

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111121\
 Data File : BF126143.D
 Acq On : 12 Nov 2021 00:39
 Operator : JU/CG
 Sample : M4574-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VWE-B6-110521-10-20

Quant Time: Nov 12 09:45:30 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)

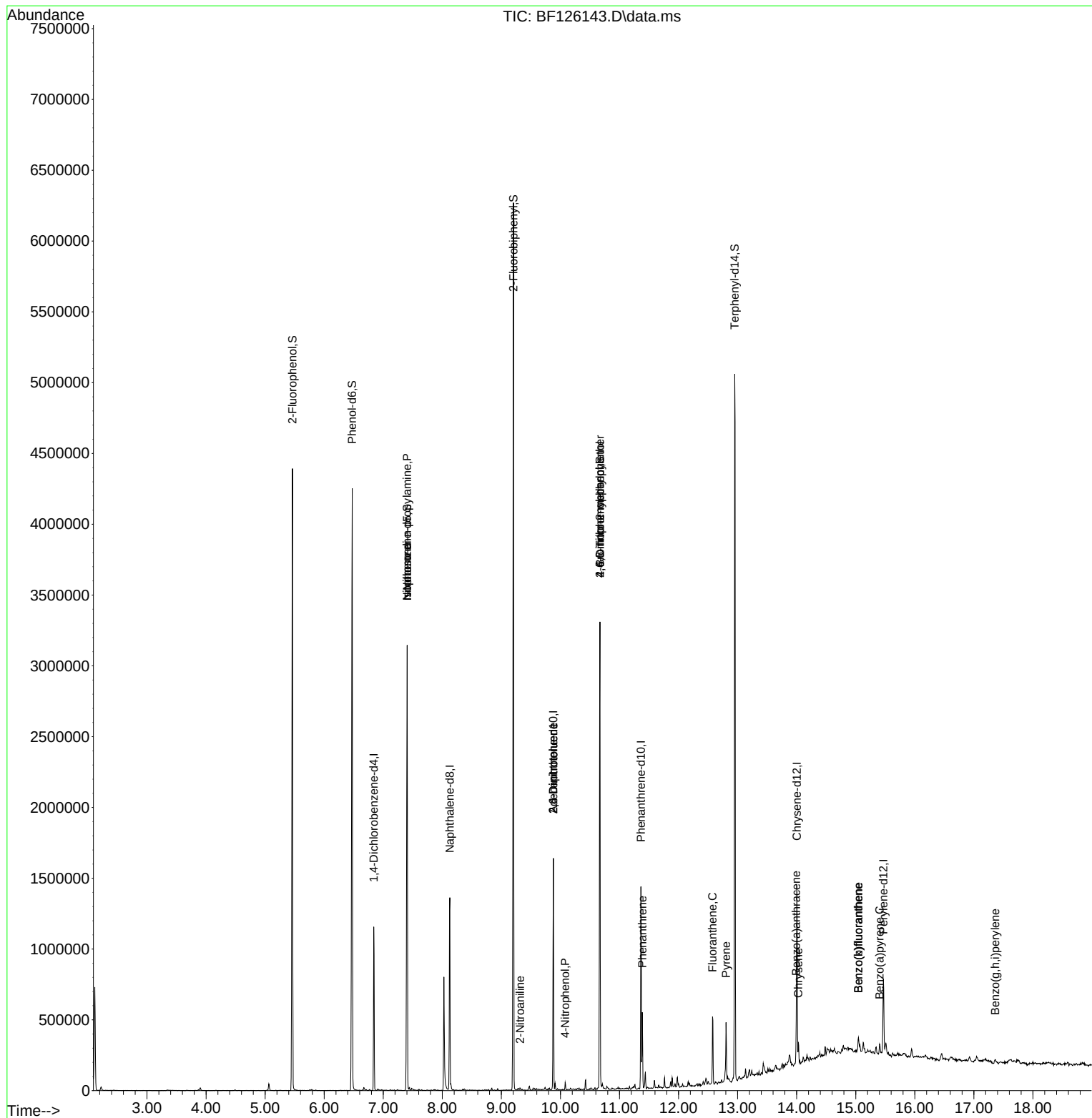
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	152893	20.000	ng	-0.02
21) Naphthalene-d8	8.127	136	552717	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	289232	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	470849	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	392320	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	237176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1000538	112.379	ng	0.00
7) Phenol-d6	6.475	99	1269971	101.188	ng	-0.01
23) Nitrobenzene-d5	7.404	82	929734	79.329	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	347381	104.803	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1709166	79.856	ng	-0.01
79) Terphenyl-d14	12.951	244	1696601	69.735	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.392	77	288	Below Cal	#	32
19) n-Nitroso-di-n-propyla...	7.404	70	129530	15.655	ng	# 62
25) Isophorone	7.404	82	924542	43.815	ng	# 59
48) 2-Nitroaniline	9.316	65	137	2.872	ng	# 1
51) 2,6-Dinitrotoluene	9.880	165	37424	10.369	ng	# 28
56) 4-Nitrophenol	10.080	139	6429	2.202	ng	# 17
57) 2,4-Dinitrotoluene	9.880	165	37424	9.888	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.669	198	933	8.657	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	22342	3.918	ng	# 1
71) Phenanthrene	11.386	178	173608	6.799	ng	99
75) Fluoranthene	12.574	202	194394	6.837	ng	97
78) Pyrene	12.804	202	154342	4.906	ng	96
81) Benzo(a)anthracene	13.992	228	72379	2.686	ng	# 91
83) Chrysene	14.027	228	61507	2.453	ng	94
88) Benzo(b)fluoranthene	15.045	252	67812	4.396	ng	# 90
89) Benzo(k)fluoranthene	15.045	252	67812	4.531	ng	# 93
90) Benzo(a)pyrene	15.403	252	33422	2.750	ng	# 90
92) Benzo(g,h,i)perylene	17.362	276	26151	2.365	ng	# 82

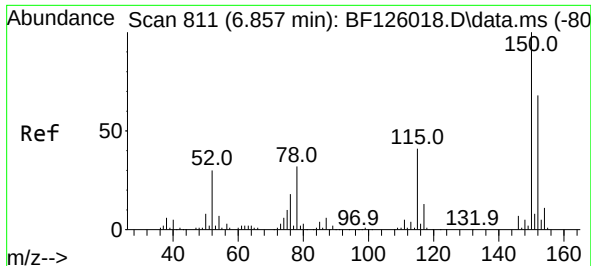
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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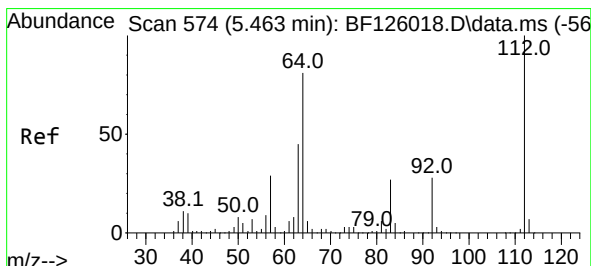
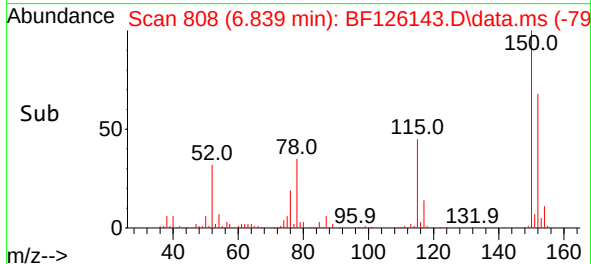
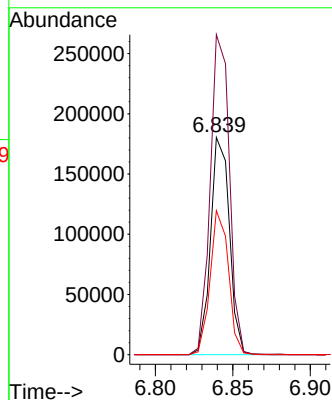
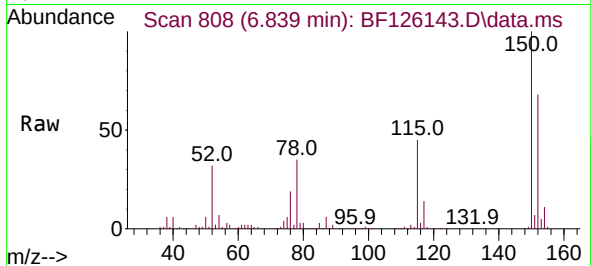




