

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110921\
 Data File : BF126093.D
 Acq On : 9 Nov 2021 21:30
 Operator : JU/CG
 Sample : M4582-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VWE-B10-110621-10-20

Quant Time: Nov 10 10:04:32 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)

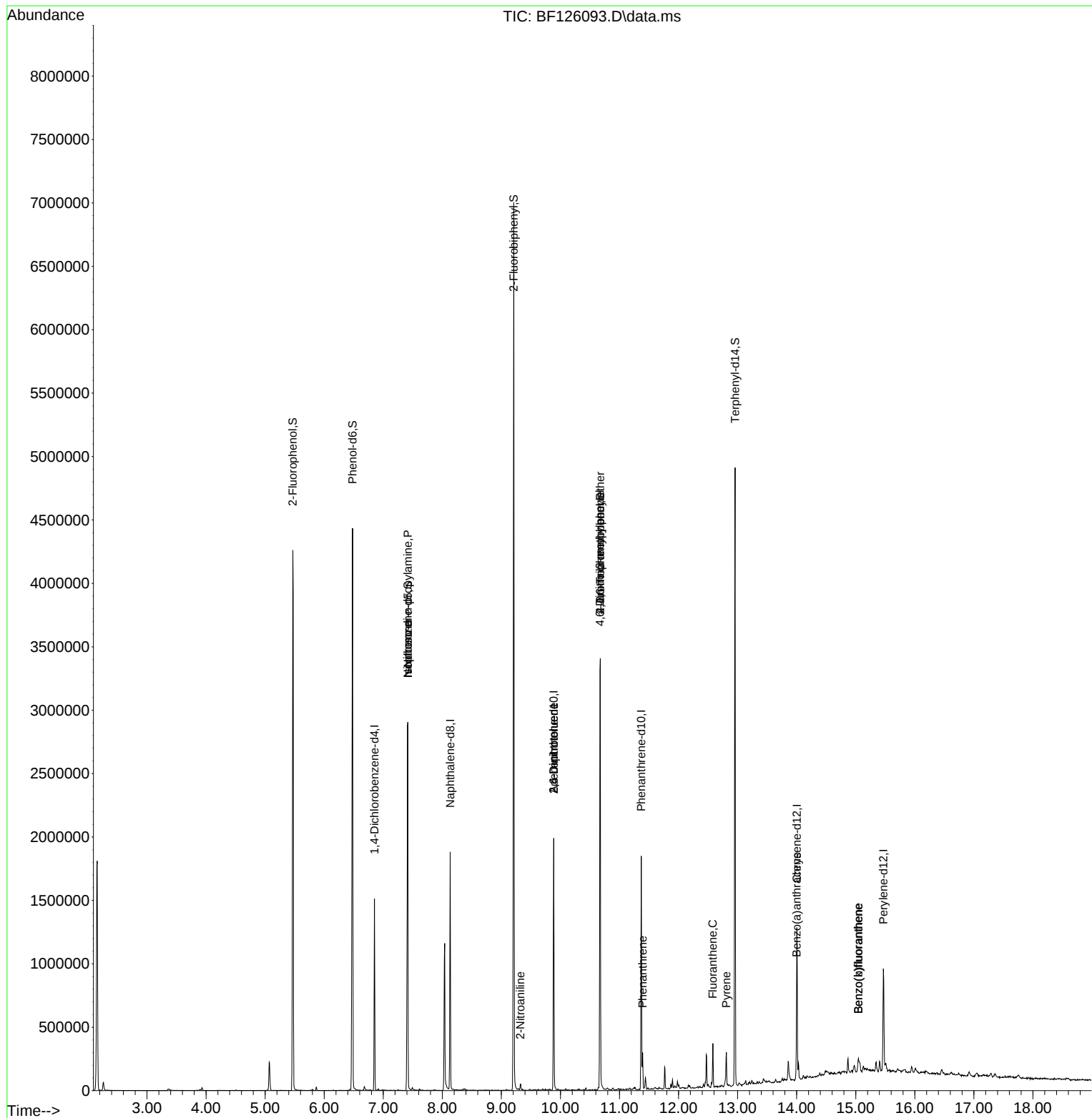
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	178969	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	661600	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	376408	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	605125	20.000	ng	0.00
76) Chrysene-d12	14.004	240	377813	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	376664	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1021978	98.063	ng	0.00
7) Phenol-d6	6.481	99	1308575	89.072	ng	0.00
23) Nitrobenzene-d5	7.416	82	977268	69.662	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	390006	90.412	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1886153	67.716	ng	0.00
79) Terphenyl-d14	12.957	244	1511616	64.517	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	122	Below Cal	#	42
19) n-Nitroso-di-n-propyla...	7.416	70	140073	14.463	ng	# 59
25) Isophorone	7.416	82	970694	38.431	ng	# 59
48) 2-Nitroaniline	9.322	65	770	2.946	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	48055	10.230	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	48055	9.799	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.669	198	1376	8.707	ng	# 1
67) 4-Bromophenyl-phenylether	10.674	248	25575	3.489	ng	# 1
71) Phenanthrene	11.392	178	89248	2.720	ng	100
75) Fluoranthene	12.580	202	125591	3.437	ng	93
78) Pyrene	12.810	202	106360	3.510	ng	94
81) Benzo(a)anthracene	13.998	228	52466	2.021	ng	98
88) Benzo(b)fluoranthene	15.045	252	73064	2.982	ng	# 95
89) Benzo(k)fluoranthene	15.045	252	73064	3.074	ng	99

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

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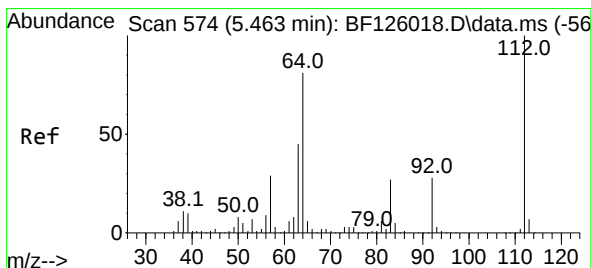
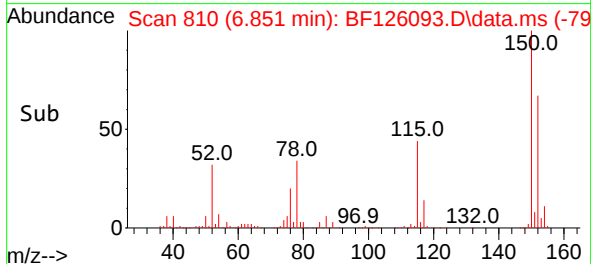
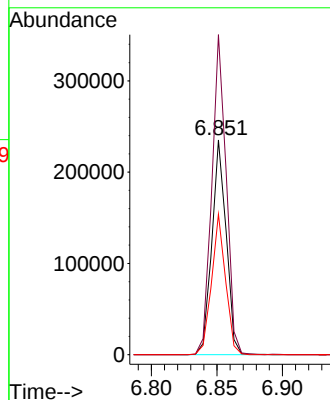
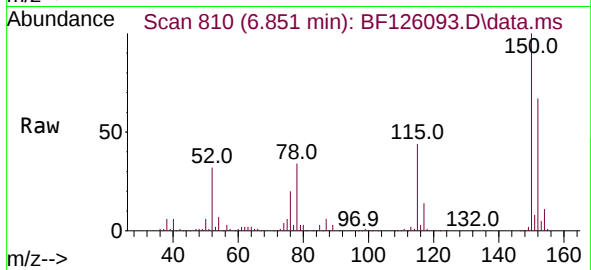




