

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126376.D
 Acq On : 28 Dec 2021 1:51
 Operator : JU/CG
 Sample : M5191-01DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-(0-3.5)-12-21-2021DL

Quant Time: Dec 28 06:02:28 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

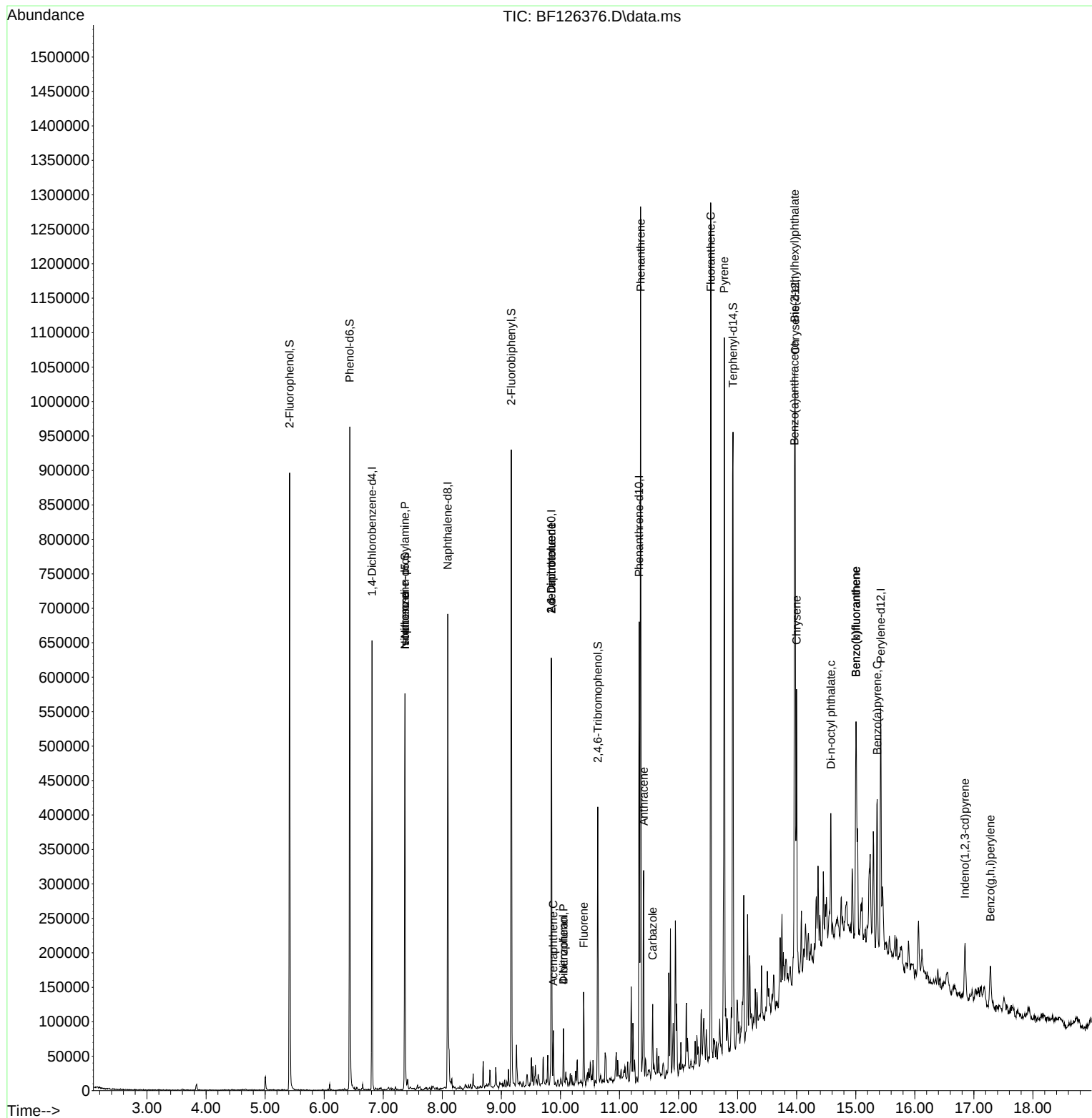
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	84076	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	309462	20.000	ng	#-0.01
39) Acenaphthene-d10	9.845	164	128205	20.000	ng	-0.01
64) Phenanthrene-d10	11.333	188	227324	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	201259	20.000	ng	0.00
86) Perylene-d12	15.421	264	146024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	252655	44.254	ng	-0.01
7) Phenol-d6	6.434	99	320955	44.275	ng	-0.01
23) Nitrobenzene-d5	7.369	82	184171	32.232	ng	-0.01
42) 2,4,6-Tribromophenol	10.633	330	39639	38.473	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	268986	36.798	ng	-0.01
79) Terphenyl-d14	12.921	244	291265	25.154	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	21663	4.868	ng	# 54
25) Isophorone	7.369	82	184169	17.068	ng	# 59
51) 2,6-Dinitrotoluene	9.845	165	17201	9.786	ng	# 26
52) Acenaphthene	9.880	154	15643	2.213	ng	98
55) Dibenzofuran	10.051	168	22013	2.288	ng	96
56) 4-Nitrophenol	10.051	139	8473	5.250	ng	# 14
57) 2,4-Dinitrotoluene	9.845	165	17201	7.671	ng	# 18
58) Fluorene	10.392	166	37232	5.345	ng	99
71) Phenanthrene	11.357	178	427848	36.466	ng	98
72) Anthracene	11.410	178	112635	9.564	ng	98
73) Carbazole	11.563	167	38181	3.443	ng	98
75) Fluoranthene	12.545	202	486555	46.027	ng	92
78) Pyrene	12.774	202	400338	21.651	ng	98
81) Benzo(a)anthracene	13.963	228	200817	16.845	ng	98
83) Chrysene	13.998	228	152156	12.284	ng	96
84) Bis(2-ethylhexyl)phtha...	13.968	149	50917	5.237	ng	# 63
85) Di-n-octyl phthalate	14.580	149	92482	5.336	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.851	276	49949	5.128	ng	97
88) Benzo(b)fluoranthene	15.004	252	216592	24.686	ng	# 95
89) Benzo(k)fluoranthene	15.004	252	216592	25.805	ng	# 93
90) Benzo(a)pyrene	15.362	252	103729	14.225	ng	# 95
92) Benzo(g,h,i)perylene	17.280	276	46810	5.714	ng	97

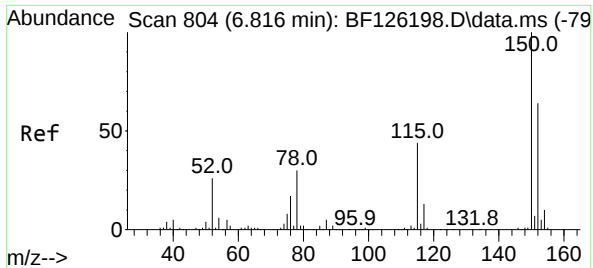
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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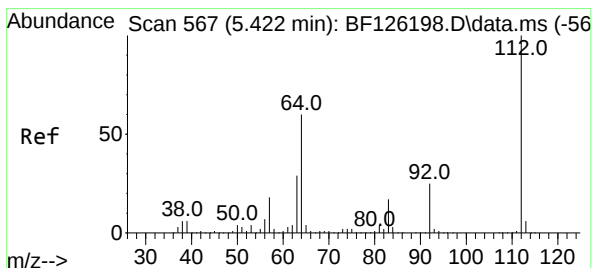
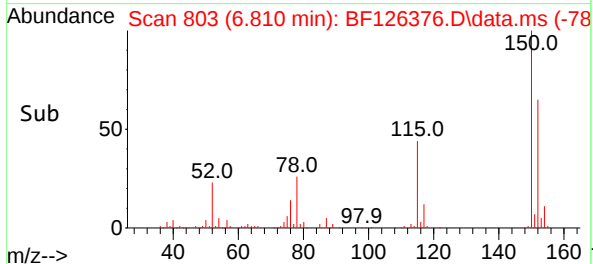
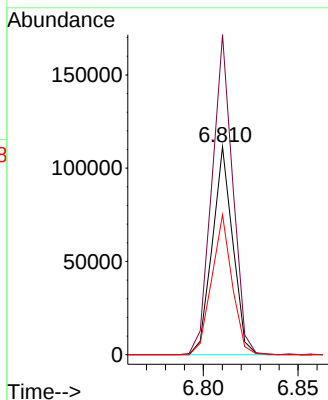
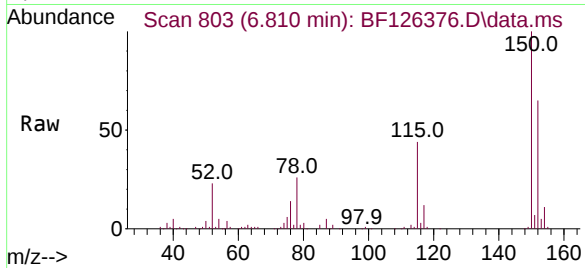




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

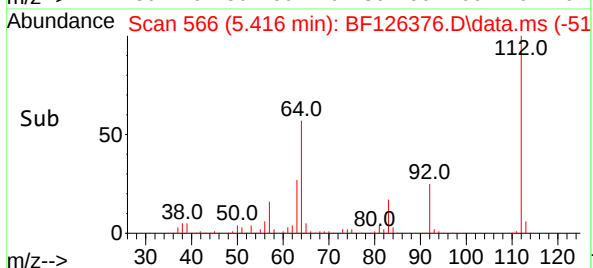
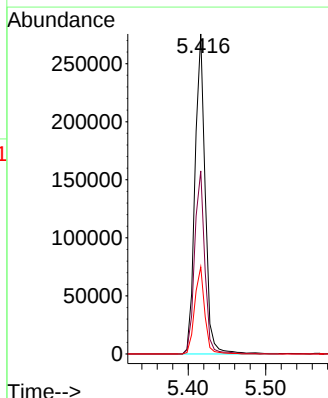
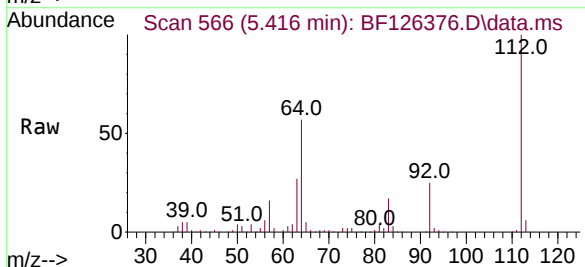
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL

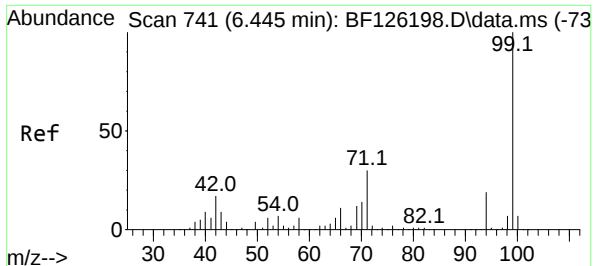
Tgt Ion:152 Resp: 84076
Ion Ratio Lower Upper
152 100
150 153.8 117.6 176.4
115 67.3 47.1 70.7



#5
2-Fluorophenol
Concen: 44.254 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Tgt Ion:112 Resp: 252655
Ion Ratio Lower Upper
112 100
64 57.2 44.2 66.2
63 27.2 26.2 39.2

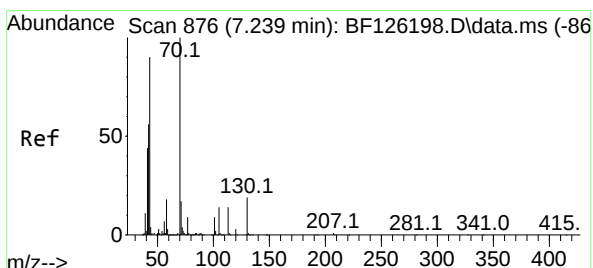
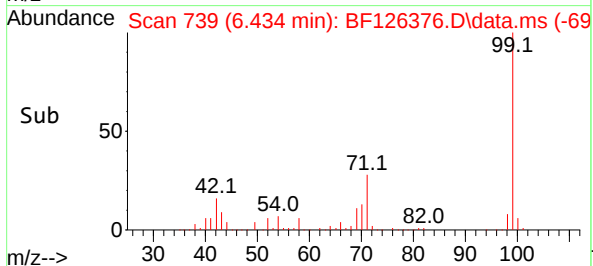
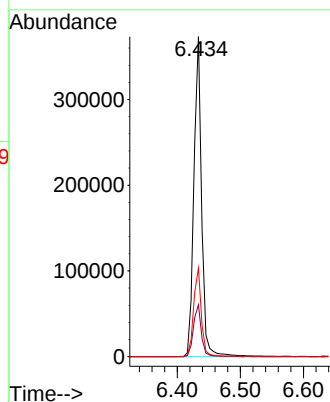
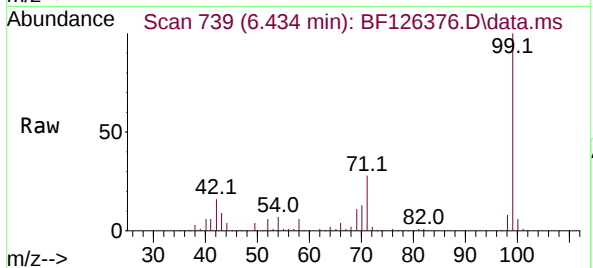




#7
Phenol-d6
Concen: 44.275 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

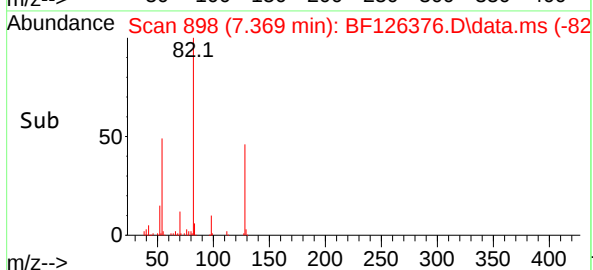
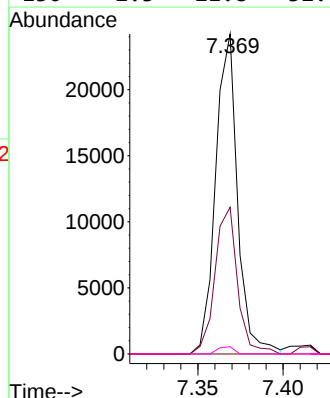
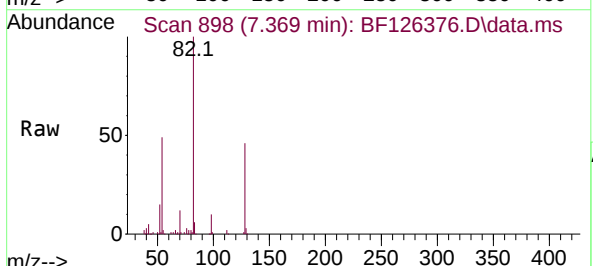
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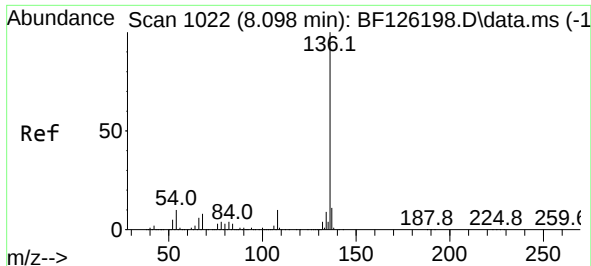
Tgt Ion: 99 Resp: 320955
Ion Ratio Lower Upper
99 100
42 16.2 23.5 35.3#
71 27.7 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.868 ng
RT: 7.369 min Scan# 898
Delta R.T. 0.135 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Tgt Ion: 70 Resp: 21663
Ion Ratio Lower Upper
70 100
42 45.8 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

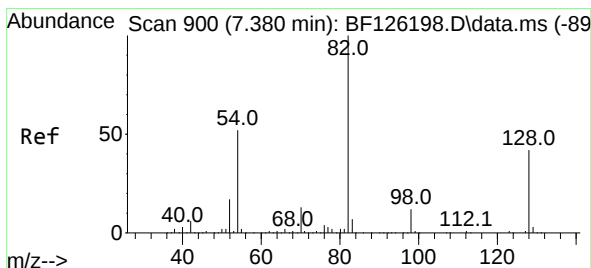
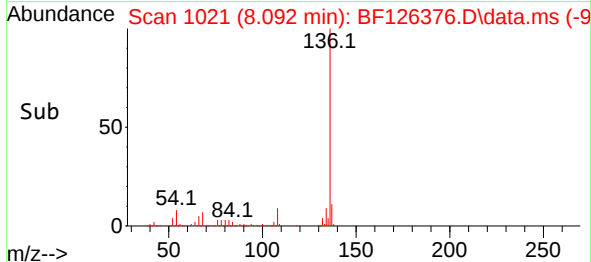
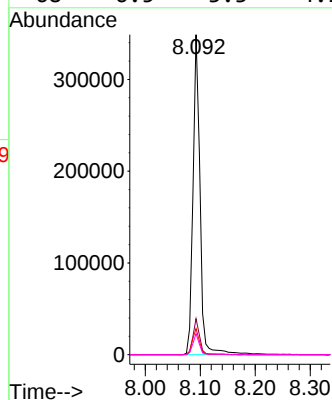
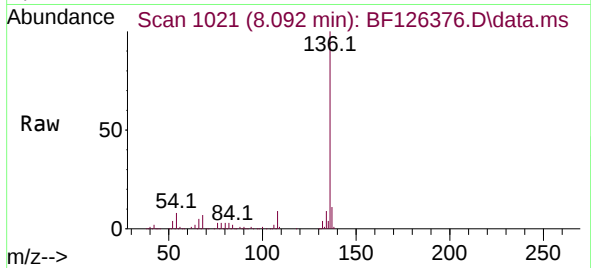




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

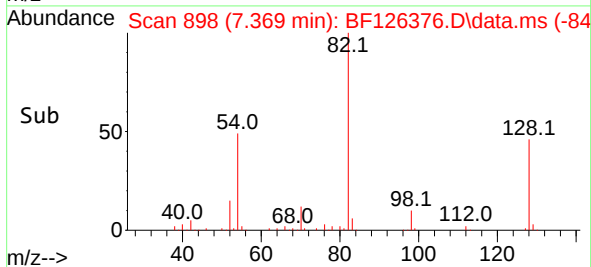
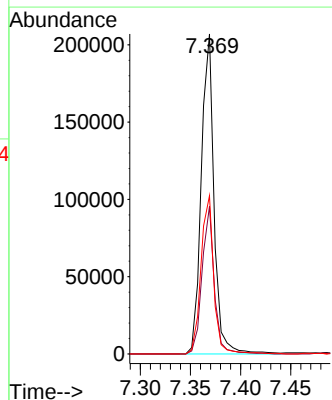
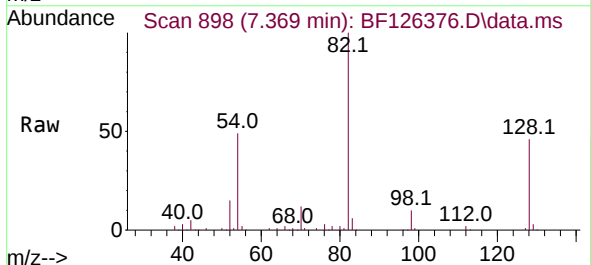
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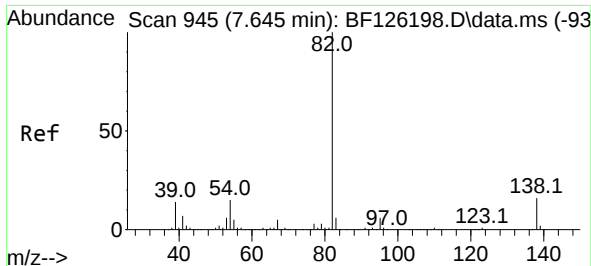
Tgt Ion:	136	Resp:	309462
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.8	14.6
54	8.2	6.4	9.6
68	6.5	3.3	4.9



#23
Nitrobenzene-d5
Concen: 32.232 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
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Tgt Ion:	82	Resp:	184171
Ion Ratio	Lower	Upper	
82	100		
128	46.2	40.6	60.8
54	49.5	49.6	74.4

