

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126110.D
 Acq On : 10 Nov 2021 16:35
 Operator : JU/CG
 Sample : M4562-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-1

Quant Time: Nov 11 09:30:03 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)

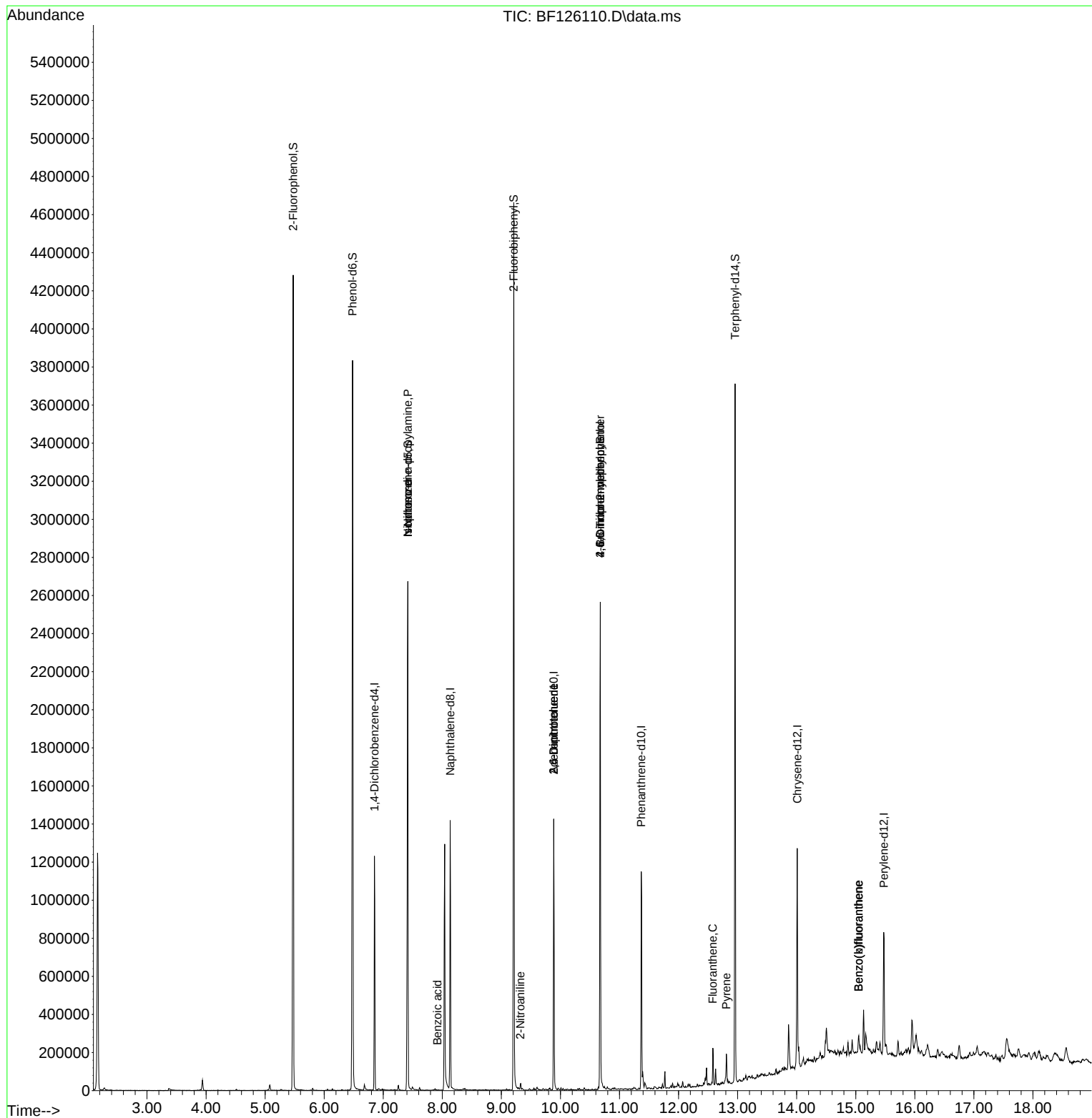
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	157602	20.000	ng	0.00
21) Naphthalene-d8	8.133	136	532076	20.000	ng	# 0.00
39) Acenaphthene-d10	9.886	164	259796	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	409571	20.000	ng	0.00
76) Chrysene-d12	14.009	240	363751	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	299378	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	923925	100.674	ng	0.01
7) Phenol-d6	6.481	99	1163929	89.968	ng	0.00
23) Nitrobenzene-d5	7.416	82	812629	72.027	ng	0.00
42) 2,4,6-Tribromophenol	10.674	330	277156	93.091	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1268571	65.986	ng	0.00
79) Terphenyl-d14	12.957	244	1065468	47.233	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.404	77	507	Below Cal	#	82
19) n-Nitroso-di-n-propyla...	7.416	70	113100	13.261	ng	# 61
25) Isophorone	7.416	82	809275	39.840	ng	# 59
32) Benzoic acid	7.916	122	109	9.161	ng	# 1
48) 2-Nitroaniline	9.322	65	179	2.882	ng	# 1
51) 2,6-Dinitrotoluene	9.886	165	34399	10.610	ng	# 28
57) 2,4-Dinitrotoluene	9.886	165	34399	10.045	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.674	198	1007	8.739	ng	# 2
67) 4-Bromophenyl-phenylether	10.674	248	17362	3.500	ng	# 1
75) Fluoranthene	12.580	202	73596	2.976	ng	96
78) Pyrene	12.810	202	62607	2.146	ng	97
88) Benzo(b)fluoranthene	15.051	252	65164	3.346	ng	98
89) Benzo(k)fluoranthene	15.051	252	65164	3.450	ng	# 97

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

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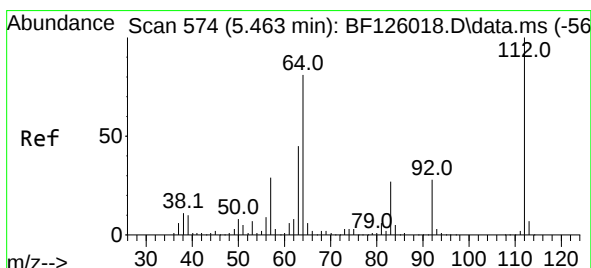
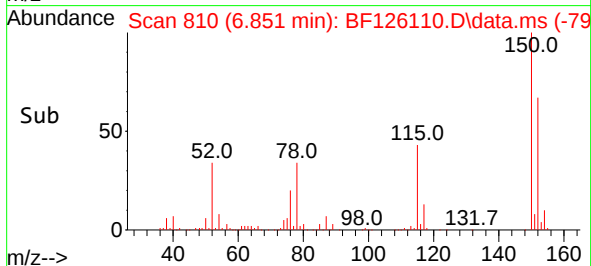
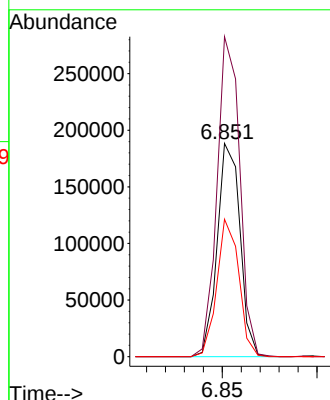
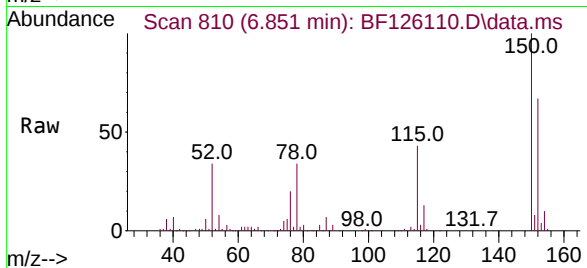