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

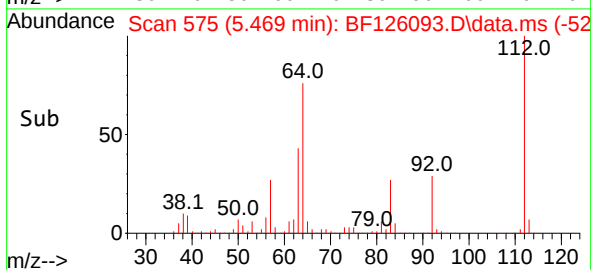
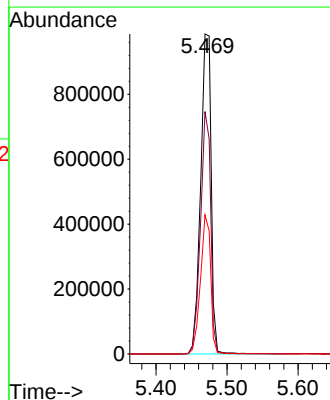
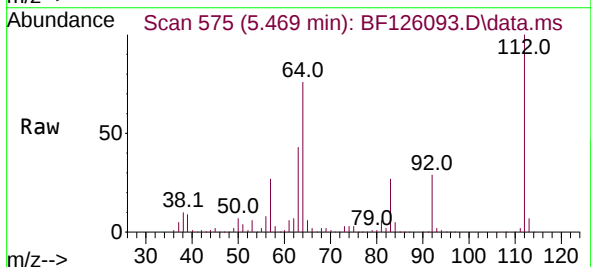
Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-10-20

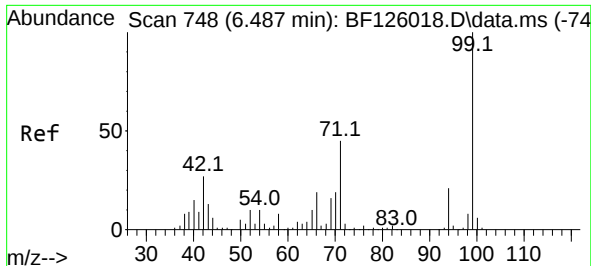
Tgt Ion:152 Resp: 178969
Ion Ratio Lower Upper
152 100
150 149.0 117.6 176.4
115 65.5 47.1 70.7



#5
2-Fluorophenol
Concen: 98.063 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

Tgt Ion:112 Resp: 1021978
Ion Ratio Lower Upper
112 100
64 75.7 44.2 66.2#
63 43.4 26.2 39.2#

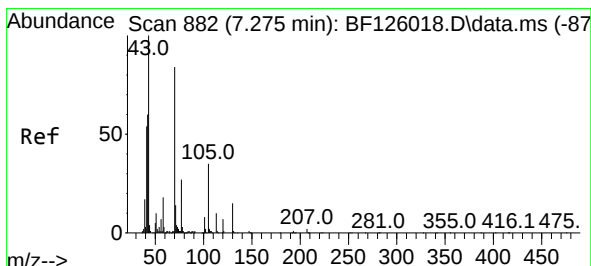
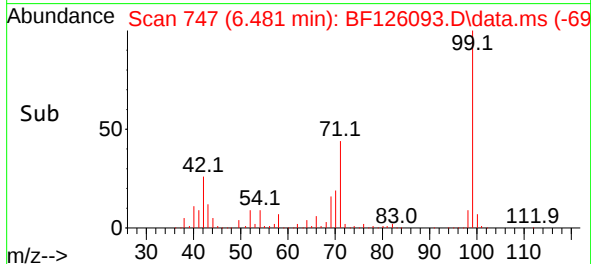
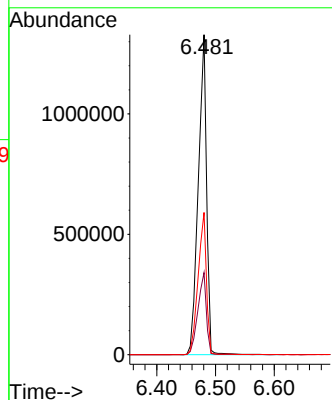
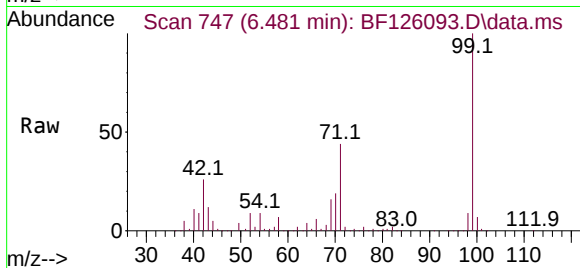




#7
Phenol-d6
Concen: 89.072 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

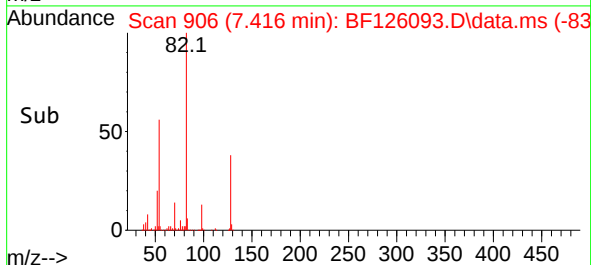
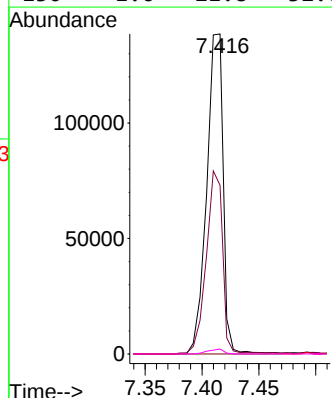
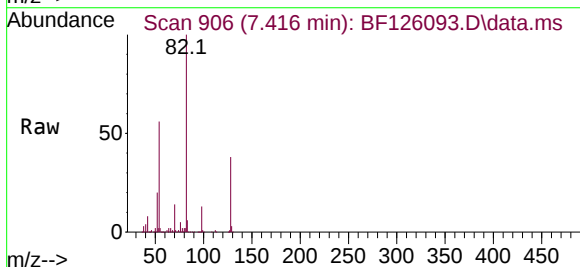
Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-10-20

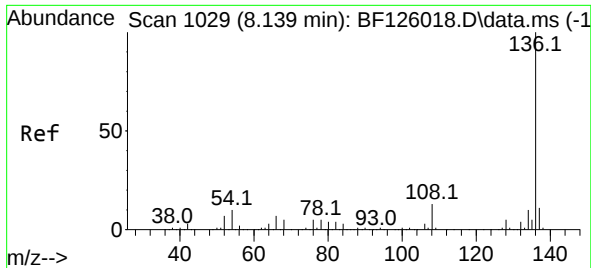
Tgt Ion: 99 Resp: 1308575
Ion Ratio Lower Upper
99 100
42 25.6 23.5 35.3
71 44.5 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 14.463 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

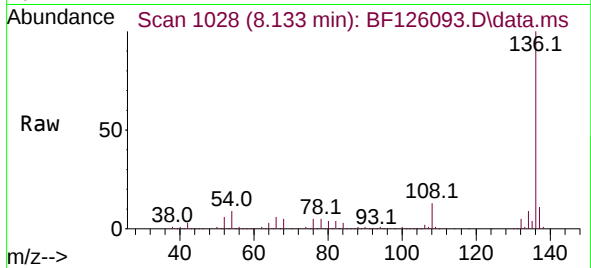
Tgt Ion: 70 Resp: 140073
Ion Ratio Lower Upper
70 100
42 52.7 72.2 108.2#
101 0.0 7.8 11.8#
130 1.6 21.8 32.6#



