

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
 Data File : BF126117.D
 Acq On : 10 Nov 2021 20:26
 Operator : JU/CG
 Sample : M4576-04 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DW-2

Quant Time: Nov 11 09:32:26 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)

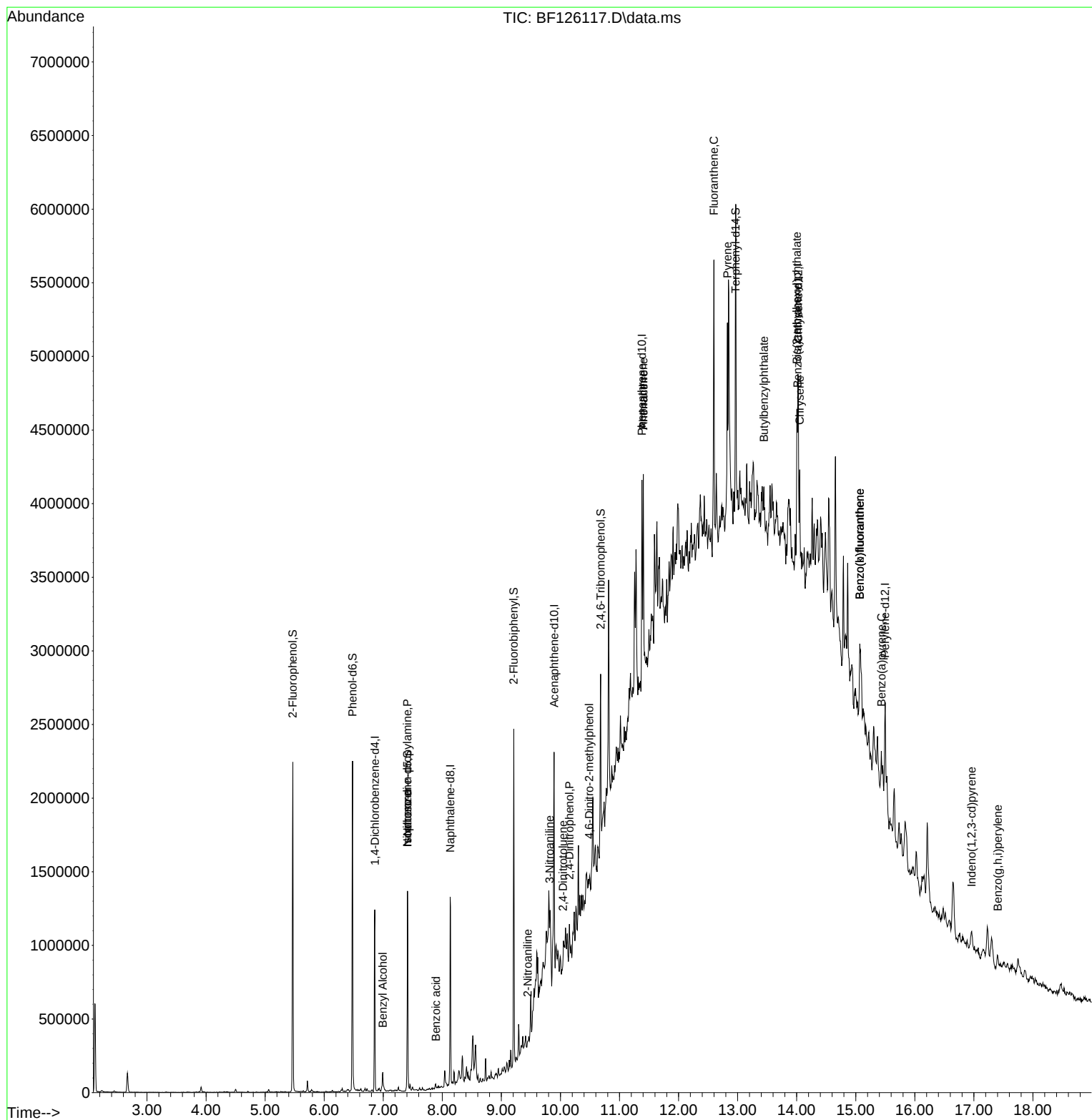
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	166827	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	535466	20.000	ng	# 0.00
39) Acenaphthene-d10	9.892	164	252317	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	433324	20.000	ng	0.00
76) Chrysene-d12	14.027	240	372302	20.000	ng	# 0.02
86) Perylene-d12	15.498	264	279985	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	468060	48.181	ng	0.00
7) Phenol-d6	6.481	99	567201	41.418	ng	0.00
23) Nitrobenzene-d5	7.410	82	380559	33.517	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	128560	44.460	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	589927	31.595	ng	0.00
79) Terphenyl-d14	12.968	244	598201	25.910	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.398	77	2083	Below Cal	#	80
15) Benzyl Alcohol	6.992	79	32854	2.809	ng	95
19) n-Nitroso-di-n-propyla...	7.410	70	55988	6.202	ng	# 62
25) Isophorone	7.410	82	380556	18.616	ng	# 59
32) Benzoic acid	7.892	122	231	9.182	ng	# 20
48) 2-Nitroaniline	9.445	65	609	2.963	ng	# 43
53) 3-Nitroaniline	9.816	138	1095992	339.540	ng	# 11
54) 2,4-Dinitrophenol	10.151	184	308	6.976	ng	# 1
57) 2,4-Dinitrotoluene	10.045	165	2873	3.757	ng	# 45
65) 4,6-Dinitro-2-methylph...	10.486	198	245	8.414	ng	# 1
71) Phenanthrene	11.404	178	398819	16.971	ng	# 95
72) Anthracene	11.404	178	398819	16.999	ng	96
75) Fluoranthene	12.598	202	700157	26.756	ng	93
78) Pyrene	12.827	202	548086	18.357	ng	94
80) Butylbenzylphthalate	13.445	149	39295	3.613	ng	# 49
81) Benzo(a)anthracene	14.015	228	207925	8.130	ng	93
83) Chrysene	14.051	228	268601	11.287	ng	96
84) Bis(2-ethylhexyl)phtha...	14.004	149	215508	14.298	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.962	276	85263	5.145	ng	# 82
88) Benzo(b)fluoranthene	15.068	252	327575	17.987	ng	# 89
89) Benzo(k)fluoranthene	15.068	252	327575	18.542	ng	# 88
90) Benzo(a)pyrene	15.433	252	137130	9.558	ng	# 93
92) Benzo(g,h,i)perylene	17.404	276	75372	5.774	ng	# 88

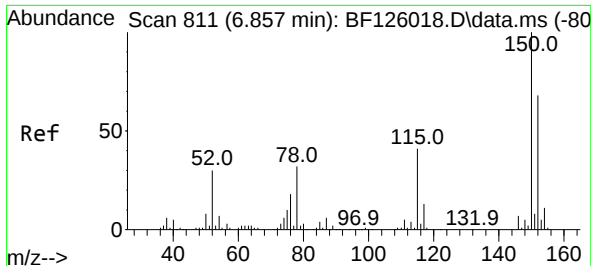
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111021\
Data File : BF126117.D
Acq On : 10 Nov 2021 20:26
Operator : JU/CG
Sample : M4576-04 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DW-2

Quant Time: Nov 11 09:32:26 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

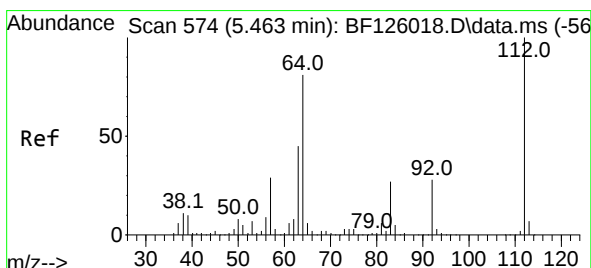
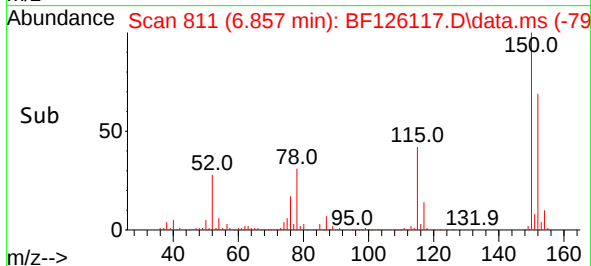
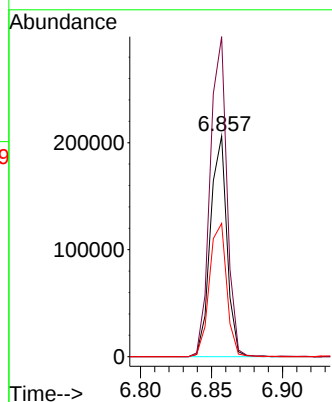
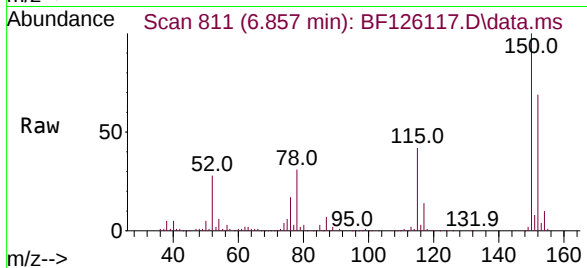




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

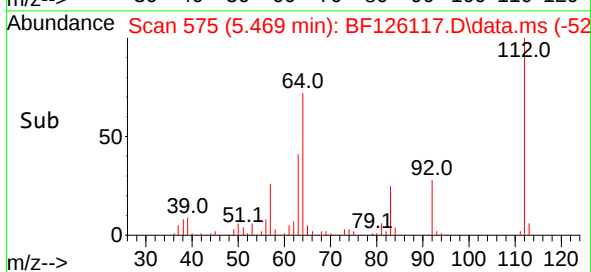
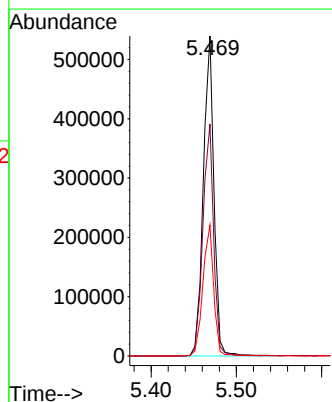
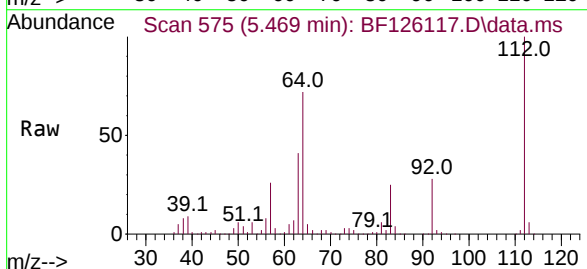
Instrument :
BNA_F
ClientSampleId :
DW-2