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 811
Delta R.T. -0.006 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

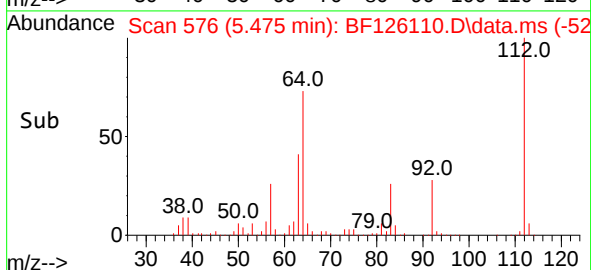
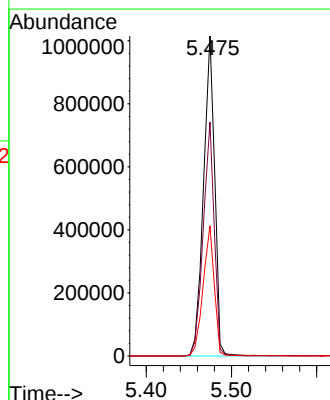
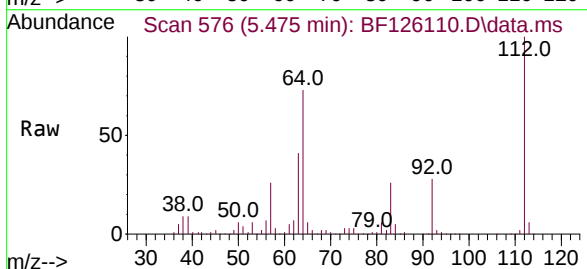
Instrument :
BNA_F
ClientSampleId :
T-1

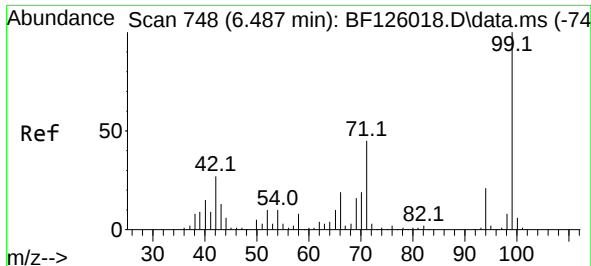
Tgt Ion:152 Resp: 157602
Ion Ratio Lower Upper
152 100
150 150.1 117.6 176.4
115 64.4 47.1 70.7



#5
2-Fluorophenol
Concen: 100.674 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

Tgt Ion:112 Resp: 923925
Ion Ratio Lower Upper
112 100
64 73.1 44.2 66.2#
63 40.7 26.2 39.2#

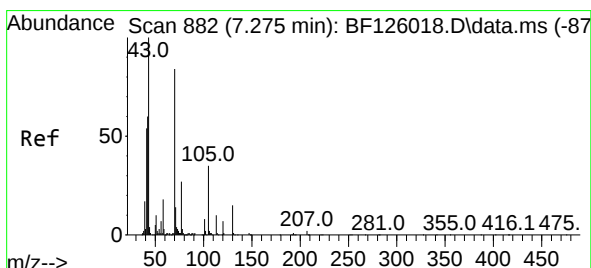
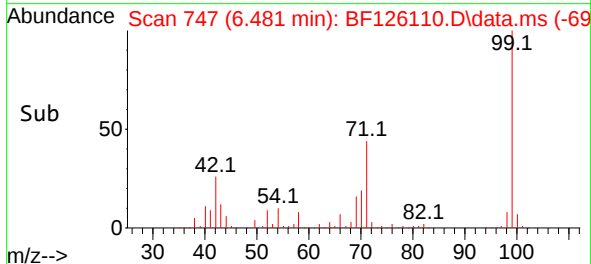
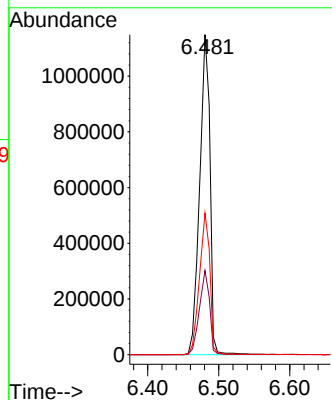
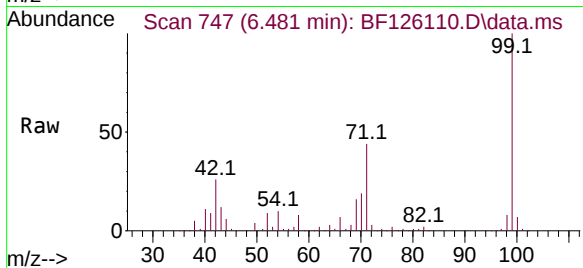




#7
Phenol-d6
Concen: 89.968 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

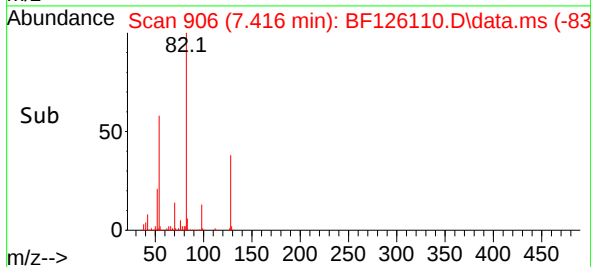
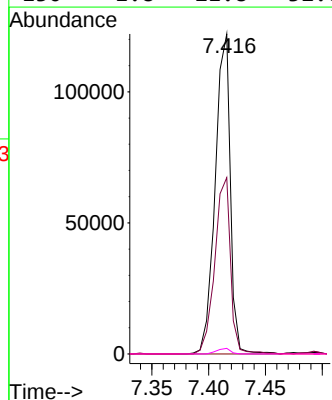
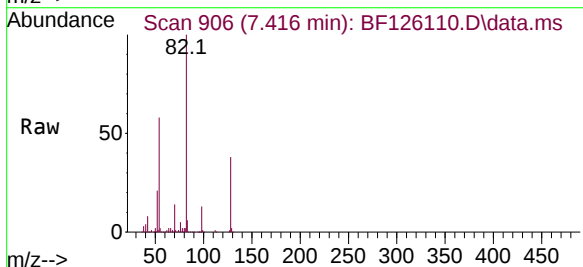
Instrument :
BNA_F
ClientSampleId :
T-1

Tgt Ion: 99 Resp: 1163929
Ion Ratio Lower Upper
99 100
42 26.3 23.5 35.3
71 44.3 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 13.261 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

Tgt Ion: 70 Resp: 113100
Ion Ratio Lower Upper
70 100
42 55.1 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