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

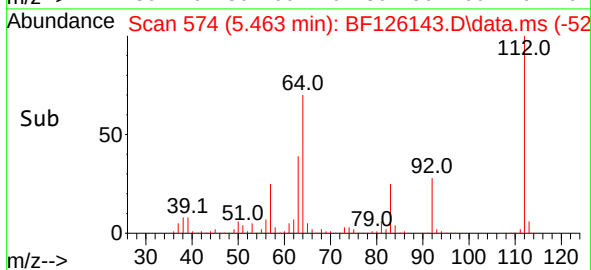
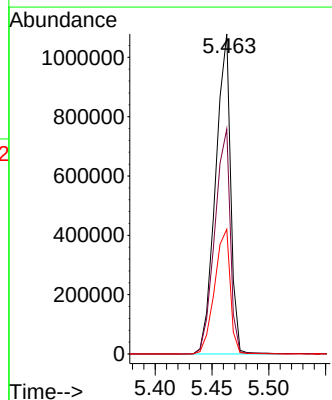
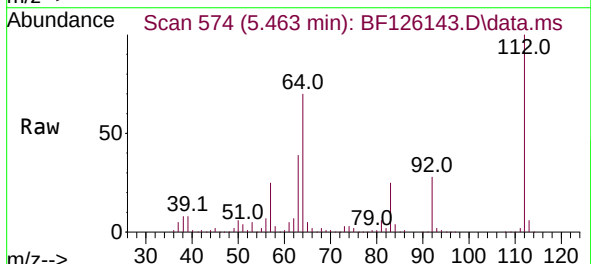
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20

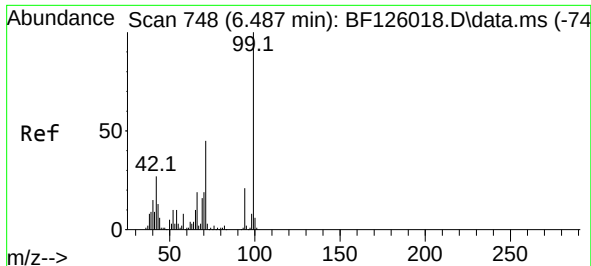
Tgt Ion:152 Resp: 152893
Ion Ratio Lower Upper
152 100
150 147.2 117.6 176.4
115 66.3 47.1 70.7



#5
2-Fluorophenol
Concen: 112.379 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

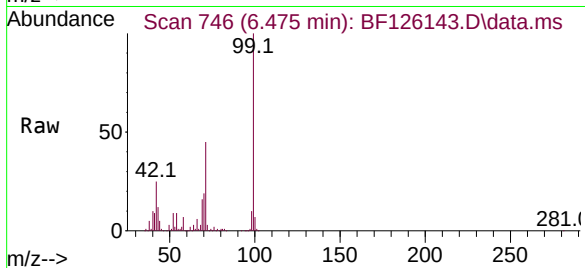
Tgt Ion:112 Resp: 1000538
Ion Ratio Lower Upper
112 100
64 70.3 44.2 66.2#
63 39.0 26.2 39.2





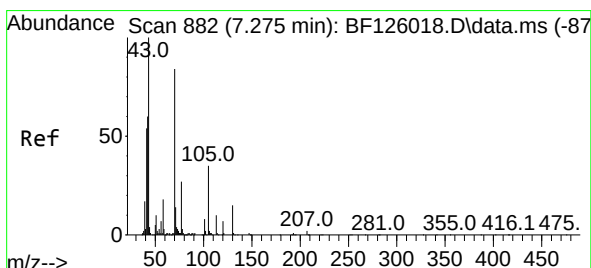
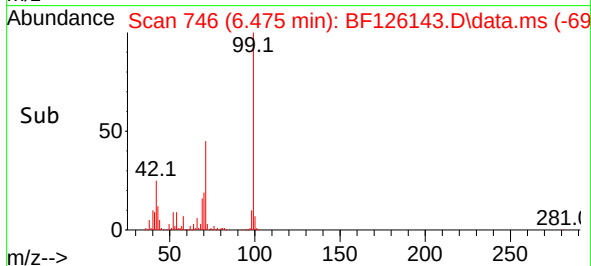
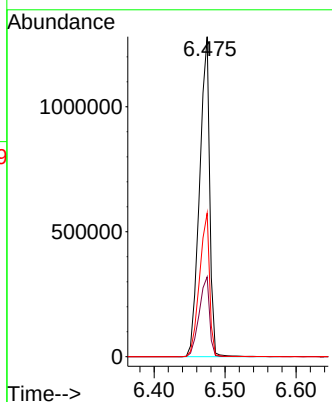
#7
Phenol-d6
Concen: 101.188 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20



Tgt Ion: 99 Resp: 1269971

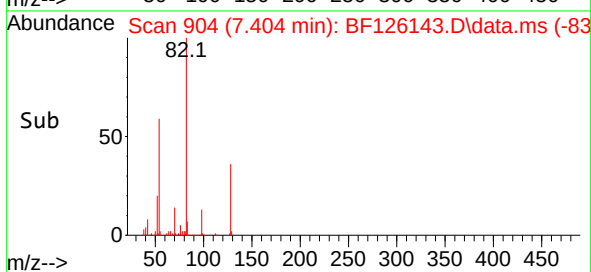
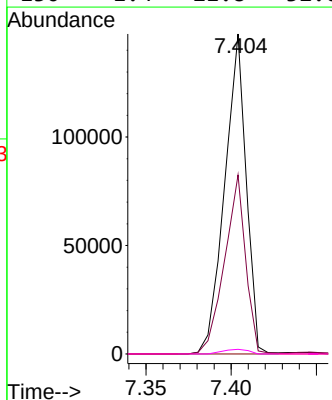
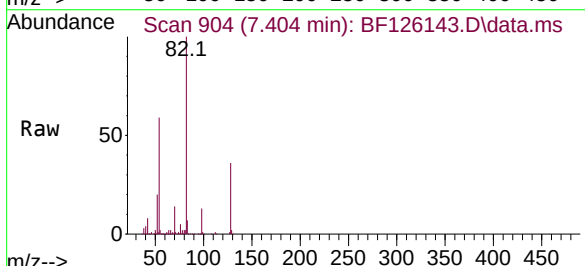
Ion	Ratio	Lower	Upper
99	100		
42	25.0	23.5	35.3
71	44.8	25.6	38.4#

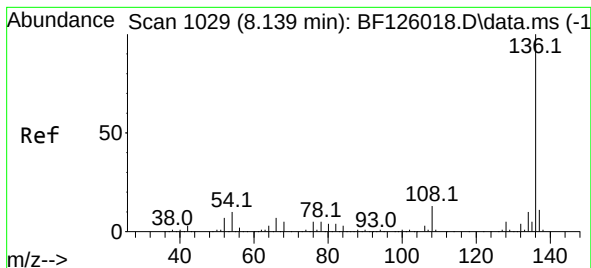


#19
n-Nitroso-di-n-propylamine
Concen: 15.655 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.129 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion: 70 Resp: 129530

Ion	Ratio	Lower	Upper
70	100		
42	56.0	72.2	108.2#
101	0.0	7.8	11.8#
130	1.4	21.8	32.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.127 min Scan# 10

Delta R.T. -0.011 min

Lab File: BF126143.D

Acq: 12 Nov 2021 00:39

Instrument :

BNA_F

ClientSampleId :

VWE-B6-110521-10-20

Tgt Ion:136 Resp: 552717

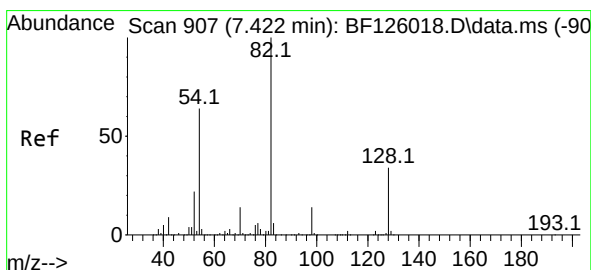
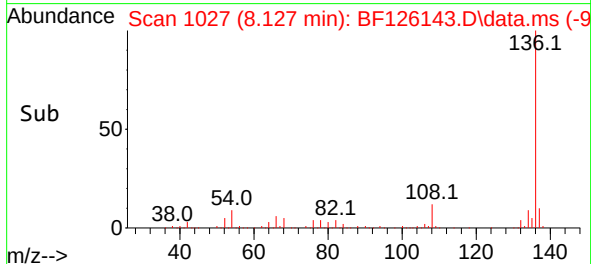
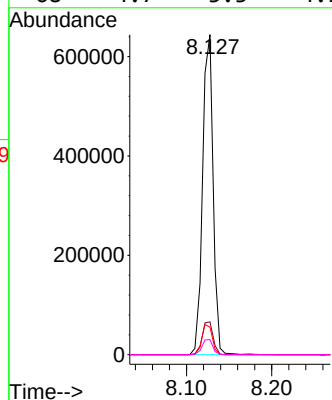
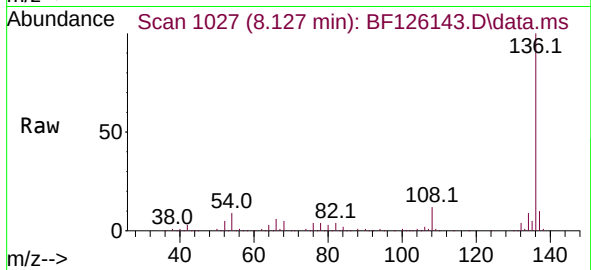
Ion Ratio Lower Upper

