

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032422\
 Data File : BF127513.D
 Acq On : 24 Mar 2022 20:16
 Operator : CG\JU
 Sample : N1958-07DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-7-6-7DL

Quant Time: Mar 25 02:16:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF032122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 22 02:16:33 2022
 Response via : Initial Calibration

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

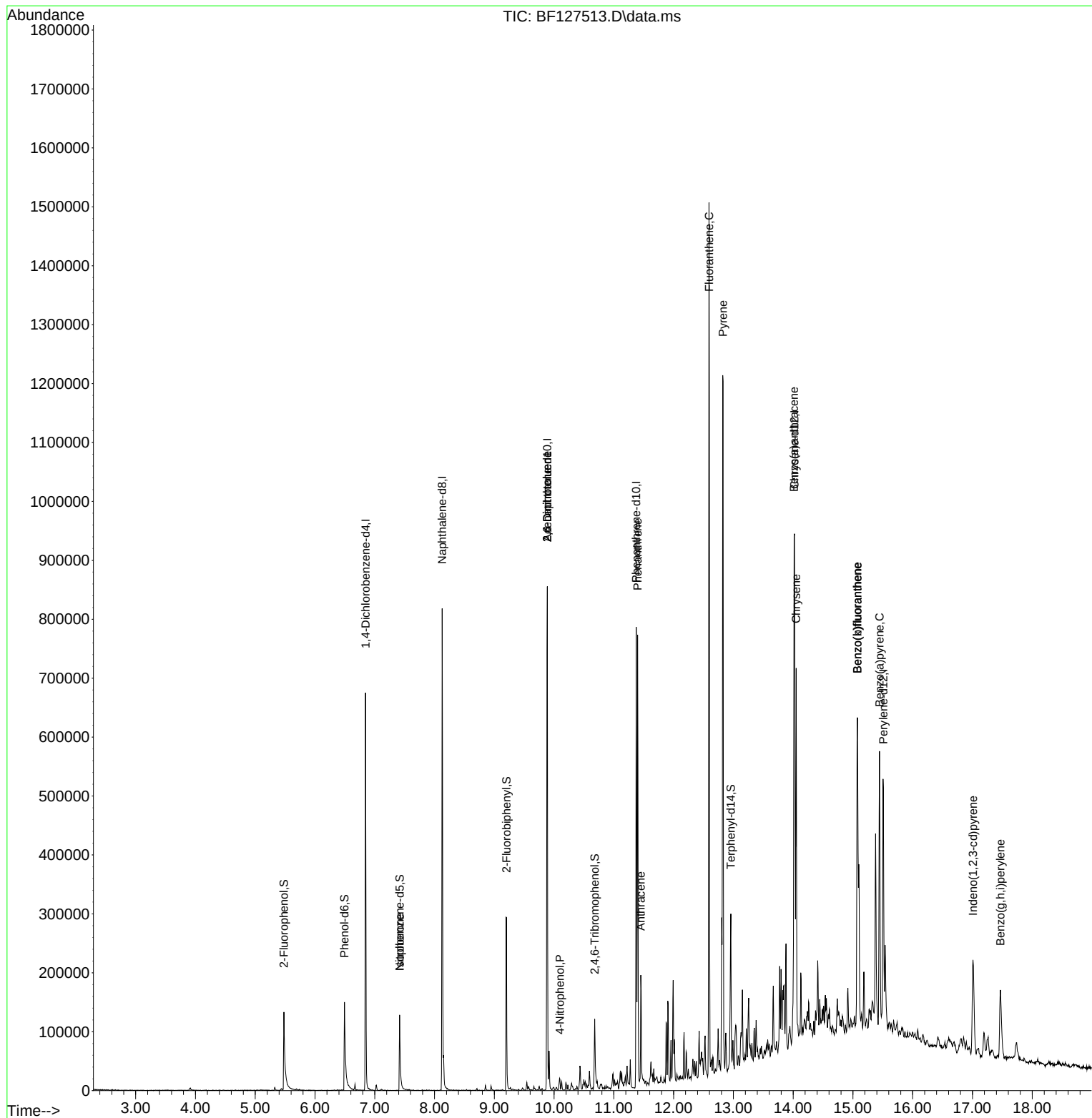
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	88643	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	323656	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	173597	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	260594	20.000	ng	0.00
76) Chrysene-d12	14.021	240	201435	20.000	ng	0.00
86) Perylene-d12	15.509	264	200984	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	57487	10.352	ng	0.01
7) Phenol-d6	6.492	99	78404	10.329	ng	0.00
23) Nitrobenzene-d5	7.416	82	50752	6.703	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	13955	7.546	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	100371	8.443	ng	0.00
79) Terphenyl-d14	12.957	244	78837	6.407	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	55	Below Cal	#	1
25) Isophorone	7.416	82	50752	4.208	ng	# 70
51) 2,6-Dinitrotoluene	9.886	165	22563	8.900	ng	# 17
55) Dibenzofuran	10.098	168	7832	Below Cal	#	97
56) 4-Nitrophenol	10.098	139	3231	2.283	ng	# 1
57) 2,4-Dinitrotoluene	9.886	165	22563	6.915	ng	# 13
58) Fluorene	10.439	166	11398	Below Cal		100
71) Phenanthrene	11.398	178	257968	18.988	ng	98
72) Anthracene	11.451	178	74197	5.503	ng	98
75) Fluoranthene	12.592	202	580570	38.852	ng	98
78) Pyrene	12.827	202	523054	30.256	ng	99
81) Benzo(a)anthracene	14.015	228	287946	21.375	ng	99
83) Chrysene	14.051	228	220891	17.316	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	107681	7.918	ng	99
88) Benzo(b)fluoranthene	15.074	252	406914	32.110	ng	98
89) Benzo(k)fluoranthene	15.074	252	406914	30.974	ng	99
90) Benzo(a)pyrene	15.445	252	227175	21.844	ng	97
92) Benzo(g,h,i)perylene	17.468	276	98117	8.454	ng	97

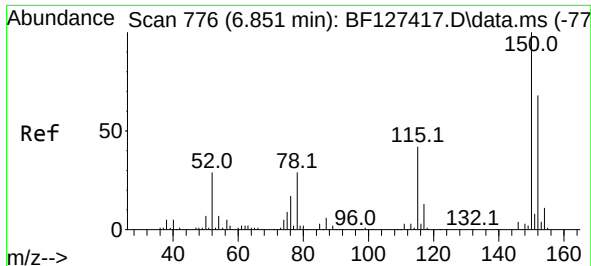
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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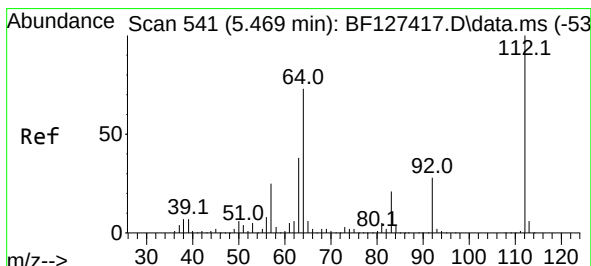
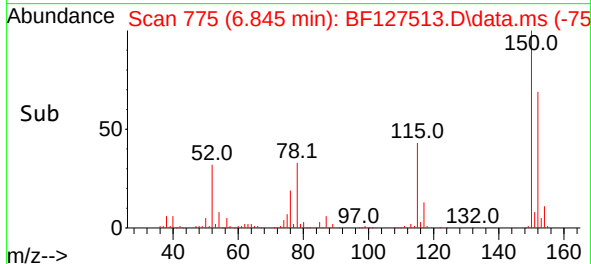
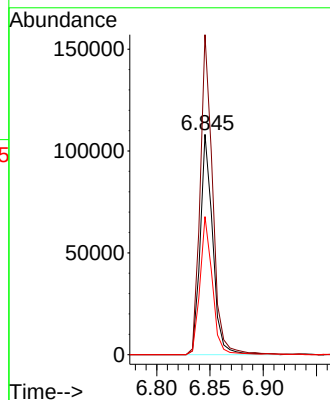
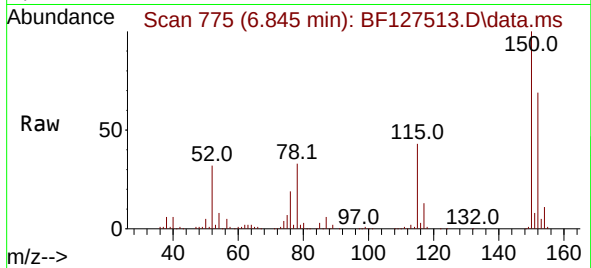