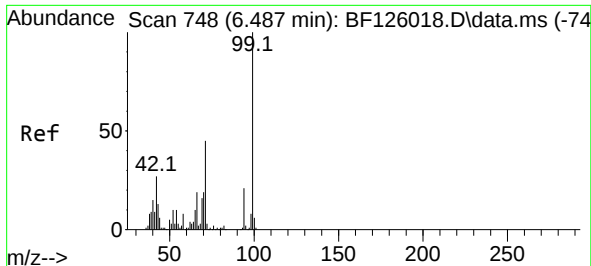
Tgt Ion:152 Resp: 166827
Ion Ratio Lower Upper
152 100
150 145.0 117.6 176.4
115 60.4 47.1 70.7



#5
2-Fluorophenol
Concen: 48.181 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.006 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

Tgt Ion:112 Resp: 468060
Ion Ratio Lower Upper
112 100
64 72.5 44.2 66.2#
63 40.9 26.2 39.2#

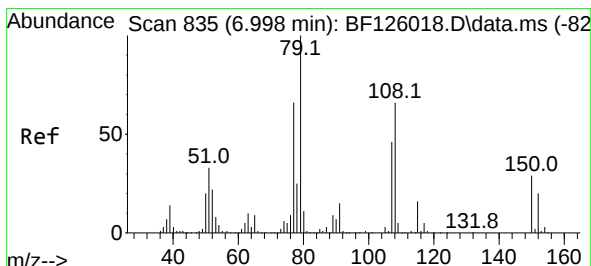
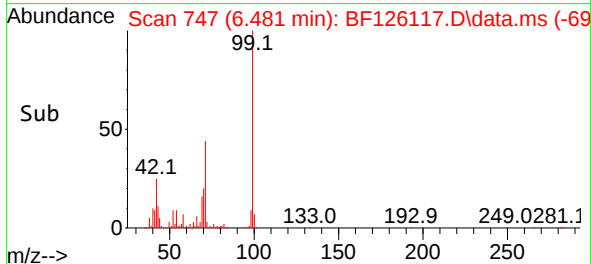
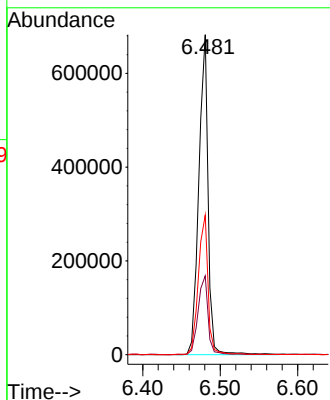
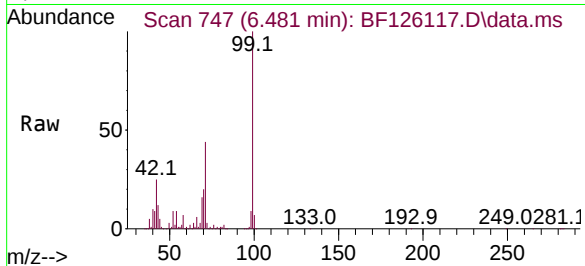




#7
Phenol-d6
Concen: 41.418 ng
RT: 6.481 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

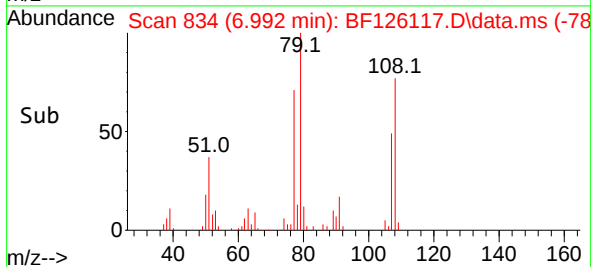
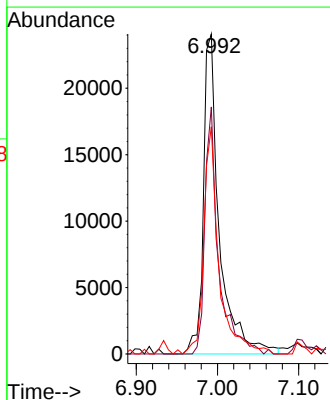
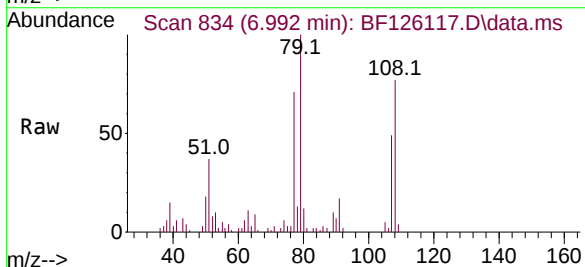
Instrument :
BNA_F
ClientSampleId :
DW-2

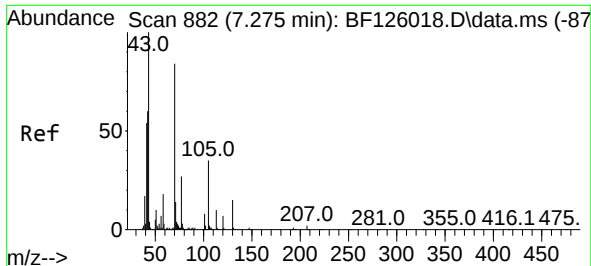
Tgt Ion: 99 Resp: 567201
Ion Ratio Lower Upper
99 100
42 24.6 23.5 35.3
71 43.6 25.6 38.4#



#15
Benzyl Alcohol
Concen: 2.809 ng
RT: 6.992 min Scan# 834
Delta R.T. -0.006 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

Tgt Ion: 79 Resp: 32854
Ion Ratio Lower Upper
79 100
108 77.2 60.4 90.6
77 71.0 51.5 77.3

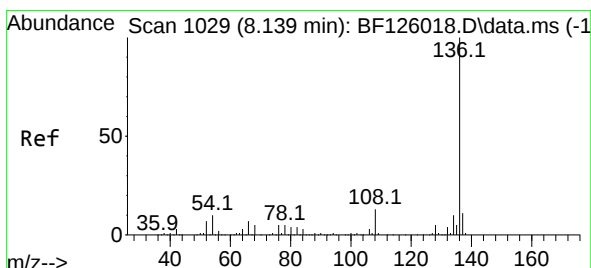
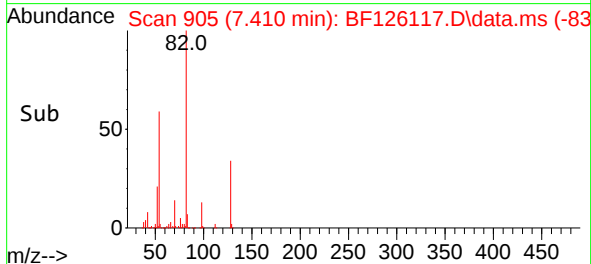
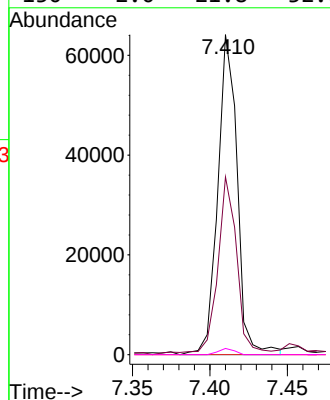
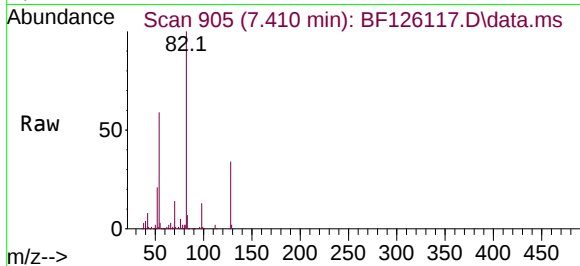




#19
n-Nitroso-di-n-propylamine
Concen: 6.202 ng
RT: 7.410 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

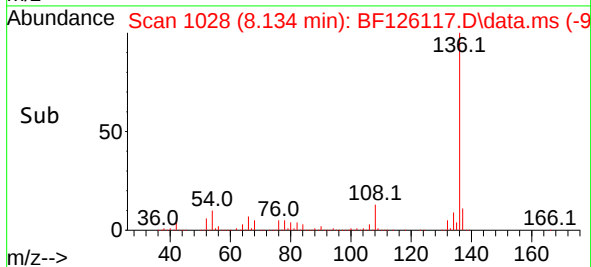
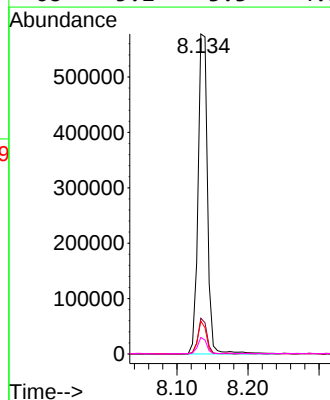
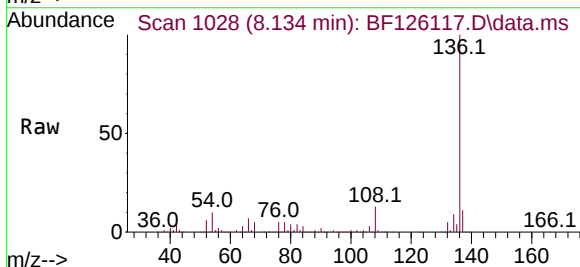
Instrument :
BNA_F
ClientSampleId :
DW-2

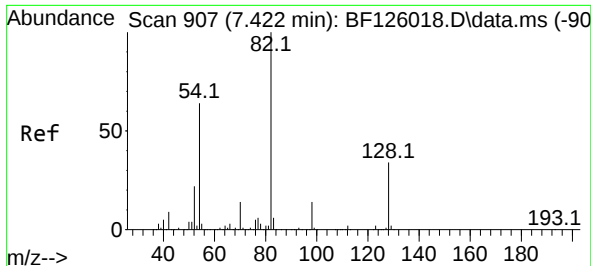
Tgt Ion: 70	Resp: 55988
Ion Ratio	Lower Upper
70 100	
42 55.6	72.2 108.2#
101 0.0	7.8 11.8#
130 2.0	21.8 32.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

Tgt Ion: 136	Resp: 535466
Ion Ratio	Lower Upper
136 100	
137 11.2	9.8 14.6
54 10.2	6.4 9.6#
68 5.2	3.3 4.9#





