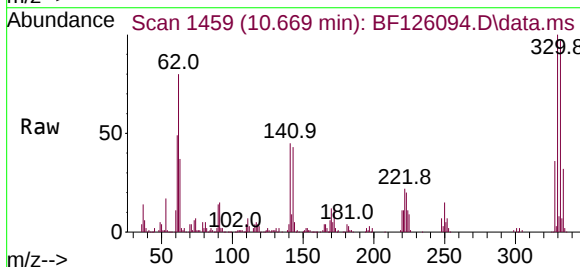
Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-20-30

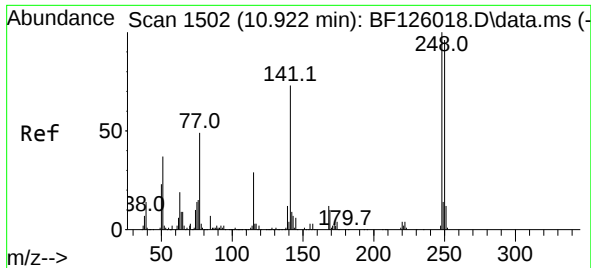
Tgt Ion:188 Resp: 572078
Ion Ratio Lower Upper
188 100
94 6.8 6.7 10.1
80 8.0 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 8.525 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.183 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Tgt Ion:198 Resp: 694
Ion Ratio Lower Upper
198 100
51 316.4 45.3 85.3#
105 255.7 30.6 70.6#

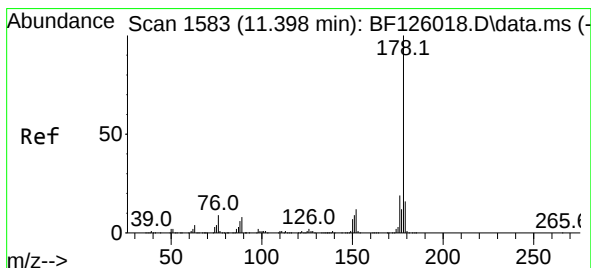
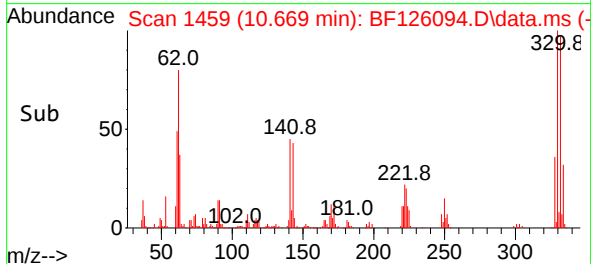
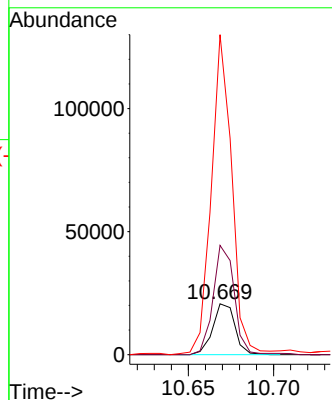
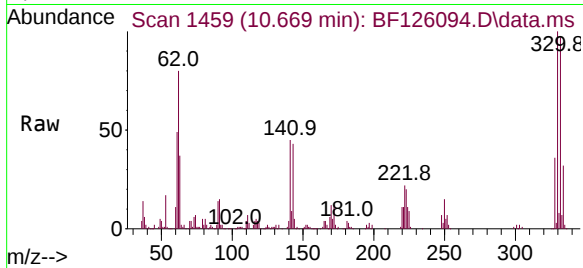




#67
4-Bromophenyl-phenylether
Concen: 2.708 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.253 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