136 100

137 10.3 9.8 14.6

54 8.6 6.4 9.6

68 4.7 3.3 4.9



#23

Nitrobenzene-d5

Concen: 79.329 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.018 min

Lab File: BF126143.D

Acq: 12 Nov 2021 00:39

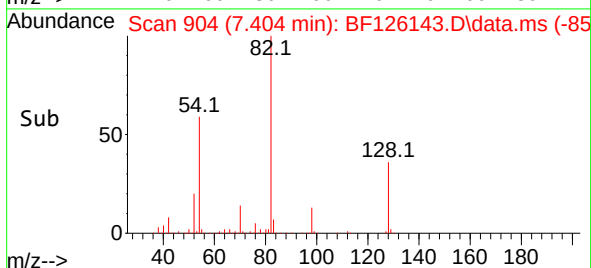
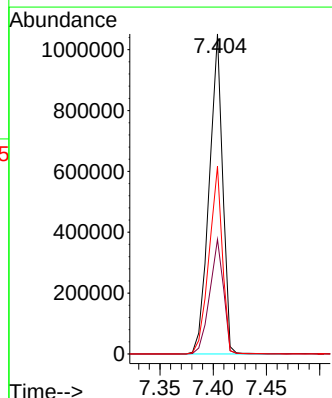
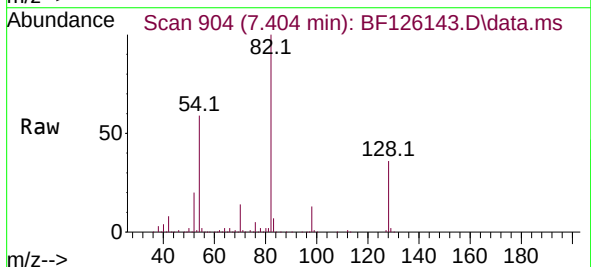
Tgt Ion: 82 Resp: 929734

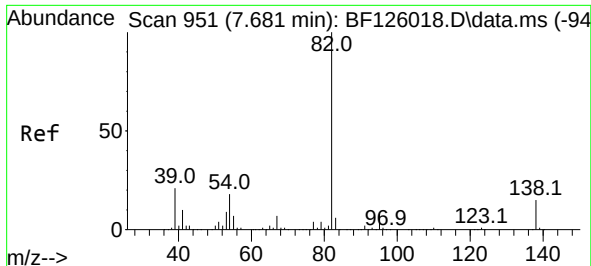
Ion Ratio Lower Upper

82 100

128 35.8 40.6 60.8#

54 58.6 49.6 74.4

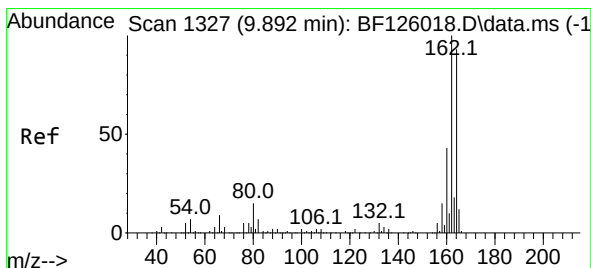
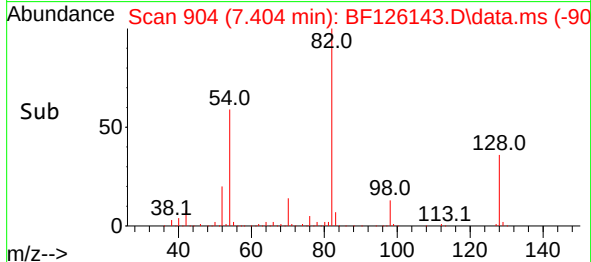
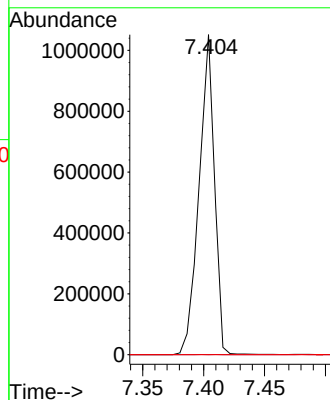
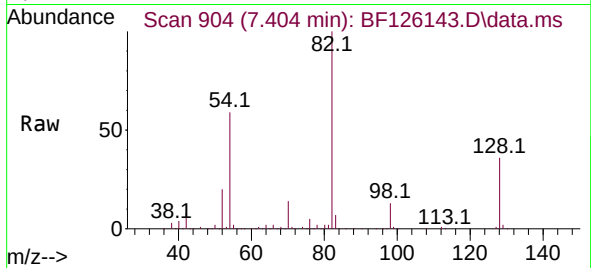




#25
Isophorone
Concen: 43.815 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

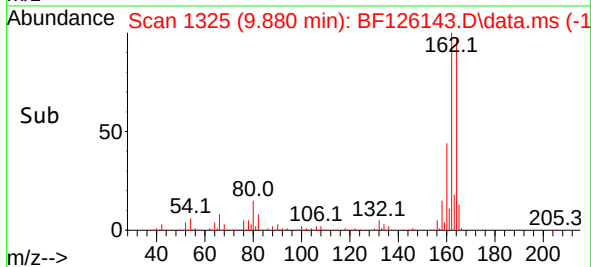
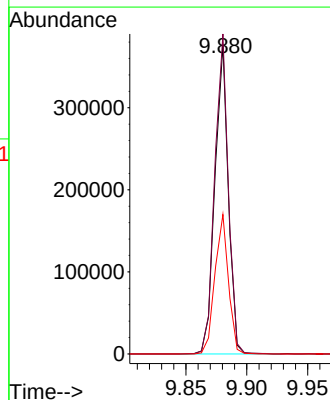
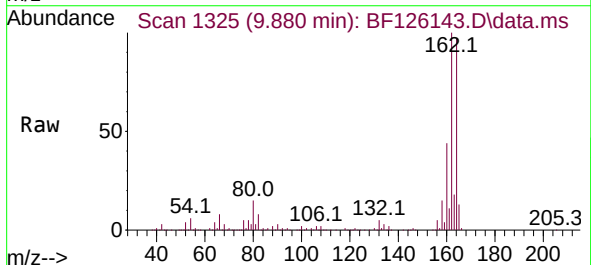
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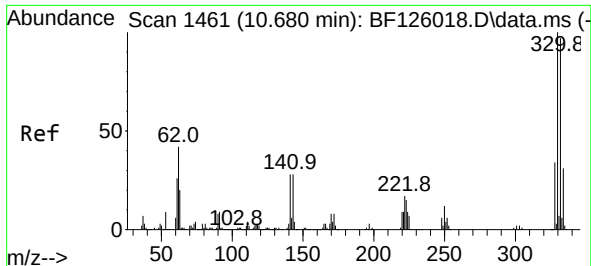
Tgt Ion: 82 Resp: 924542
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion:164 Resp: 289232
Ion Ratio Lower Upper
164 100
162 103.4 81.3 121.9
160 45.1 38.0 57.0

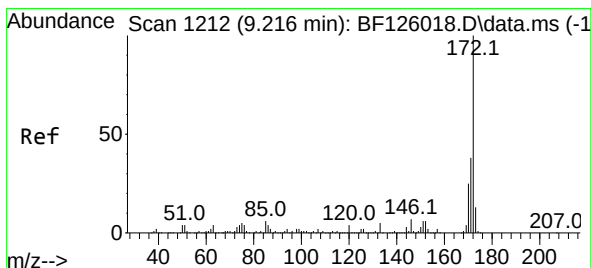
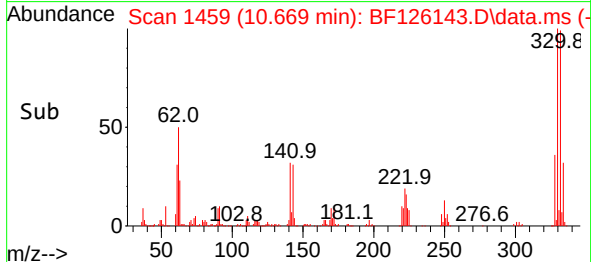
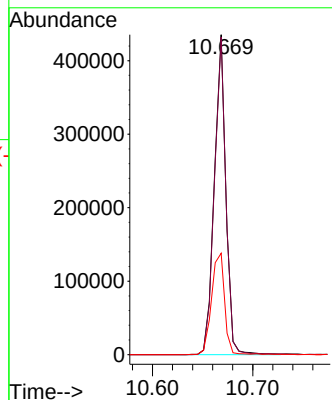
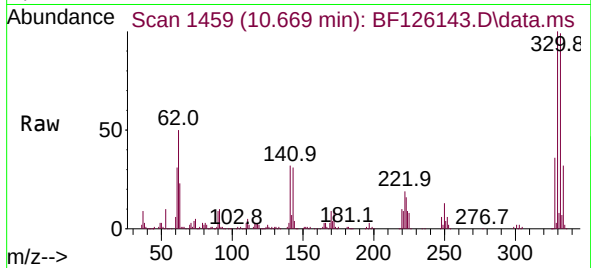