#23

Nitrobenzene-d5

Concen: 33.517 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.012 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

Instrument :

BNA_F

ClientSampleId :

DW-2

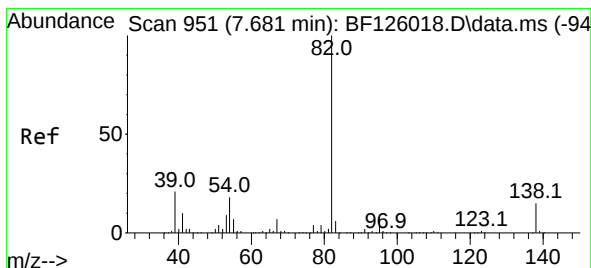
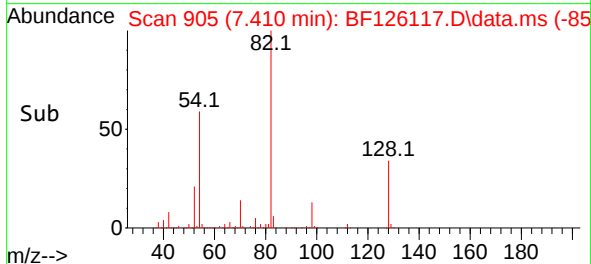
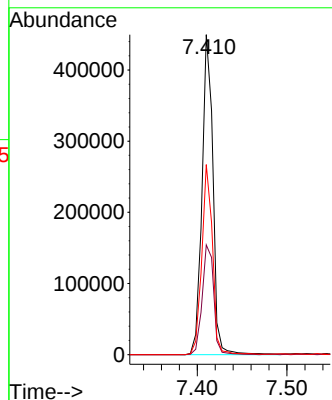
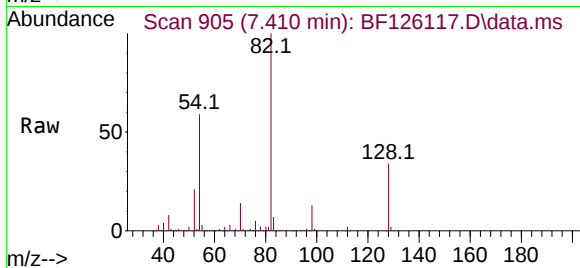
Tgt Ion: 82 Resp: 380559

Ion Ratio Lower Upper

82 100

128 34.3 40.6 60.8#

54 59.4 49.6 74.4



#25

Isophorone

Concen: 18.616 ng

RT: 7.410 min Scan# 905

Delta R.T. -0.271 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

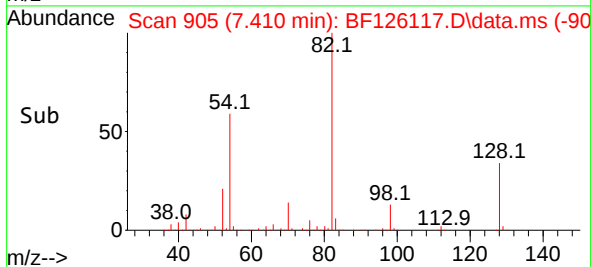
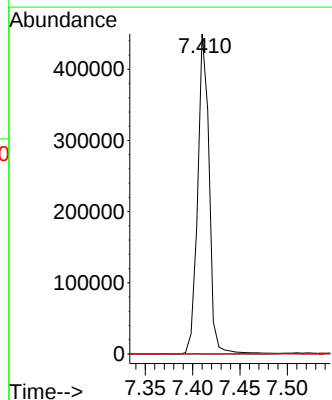
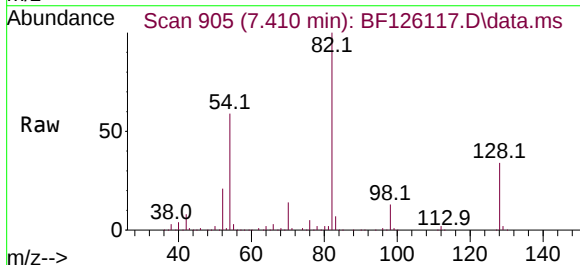
Tgt Ion: 82 Resp: 380556

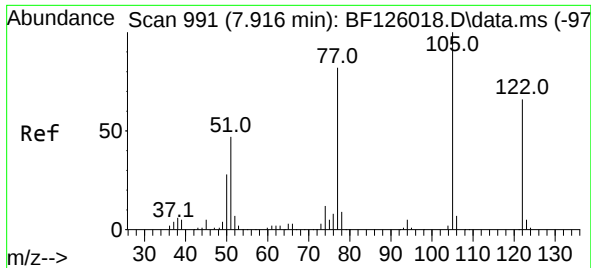
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

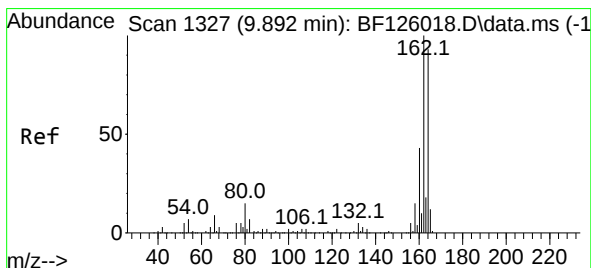
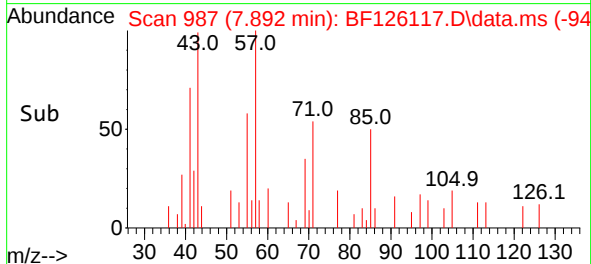
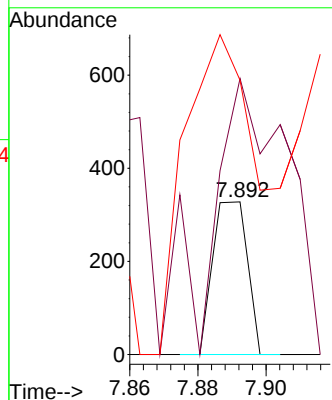
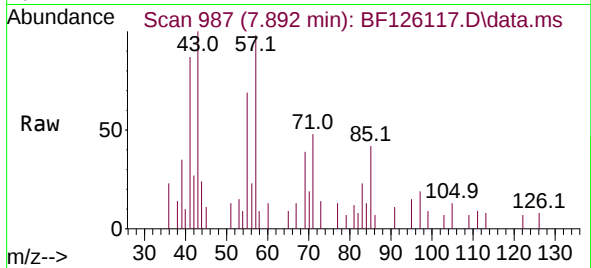




#32
Benzoic acid
Concen: 9.182 ng
RT: 7.892 min Scan# 91
Delta R.T. -0.024 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

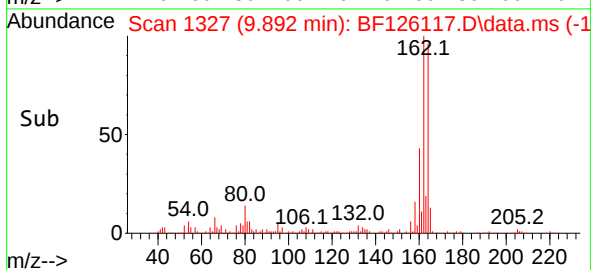
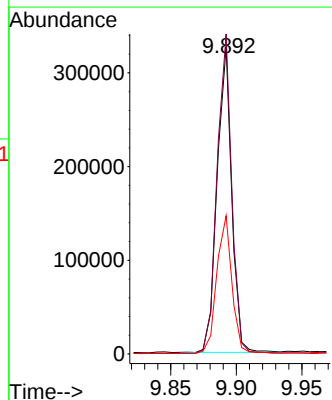
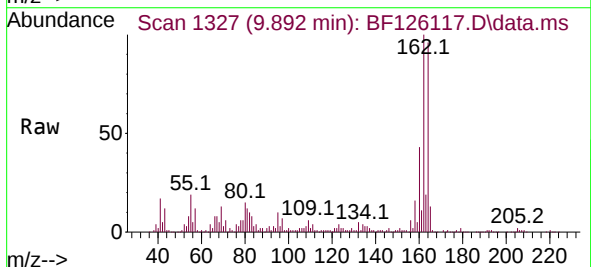
Instrument :
BNA_F
ClientSampleId :
DW-2

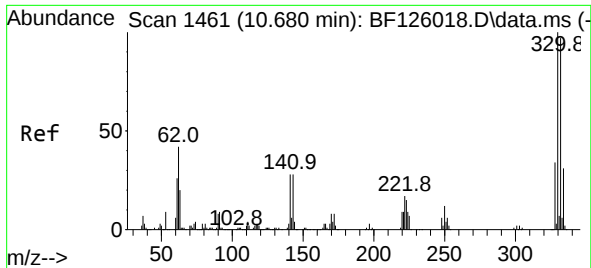
Tgt Ion:122 Resp: 231
Ion Ratio Lower Upper
122 100
105 180.8 97.6 137.6#
77 179.6 59.6 99.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

Tgt Ion:164 Resp: 252317
Ion Ratio Lower Upper
164 100
162 104.2 81.3 121.9
160 45.0 38.0 57.0

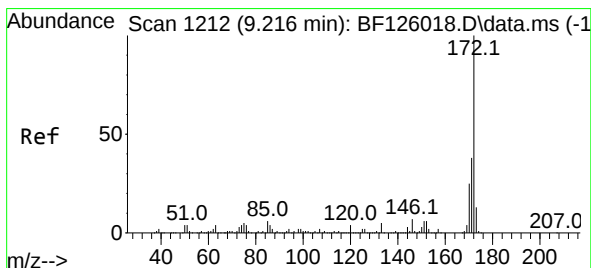
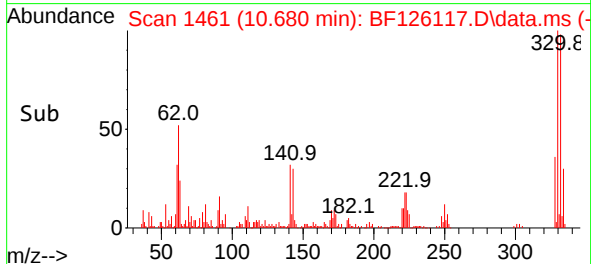
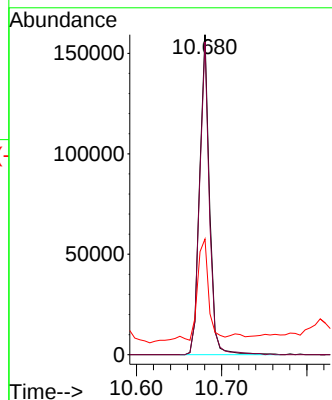
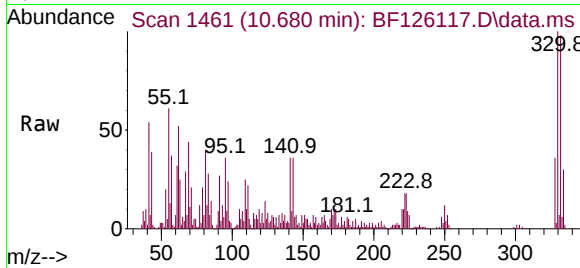




