

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032422\
 Data File : BF127515.D
 Acq On : 24 Mar 2022 21:14
 Operator : CG\JU
 Sample : N1958-13DL 25X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-13-12-13DL

Quant Time: Mar 25 02:16:38 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)

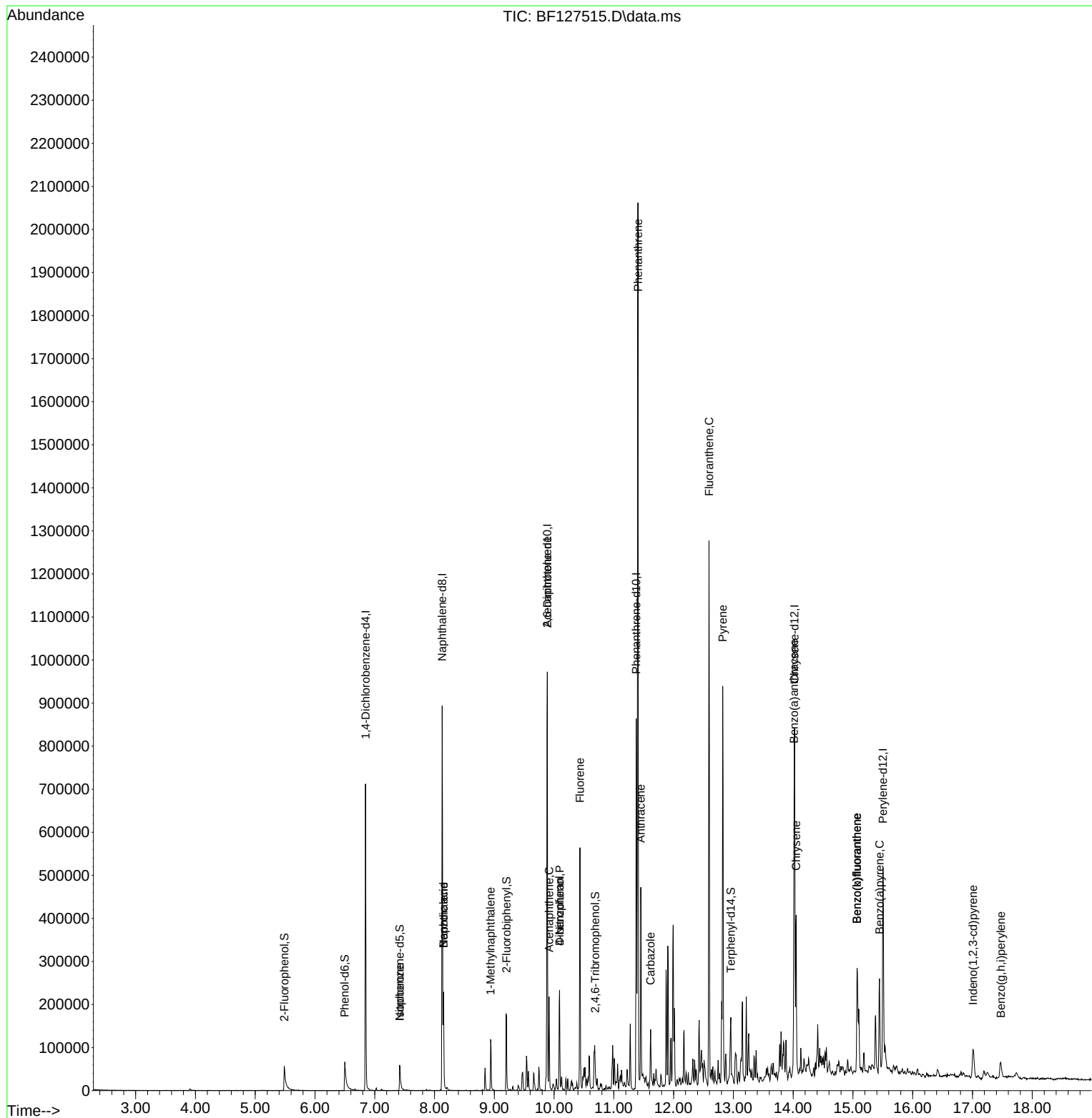
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	92791	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	345124	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	192497	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	296801	20.000	ng	0.00
76) Chrysene-d12	14.021	240	211010	20.000	ng	# 0.00
86) Perylene-d12	15.504	264	215395	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	30475	5.242	ng	0.02
7) Phenol-d6	6.498	99	44970	5.659	ng	0.01
23) Nitrobenzene-d5	7.416	82	28287	3.504	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	8057	3.929	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	58404	4.430	ng	0.00
79) Terphenyl-d14	12.957	244	45095	3.498	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.498	77	55	Below Cal		Qvalue # 7
25) Isophorone	7.416	82	28287	2.200	ng	# 70
31) Naphthalene	8.151	128	85415	4.662	ng	99
32) Benzoic acid	8.151	122	86	6.069	ng	# 1
38) 1-Methylnaphthalene	8.939	142	33251	2.854	ng	90
51) 2,6-Dinitrotoluene	9.886	165	25799	9.178	ng	# 17
52) Acenaphthene	9.916	154	38743	3.837	ng	95
55) Dibenzofuran	10.092	168	88717	2.996	ng	95
56) 4-Nitrophenol	10.092	139	32356	20.616	ng	# 1
58) Fluorene	10.433	166	136637	9.777	ng	98
71) Phenanthrene	11.404	178	706083	45.632	ng	100
72) Anthracene	11.451	178	164197	10.693	ng	99
73) Carbazole	11.616	167	43527	2.964	ng	98
75) Fluoranthene	12.592	202	463472	27.232	ng	98
78) Pyrene	12.821	202	367999	20.321	ng	100
81) Benzo(a)anthracene	14.015	228	172496	12.224	ng	99
83) Chrysene	14.051	228	153854	11.514	ng	99
87) Indeno(1,2,3-cd)pyrene	17.009	276	39905	2.738	ng	98
88) Benzo(b)fluoranthene	15.068	252	192273	14.157	ng	97
89) Benzo(k)fluoranthene	15.068	252	192273	13.657	ng	98
90) Benzo(a)pyrene	15.445	252	105280	9.446	ng	99
92) Benzo(g,h,i)perylene	17.474	276	33008	2.654	ng	97

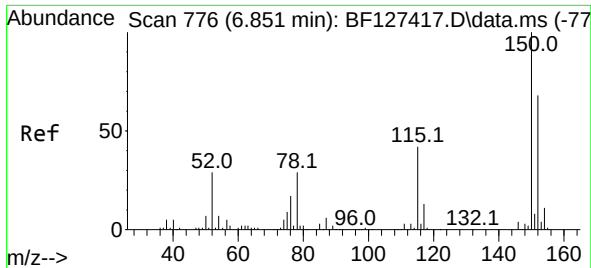
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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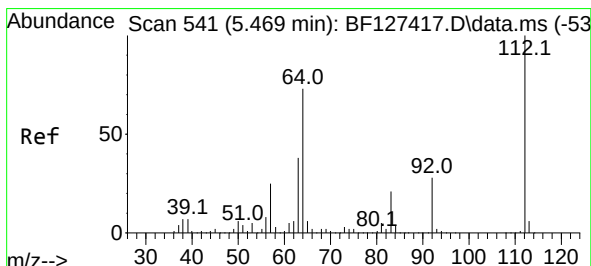
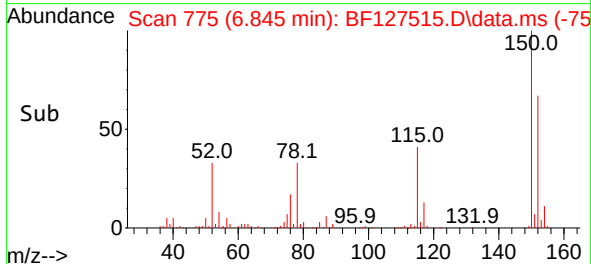
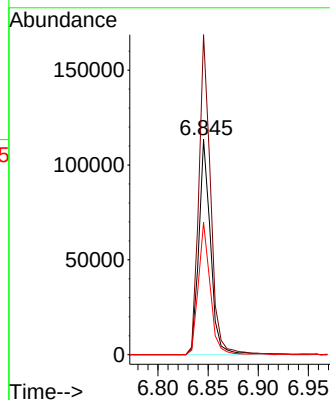
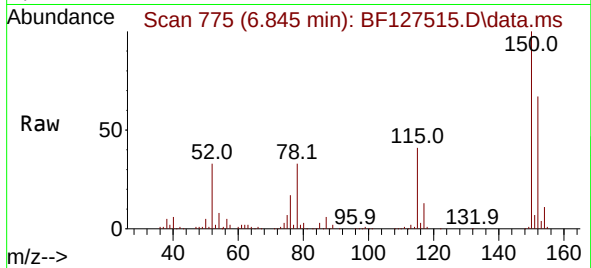




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

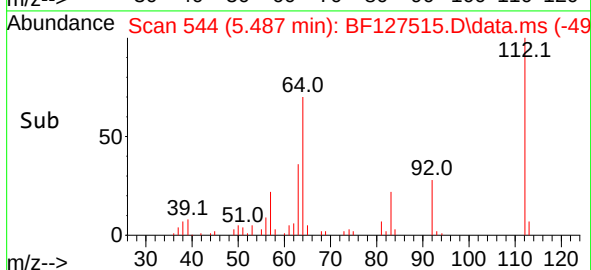
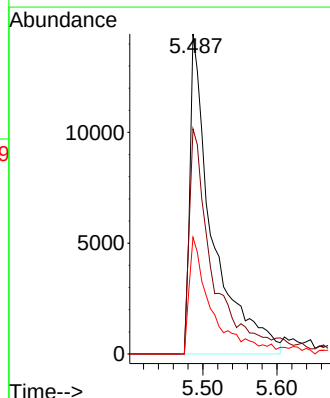
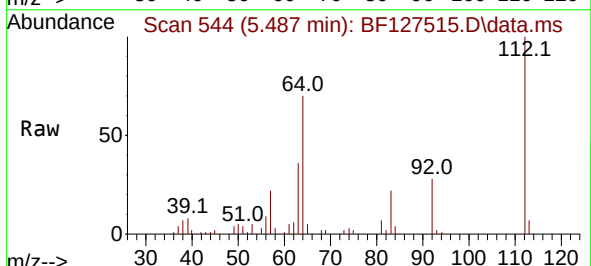
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