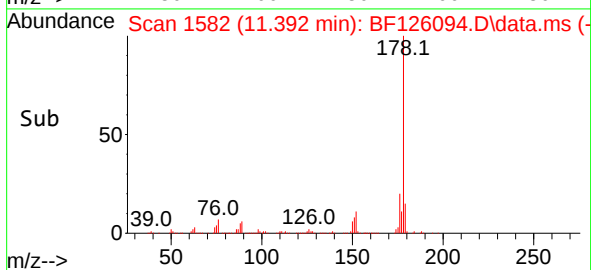
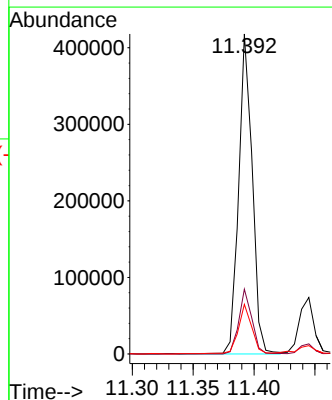
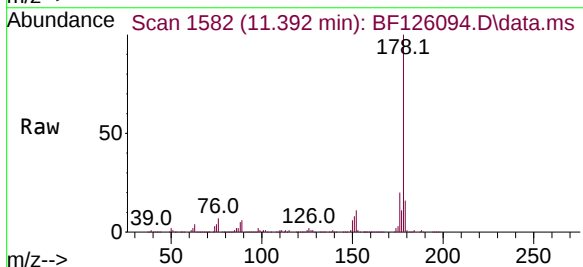
Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-20-30

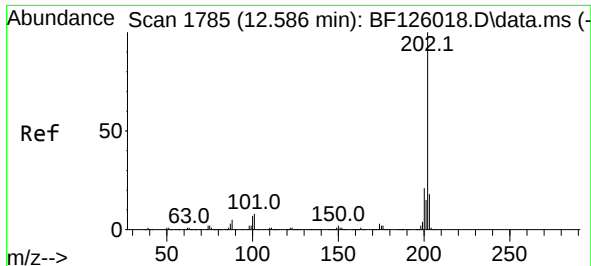
Tgt Ion:248 Resp: 18764
Ion Ratio Lower Upper
248 100
250 214.7 74.2 111.4#
141 628.2 60.4 90.6#



#71
Phenanthrene
Concen: 10.438 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Tgt Ion:178 Resp: 323837
Ion Ratio Lower Upper
178 100
176 20.2 14.7 22.1
179 15.5 11.5 17.3

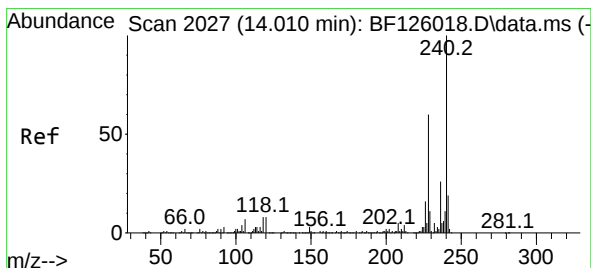
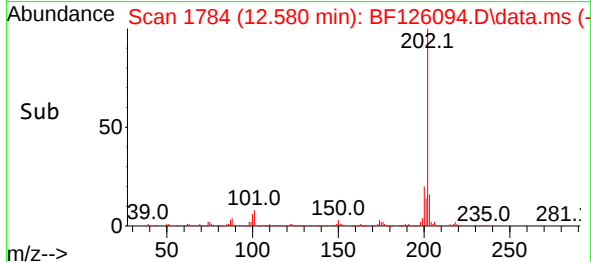
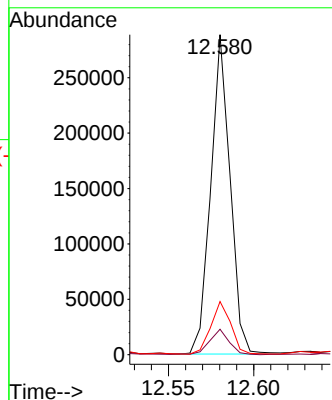
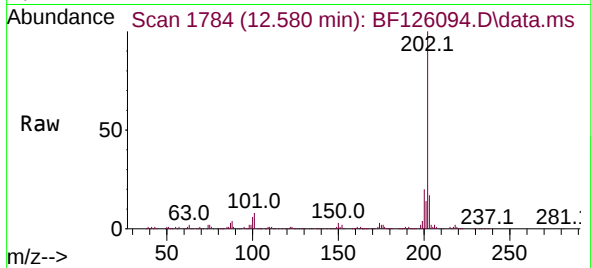