#42
2,4,6-Tribromophenol
Concen: 44.460 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

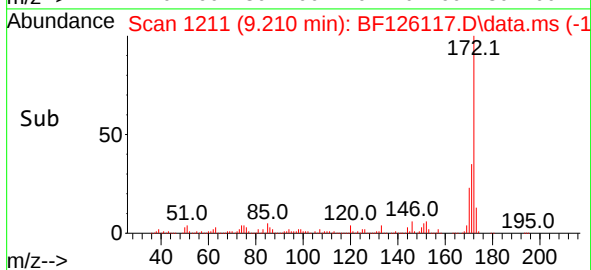
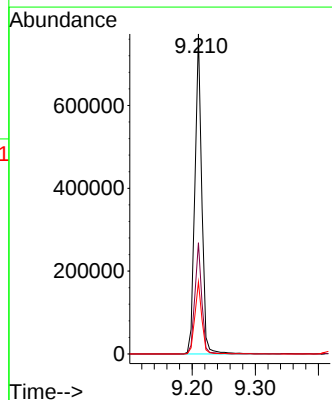
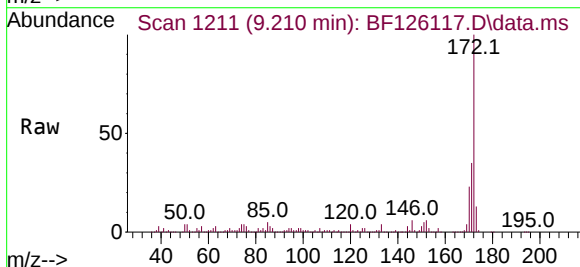
Instrument :
BNA_F
ClientSampleId :
DW-2

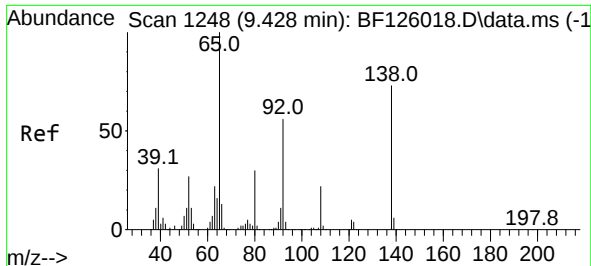
Tgt Ion:330 Resp: 128560
Ion Ratio Lower Upper
330 100
332 96.7 76.2 114.4
141 40.8 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 31.595 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

Tgt Ion:172 Resp: 589927
Ion Ratio Lower Upper
172 100
171 34.7 26.5 39.7
170 22.5 18.8 28.2

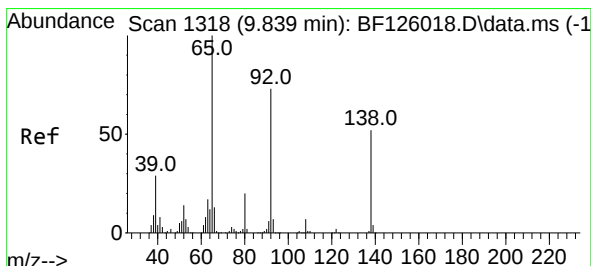
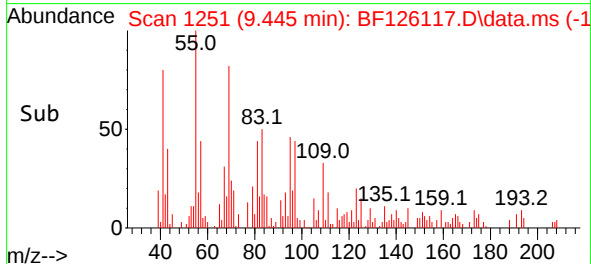
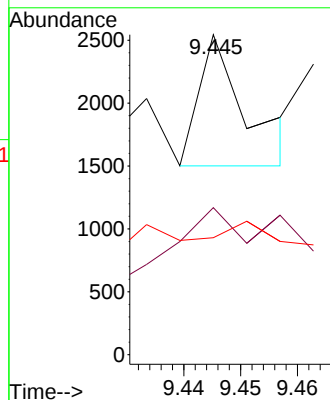
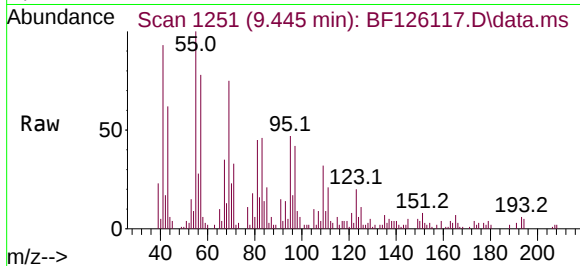




#48
2-Nitroaniline
Concen: 2.963 ng
RT: 9.445 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

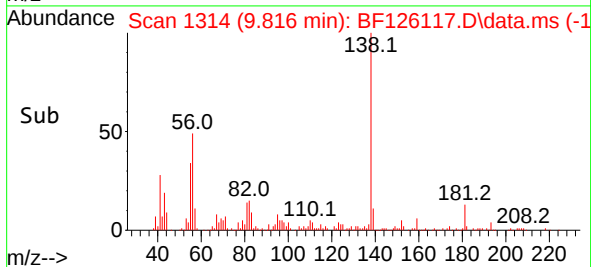
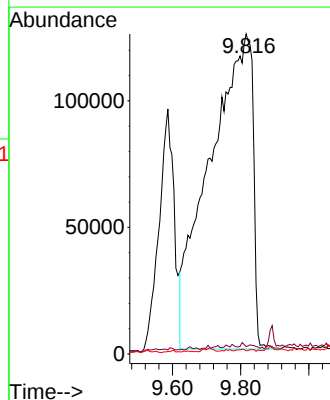
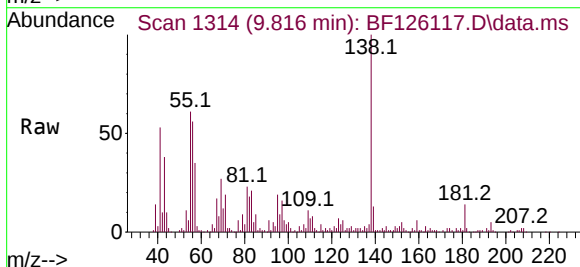
Instrument :
BNA_F
ClientSampleId :
DW-2

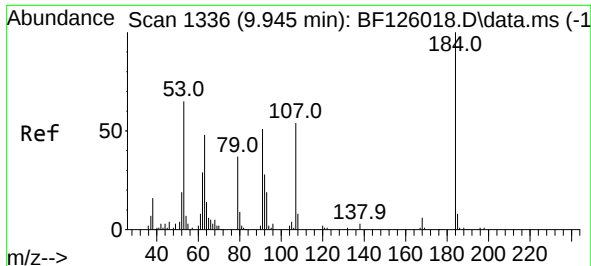
Tgt Ion: 65 Resp: 609
Ion Ratio Lower Upper
65 100
92 46.0 55.5 83.3#
138 36.6 93.5 140.3#



#53
3-Nitroaniline
Concen: 339.540 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.023 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

Tgt Ion: 138 Resp: 1095992
Ion Ratio Lower Upper
138 100
108 2.3 9.3 13.9#
92 1.0 76.5 114.7#

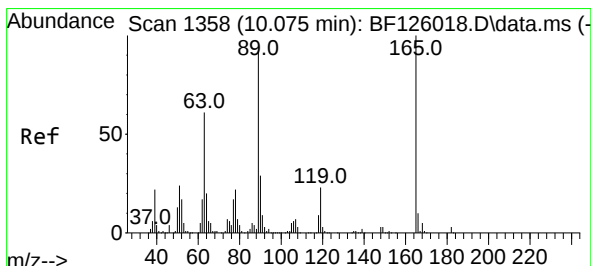
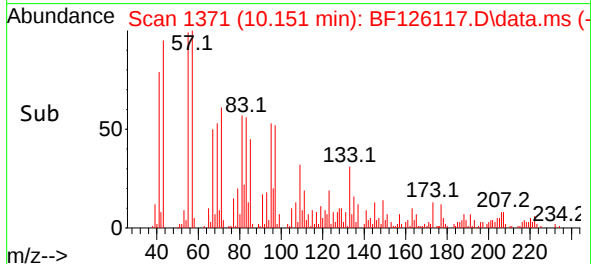
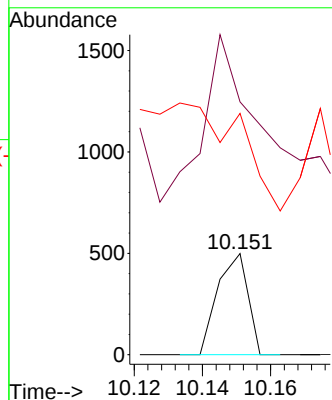
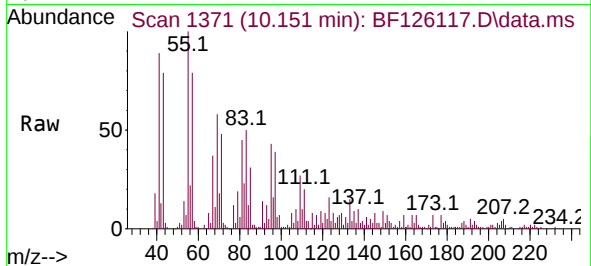




#54
2,4-Dinitrophenol
Concen: 6.976 ng
RT: 10.151 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

