

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110421\
 Data File : BF126052.D
 Acq On : 4 Nov 2021 18:35
 Operator : JU/CG
 Sample : M4500-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-4-110321

Quant Time: Nov 08 09:50:19 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)

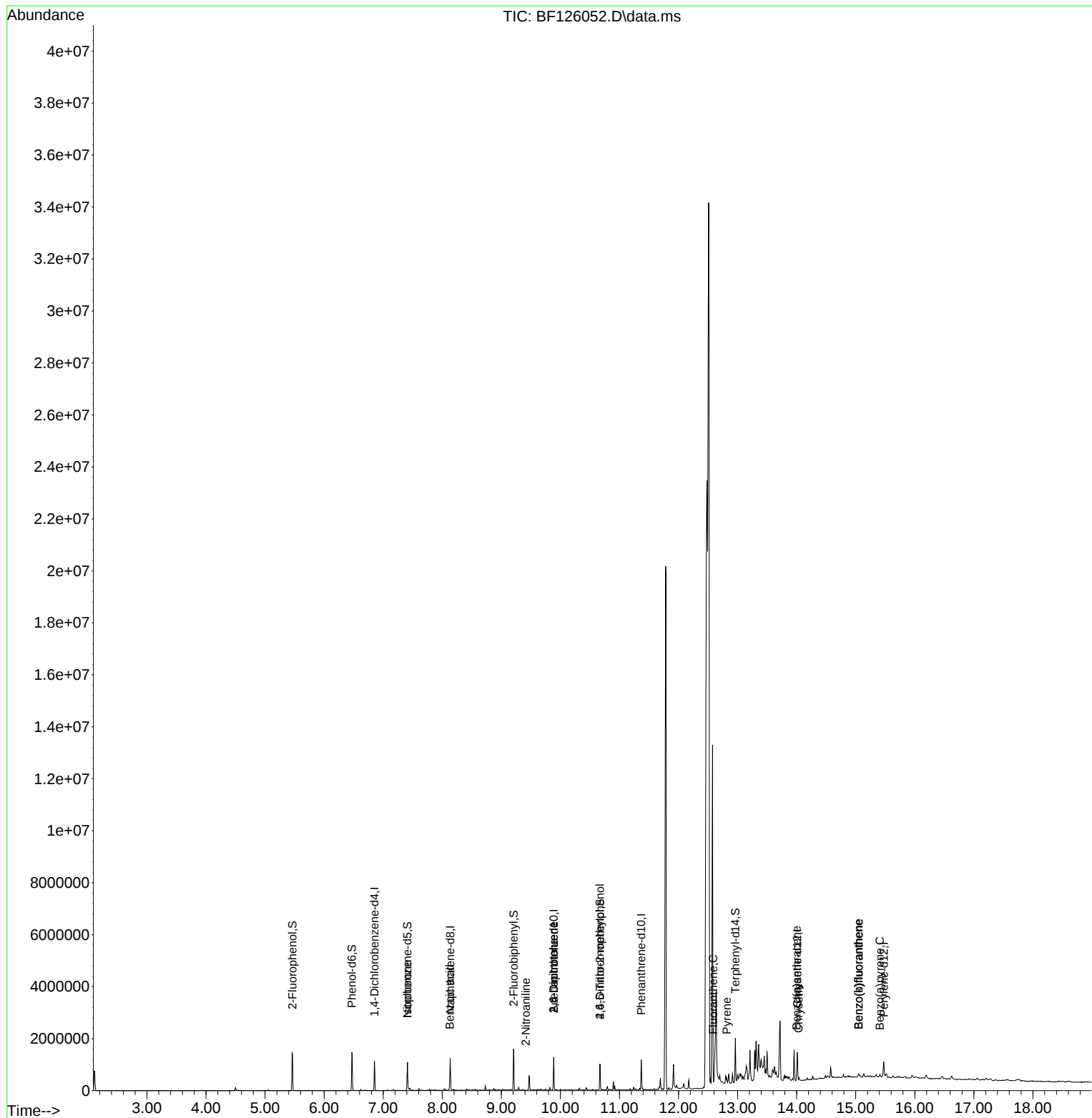
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	139084	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	437382	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	214402	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	368671	20.000	ng	0.00
76) Chrysene-d12	14.010	240	346701	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	262505	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	324838	40.108	ng	0.00
7) Phenol-d6	6.469	99	395098	34.606	ng	-0.02
23) Nitrobenzene-d5	7.410	82	282087	30.416	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	91162	37.102	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	459742	28.977	ng	0.00
79) Terphenyl-d14	12.963	244	478835	22.271	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.404	77	108	Below Cal	#	1
25) Isophorone	7.410	82	278887	16.702	ng	# 59
32) Benzoic acid	8.128	122	106	9.165	ng	# 1
48) 2-Nitroaniline	9.416	65	149	2.882	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	27992	10.462	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	27992	9.949	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.669	198	120	8.373	ng	# 1
75) Fluoranthene	12.586	202	72951	3.277	ng	97
78) Pyrene	12.816	202	73318	2.637	ng	95
81) Benzo(a)anthracene	13.998	228	50161	2.106	ng	# 88
83) Chrysene	14.033	228	47413	2.139	ng	# 87
88) Benzo(b)fluoranthene	15.051	252	80754	4.729	ng	93
89) Benzo(k)fluoranthene	15.051	252	80754	4.875	ng	# 92
90) Benzo(a)pyrene	15.410	252	36446	2.709	ng	94

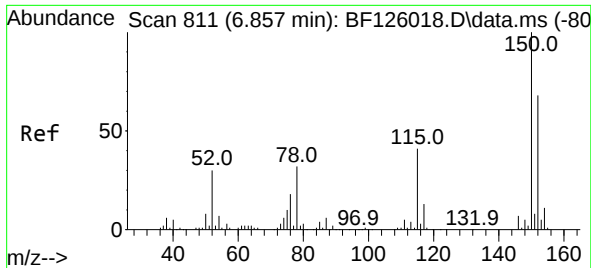
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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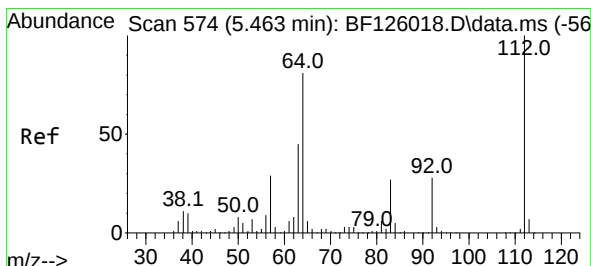
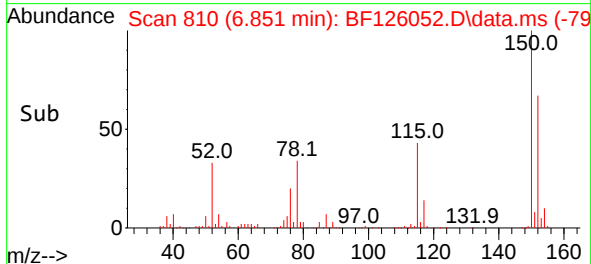
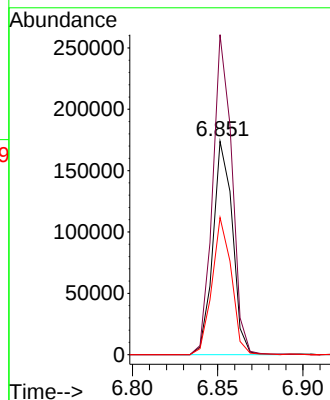
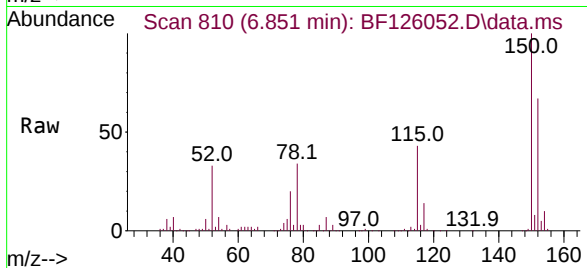