#75
Fluoranthene
Concen: 6.625 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

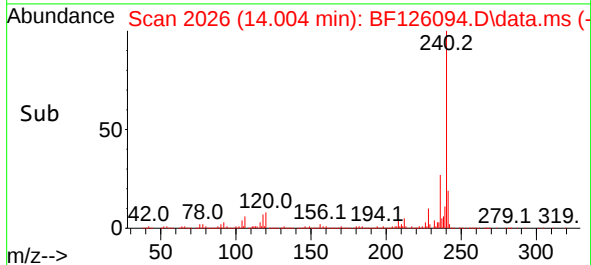
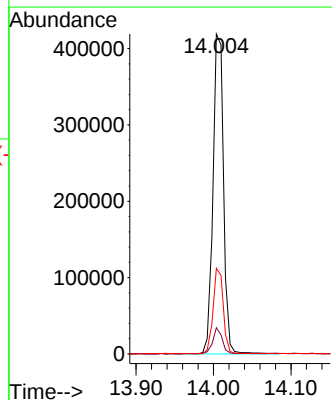
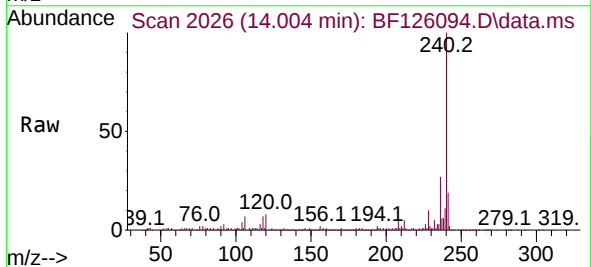
Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-20-30

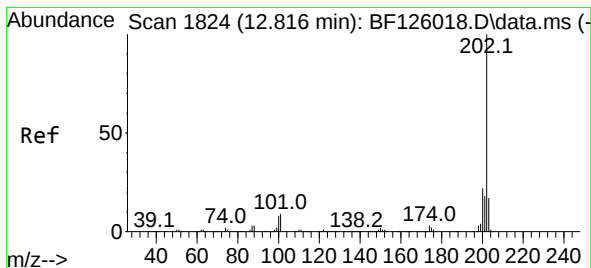
Tgt Ion:202 Resp: 228864
Ion Ratio Lower Upper
202 100
101 8.0 0.0 30.7
203 16.6 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Tgt Ion:240 Resp: 397465
Ion Ratio Lower Upper
240 100
120 8.2 10.8 16.2#
236 26.7 21.6 32.4





#78

Pyrene

Concen: 8.135 ng

RT: 12.810 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF126094.D

Acq: 9 Nov 2021 22:03

Instrument :

BNA_F

ClientSampleId :

