

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126112.D
 Acq On : 10 Nov 2021 17:42
 Operator : JU/CG
 Sample : M4523-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VWE-B4-110421-20-30

Quant Time: Nov 11 09:30:41 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)

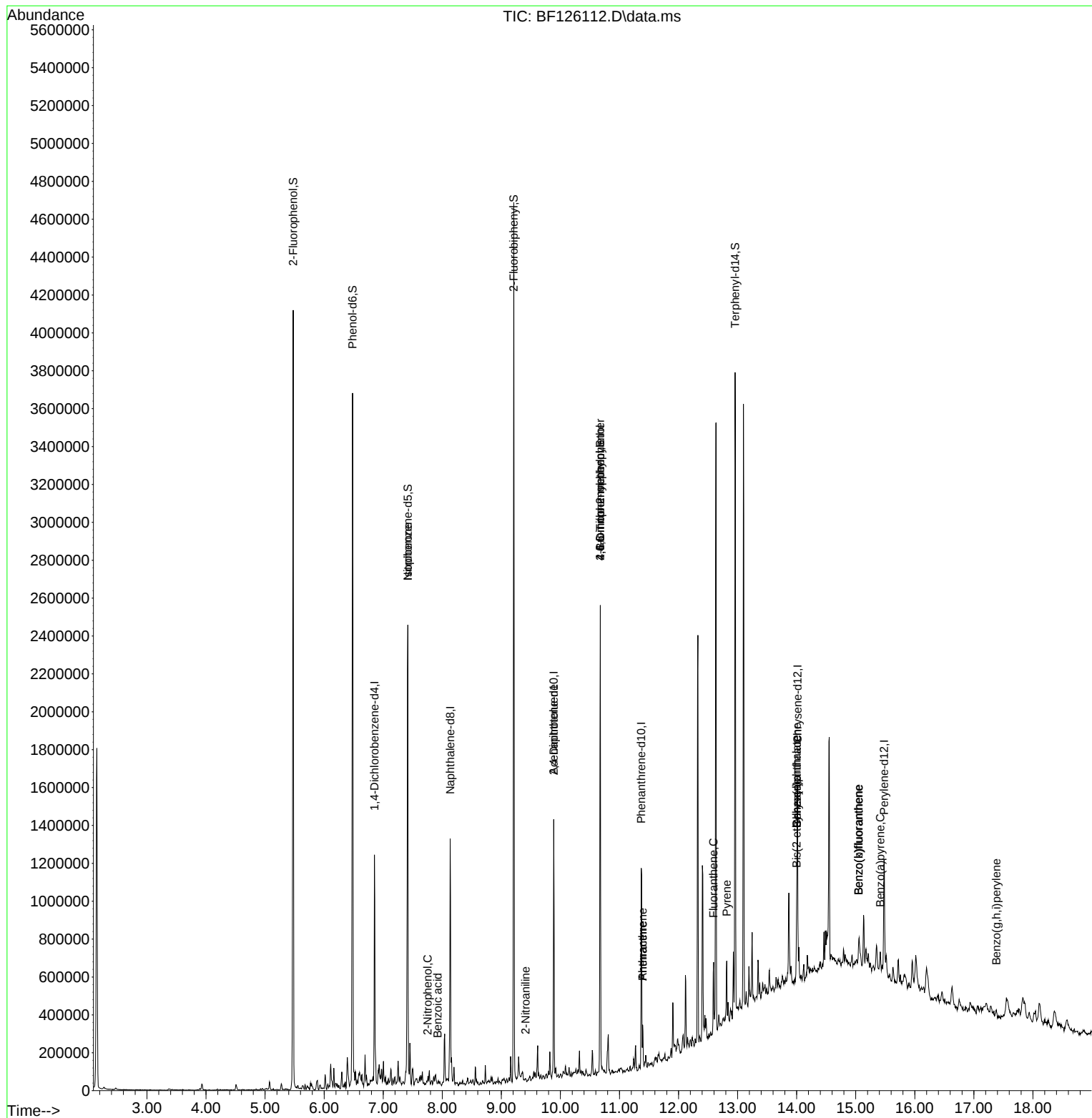
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	150928	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	494821	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	243456	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	395786	20.000	ng	0.00
76) Chrysene-d12	14.016	240	344890	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	285451	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	876117	99.686	ng	0.01
7) Phenol-d6	6.481	99	1080116	87.181	ng	0.00
23) Nitrobenzene-d5	7.416	82	767157	73.116	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	246977	88.522	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1239198	68.785	ng	0.00
79) Terphenyl-d14	12.957	244	1097491	51.314	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	8567	Below Cal		89
25) Isophorone	7.416	82	759405	40.200 ng	#	59
26) 2-Nitrophenol	7.751	139	116	4.657 ng	#	1
32) Benzoic acid	7.922	122	621	9.260 ng	#	22
48) 2-Nitroaniline	9.410	65	963	3.036 ng	#	1
57) 2,4-Dinitrotoluene	9.886	165	32931	10.193 ng	#	20
65) 4,6-Dinitro-2-methylph...	10.675	198	618	8.585 ng	#	1
67) 4-Bromophenyl-phenylether	10.675	248	16566	3.456 ng	#	1
71) Phenanthrene	11.392	178	77578	3.614 ng		99
72) Anthracene	11.392	178	77578	3.620 ng		99
75) Fluoranthene	12.592	202	144941	6.064 ng		94
78) Pyrene	12.816	202	136931	4.951 ng		98
81) Benzo(a)anthracene	14.004	228	70738	2.986 ng		95
83) Chrysene	14.004	228	70738	3.209 ng		97
84) Bis(2-ethylhexyl)phtha...	13.998	149	38920	2.787 ng	#	96
88) Benzo(b)fluoranthene	15.051	252	101090	5.445 ng		95
89) Benzo(k)fluoranthene	15.051	252	101090	5.613 ng	#	93
90) Benzo(a)pyrene	15.415	252	50893	3.479 ng		97
92) Benzo(g,h,i)perylene	17.380	276	30131	2.264 ng	#	88

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

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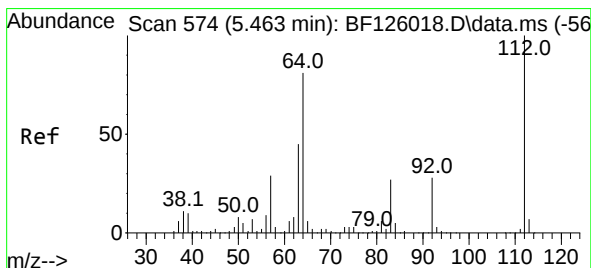
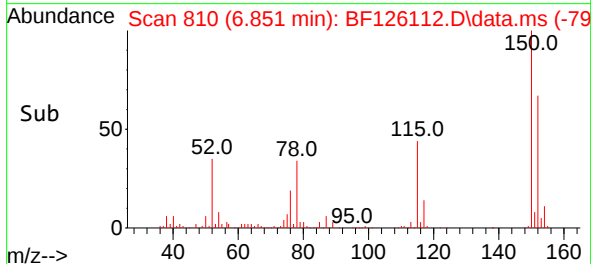
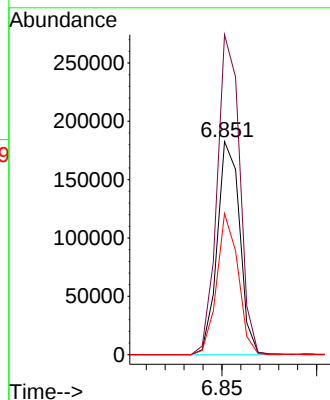
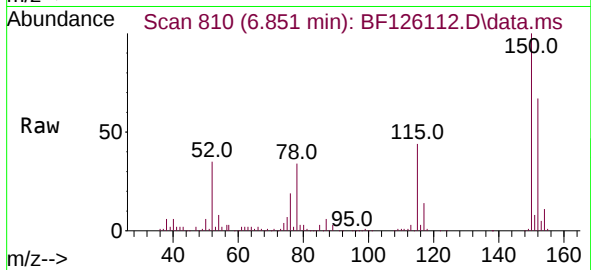




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

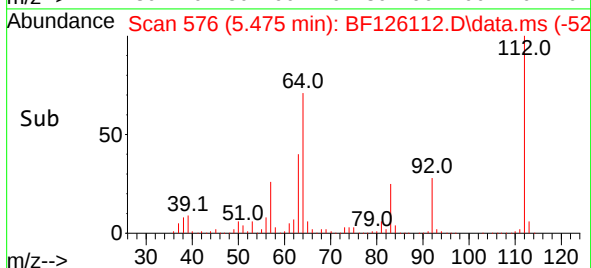
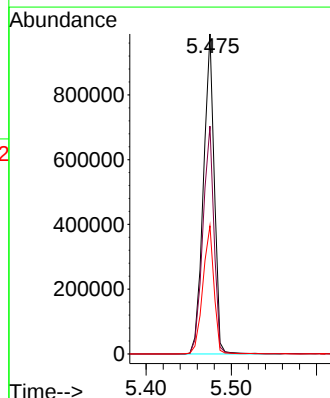
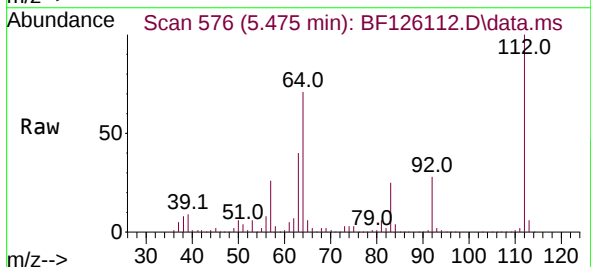
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