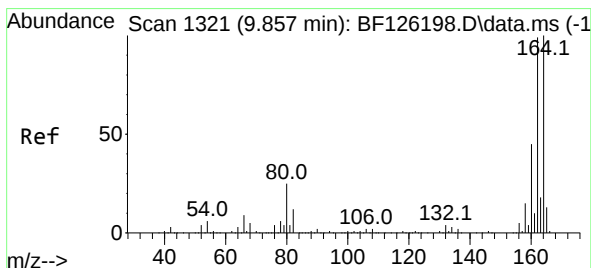
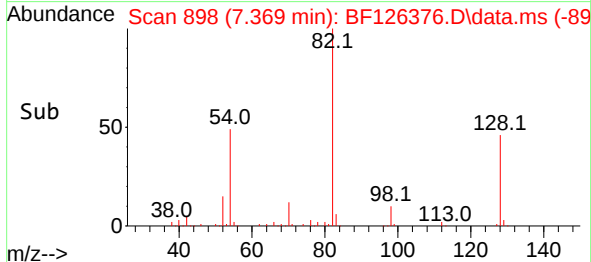
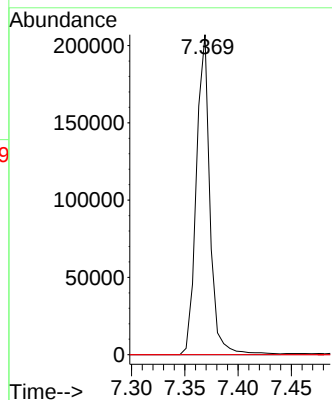
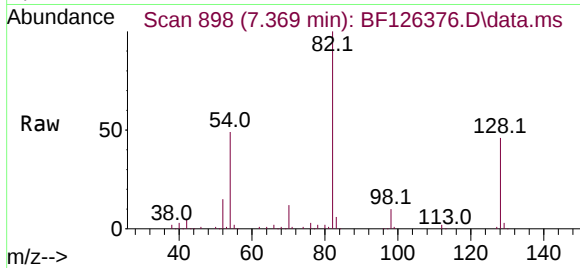




#25
Isophorone
Concen: 17.068 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

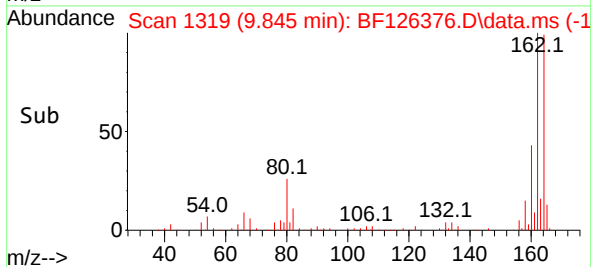
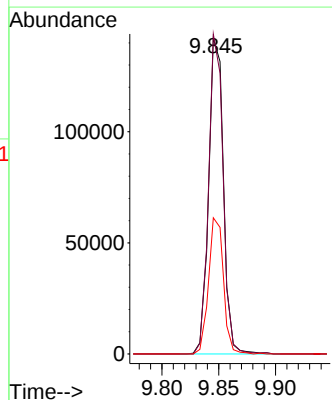
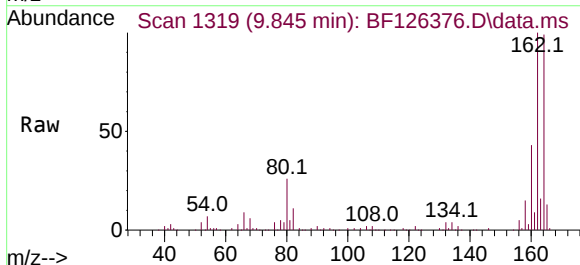
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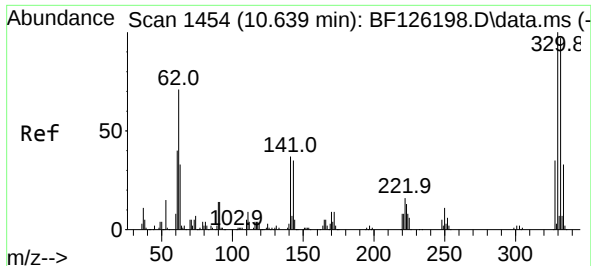
Tgt Ion: 82 Resp: 184169
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

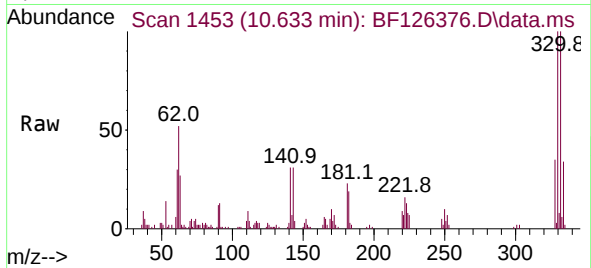
Tgt Ion:164 Resp: 128205
Ion Ratio Lower Upper
164 100
162 101.4 81.3 121.9
160 43.1 38.0 57.0



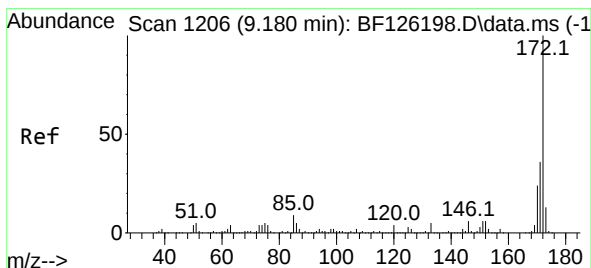
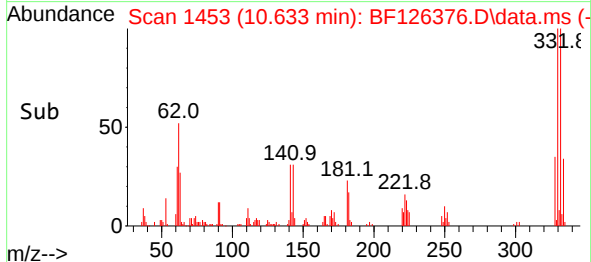
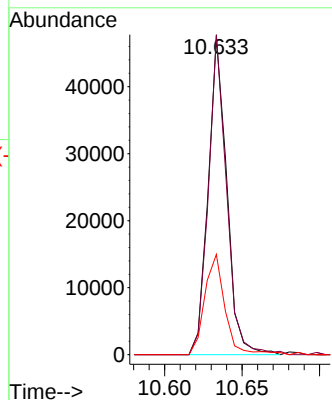


#42
2,4,6-Tribromophenol
Concen: 38.473 ng
RT: 10.633 min Scan# 1454
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

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TP-(0-3.5)-12-21-2021DL

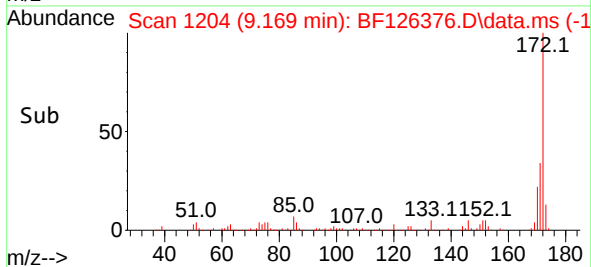
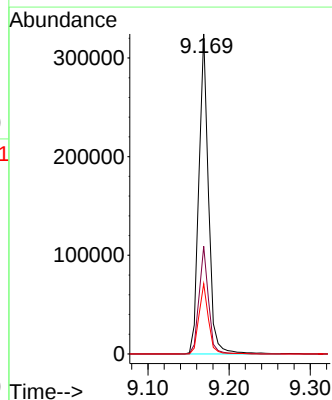
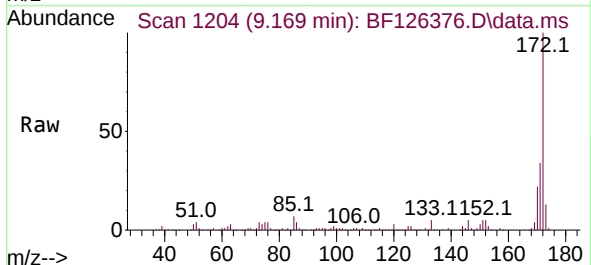


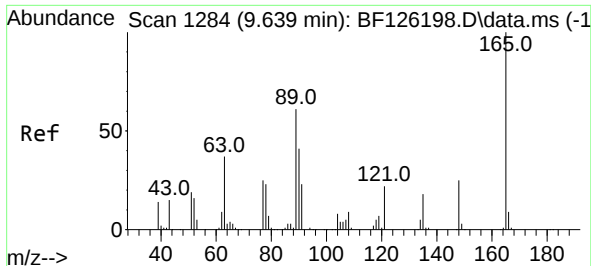
Tgt Ion: 330 Resp: 39639
Ion Ratio Lower Upper
330 100
332 98.1 76.2 114.4
141 34.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 36.798 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Tgt Ion: 172 Resp: 268986
Ion Ratio Lower Upper
172 100
171 33.7 26.5 39.7
170 22.0 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 9.786 ng

RT: 9.845 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF126376.D

Acq: 28 Dec 2021 1:51

Instrument :

BNA_F

ClientSampleId :

TP-(0-3.5)-12-21-2021DL

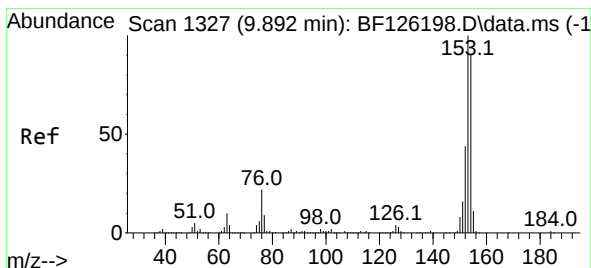
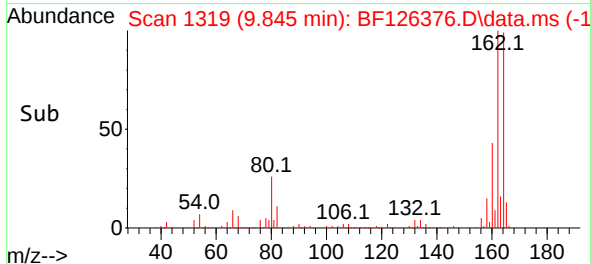
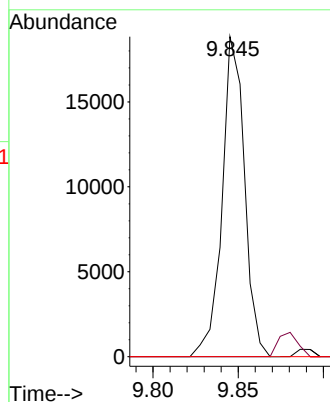
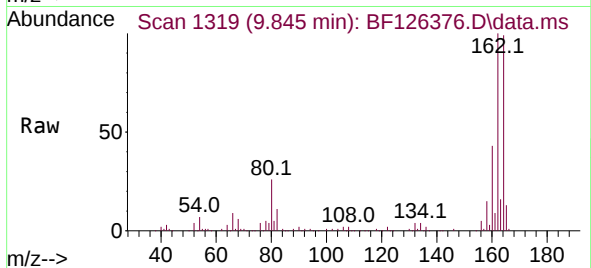
Tgt Ion:165 Resp: 17201