VWE-B10-110621-20-30

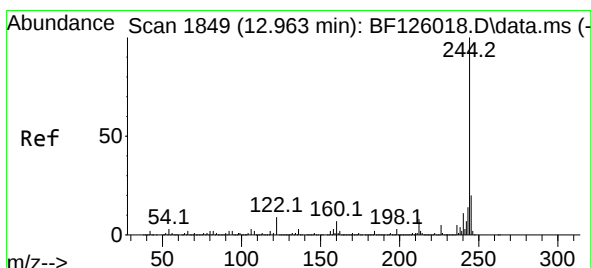
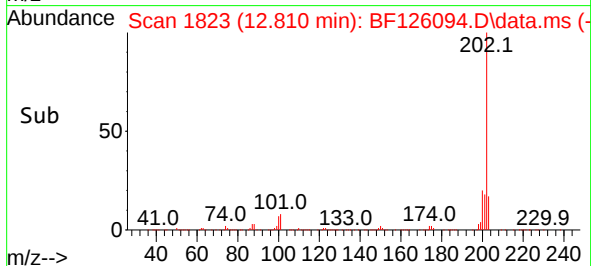
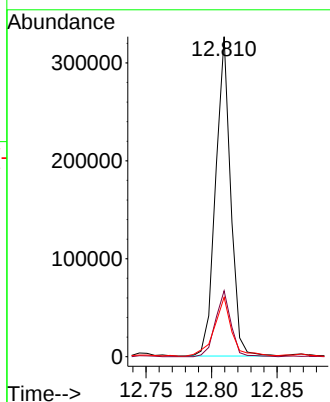
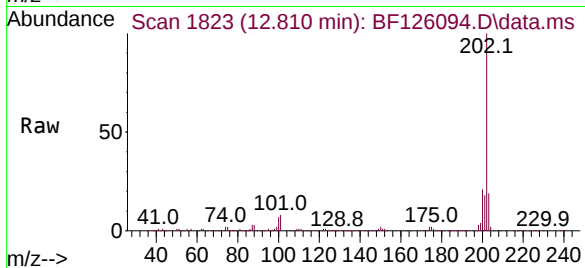
Tgt Ion:202 Resp: 259294

Ion Ratio Lower Upper

202 100

200 20.6 15.3 22.9

203 18.6 13.4 20.0



#79

Terphenyl-d14

Concen: 61.614 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF126094.D

Acq: 9 Nov 2021 22:03

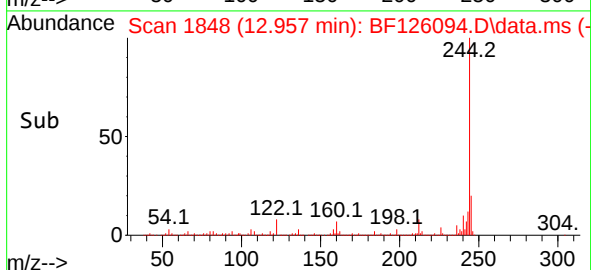
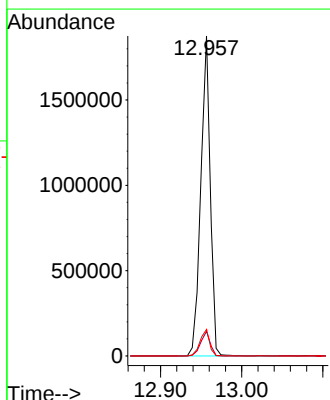
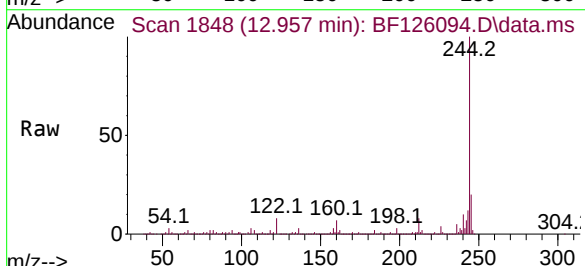
Tgt Ion:244 Resp: 1518686

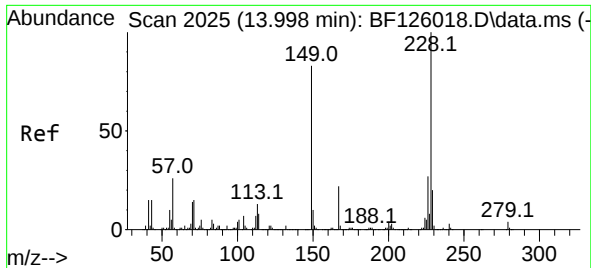
Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