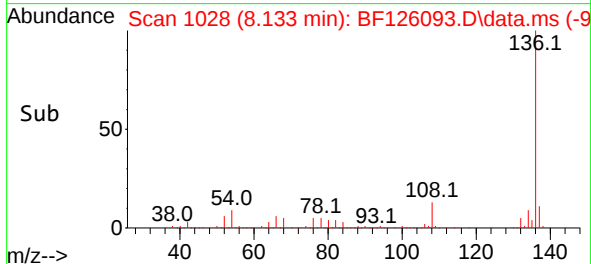
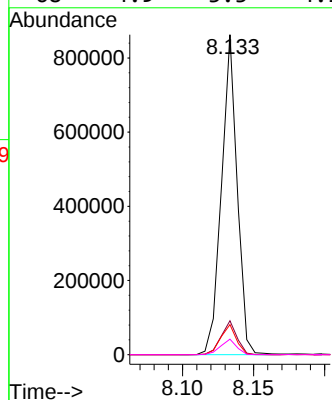


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-10-20

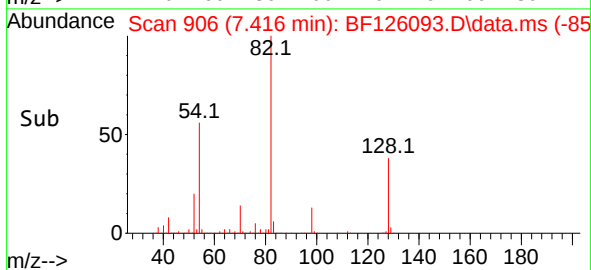
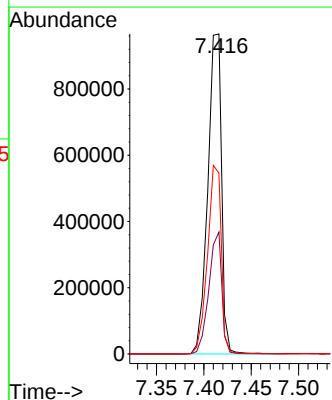
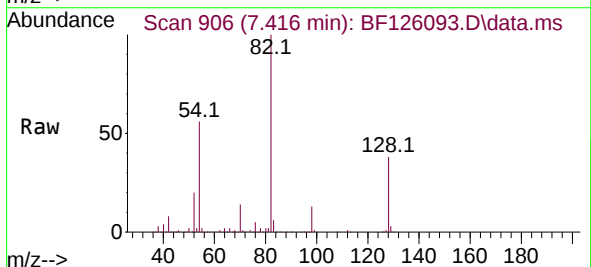


Tgt Ion:136 Resp: 661600
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.6
54 9.4 6.4 9.6
68 4.9 3.3 4.9



#23
Nitrobenzene-d5
Concen: 69.662 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

Tgt Ion: 82 Resp: 977268
Ion Ratio Lower Upper
82 100
128 38.1 40.6 60.8#
54 56.5 49.6 74.4

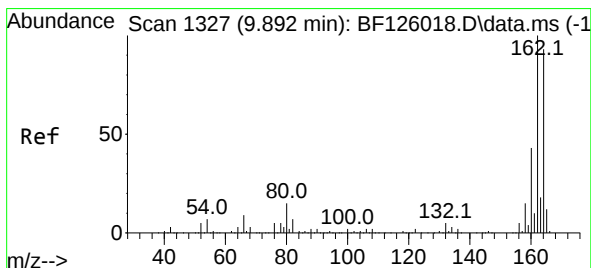
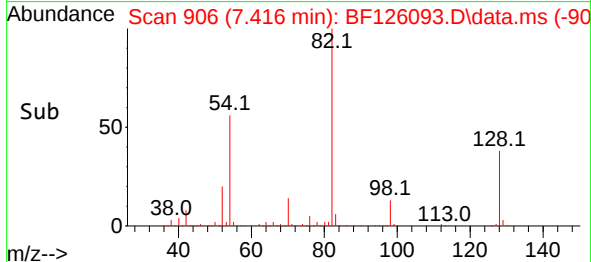
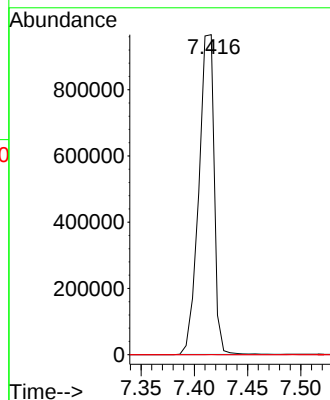
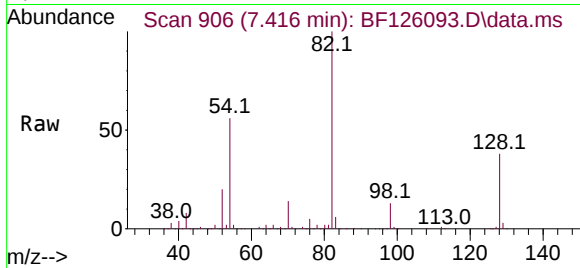




#25
Isophorone
Concen: 38.431 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

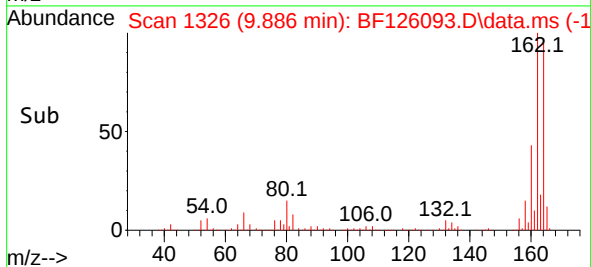
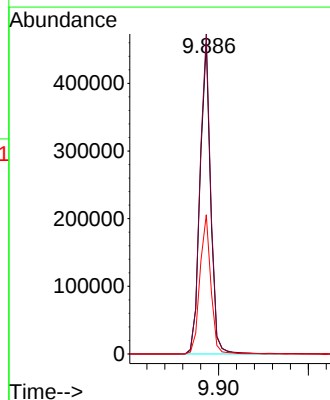
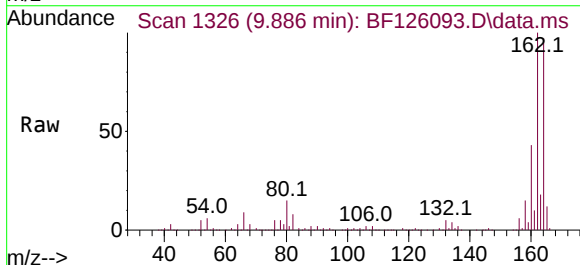
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ClientSampleId :
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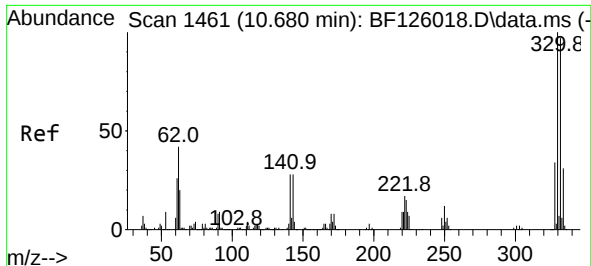
Tgt Ion: 82 Resp: 970694
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

Tgt Ion:164 Resp: 376408
Ion Ratio Lower Upper
164 100
162 103.1 81.3 121.9
160 44.8 38.0 57.0