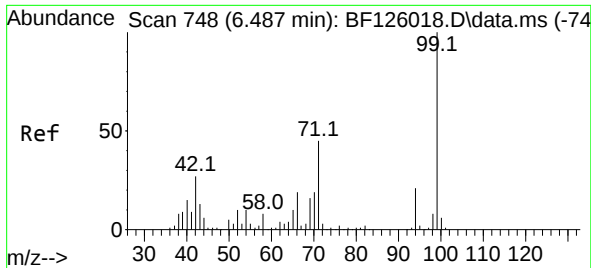
Tgt Ion:152 Resp: 150928
Ion Ratio Lower Upper
152 100
150 150.1 117.6 176.4
115 66.2 47.1 70.7



#5
2-Fluorophenol
Concen: 99.686 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

Tgt Ion:112 Resp: 876117
Ion Ratio Lower Upper
112 100
64 71.2 44.2 66.2#
63 40.1 26.2 39.2#

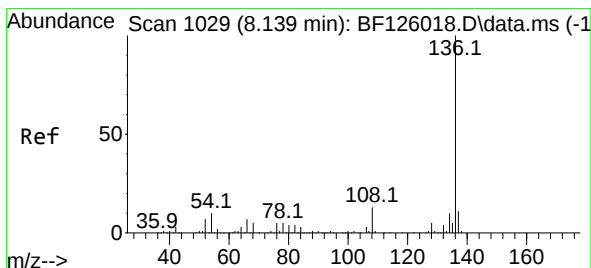
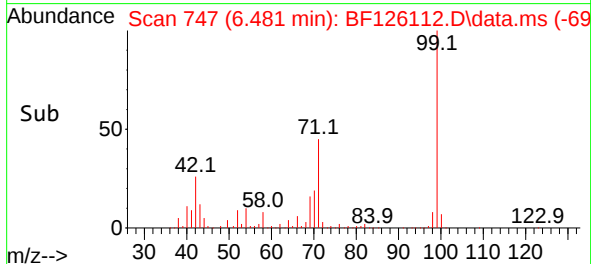
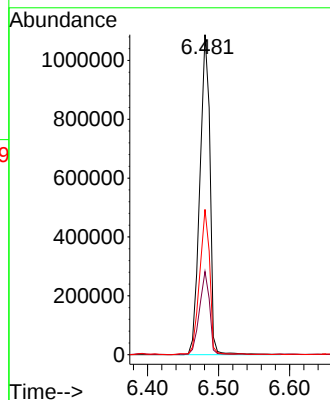
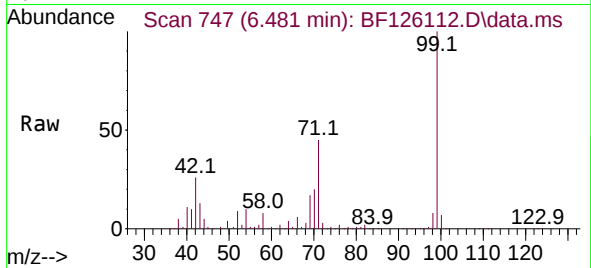




#7
Phenol-d6
Concen: 87.181 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

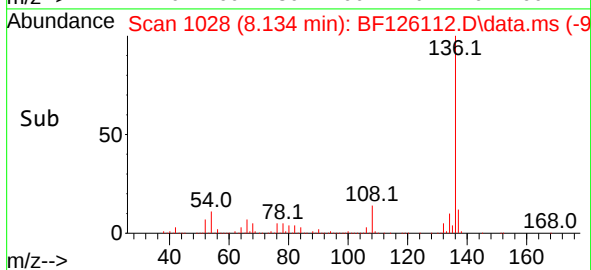
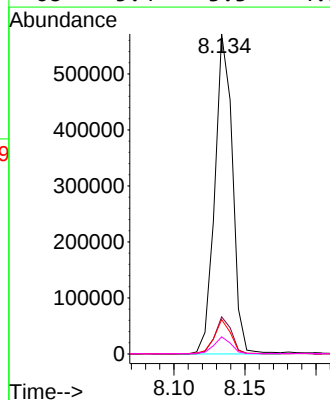
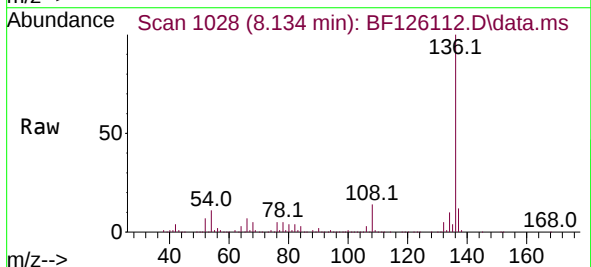
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

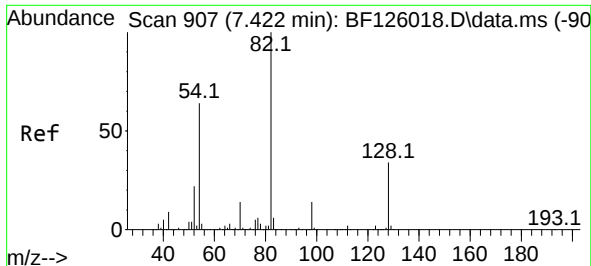
Tgt Ion: 99 Resp: 1080116
Ion Ratio Lower Upper
99 100
42 26.0 23.5 35.3
71 45.4 25.6 38.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

Tgt Ion:136 Resp: 494821
Ion Ratio Lower Upper
136 100
137 11.6 9.8 14.6
54 10.7 6.4 9.6#
68 5.4 3.3 4.9#

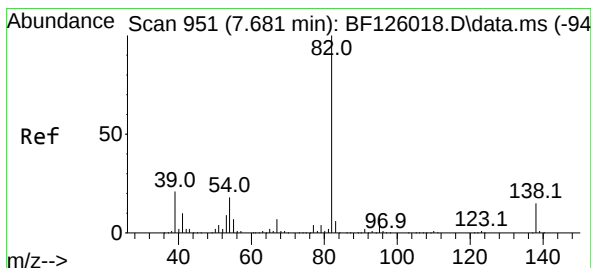
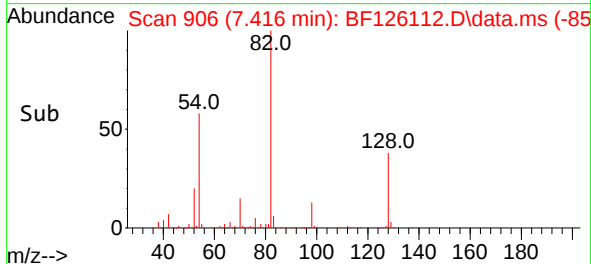
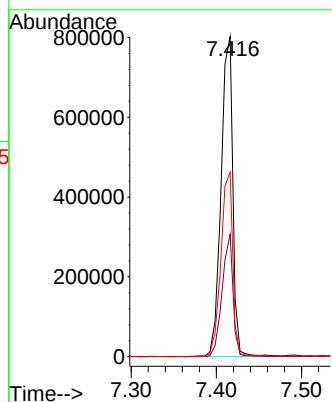
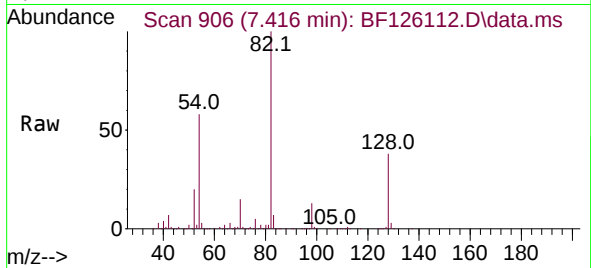




#23
Nitrobenzene-d5
Concen: 73.116 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

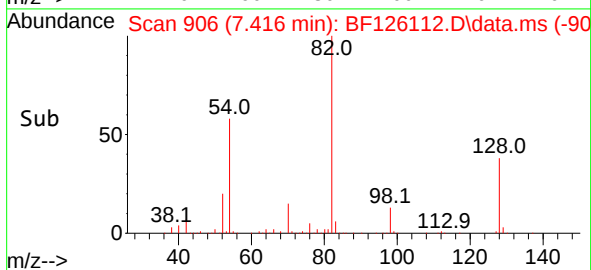
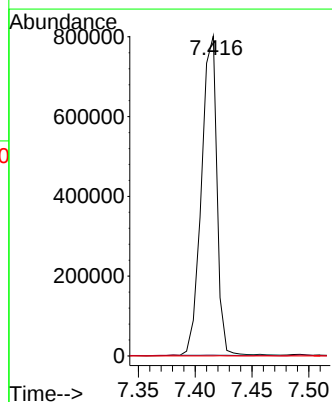
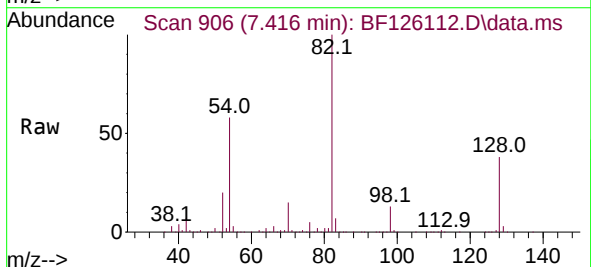
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

