

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126103.D
 Acq On : 10 Nov 2021 12:44
 Operator : JU/CG
 Sample : M4541-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3-AS

Quant Time: Nov 10 14:24:17 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)

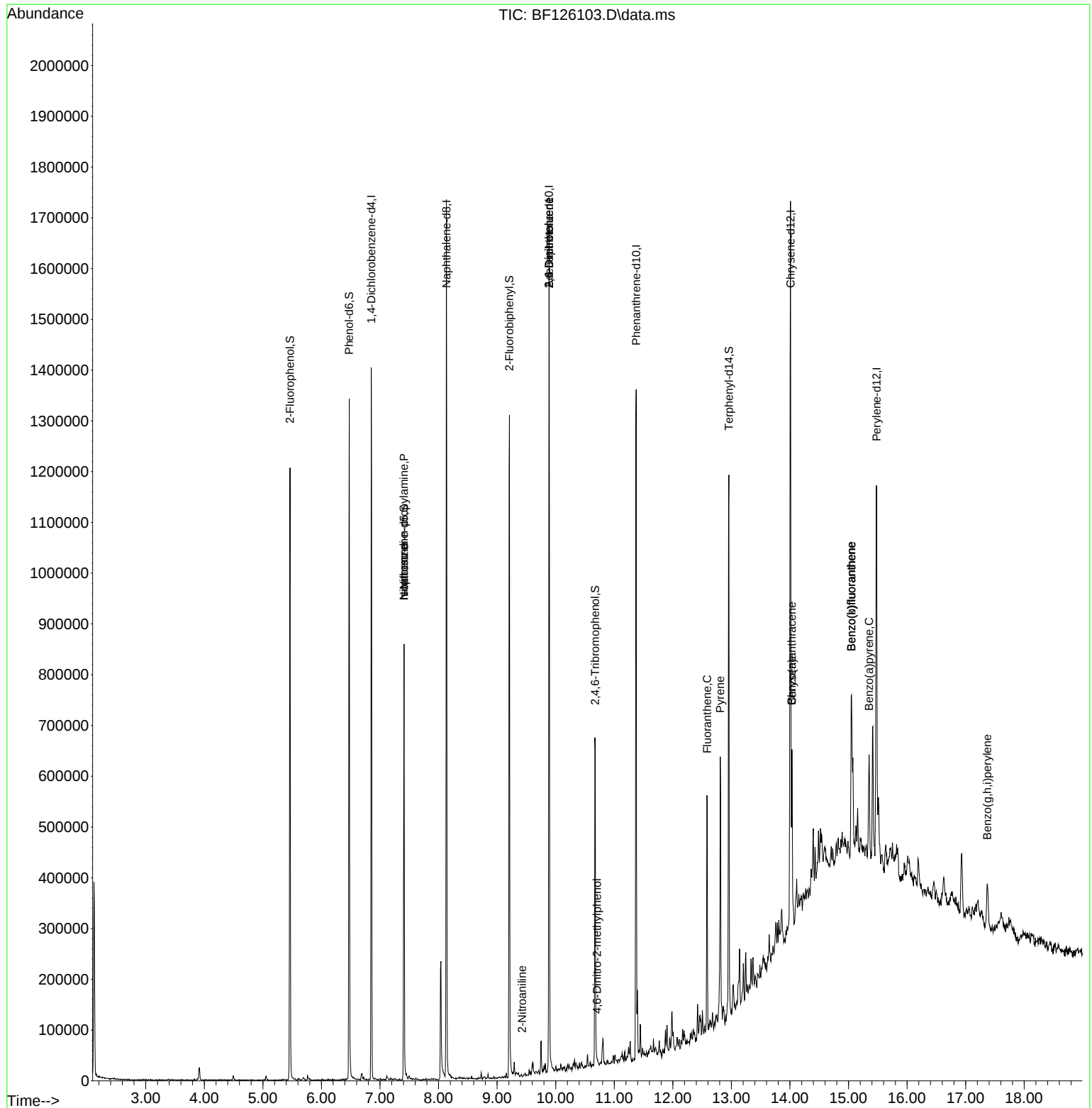
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	187202	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	634067	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	319680	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	502698	20.000	ng	# 0.00
76) Chrysene-d12	14.010	240	425577	20.000	ng	# 0.00
86) Perylene-d12	15.480	264	362744	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	255086	23.400	ng	0.00
7) Phenol-d6	6.475	99	333838	21.724	ng	-0.01
23) Nitrobenzene-d5	7.410	82	228071	16.963	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	75709	20.665	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	409797	17.323	ng	0.00
79) Terphenyl-d14	12.957	244	347860	13.181	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	121	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.410	70	32782	3.236	ng	# 62
25) Isophorone	7.410	82	228069	9.422	ng	# 59
48) 2-Nitroaniline	9.428	65	125	2.868	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	42257	10.593	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	42250	10.032	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.704	198	110	8.354	ng	# 1
75) Fluoranthene	12.586	202	196362	6.468	ng	95
78) Pyrene	12.810	202	213903	6.267	ng	97
81) Benzo(a)anthracene	14.033	228	136325	4.663	ng	95
83) Chrysene	14.033	228	136325	5.011	ng	97
88) Benzo(b)fluoranthene	15.051	252	243162	10.306	ng	# 88
89) Benzo(k)fluoranthene	15.051	252	243162	10.624	ng	93
90) Benzo(a)pyrene	15.351	252	85706	4.611	ng	96
92) Benzo(g,h,i)perylene	17.368	276	84115	4.973	ng	# 84

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

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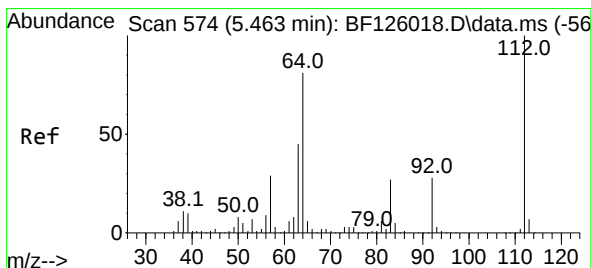
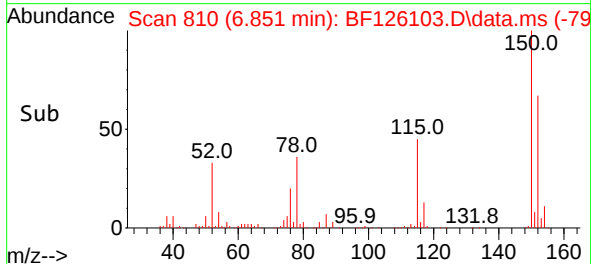
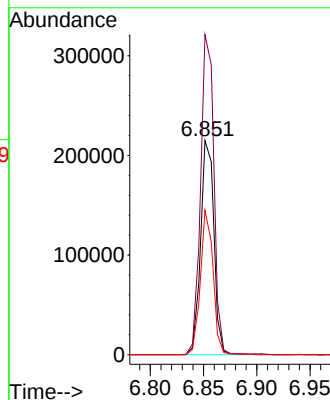
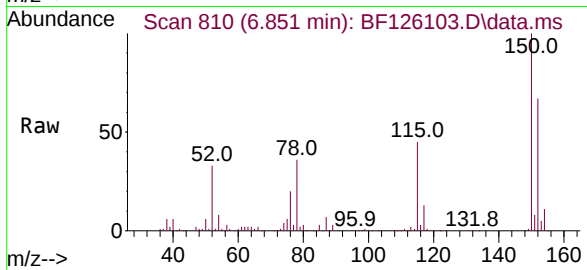