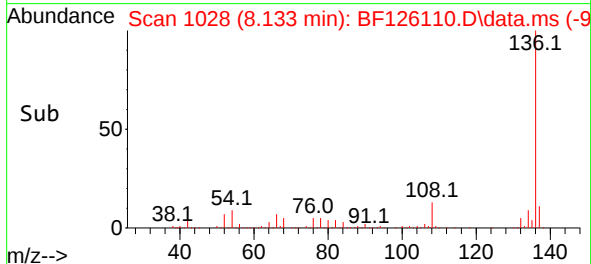
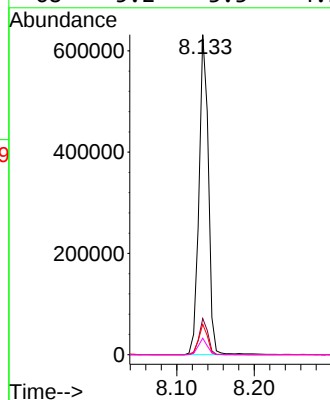
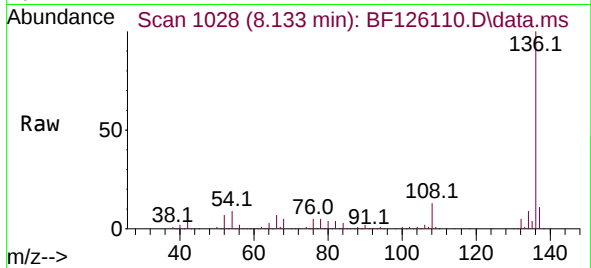




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.133 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

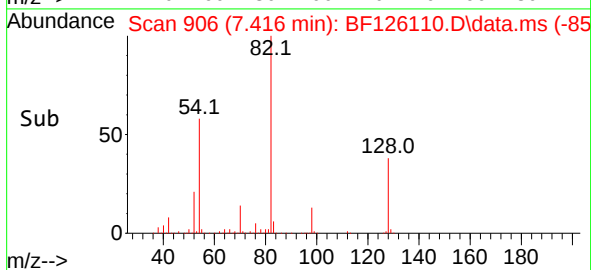
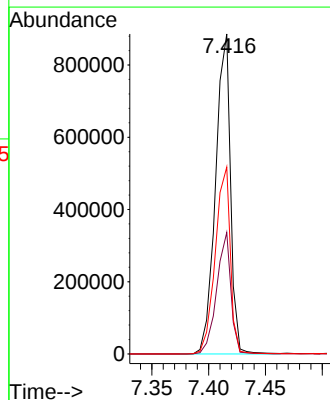
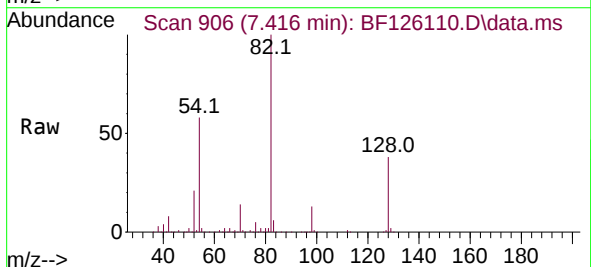
Instrument :
BNA_F
ClientSampleId :
T-1

Tgt Ion:136 Resp: 532076
Ion Ratio Lower Upper
136 100
137 11.3 9.8 14.6
54 9.5 6.4 9.6
68 5.2 3.3 4.9#



#23
Nitrobenzene-d5
Concen: 72.027 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

Tgt Ion: 82 Resp: 812629
Ion Ratio Lower Upper
82 100
128 38.0 40.6 60.8#
54 58.4 49.6 74.4

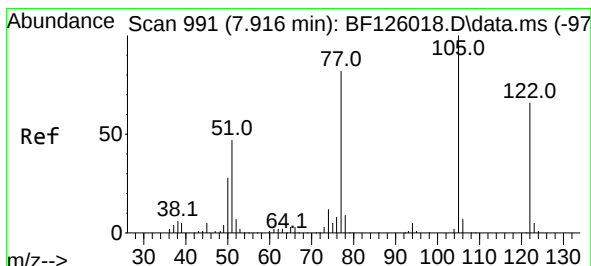
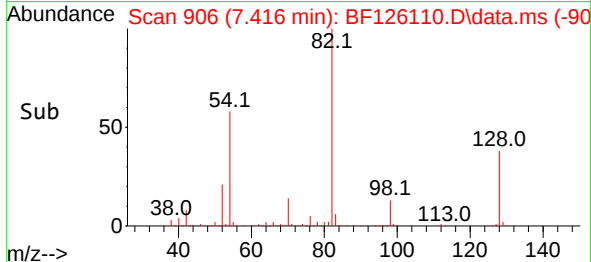
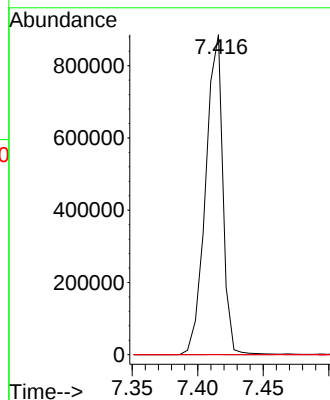
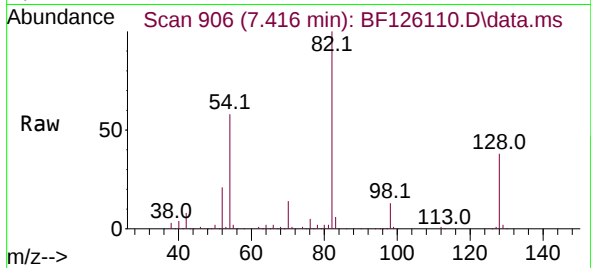




#25
Isophorone
Concen: 39.840 ng
RT: 7.416 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

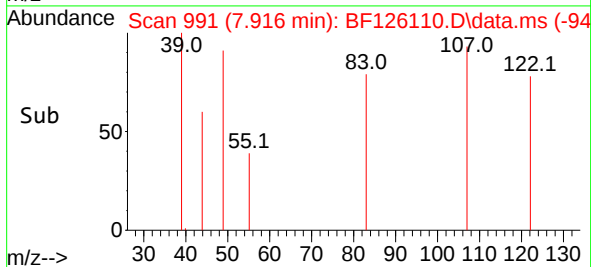
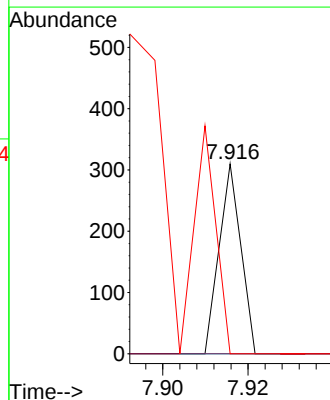
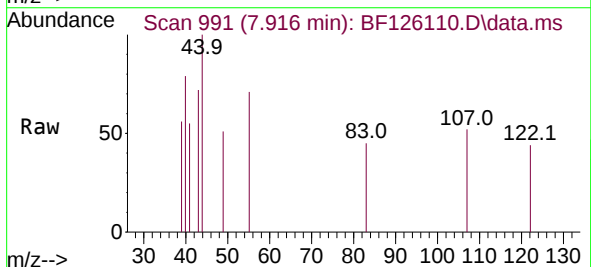
Instrument :
BNA_F
ClientSampleId :
T-1