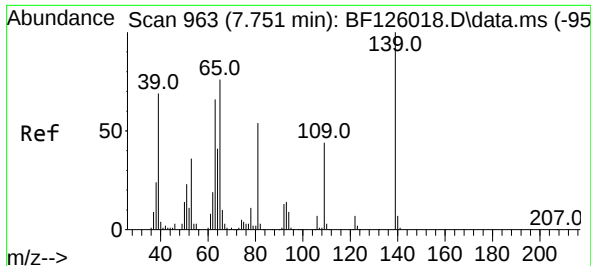
Tgt Ion: 82 Resp: 767157
Ion Ratio Lower Upper
82 100
128 38.2 40.6 60.8#
54 57.6 49.6 74.4



#25
Isophorone
Concen: 40.200 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.265 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

Tgt Ion: 82 Resp: 759405
Ion Ratio Lower Upper
82 100
95 0.3 6.5 9.7#
138 0.0 18.4 27.6#

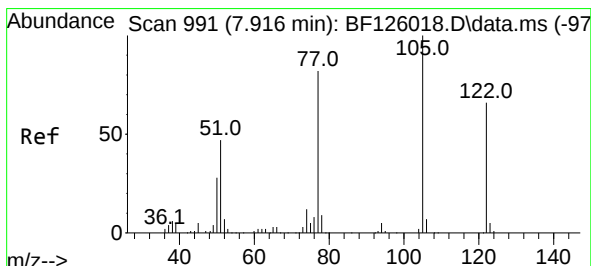
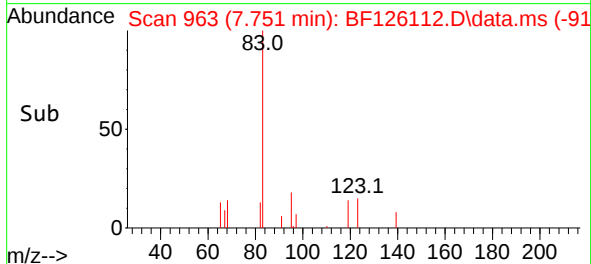
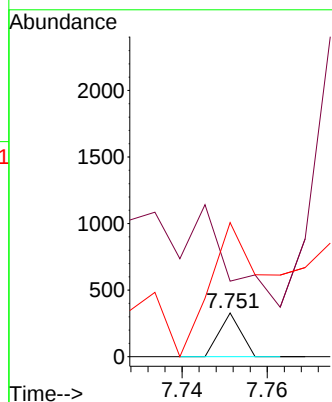
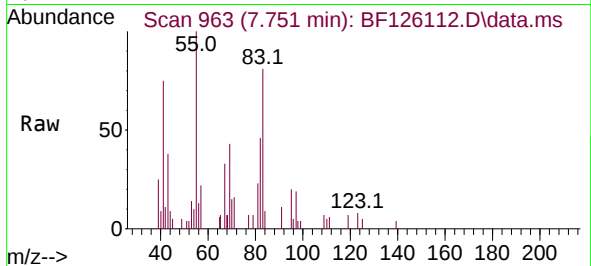




#26
2-Nitrophenol
Concen: 4.657 ng
RT: 7.751 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

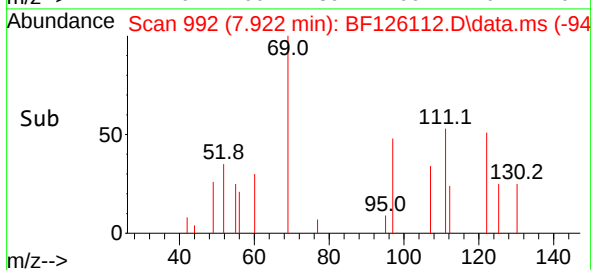
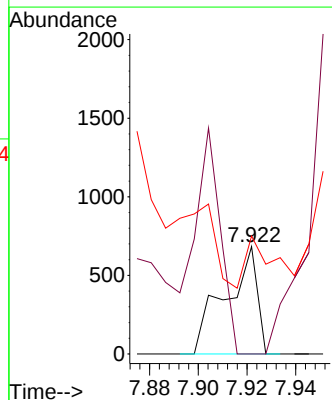
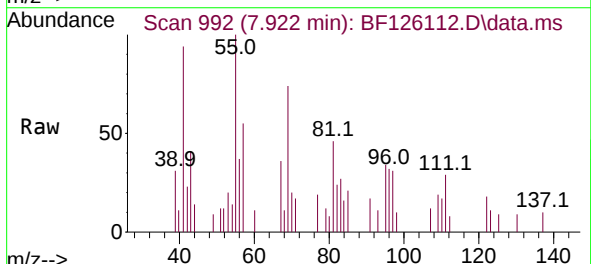
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

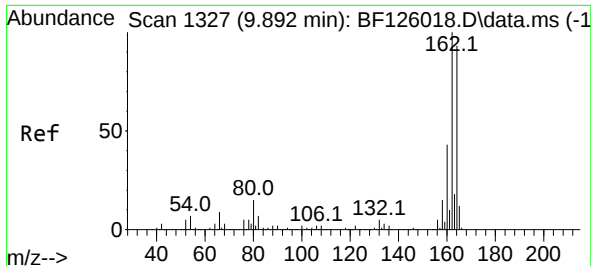
Tgt Ion:139 Resp: 116
Ion Ratio Lower Upper
139 100
109 172.9 26.0 39.0#
65 307.0 31.0 46.4#



#32
Benzoic acid
Concen: 9.260 ng
RT: 7.922 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

Tgt Ion:122 Resp: 621
Ion Ratio Lower Upper
122 100
105 0.0 97.6 137.6#
77 109.8 59.6 99.6#

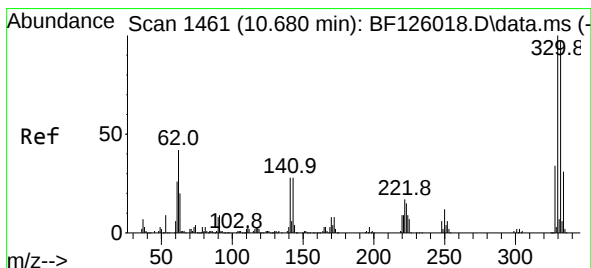
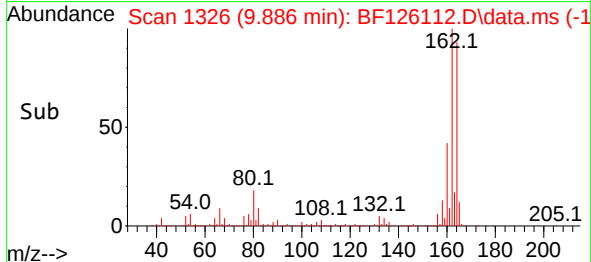
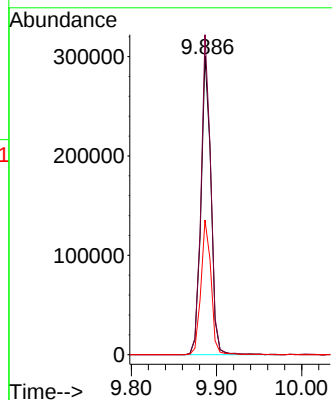
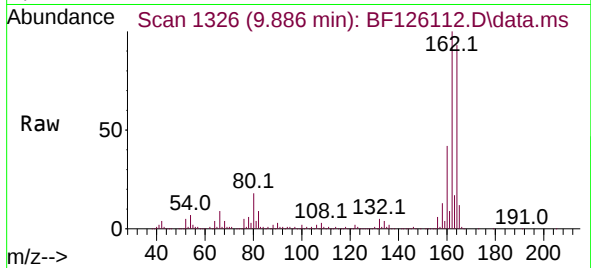