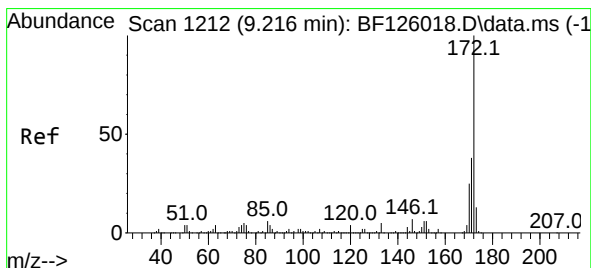
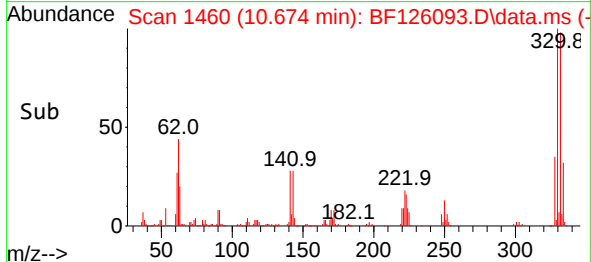
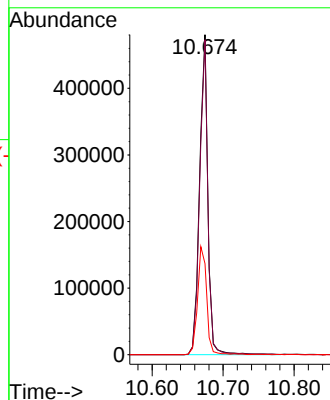
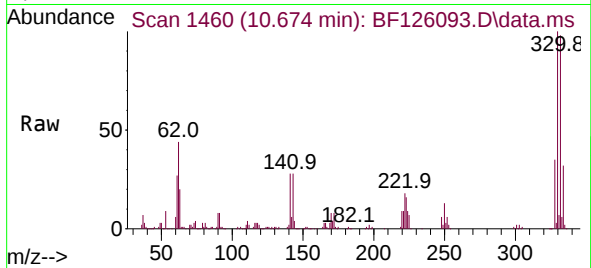




#42
2,4,6-Tribromophenol
Concen: 90.412 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

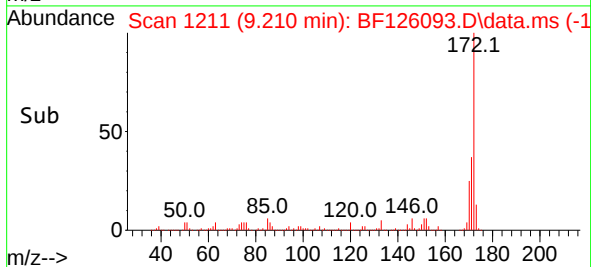
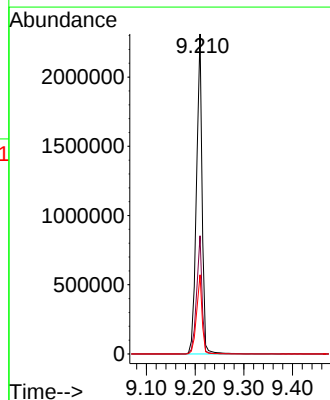
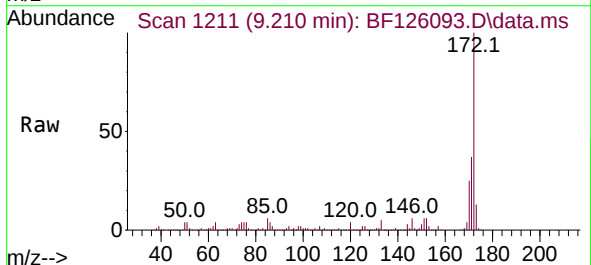
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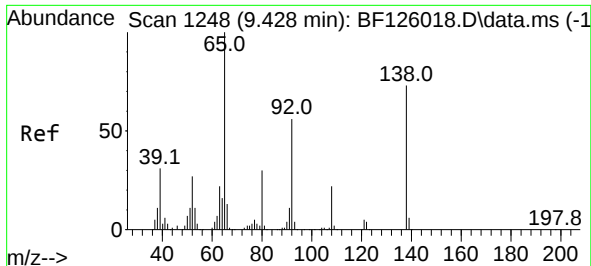
Tgt Ion:330 Resp: 390006
Ion Ratio Lower Upper
330 100
332 97.0 76.2 114.4
141 37.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 67.716 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

Tgt Ion:172 Resp: 1886153
Ion Ratio Lower Upper
172 100
171 37.0 26.5 39.7
170 24.7 18.8 28.2

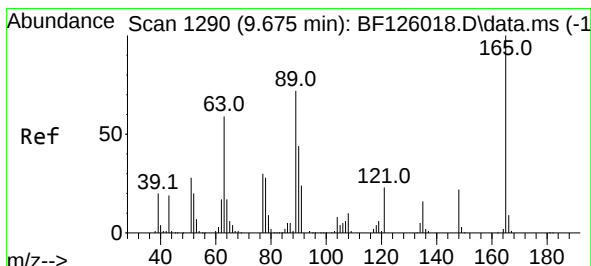
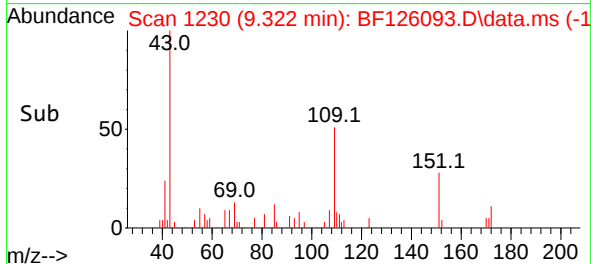
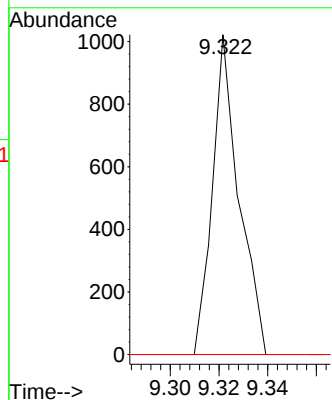
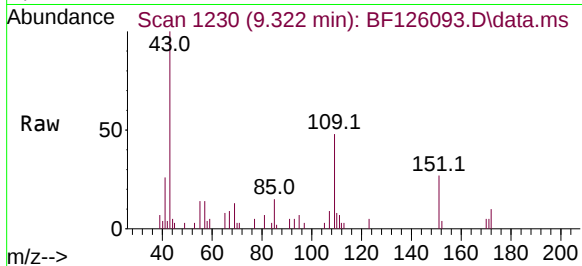




#48
2-Nitroaniline
Concen: 2.946 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.106 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