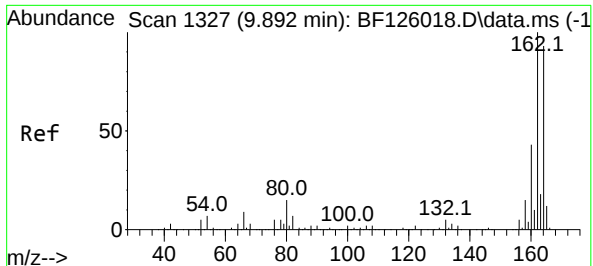
Tgt Ion: 82 Resp: 809275
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#32
Benzoic acid
Concen: 9.161 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

Tgt Ion:122 Resp: 109
Ion Ratio Lower Upper
122 100
105 0.0 97.6 137.6#
77 0.0 59.6 99.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126110.D

Acq: 10 Nov 2021 16:35

Instrument :

BNA_F

ClientSampleId :

T-1

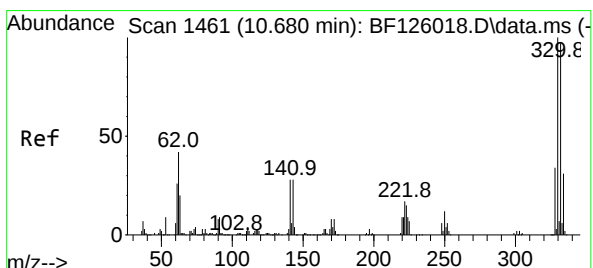
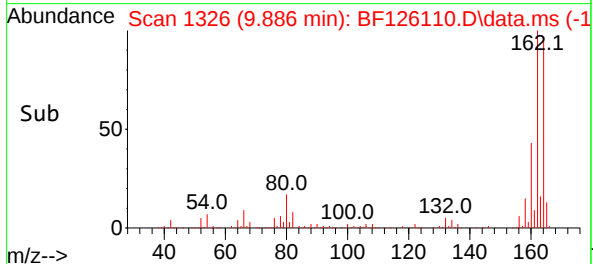
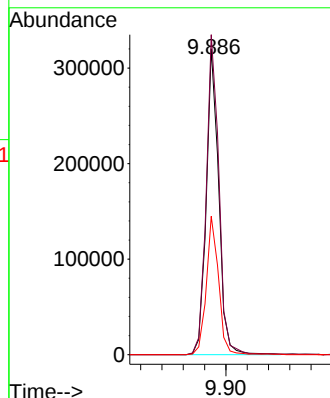
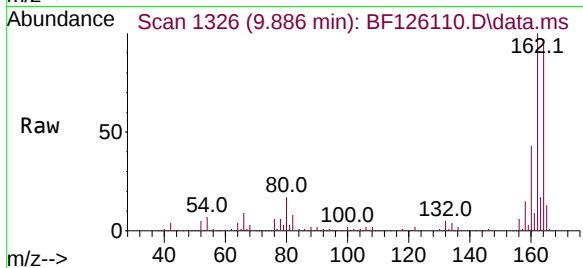
Tgt Ion:164 Resp: 259796

Ion Ratio Lower Upper

164 100

162 104.6 81.3 121.9

160 45.2 38.0 57.0



#42

2,4,6-Tribromophenol

Concen: 93.091 ng

RT: 10.674 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF126110.D

Acq: 10 Nov 2021 16:35

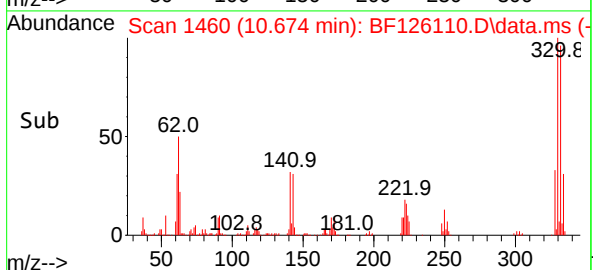
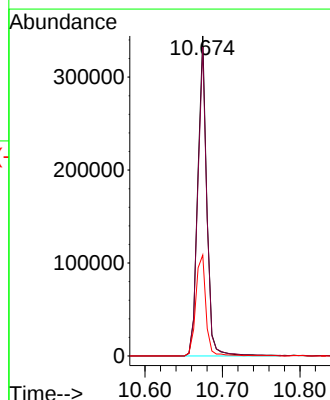
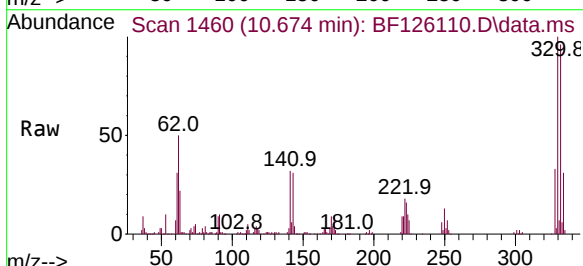
Tgt Ion:330 Resp: 277156

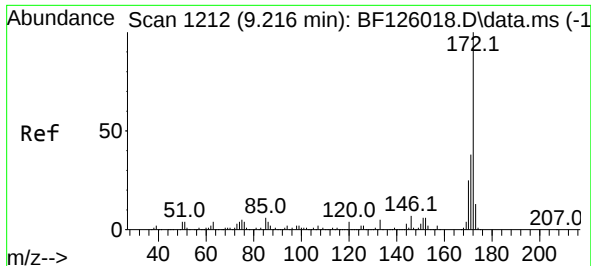
Ion Ratio Lower Upper

330 100

332 97.5 76.2 114.4

141 35.6 44.6 66.8#

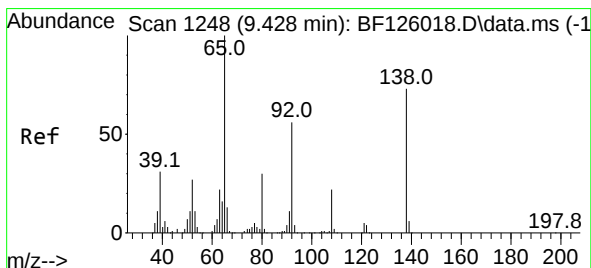
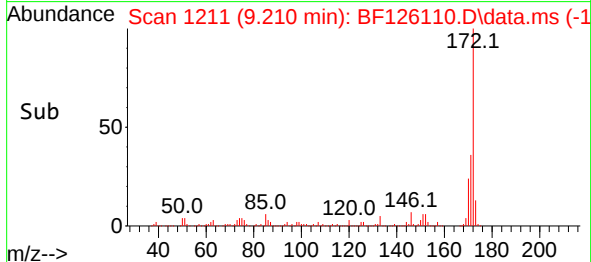
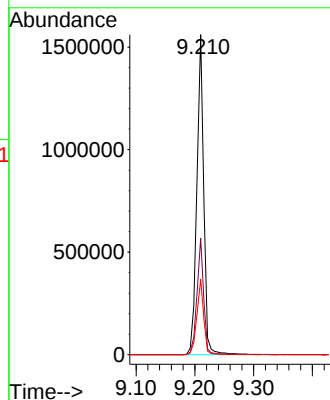
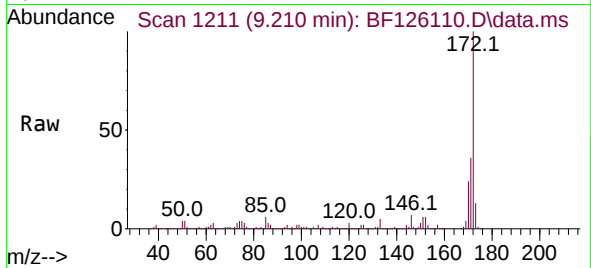