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

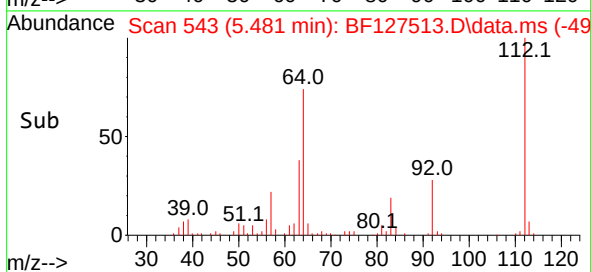
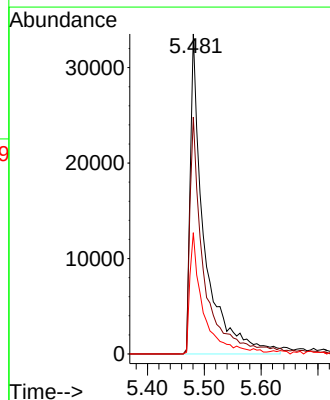
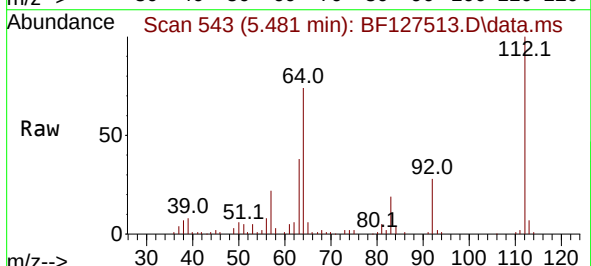
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL

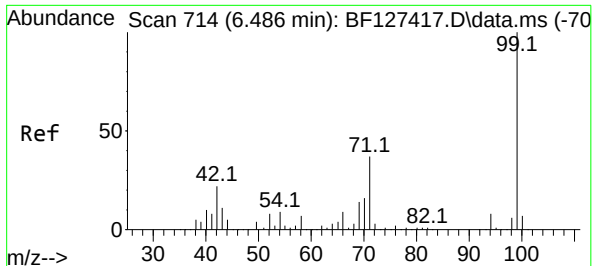
Tgt Ion:152 Resp: 88643
Ion Ratio Lower Upper
152 100
150 145.3 117.2 175.8
115 62.7 49.8 74.6



#5
2-Fluorophenol
Concen: 10.352 ng
RT: 5.481 min Scan# 543
Delta R.T. 0.012 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

Tgt Ion:112 Resp: 57487
Ion Ratio Lower Upper
112 100
64 74.1 58.4 87.6
63 37.9 30.1 45.1

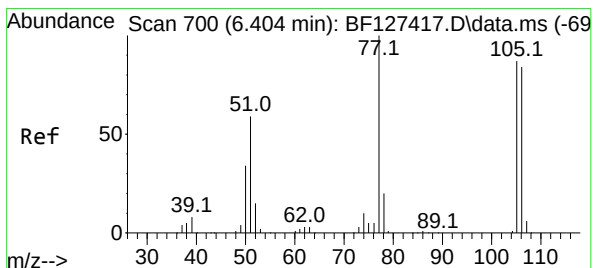
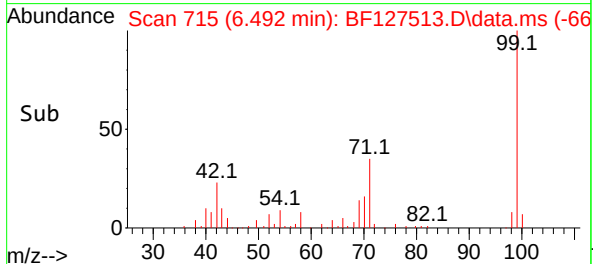
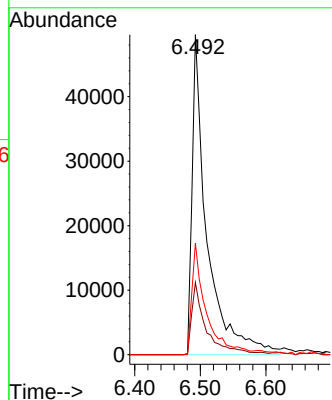
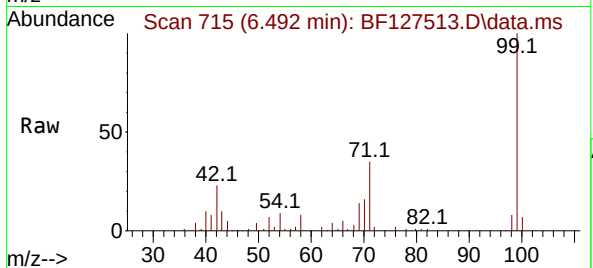




#7
Phenol-d6
Concen: 10.329 ng
RT: 6.492 min Scan# 714
Delta R.T. 0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

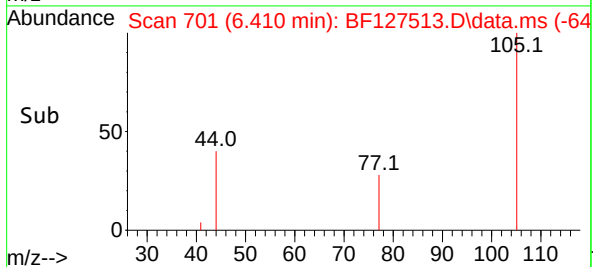
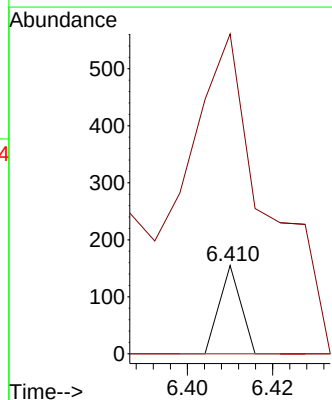
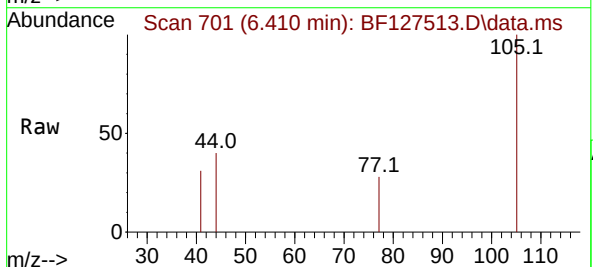
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL

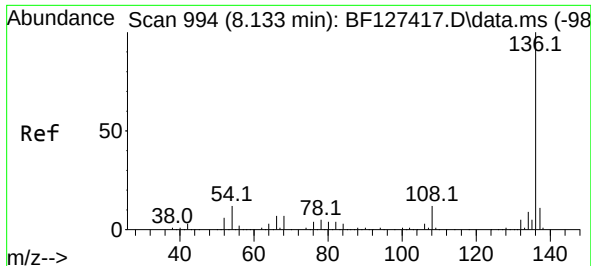
Tgt Ion: 99 Resp: 78404
Ion Ratio Lower Upper
99 100
42 22.6 17.8 26.6
71 34.9 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.410 min Scan# 701
Delta R.T. 0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

Tgt Ion: 77 Resp: 55
Ion Ratio Lower Upper
77 100
105 361.9 66.8 106.8#
106 0.0 64.3 104.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.128 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-7-6-7DL

Tgt Ion:136 Resp: 323656

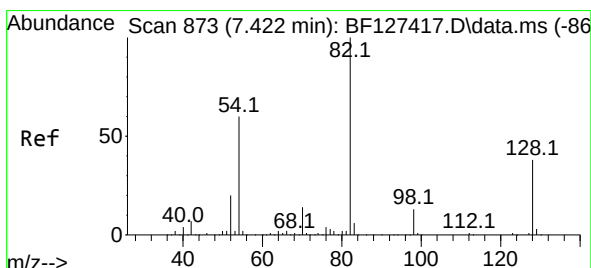
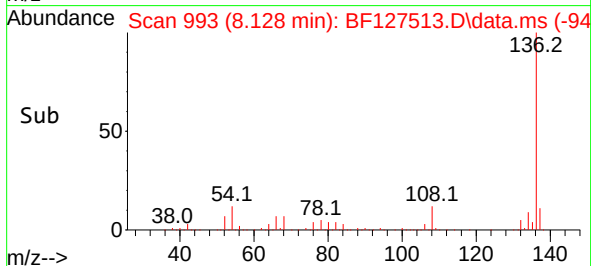
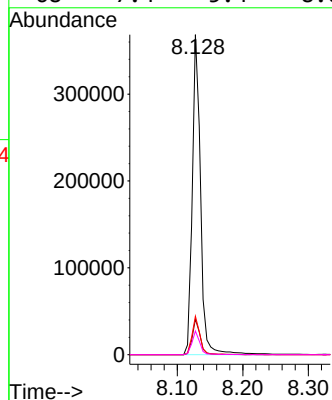
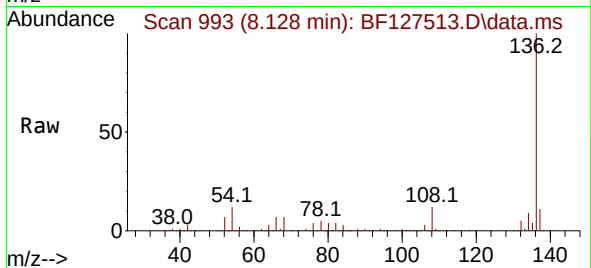
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 12.0 9.2 13.8