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

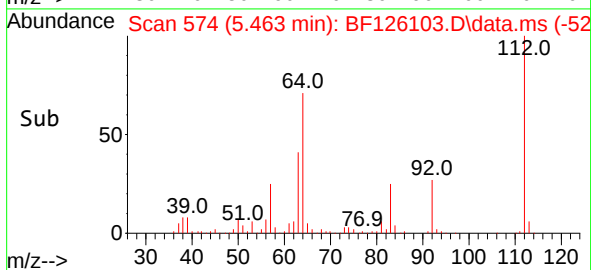
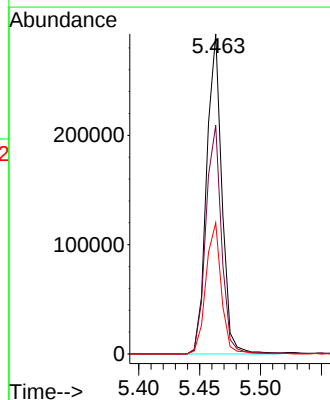
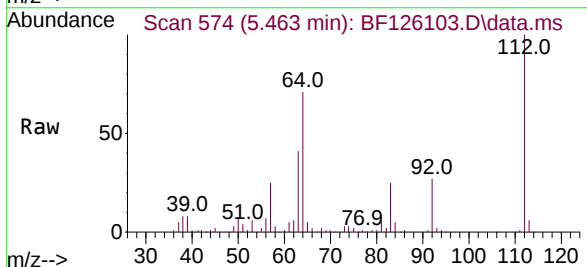
Instrument :
BNA_F
ClientSampleId :
WC-3-AS

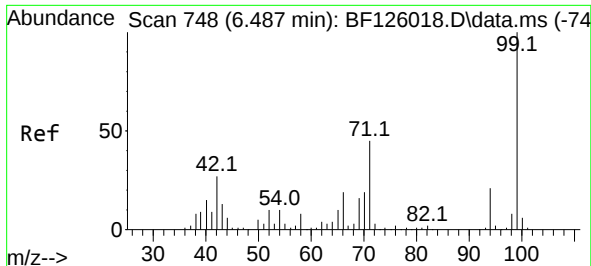
Tgt Ion:152 Resp: 187202
Ion Ratio Lower Upper
152 100
150 149.5 117.6 176.4
115 67.5 47.1 70.7



#5
2-Fluorophenol
Concen: 23.400 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

Tgt Ion:112 Resp: 255086
Ion Ratio Lower Upper
112 100
64 71.5 44.2 66.2#
63 41.0 26.2 39.2#

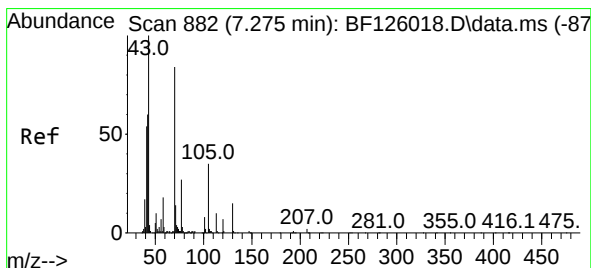
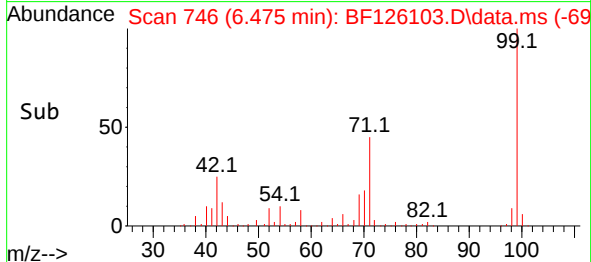
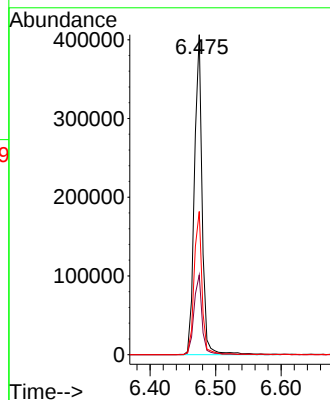
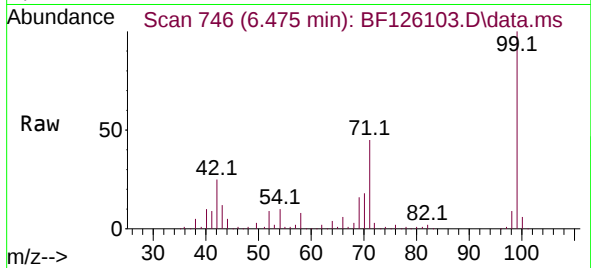




#7
Phenol-d6
Concen: 21.724 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

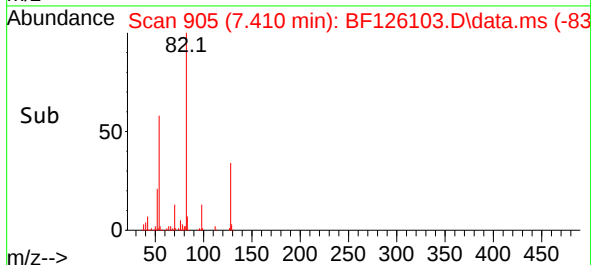
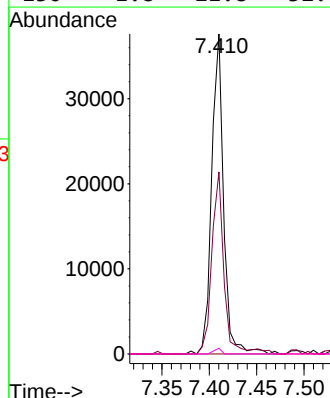
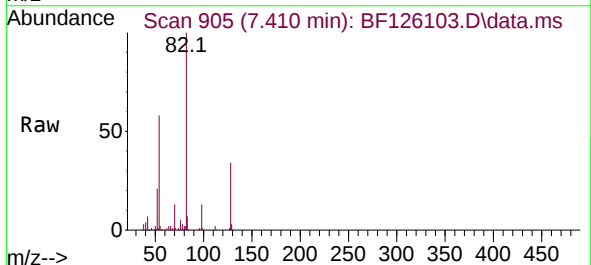
Instrument :
BNA_F
ClientSampleId :
WC-3-AS

Tgt Ion: 99 Resp: 333838
Ion Ratio Lower Upper
99 100
42 24.9 23.5 35.3
71 44.8 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 3.236 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.135 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

Tgt Ion: 70 Resp: 32782
Ion Ratio Lower Upper
70 100
42 56.9 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

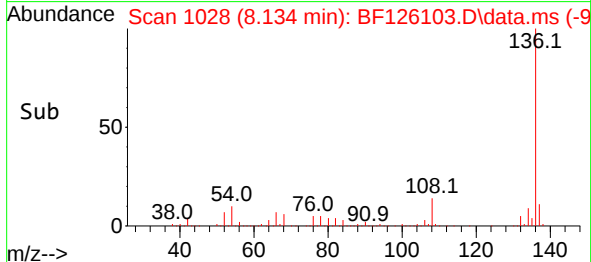
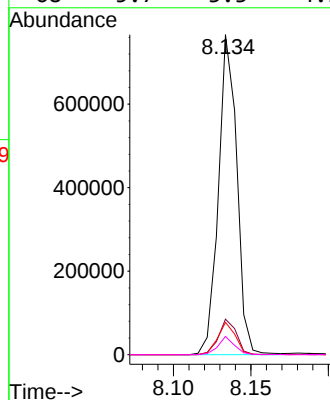
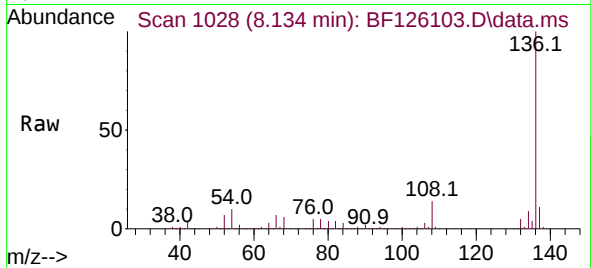