#42
2,4,6-Tribromophenol
Concen: 104.803 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

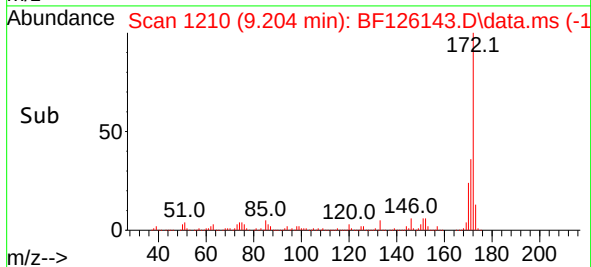
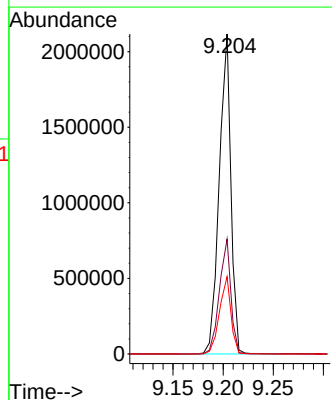
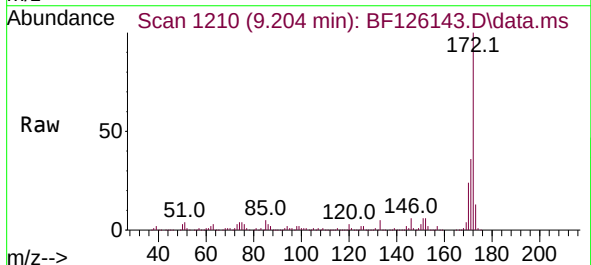
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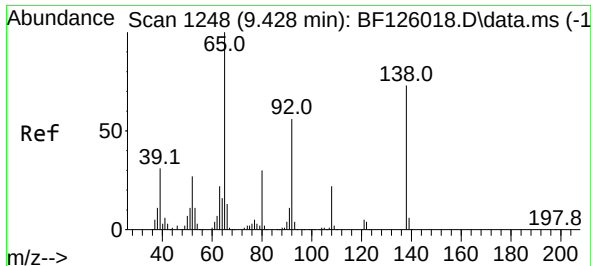
Tgt Ion:330 Resp: 347381
Ion Ratio Lower Upper
330 100
332 98.9 76.2 114.4
141 36.2 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 79.856 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion:172 Resp: 1709166
Ion Ratio Lower Upper
172 100
171 35.9 26.5 39.7
170 24.1 18.8 28.2

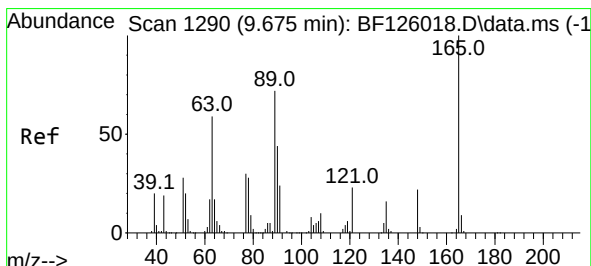
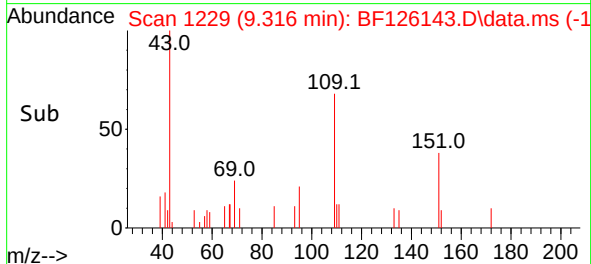
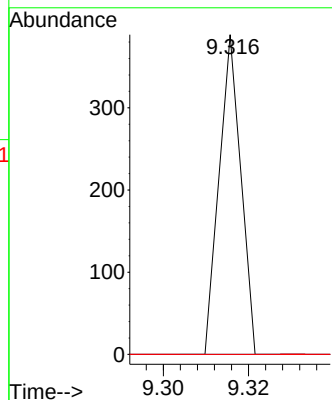
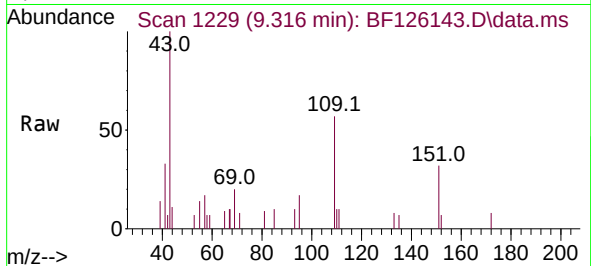




#48
2-Nitroaniline
Concen: 2.872 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.112 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

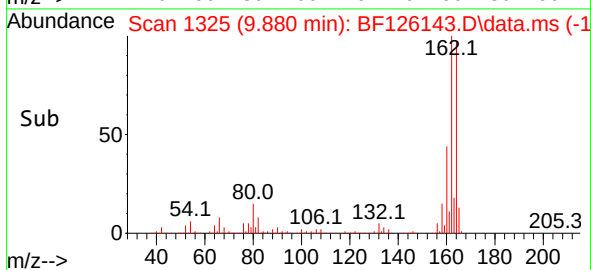
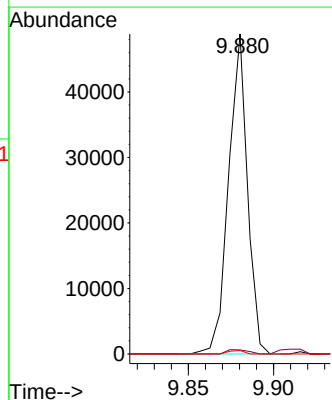
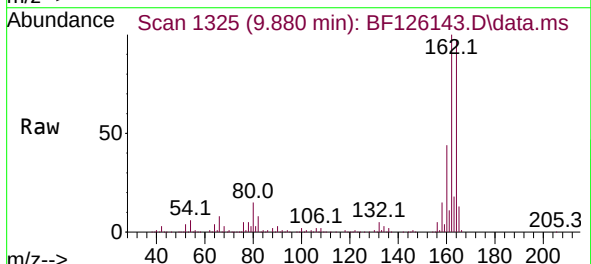
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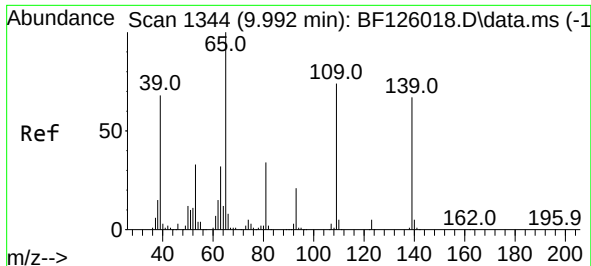
Tgt Ion: 65 Resp: 137
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 10.369 ng
RT: 9.880 min Scan# 1325
Delta R.T. 0.205 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion: 165 Resp: 37424
Ion Ratio Lower Upper
165 100
63 1.2 42.6 63.8#
89 1.1 40.6 60.8#

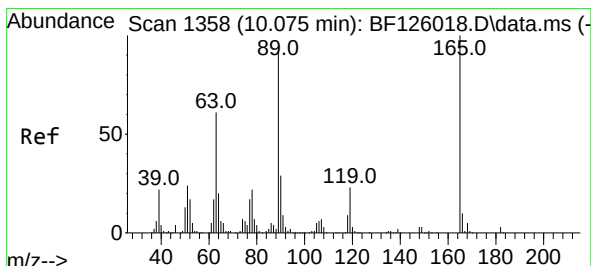
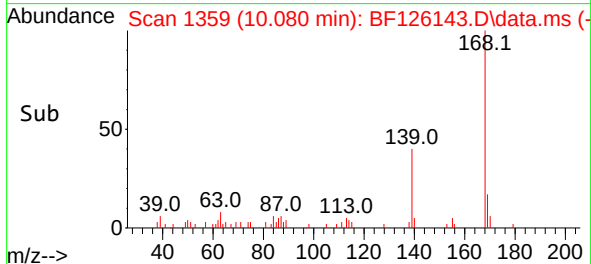
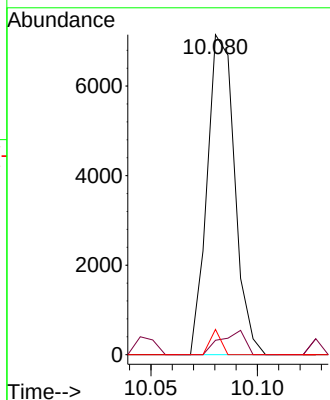
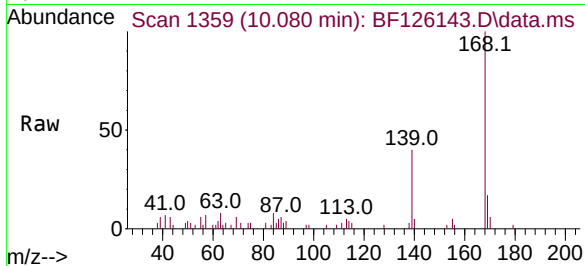