122 8.3 9.0 13.4#

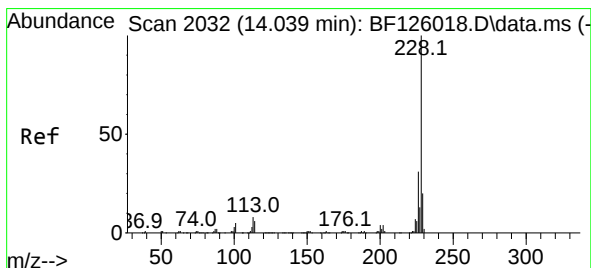
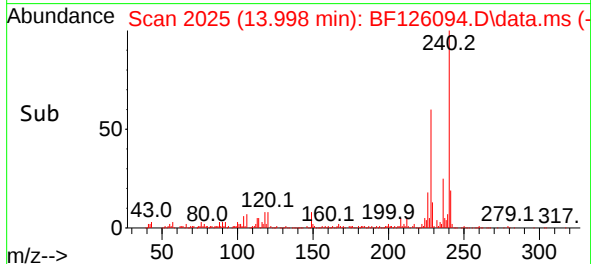
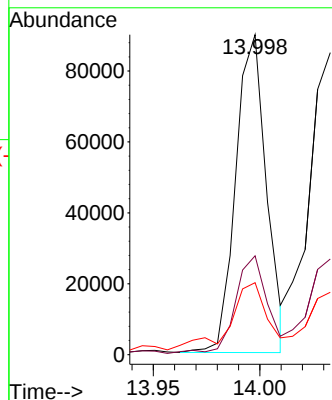
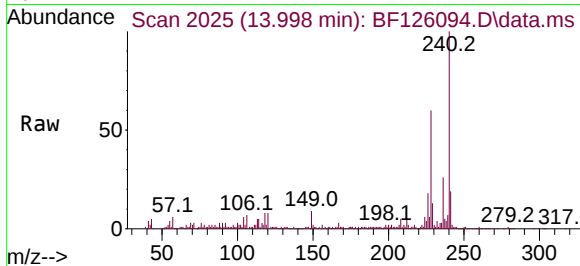




#81
Benzo(a)anthracene
Concen: 3.299 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

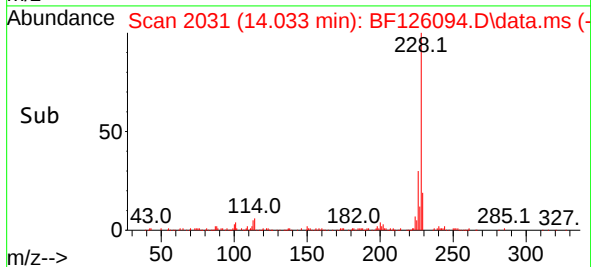
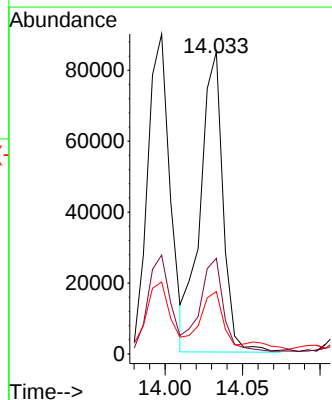
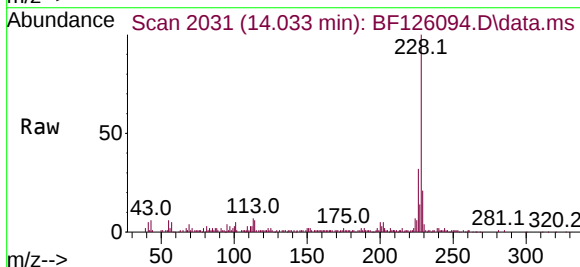
Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-20-30

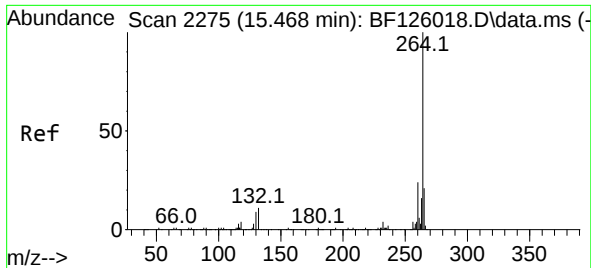
Tgt Ion:228 Resp: 90069
Ion Ratio Lower Upper
228 100
226 30.9 21.6 32.4
229 22.5 15.6 23.4



