

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051622\
 Data File : BF128274.D
 Acq On : 16 May 2022 18:13
 Operator : CG\JU
 Sample : N2823-01DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-1DL

Quant Time: May 17 06:22:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 14 00:51:21 2022
 Response via : Initial Calibration

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

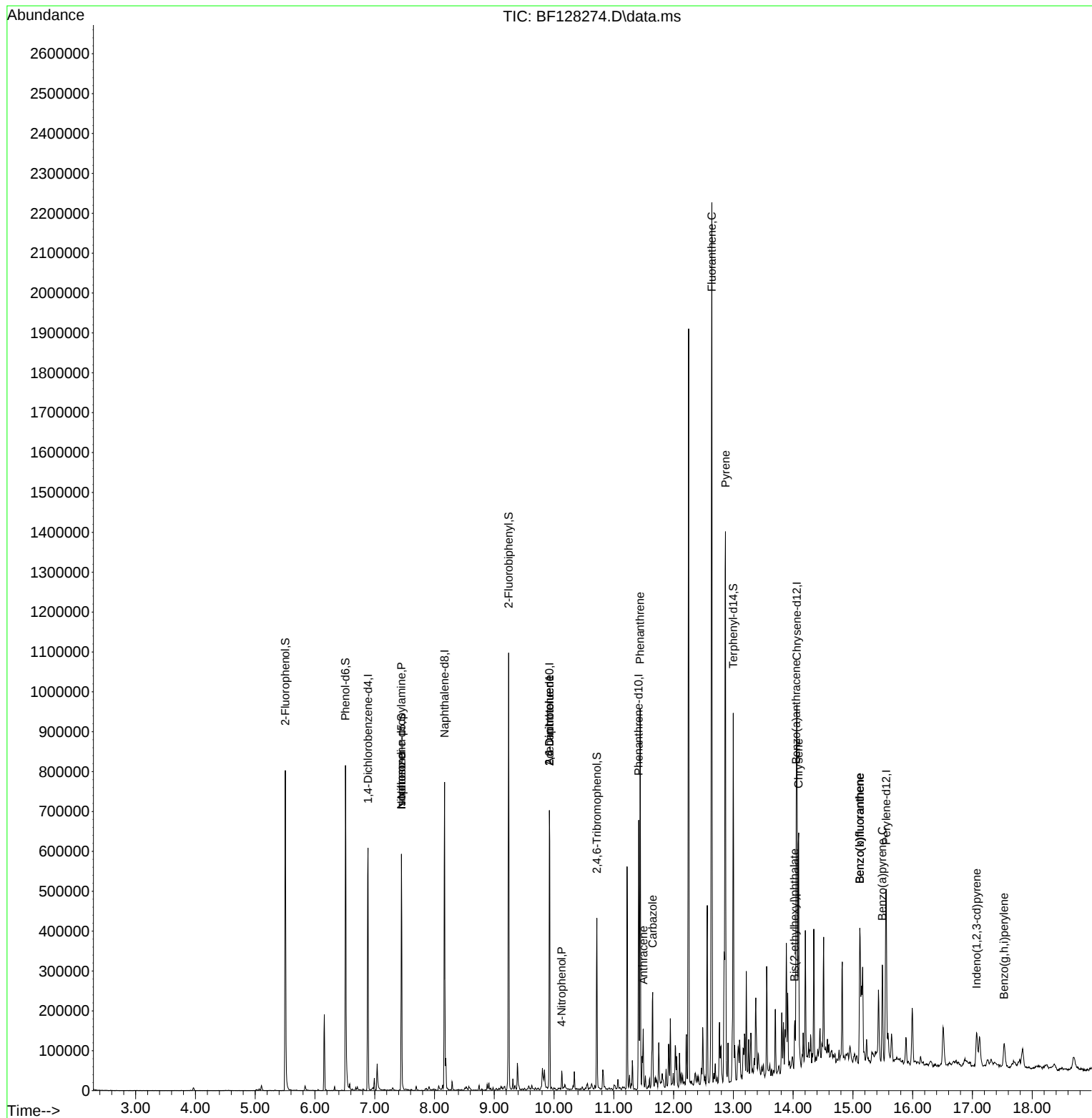
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	82566	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	300469	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	140381	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	225676	20.000	ng	0.00
76) Chrysene-d12	14.063	240	206202	20.000	ng	0.00
86) Perylene-d12	15.557	264	147728	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	197020	38.039	ng	0.00
7) Phenol-d6	6.510	99	256518	37.445	ng	-0.02
23) Nitrobenzene-d5	7.445	82	175044	26.214	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	43608	27.086	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	281123	31.334	ng	-0.01
79) Terphenyl-d14	12.998	244	278914	25.381	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.581	77	509	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.445	70	24017	5.693	ng	# 80
25) Isophorone	7.445	82	175064	16.722	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	18345	9.232	ng	# 22
56) 4-Nitrophenol	10.128	139	6285	4.175	ng	# 2
57) 2,4-Dinitrotoluene	9.922	165	18345	6.904	ng	# 27
71) Phenanthrene	11.439	178	304570	27.104	ng	100
72) Anthracene	11.492	178	53812	4.796	ng	100
73) Carbazole	11.651	167	89586	8.397	ng	98
75) Fluoranthene	12.639	202	835088	68.546	ng	98
78) Pyrene	12.869	202	558578	37.359	ng	99
81) Benzo(a)anthracene	14.051	228	248637	18.878	ng	98
83) Chrysene	14.092	228	226259	18.004	ng	98
84) Bis(2-ethylhexyl)phtha...	14.022	149	27385	3.261	ng	# 95
87) Indeno(1,2,3-cd)pyrene	17.068	276	55045	6.160	ng	96
88) Benzo(b)fluoranthene	15.116	252	250019	27.302	ng	99
89) Benzo(k)fluoranthene	15.116	252	250019	27.658	ng	98
90) Benzo(a)pyrene	15.492	252	110306	14.920	ng	97
92) Benzo(g,h,i)perylene	17.527	276	49984	6.823	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051622\
Data File : BF128274.D
Acq On : 16 May 2022 18:13
Operator : CG\JU
Sample : N2823-01DL 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SC-1DL