Ion Ratio Lower Upper

165 100

63 0.0 42.6 63.8#

89 0.0 40.6 60.8#



#52

Acenaphthene

Concen: 2.213 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.012 min

Lab File: BF126376.D

Acq: 28 Dec 2021 1:51

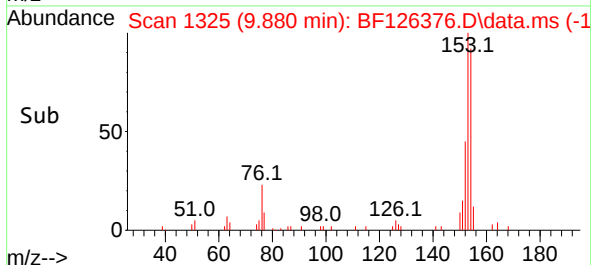
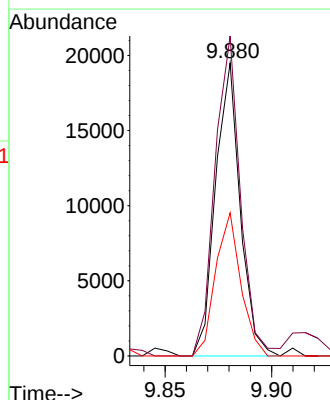
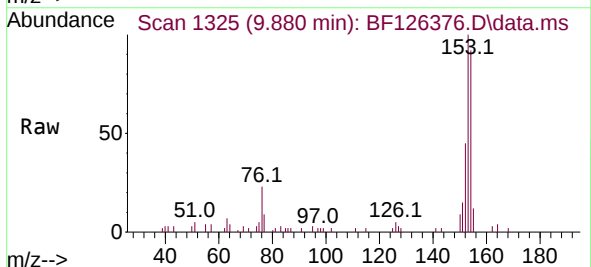
Tgt Ion:154 Resp: 15643

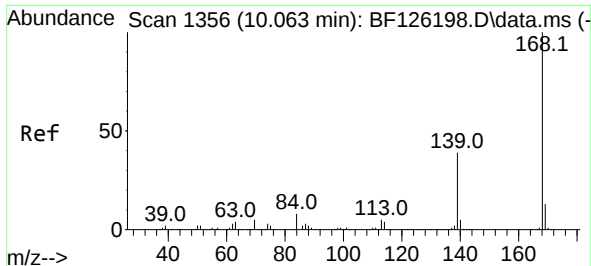
Ion Ratio Lower Upper

154 100

153 109.2 89.4 134.2

152 48.9 40.5 60.7

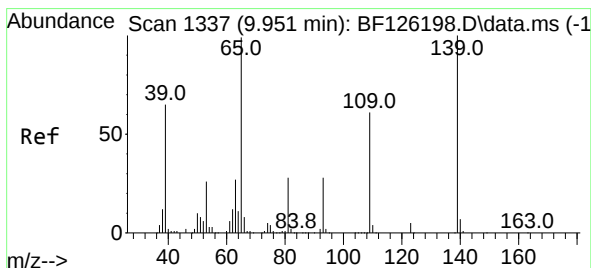
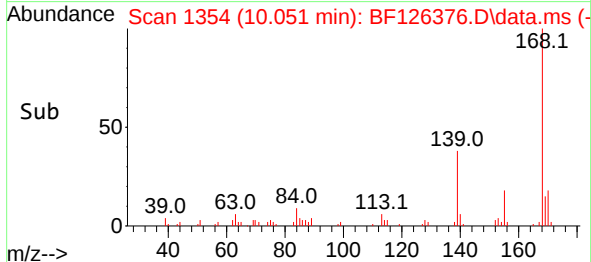
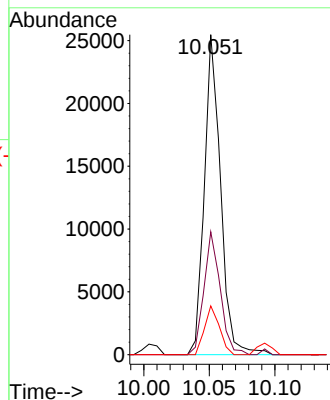
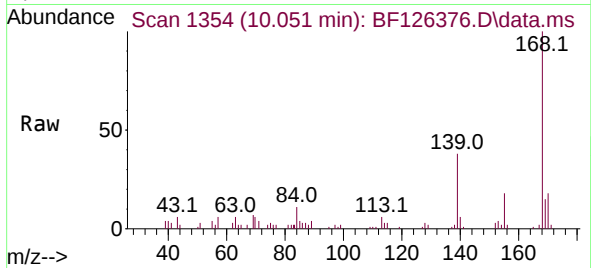




#55
Dibenzenofuran
Concen: 2.288 ng
RT: 10.051 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

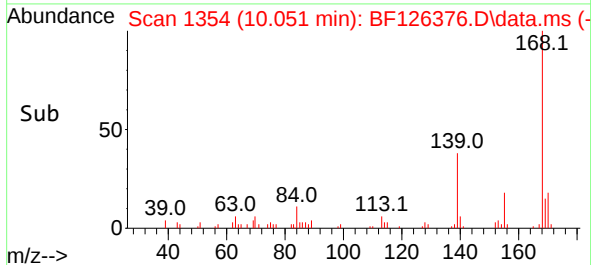
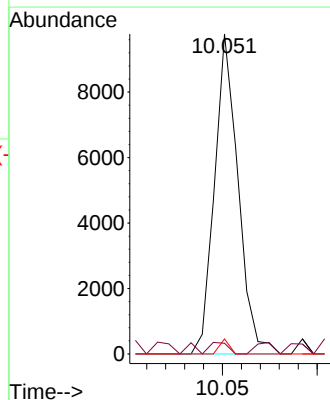
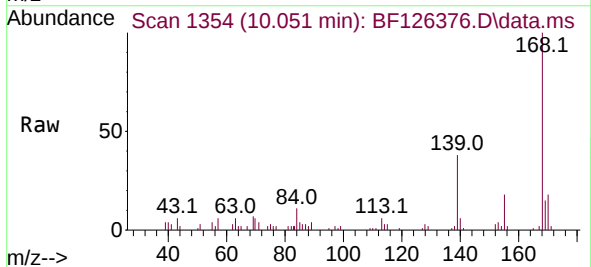
Instrument :
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ClientSampleId :
TP-(0-3.5)-12-21-2021DL

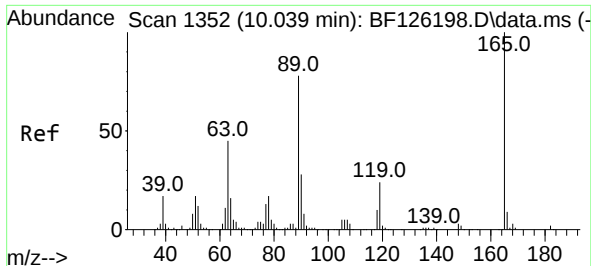
Tgt Ion:168 Resp: 22013
Ion Ratio Lower Upper
168 100
139 38.4 32.7 49.1
169 15.2 11.2 16.8



#56
4-Nitrophenol
Concen: 5.250 ng
RT: 10.051 min Scan# 1354
Delta R.T. 0.088 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Tgt Ion:139 Resp: 8473
Ion Ratio Lower Upper
139 100
109 3.3 60.4 100.4#
65 4.7 58.4 98.4#

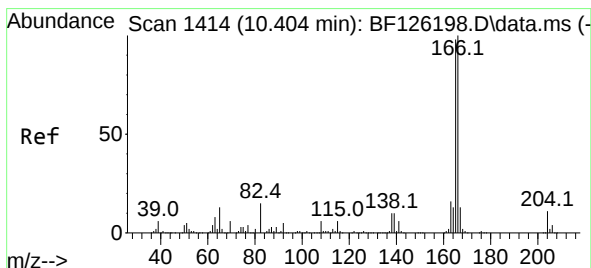
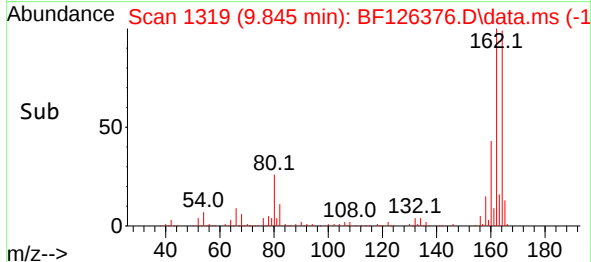
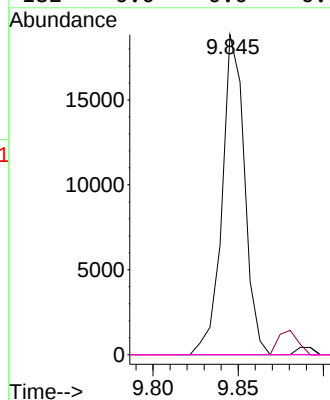
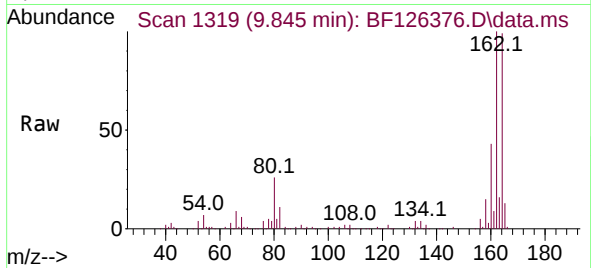




#57
2,4-Dinitrotoluene
Concen: 7.671 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