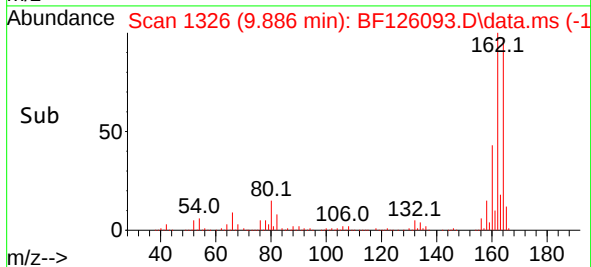
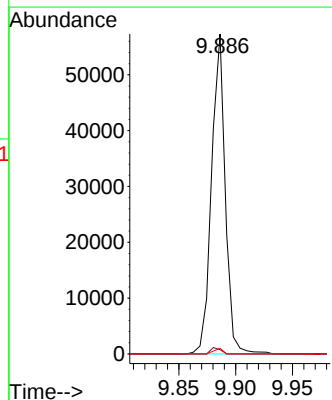
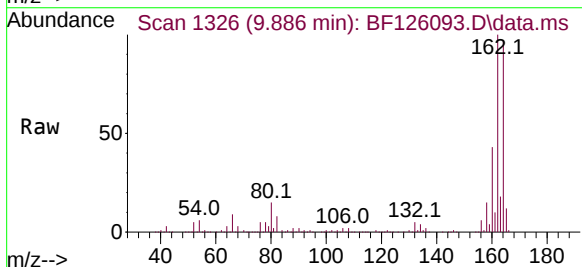
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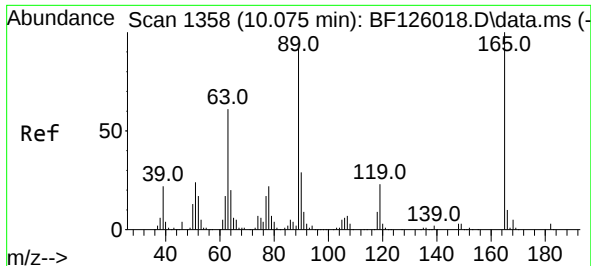
Tgt Ion: 65 Resp: 770
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 10.230 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.211 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

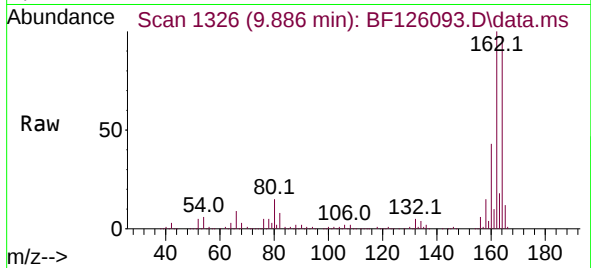
Tgt Ion:165 Resp: 48055
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.7 40.6 60.8#



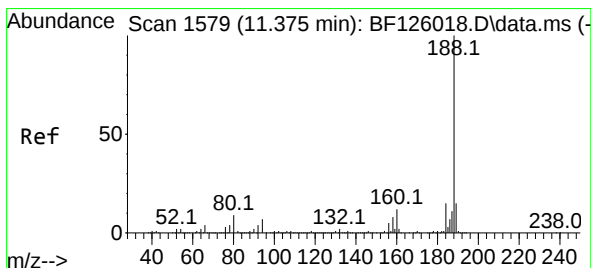
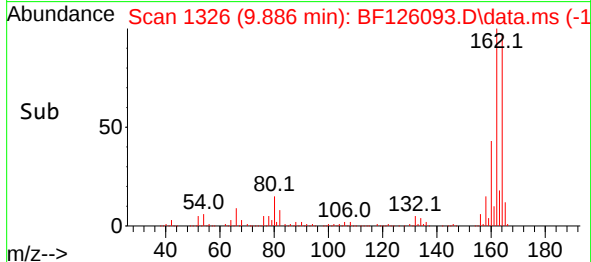
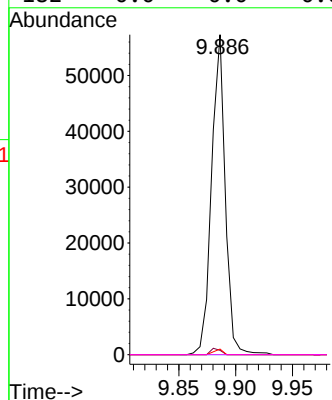


#57
2,4-Dinitrotoluene
Concen: 9.799 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-10-20

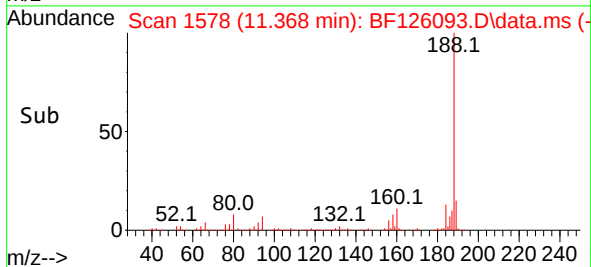
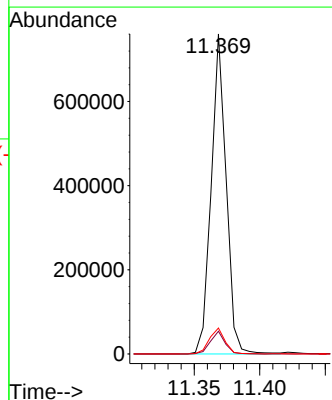
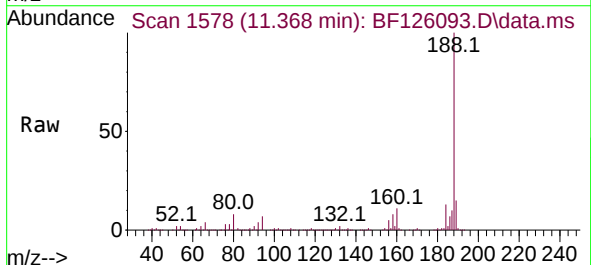


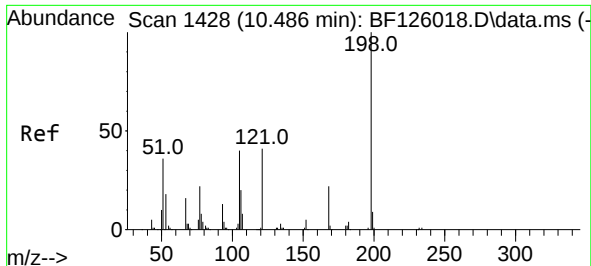
Tgt Ion:165 Resp: 48055
Ion Ratio Lower Upper
165 100
63 1.3 40.9 61.3#
89 1.7 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.368 min Scan# 1578
Delta R.T. -0.007 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

Tgt Ion:188 Resp: 605125
Ion Ratio Lower Upper
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80 8.1 7.5 11.3

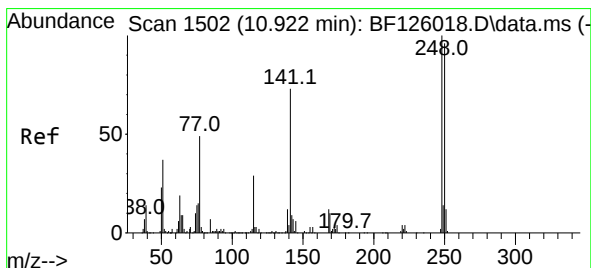
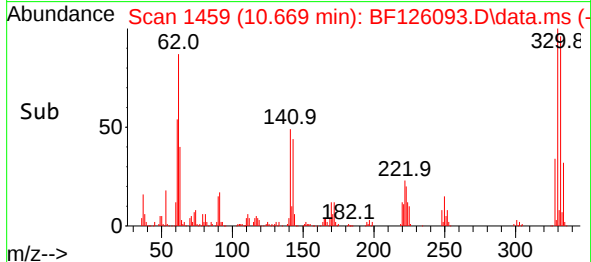
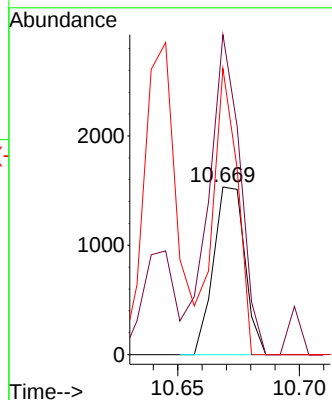
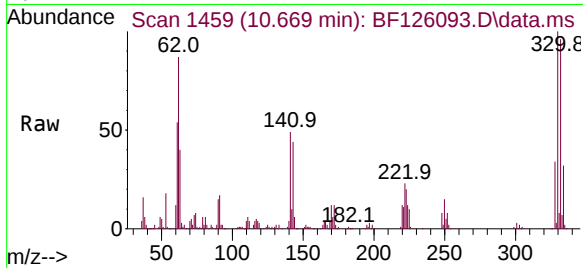