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

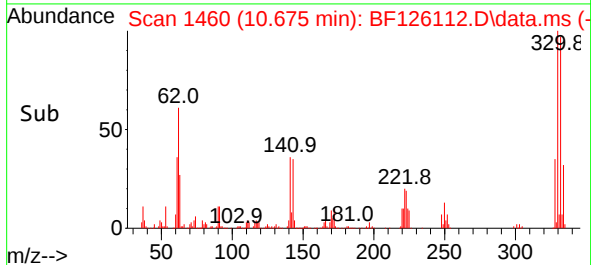
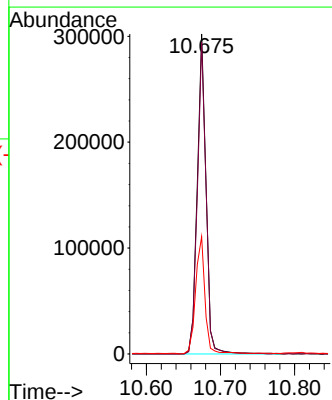
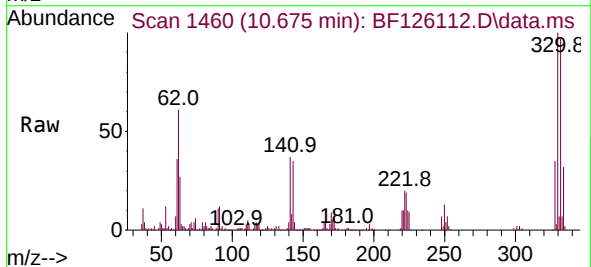
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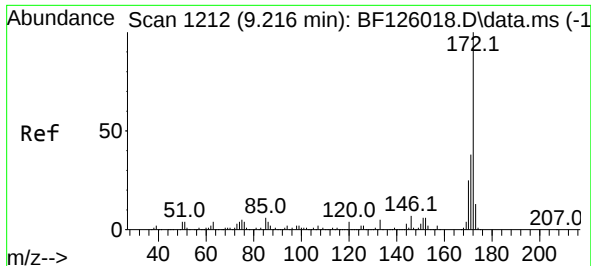
Tgt Ion:164 Resp: 243456
Ion Ratio Lower Upper
164 100
162 107.0 81.3 121.9
160 45.1 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 88.522 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

Tgt Ion:330 Resp: 246977
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 39.5 44.6 66.8#

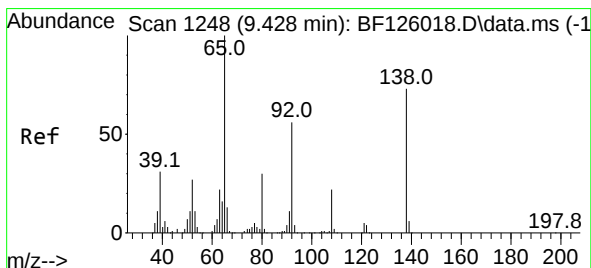
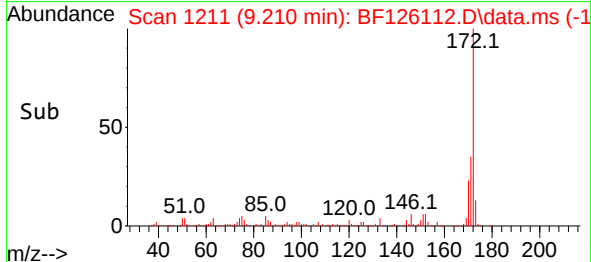
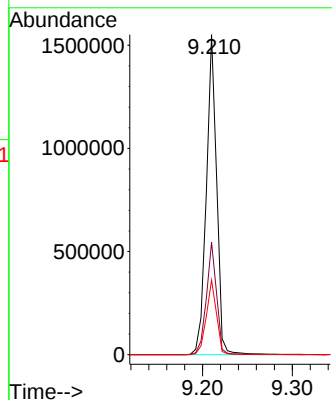
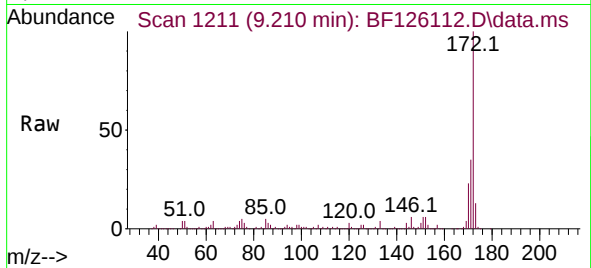




#45
2-Fluorobiphenyl
Concen: 68.785 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

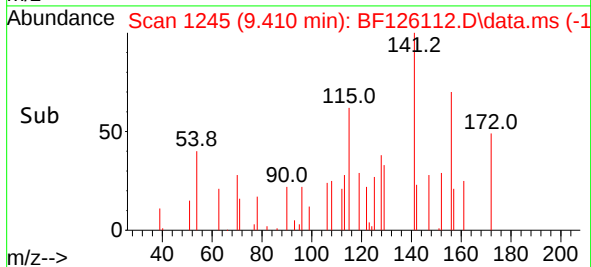
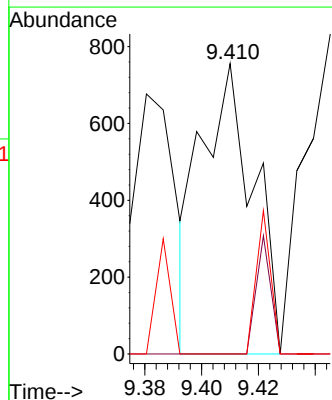
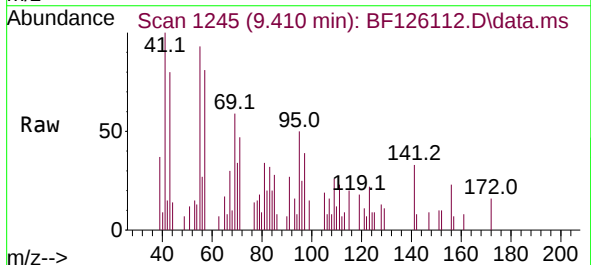
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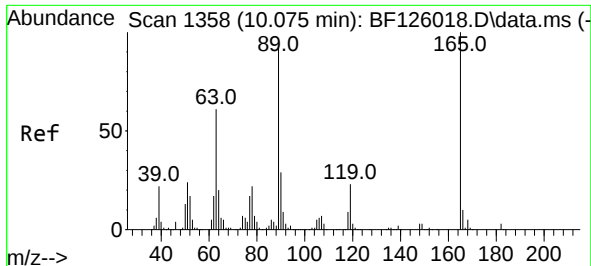
Tgt Ion:172 Resp: 1239198
Ion Ratio Lower Upper
172 100
171 35.2 26.5 39.7
170 23.4 18.8 28.2



#48
2-Nitroaniline
Concen: 3.036 ng
RT: 9.410 min Scan# 1245
Delta R.T. -0.018 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

Tgt Ion: 65 Resp: 963
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#

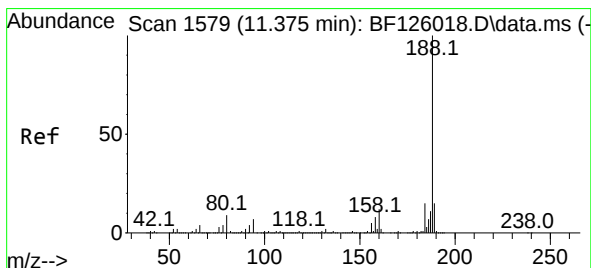
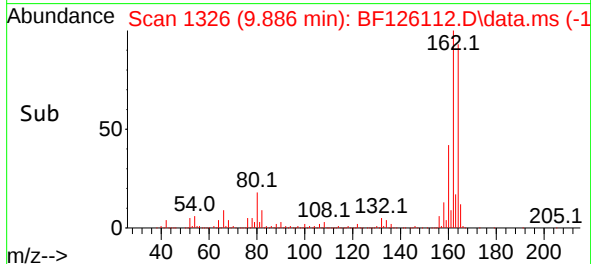
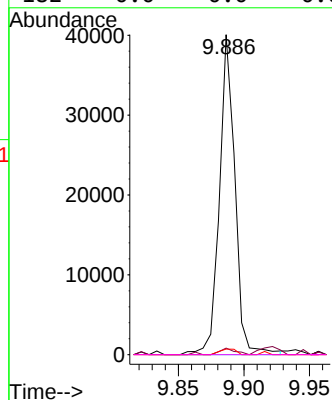
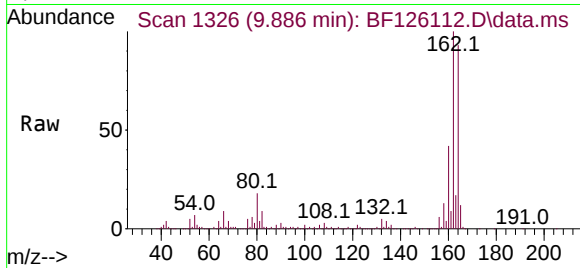




#57
2,4-Dinitrotoluene
Concen: 10.193 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