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

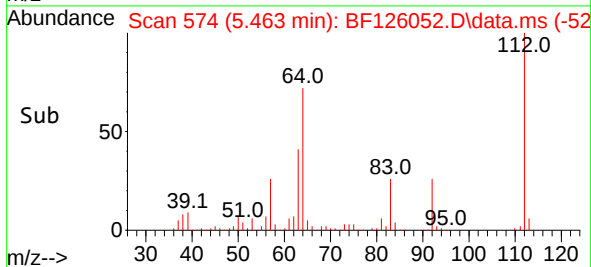
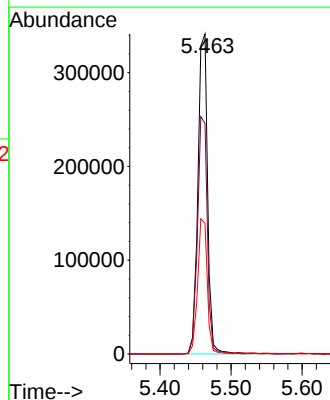
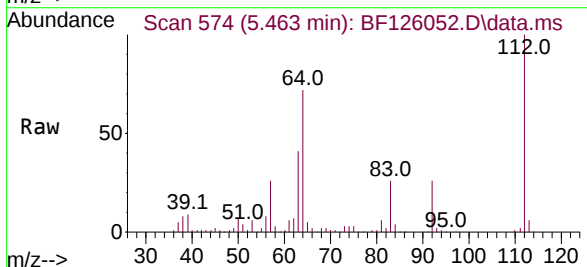
Instrument :
BNA_F
ClientSampleId :
TR-4-110321

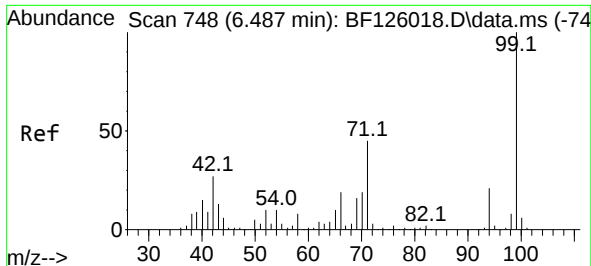
Tgt Ion:152 Resp: 139084
Ion Ratio Lower Upper
152 100
150 150.0 117.6 176.4
115 64.3 47.1 70.7



#5
2-Fluorophenol
Concen: 40.108 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

Tgt Ion:112 Resp: 324838
Ion Ratio Lower Upper
112 100
64 72.0 44.2 66.2#
63 40.8 26.2 39.2#

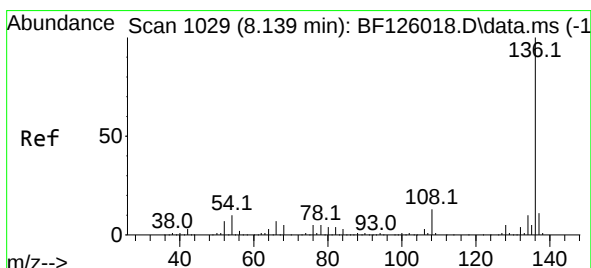
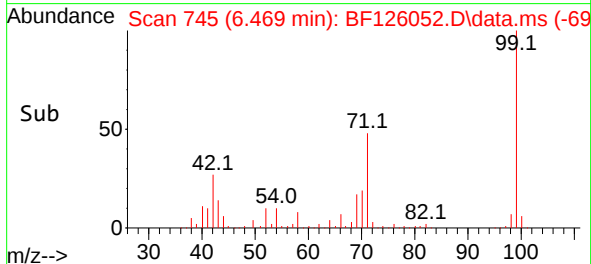
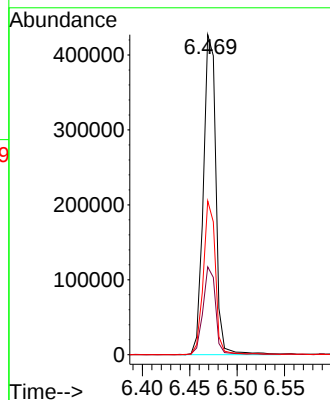
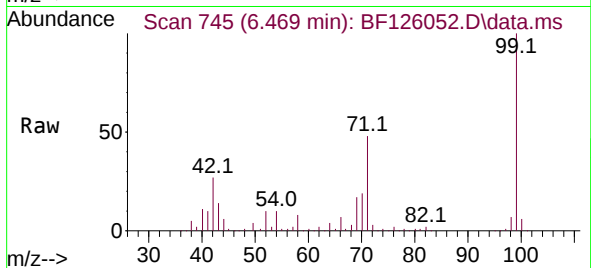




#7
Phenol-d6
Concen: 34.606 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

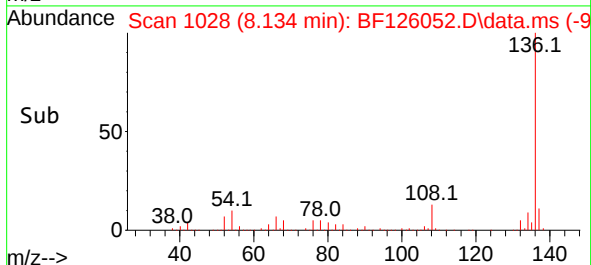
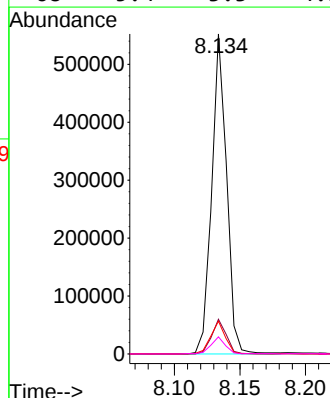
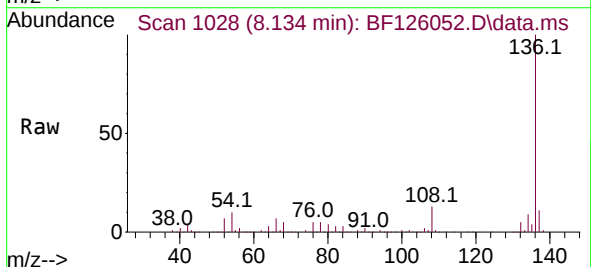
Instrument :
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ClientSampleId :
TR-4-110321

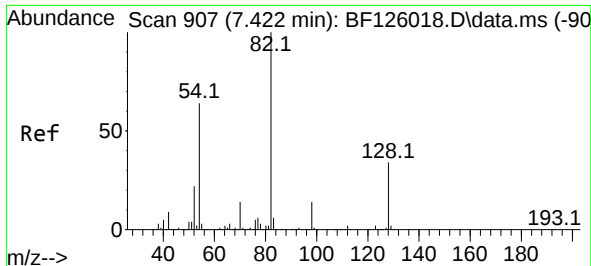
Tgt Ion: 99 Resp: 395098
Ion Ratio Lower Upper
99 100
42 27.5 23.5 35.3
71 48.1 25.6 38.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

Tgt Ion: 136 Resp: 437382
Ion Ratio Lower Upper
136 100
137 10.9 9.8 14.6
54 10.3 6.4 9.6#
68 5.4 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 30.416 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF126052.D

Acq: 4 Nov 2021 18:35

Instrument :

BNA_F

ClientSampleId :