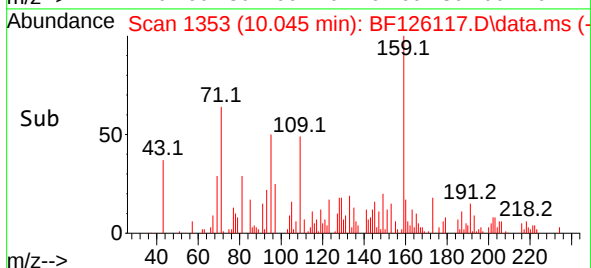
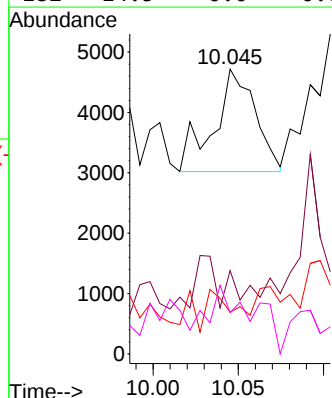
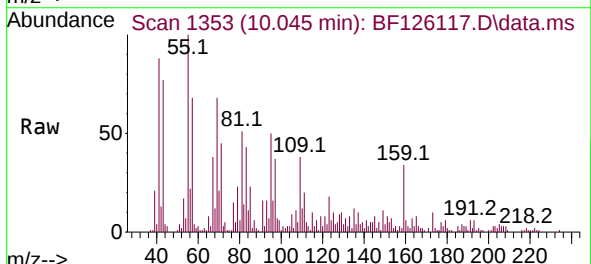
Instrument :
BNA_F
ClientSampleId :
DW-2

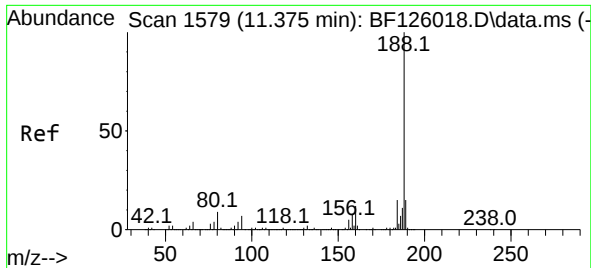
Tgt Ion:184 Resp: 308
Ion Ratio Lower Upper
184 100
63 249.9 59.3 88.9#
154 238.5 68.6 102.8#



#57
2,4-Dinitrotoluene
Concen: 3.757 ng
RT: 10.045 min Scan# 1353
Delta R.T. -0.030 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

Tgt Ion:165 Resp: 2873
Ion Ratio Lower Upper
165 100
63 29.3 40.9 61.3#
89 14.7 59.7 89.5#
182 14.5 0.0 0.0#

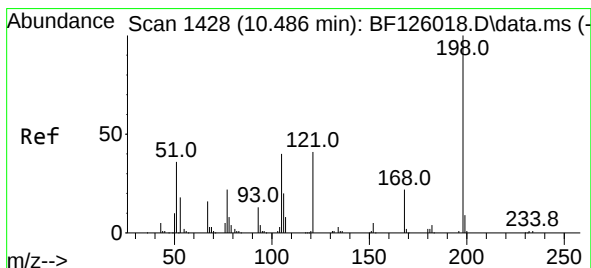
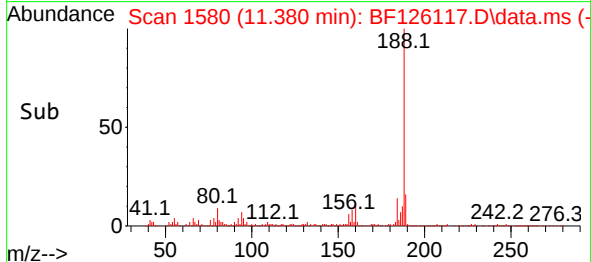
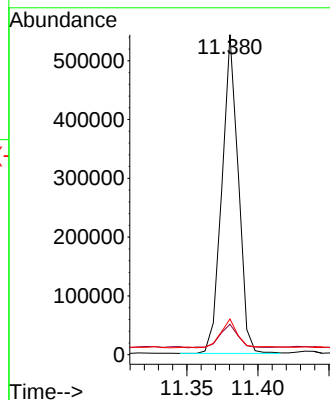
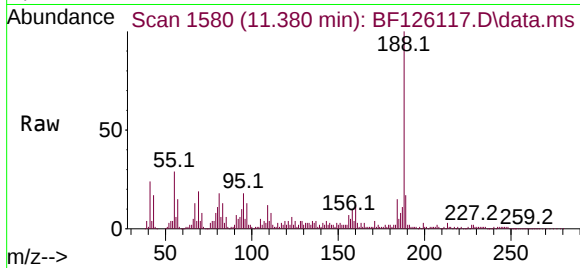




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 11
Delta R.T. 0.005 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

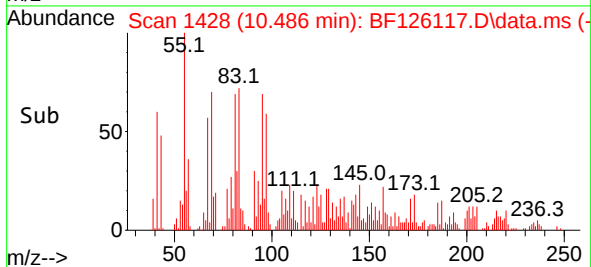
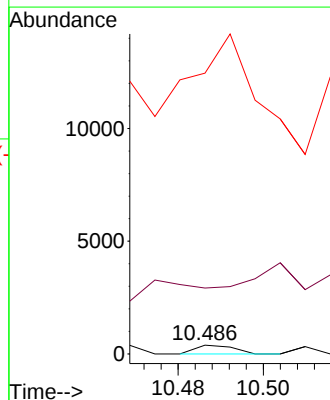
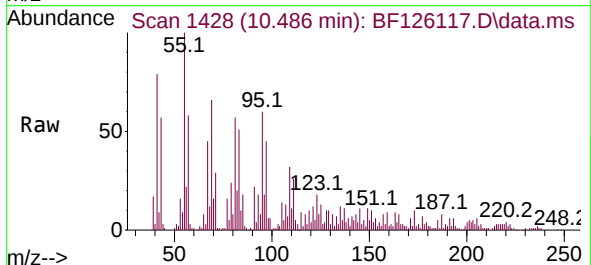
Instrument :
BNA_F
ClientSampleId :
DW-2

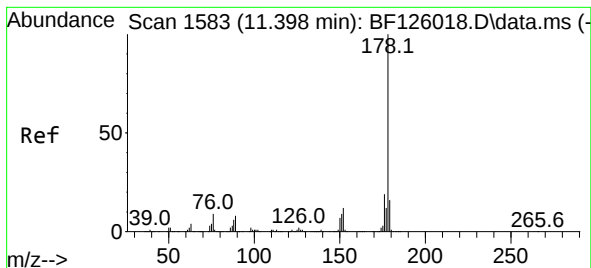
Tgt Ion:188 Resp: 433324
Ion Ratio Lower Upper
188 100
94 9.5 6.7 10.1
80 11.2 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 8.414 ng
RT: 10.486 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

Tgt Ion:198 Resp: 245
Ion Ratio Lower Upper
198 100
51 751.9 45.3 85.3#
105 3201.0 30.6 70.6#





#71

Phenanthrene

Concen: 16.971 ng

RT: 11.404 min Scan# 1584

Delta R.T. 0.006 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

Instrument :

BNA_F

ClientSampleId :

DW-2

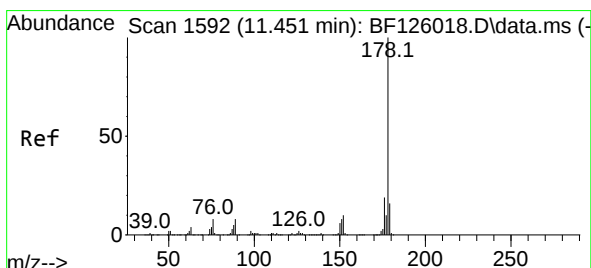
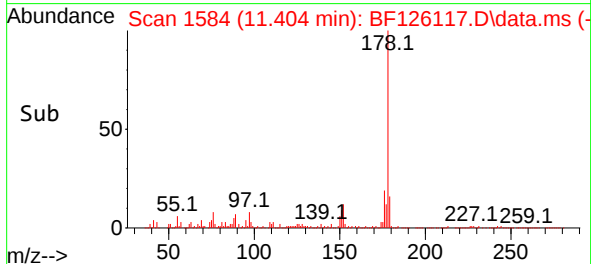
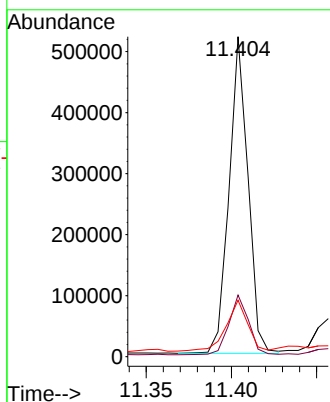
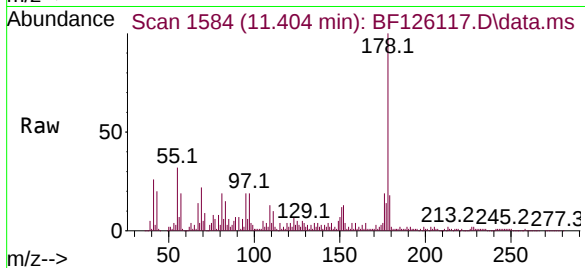
Tgt Ion:178 Resp: 398819

Ion Ratio Lower Upper

178 100

176 19.3 14.7 22.1

179 17.7 11.5 17.3#



#72

Anthracene

Concen: 16.999 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.047 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

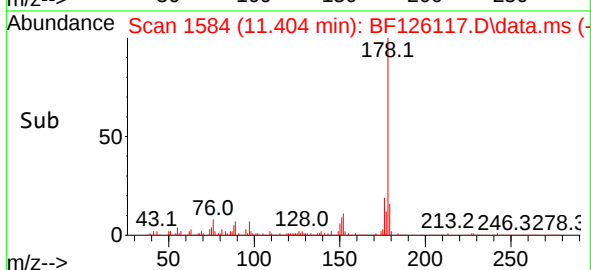
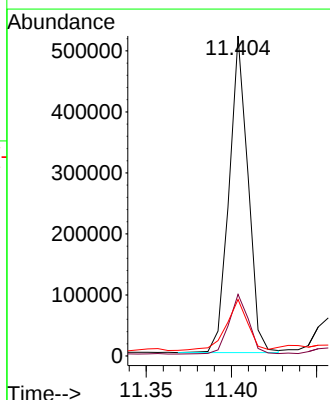
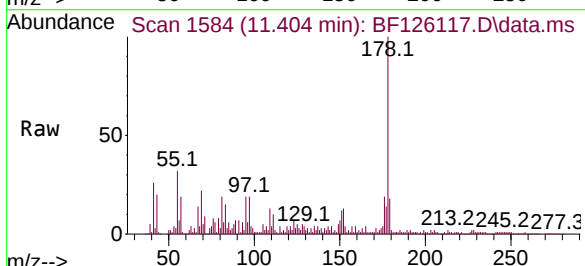
Tgt Ion:178 Resp: 398819