#45
2-Fluorobiphenyl
Concen: 65.986 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

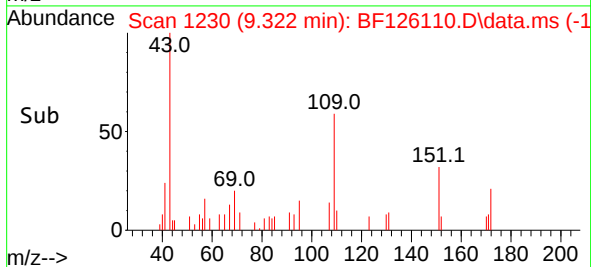
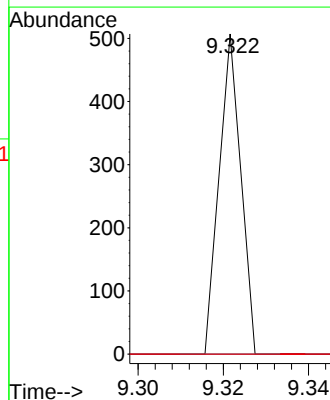
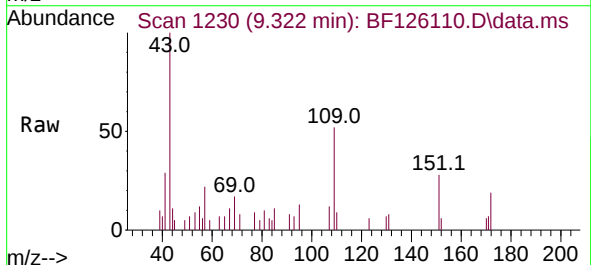
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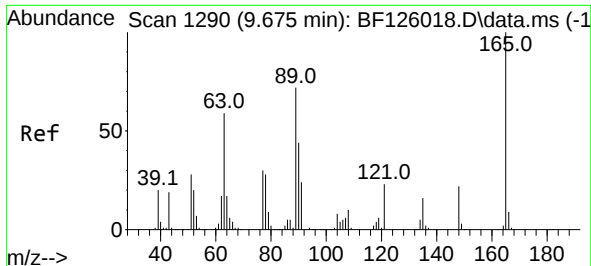
Tgt Ion:172 Resp: 1268571
Ion Ratio Lower Upper
172 100
171 36.4 26.5 39.7
170 23.6 18.8 28.2



#48
2-Nitroaniline
Concen: 2.882 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.106 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

Tgt Ion: 65 Resp: 179
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#

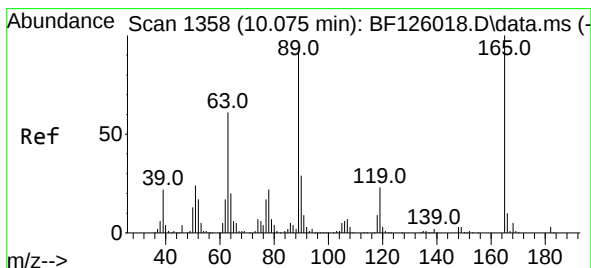
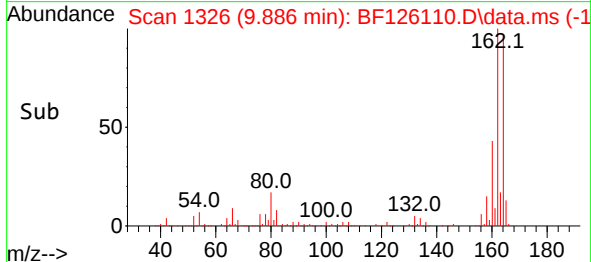
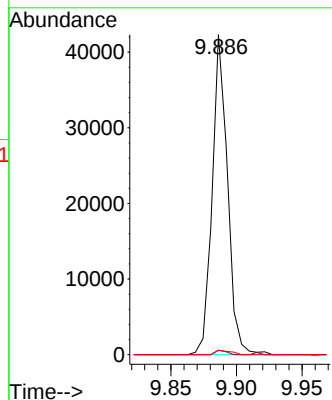
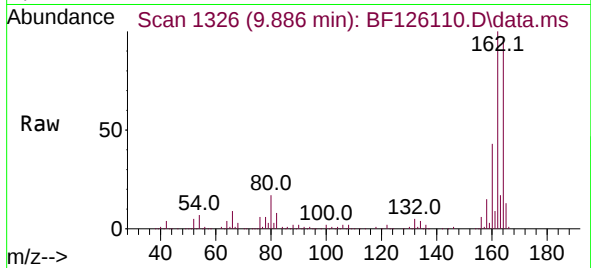




#51
2,6-Dinitrotoluene
Concen: 10.610 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.211 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

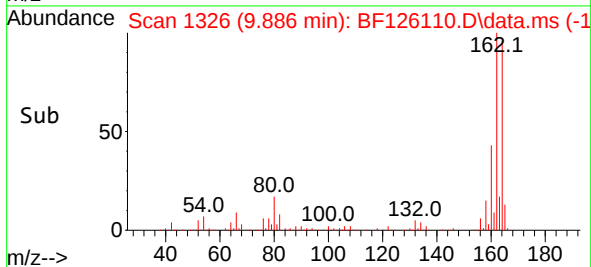
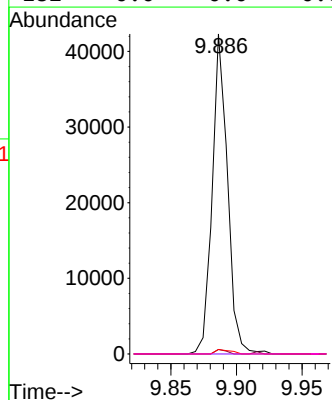
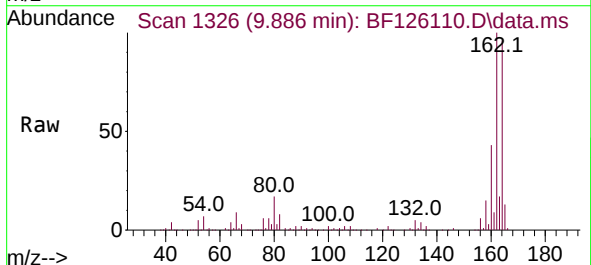
Instrument :
BNA_F
ClientSampleId :
T-1

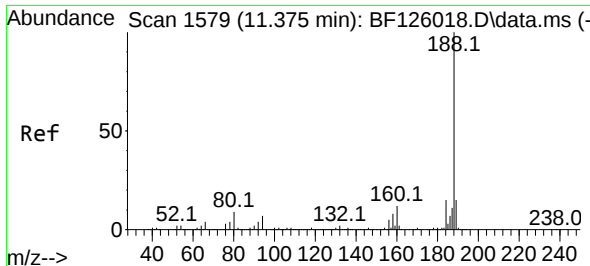
Tgt Ion:165 Resp: 34399
Ion Ratio Lower Upper
165 100
63 1.4 42.6 63.8#
89 1.4 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 10.045 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.189 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