68 7.4 5.4 8.0



#23

Nitrobenzene-d5

Concen: 6.703 ng

RT: 7.416 min Scan# 872

Delta R.T. -0.006 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

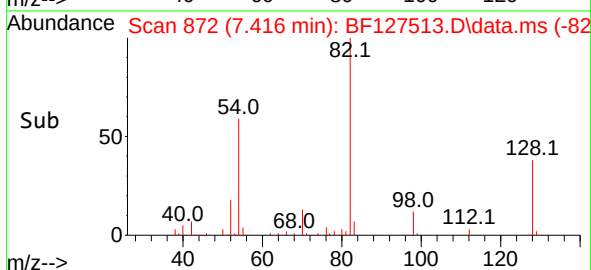
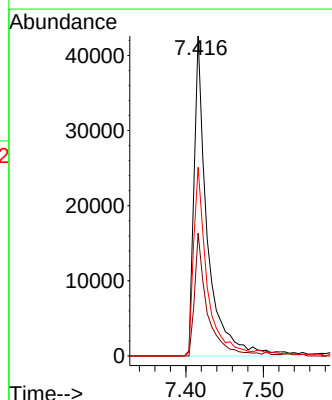
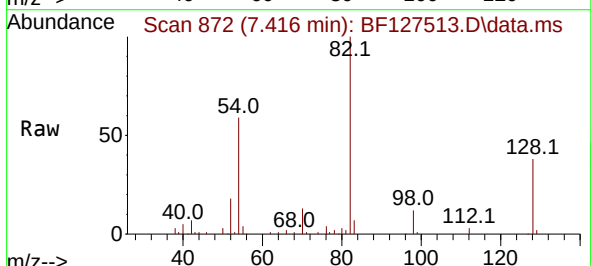
Tgt Ion: 82 Resp: 50752

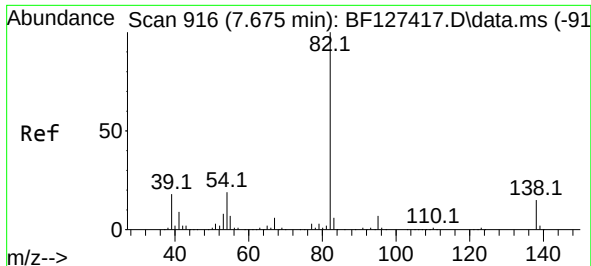
Ion Ratio Lower Upper

82 100

128 38.4 30.6 45.8

54 59.0 48.2 72.2

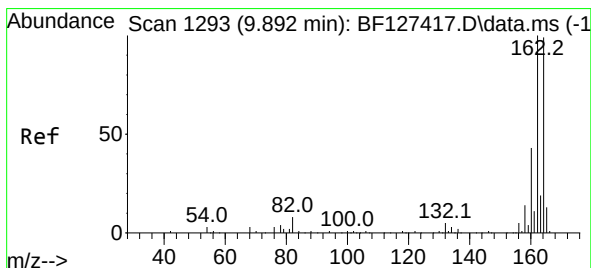
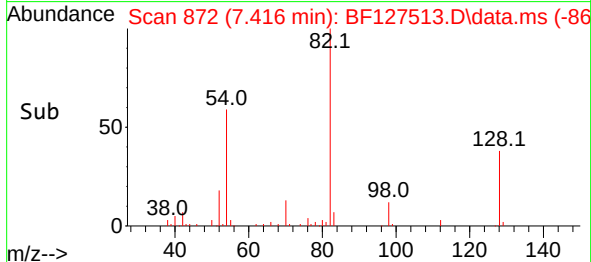
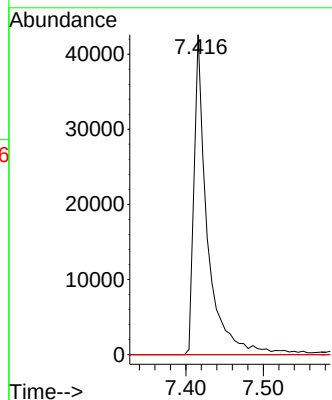
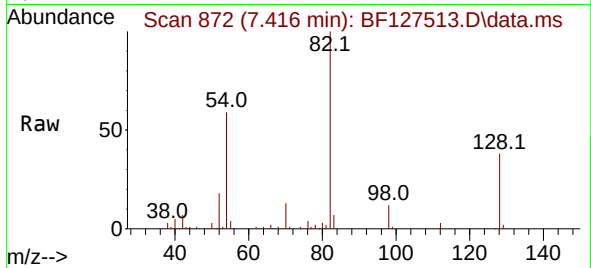




#25
Isophorone
Concen: 4.208 ng
RT: 7.416 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

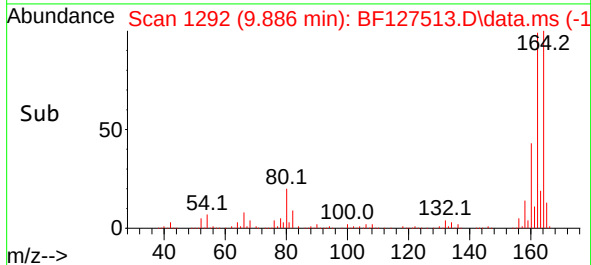
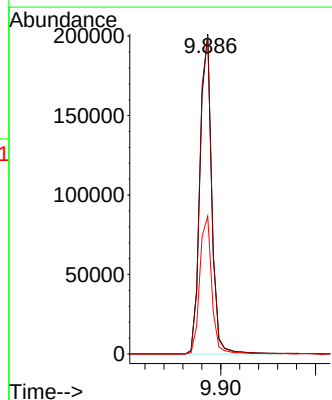
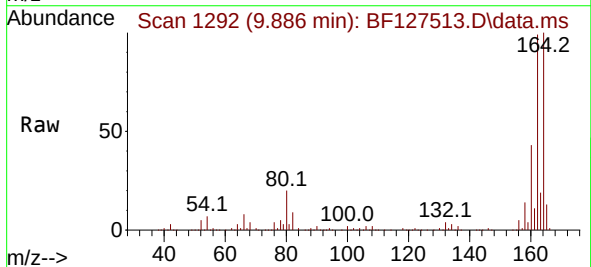
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL

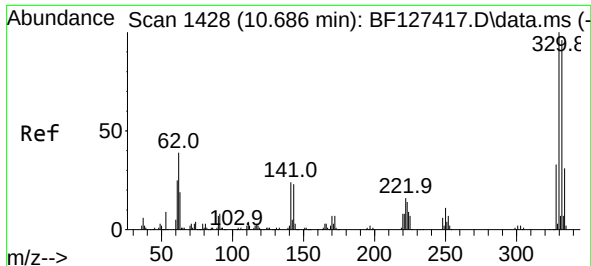
Tgt Ion: 82 Resp: 50752
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

Tgt Ion: 164 Resp: 173597
Ion Ratio Lower Upper
164 100
162 99.3 81.2 121.8
160 43.0 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 7.546 ng

RT: 10.680 min Scan# 1428

Delta R.T. -0.006 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-7-6-7DL

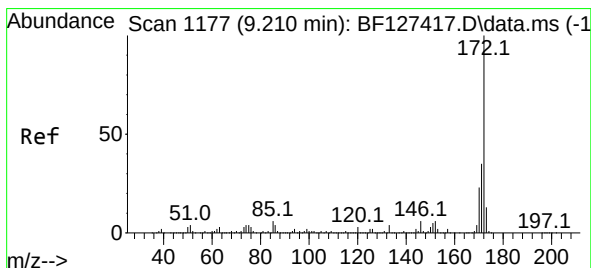
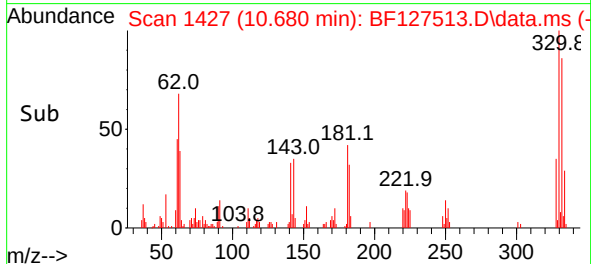
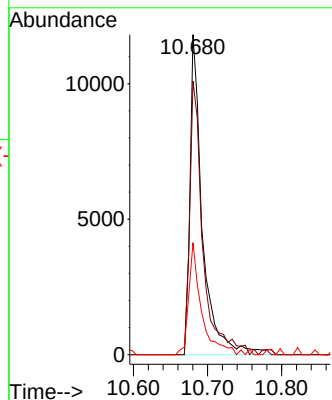
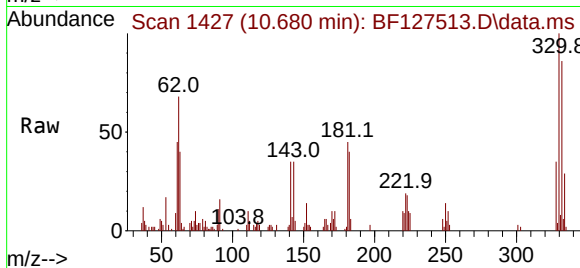
Tgt Ion:330 Resp: 13955