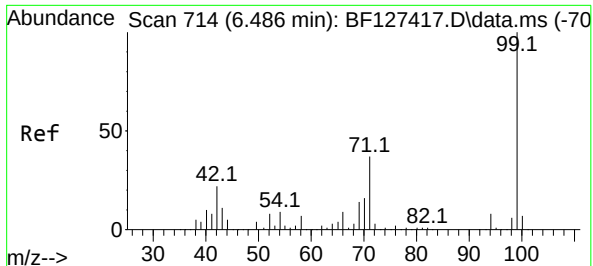
Tgt Ion:152 Resp: 92791
Ion Ratio Lower Upper
152 100
150 148.7 117.2 175.8
115 61.5 49.8 74.6



#5
2-Fluorophenol
Concen: 5.242 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.018 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion:112 Resp: 30475
Ion Ratio Lower Upper
112 100
64 70.3 58.4 87.6
63 36.4 30.1 45.1

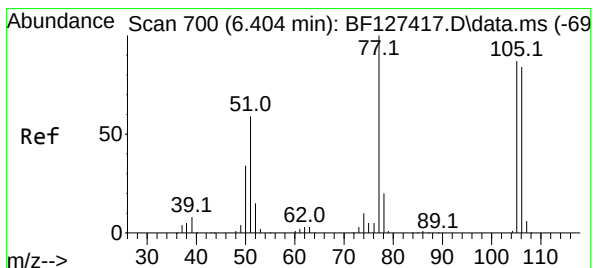
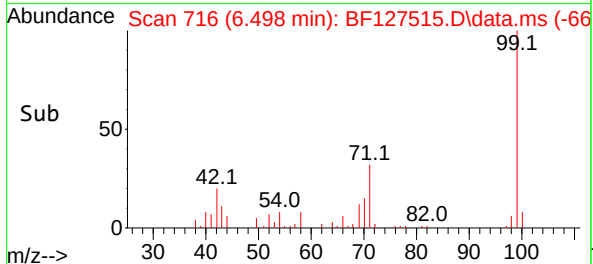
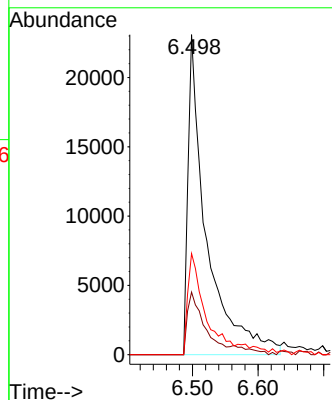
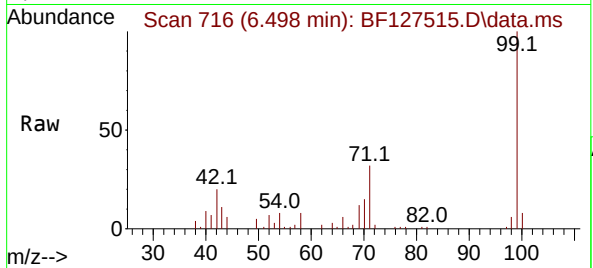




#7
Phenol-d6
Concen: 5.659 ng
RT: 6.498 min Scan# 716
Delta R.T. 0.012 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

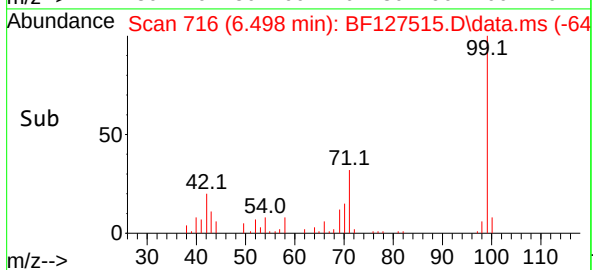
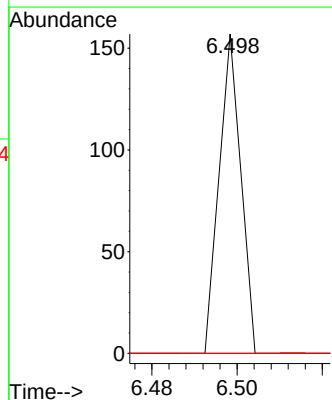
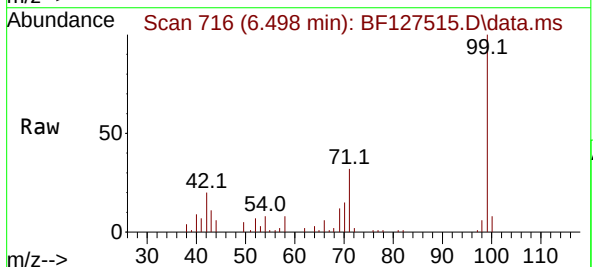
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

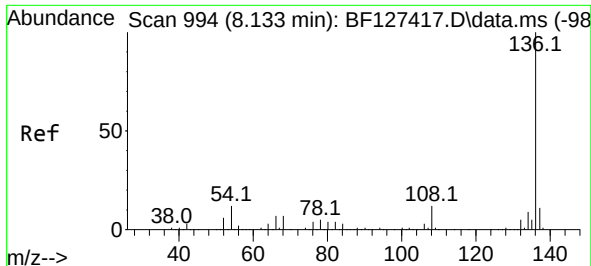
Tgt Ion: 99 Resp: 44970
Ion Ratio Lower Upper
99 100
42 19.6 17.8 26.6
71 31.6 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.498 min Scan# 716
Delta R.T. 0.094 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

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

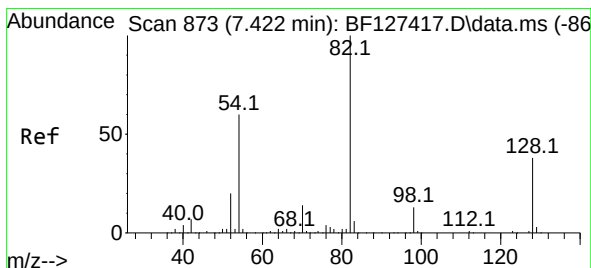
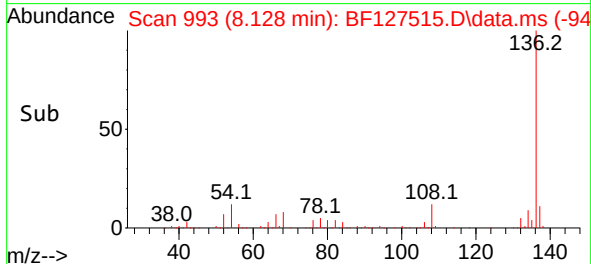
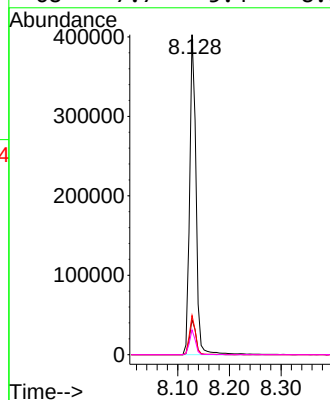
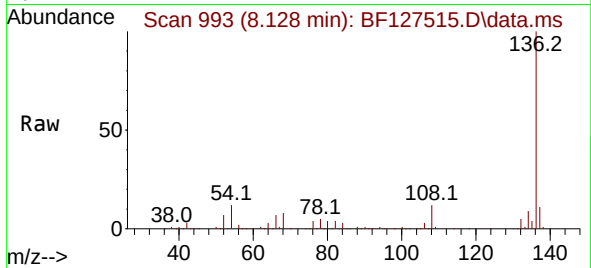




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 994
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

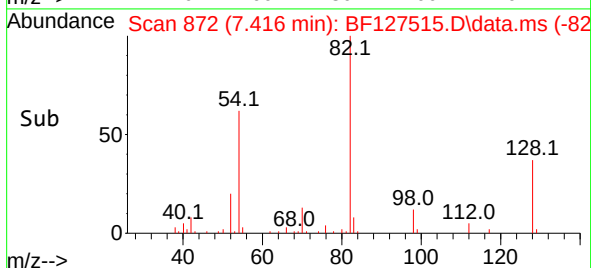
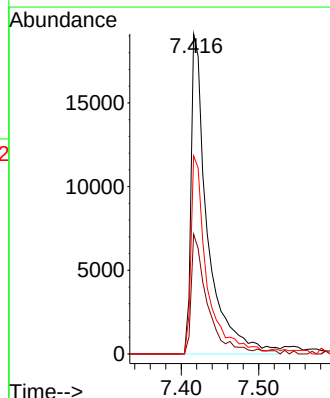
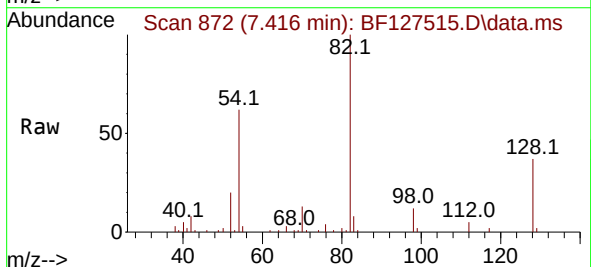
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

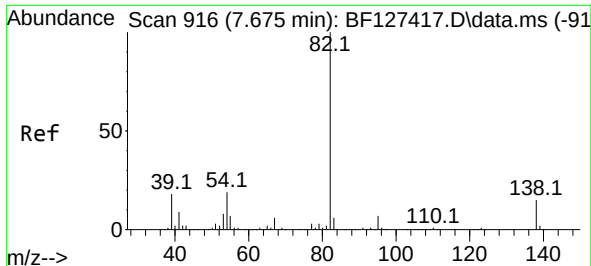
Tgt Ion:136 Resp: 345124
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 12.2 9.2 13.8
68 7.7 5.4 8.0



#23
Nitrobenzene-d5
Concen: 3.504 ng
RT: 7.416 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion: 82 Resp: 28287
Ion Ratio Lower Upper
82 100
128 37.4 30.6 45.8
54 61.9 48.2 72.2