#56
4-Nitrophenol
Concen: 2.202 ng
RT: 10.080 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

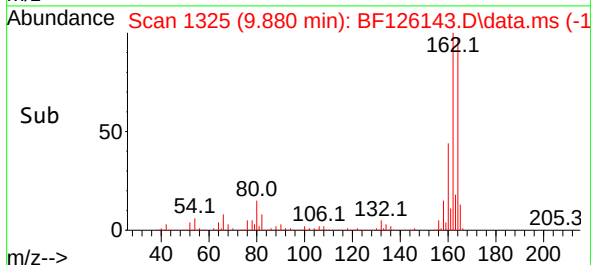
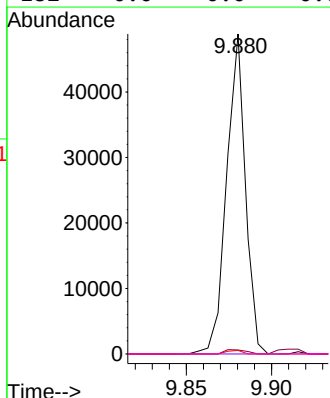
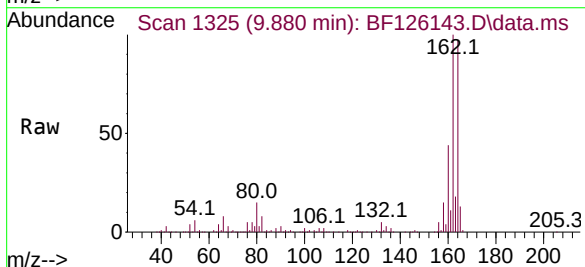
Instrument :
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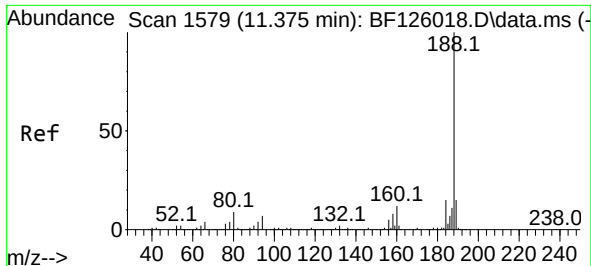
Tgt Ion:139 Resp: 6429
Ion Ratio Lower Upper
139 100
109 4.5 60.4 100.4#
65 7.9 58.4 98.4#



#57
2,4-Dinitrotoluene
Concen: 9.888 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.195 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion:165 Resp: 37424
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 1.1 59.7 89.5#
182 0.0 0.0 0.0

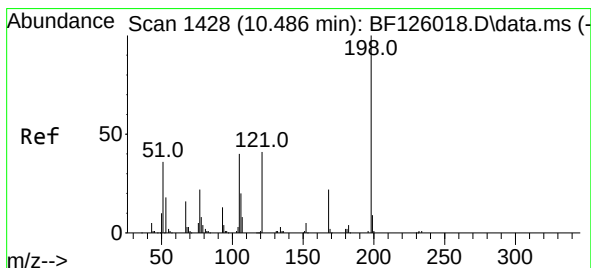
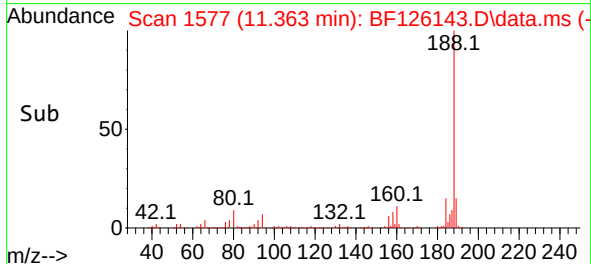
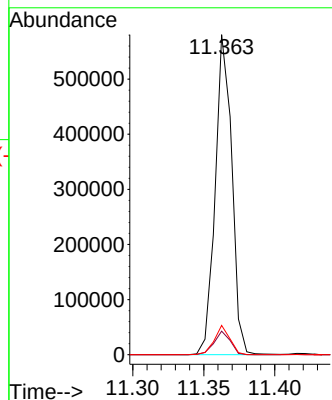
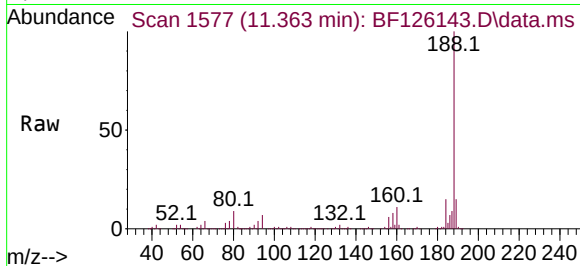




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

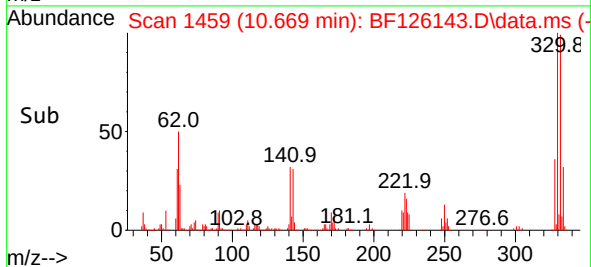
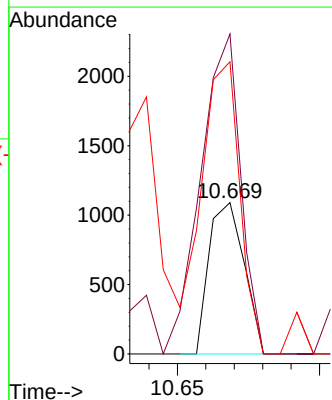
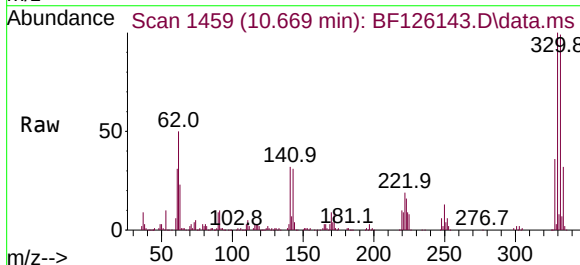
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20

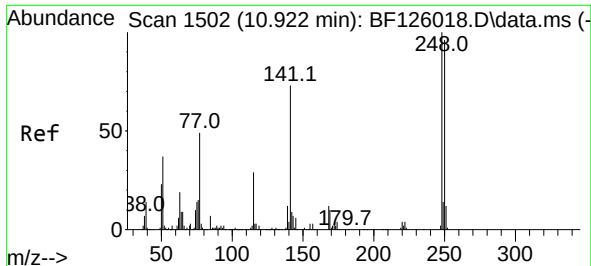
Tgt Ion:188 Resp: 470849
Ion Ratio Lower Upper
188 100
94 7.3 6.7 10.1
80 9.2 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 8.657 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.182 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion:198 Resp: 933
Ion Ratio Lower Upper
198 100
51 211.5 45.3 85.3#
105 193.1 30.6 70.6#

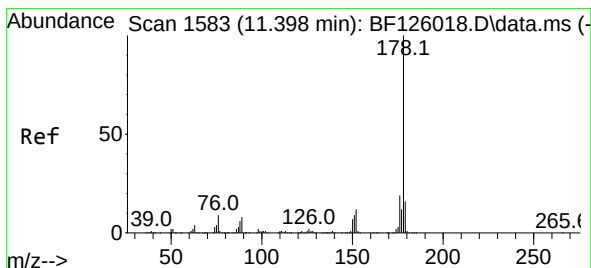
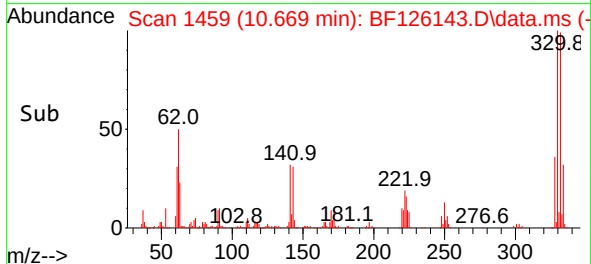
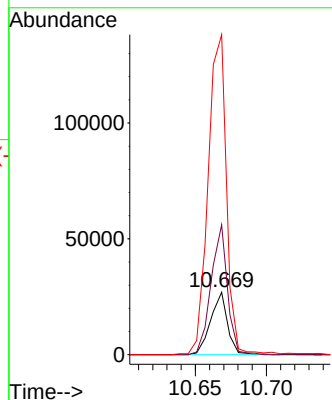
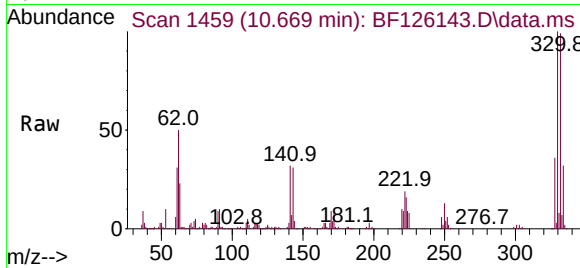