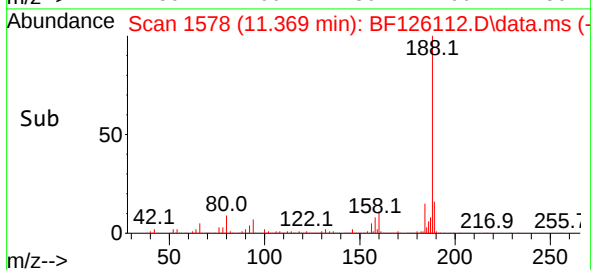
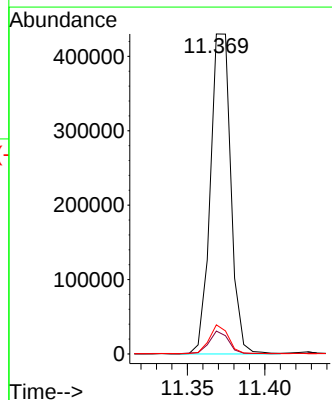
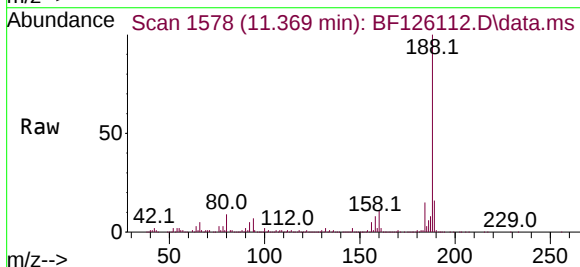
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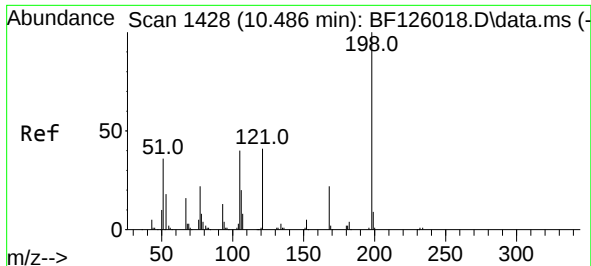
Tgt Ion:165 Resp: 32931
Ion Ratio Lower Upper
165 100
63 2.0 40.9 61.3#
89 1.7 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

Tgt Ion:188 Resp: 395786
Ion Ratio Lower Upper
188 100
94 7.2 6.7 10.1
80 9.1 7.5 11.3





#65

4,6-Dinitro-2-methylphenol

Concen: 8.585 ng

RT: 10.675 min Scan# 1428

Delta R.T. 0.189 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

Instrument :

BNA_F

ClientSampleId :

VWE-B4-110421-20-30

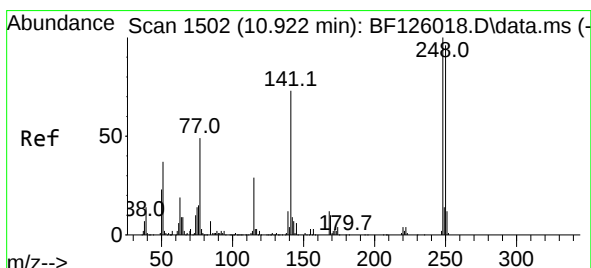
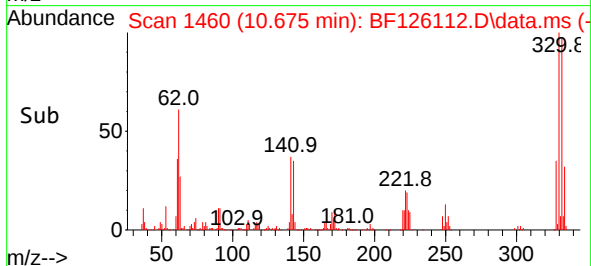
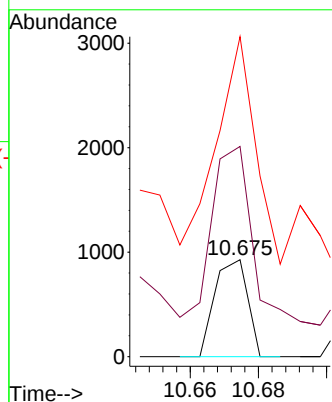
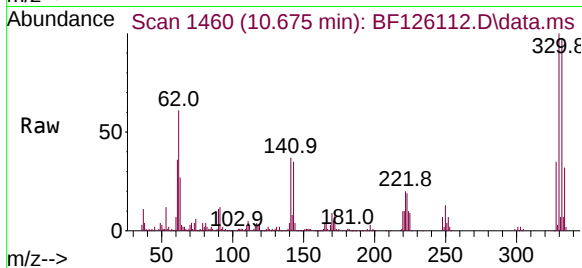
Tgt Ion:198 Resp: 618

Ion Ratio Lower Upper

198 100

51 216.7 45.3 85.3#

105 330.0 30.6 70.6#



#67

4-Bromophenyl-phenylether

Concen: 3.456 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.247 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

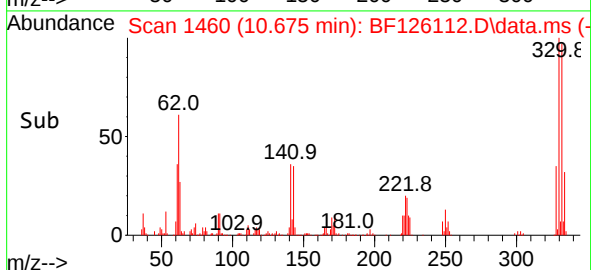
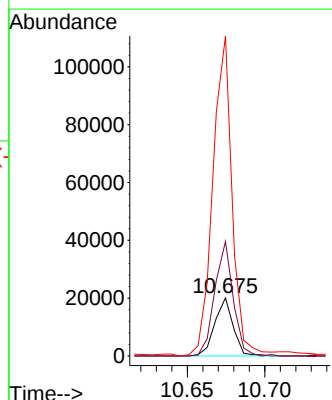
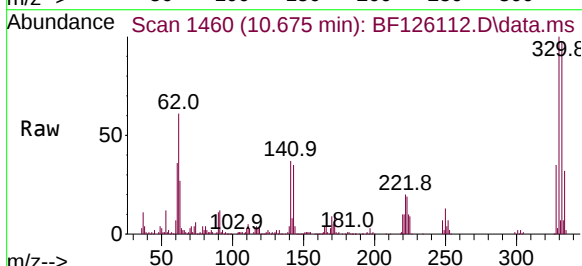
Tgt Ion:248 Resp: 16566

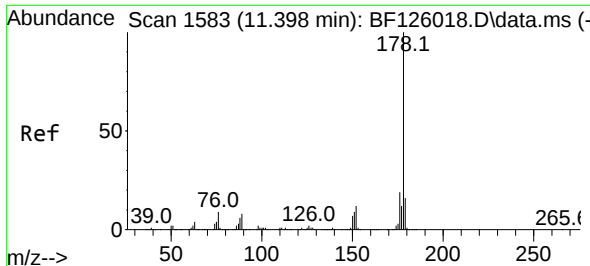
Ion Ratio Lower Upper

248 100

250 197.3 74.2 111.4#

141 551.5 60.4 90.6#

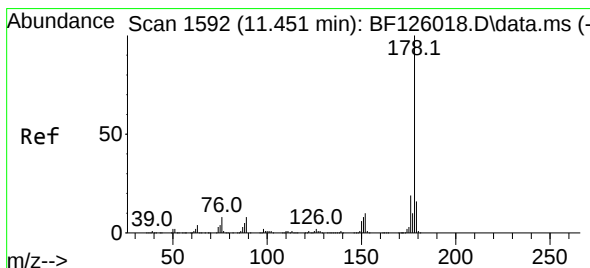
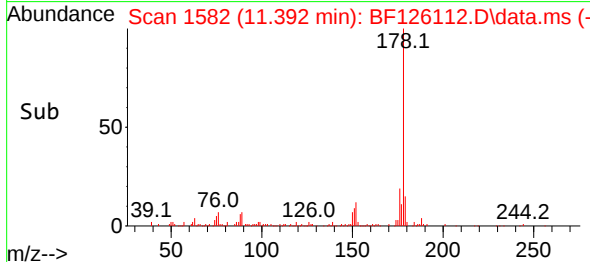
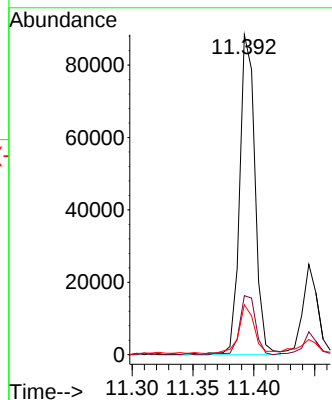
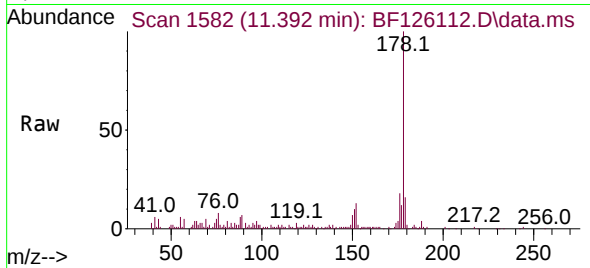




#71
Phenanthrene
Concen: 3.614 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

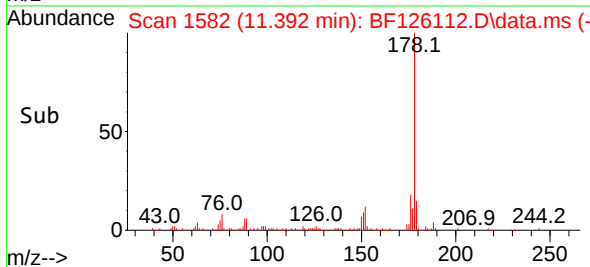
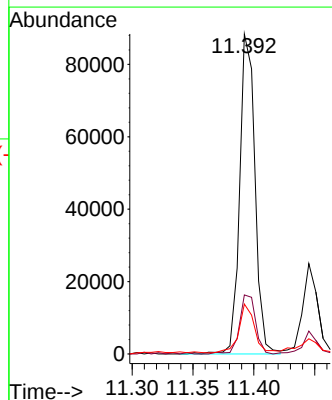
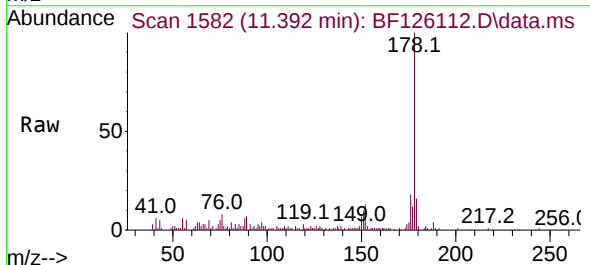
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