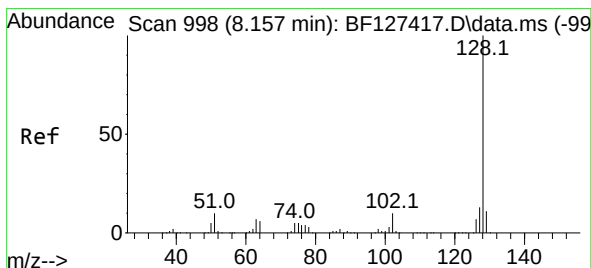
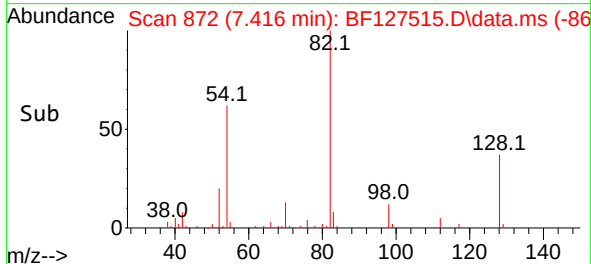
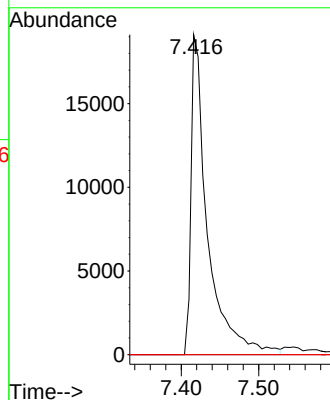
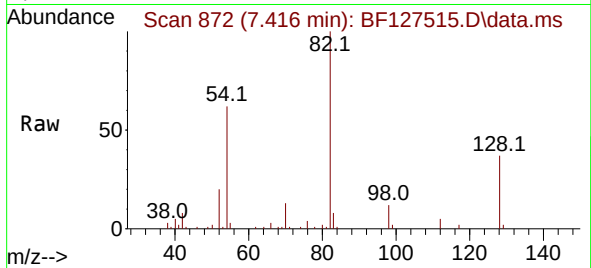




#25
Isophorone
Concen: 2.200 ng
RT: 7.416 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

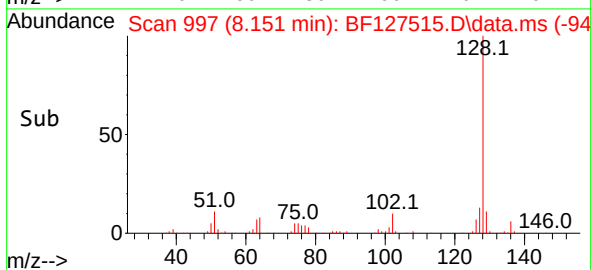
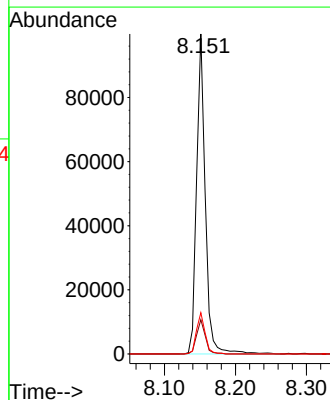
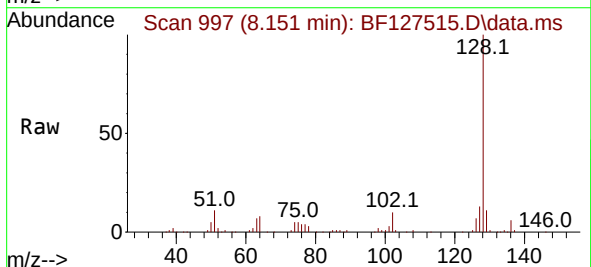
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

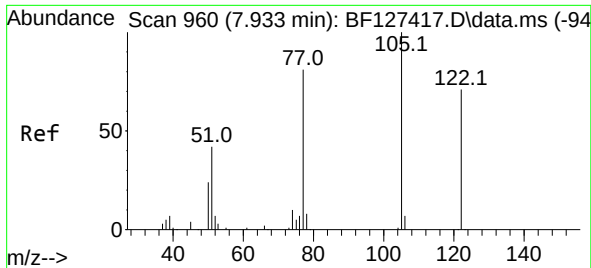
Tgt Ion: 82 Resp: 28287
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#



#31
Naphthalene
Concen: 4.662 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion: 128 Resp: 85415
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 12.9 10.2 15.2

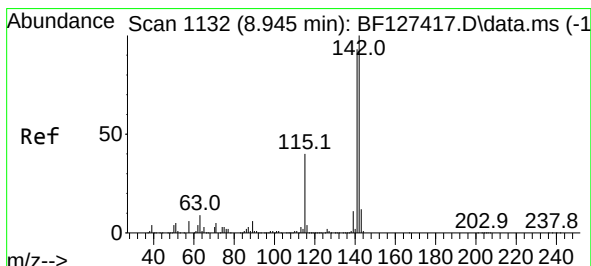
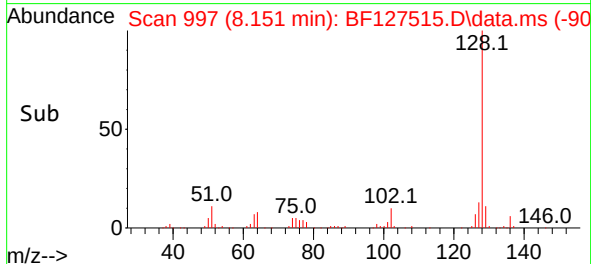
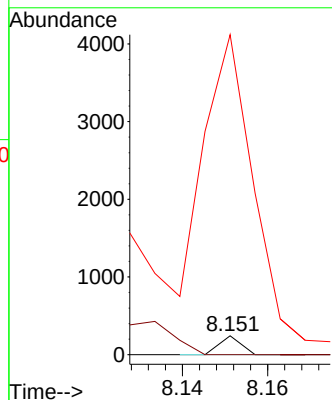
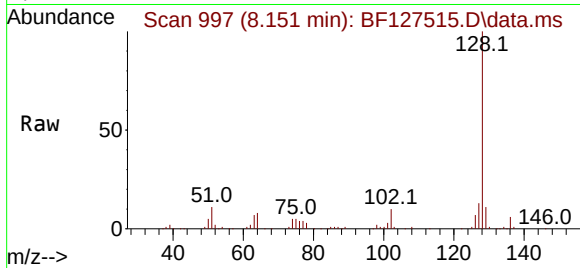




#32
Benzoic acid
Concen: 6.069 ng
RT: 8.151 min Scan# 91
Delta R.T. 0.218 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

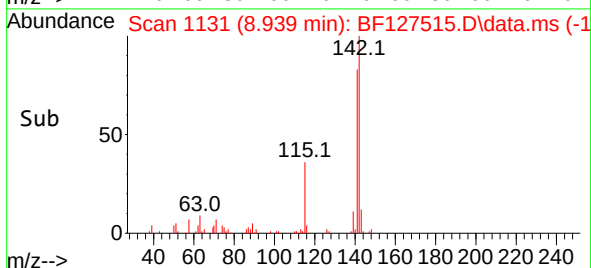
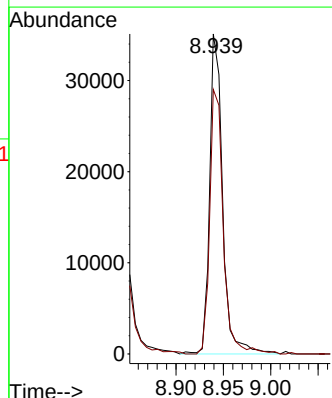
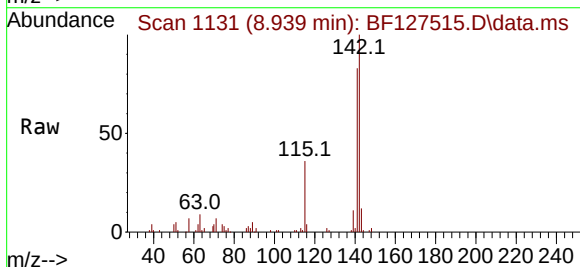
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

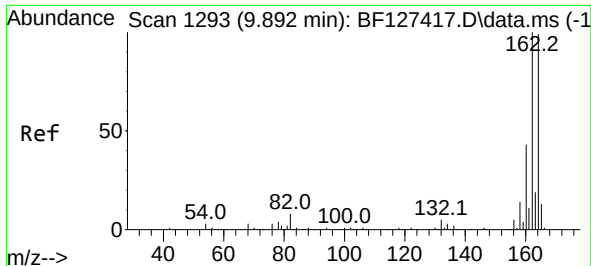
Tgt Ion:122 Resp: 86
Ion Ratio Lower Upper
122 100
105 0.0 117.1 157.1#
77 1695.1 93.0 133.0#



#38
1-Methylnaphthalene
Concen: 2.854 ng
RT: 8.939 min Scan# 1131
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion:142 Resp: 33251
Ion Ratio Lower Upper
142 100
141 82.7 74.2 111.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BF127515.D

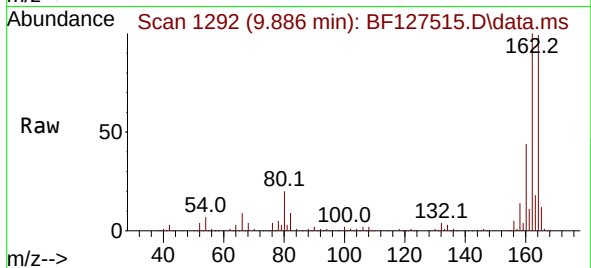
Acq: 24 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-13-12-13DL



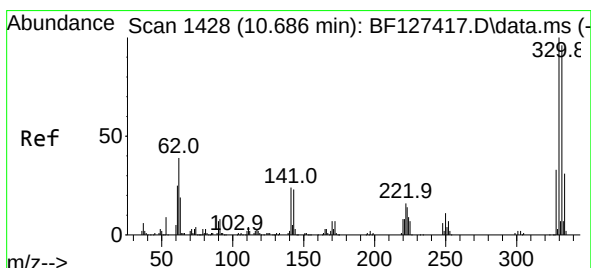
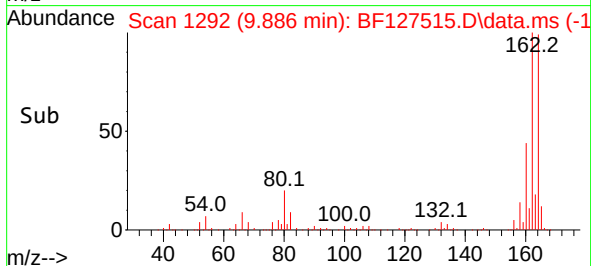
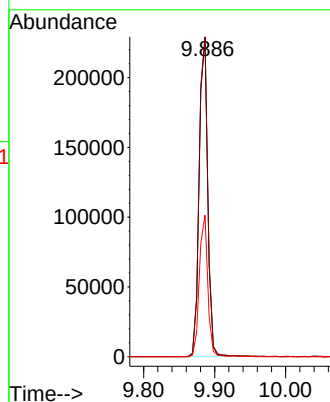
Tgt Ion:164 Resp: 192497