Ion Ratio Lower Upper

330 100

332 89.6 79.1 118.7

141 35.4 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 8.443 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

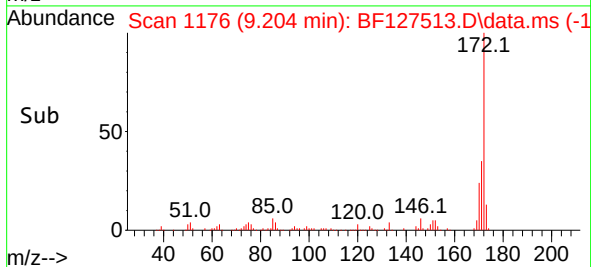
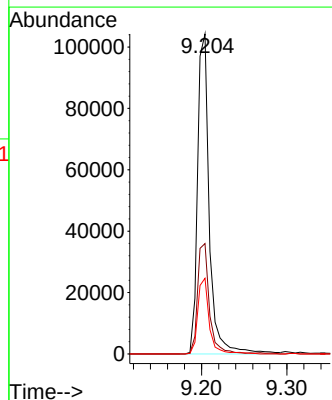
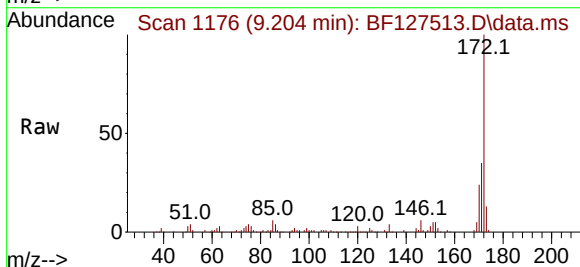
Tgt Ion:172 Resp: 100371

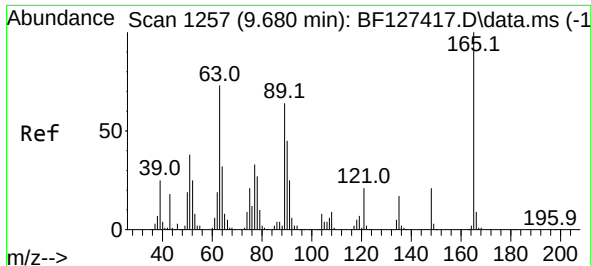
Ion Ratio Lower Upper

172 100

171 34.5 28.4 42.6

170 23.7 18.6 27.8

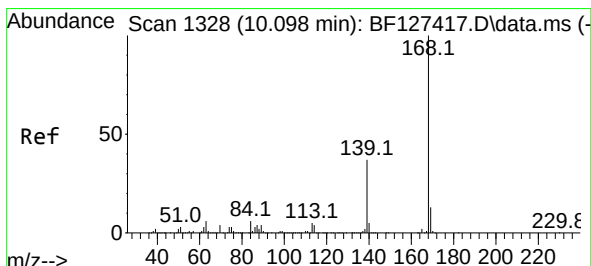
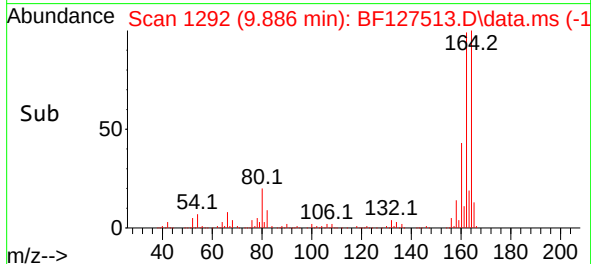
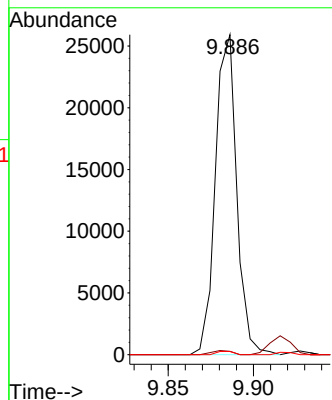
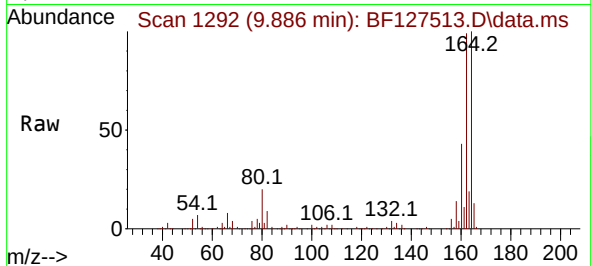




#51
2,6-Dinitrotoluene
Concen: 8.900 ng
RT: 9.886 min Scan# 1292
Delta R.T. 0.206 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

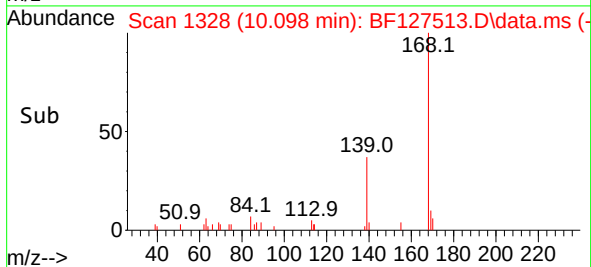
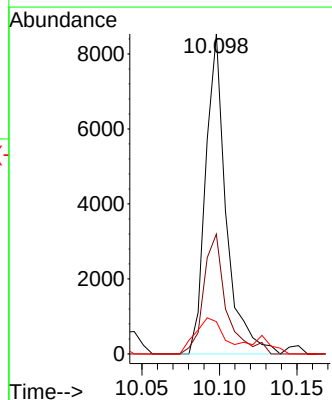
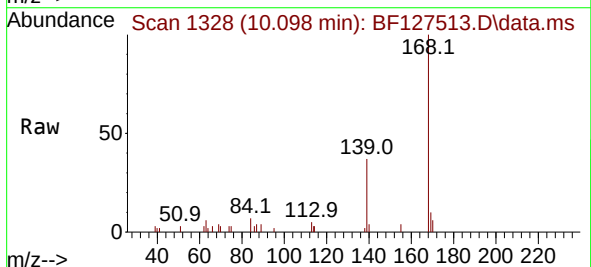
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C-7-6-7DL

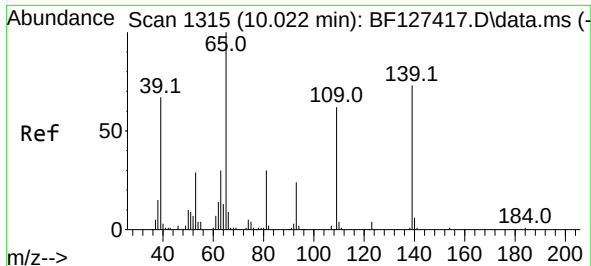
Tgt Ion:165 Resp: 22563
Ion Ratio Lower Upper
165 100
63 1.0 58.3 87.5#
89 1.0 51.5 77.3#



#55
Dibenzofuran
Concen: Below Cal
RT: 10.098 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

Tgt Ion:168 Resp: 7832
Ion Ratio Lower Upper
168 100
139 37.4 30.3 45.5
169 10.1 10.8 16.2#

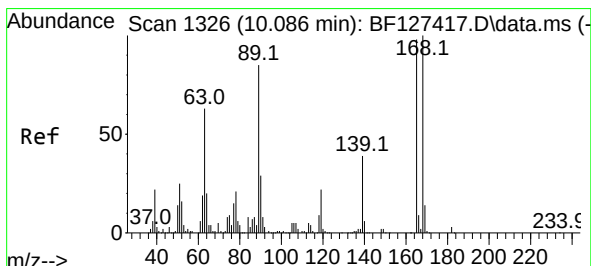
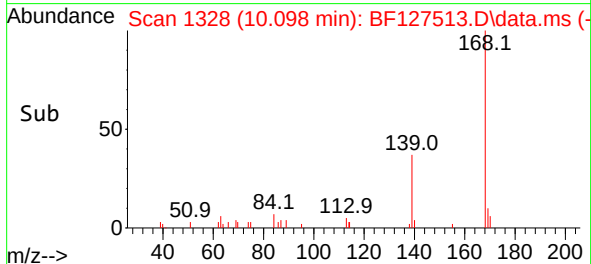
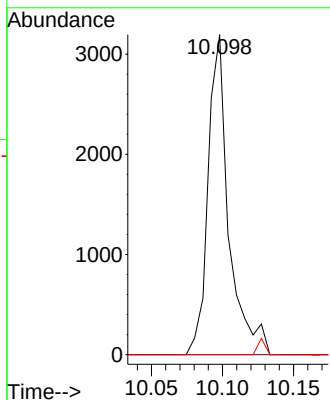
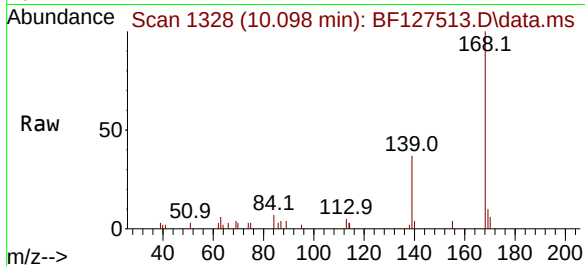