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

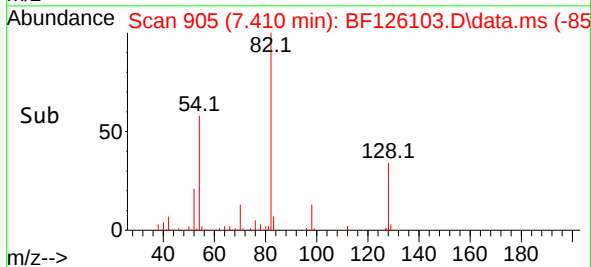
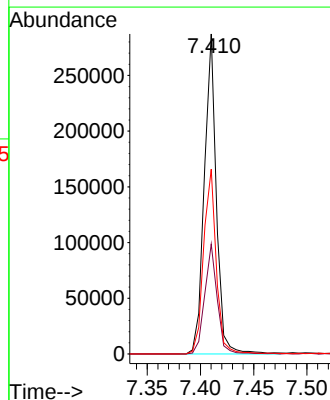
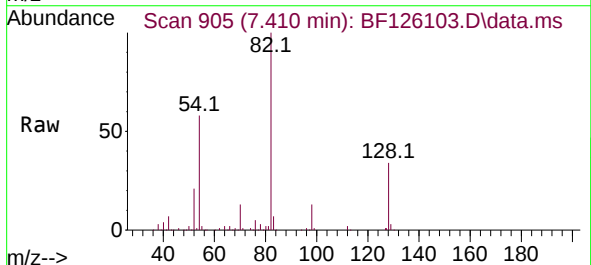
Instrument :
BNA_F
ClientSampleId :
WC-3-AS

Tgt	Ion:136	Resp:	634067
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.8	14.6
54	10.1	6.4	9.6#
68	5.7	3.3	4.9#



#23
Nitrobenzene-d5
Concen: 16.963 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.012 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

Tgt Ion: 82	Resp: 228071
Ion Ratio	Lower Upper
82 100	
128 34.3	40.6 60.8#
54 57.7	49.6 74.4

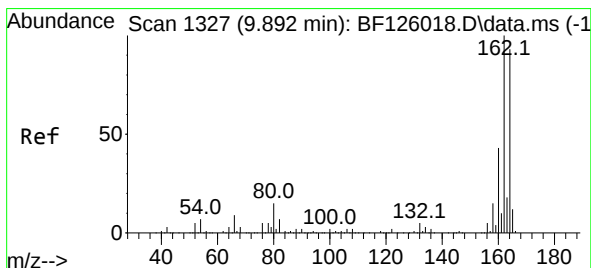
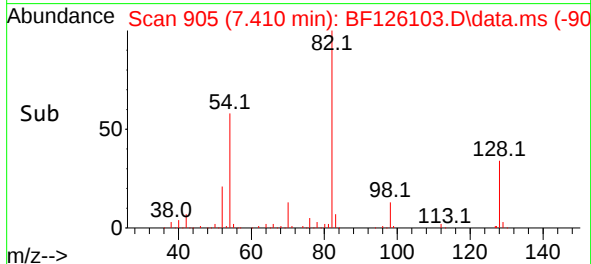
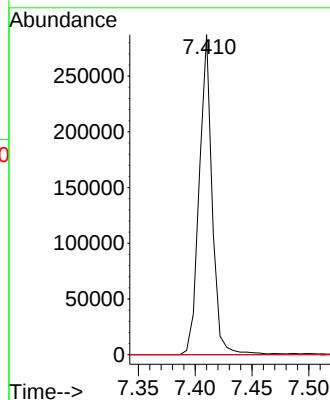
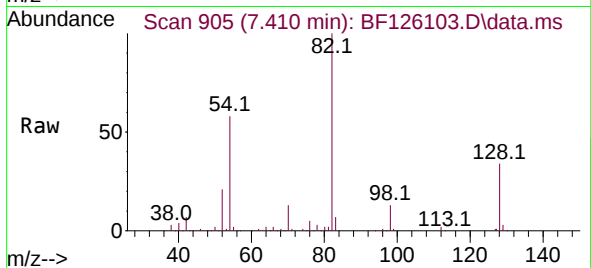




#25
Isophorone
Concen: 9.422 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

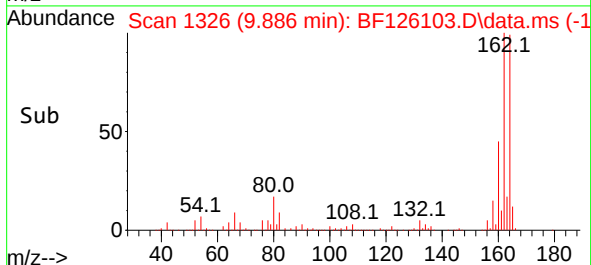
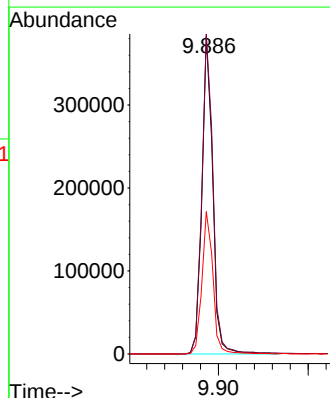
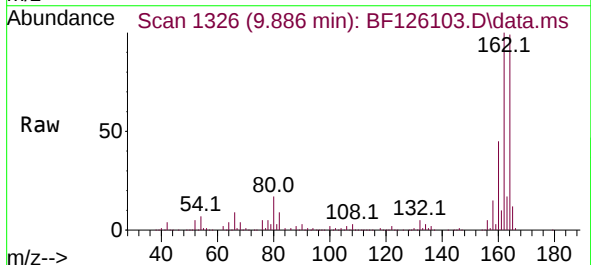
Instrument :
BNA_F
ClientSampleId :
WC-3-AS

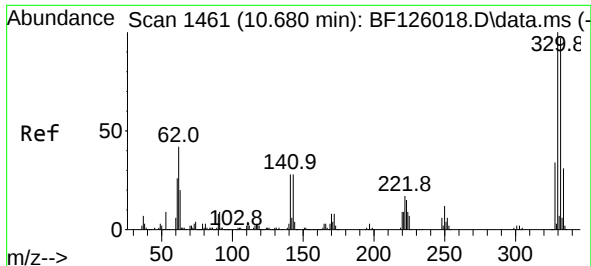
Tgt Ion: 82 Resp: 228069
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

Tgt Ion:164 Resp: 319680
Ion Ratio Lower Upper
164 100
162 100.7 81.3 121.9
160 44.8 38.0 57.0





#42

2,4,6-Tribromophenol

Concen: 20.665 ng

RT: 10.675 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

Instrument :

BNA_F

ClientSampleId :

WC-3-AS

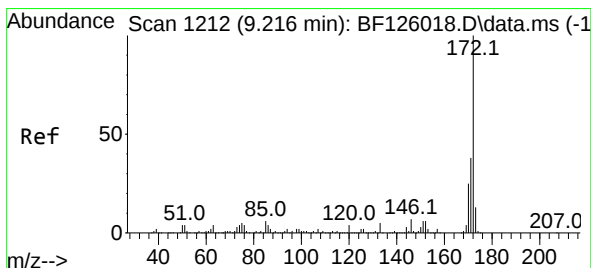
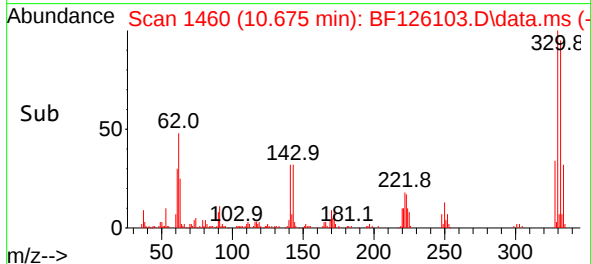
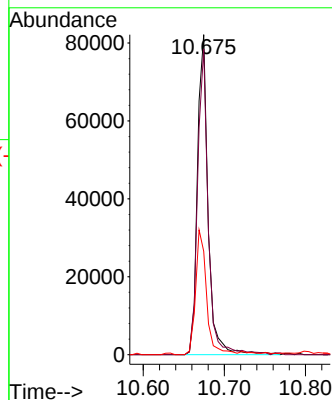
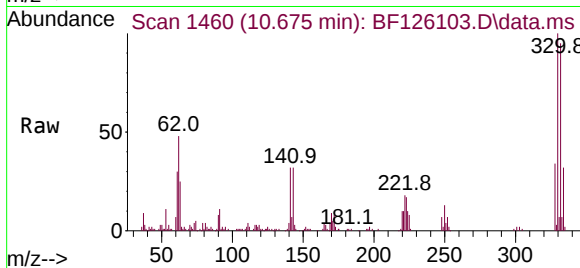
Tgt Ion:330 Resp: 75709