Ion Ratio Lower Upper

164 100

162 100.6 81.2 121.8

160 44.5 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 3.929 ng

RT: 10.686 min Scan# 1428

Delta R.T. 0.000 min

Lab File: BF127515.D

Acq: 24 Mar 2022 21:14

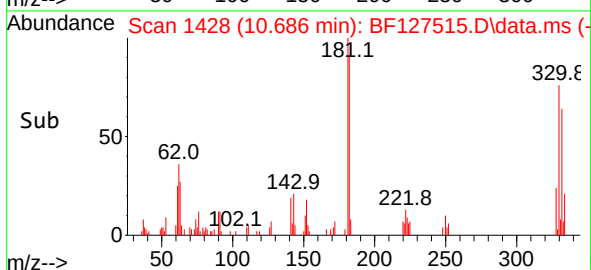
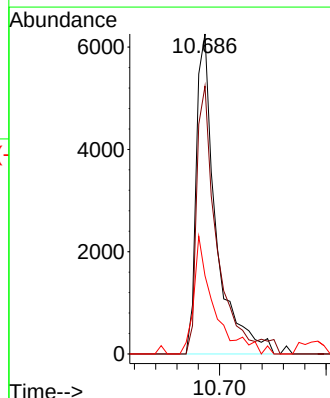
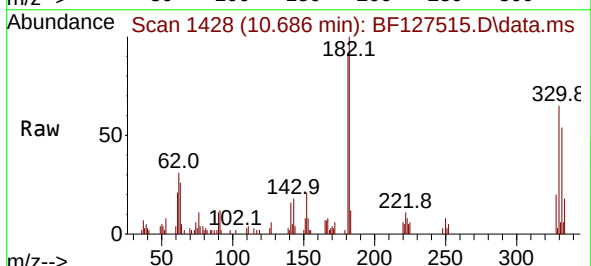
Tgt Ion:330 Resp: 8057

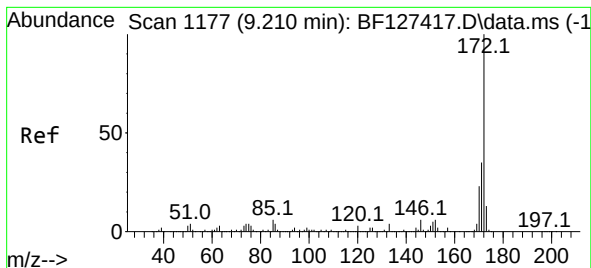
Ion Ratio Lower Upper

330 100

332 83.6 79.1 118.7

141 37.6 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 4.430 ng

RT: 9.204 min Scan# 1176

Delta R.T. -0.006 min

Lab File: BF127515.D

Acq: 24 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-13-12-13DL

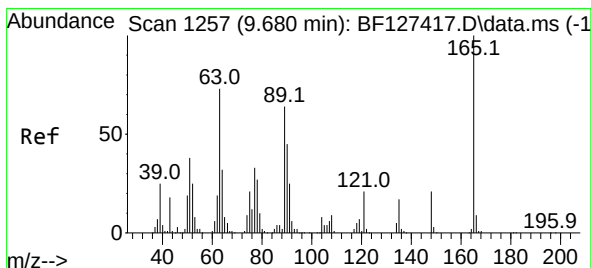
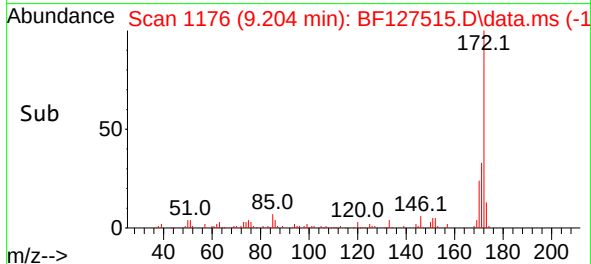
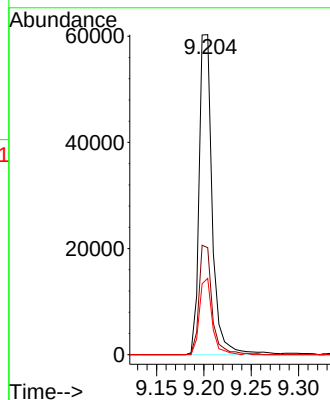
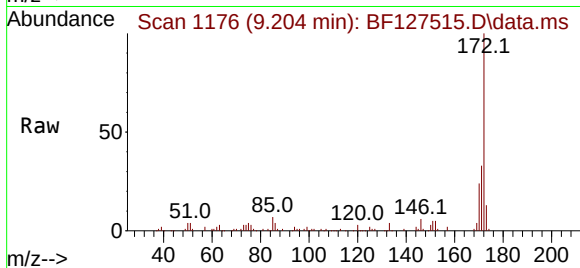
Tgt Ion:172 Resp: 58404

Ion Ratio Lower Upper

172 100

171 33.4 28.4 42.6

170 23.8 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.178 ng

RT: 9.886 min Scan# 1292

Delta R.T. 0.206 min

Lab File: BF127515.D

Acq: 24 Mar 2022 21:14

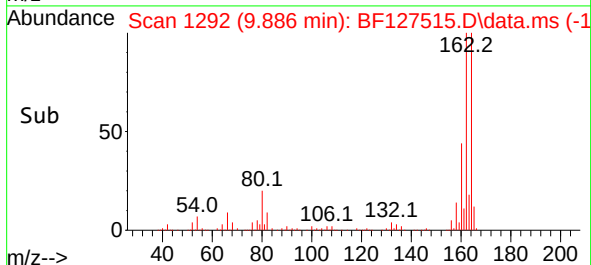
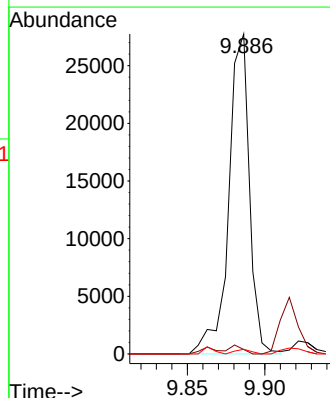
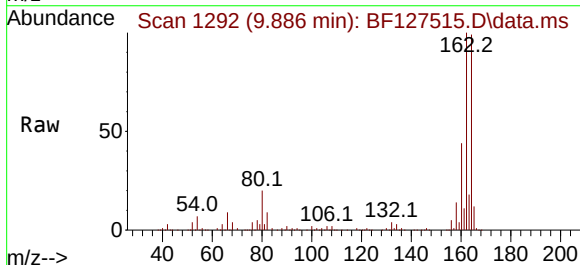
Tgt Ion:165 Resp: 25799

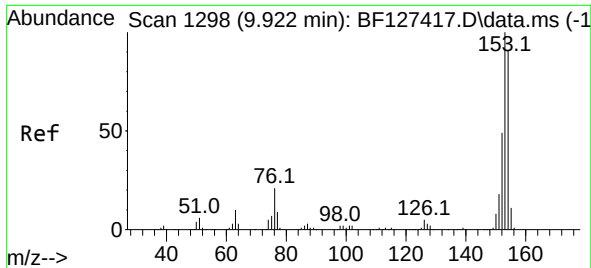
Ion Ratio Lower Upper

165 100

63 1.4 58.3 87.5#

89 1.4 51.5 77.3#

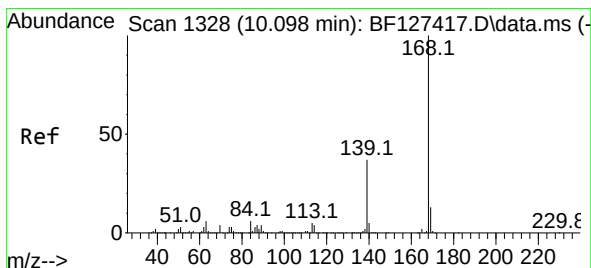
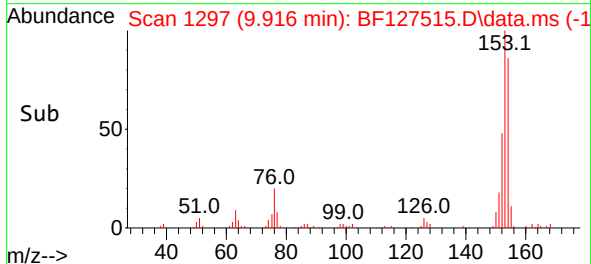
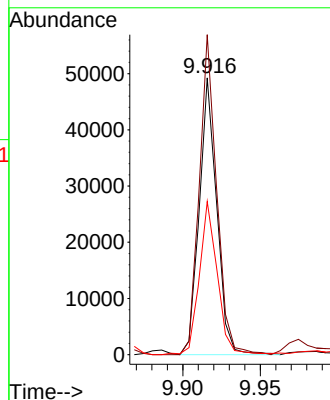
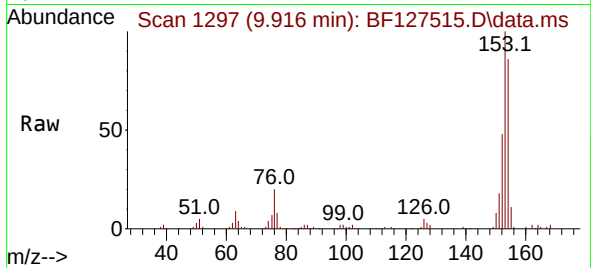




#52
Acenaphthene
Concen: 3.837 ng
RT: 9.916 min Scan# 1297
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