Tgt Ion:165 Resp: 34399
Ion Ratio Lower Upper
165 100
63 1.4 40.9 61.3#
89 1.4 59.7 89.5#
182 0.0 0.0 0.0

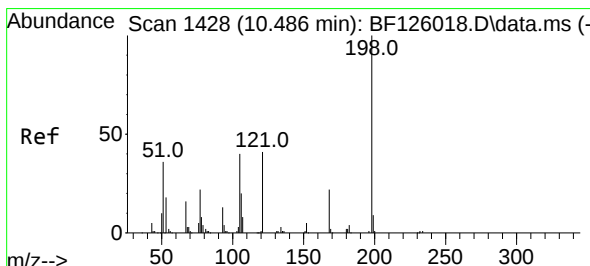
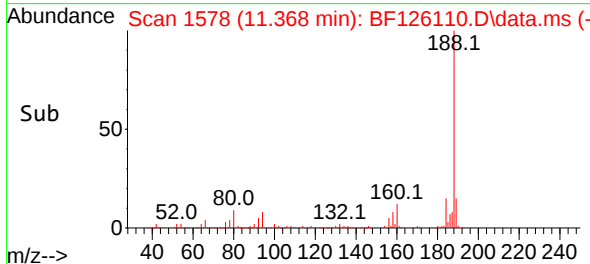
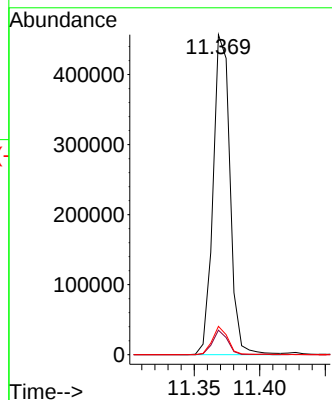
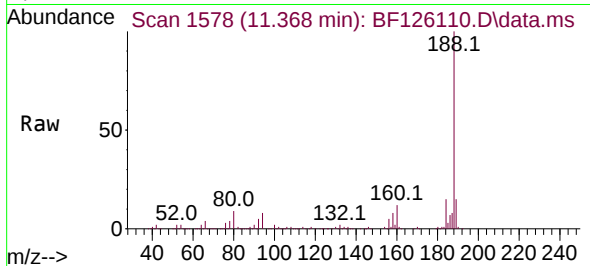




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.368 min Scan# 1
Delta R.T. -0.007 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

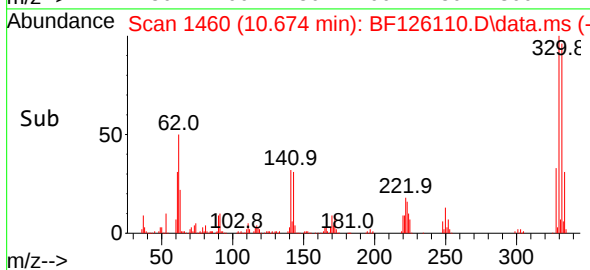
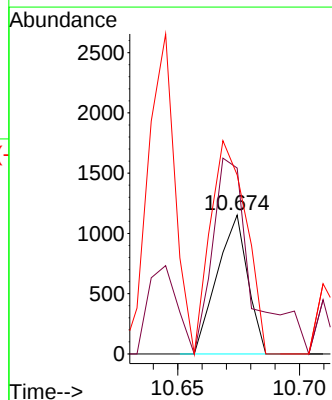
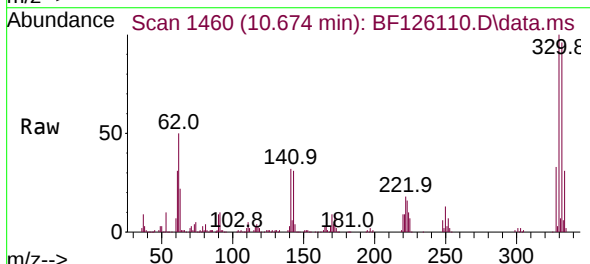
Instrument :
BNA_F
ClientSampleId :
T-1

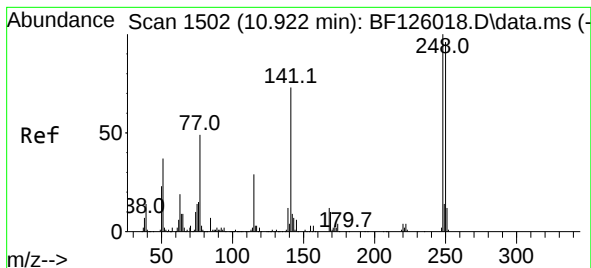
Tgt Ion:188 Resp: 409571
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 8.9 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 8.739 ng
RT: 10.674 min Scan# 1460
Delta R.T. 0.188 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

Tgt Ion:198 Resp: 1007
Ion Ratio Lower Upper
198 100
51 133.9 45.3 85.3#
105 129.0 30.6 70.6#

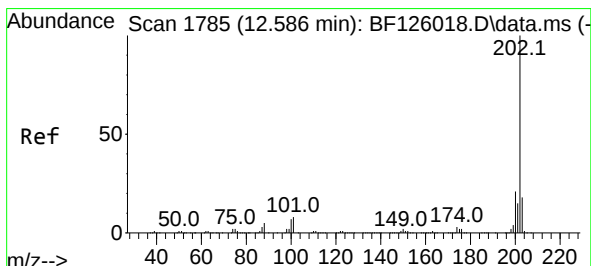
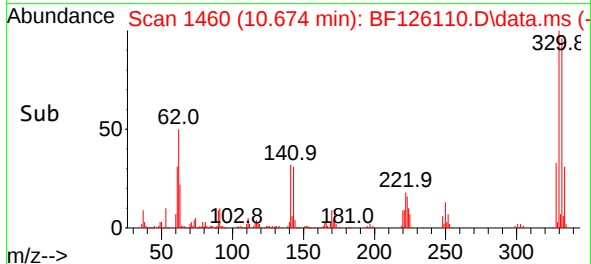
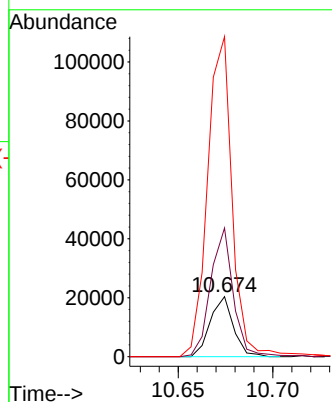
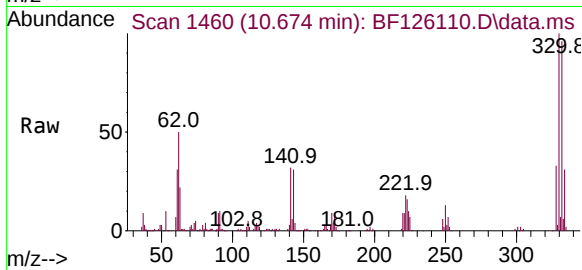




#67
4-Bromophenyl-phenylether
Concen: 3.500 ng
RT: 10.674 min Scan# 14
Delta R.T. -0.248 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