#67
4-Bromophenyl-phenylether
Concen: 3.918 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.254 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

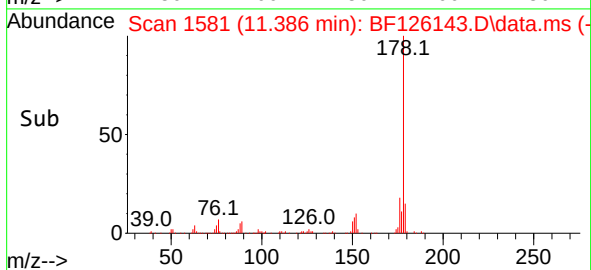
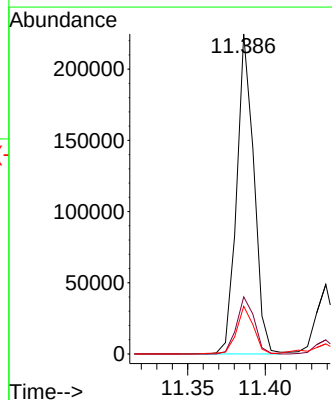
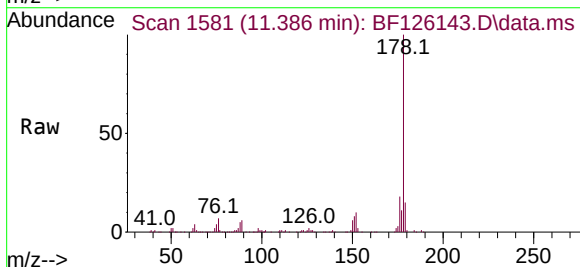
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20

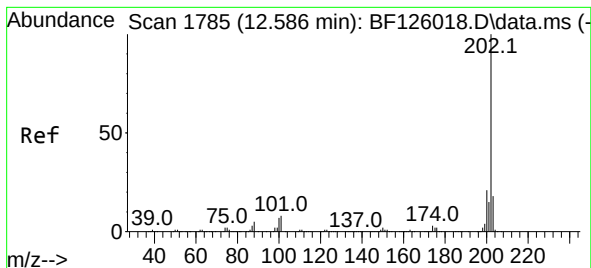
Tgt Ion:248 Resp: 22342
Ion Ratio Lower Upper
248 100
250 207.8 74.2 111.4#
141 512.1 60.4 90.6#



#71
Phenanthrene
Concen: 6.799 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion:178 Resp: 173608
Ion Ratio Lower Upper
178 100
176 17.9 14.7 22.1
179 14.9 11.5 17.3

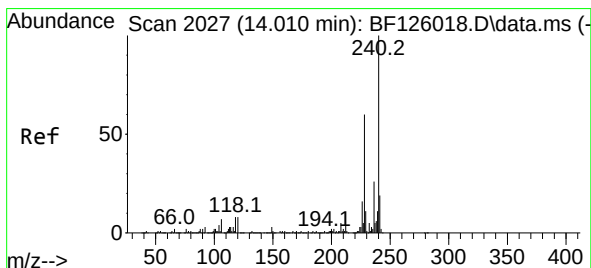
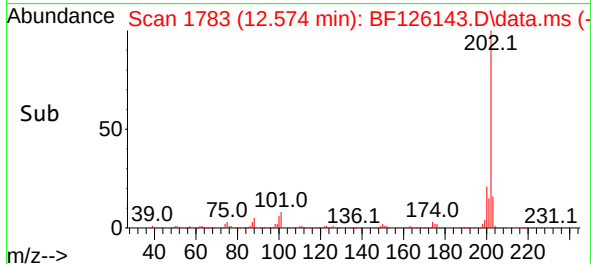
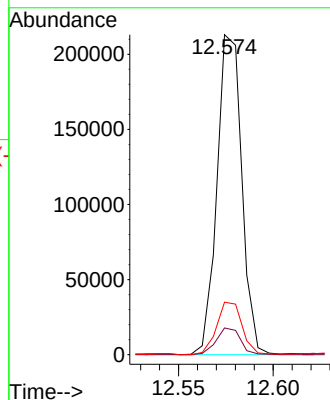
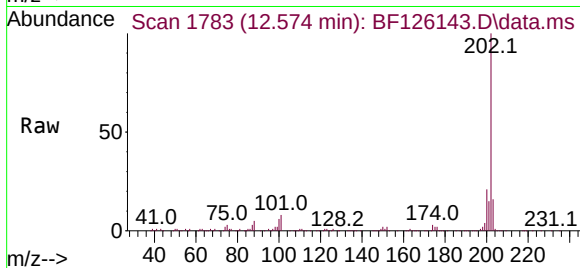




#75
Fluoranthene
Concen: 6.837 ng
RT: 12.574 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

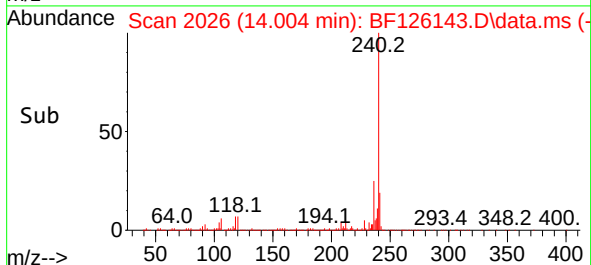
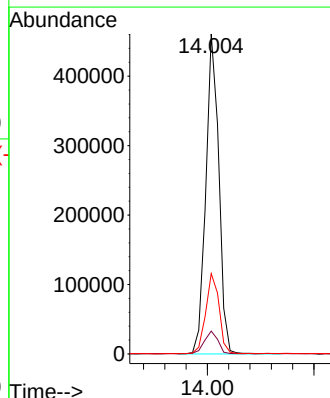
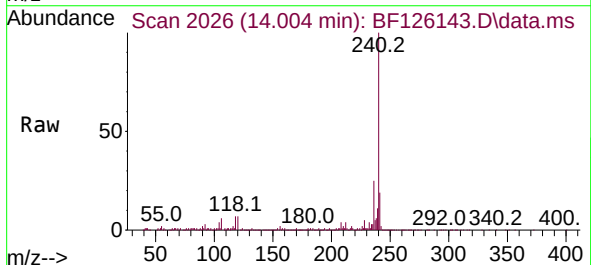
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20

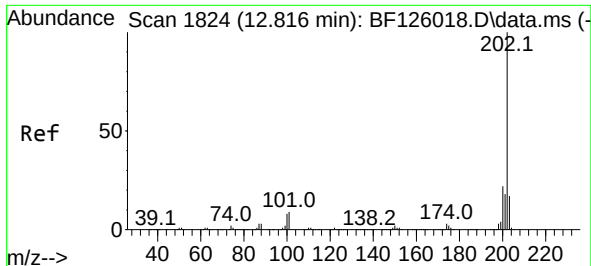
Tgt Ion:202 Resp: 194394
Ion Ratio Lower Upper
202 100
101 8.3 0.0 30.7
203 16.4 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion:240 Resp: 392320
Ion Ratio Lower Upper
240 100
120 7.1 10.8 16.2#
236 25.1 21.6 32.4

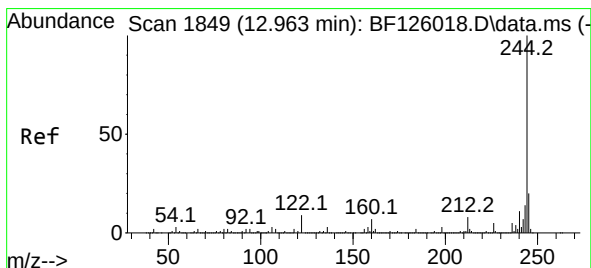
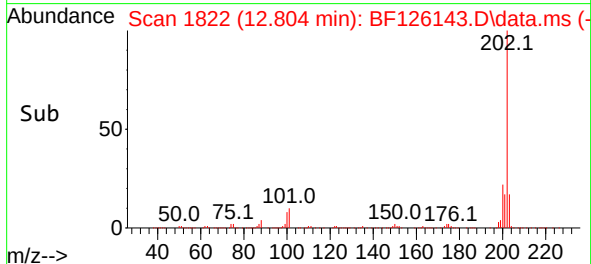
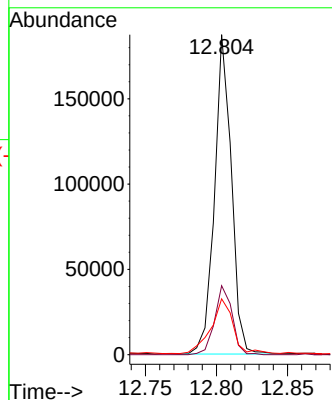
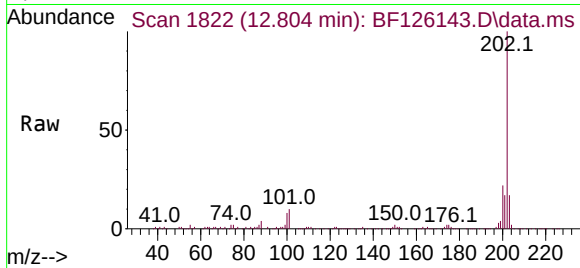