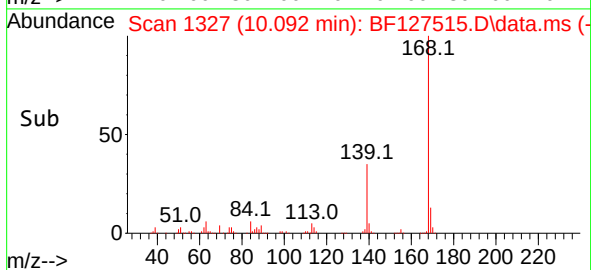
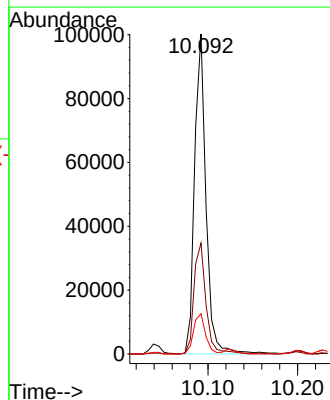
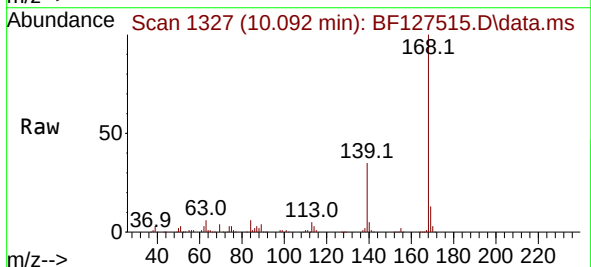
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

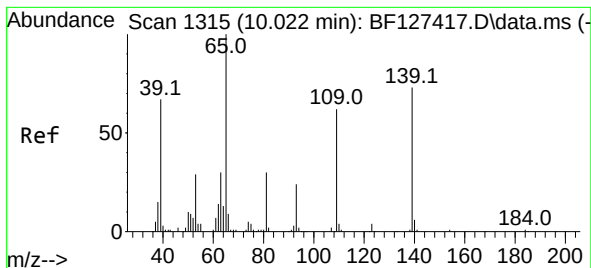
Tgt Ion:154 Resp: 38743
Ion Ratio Lower Upper
154 100
153 115.6 87.6 131.4
152 55.3 42.9 64.3



#55
Dibenzofuran
Concen: 2.996 ng
RT: 10.092 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion:168 Resp: 88717
Ion Ratio Lower Upper
168 100
139 34.6 30.3 45.5
169 12.6 10.8 16.2

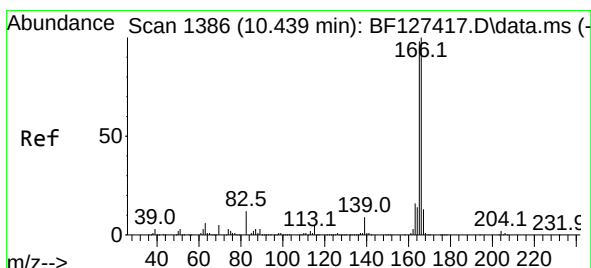
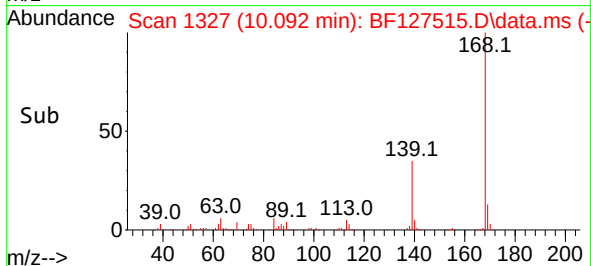
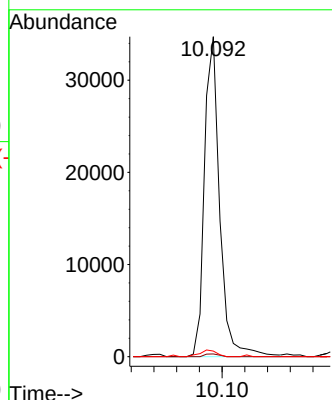
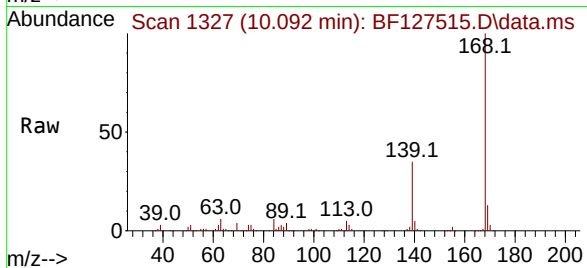




#56
4-Nitrophenol
Concen: 20.616 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.070 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

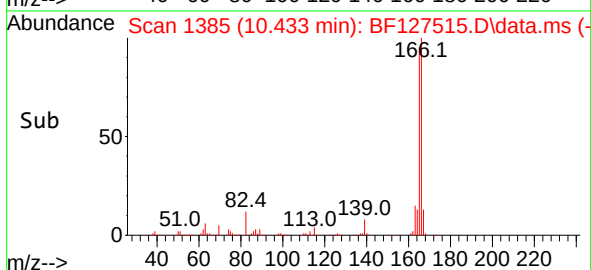
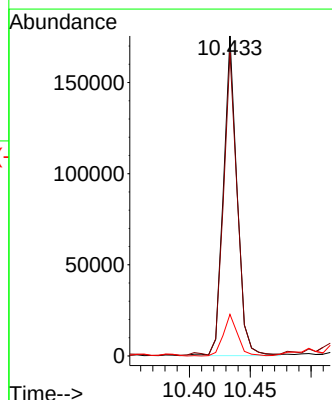
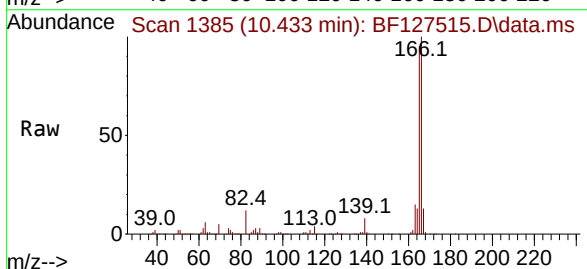
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

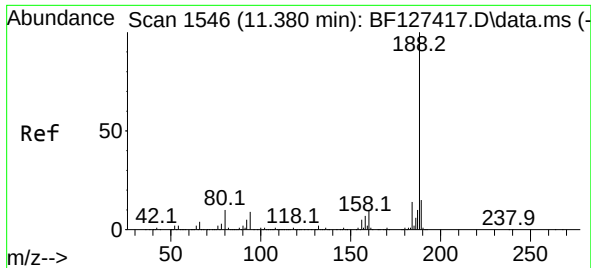
Tgt Ion:139 Resp: 32356
Ion Ratio Lower Upper
139 100
109 0.9 64.3 104.3#
65 1.7 117.5 157.5#



#58
Fluorene
Concen: 9.777 ng
RT: 10.433 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion:166 Resp: 136637
Ion Ratio Lower Upper
166 100
165 94.9 78.1 117.1
167 13.0 10.5 15.7

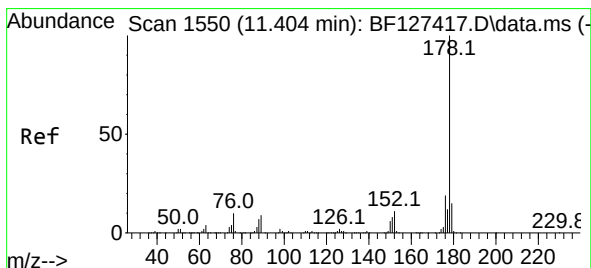
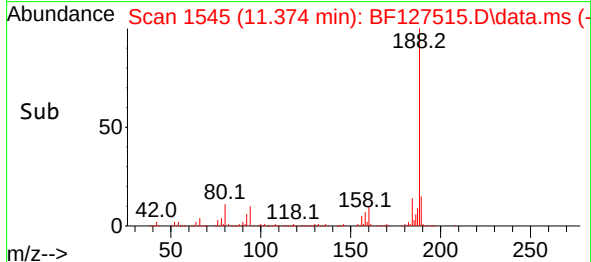
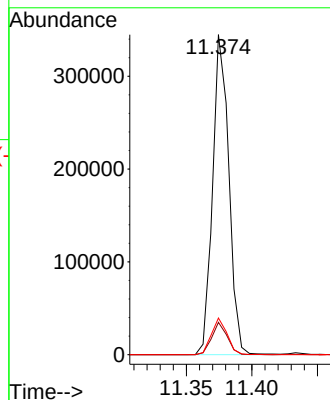
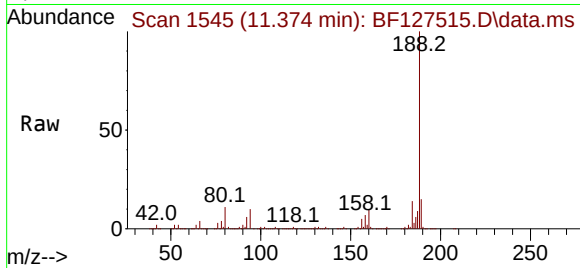




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

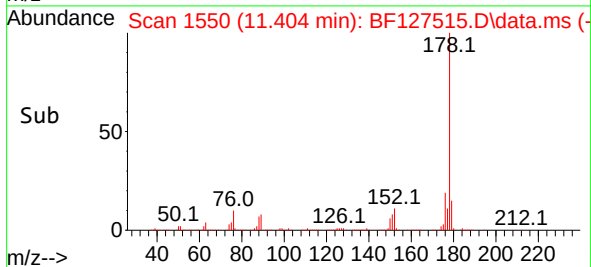
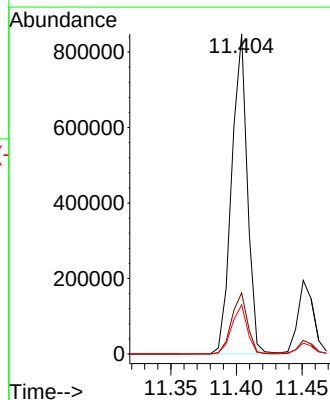
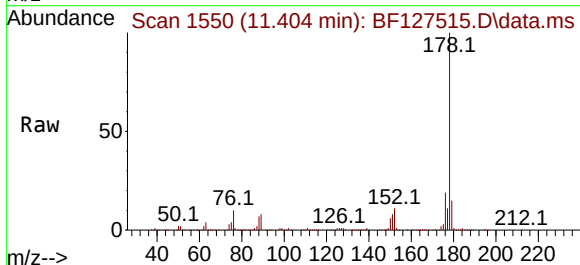
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