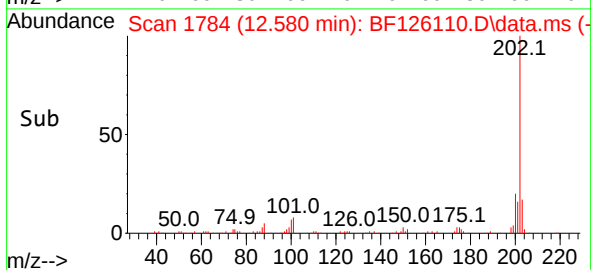
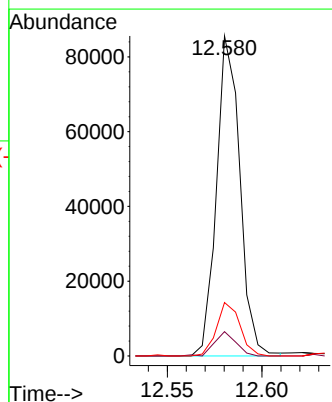
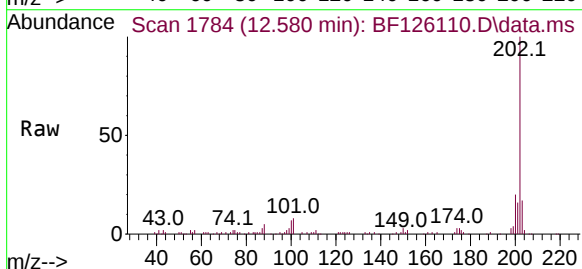
Instrument :
BNA_F
ClientSampleId :
T-1

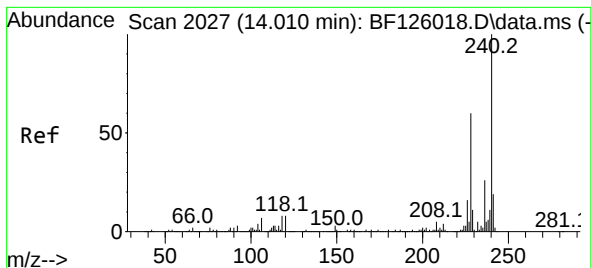
Tgt Ion:248 Resp: 17362
Ion Ratio Lower Upper
248 100
250 214.0 74.2 111.4#
141 532.6 60.4 90.6#



#75
Fluoranthene
Concen: 2.976 ng
RT: 12.580 min Scan# 1784
Delta R.T. -0.006 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

Tgt Ion:202 Resp: 73596
Ion Ratio Lower Upper
202 100
101 7.6 0.0 30.7
203 16.7 0.0 36.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.009 min Scan# 20

Delta R.T. -0.001 min

Lab File: BF126110.D

Acq: 10 Nov 2021 16:35

Instrument :

BNA_F

ClientSampleId :

T-1

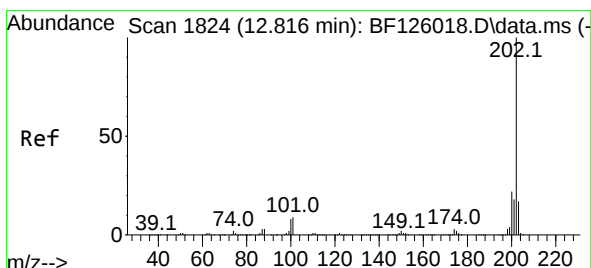
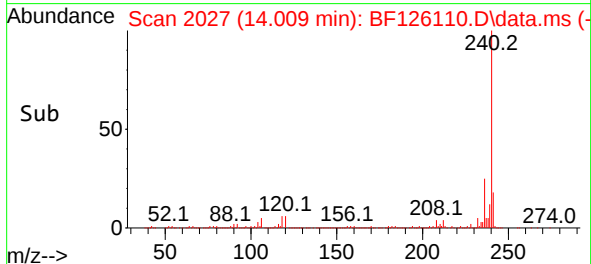
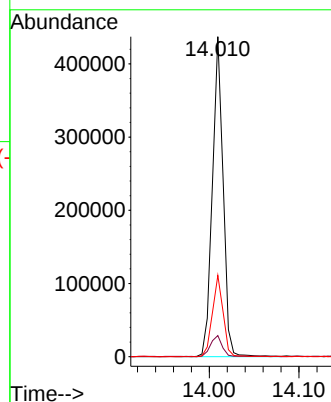
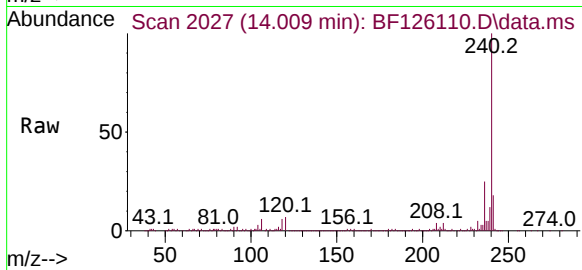
Tgt Ion:240 Resp: 363751

Ion Ratio Lower Upper

240 100

120 6.6 10.8 16.2#

236 25.4 21.6 32.4



#78

Pyrene

Concen: 2.146 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF126110.D

Acq: 10 Nov 2021 16:35

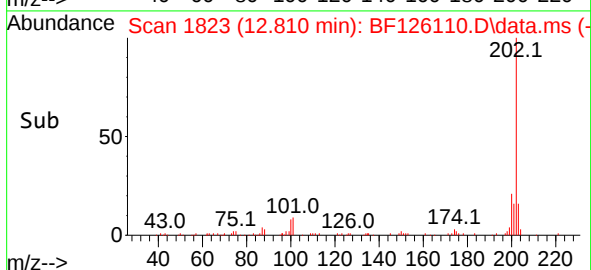
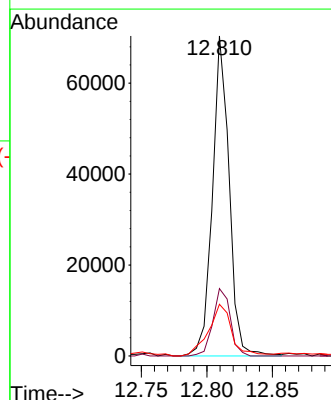
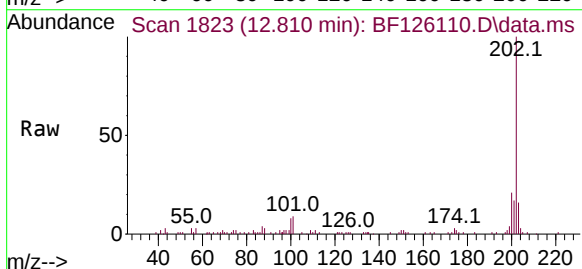
Tgt Ion:202 Resp: 62607