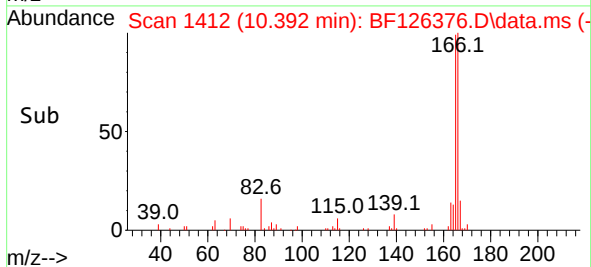
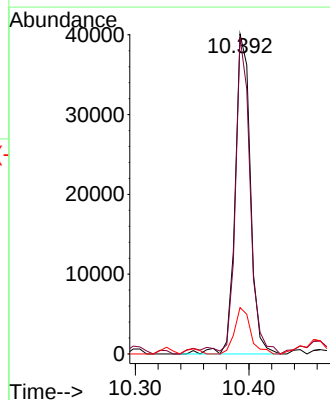
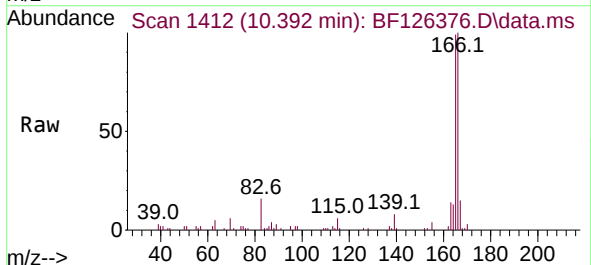
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL

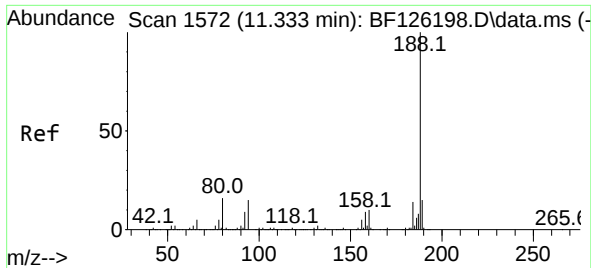
Tgt Ion:165 Resp: 17201
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0



#58
Fluorene
Concen: 5.345 ng
RT: 10.392 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Tgt Ion:166 Resp: 37232
Ion Ratio Lower Upper
166 100
165 99.0 78.1 117.1
167 14.5 11.1 16.7

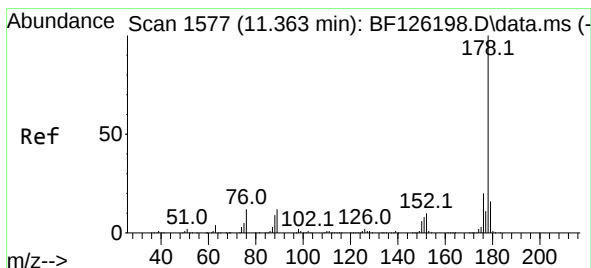
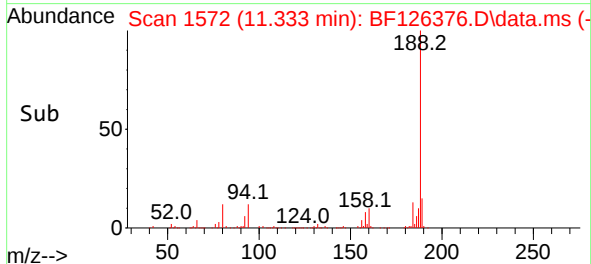
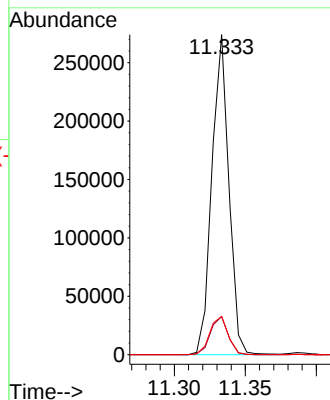
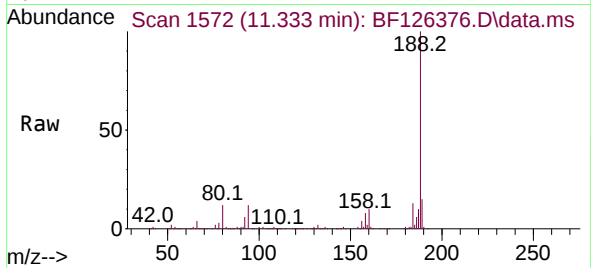




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

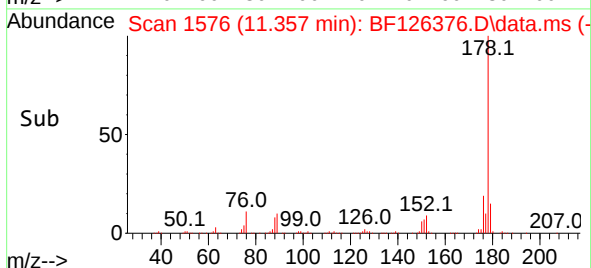
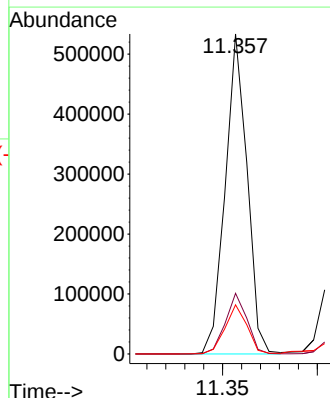
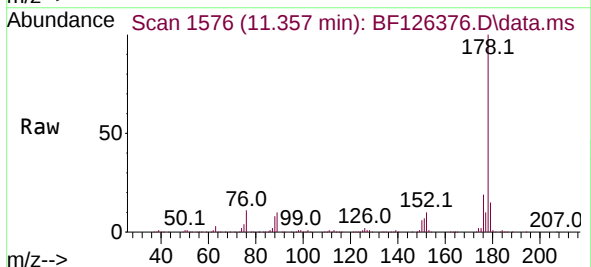
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL

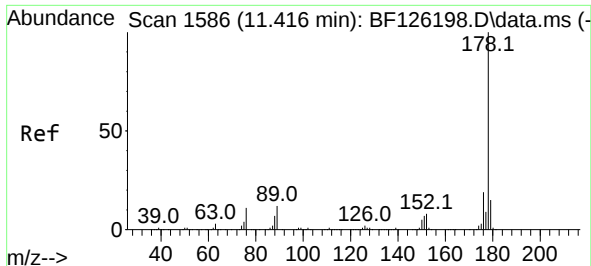
Tgt Ion:188 Resp: 227324
Ion Ratio Lower Upper
188 100
94 11.9 6.7 10.1#
80 11.9 7.5 11.3#



#71
Phenanthrene
Concen: 36.466 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Tgt Ion:178 Resp: 427848
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.4 11.5 17.3

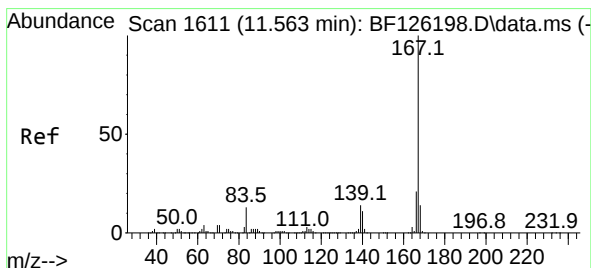
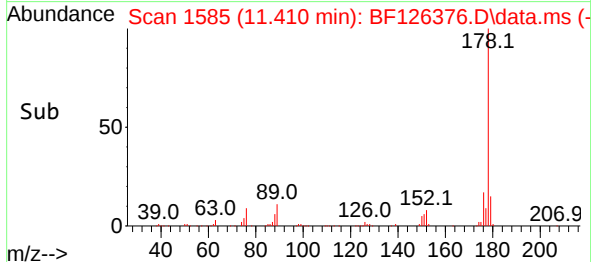
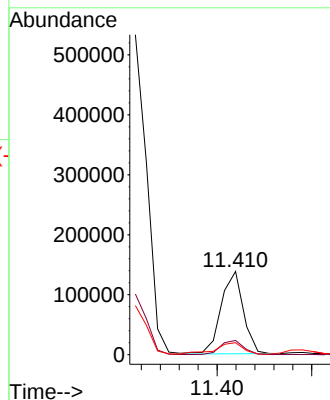
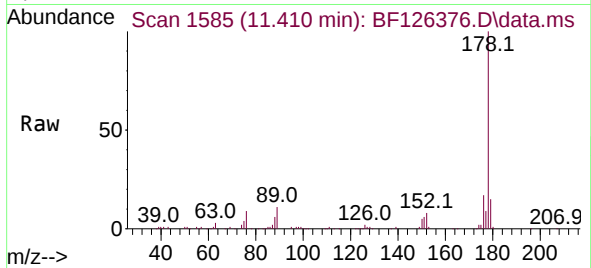




#72
 Anthracene
 Concen: 9.564 ng
 RT: 11.410 min Scan# 1586
 Delta R.T. -0.006 min
 Lab File: BF126376.D
 Acq: 28 Dec 2021 1:51

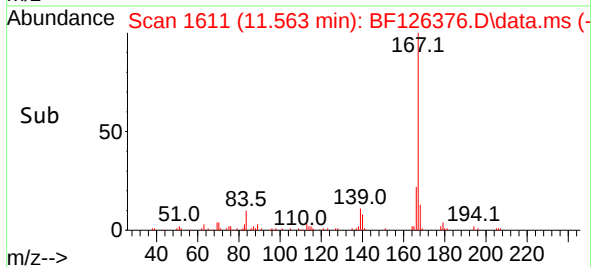
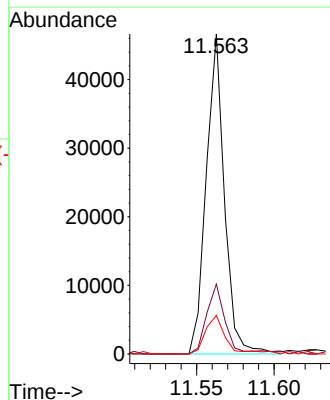
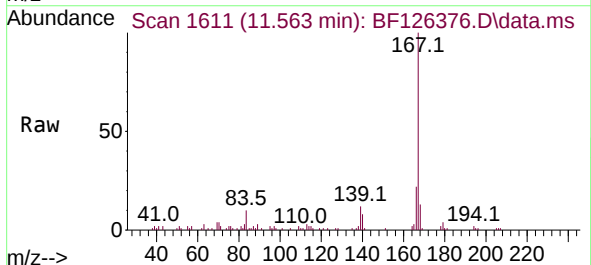
Instrument :
 BNA_F
 ClientSampleId :
 TP-(0-3.5)-12-21-2021DL