TR-4-110321

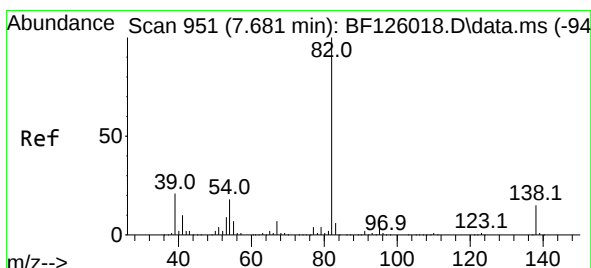
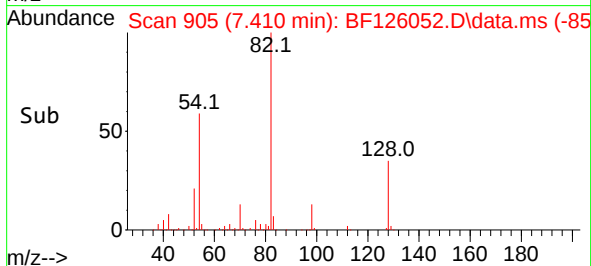
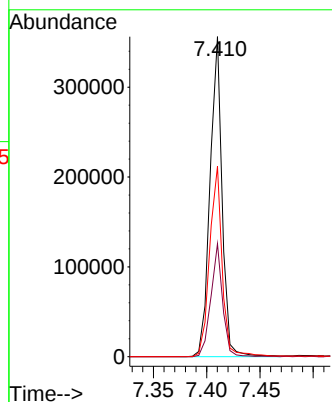
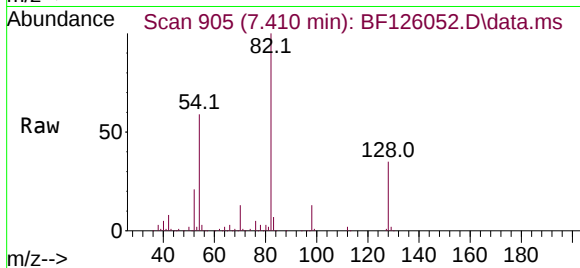
Tgt Ion: 82 Resp: 282087

Ion Ratio Lower Upper

82 100

128 35.3 40.6 60.8#

54 59.5 49.6 74.4



#25

Isophorone

Concen: 16.702 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.271 min

Lab File: BF126052.D

Acq: 4 Nov 2021 18:35

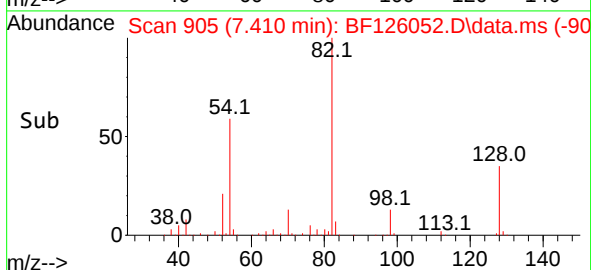
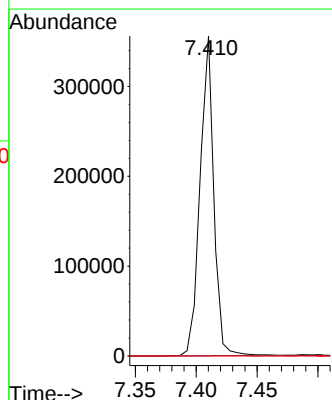
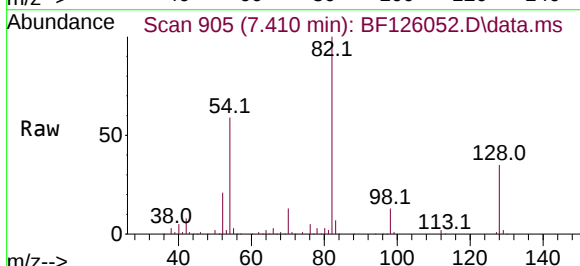
Tgt Ion: 82 Resp: 278887

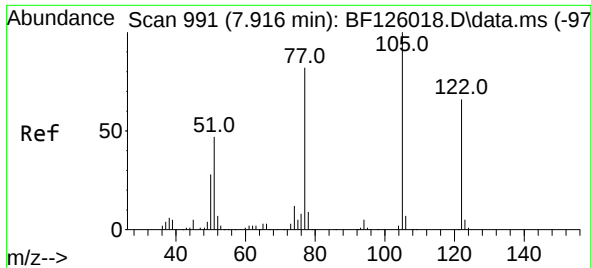
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#





#32

Benzoic acid

Concen: 9.165 ng

RT: 8.128 min Scan# 1027

Delta R.T. 0.212 min

Lab File: BF126052.D

Acq: 4 Nov 2021 18:35

Instrument :

BNA_F

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TR-4-110321

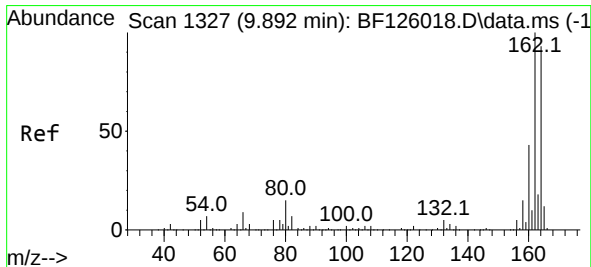
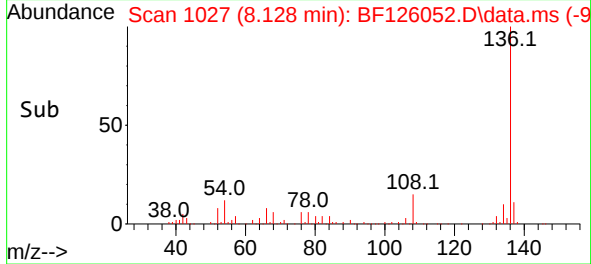
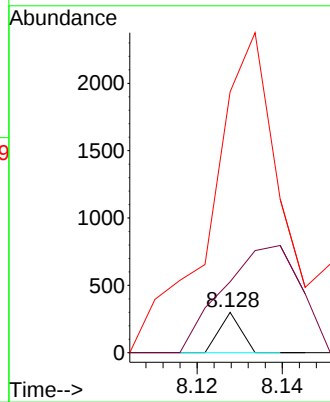
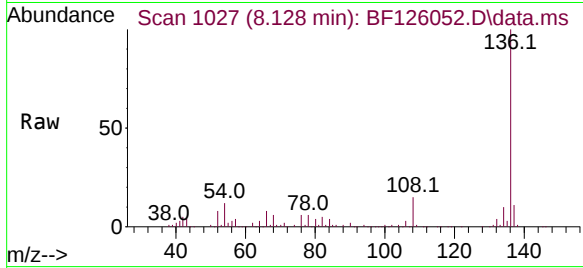
Tgt Ion:122 Resp: 106

Ion Ratio Lower Upper

122 100

105 175.3 97.6 137.6#

77 645.7 59.6 99.6#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF126052.D

Acq: 4 Nov 2021 18:35

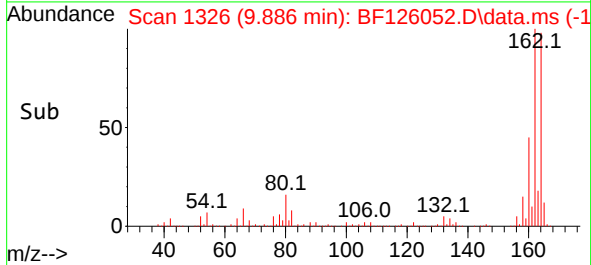
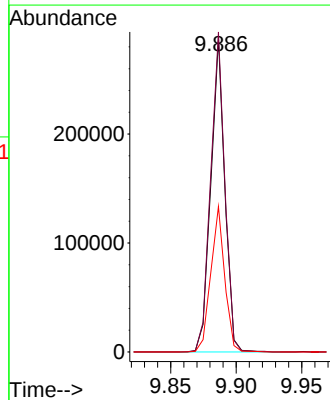
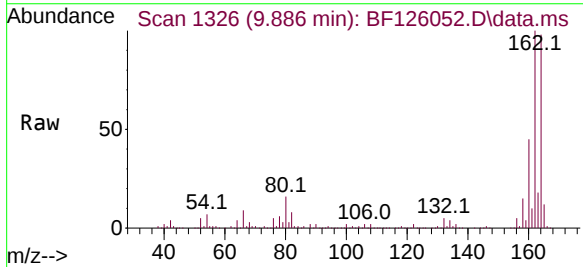
Tgt Ion:164 Resp: 214402