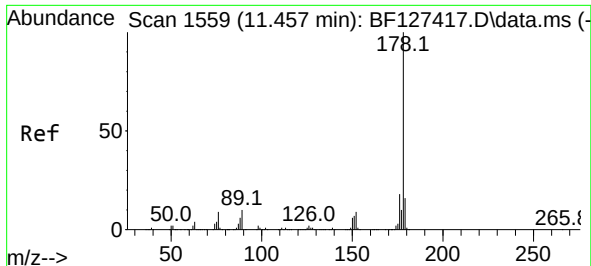
Tgt Ion:188 Resp: 296801
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.0
80 11.5 8.0 12.0



#71
Phenanthrene
Concen: 45.632 ng
RT: 11.404 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion:178 Resp: 706083
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.3 12.4 18.6

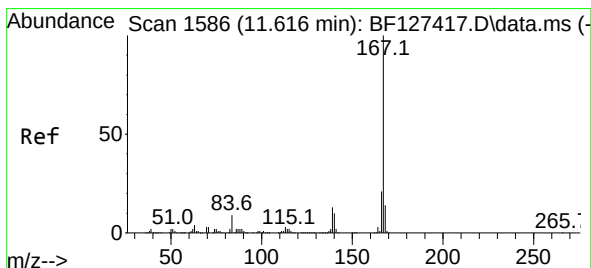
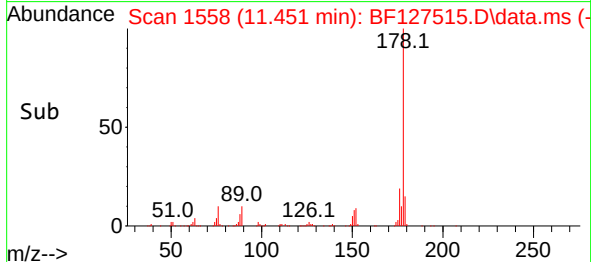
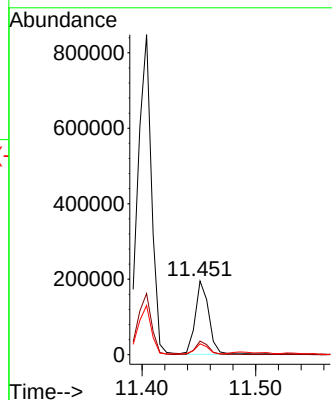
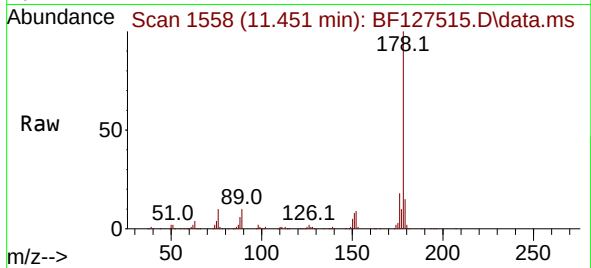




#72
 Anthracene
 Concen: 10.693 ng
 RT: 11.451 min Scan# 1558
 Delta R.T. -0.006 min
 Lab File: BF127515.D
 Acq: 24 Mar 2022 21:14

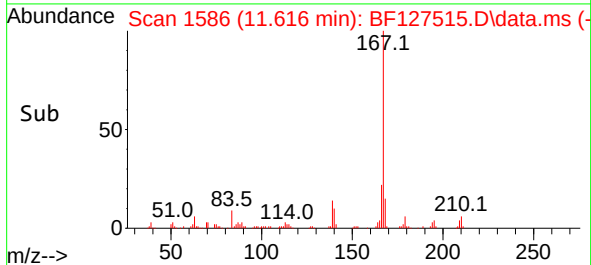
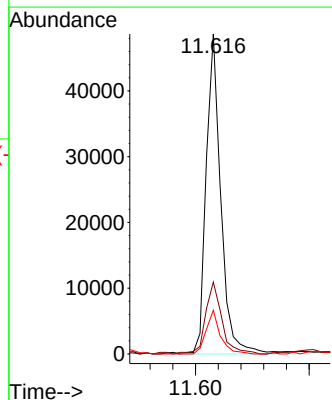
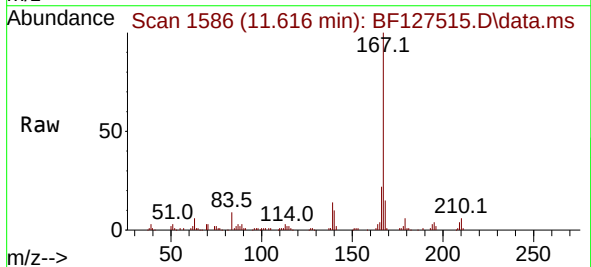
Instrument :
 BNA_F
 ClientSampleId :
 C-13-12-13DL

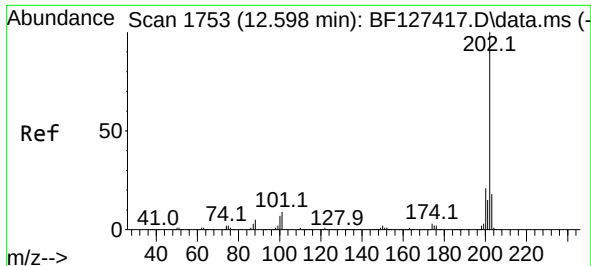
Tgt Ion:178 Resp: 164197
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.6 22.0
 179 14.9 12.4 18.6



#73
 Carbazole
 Concen: 2.964 ng
 RT: 11.616 min Scan# 1586
 Delta R.T. 0.000 min
 Lab File: BF127515.D
 Acq: 24 Mar 2022 21:14

Tgt Ion:167 Resp: 43527
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.0 25.4
 139 13.6 10.5 15.7

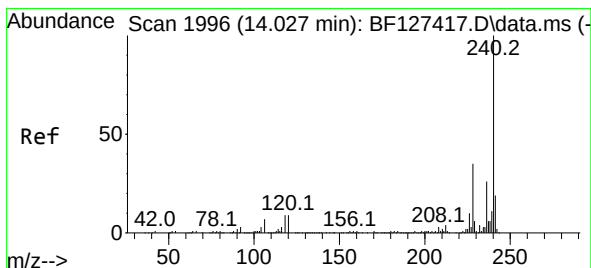
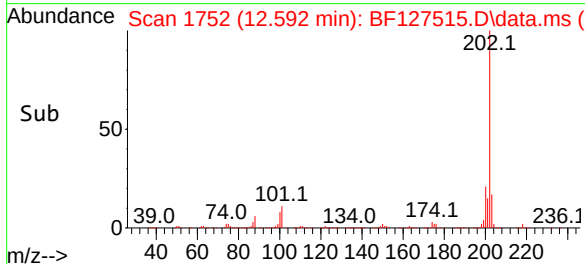
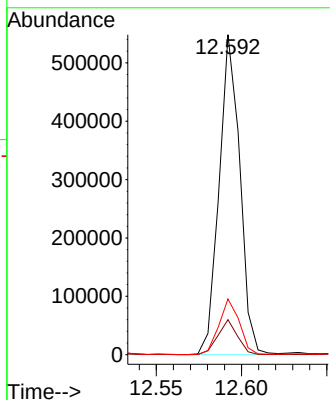
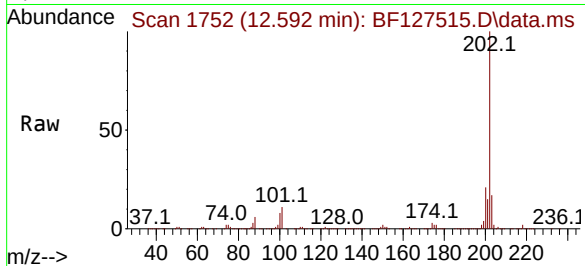




#75
Fluoranthene
Concen: 27.232 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

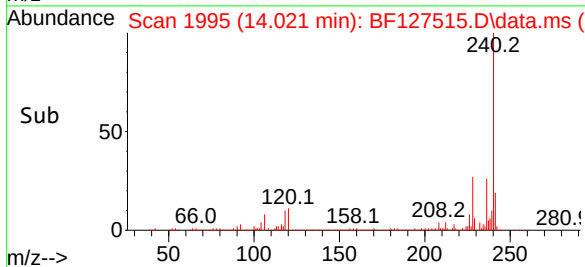
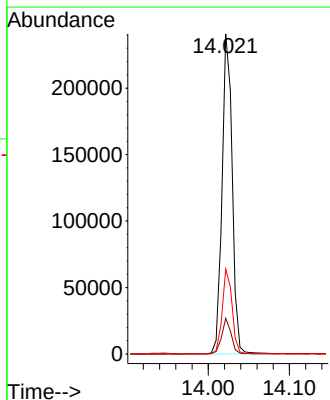
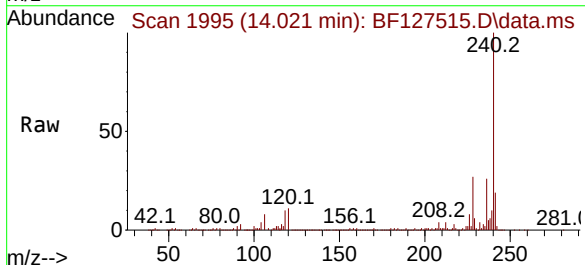
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

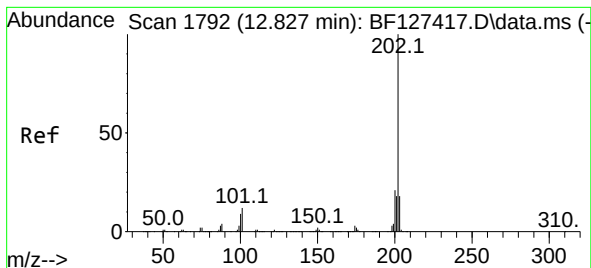
Tgt Ion:202 Resp: 463472
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.0
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion:240 Resp: 211010
Ion Ratio Lower Upper
240 100
120 11.1 7.1 10.7#
236 26.5 20.7 31.1