Ion Ratio Lower Upper

330 100

332 94.9 76.2 114.4

141 39.6 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 17.323 ng

RT: 9.210 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

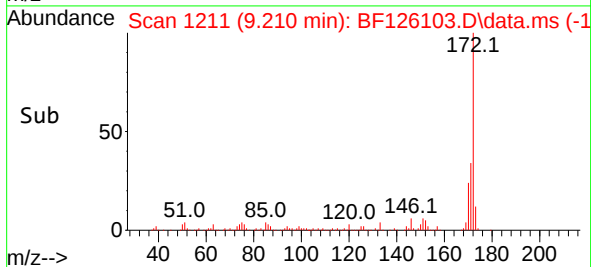
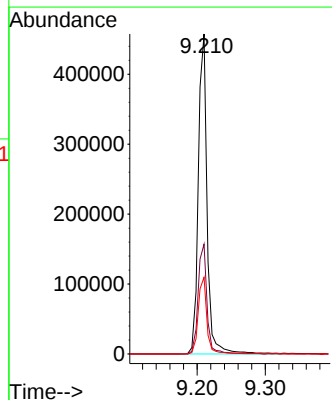
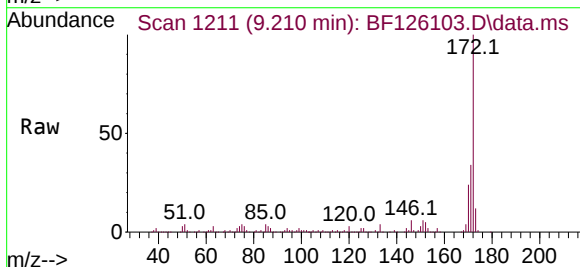
Tgt Ion:172 Resp: 409797

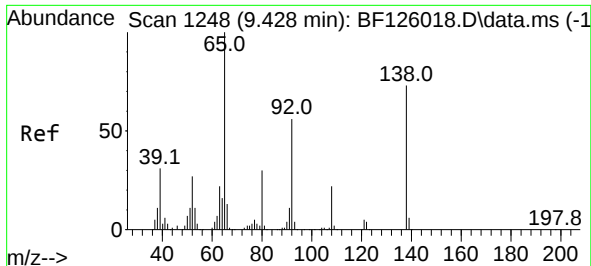
Ion Ratio Lower Upper

172 100

171 34.3 26.5 39.7

170 23.9 18.8 28.2





#48

2-Nitroaniline

Concen: 2.868 ng

RT: 9.428 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

Instrument :

BNA_F

ClientSampleId :

WC-3-AS

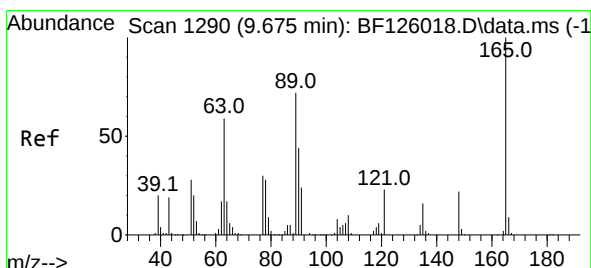
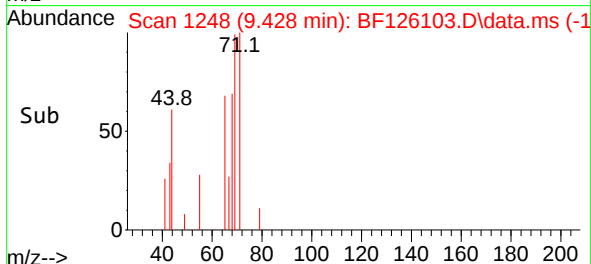
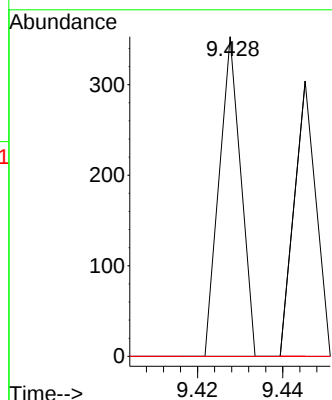
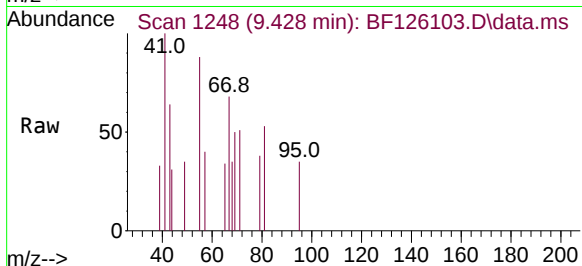
Tgt Ion: 65 Resp: 125

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: 10.593 ng

RT: 9.886 min Scan# 1326

Delta R.T. 0.211 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

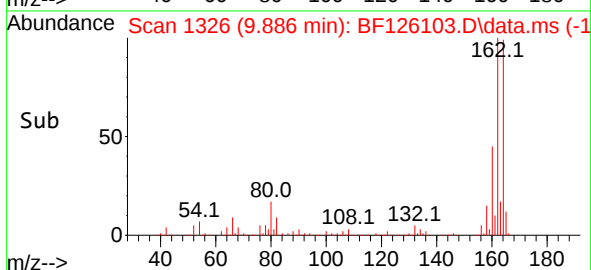
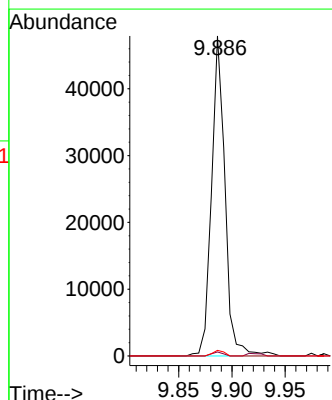
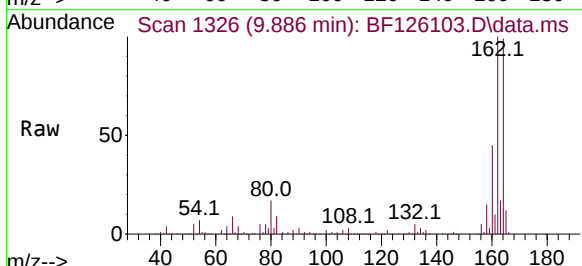
Tgt Ion: 165 Resp: 42257