#78
Pyrene
Concen: 4.906 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

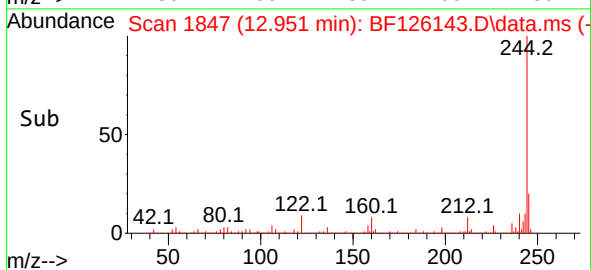
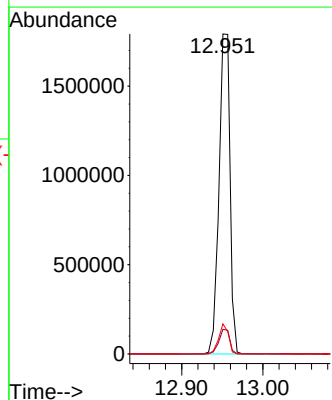
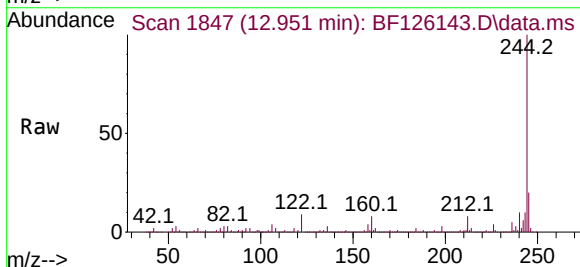
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20

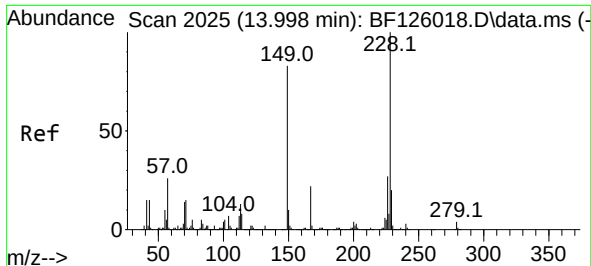
Tgt Ion:202 Resp: 154342
Ion Ratio Lower Upper
202 100
200 21.6 15.3 22.9
203 17.5 13.4 20.0



#79
Terphenyl-d14
Concen: 69.735 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion:244 Resp: 1696601
Ion Ratio Lower Upper
244 100
212 7.7 5.9 8.9
122 9.4 9.0 13.4

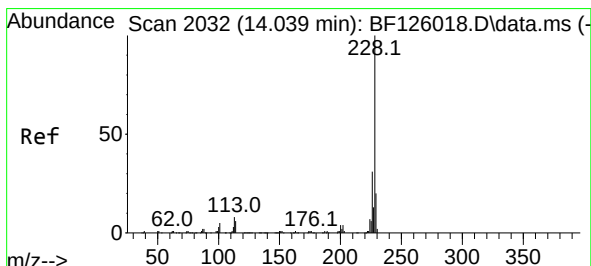
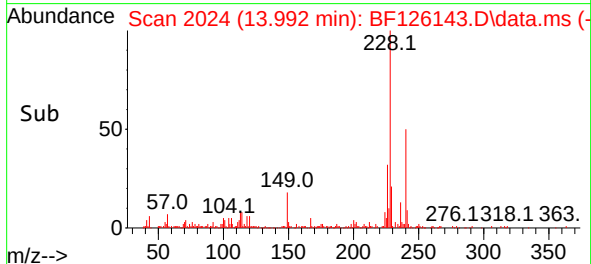
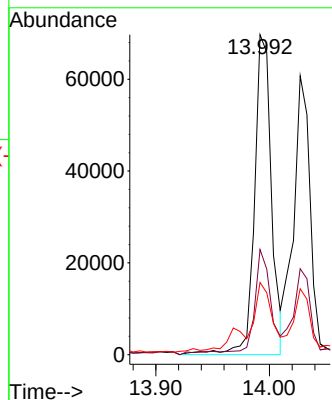
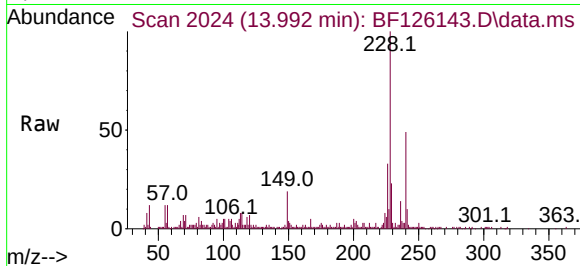




#81
Benzo(a)anthracene
Concen: 2.686 ng
RT: 13.992 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

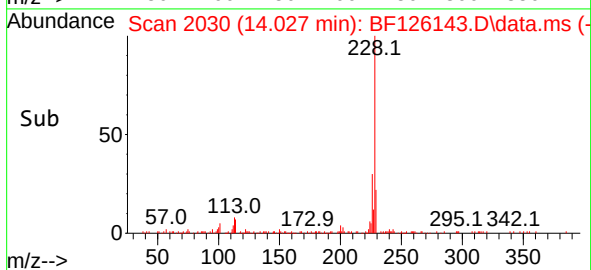
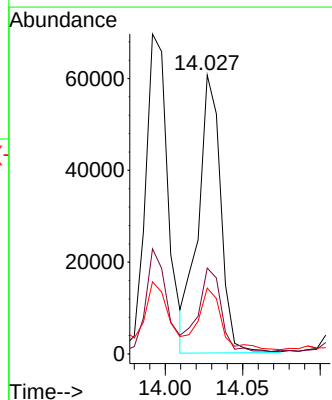
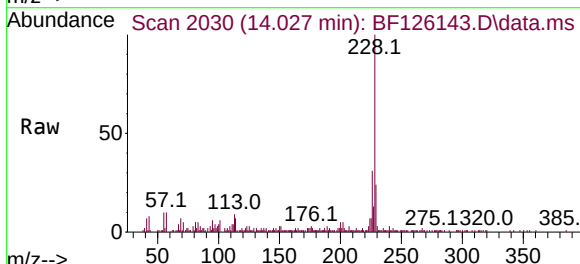
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20

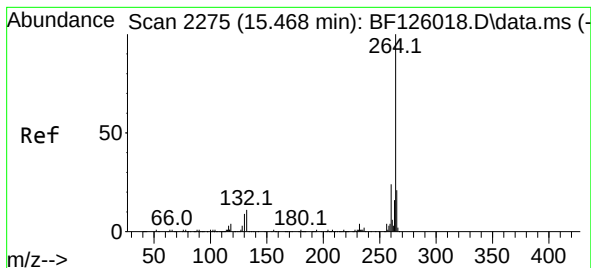
Tgt Ion:228 Resp: 72379
Ion Ratio Lower Upper
228 100
226 32.8 21.6 32.4#
229 22.5 15.6 23.4



#83
Chrysene
Concen: 2.453 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion:228 Resp: 61507
Ion Ratio Lower Upper
228 100
226 30.8 22.6 34.0
229 23.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF126143.D

Acq: 12 Nov 2021 00:39

Instrument :

BNA_F

ClientSampleId :

VWE-B6-110521-10-20

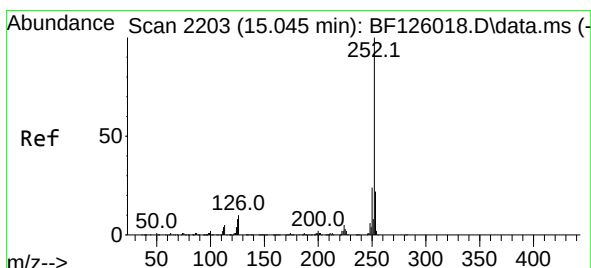
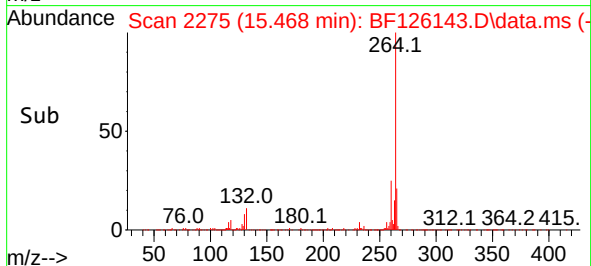
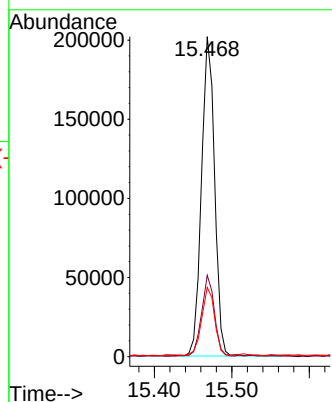
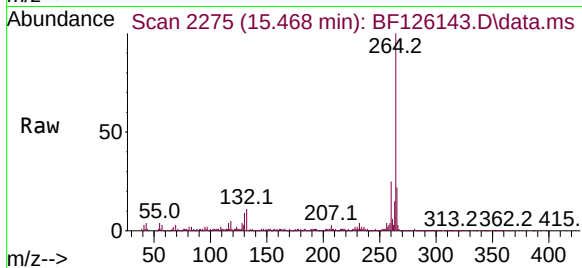
Tgt Ion:264 Resp: 237176