#83
Chrysene
Concen: 3.411 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Tgt Ion:228 Resp: 86660
Ion Ratio Lower Upper
228 100
226 31.7 22.6 34.0
229 20.6 15.9 23.9

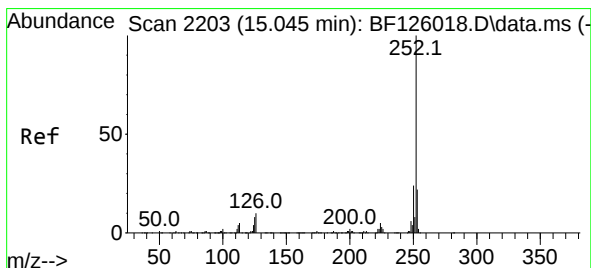
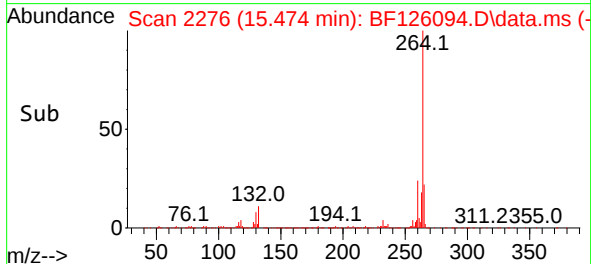
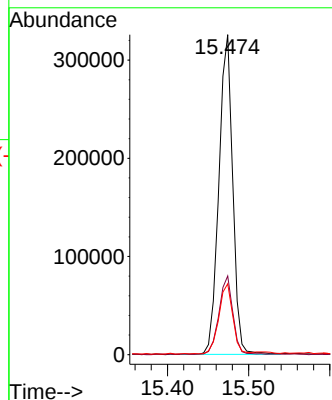
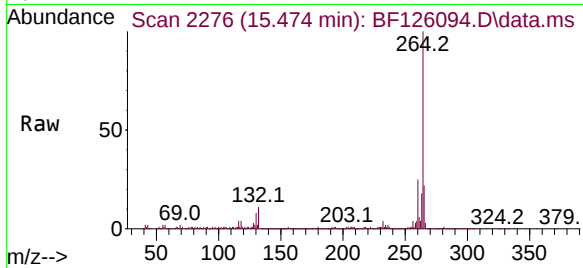




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF126094.D
 Acq: 9 Nov 2021 22:03

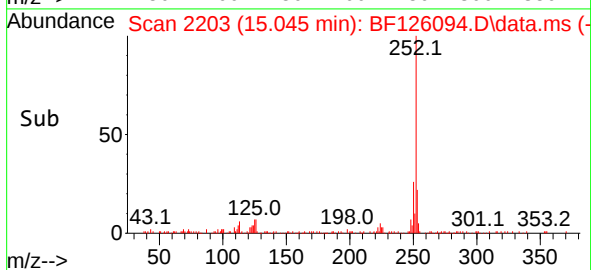
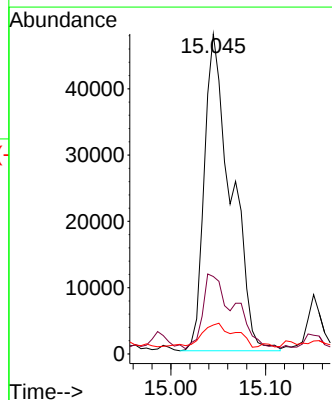
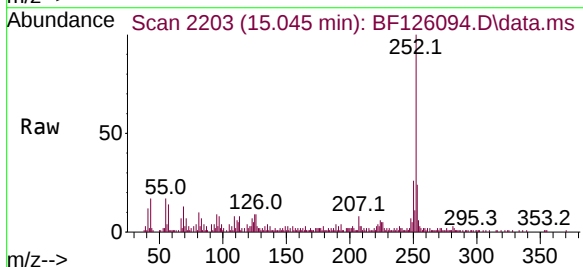
Instrument :
 BNA_F
 ClientSampleId :
 VWE-B10-110621-20-30