Quant Time: May 17 06:22:32 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 14 00:51:21 2022
Response via : Initial Calibration

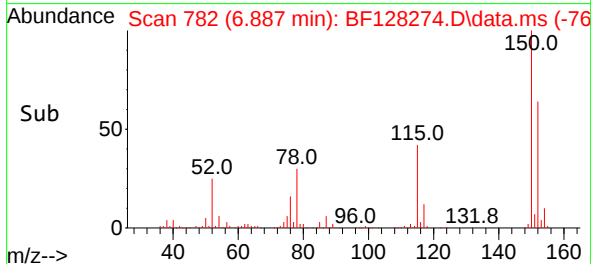
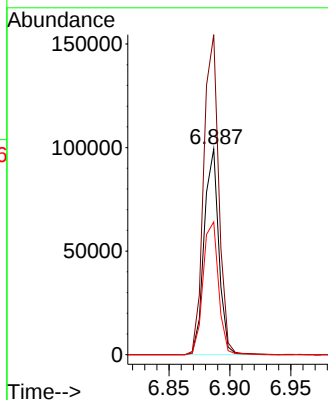
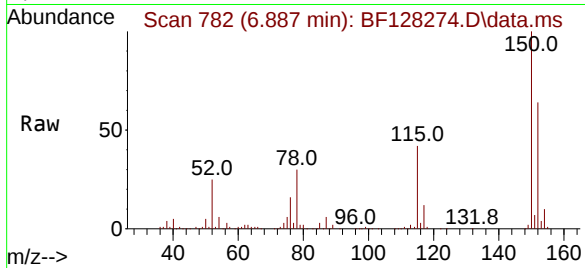




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

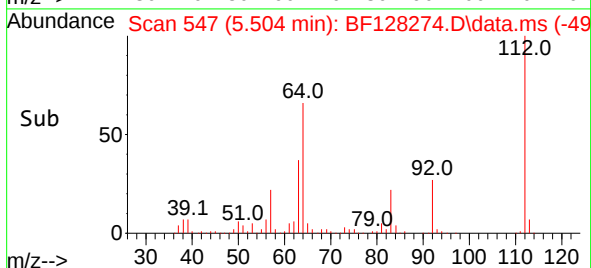
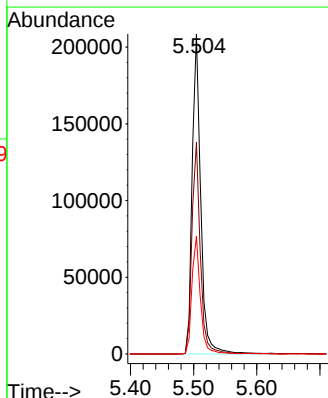
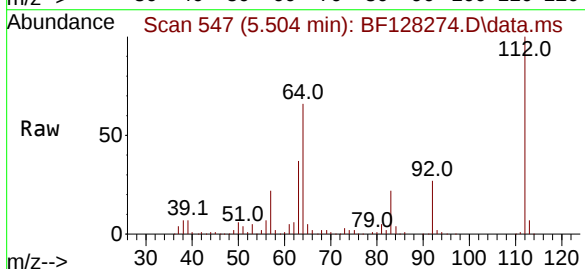
Instrument :
BNA_F
ClientSampleId :
SC-1DL

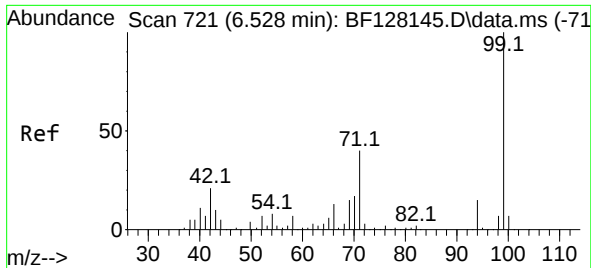
Tgt Ion:152 Resp: 82566
Ion Ratio Lower Upper
152 100
150 155.5 125.3 187.9
115 64.5 48.8 73.2



#5
2-Fluorophenol
Concen: 38.039 ng
RT: 5.504 min Scan# 547
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion:112 Resp: 197020
Ion Ratio Lower Upper
112 100
64 66.1 49.5 74.3
63 36.8 26.3 39.5