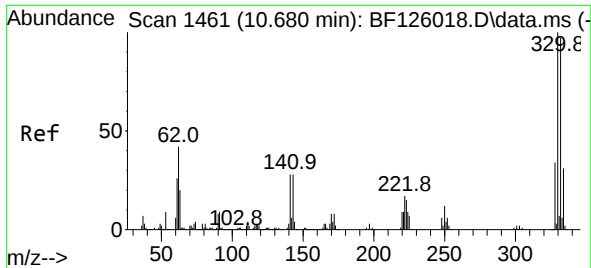
Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

160 46.4 38.0 57.0

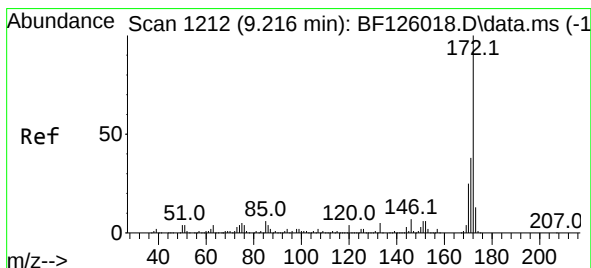
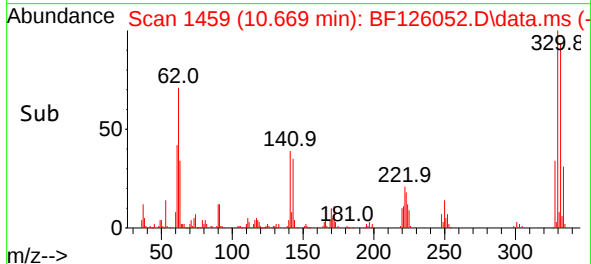
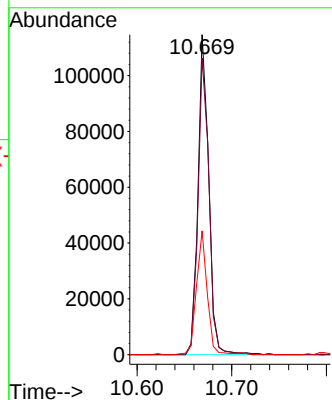
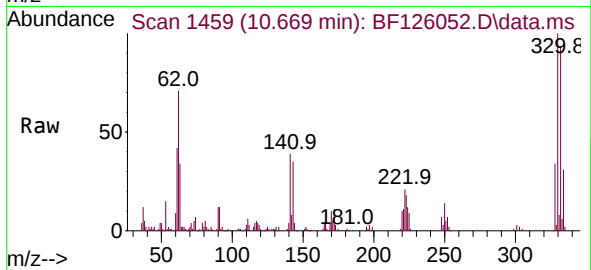




#42
2,4,6-Tribromophenol
Concen: 37.102 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

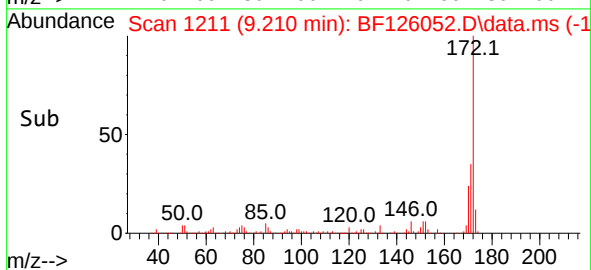
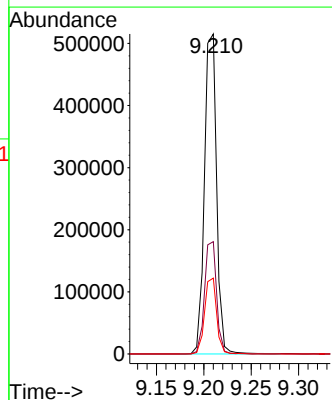
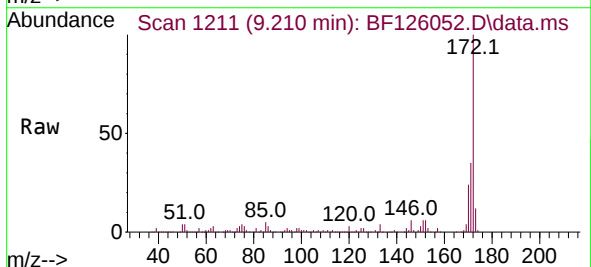
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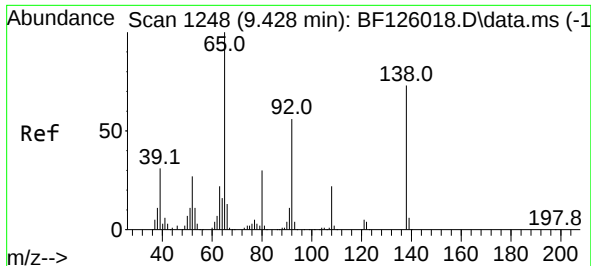
Tgt Ion:330 Resp: 91162
Ion Ratio Lower Upper
330 100
332 94.4 76.2 114.4
141 38.9 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 28.977 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

Tgt Ion:172 Resp: 459742
Ion Ratio Lower Upper
172 100
171 35.1 26.5 39.7
170 23.7 18.8 28.2

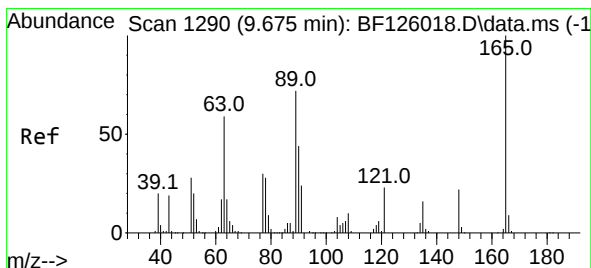
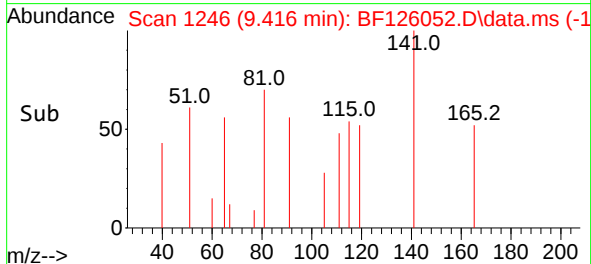
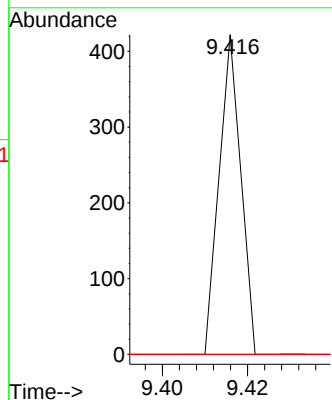
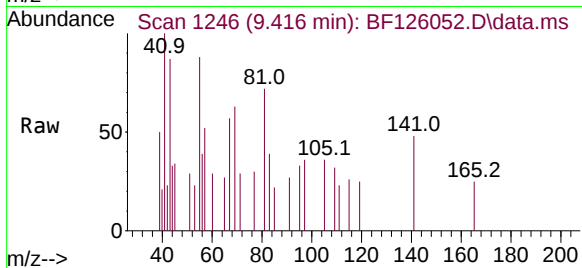




#48
2-Nitroaniline
Concen: 2.882 ng
RT: 9.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