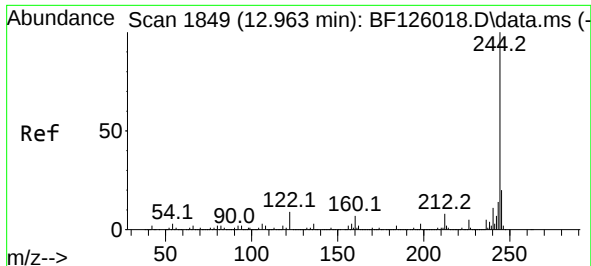
Ion Ratio Lower Upper

202 100

200 21.1 15.3 22.9

203 16.1 13.4 20.0

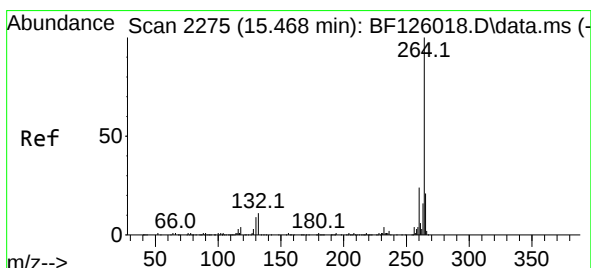
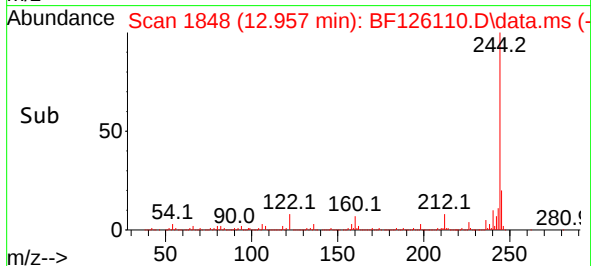
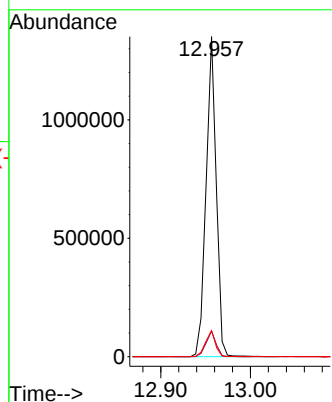
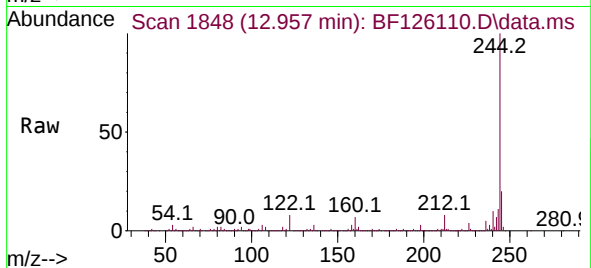




#79
 Terphenyl-d14
 Concen: 47.233 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF126110.D
 Acq: 10 Nov 2021 16:35

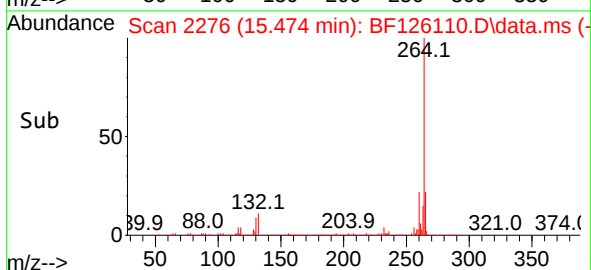
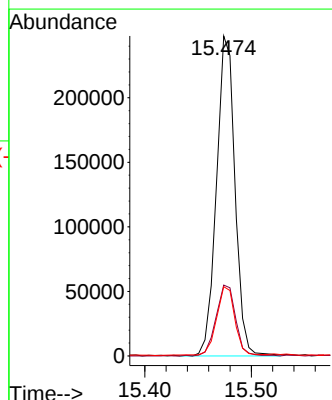
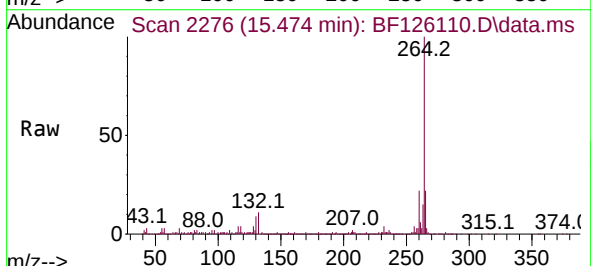
Instrument :
 BNA_F
 ClientSampleId :
 T-1

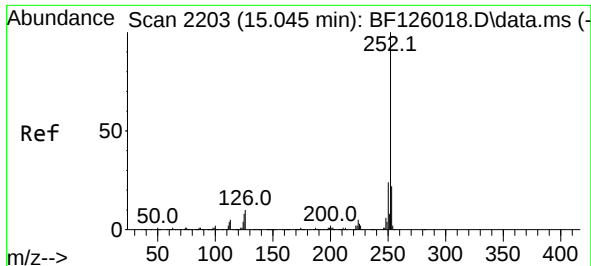
Tgt Ion:244 Resp: 1065468
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.9 8.9
 122 8.1 9.0 13.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. 0.006 min
 Lab File: BF126110.D
 Acq: 10 Nov 2021 16:35

Tgt Ion:264 Resp: 299378
 Ion Ratio Lower Upper
 264 100
 260 22.2 19.6 29.4
 265 21.7 17.2 25.8

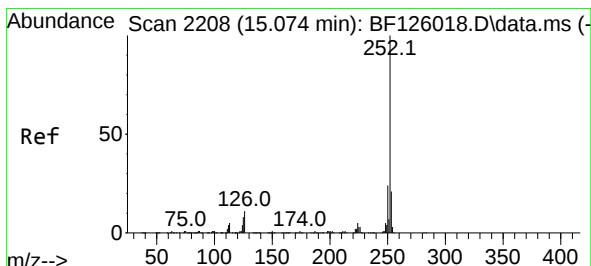
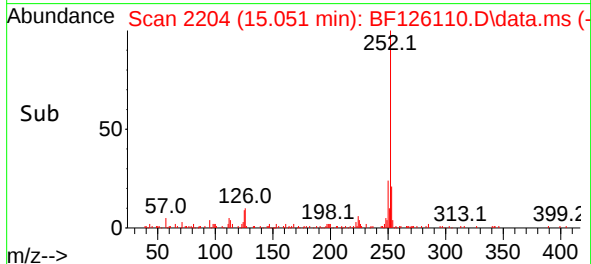
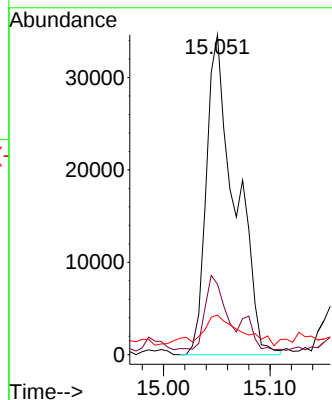
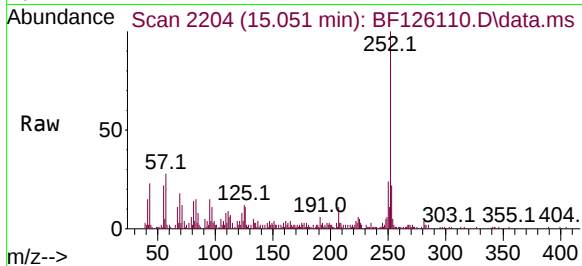




#88
Benzo(b)fluoranthene
Concen: 3.346 ng
RT: 15.051 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

Instrument :
BNA_F
ClientSampleId :
T-1

Tgt Ion:252 Resp: 65164
Ion Ratio Lower Upper
252 100
253 22.1 16.8 25.2
125 12.4 9.8 14.8



#89
Benzo(k)fluoranthene
Concen: 3.450 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.024 min
Lab File: BF126110.D
Acq: 10 Nov 2021 16:35

Tgt Ion:252 Resp: 65164
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 12.4 7.2 10.8#