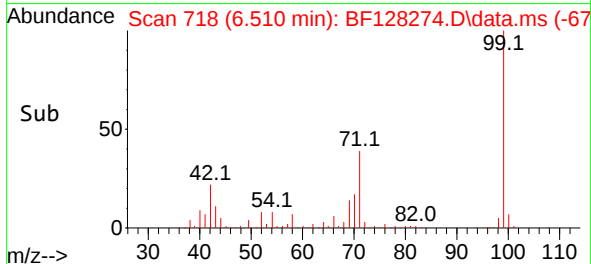
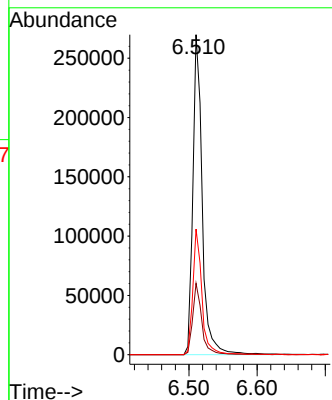
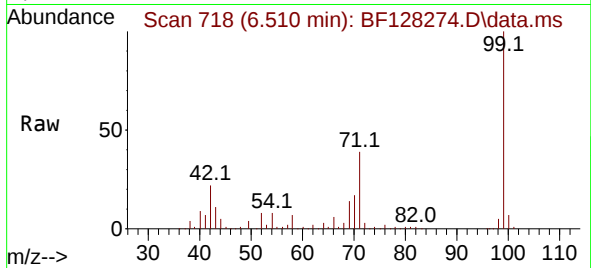




#7
Phenol-d6
Concen: 37.445 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

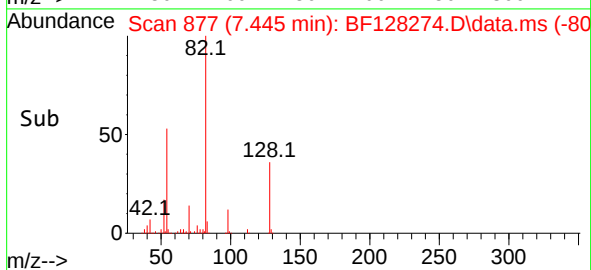
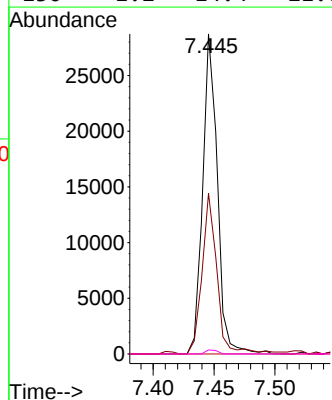
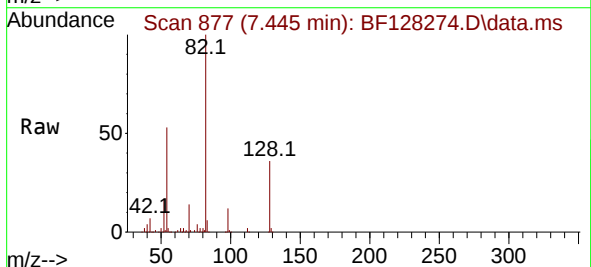
Instrument :
BNA_F
ClientSampleId :
SC-1DL

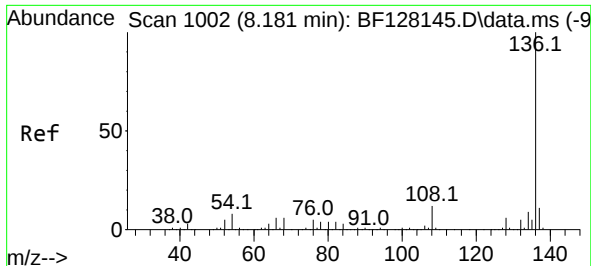
Tgt Ion: 99 Resp: 256518
Ion Ratio Lower Upper
99 100
42 22.3 16.6 24.8
71 39.3 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 5.693 ng
RT: 7.445 min Scan# 877
Delta R.T. 0.141 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion: 70 Resp: 24017
Ion Ratio Lower Upper
70 100
42 50.2 48.7 73.1
101 0.0 7.2 10.8#
130 1.2 14.4 21.6#