#56
4-Nitrophenol
Concen: 2.283 ng
RT: 10.098 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

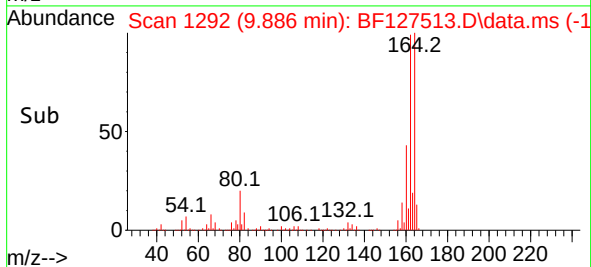
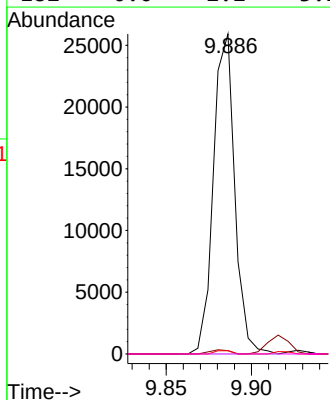
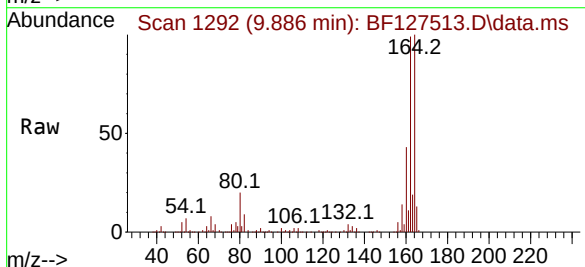
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL

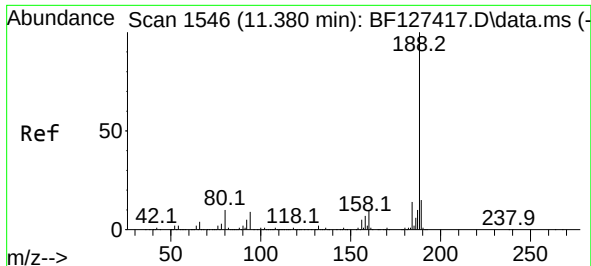
Tgt Ion:139 Resp: 3231
Ion Ratio Lower Upper
139 100
109 0.0 64.3 104.3#
65 0.0 117.5 157.5#



#57
2,4-Dinitrotoluene
Concen: 6.915 ng
RT: 9.886 min Scan# 1292
Delta R.T. -0.200 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

Tgt Ion:165 Resp: 22563
Ion Ratio Lower Upper
165 100
63 1.0 53.1 79.7#
89 1.0 69.2 103.8#
182 0.0 2.2 3.2#

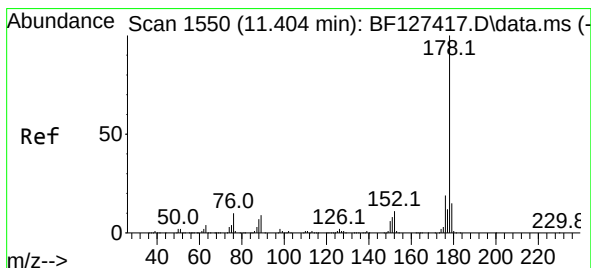
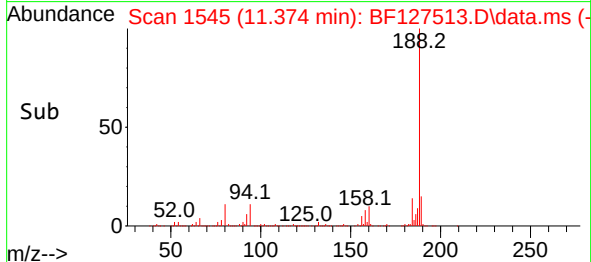
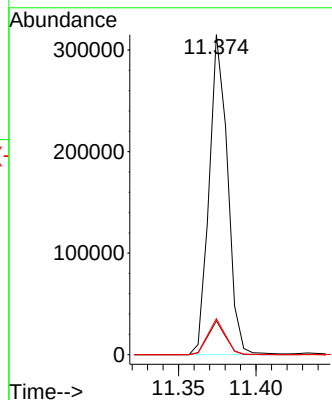
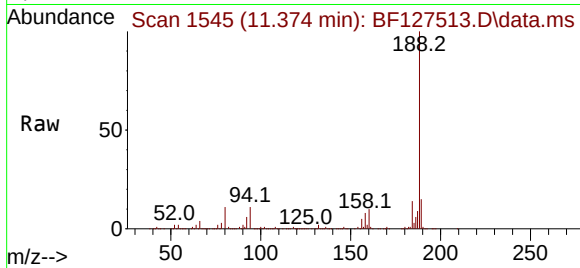




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

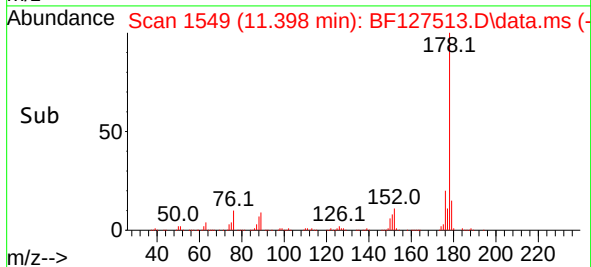
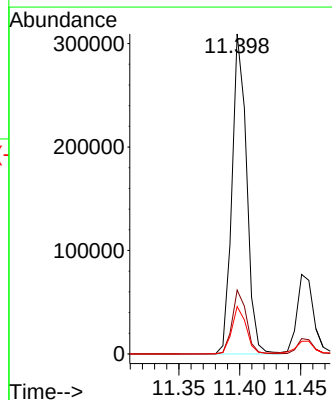
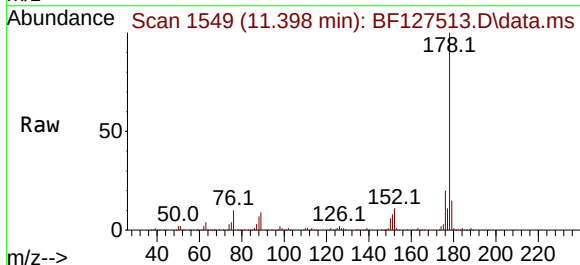
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL

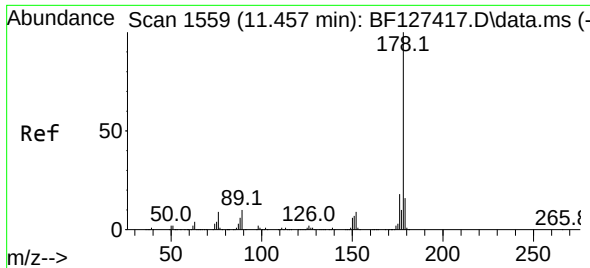
Tgt Ion:188 Resp: 260594
Ion Ratio Lower Upper
188 100
94 10.5 7.4 11.0
80 11.3 8.0 12.0



#71
Phenanthrene
Concen: 18.988 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

Tgt Ion:178 Resp: 257968
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 14.8 12.4 18.6

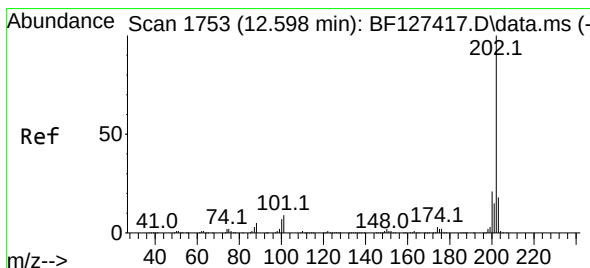
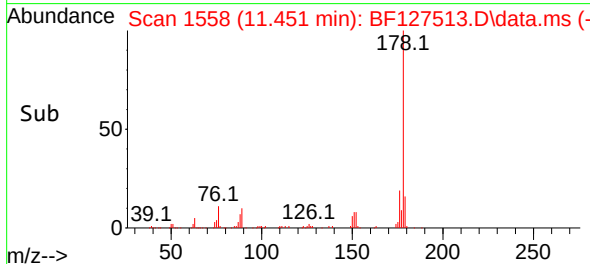
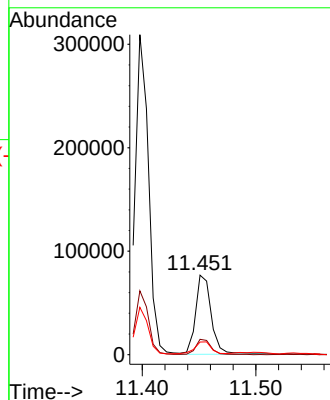
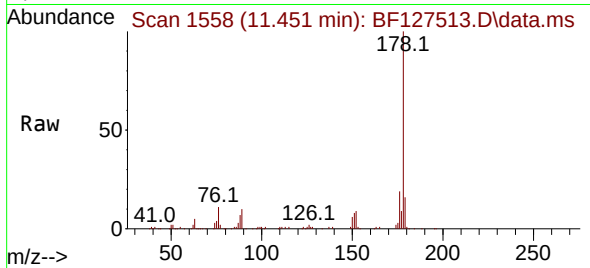