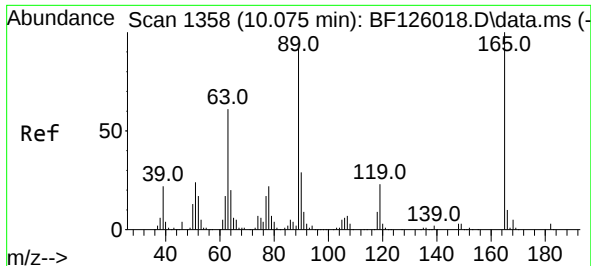
Ion Ratio Lower Upper

165 100

63 1.2 42.6 63.8#

89 1.7 40.6 60.8#

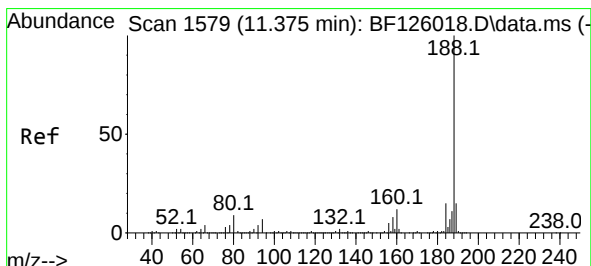
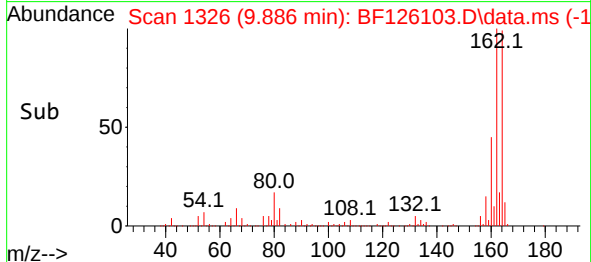
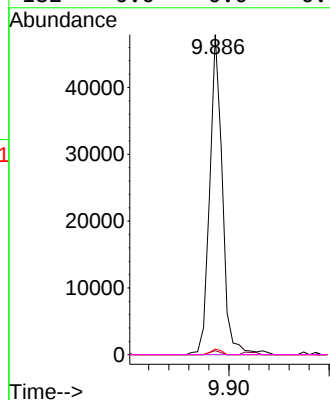
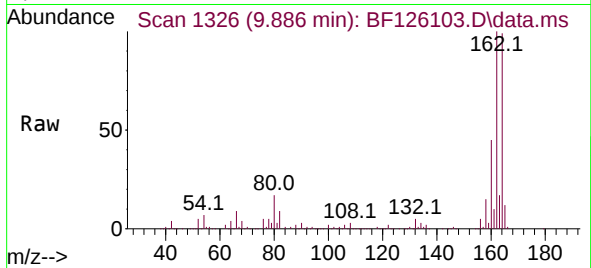




#57
2,4-Dinitrotoluene
Concen: 10.032 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

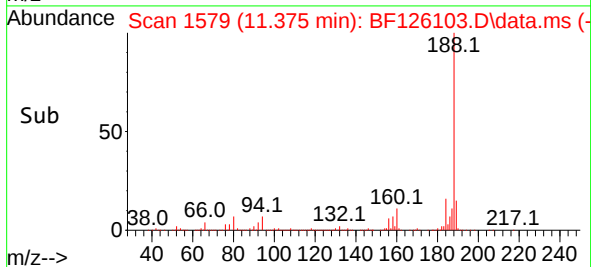
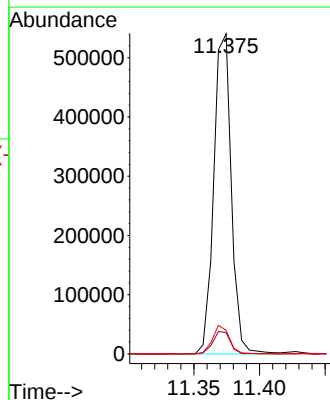
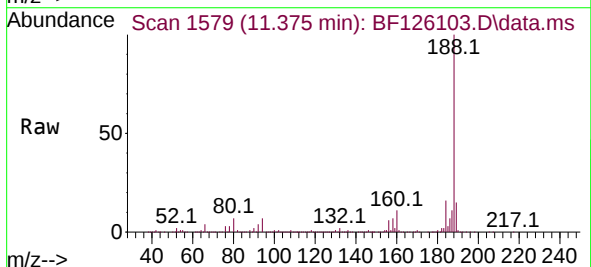
Instrument :
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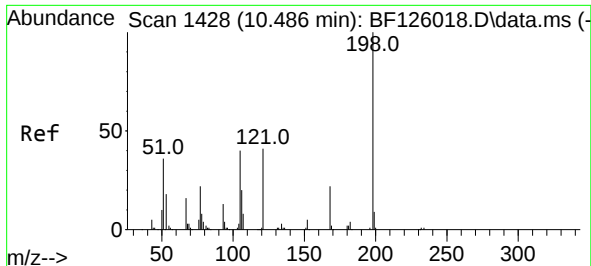
Tgt Ion:165 Resp: 42250
Ion Ratio Lower Upper
165 100
63 1.2 40.9 61.3#
89 1.7 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.000 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

Tgt Ion:188 Resp: 502698
Ion Ratio Lower Upper
188 100
94 6.7 6.7 10.1#
80 7.4 7.5 11.3#





#65

4,6-Dinitro-2-methylphenol

Concen: 8.354 ng

RT: 10.704 min Scan# 1465

Delta R.T. 0.218 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

Instrument :

BNA_F

ClientSampleId :

WC-3-AS

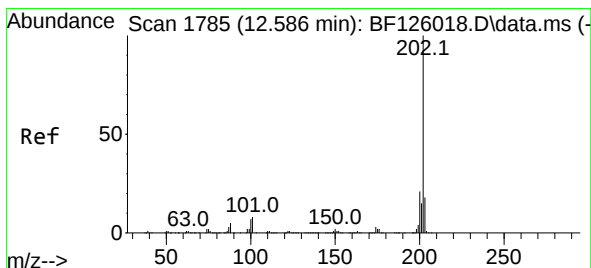
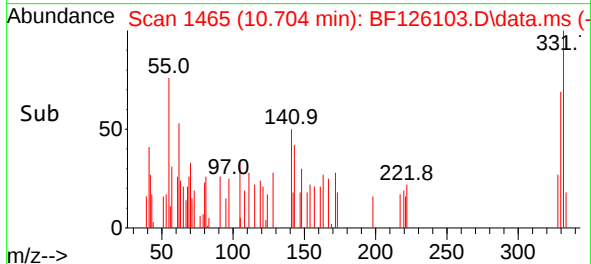
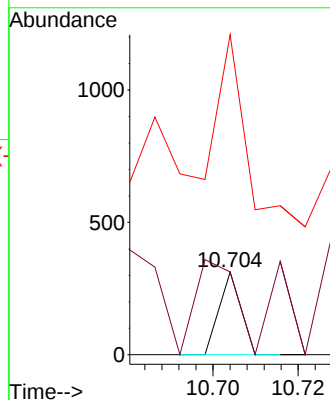
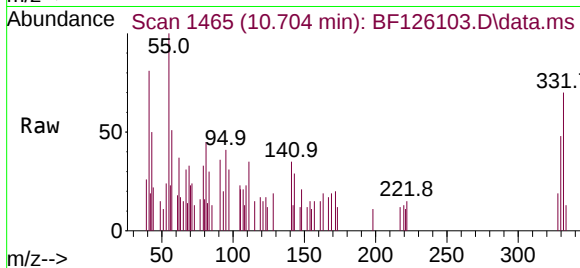
Tgt Ion:198 Resp: 110