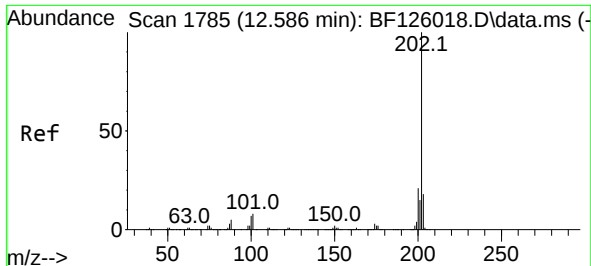
Tgt Ion:178 Resp: 77578
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 15.6 11.5 17.3



#72
Anthracene
Concen: 3.620 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.059 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

Tgt Ion:178 Resp: 77578
Ion Ratio Lower Upper
178 100
176 18.5 14.3 21.5
179 15.6 12.2 18.4

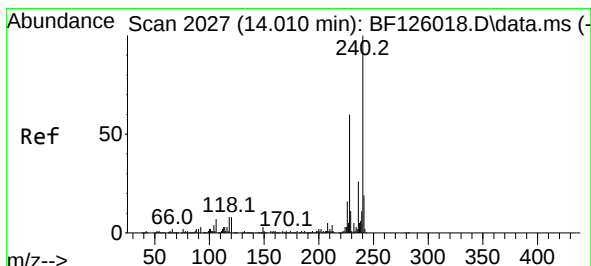
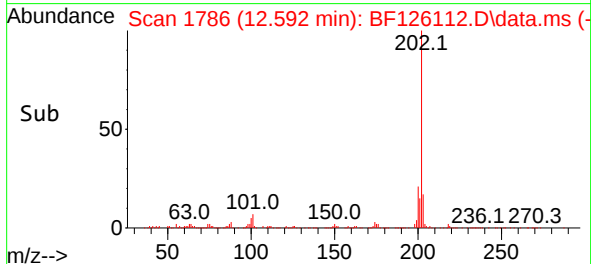
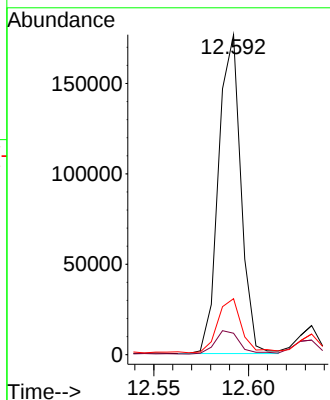
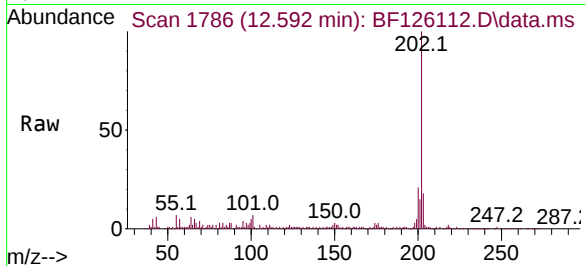




#75
Fluoranthene
Concen: 6.064 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

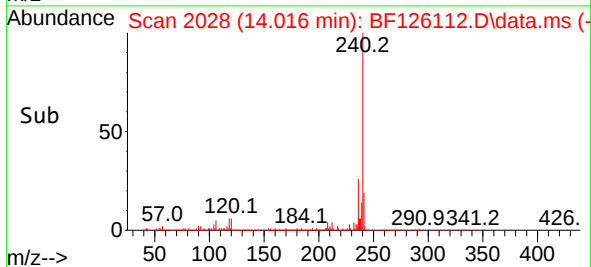
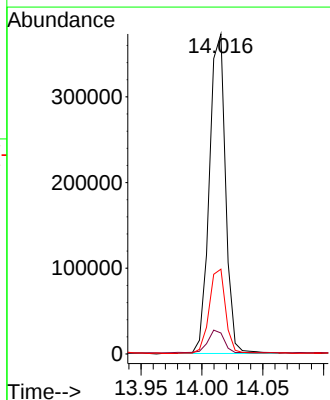
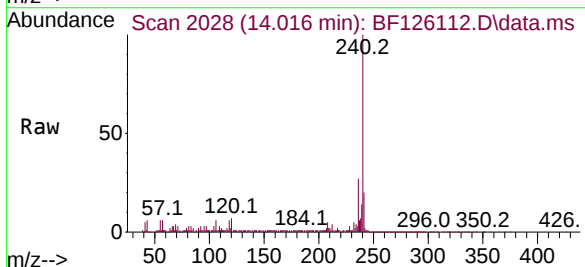
Instrument :
BNA_F
ClientSampleId :
VWE-B4-110421-20-30

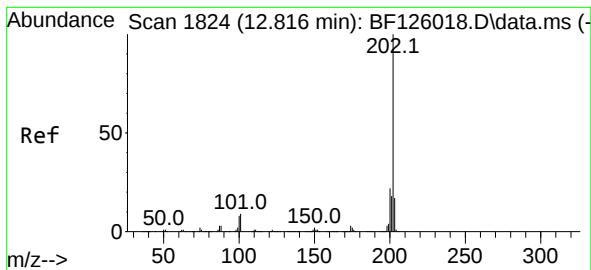
Tgt Ion:202 Resp: 144941
Ion Ratio Lower Upper
202 100
101 6.7 0.0 30.7
203 17.5 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF126112.D
Acq: 10 Nov 2021 17:42

Tgt Ion:240 Resp: 344890
Ion Ratio Lower Upper
240 100
120 6.6 10.8 16.2#
236 26.5 21.6 32.4





#78

Pyrene

Concen: 4.951 ng

RT: 12.816 min Scan# 1824

Delta R.T. -0.000 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

Instrument :

BNA_F

ClientSampleId :

VWE-B4-110421-20-30

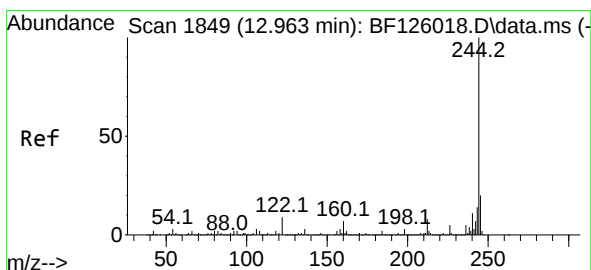
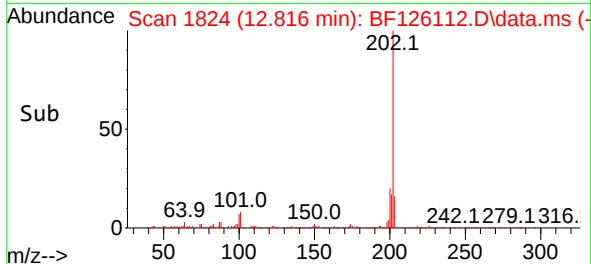
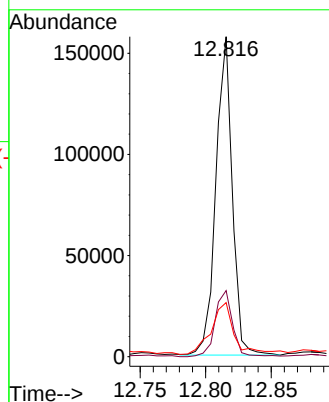
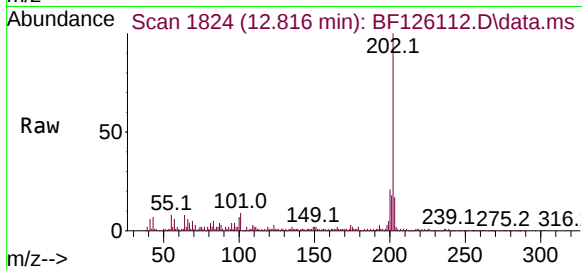
Tgt Ion:202 Resp: 136931