#72
 Anthracene
 Concen: 5.503 ng
 RT: 11.451 min Scan# 1558
 Delta R.T. -0.006 min
 Lab File: BF127513.D
 Acq: 24 Mar 2022 20:16

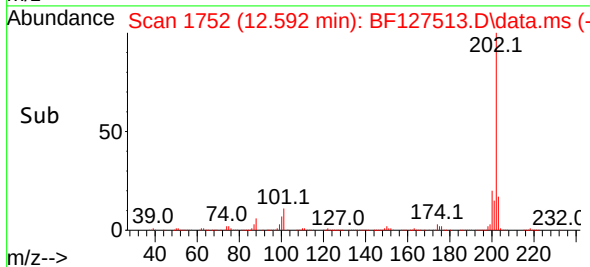
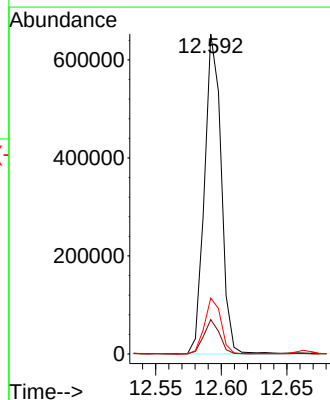
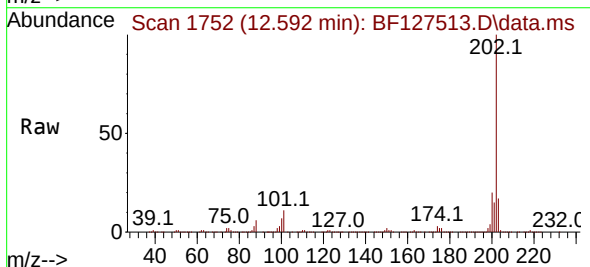
Instrument :
 BNA_F
 ClientSampleId :
 C-7-6-7DL

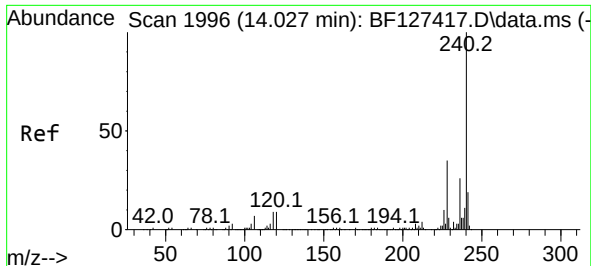
Tgt Ion:178 Resp: 74197
 Ion Ratio Lower Upper
 178 100
 176 19.4 14.6 22.0
 179 15.8 12.4 18.6



#75
 Fluoranthene
 Concen: 38.852 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF127513.D
 Acq: 24 Mar 2022 20:16

Tgt Ion:202 Resp: 580570
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.0
 203 17.5 0.0 37.7

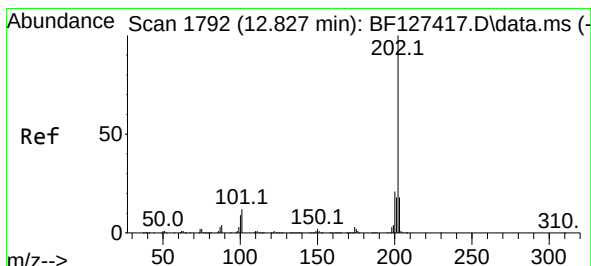
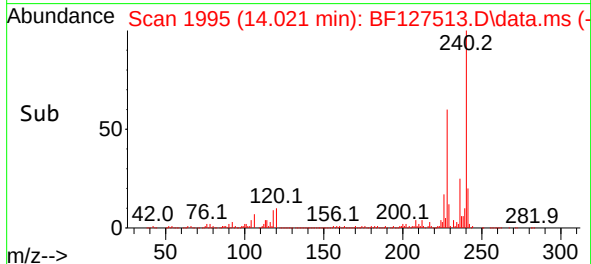
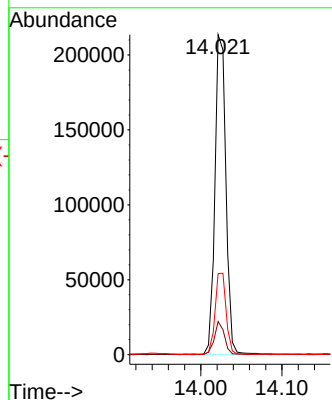
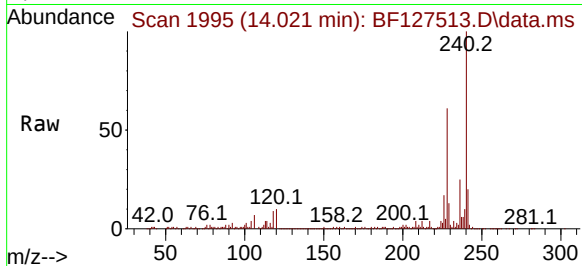




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

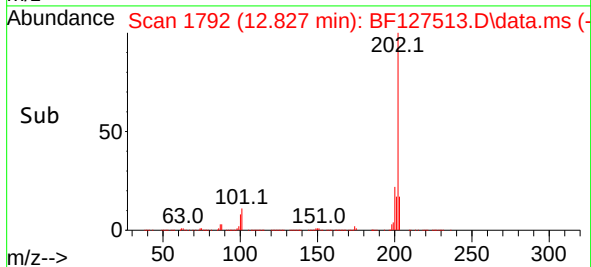
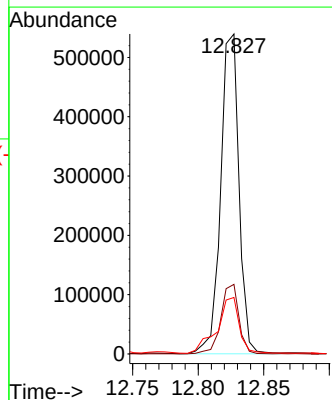
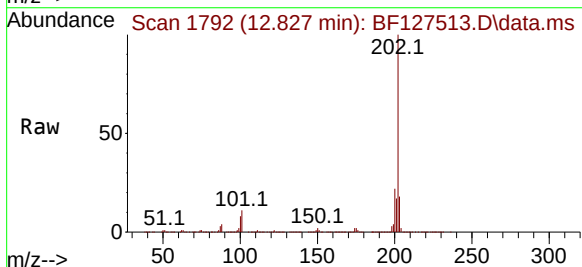
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL

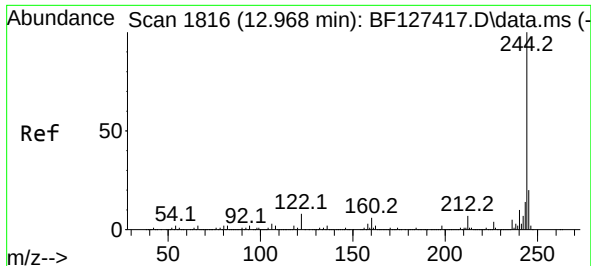
Tgt Ion:240 Resp: 201435
Ion Ratio Lower Upper
240 100
120 10.3 7.1 10.7
236 25.4 20.7 31.1



#78
Pyrene
Concen: 30.256 ng
RT: 12.827 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

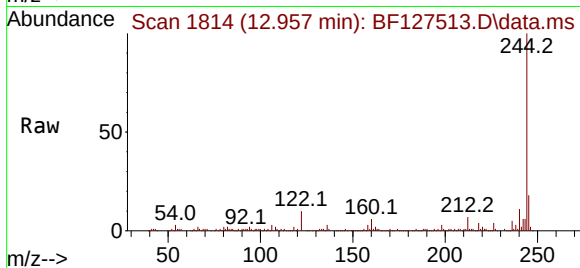
Tgt Ion:202 Resp: 523054
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 17.6 14.3 21.5