Ion Ratio Lower Upper

198 100

51 100.3 45.3 85.3#

105 387.5 30.6 70.6#



#75

Fluoranthene

Concen: 6.468 ng

RT: 12.586 min Scan# 1785

Delta R.T. 0.000 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

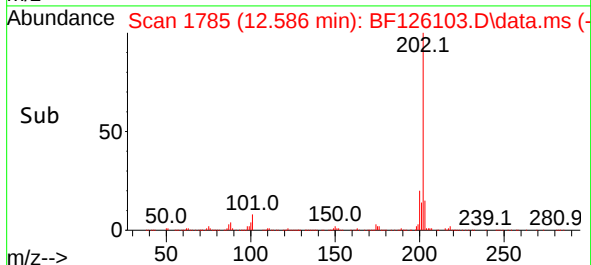
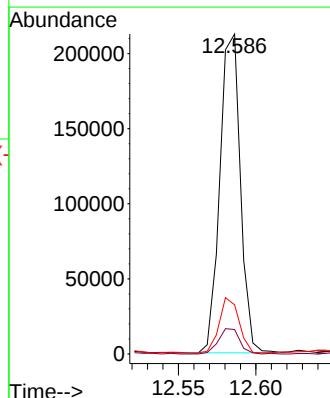
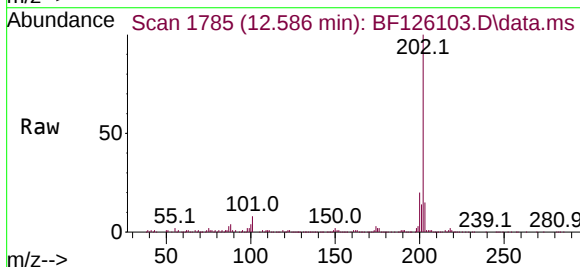
Tgt Ion:202 Resp: 196362

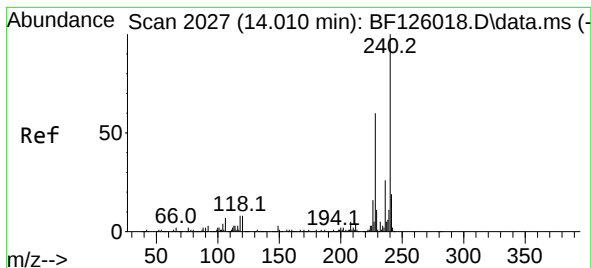
Ion Ratio Lower Upper

202 100

101 7.7 0.0 30.7

203 15.3 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.000 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

Instrument :

BNA_F

ClientSampleId :

WC-3-AS

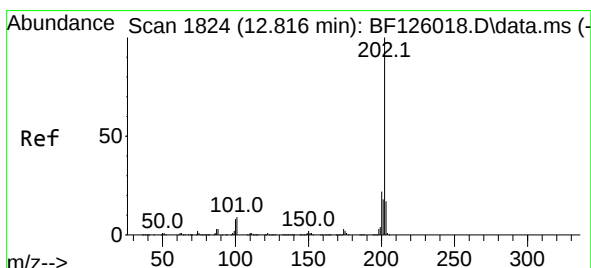
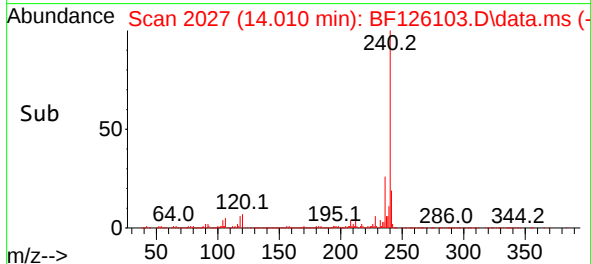
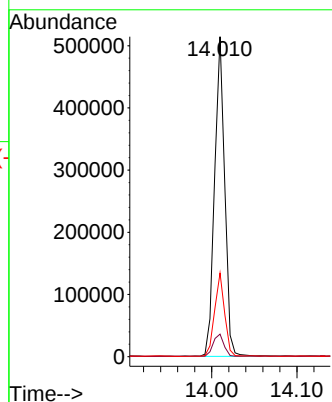
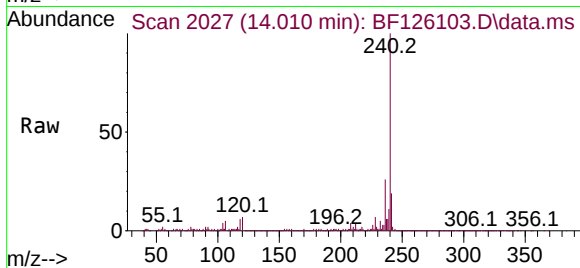
Tgt Ion:240 Resp: 425577

Ion Ratio Lower Upper

240 100

120 7.0 10.8 16.2#

236 26.2 21.6 32.4



#78

Pyrene

Concen: 6.267 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

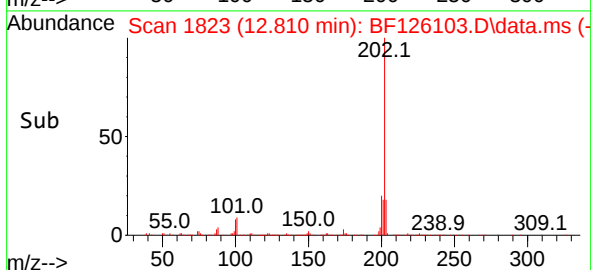
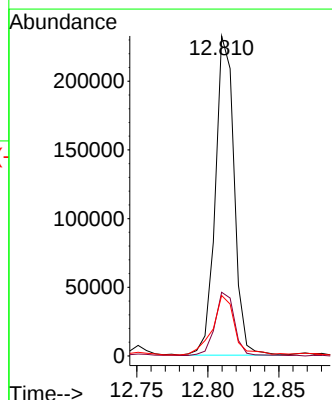
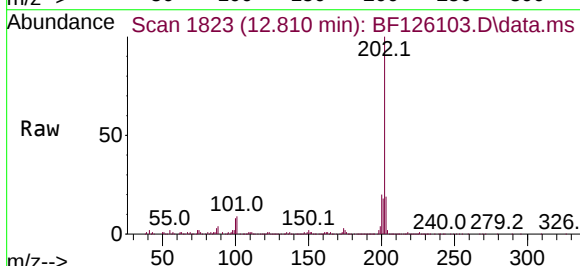
Tgt Ion:202 Resp: 213903

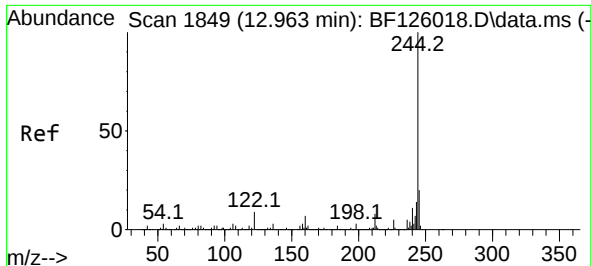
Ion Ratio Lower Upper

202 100

200 19.9 15.3 22.9

203 18.9 13.4 20.0

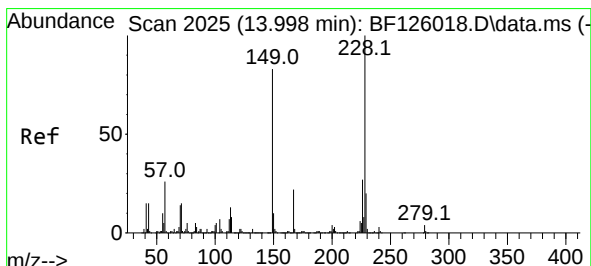
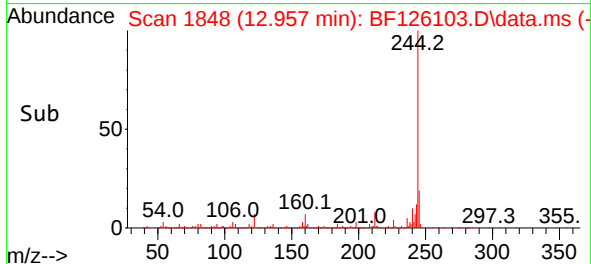
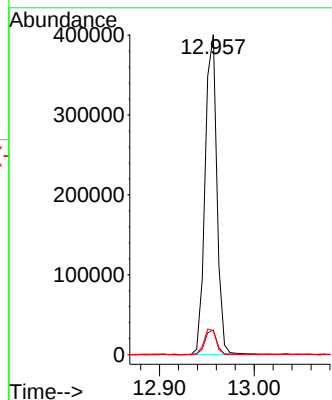
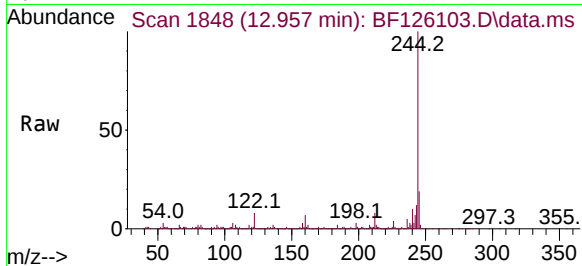