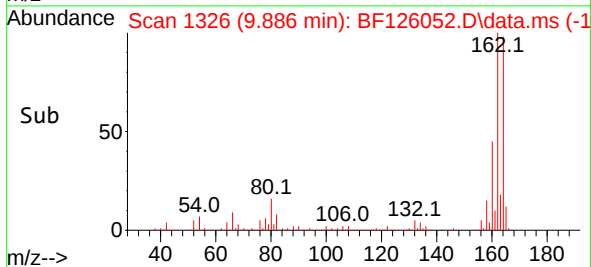
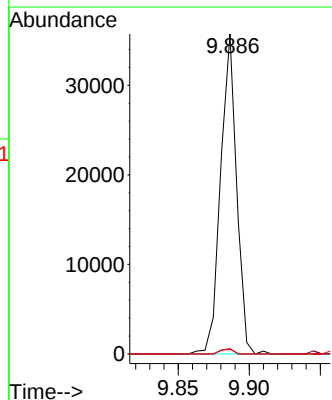
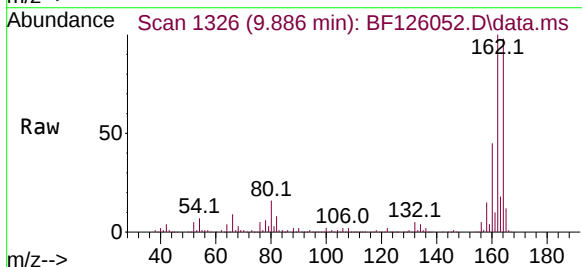
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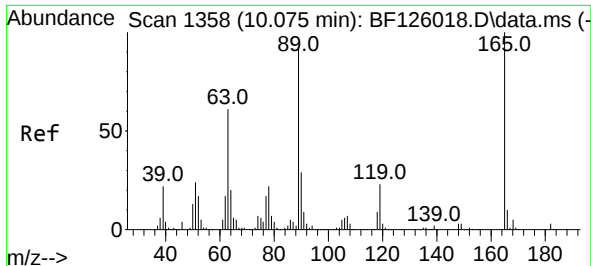
Tgt Ion: 65 Resp: 149
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#



#51
2,6-Dinitrotoluene
Concen: 10.462 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.211 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

Tgt Ion: 165 Resp: 27992
Ion Ratio Lower Upper
165 100
63 1.6 42.6 63.8#
89 1.5 40.6 60.8#

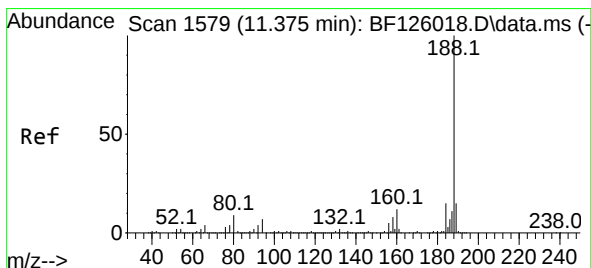
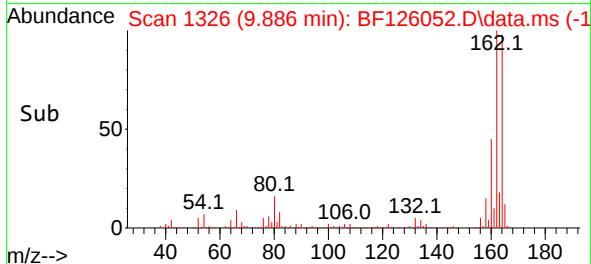
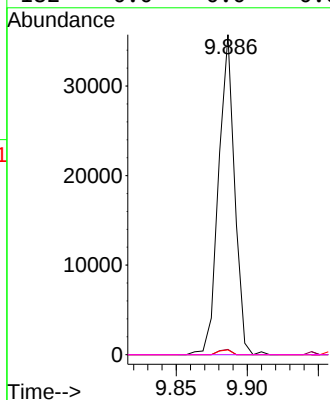
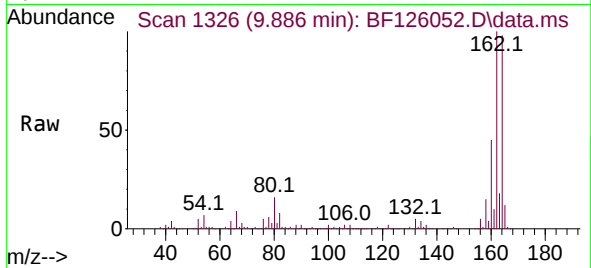




#57
2,4-Dinitrotoluene
Concen: 9.949 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.189 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

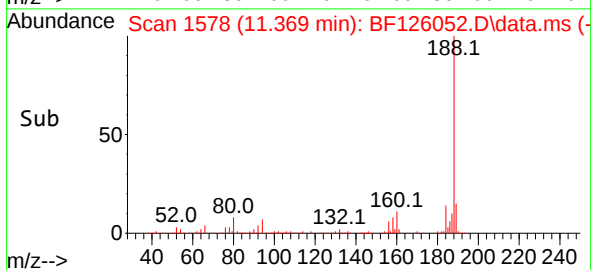
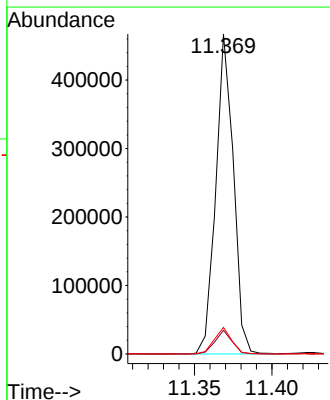
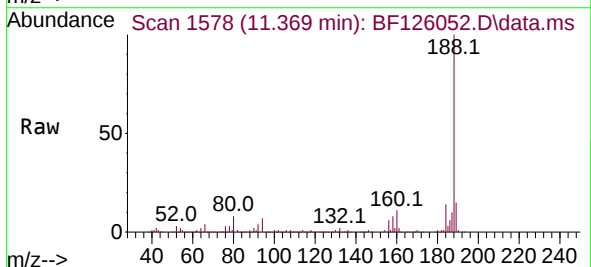
Instrument :
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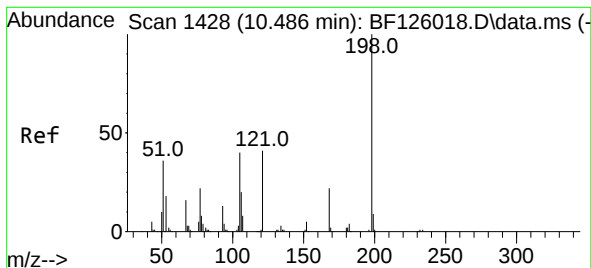
Tgt Ion:165 Resp: 27992
Ion Ratio Lower Upper
165 100
63 1.6 40.9 61.3#
89 1.5 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

Tgt Ion:188 Resp: 368671
Ion Ratio Lower Upper
188 100
94 7.4 6.7 10.1
80 8.3 7.5 11.3