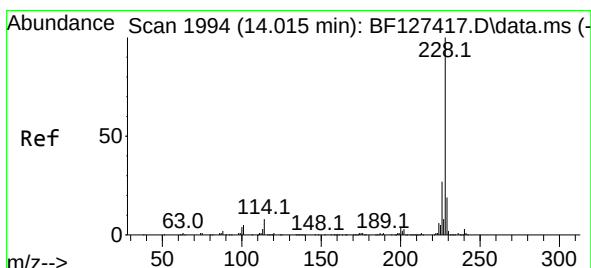
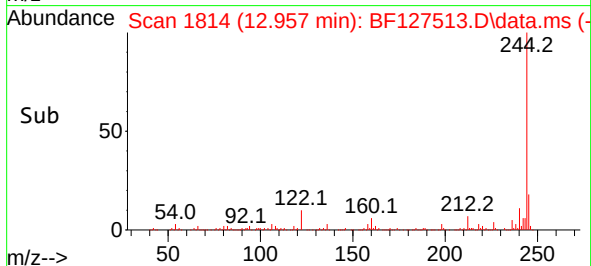
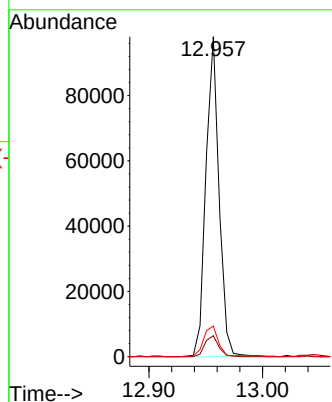


#79
 Terphenyl-d14
 Concen: 6.407 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF127513.D
 Acq: 24 Mar 2022 20:16

Instrument :
 BNA_F
 ClientSampleId :
 C-7-6-7DL

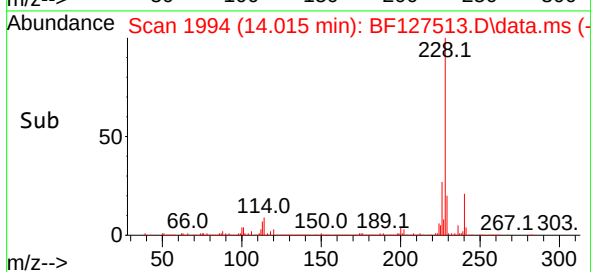
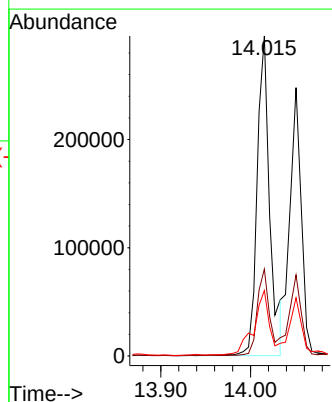
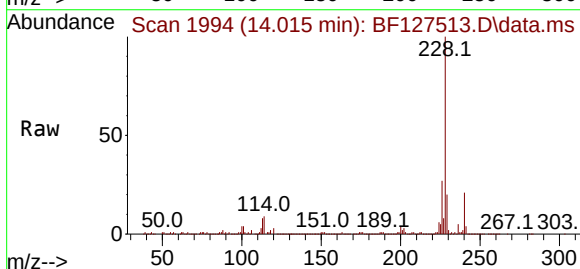


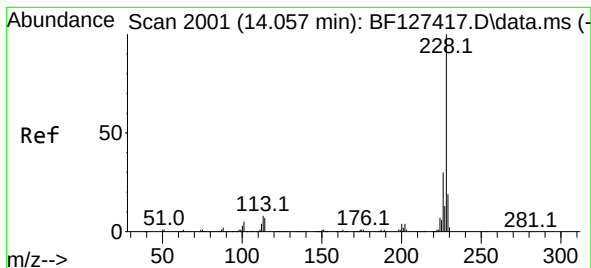
Tgt Ion:244 Resp: 78837
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 9.6 6.2 9.2#



#81
 Benzo(a)anthracene
 Concen: 21.375 ng
 RT: 14.015 min Scan# 1994
 Delta R.T. -0.000 min
 Lab File: BF127513.D
 Acq: 24 Mar 2022 20:16

Tgt Ion:228 Resp: 287946
 Ion Ratio Lower Upper
 228 100
 226 27.2 21.6 32.4
 229 20.5 15.4 23.2





#83

Chrysene

Concen: 17.316 ng

RT: 14.051 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-7-6-7DL

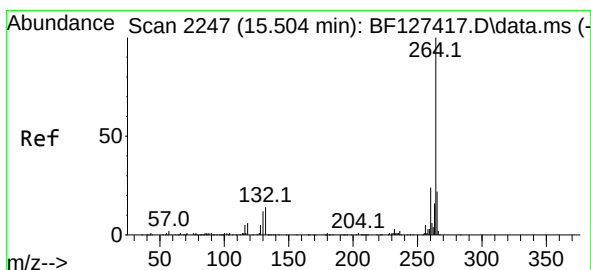
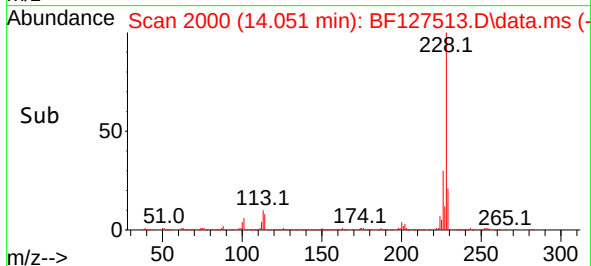
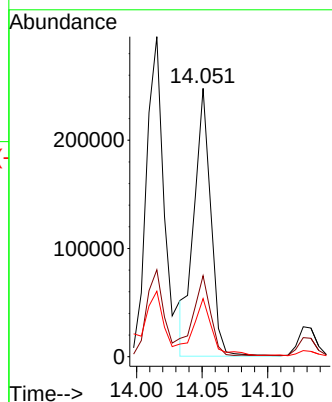
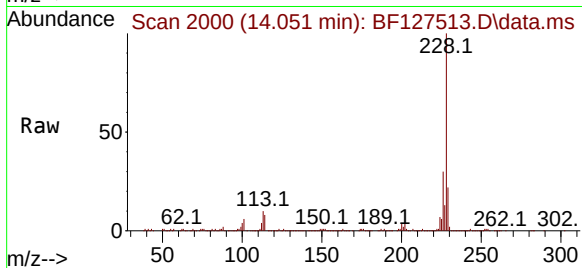
Tgt Ion:228 Resp: 220891

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

229 21.6 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.509 min Scan# 2248

Delta R.T. 0.006 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

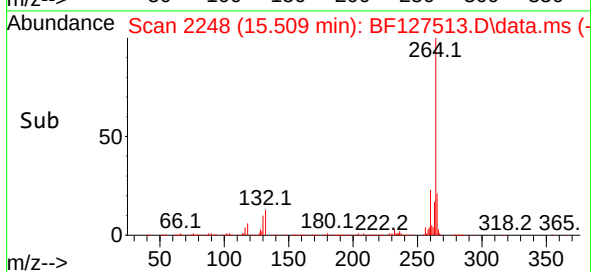
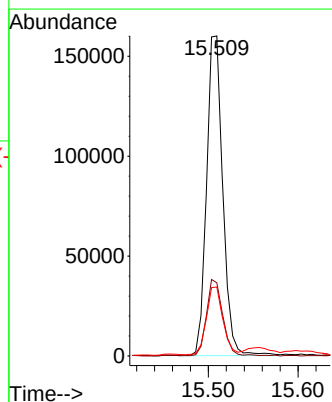
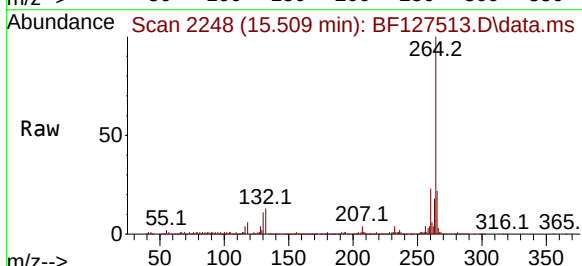
Tgt Ion:264 Resp: 200984

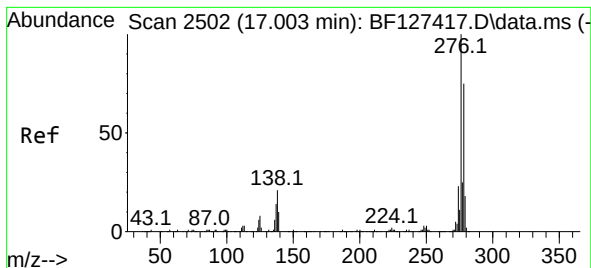
Ion Ratio Lower Upper

264 100

260 22.8 19.1 28.7

265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.918 ng

RT: 17.009 min Scan# 2174

Delta R.T. 0.006 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

Instrument :

BNA_F

ClientSampleId :