#65
4,6-Dinitro-2-methylphenol
Concen: 8.707 ng
RT: 10.669 min Scan# 1428
Delta R.T. 0.183 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

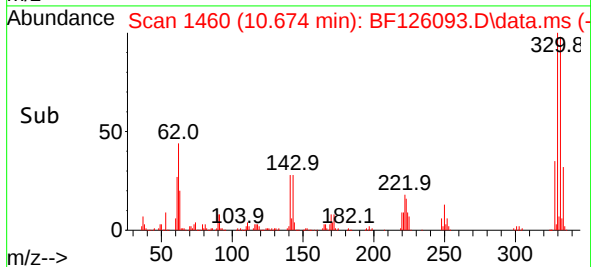
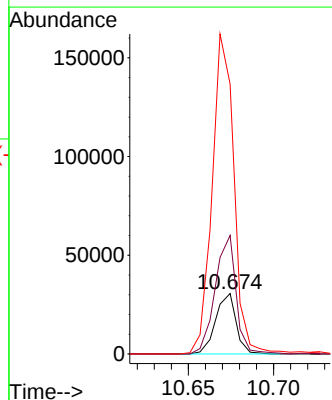
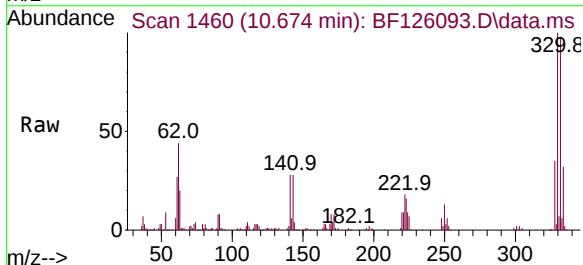
Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-10-20

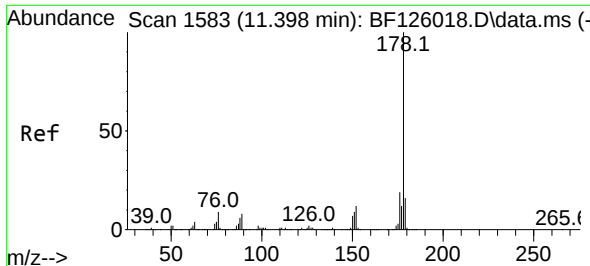
Tgt Ion:198 Resp: 1376
Ion Ratio Lower Upper
198 100
51 190.9 45.3 85.3#
105 170.8 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 3.489 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.248 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

Tgt Ion:248 Resp: 25575
Ion Ratio Lower Upper
248 100
250 196.2 74.2 111.4#
141 446.3 60.4 90.6#

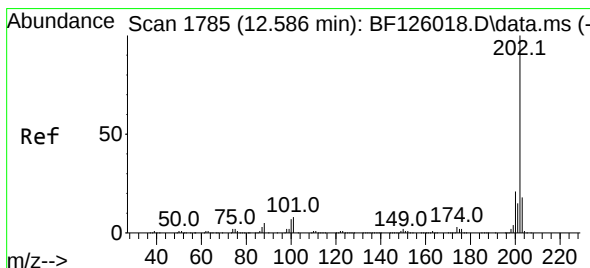
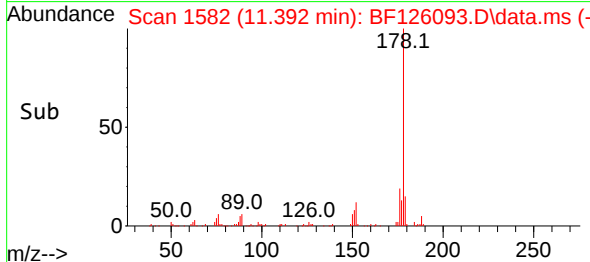
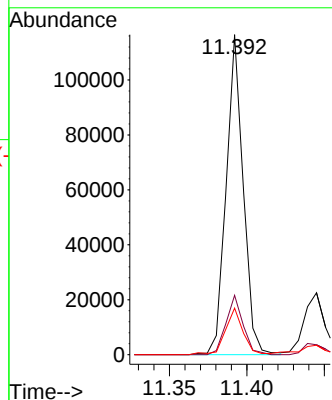
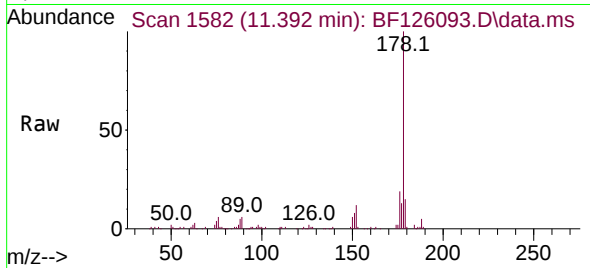




#71
Phenanthrene
Concen: 2.720 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

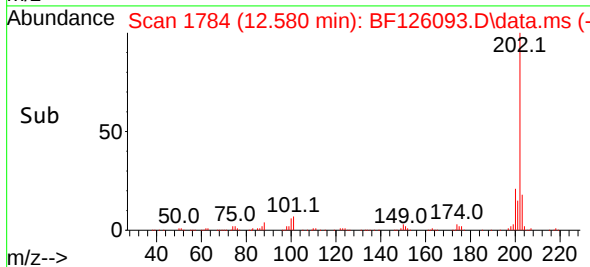
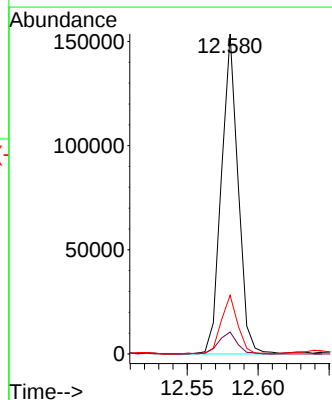
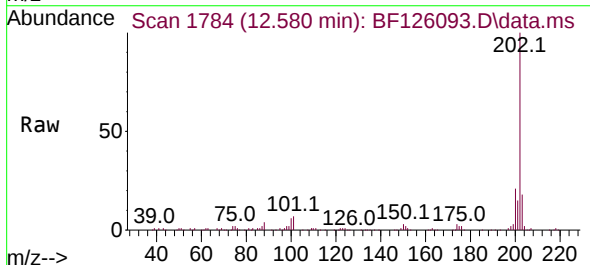
Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-10-20

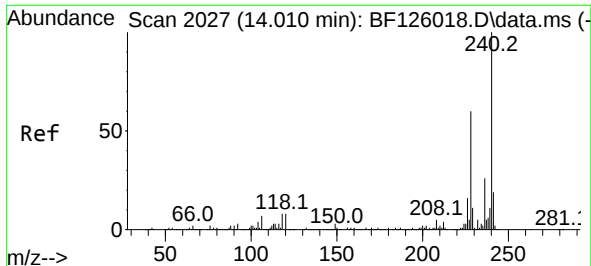
Tgt Ion:178 Resp: 89248
Ion Ratio Lower Upper
178 100
176 18.5 14.7 22.1
179 14.5 11.5 17.3



#75
Fluoranthene
Concen: 3.437 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