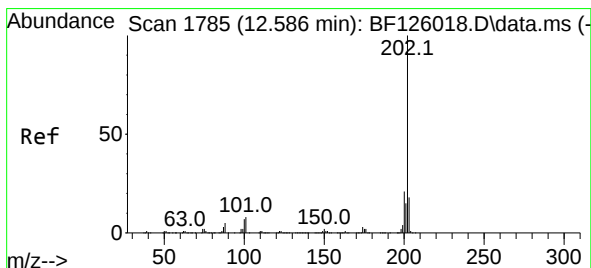
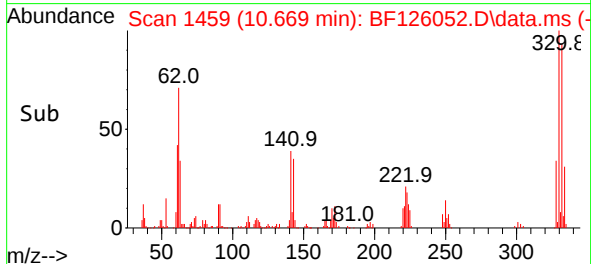
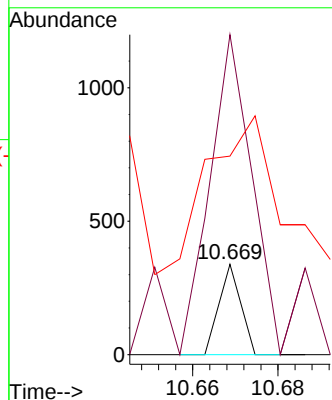
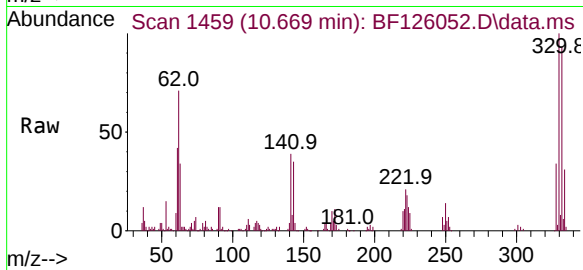




#65
4,6-Dinitro-2-methylphenol
Concen: 8.373 ng
RT: 10.669 min Scan# 1428
Delta R.T. 0.183 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

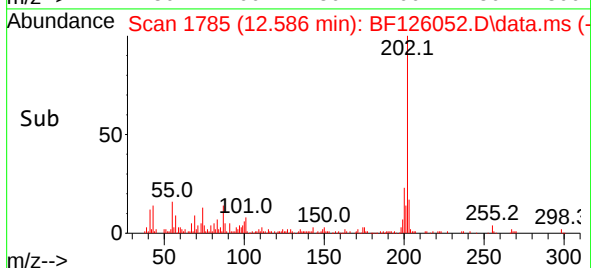
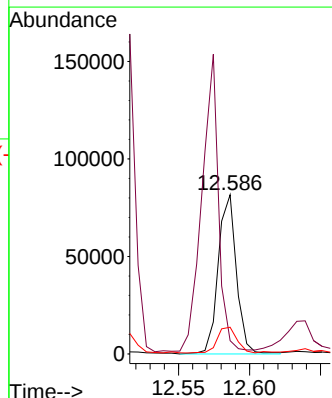
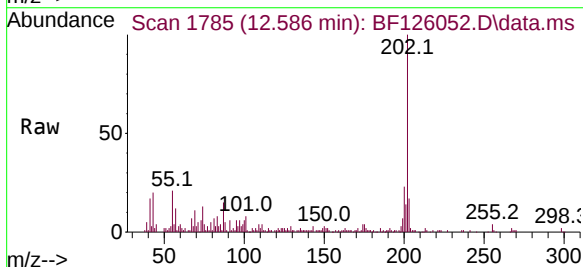
Instrument :
BNA_F
ClientSampleId :
TR-4-110321

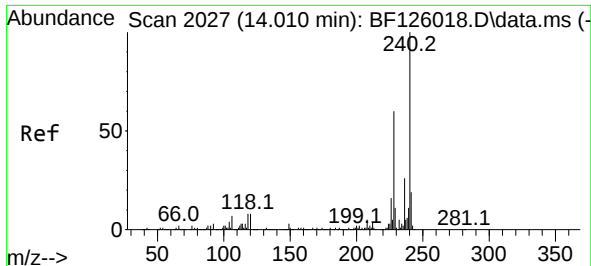
Tgt Ion:198 Resp: 120
Ion Ratio Lower Upper
198 100
51 353.7 45.3 85.3#
105 219.5 30.6 70.6#



#75
Fluoranthene
Concen: 3.277 ng
RT: 12.586 min Scan# 1785
Delta R.T. 0.000 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

Tgt Ion:202 Resp: 72951
Ion Ratio Lower Upper
202 100
101 8.3 0.0 30.7
203 16.8 0.0 36.3

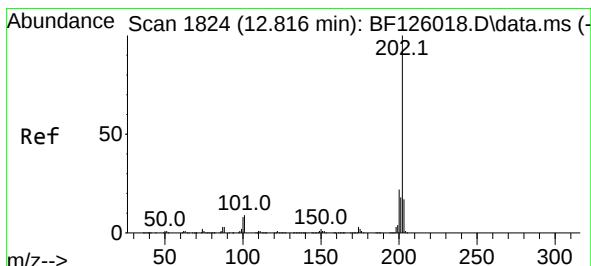
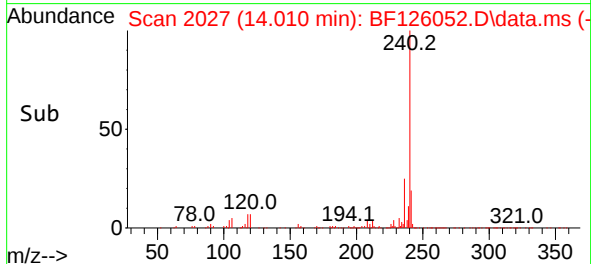
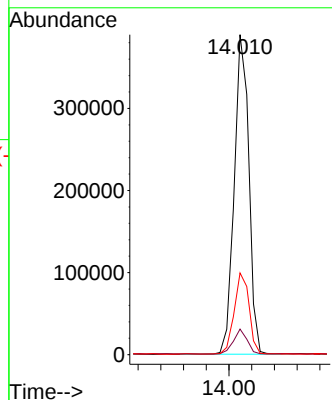
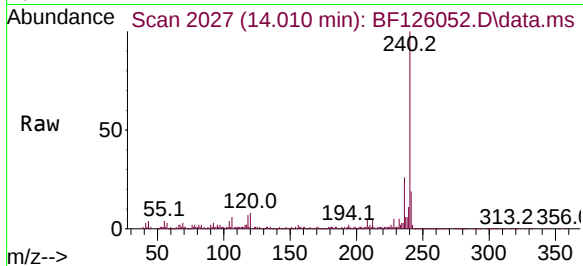




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

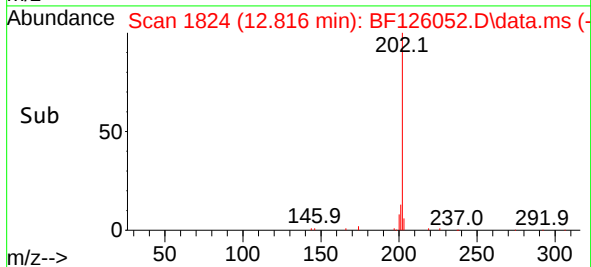
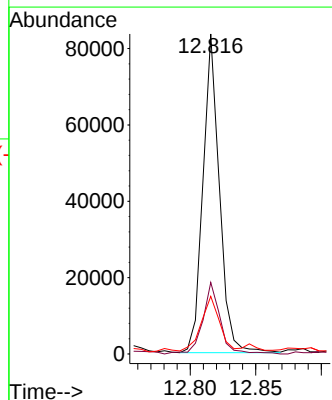
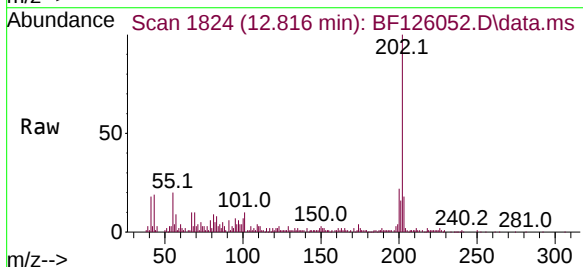
Instrument :
BNA_F
ClientSampleId :
TR-4-110321