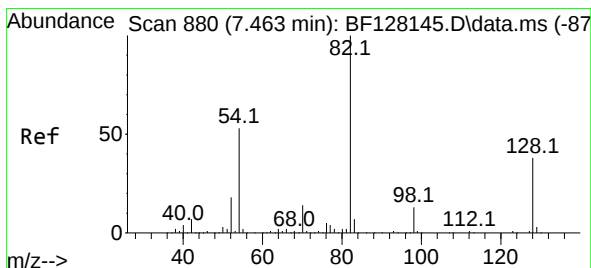
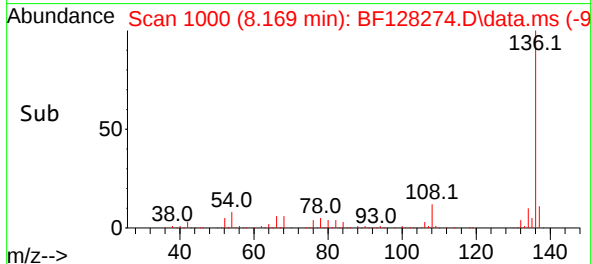
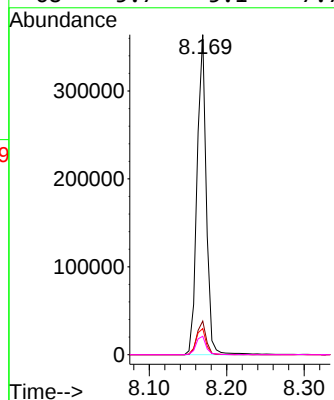
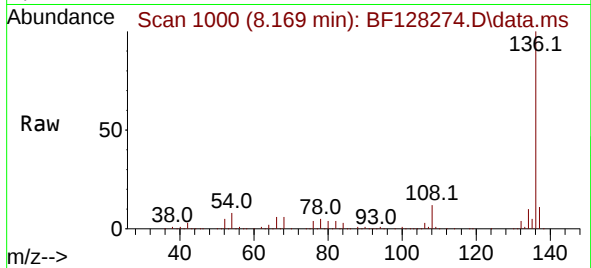




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

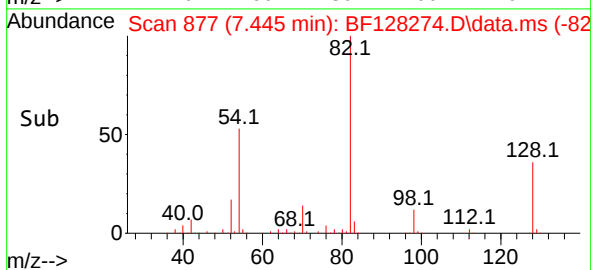
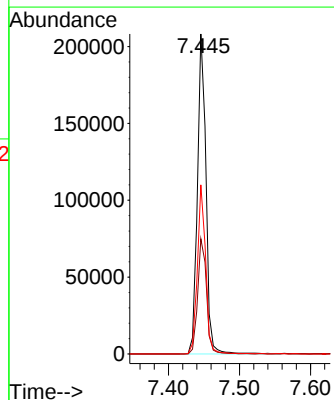
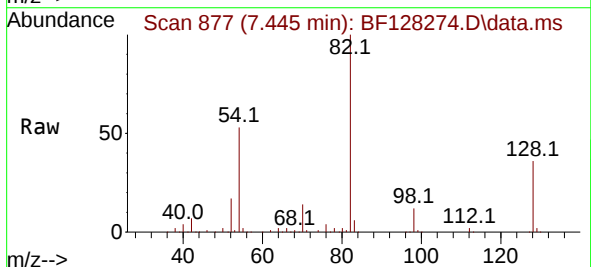
Instrument :
BNA_F
ClientSampleId :
SC-1DL

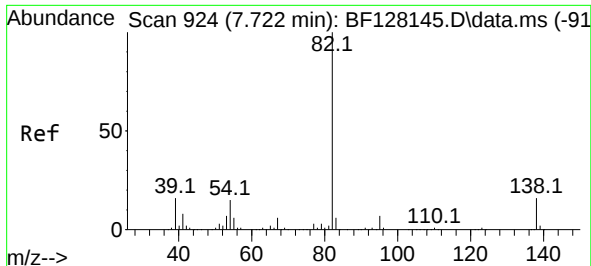
Tgt Ion:136	Resp: 300469
Ion Ratio	Lower Upper
136 100	
137 10.5	8.6 13.0
54 8.1	6.8 10.2
68 5.7	5.1 7.7



#23
Nitrobenzene-d5
Concen: 26.214 ng
RT: 7.445 min Scan# 877
Delta R.T. -0.018 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion: 82	Resp: 175044
Ion Ratio	Lower Upper
82 100	
128 36.0	30.0 45.0
54 52.8	41.3 61.9

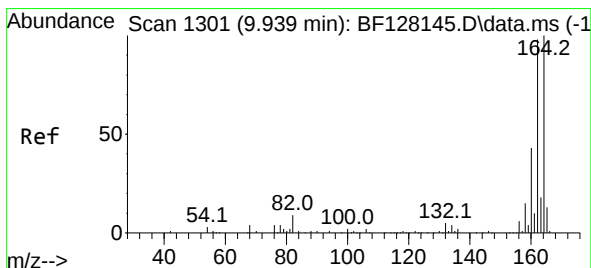
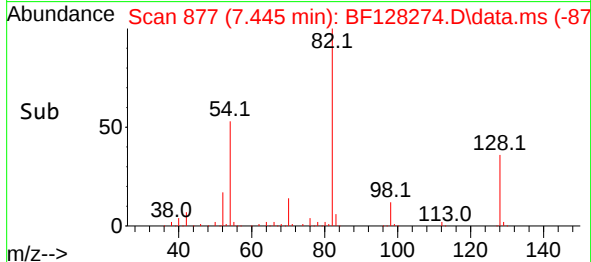
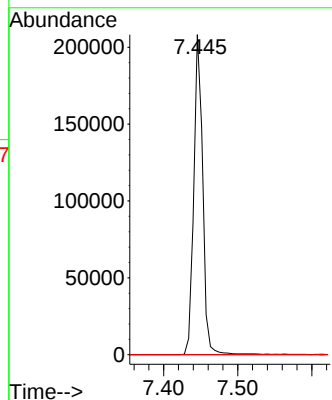
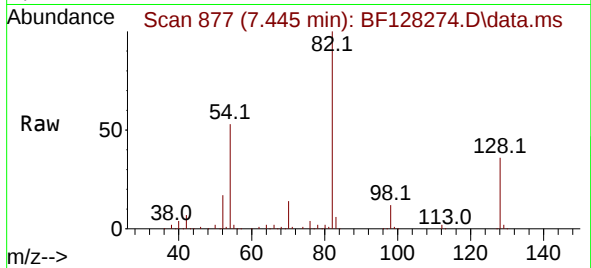