#79
 Terphenyl-d14
 Concen: 13.181 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126103.D
 Acq: 10 Nov 2021 12:44

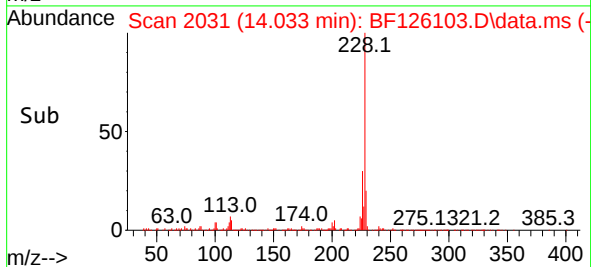
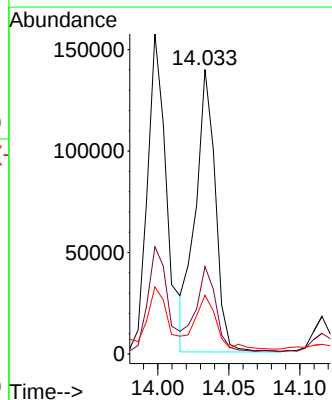
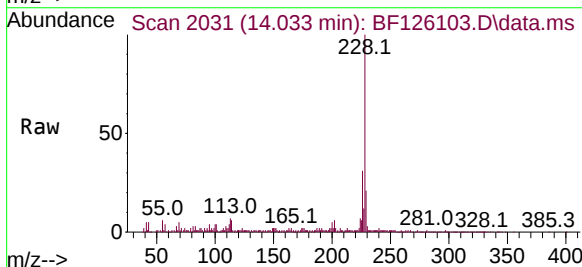
Instrument :
 BNA_F
 ClientSampleId :
 WC-3-AS

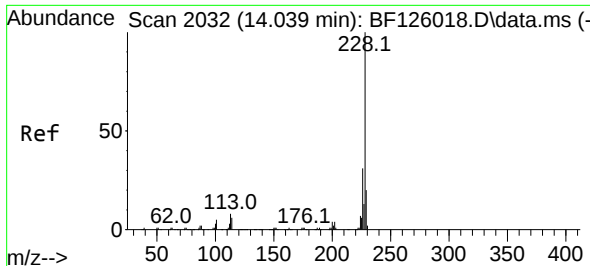
Tgt Ion:244 Resp: 347860
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.9 8.9
 122 7.5 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 4.663 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.035 min
 Lab File: BF126103.D
 Acq: 10 Nov 2021 12:44

Tgt Ion:228 Resp: 136325
 Ion Ratio Lower Upper
 228 100
 226 30.7 21.6 32.4
 229 20.6 15.6 23.4

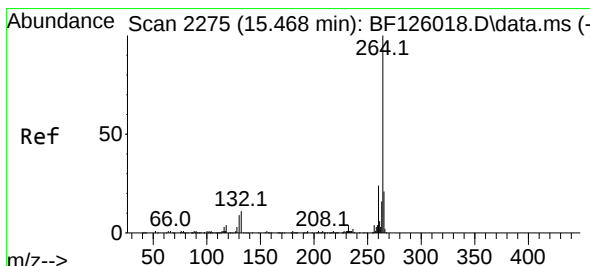
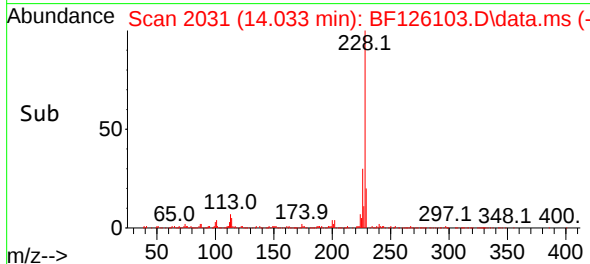
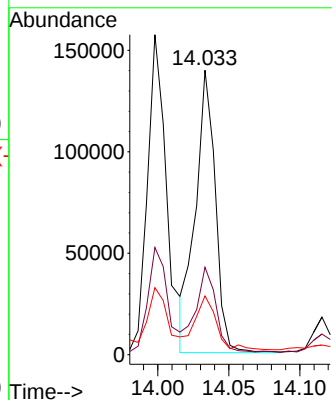
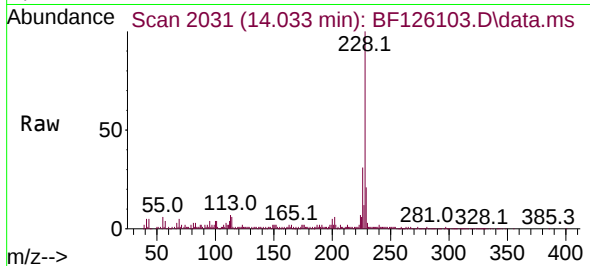




#83
Chrysene
Concen: 5.011 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

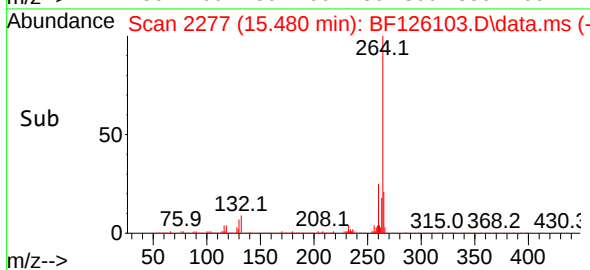
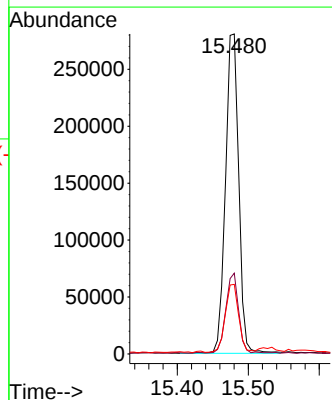
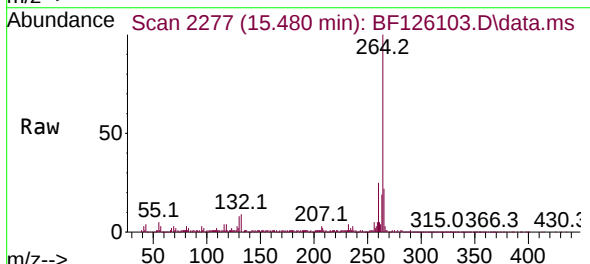
Instrument :
BNA_F
ClientSampleId :
WC-3-AS

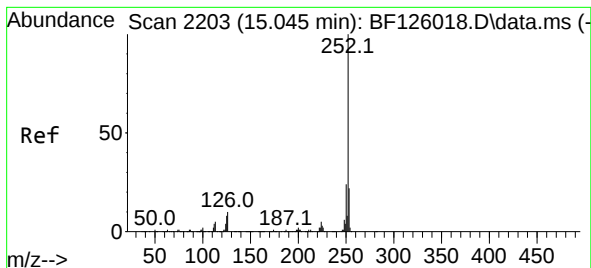
Tgt Ion:228 Resp: 136325
Ion Ratio Lower Upper
228 100
226 30.7 22.6 34.0
229 20.6 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2277
Delta R.T. 0.012 min
Lab File: BF126103.D
Acq: 10 Nov 2021 12:44