Ion Ratio Lower Upper

202 100

200 20.7 15.3 22.9

203 16.9 13.4 20.0



#79

Terphenyl-d14

Concen: 51.314 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

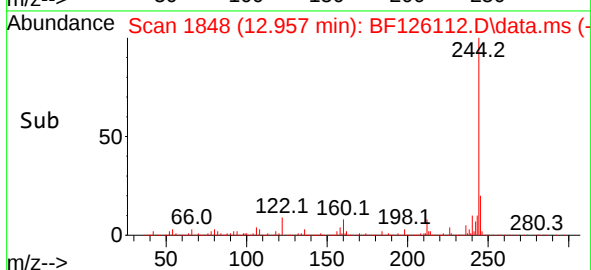
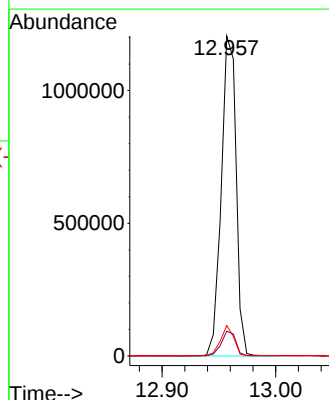
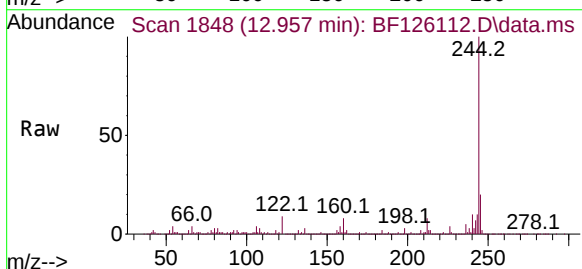
Tgt Ion:244 Resp: 1097491

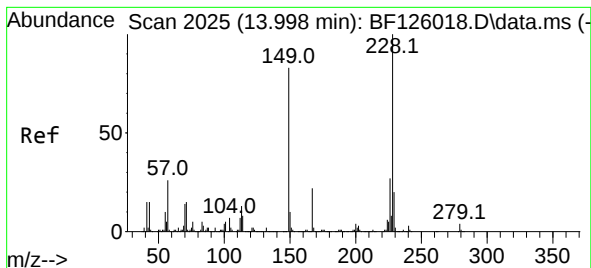
Ion Ratio Lower Upper

244 100

212 7.7 5.9 8.9

122 9.5 9.0 13.4





#81

Benzo(a)anthracene

Concen: 2.986 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

Instrument :

BNA_F

ClientSampleId :

VWE-B4-110421-20-30

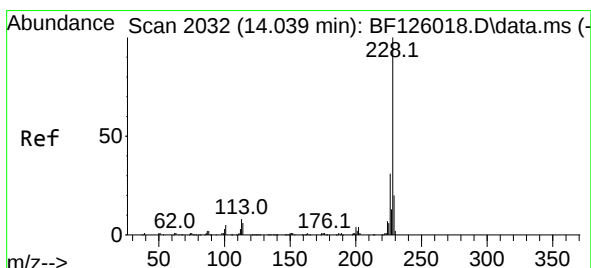
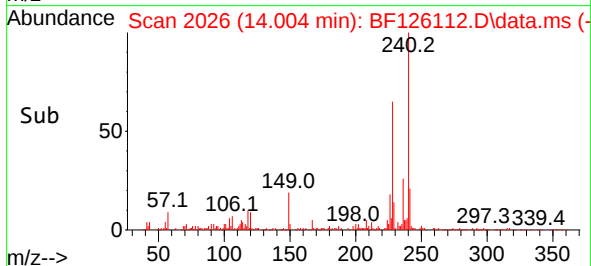
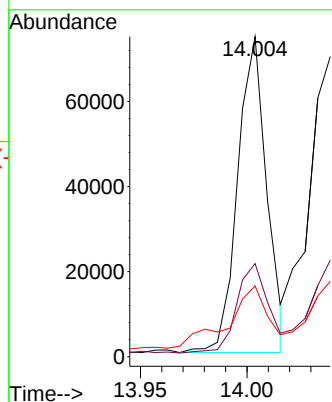
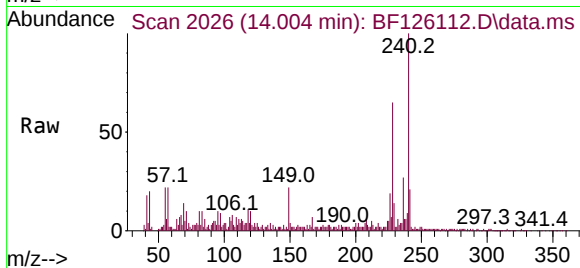
Tgt Ion:228 Resp: 70738

Ion Ratio Lower Upper

228 100

226 29.1 21.6 32.4

229 22.1 15.6 23.4



#83

Chrysene

Concen: 3.209 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.035 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

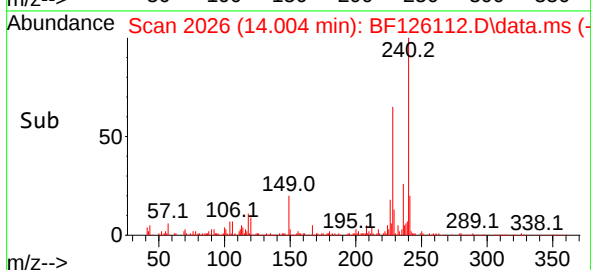
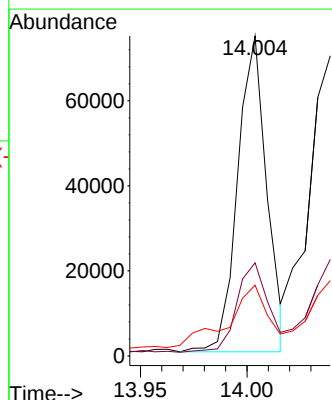
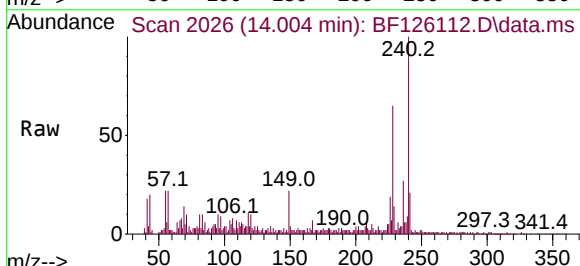
Tgt Ion:228 Resp: 70738

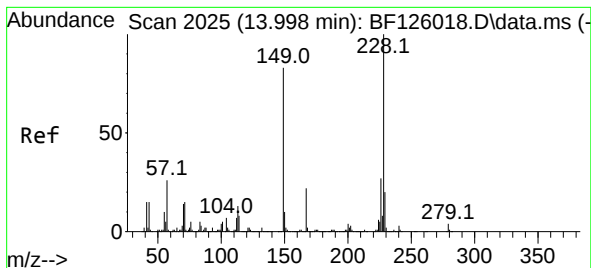
Ion Ratio Lower Upper

228 100

226 29.1 22.6 34.0

229 22.1 15.9 23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.787 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.000 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

Instrument :

BNA_F

ClientSampleId :

VWE-B4-110421-20-30

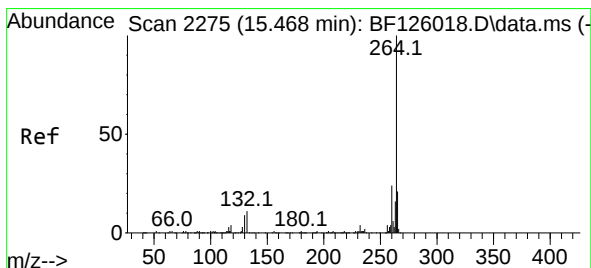
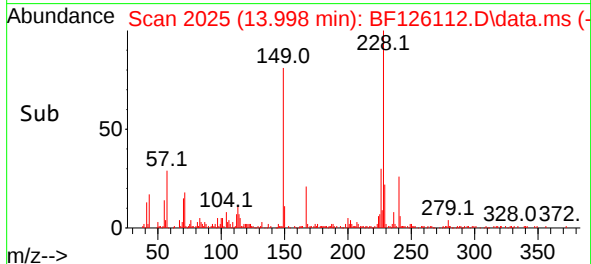
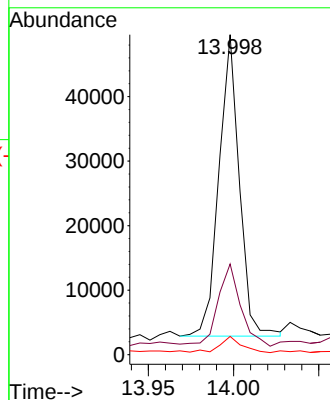
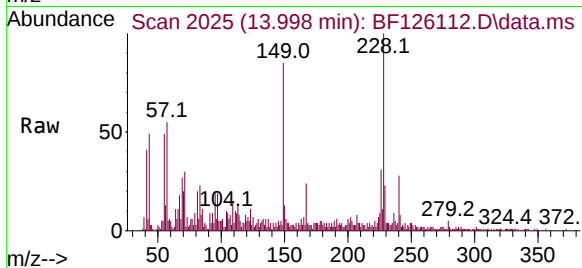
Tgt Ion:149 Resp: 38920

Ion Ratio Lower Upper

149 100

167 28.4 21.4 32.0

279 5.7 2.6 4.0#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.012 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