#25
Isophorone
Concen: 16.722 ng
RT: 7.445 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

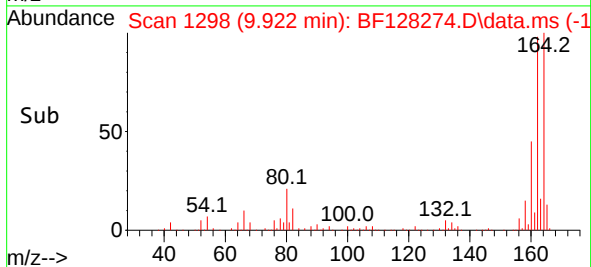
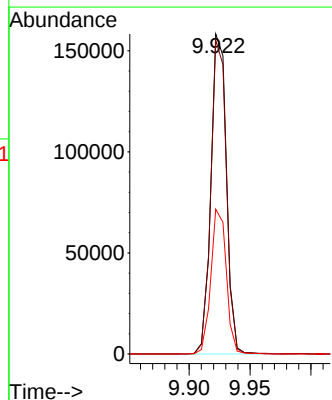
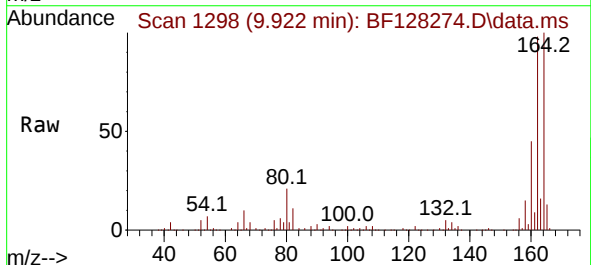
Instrument :
BNA_F
ClientSampleId :
SC-1DL

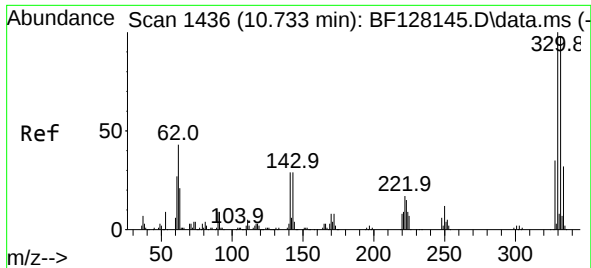
Tgt Ion: 82 Resp: 175064
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.012 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion:164 Resp: 140381
Ion Ratio Lower Upper
164 100
162 98.0 76.0 114.0
160 45.3 34.8 52.2

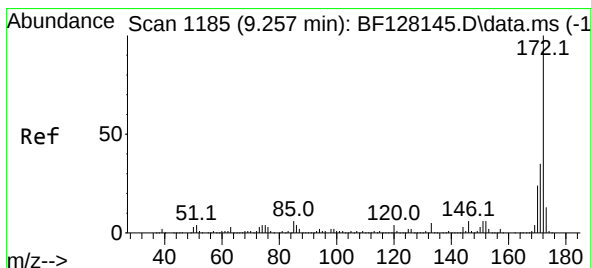
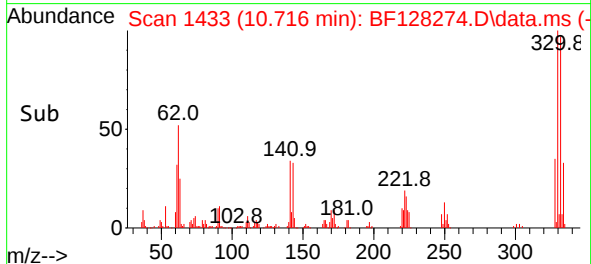
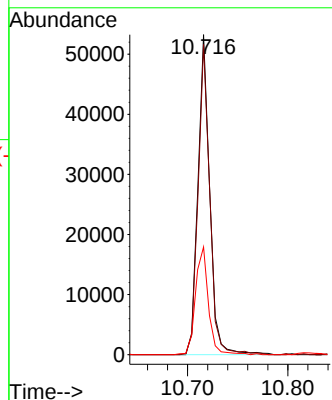
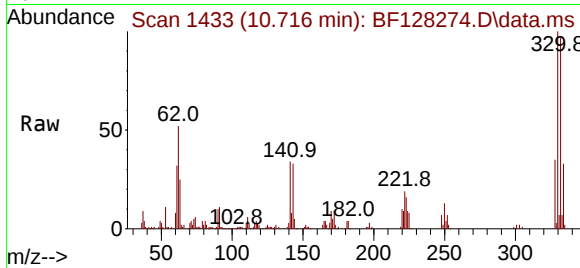