C-7-6-7DL

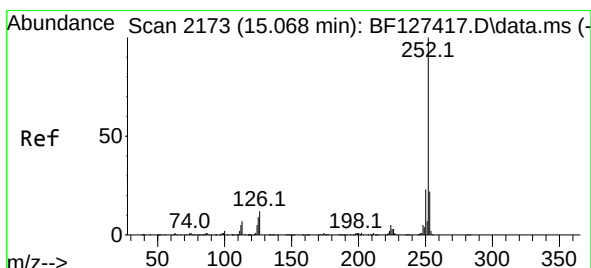
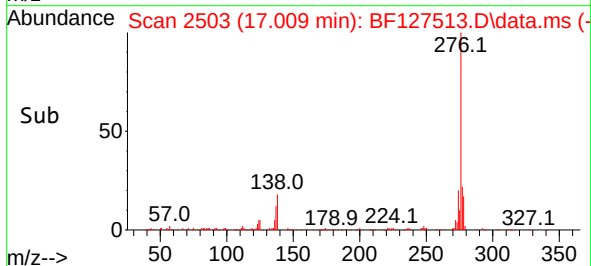
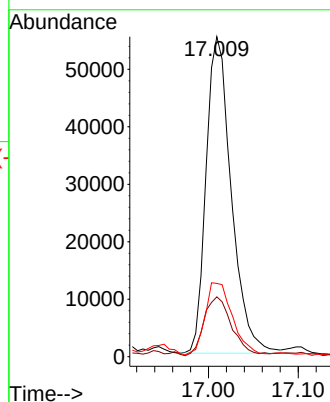
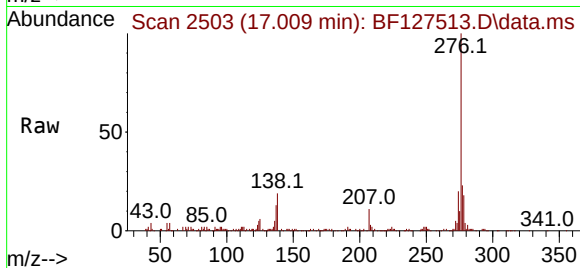
Tgt Ion:276 Resp: 107681

Ion Ratio Lower Upper

276 100

138 20.4 17.1 25.7

277 24.7 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 32.110 ng

RT: 15.074 min Scan# 2174

Delta R.T. 0.006 min

Lab File: BF127513.D

Acq: 24 Mar 2022 20:16

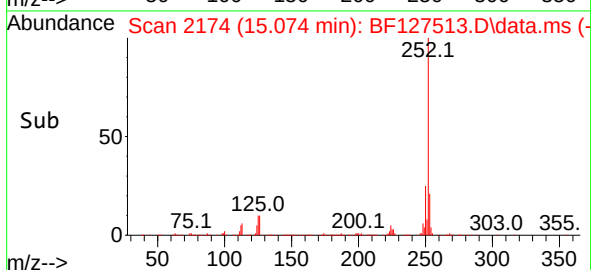
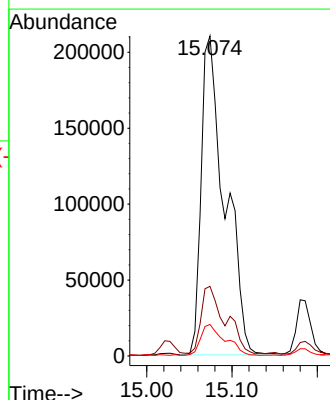
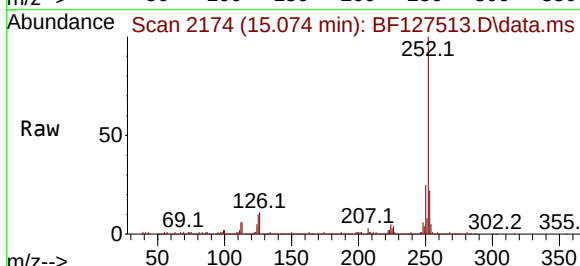
Tgt Ion:252 Resp: 406914

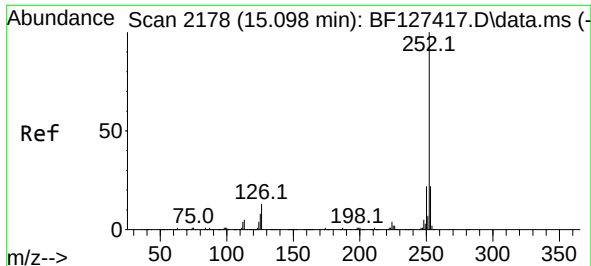
Ion Ratio Lower Upper

252 100

253 21.8 17.9 26.9

125 9.8 7.0 10.4

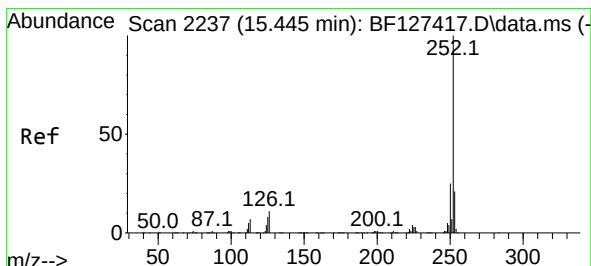
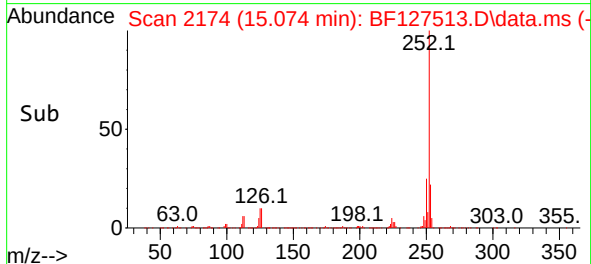
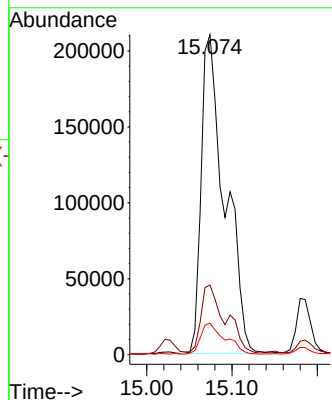
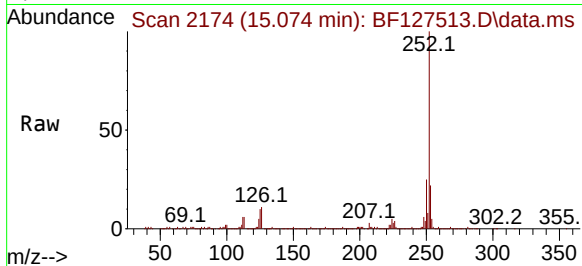




#89
Benzo(k)fluoranthene
Concen: 30.974 ng
RT: 15.074 min Scan# 2178
Delta R.T. -0.024 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

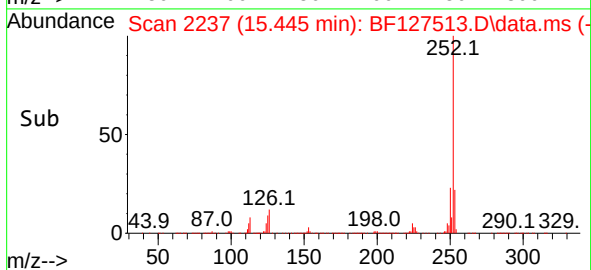
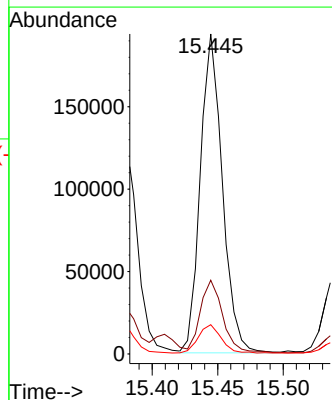
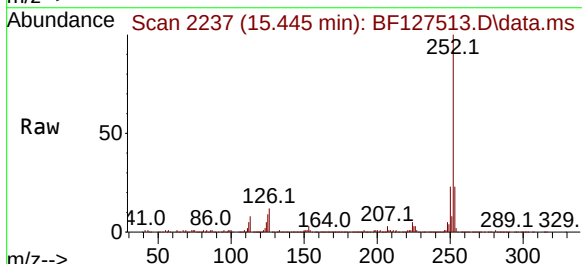
Instrument :
BNA_F
ClientSampleId :
C-7-6-7DL

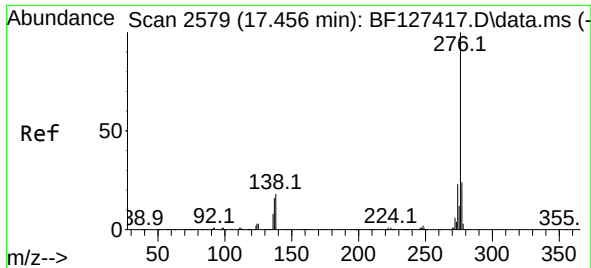
Tgt Ion:252 Resp: 406914
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 9.8 6.9 10.3



#90
Benzo(a)pyrene
Concen: 21.844 ng
RT: 15.445 min Scan# 2237
Delta R.T. -0.000 min
Lab File: BF127513.D
Acq: 24 Mar 2022 20:16

Tgt Ion:252 Resp: 227175
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 9.2 6.7 10.1





#92
 Benzo(g,h,i)perylene
 Concen: 8.454 ng
 RT: 17.468 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF127513.D
 Acq: 24 Mar 2022 20:16

Instrument :
 BNA_F
 ClientSampleId :
 C-7-6-7DL

Tgt Ion:	276	Resp:	98117
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.0	28.4
138	20.7	14.6	22.0