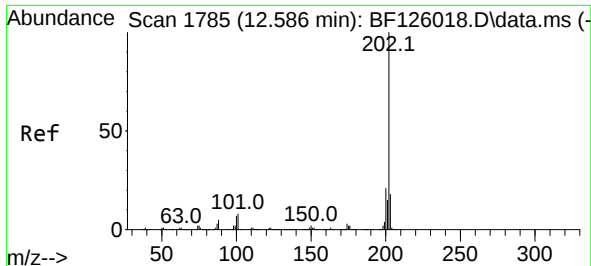
Ion Ratio Lower Upper

178 100

176 19.3 14.3 21.5

179 17.7 12.2 18.4

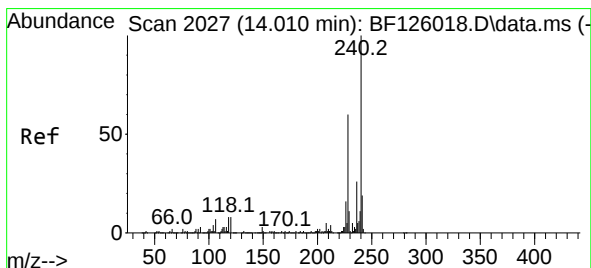
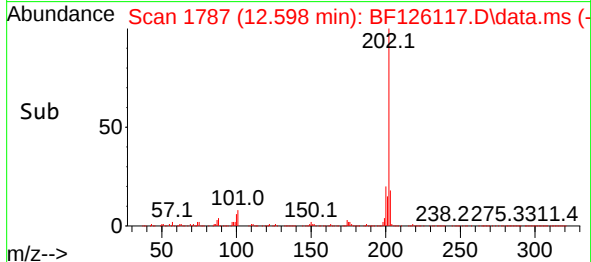
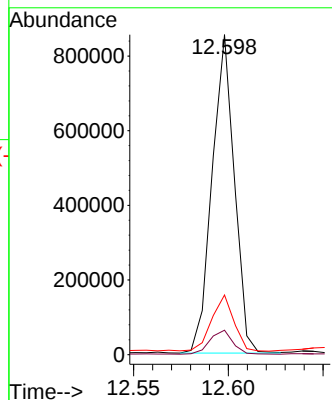
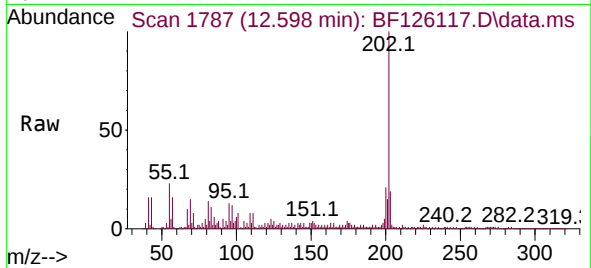




#75
Fluoranthene
Concen: 26.756 ng
RT: 12.598 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

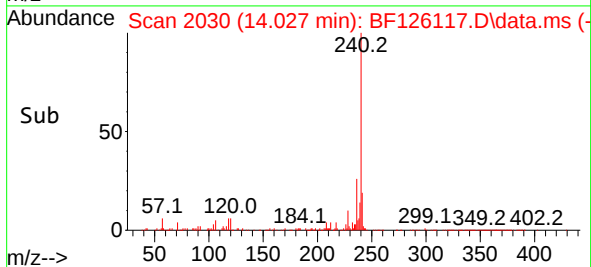
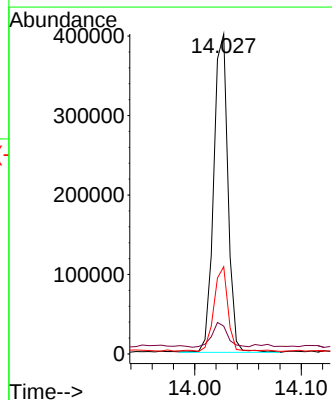
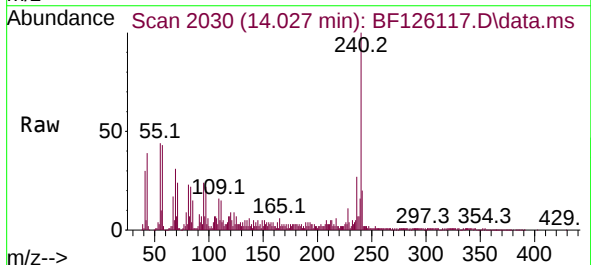
Instrument :
BNA_F
ClientSampleId :
DW-2

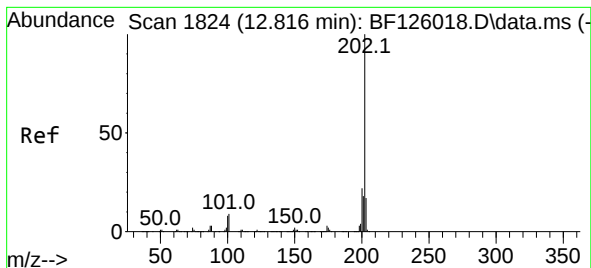
Tgt Ion:202 Resp: 700157
Ion Ratio Lower Upper
202 100
101 7.7 0.0 30.7
203 18.7 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.017 min
Lab File: BF126117.D
Acq: 10 Nov 2021 20:26

Tgt Ion:240 Resp: 372302
Ion Ratio Lower Upper
240 100
120 8.7 10.8 16.2#
236 27.3 21.6 32.4





#78

Pyrene

Concen: 18.357 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.011 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

Instrument :

BNA_F

ClientSampleId :

DW-2

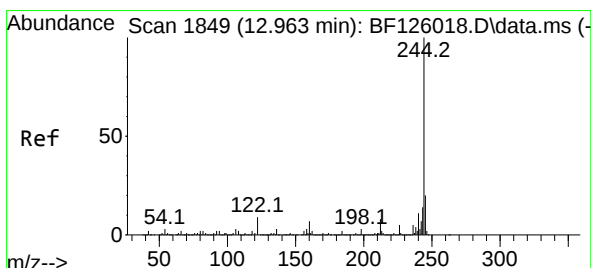
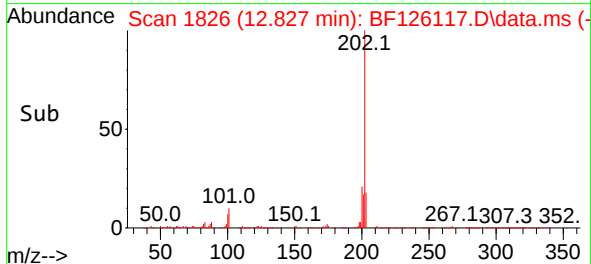
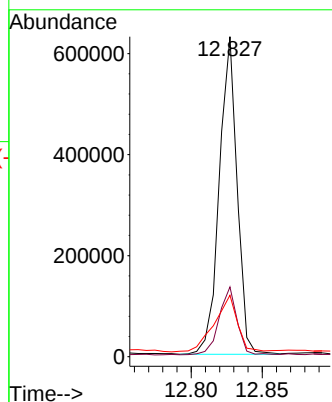
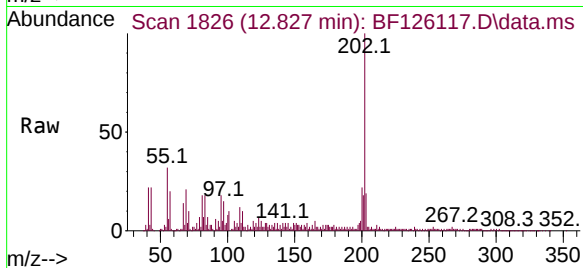
Tgt Ion:202 Resp: 548086

Ion Ratio Lower Upper

202 100

200 21.8 15.3 22.9

203 19.2 13.4 20.0



#79

Terphenyl-d14

Concen: 25.910 ng

RT: 12.968 min Scan# 1850

Delta R.T. 0.005 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

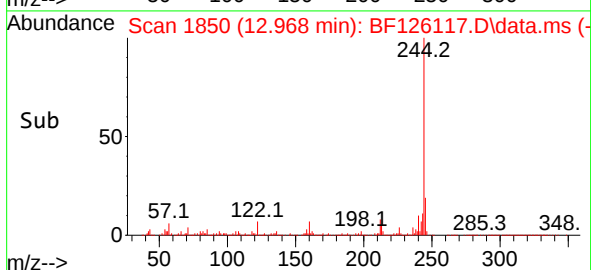
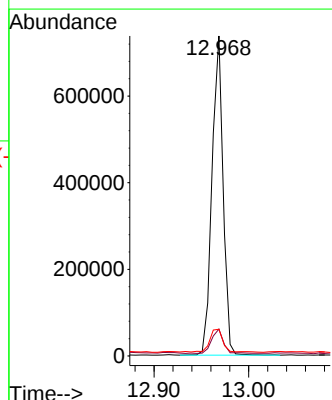
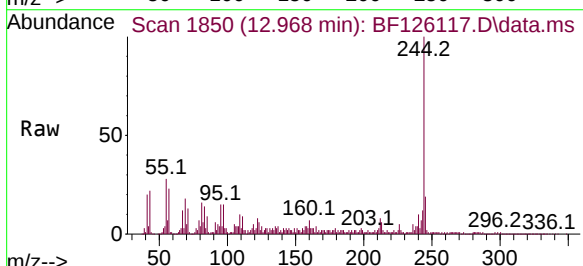
Tgt Ion:244 Resp: 598201

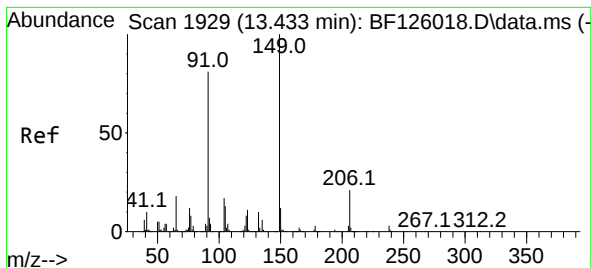
Ion Ratio Lower Upper

244 100

212 8.4 5.9 8.9

122 8.3 9.0 13.4#





#80

Butylbenzylphthalate

Concen: 3.613 ng

RT: 13.445 min Scan# 1929

Delta R.T. 0.012 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

Instrument :

BNA_F

ClientSampleId :