#42
2,4,6-Tribromophenol
Concen: 27.086 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

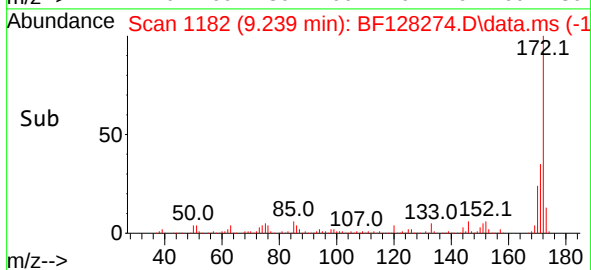
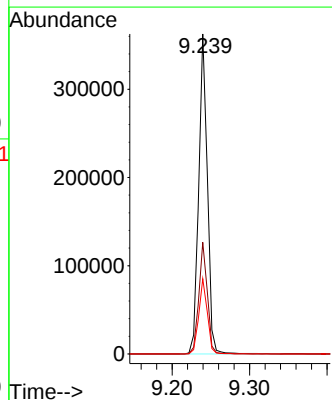
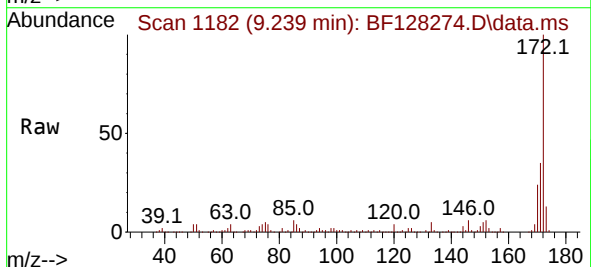
Instrument :
BNA_F
ClientSampleId :
SC-1DL

Tgt Ion:330 Resp: 43608
Ion Ratio Lower Upper
330 100
332 96.2 79.0 118.4
141 36.8 28.9 43.3



#45
2-Fluorobiphenyl
Concen: 31.334 ng
RT: 9.239 min Scan# 1182
Delta R.T. -0.012 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion:172 Resp: 281123
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.5 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 9.232 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF128274.D

Acq: 16 May 2022 18:13

Instrument :

BNA_F

ClientSampleId :

SC-1DL

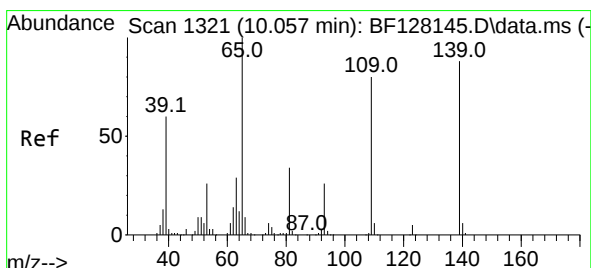
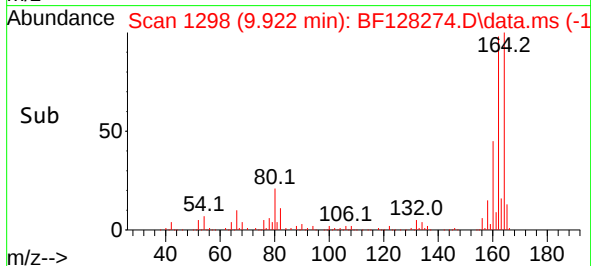
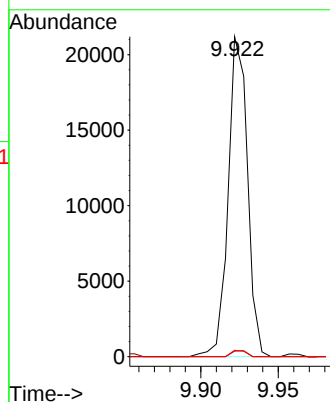
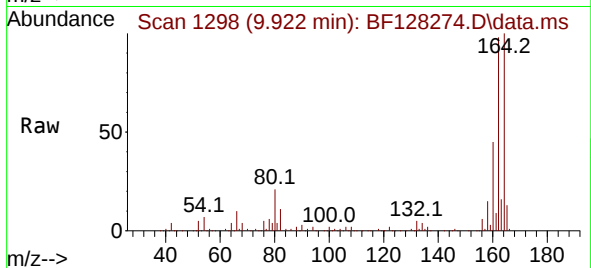
Tgt Ion:165 Resp: 18345