Tgt Ion:202 Resp: 125591
Ion Ratio Lower Upper
202 100
101 6.8 0.0 30.7
203 18.4 0.0 36.3

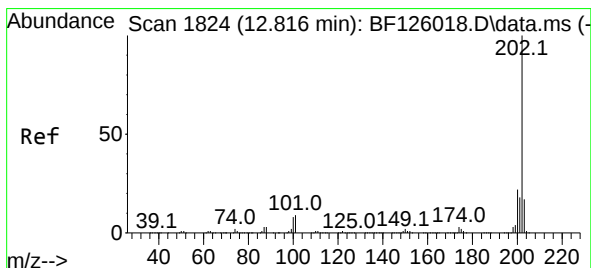
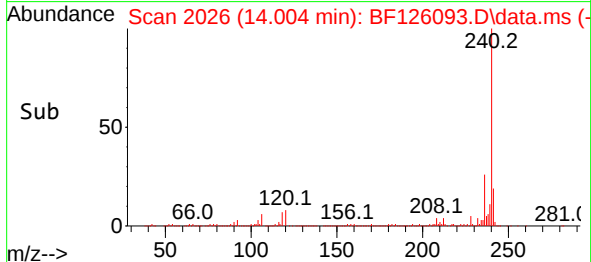
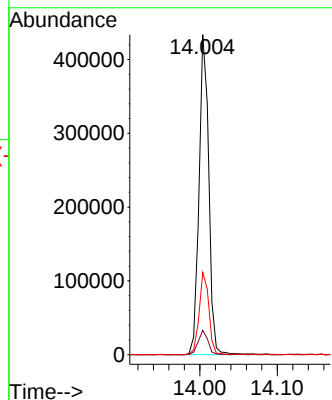
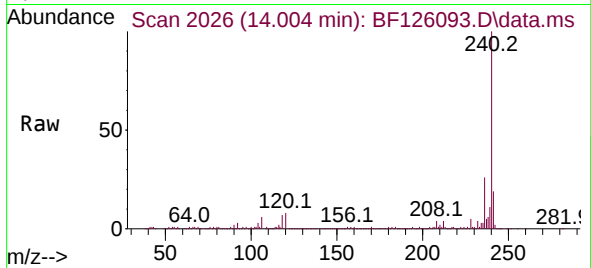




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

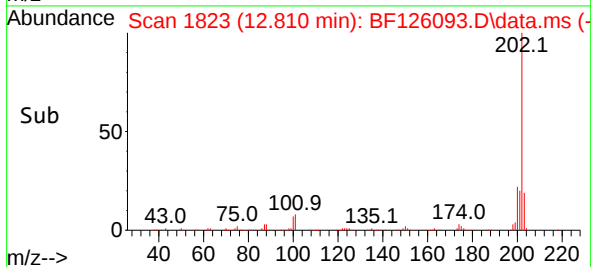
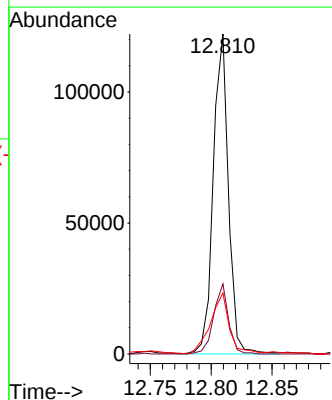
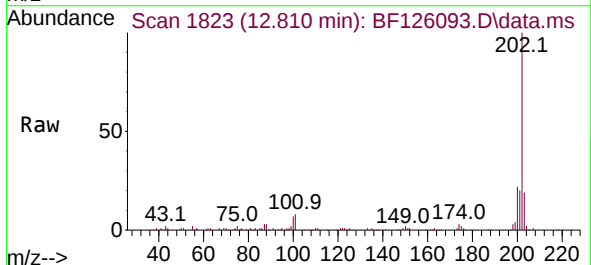
Instrument :
BNA_F
ClientSampleId :
VWE-B10-110621-10-20

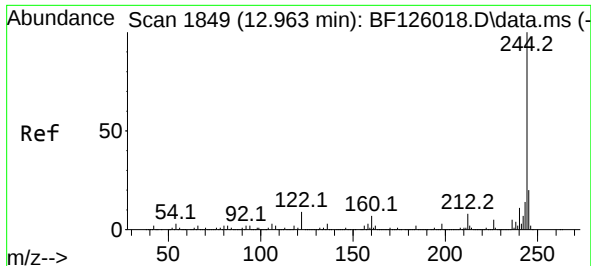
Tgt Ion:240 Resp: 377813
Ion Ratio Lower Upper
240 100
120 7.6 10.8 16.2#
236 25.7 21.6 32.4



#78
Pyrene
Concen: 3.510 ng
RT: 12.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF126093.D
Acq: 9 Nov 2021 21:30

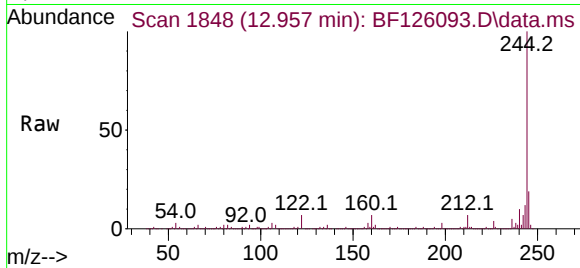
Tgt Ion:202 Resp: 106360
Ion Ratio Lower Upper
202 100
200 21.9 15.3 22.9
203 19.1 13.4 20.0



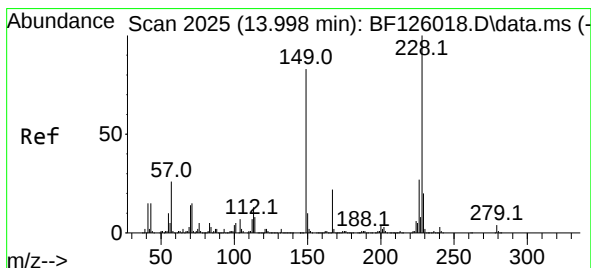
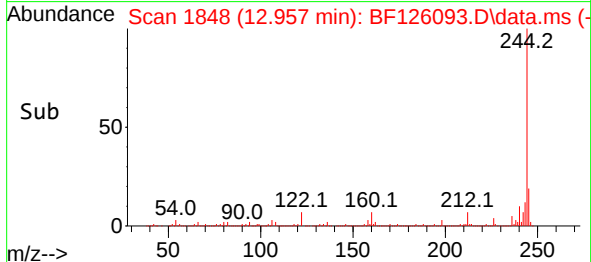
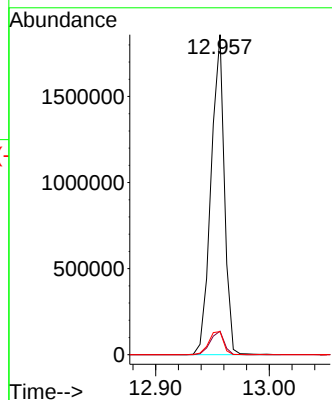


#79
 Terphenyl-d14
 Concen: 64.517 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126093.D
 Acq: 9 Nov 2021 21:30