DW-2

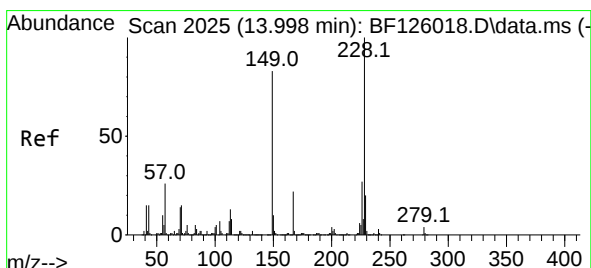
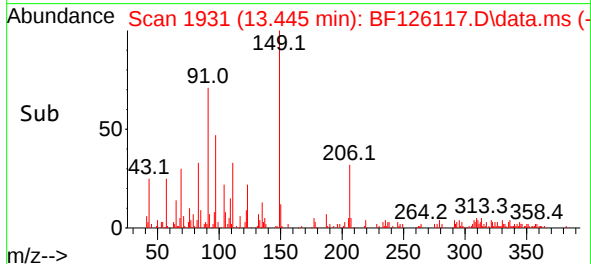
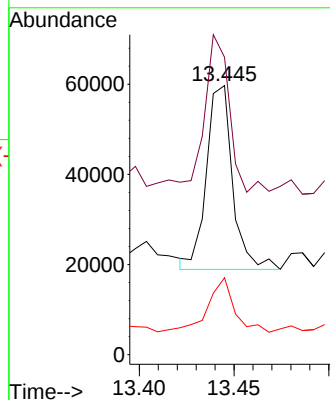
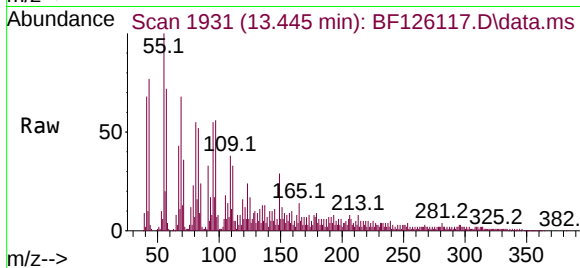
Tgt Ion:149 Resp: 39295

Ion Ratio Lower Upper

149 100

91 110.5 51.8 77.8#

206 28.6 14.5 21.7#



#81

Benzo(a)anthracene

Concen: 8.130 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.017 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

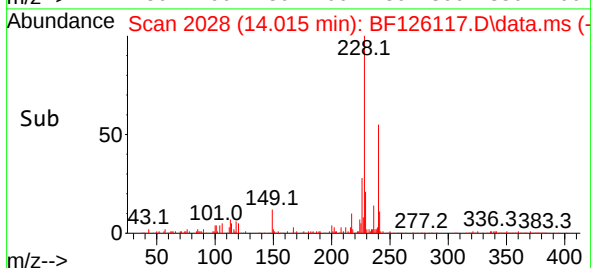
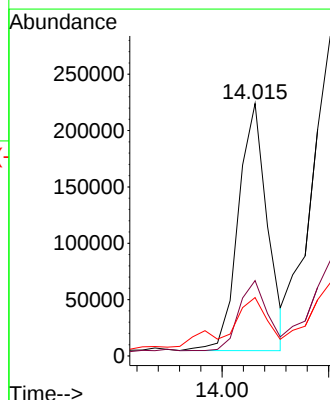
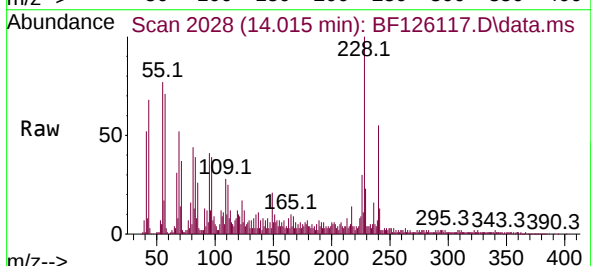
Tgt Ion:228 Resp: 207925

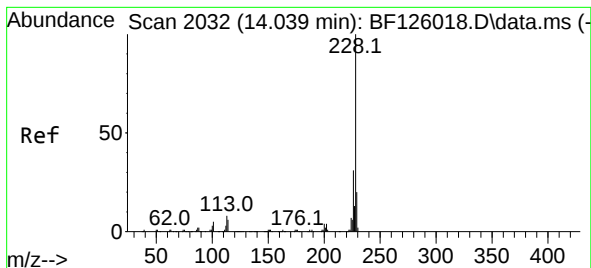
Ion Ratio Lower Upper

228 100

226 29.9 21.6 32.4

229 23.2 15.6 23.4





#83

Chrysene

Concen: 11.287 ng

RT: 14.051 min Scan# 2032

Delta R.T. 0.012 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

Instrument :

BNA_F

ClientSampleId :

DW-2

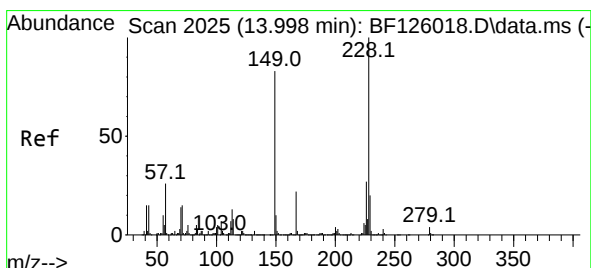
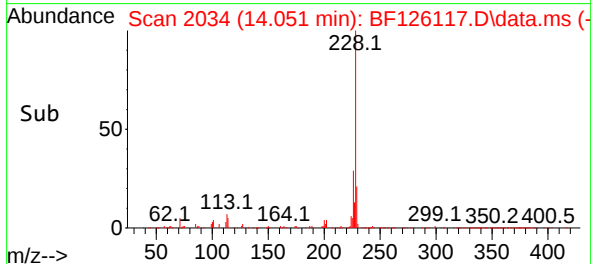
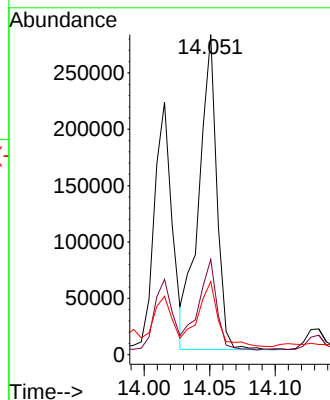
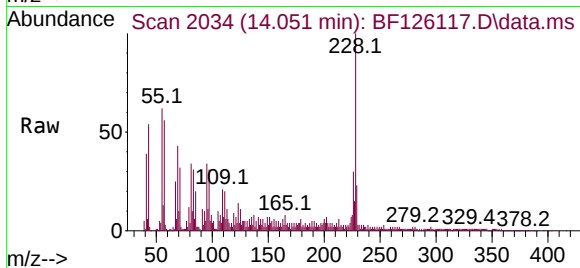
Tgt Ion:228 Resp: 268601

Ion Ratio Lower Upper

228 100

226 29.8 22.6 34.0

229 22.8 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 14.298 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

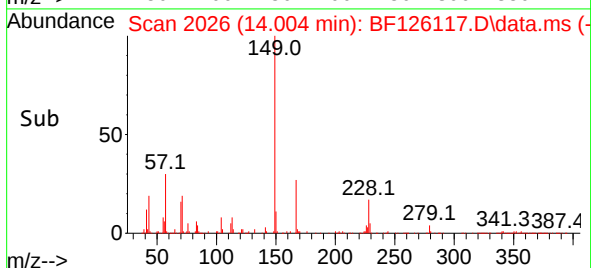
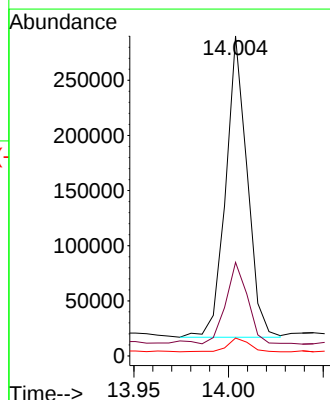
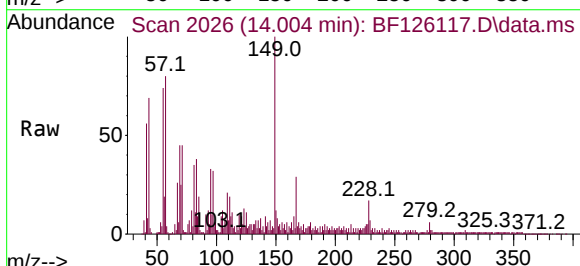
Tgt Ion:149 Resp: 215508

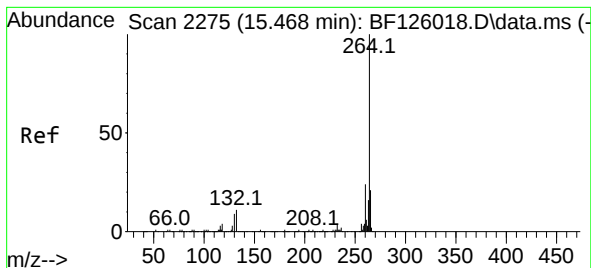
Ion Ratio Lower Upper

149 100

167 29.2 21.4 32.0

279 5.6 2.6 4.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.030 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

Instrument :

BNA_F

ClientSampleId :

DW-2

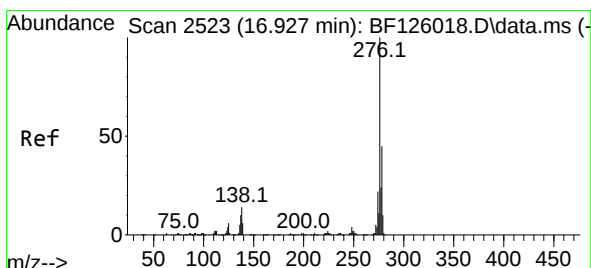
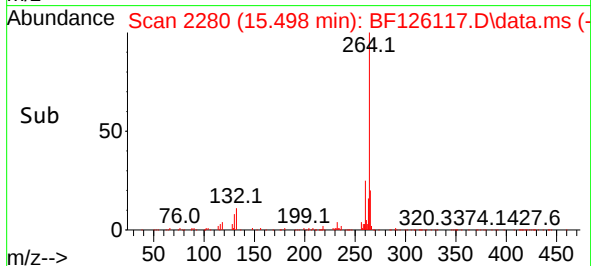
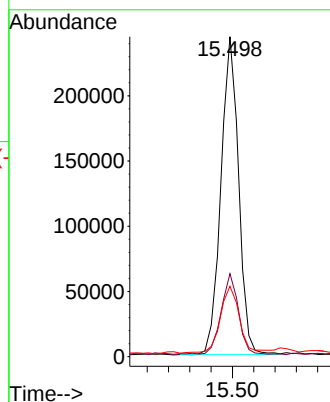
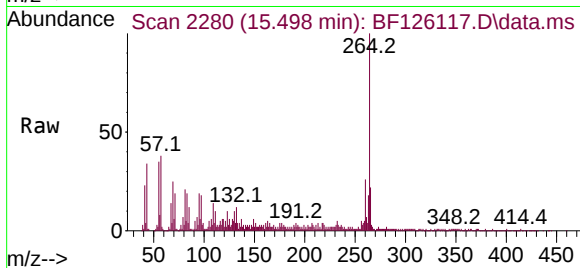
Tgt Ion:264 Resp: 279985