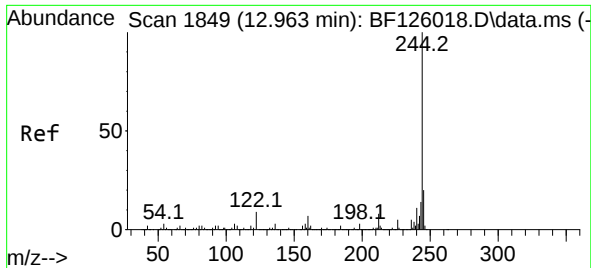
Tgt Ion:240 Resp: 346701
Ion Ratio Lower Upper
240 100
120 8.0 10.8 16.2#
236 25.5 21.6 32.4



#78
Pyrene
Concen: 2.637 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.000 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

Tgt Ion:202 Resp: 73318
Ion Ratio Lower Upper
202 100
200 22.3 15.3 22.9
203 18.0 13.4 20.0

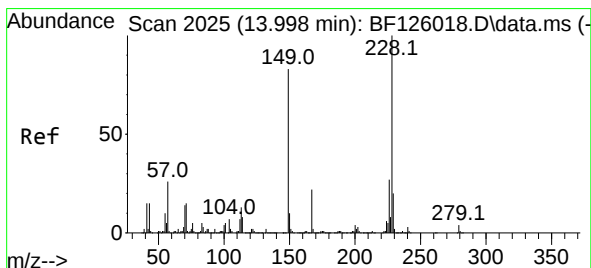
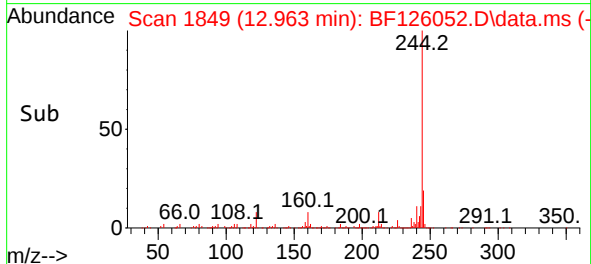
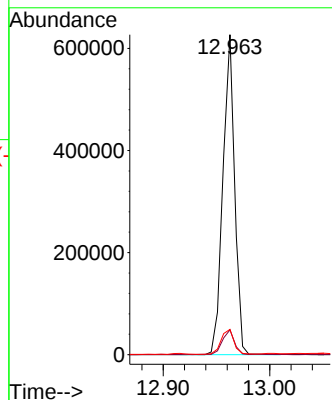
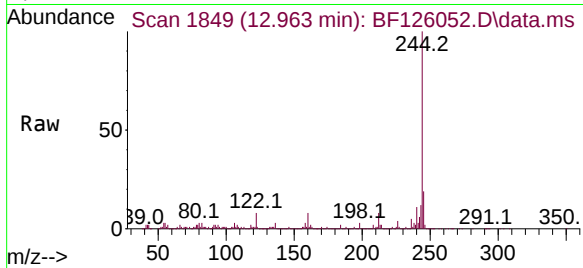




#79
 Terphenyl-d14
 Concen: 22.271 ng
 RT: 12.963 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF126052.D
 Acq: 4 Nov 2021 18:35

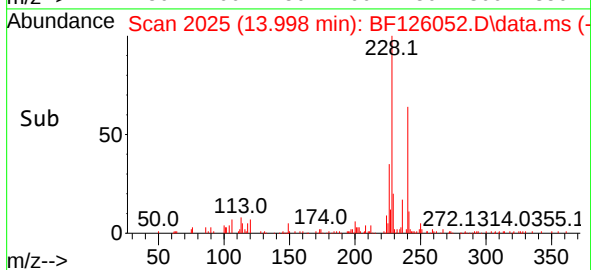
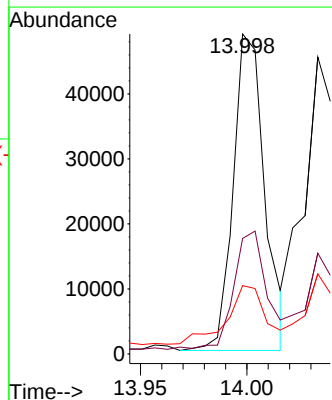
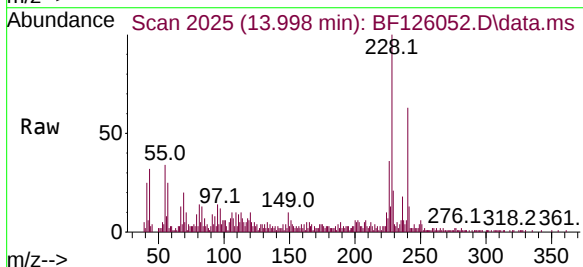
Instrument :
 BNA_F
 ClientSampleId :
 TR-4-110321

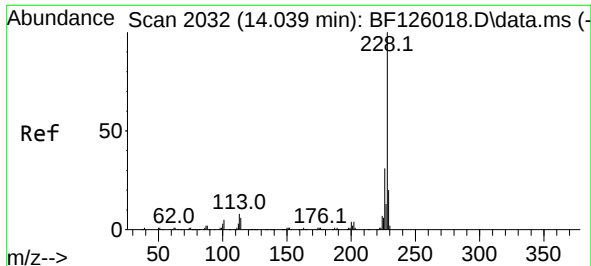
Tgt Ion:244 Resp: 478835
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 7.9 9.0 13.4#



#81
 Benzo(a)anthracene
 Concen: 2.106 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.000 min
 Lab File: BF126052.D
 Acq: 4 Nov 2021 18:35

Tgt Ion:228 Resp: 50161
 Ion Ratio Lower Upper
 228 100
 226 36.1 21.6 32.4#
 229 21.3 15.6 23.4

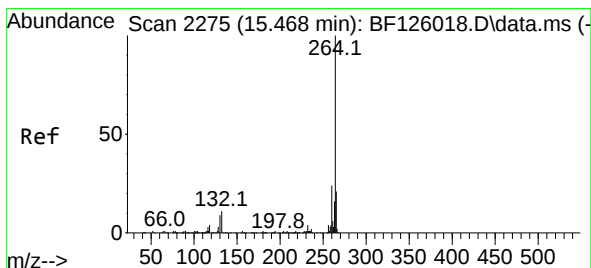
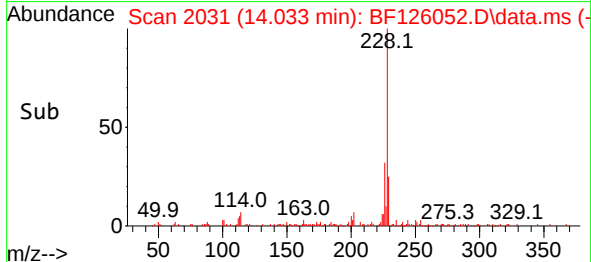
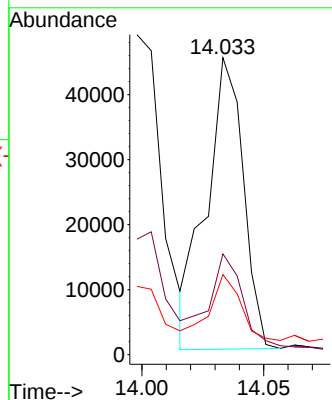
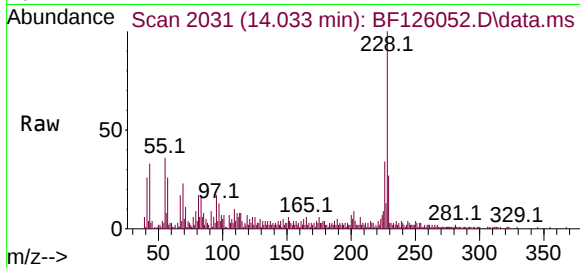