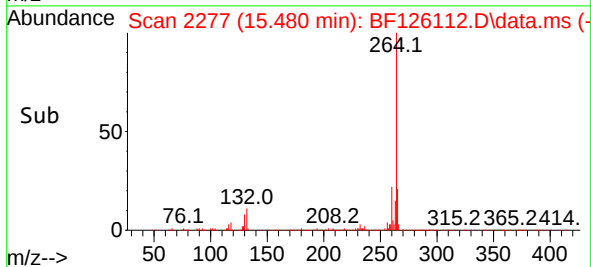
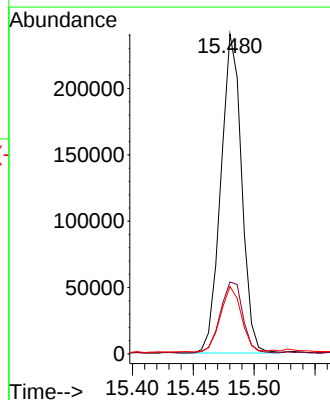
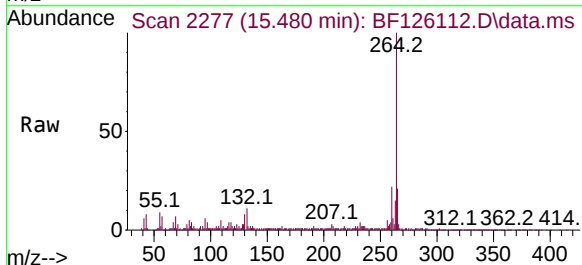
Tgt Ion:264 Resp: 285451

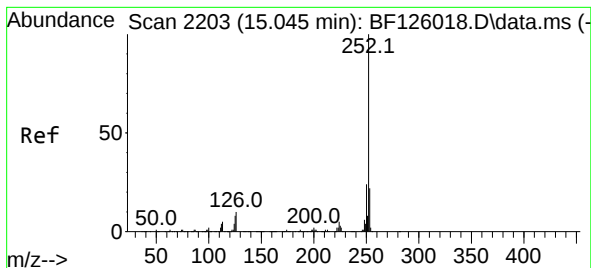
Ion Ratio Lower Upper

264 100

260 22.5 19.6 29.4

265 21.1 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 5.445 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

Instrument :

BNA_F

ClientSampleId :

VWE-B4-110421-20-30

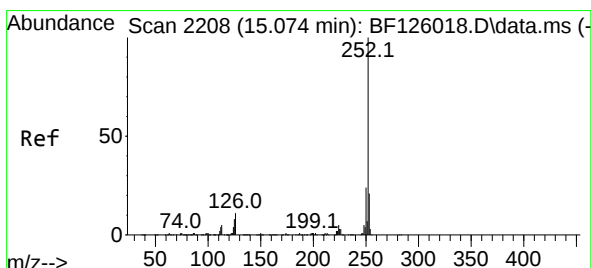
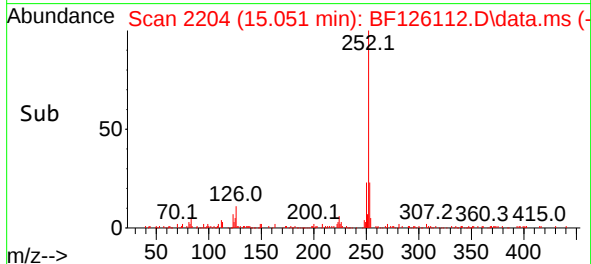
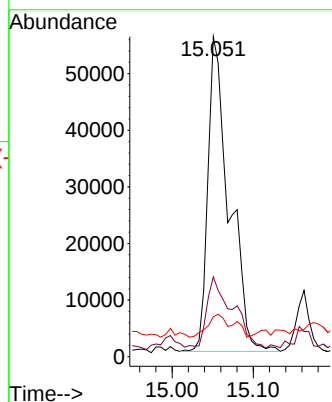
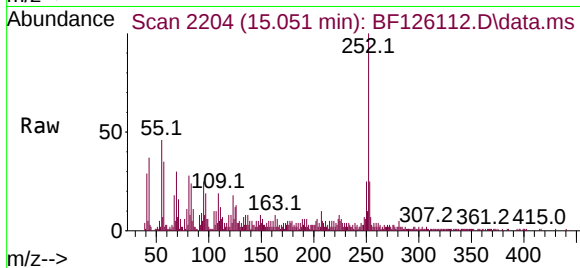
Tgt Ion:252 Resp: 101090

Ion Ratio Lower Upper

252 100

253 25.0 16.8 25.2

125 12.5 9.8 14.8



#89

Benzo(k)fluoranthene

Concen: 5.613 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.024 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

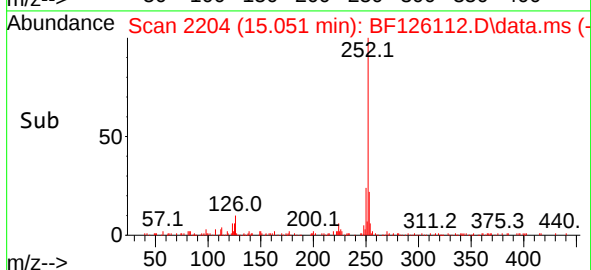
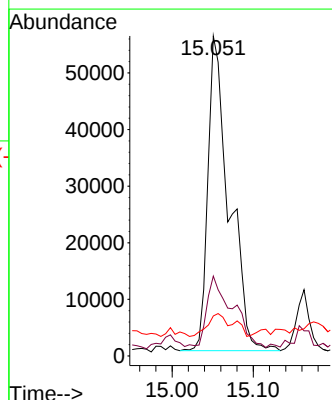
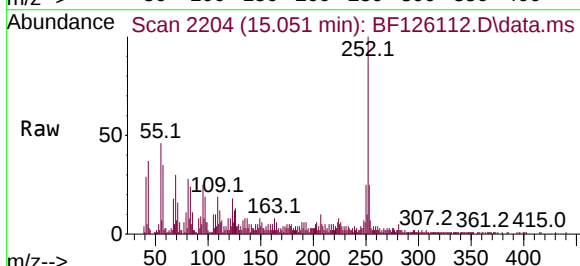
Tgt Ion:252 Resp: 101090

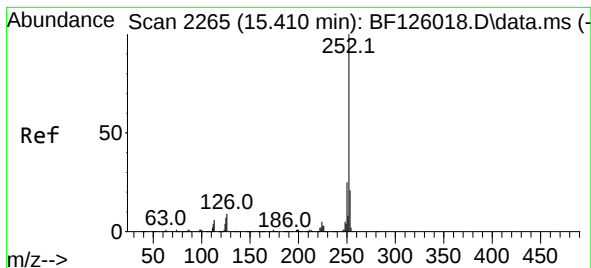
Ion Ratio Lower Upper

252 100

253 25.0 17.8 26.8

125 12.5 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 3.479 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.005 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

Instrument :

BNF

ClientSampleId :

VWE-B4-110421-20-30

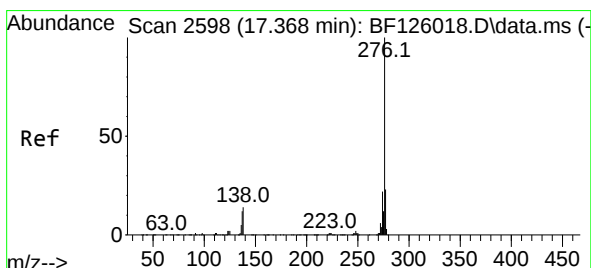
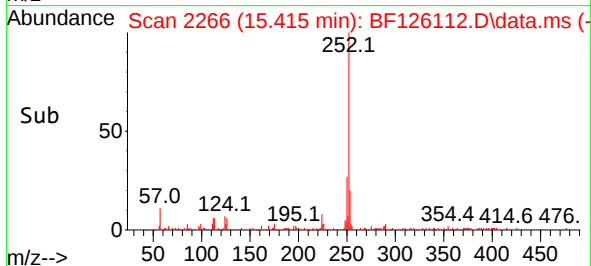
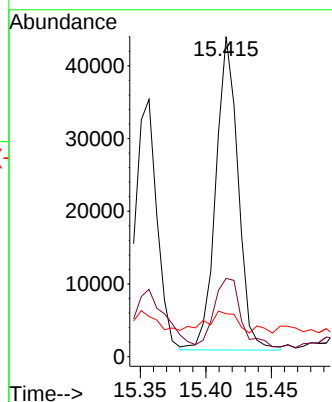
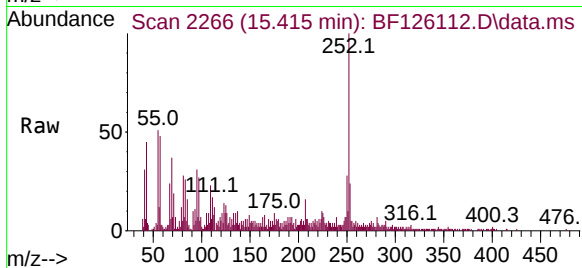
Tgt Ion:252 Resp: 50893

Ion Ratio Lower Upper

252 100

253 24.4 18.4 27.6

125 13.4 9.9 14.9



#92

Benzo(g,h,i)perylene

Concen: 2.264 ng

RT: 17.380 min Scan# 2600

Delta R.T. 0.012 min

Lab File: BF126112.D

Acq: 10 Nov 2021 17:42

Tgt Ion:276 Resp: 30131

Ion Ratio Lower Upper

276 100

277 30.0 22.0 33.0

138 17.9 22.2 33.4#