Ion Ratio Lower Upper

264 100

260 25.9 19.6 29.4

265 22.0 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.145 ng

RT: 16.962 min Scan# 2529

Delta R.T. 0.035 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

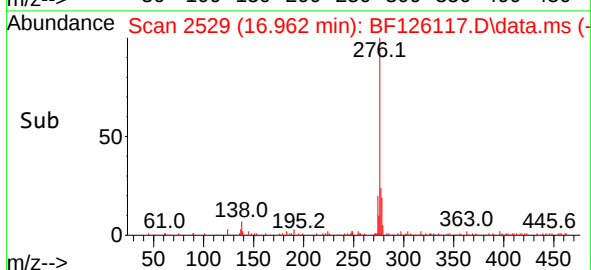
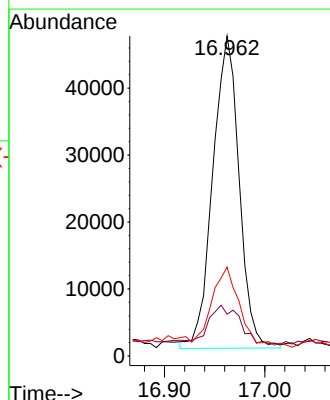
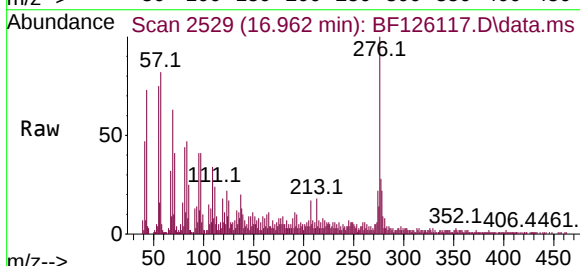
Tgt Ion:276 Resp: 85263

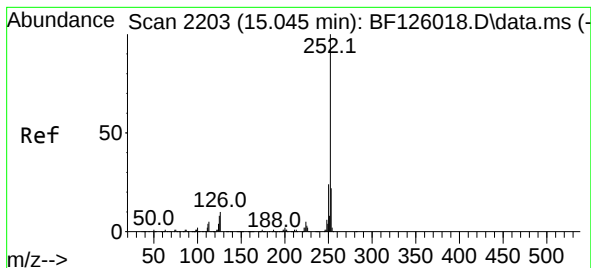
Ion Ratio Lower Upper

276 100

138 15.9 24.1 36.1#

277 27.5 18.8 28.2





#88

Benzo(b)fluoranthene

Concen: 17.987 ng

RT: 15.068 min Scan# 2207

Delta R.T. 0.023 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

Instrument :

BNA_F

ClientSampleId :

DW-2

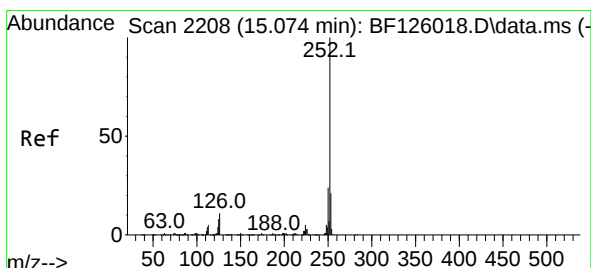
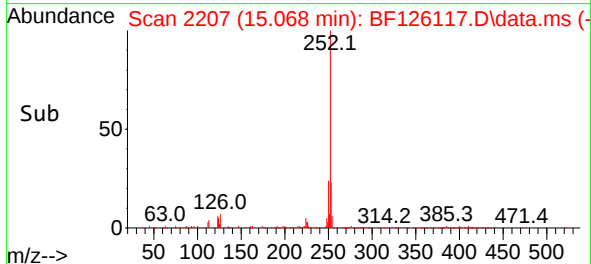
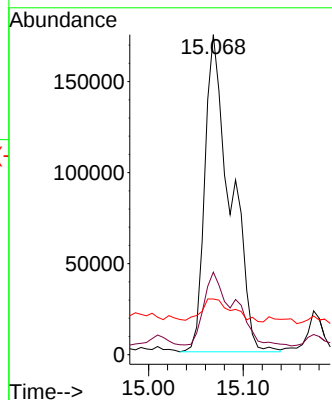
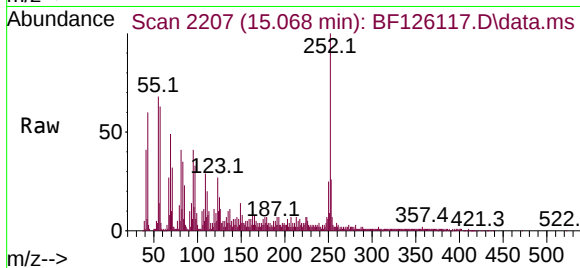
Tgt Ion:252 Resp: 327575

Ion Ratio Lower Upper

252 100

253 25.8 16.8 25.2#

125 17.4 9.8 14.8#



#89

Benzo(k)fluoranthene

Concen: 18.542 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

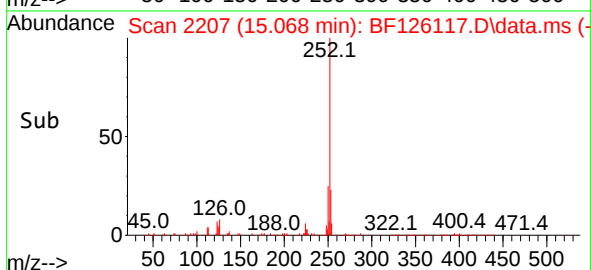
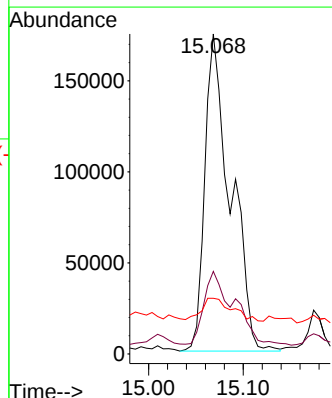
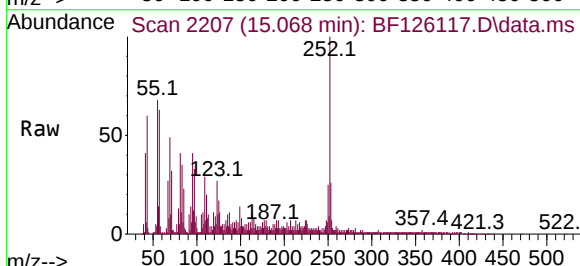
Tgt Ion:252 Resp: 327575

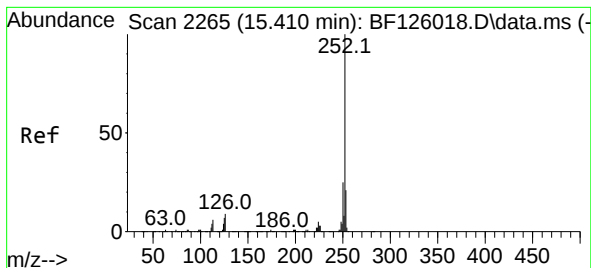
Ion Ratio Lower Upper

252 100

253 25.8 17.8 26.8

125 17.4 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 9.558 ng

RT: 15.433 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

Instrument :

BNA_F

ClientSampleId :

DW-2

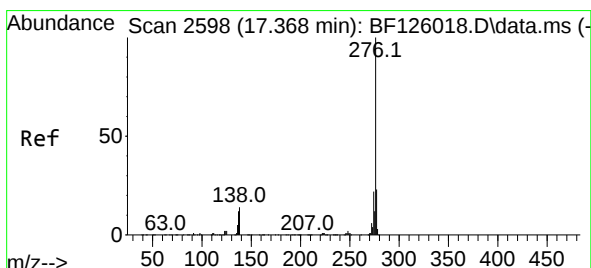
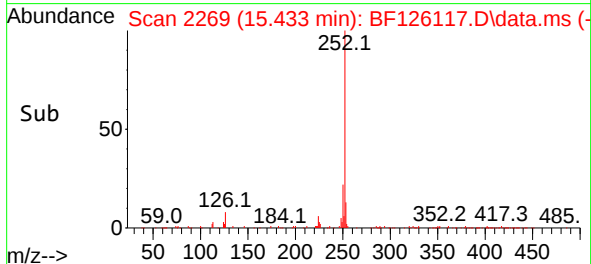
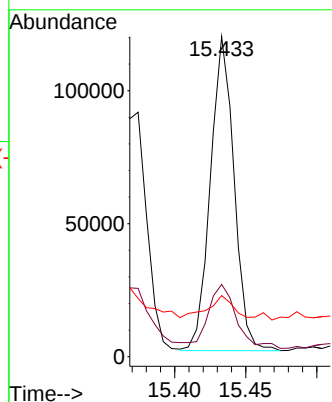
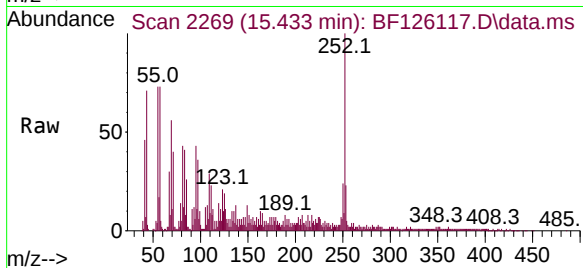
Tgt Ion:252 Resp: 137130

Ion Ratio Lower Upper

252 100

253 22.6 18.4 27.6

125 19.1 9.9 14.9#



#92

Benzo(g,h,i)perylene

Concen: 5.774 ng

RT: 17.404 min Scan# 2604

Delta R.T. 0.036 min

Lab File: BF126117.D

Acq: 10 Nov 2021 20:26

Tgt Ion:276 Resp: 75372

Ion Ratio Lower Upper

276 100

277 29.1 22.0 33.0

138 16.8 22.2 33.4#