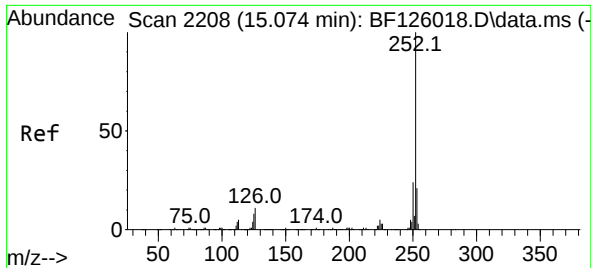
Tgt Ion:264 Resp: 386338
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.6 29.4
 265 22.2 17.2 25.8



#88
 Benzo(b)fluoranthene
 Concen: 3.746 ng
 RT: 15.045 min Scan# 2203
 Delta R.T. -0.000 min
 Lab File: BF126094.D
 Acq: 9 Nov 2021 22:03

Tgt Ion:252 Resp: 94146
 Ion Ratio Lower Upper
 252 100
 253 24.2 16.8 25.2
 125 9.1 9.8 14.8#

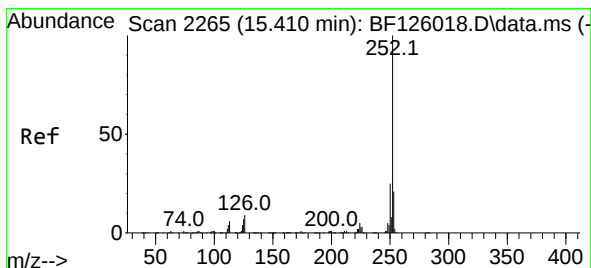
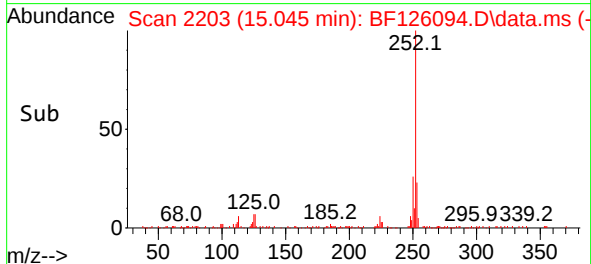
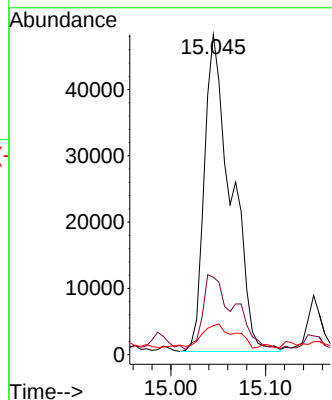
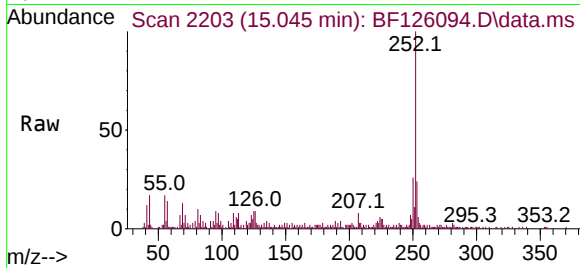




#89
Benzo(k)fluoranthene
Concen: 3.862 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-20-30

Tgt Ion:252 Resp: 94146
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 9.1 7.2 10.8



#90
Benzo(a)pyrene
Concen: 2.954 ng
RT: 15.409 min Scan# 2265
Delta R.T. -0.001 min
Lab File: BF126094.D
Acq: 9 Nov 2021 22:03

Tgt Ion:252 Resp: 58492
Ion Ratio Lower Upper
252 100
253 27.5 18.4 27.6
125 10.4 9.9 14.9