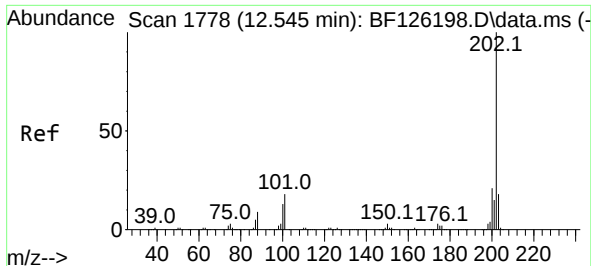
Tgt Ion:178 Resp: 112635
 Ion Ratio Lower Upper
 178 100
 176 17.1 14.3 21.5
 179 14.5 12.2 18.4



#73
 Carbazole
 Concen: 3.443 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.006 min
 Lab File: BF126376.D
 Acq: 28 Dec 2021 1:51

Tgt Ion:167 Resp: 38181
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 12.1 11.0 16.4

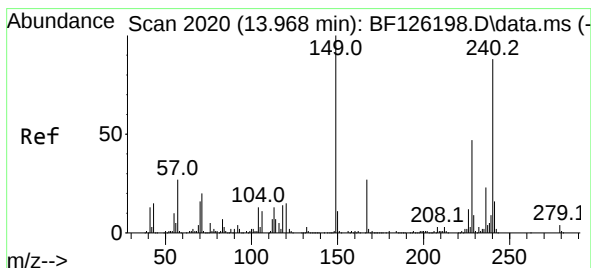
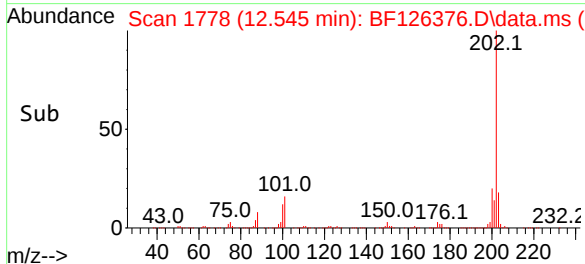
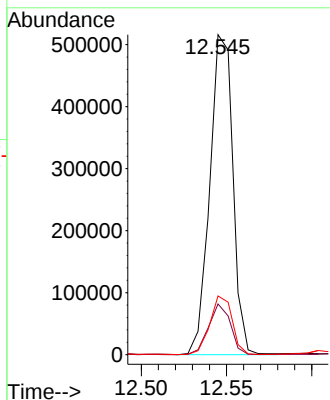
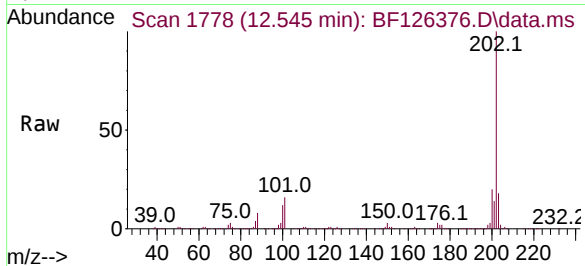




#75
Fluoranthene
Concen: 46.027 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

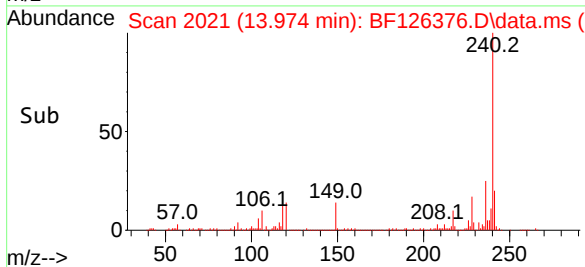
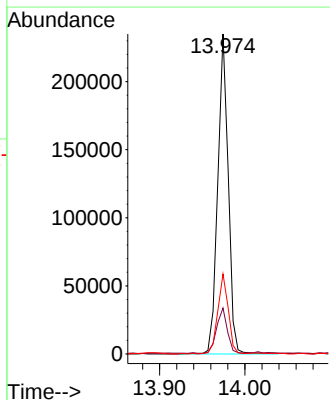
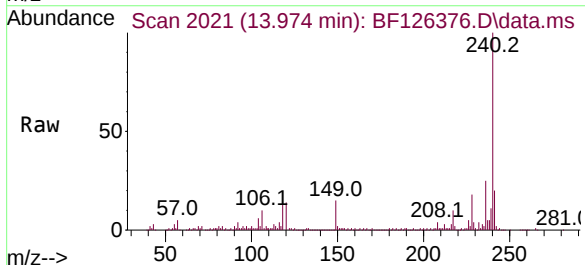
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL

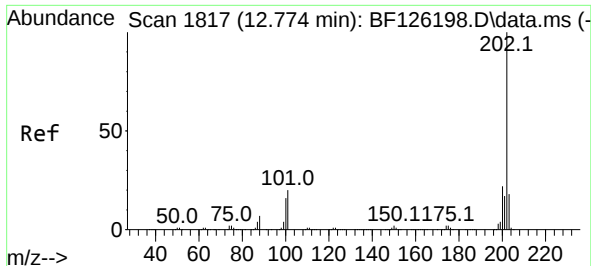
Tgt Ion:202 Resp: 486555
Ion Ratio Lower Upper
202 100
101 15.9 0.0 30.7
203 18.4 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Tgt Ion:240 Resp: 201259
Ion Ratio Lower Upper
240 100
120 14.4 10.8 16.2
236 25.0 21.6 32.4

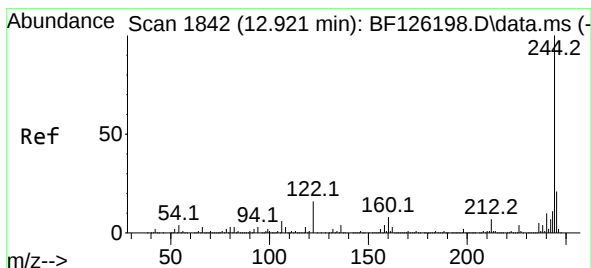
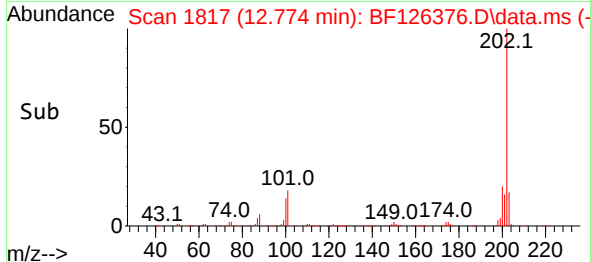
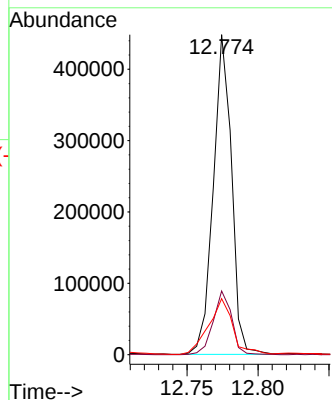
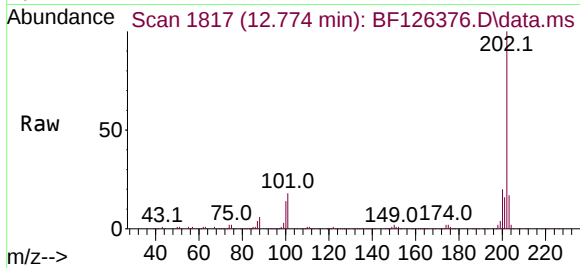




#78
Pyrene
Concen: 21.651 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

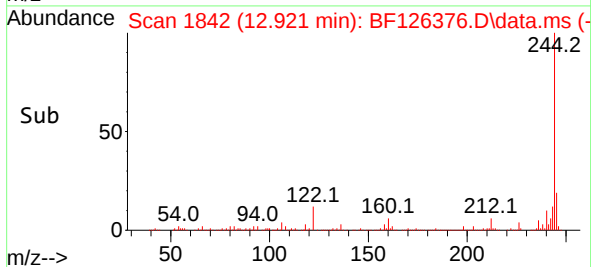
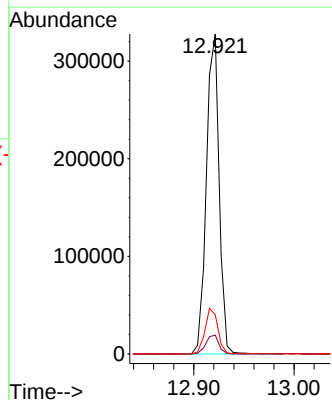
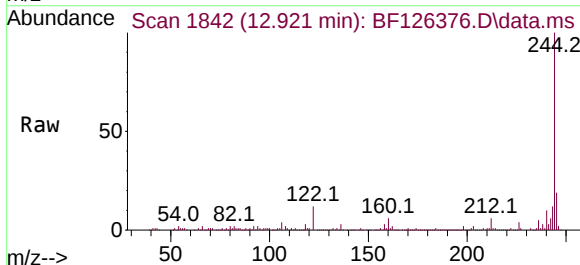
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL

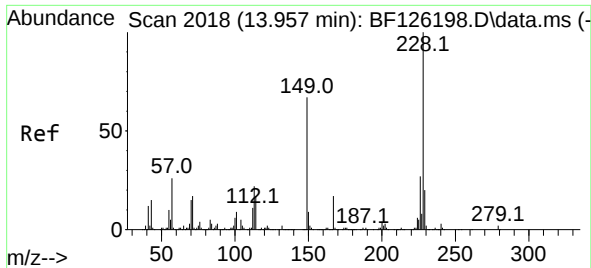
Tgt Ion:202 Resp: 400338
Ion Ratio Lower Upper
202 100
200 19.9 15.3 22.9
203 17.5 13.4 20.0



#79
Terphenyl-d14
Concen: 25.154 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Tgt Ion:244 Resp: 291265
Ion Ratio Lower Upper
244 100
212 5.9 5.9 8.9
122 12.3 9.0 13.4