Instrument :
 BNA_F
 ClientSampleId :
 VWE-B10-110621-10-20

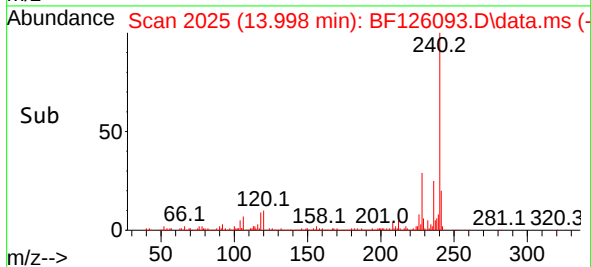
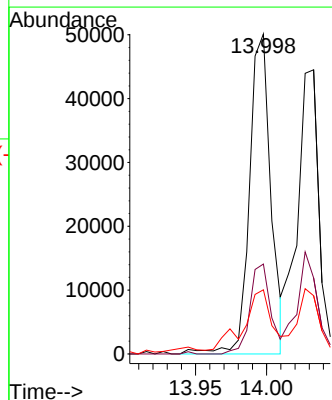
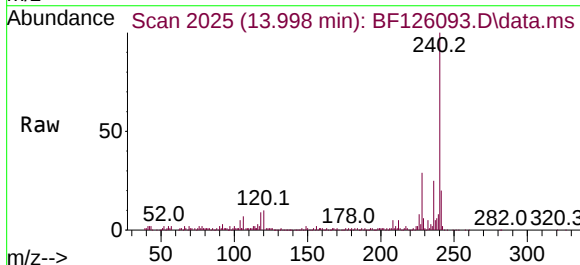


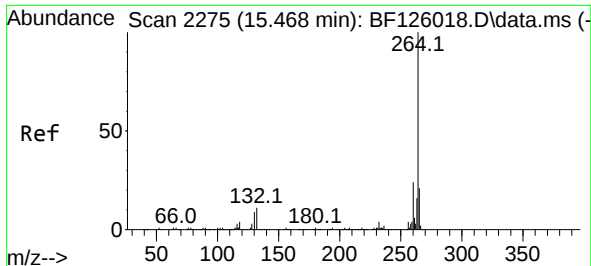
Tgt Ion:244 Resp: 1511616
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.9 8.9
 122 7.2 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 2.021 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: BF126093.D
 Acq: 9 Nov 2021 21:30

Tgt Ion:228 Resp: 52466
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.6 32.4
 229 20.1 15.6 23.4

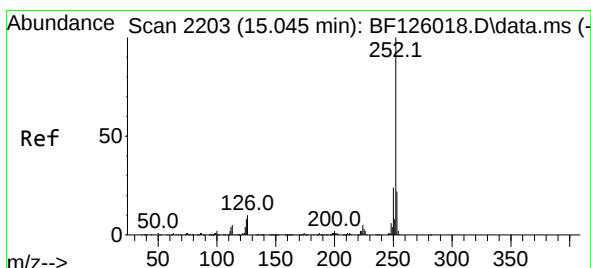
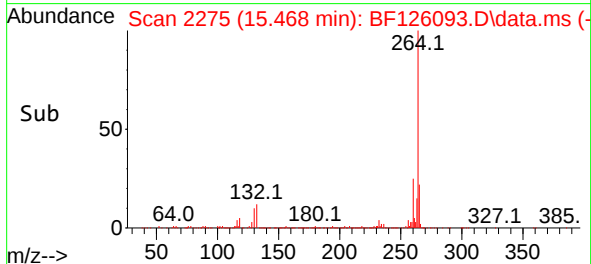
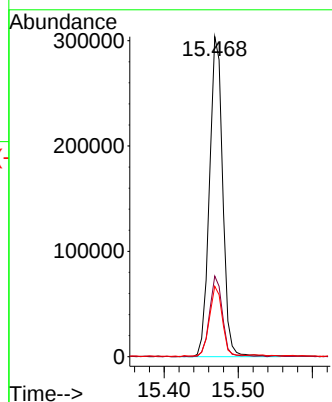
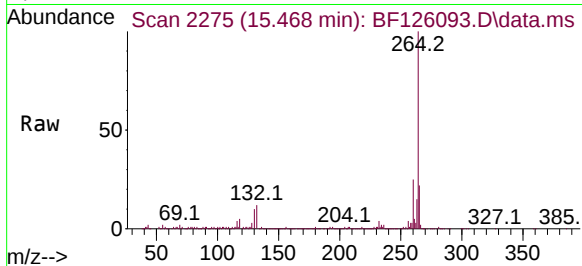




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF126093.D
 Acq: 9 Nov 2021 21:30

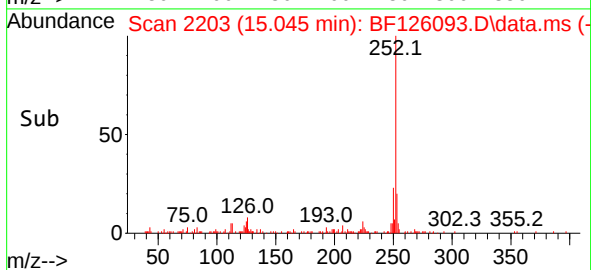
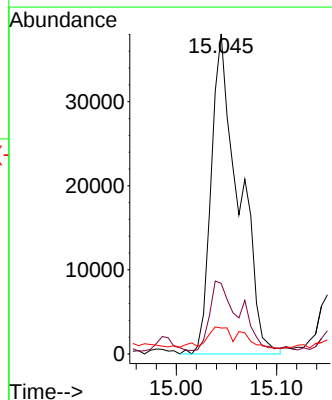
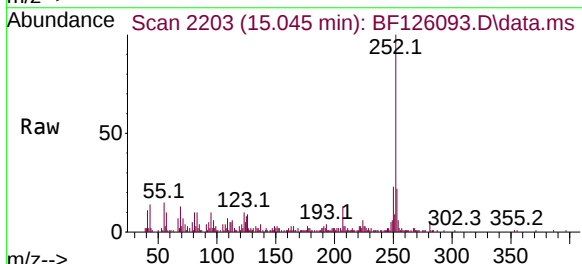
Instrument :
 BNA_F
 ClientSampleId :
 VWE-B10-110621-10-20

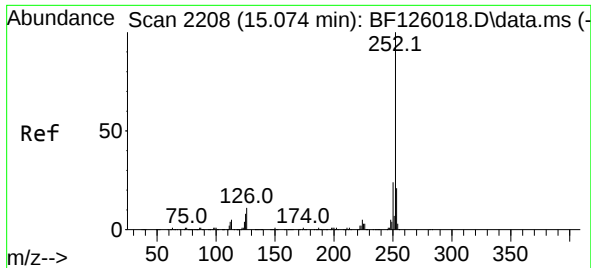
Tgt Ion:264 Resp: 376664
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.6 29.4
 265 22.0 17.2 25.8



#88
 Benzo(b)fluoranthene
 Concen: 2.982 ng
 RT: 15.045 min Scan# 2203
 Delta R.T. -0.000 min
 Lab File: BF126093.D
 Acq: 9 Nov 2021 21:30

Tgt Ion:252 Resp: 73064
 Ion Ratio Lower Upper
 252 100
 253 22.1 16.8 25.2
 125 8.1 9.8 14.8#





#89

Benzo(k)fluoranthene

Concen: 3.074 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF126093.D

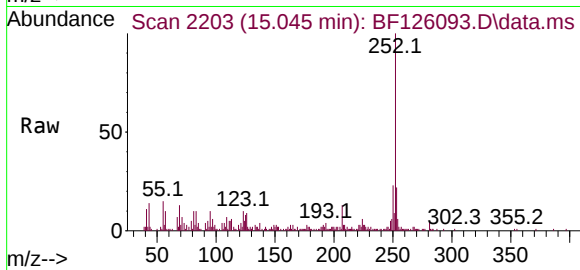
Acq: 9 Nov 2021 21:30

Instrument :

BNA_F

ClientSampleId :

VWE-B10-110621-10-20



Tgt Ion:252 Resp: 73064

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 8.1 7.2 10.8