Ion Ratio Lower Upper

264 100

260 25.4 19.6 29.4

265 21.6 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 4.396 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.000 min

Lab File: BF126143.D

Acq: 12 Nov 2021 00:39

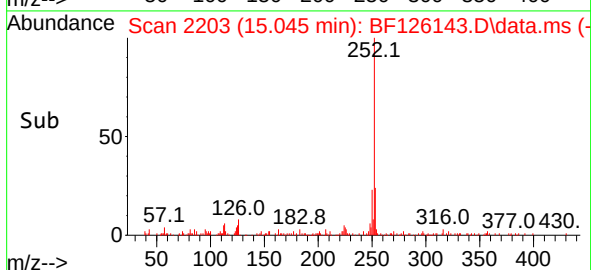
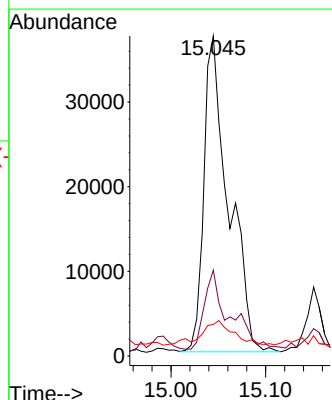
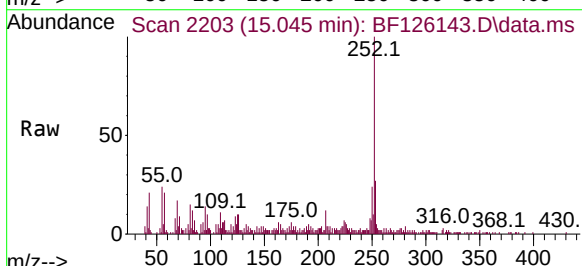
Tgt Ion:252 Resp: 67812

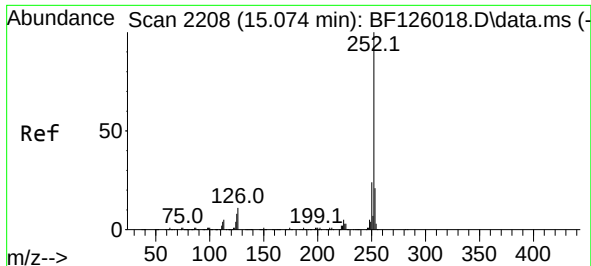
Ion Ratio Lower Upper

252 100

253 26.8 16.8 25.2#

125 9.8 9.8 14.8

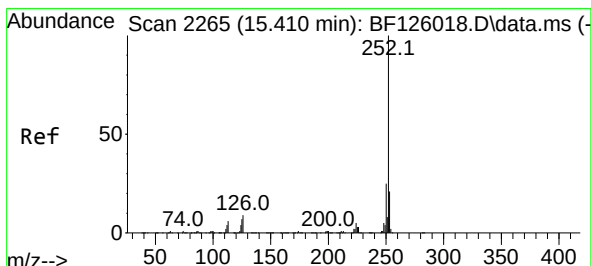
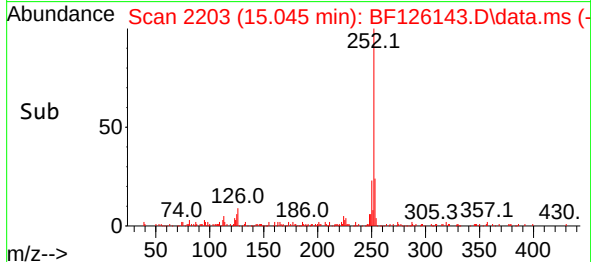
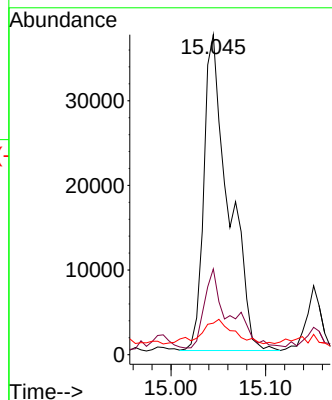
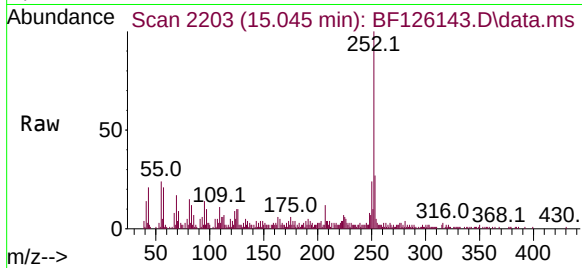




#89
Benzo(k)fluoranthene
Concen: 4.531 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

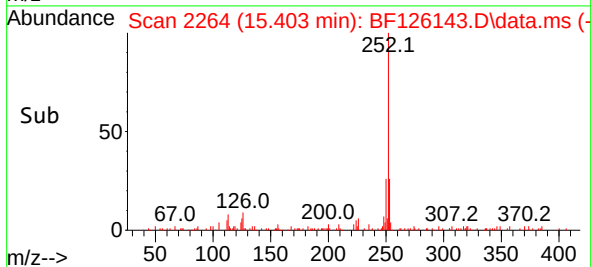
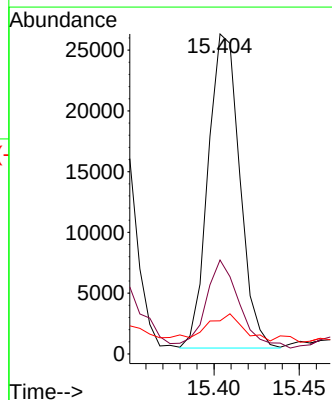
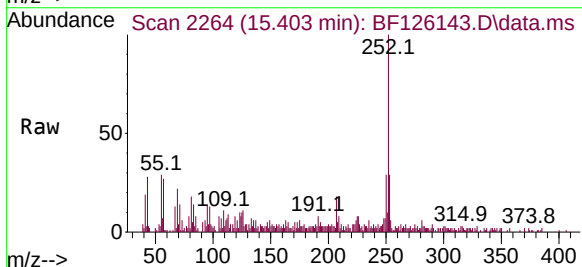
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20

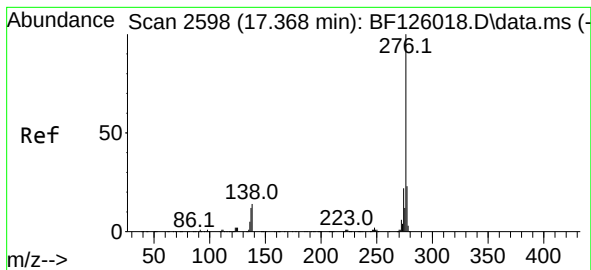
Tgt Ion:252 Resp: 67812
Ion Ratio Lower Upper
252 100
253 26.8 17.8 26.8#
125 9.8 7.2 10.8



#90
Benzo(a)pyrene
Concen: 2.750 ng
RT: 15.403 min Scan# 2264
Delta R.T. -0.007 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion:252 Resp: 33422
Ion Ratio Lower Upper
252 100
253 29.4 18.4 27.6#
125 10.4 9.9 14.9





#92

Benzo(g,h,i)perylene

Concen: 2.365 ng

RT: 17.362 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126143.D

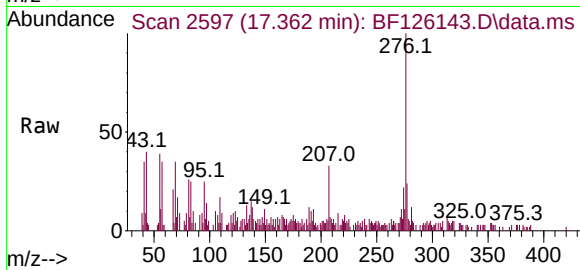
Acq: 12 Nov 2021 00:39

Instrument :

BNA_F

ClientSampleId :

VWE-B6-110521-10-20



Tgt Ion:276 Resp: 26151

Ion Ratio Lower Upper

276 100

277 24.2 22.0 33.0

138 12.1 22.2 33.4#