Ion Ratio Lower Upper

165 100

63 1.8 49.5 74.3#

89 2.0 49.0 73.4#



#56

4-Nitrophenol

Concen: 4.175 ng

RT: 10.128 min Scan# 1333

Delta R.T. 0.071 min

Lab File: BF128274.D

Acq: 16 May 2022 18:13

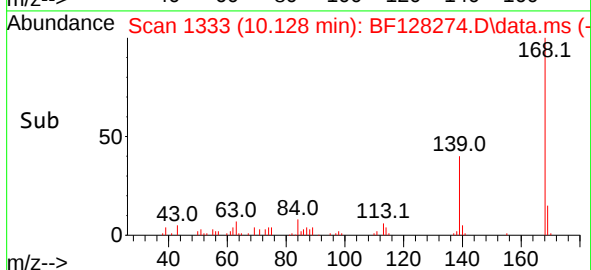
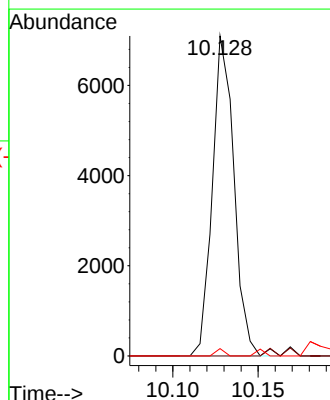
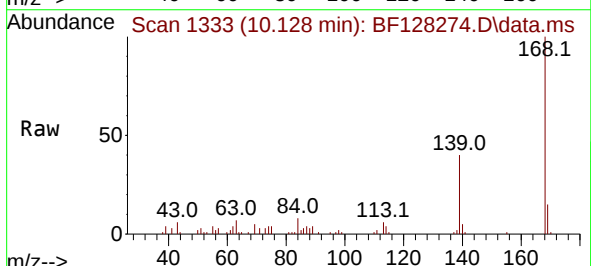
Tgt Ion:139 Resp: 6285

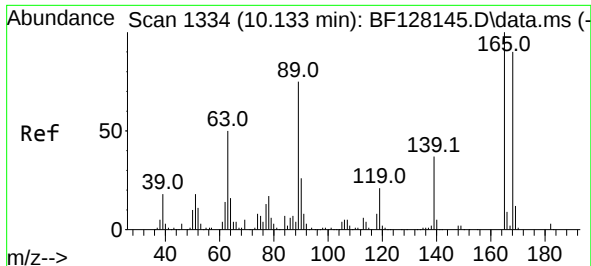
Ion Ratio Lower Upper

139 100

109 0.0 61.9 101.9#

65 2.3 93.5 133.5#

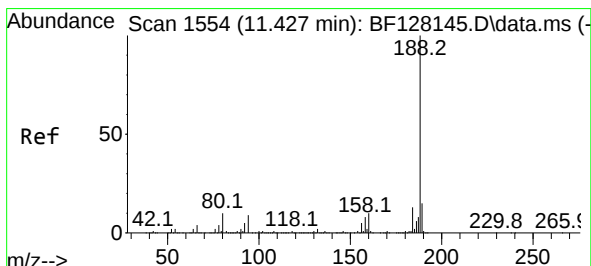
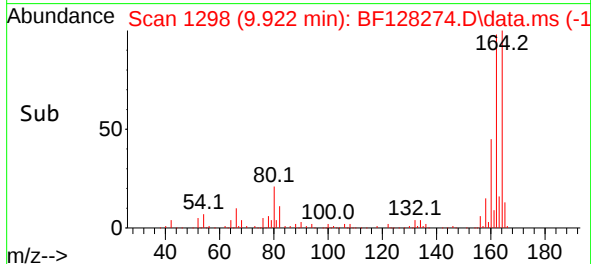
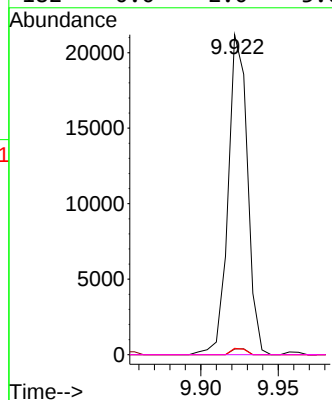
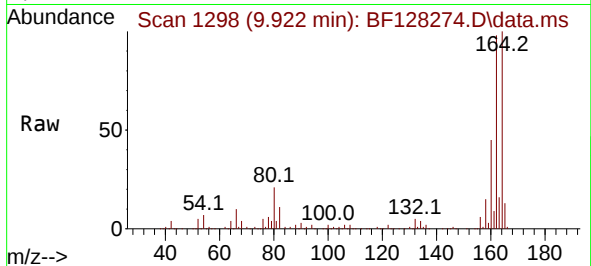




#57
2,4-Dinitrotoluene
Concen: 6.904 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

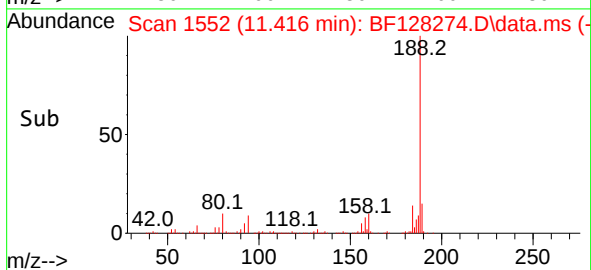
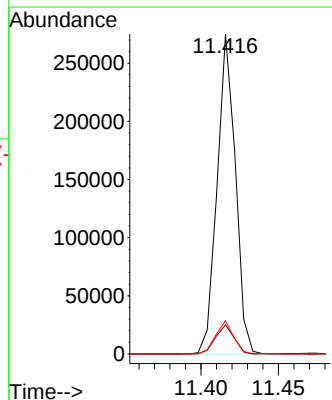
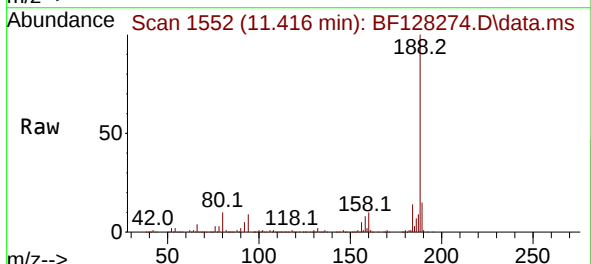
Instrument :
BNA_F
ClientSampleId :
SC-1DL