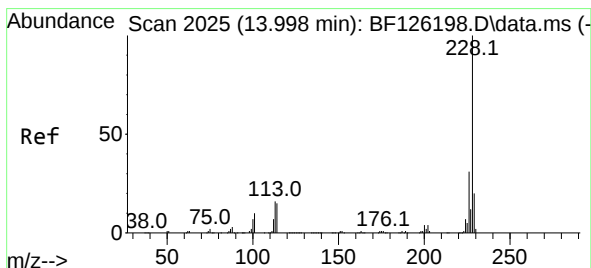
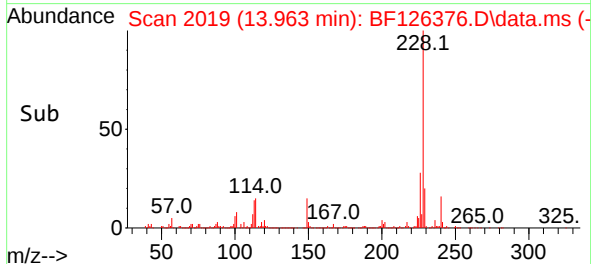
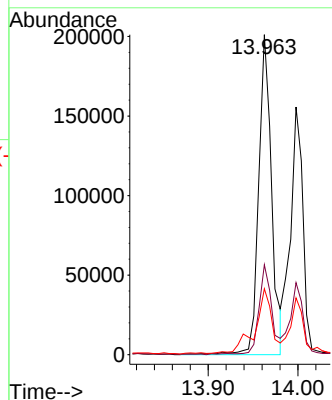
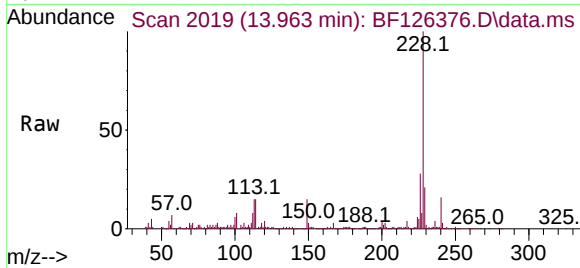




#81
Benzo(a)anthracene
Concen: 16.845 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

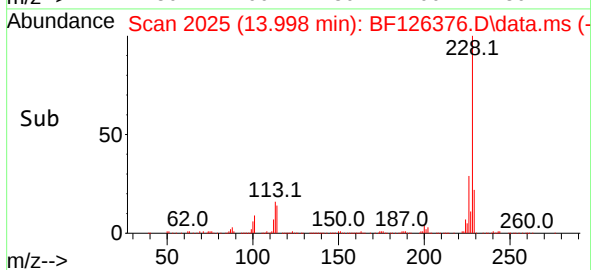
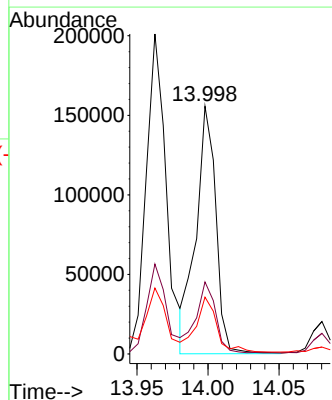
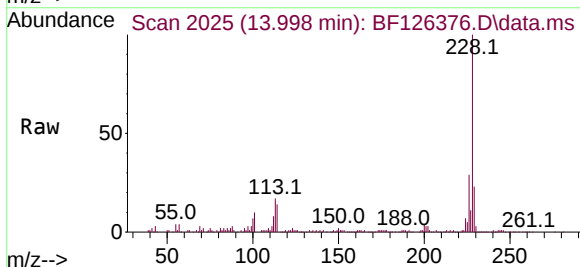
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL

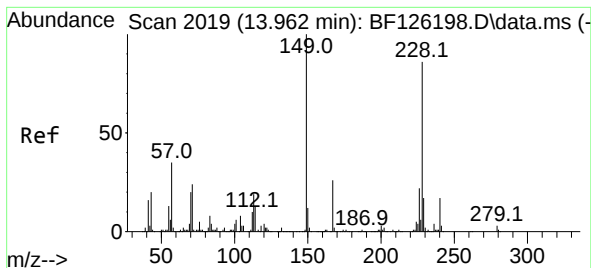
Tgt Ion:228 Resp: 200817
Ion Ratio Lower Upper
228 100
226 28.1 21.6 32.4
229 20.6 15.6 23.4



#83
Chrysene
Concen: 12.284 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Tgt Ion:228 Resp: 152156
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 23.0 15.9 23.9





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.237 ng

RT: 13.968 min Scan# 2019

Delta R.T. 0.006 min

Lab File: BF126376.D

Acq: 28 Dec 2021 1:51

Instrument :

BNA_F

ClientSampleId :

TP-(0-3.5)-12-21-2021DL

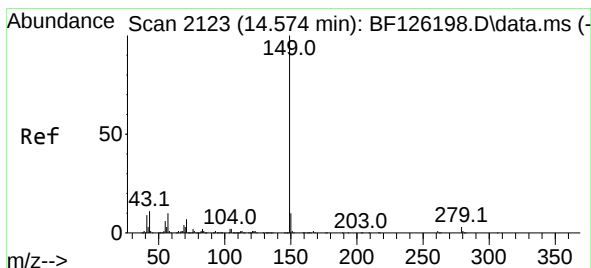
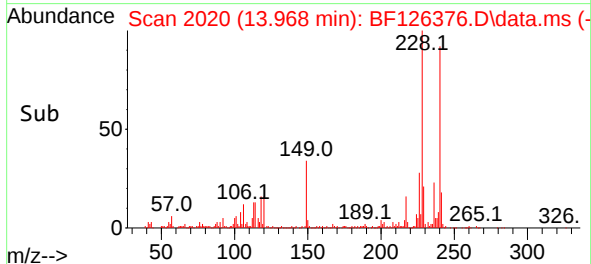
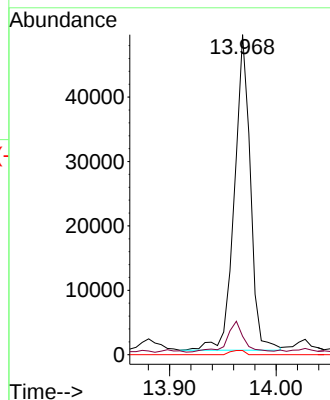
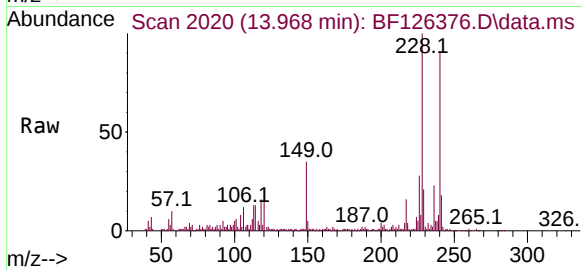
Tgt Ion:149 Resp: 50917

Ion Ratio Lower Upper

149 100

167 5.7 21.4 32.0#

279 1.3 2.6 4.0#



#85

Di-n-octyl phthalate

Concen: 5.336 ng

RT: 14.580 min Scan# 2124

Delta R.T. 0.006 min

Lab File: BF126376.D

Acq: 28 Dec 2021 1:51

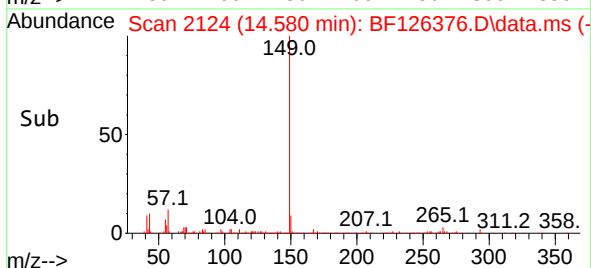
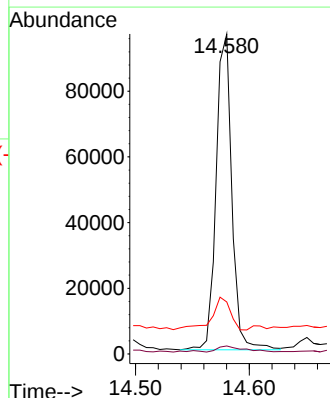
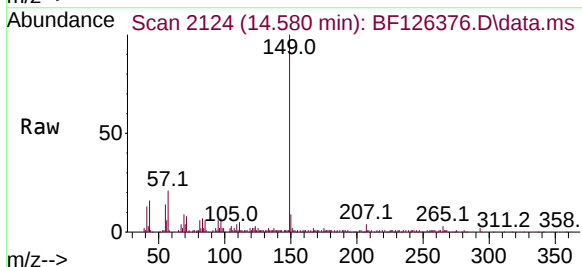
Tgt Ion:149 Resp: 92482

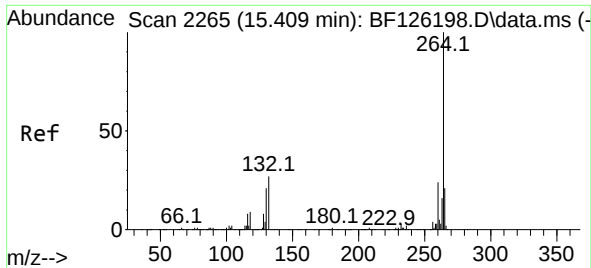
Ion Ratio Lower Upper

149 100

167 3.2 1.0 1.6#

43 12.3 9.9 14.9

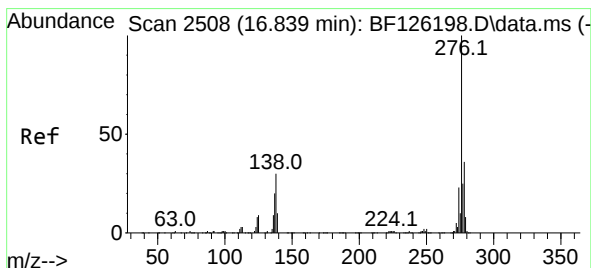
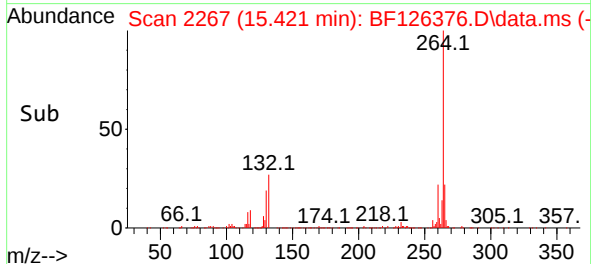
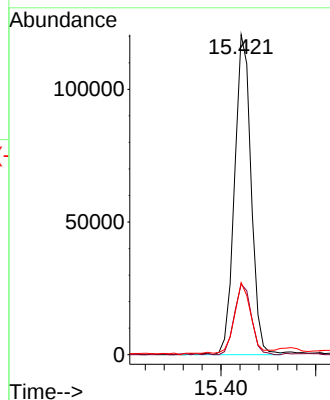
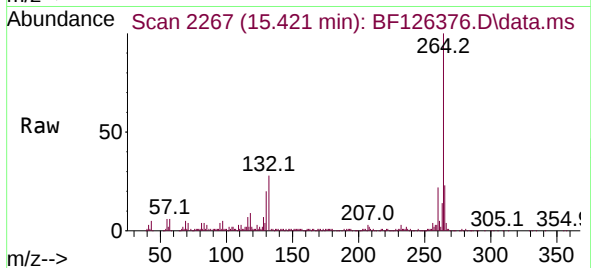