#78

Pyrene

Concen: 20.321 ng

RT: 12.821 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF127515.D

Acq: 24 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-13-12-13DL

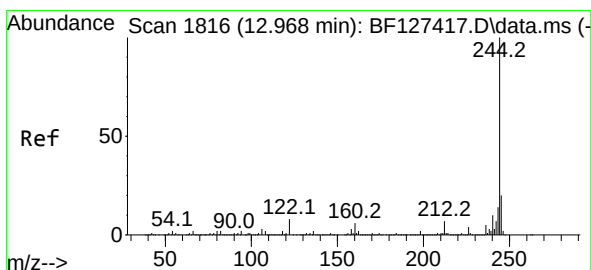
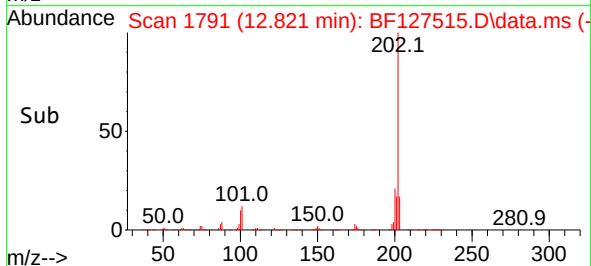
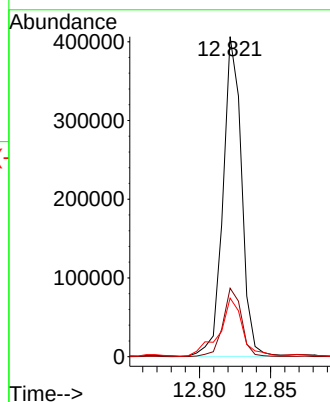
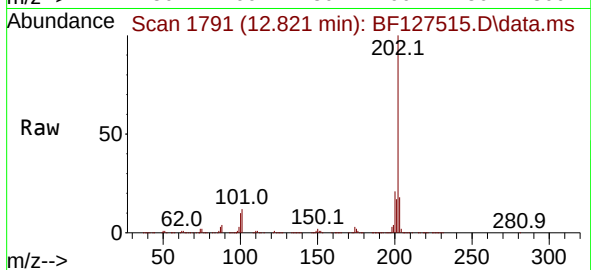
Tgt Ion:202 Resp: 367999

Ion Ratio Lower Upper

202 100

200 21.4 17.1 25.7

203 18.3 14.3 21.5



#79

Terphenyl-d14

Concen: 3.498 ng

RT: 12.957 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF127515.D

Acq: 24 Mar 2022 21:14

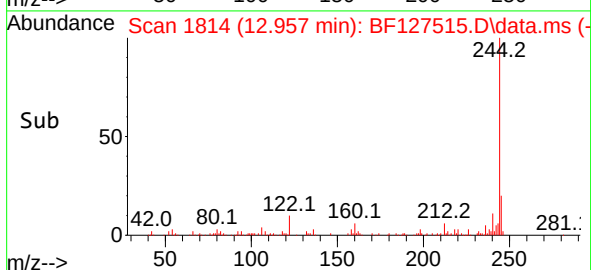
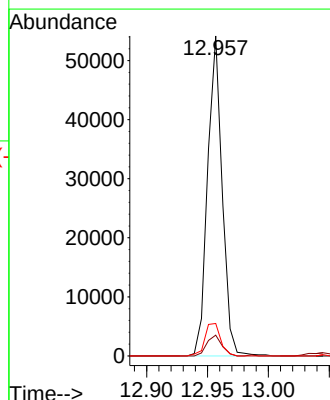
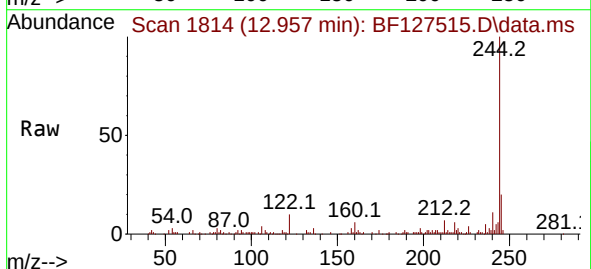
Tgt Ion:244 Resp: 45095

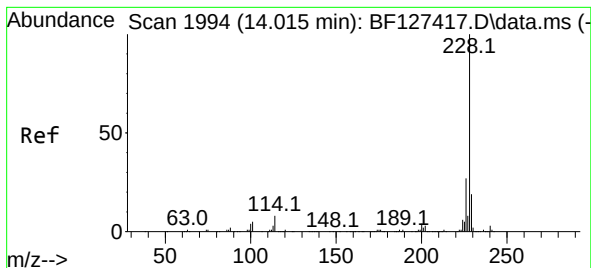
Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

122 10.2 6.2 9.2#





#81

Benzo(a)anthracene

Concen: 12.224 ng

RT: 14.015 min Scan# 1994

Delta R.T. 0.000 min

Lab File: BF127515.D

Acq: 24 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-13-12-13DL

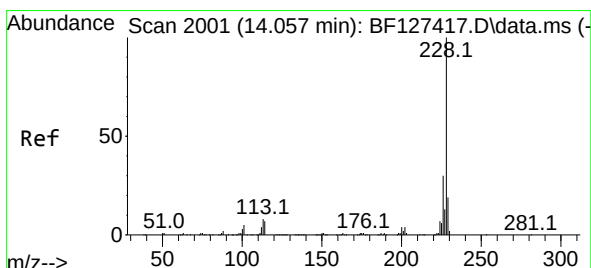
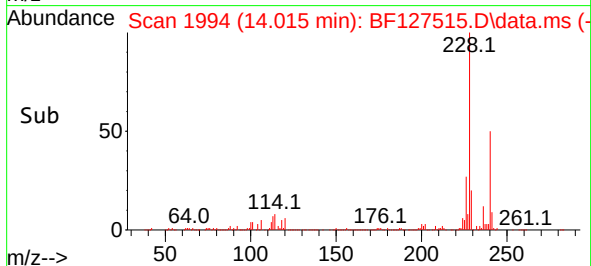
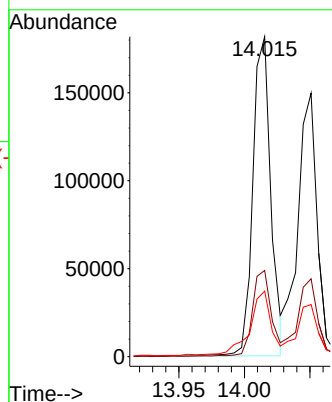
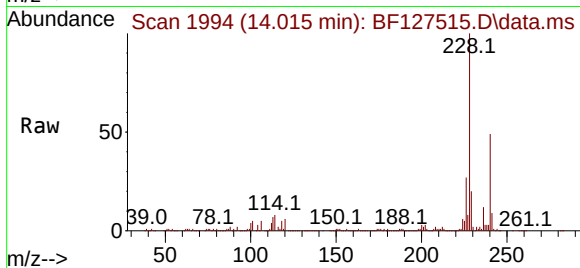
Tgt Ion:228 Resp: 172496

Ion Ratio Lower Upper

228 100

226 26.9 21.6 32.4

229 20.5 15.4 23.2



#83

Chrysene

Concen: 11.514 ng

RT: 14.051 min Scan# 2000

Delta R.T. -0.006 min

Lab File: BF127515.D

Acq: 24 Mar 2022 21:14

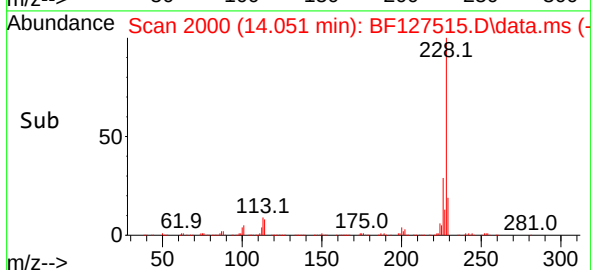
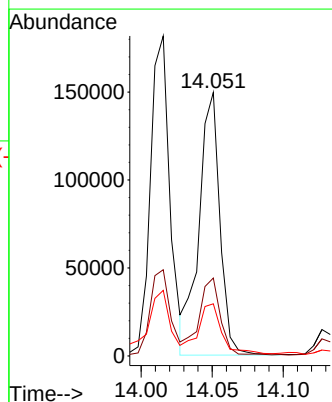
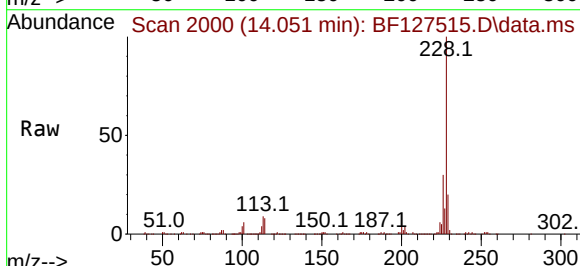
Tgt Ion:228 Resp: 153854

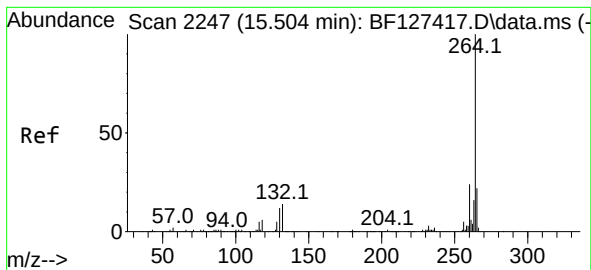
Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.4

229 19.8 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF127515.D

Acq: 24 Mar 2022 21:14

Instrument :

BNA_F

ClientSampleId :

C-13-12-13DL

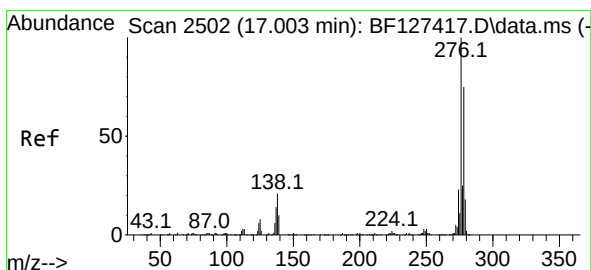
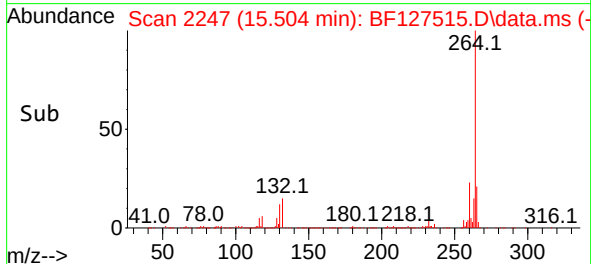
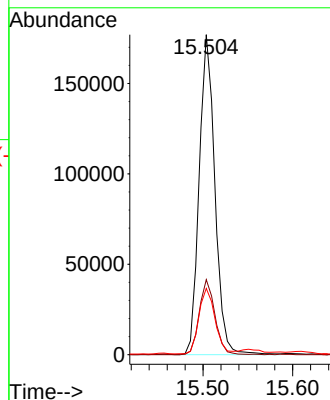
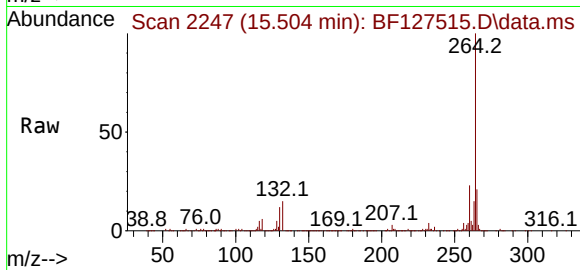
Tgt Ion:264 Resp: 215395