#83
Chrysene
Concen: 2.139 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

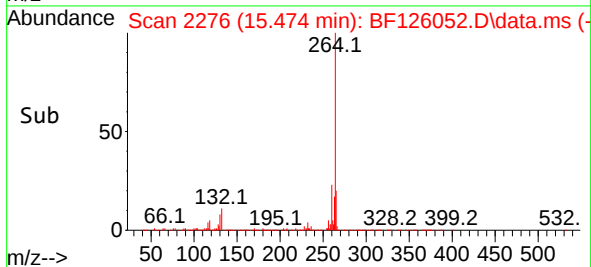
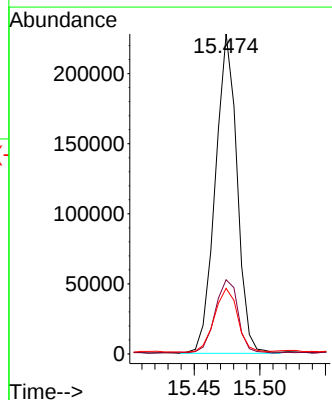
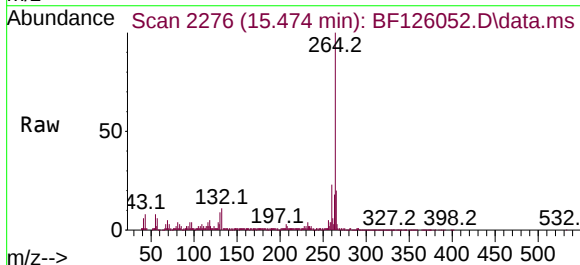
Instrument :
BNA_F
ClientSampleId :
TR-4-110321

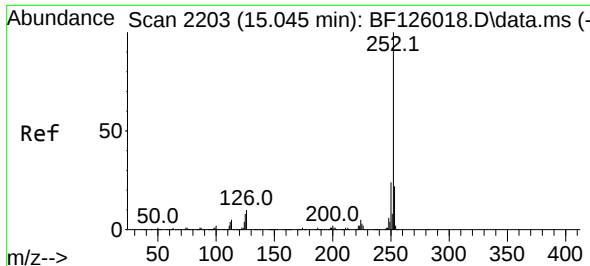
Tgt Ion:228 Resp: 47413
Ion Ratio Lower Upper
228 100
226 33.9 22.6 34.0
229 27.0 15.9 23.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

Tgt Ion:264 Resp: 262505
Ion Ratio Lower Upper
264 100
260 23.2 19.6 29.4
265 20.5 17.2 25.8

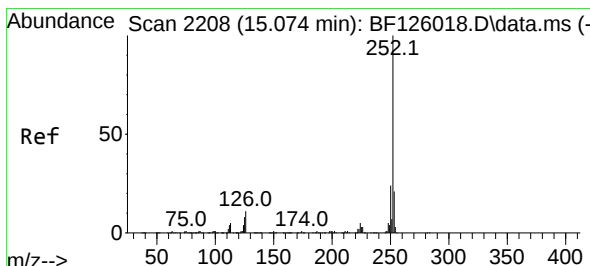
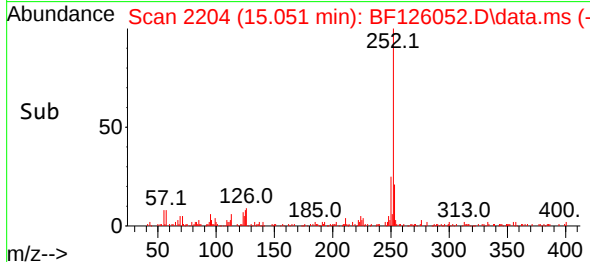
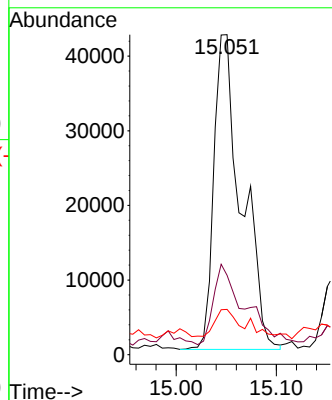
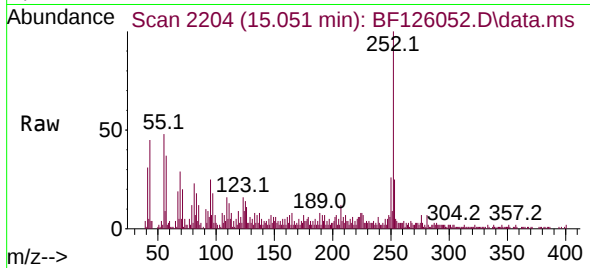




#88
Benzo(b)fluoranthene
Concen: 4.729 ng
RT: 15.051 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

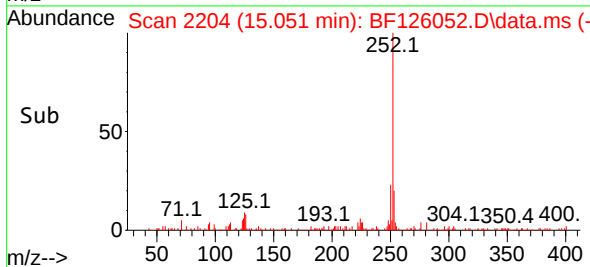
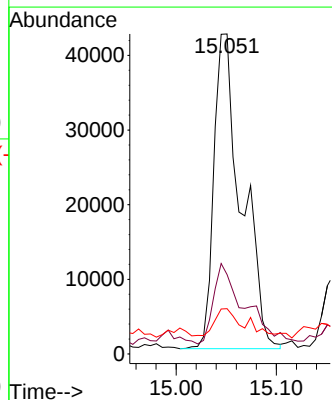
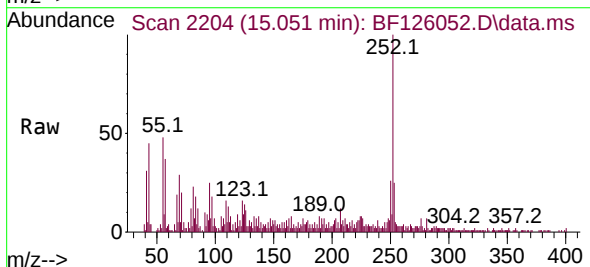
Instrument :
BNA_F
ClientSampleId :
TR-4-110321

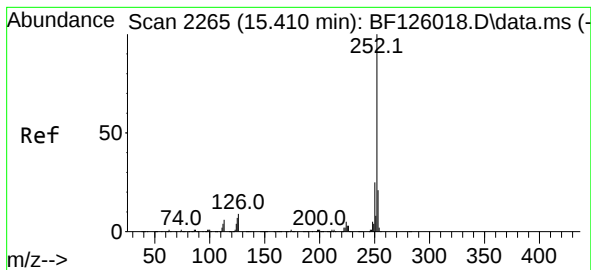
Tgt Ion:252 Resp: 80754
Ion Ratio Lower Upper
252 100
253 24.8 16.8 25.2
125 14.2 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 4.875 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.023 min
Lab File: BF126052.D
Acq: 4 Nov 2021 18:35

Tgt Ion:252 Resp: 80754
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 14.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.709 ng

RT: 15.410 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF126052.D

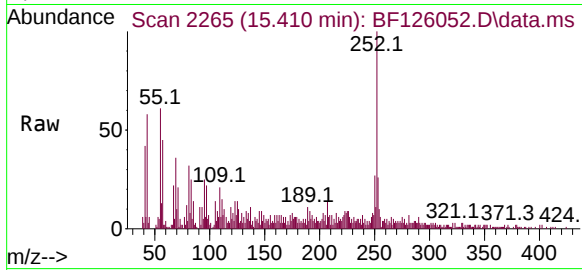
Acq: 4 Nov 2021 18:35

Instrument :

BNA_F

ClientSampleId :

TR-4-110321



Tgt Ion:252 Resp: 36446

Ion Ratio Lower Upper

252 100

253 26.1 18.4 27.6

125 14.0 9.9 14.9