Tgt Ion:264 Resp: 362744
Ion Ratio Lower Upper
264 100
260 25.2 19.6 29.4
265 21.7 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 10.306 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.006 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

Instrument :

BNA_F

ClientSampleId :

WC-3-AS

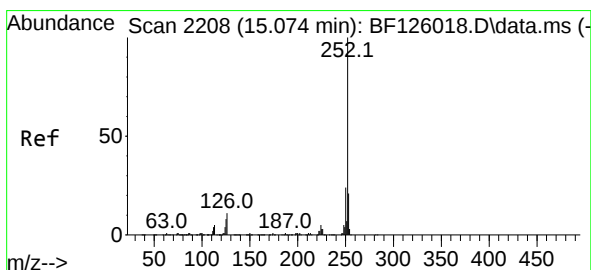
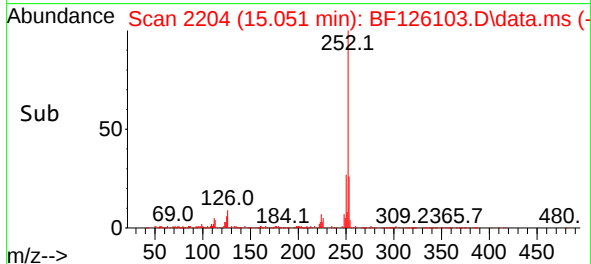
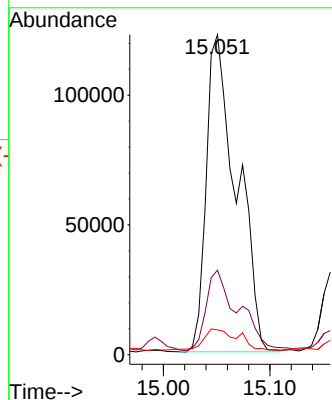
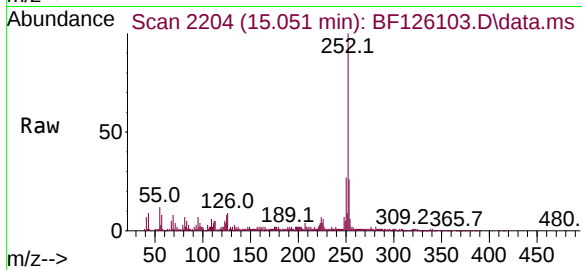
Tgt Ion:252 Resp: 243162

Ion Ratio Lower Upper

252 100

253 26.4 16.8 25.2#

125 7.8 9.8 14.8#



#89

Benzo(k)fluoranthene

Concen: 10.624 ng

RT: 15.051 min Scan# 2204

Delta R.T. -0.024 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

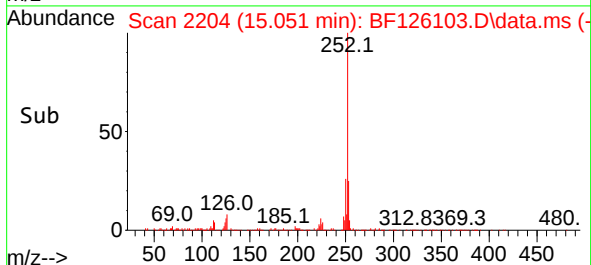
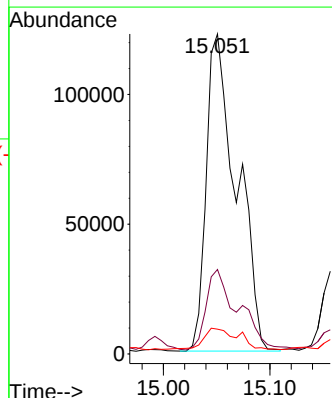
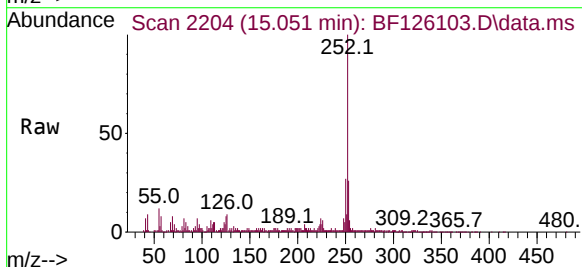
Tgt Ion:252 Resp: 243162

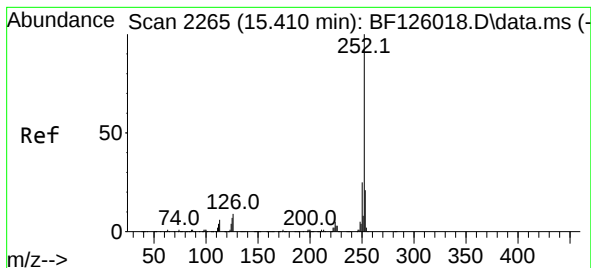
Ion Ratio Lower Upper

252 100

253 26.4 17.8 26.8

125 7.8 7.2 10.8





#90

Benzo(a)pyrene

Concen: 4.611 ng

RT: 15.351 min Scan# 2265

Delta R.T. -0.059 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

Instrument :

BNA_F

ClientSampleId :

WC-3-AS

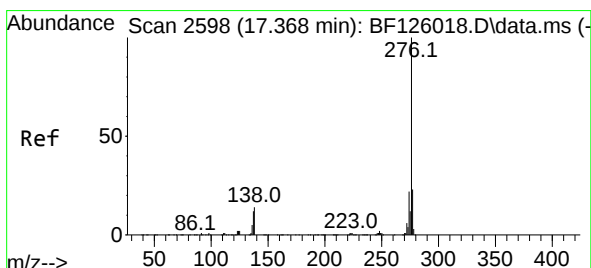
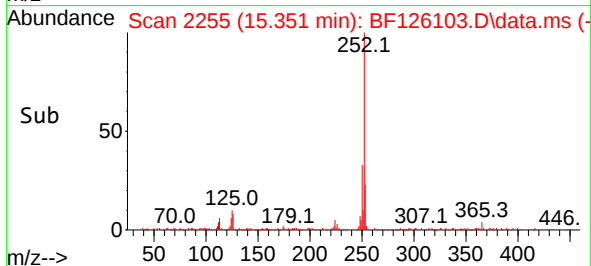
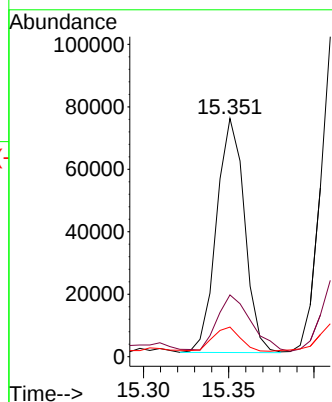
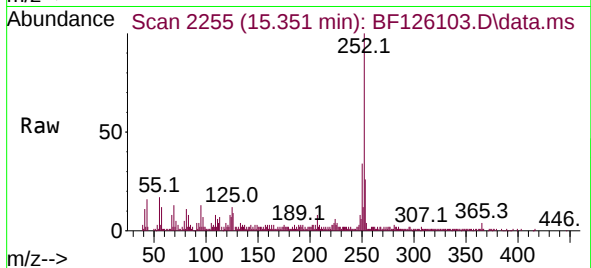
Tgt Ion:252 Resp: 85706

Ion Ratio Lower Upper

252 100

253 25.9 18.4 27.6

125 12.4 9.9 14.9



#92

Benzo(g,h,i)perylene

Concen: 4.973 ng

RT: 17.368 min Scan# 2598

Delta R.T. 0.000 min

Lab File: BF126103.D

Acq: 10 Nov 2021 12:44

Tgt Ion:276 Resp: 84115

Ion Ratio Lower Upper

276 100

277 25.2 22.0 33.0

138 13.6 22.2 33.4#