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

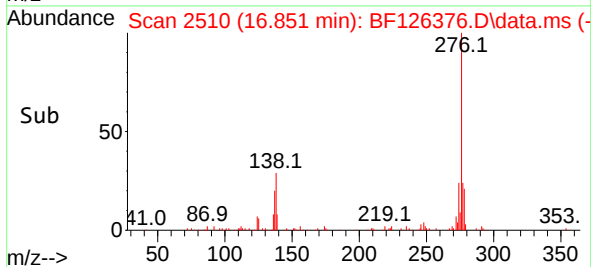
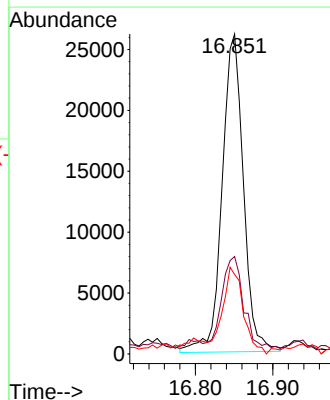
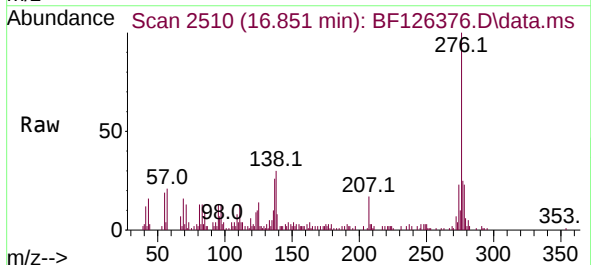
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL

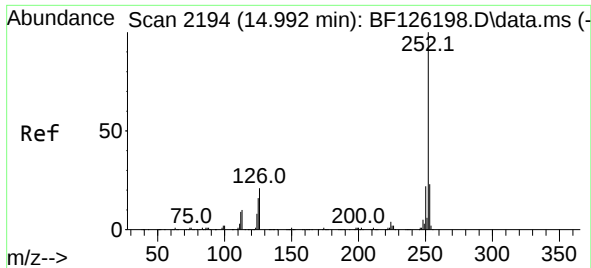
Tgt Ion:264 Resp: 146024
Ion Ratio Lower Upper
264 100
260 22.0 19.6 29.4
265 22.5 17.2 25.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.128 ng
RT: 16.851 min Scan# 2510
Delta R.T. -0.012 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Tgt Ion:276 Resp: 49949
Ion Ratio Lower Upper
276 100
138 29.6 24.1 36.1
277 26.6 18.8 28.2

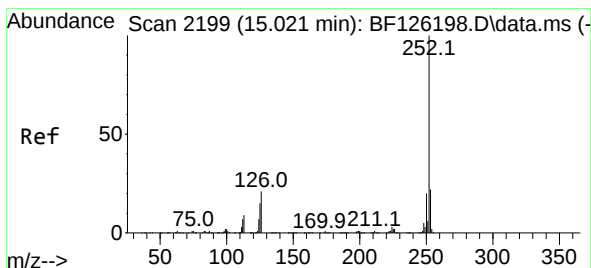
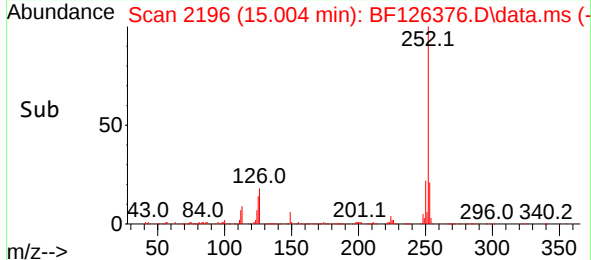
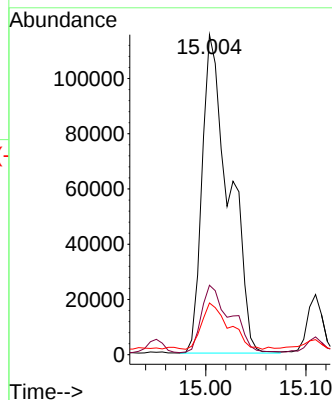
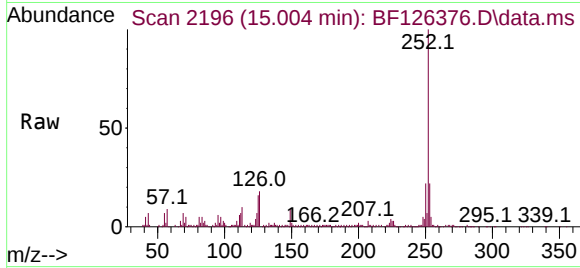




#88
Benzo(b)fluoranthene
Concen: 24.686 ng
RT: 15.004 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

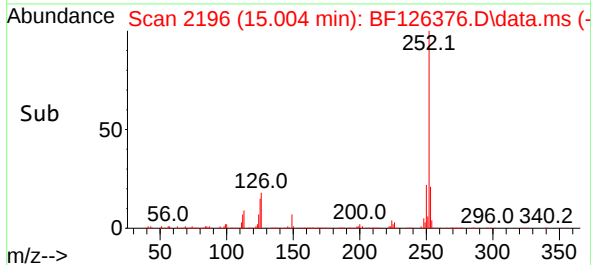
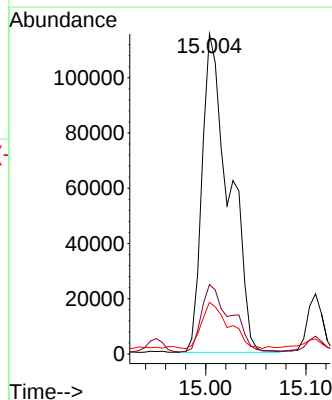
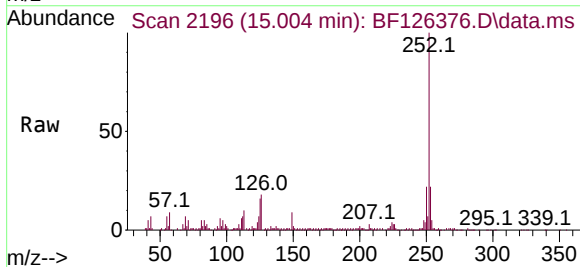
Instrument :
BNA_F
ClientSampleId :
TP-(0-3.5)-12-21-2021DL

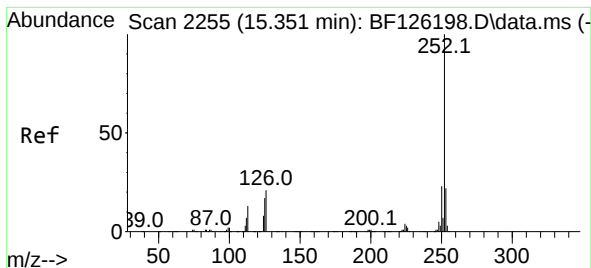
Tgt Ion:252 Resp: 216592
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 16.1 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 25.805 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.029 min
Lab File: BF126376.D
Acq: 28 Dec 2021 1:51

Tgt Ion:252 Resp: 216592
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 16.1 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 14.225 ng

RT: 15.362 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF126376.D

Acq: 28 Dec 2021 1:51

Instrument :

BNA_F

ClientSampleId :

TP-(0-3.5)-12-21-2021DL

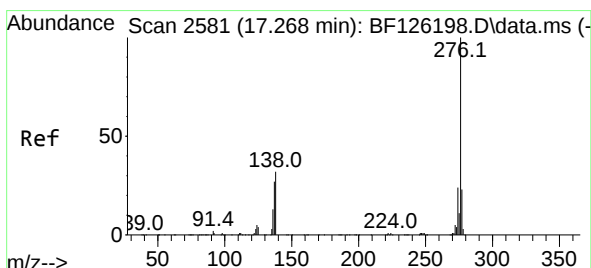
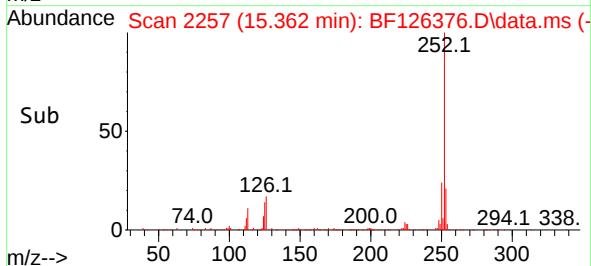
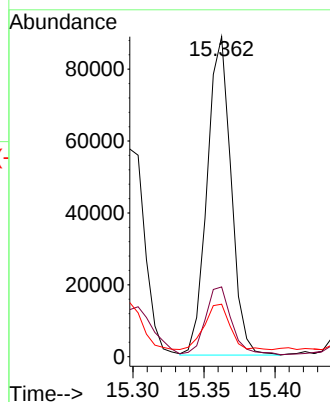
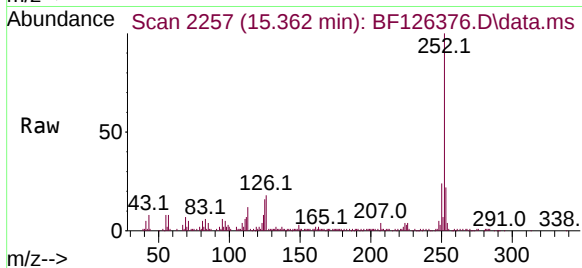
Tgt Ion:252 Resp: 103729

Ion Ratio Lower Upper

252 100

253 21.8 18.4 27.6

125 16.4 9.9 14.9#



#92

Benzo(g,h,i)perylene

Concen: 5.714 ng

RT: 17.280 min Scan# 2583

Delta R.T. -0.018 min

Lab File: BF126376.D

Acq: 28 Dec 2021 1:51

Tgt Ion:276 Resp: 46810

Ion Ratio Lower Upper

276 100

277 24.9 22.0 33.0

138 28.4 22.2 33.4