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 20.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.738 ng

RT: 17.009 min Scan# 2503

Delta R.T. 0.006 min

Lab File: BF127515.D

Acq: 24 Mar 2022 21:14

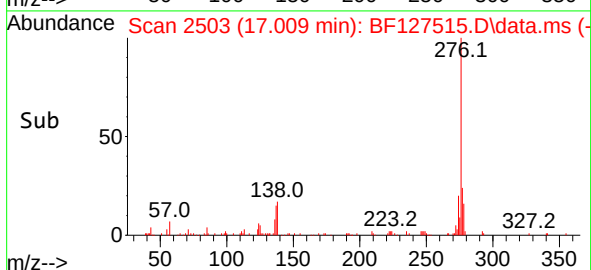
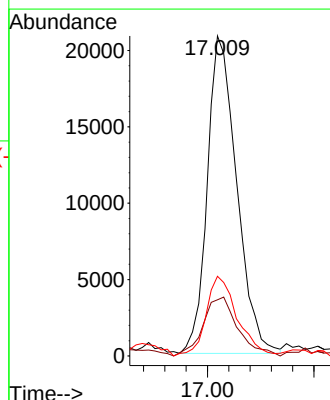
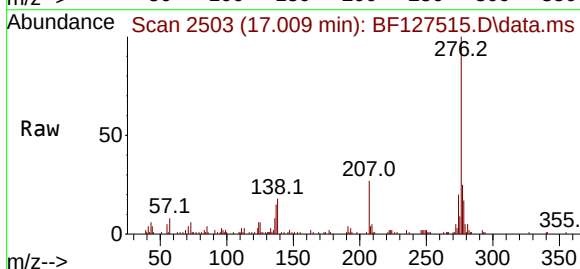
Tgt Ion:276 Resp: 39905

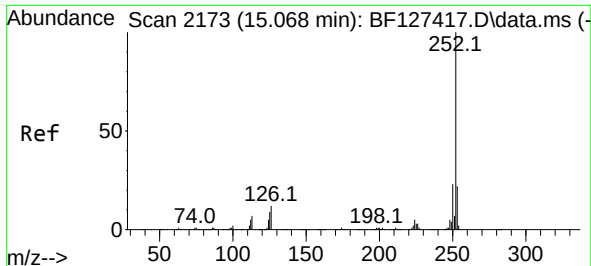
Ion Ratio Lower Upper

276 100

138 21.8 17.1 25.7

277 26.4 19.9 29.9

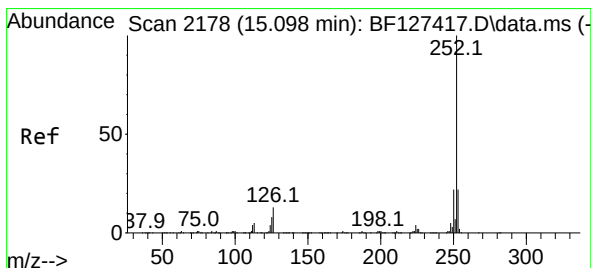
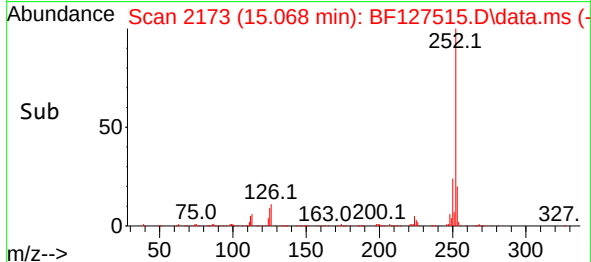
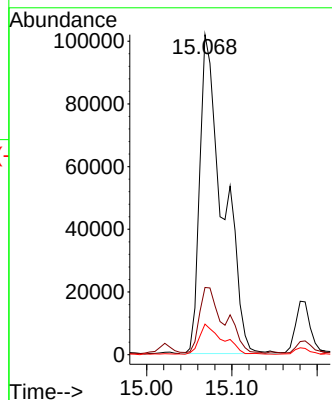
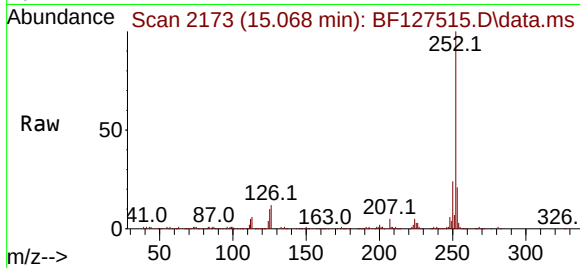




#88
Benzo(b)fluoranthene
Concen: 14.157 ng
RT: 15.068 min Scan# 2173
Delta R.T. 0.000 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

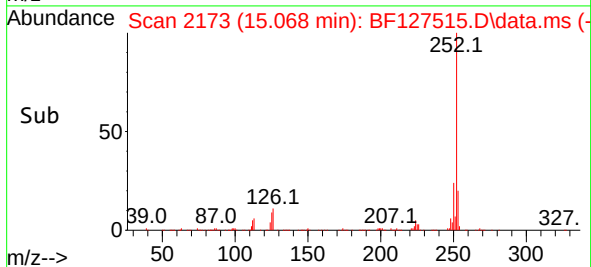
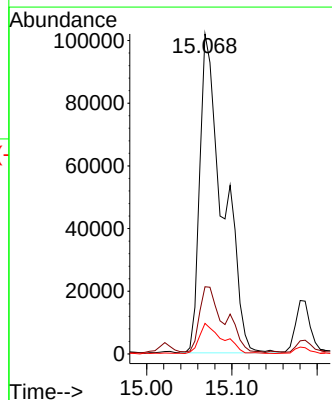
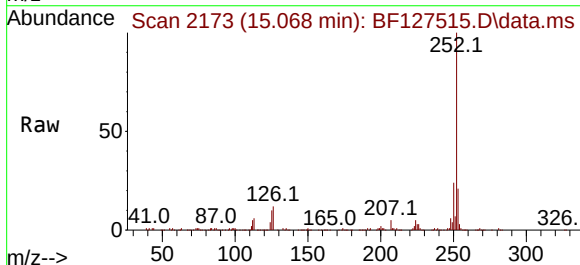
Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

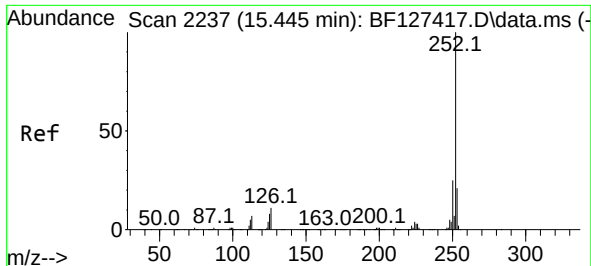
Tgt Ion:252 Resp: 192273
Ion Ratio Lower Upper
252 100
253 21.0 17.9 26.9
125 9.6 7.0 10.4



#89
Benzo(k)fluoranthene
Concen: 13.657 ng
RT: 15.068 min Scan# 2173
Delta R.T. -0.030 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion:252 Resp: 192273
Ion Ratio Lower Upper
252 100
253 21.0 17.3 25.9
125 9.6 6.9 10.3

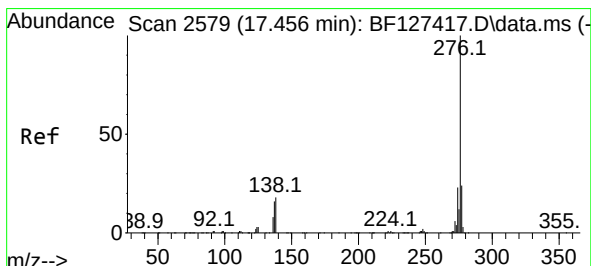
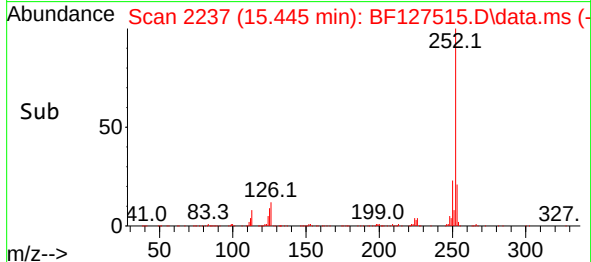
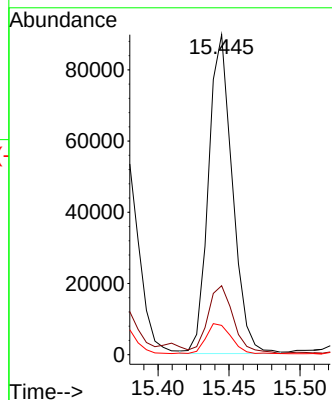
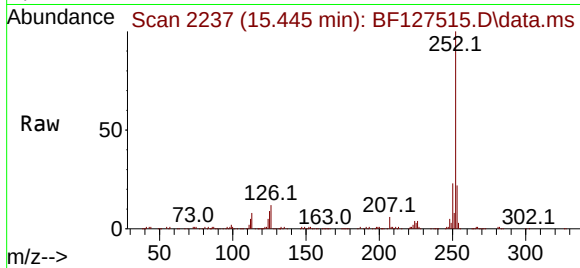




#90
Benzo(a)pyrene
Concen: 9.446 ng
RT: 15.445 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Instrument :
BNA_F
ClientSampleId :
C-13-12-13DL

Tgt Ion:252 Resp: 105280
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 9.1 6.7 10.1



#92
Benzo(g,h,i)perylene
Concen: 2.654 ng
RT: 17.474 min Scan# 2582
Delta R.T. 0.018 min
Lab File: BF127515.D
Acq: 24 Mar 2022 21:14

Tgt Ion:276 Resp: 33008
Ion Ratio Lower Upper
276 100
277 22.0 19.0 28.4
138 17.5 14.6 22.0