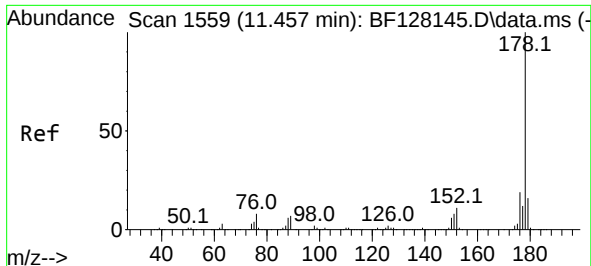
Tgt Ion:165 Resp: 18345
Ion Ratio Lower Upper
165 100
63 1.8 32.6 49.0#
89 2.0 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1552
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion:188 Resp: 225676
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 10.4 8.9 13.3

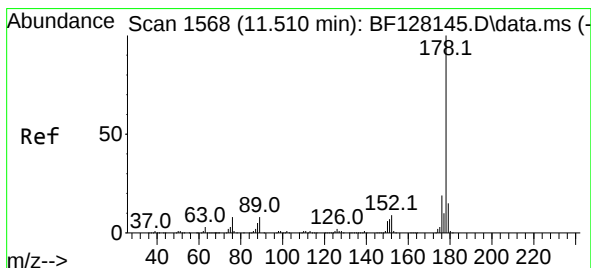
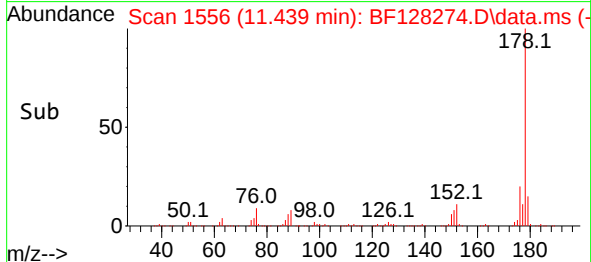
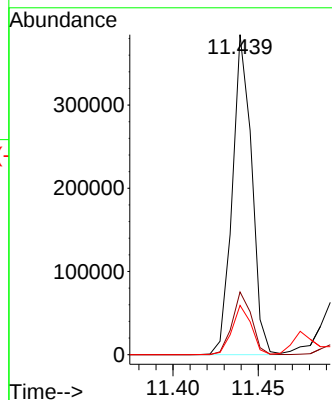
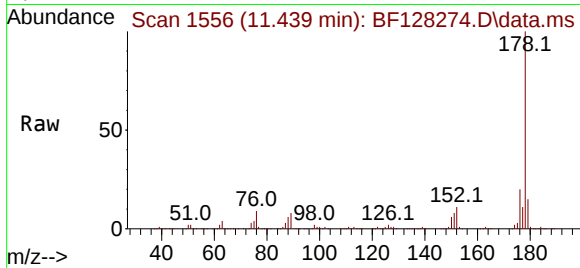




#71
Phenanthrene
Concen: 27.104 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.012 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

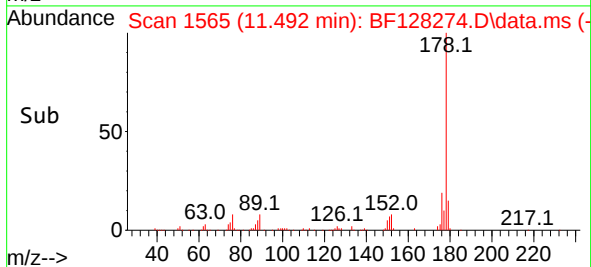
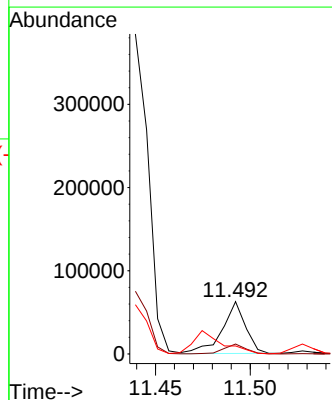
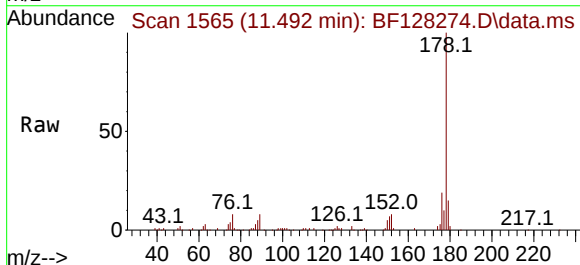
Instrument :
BNA_F
ClientSampleId :
SC-1DL

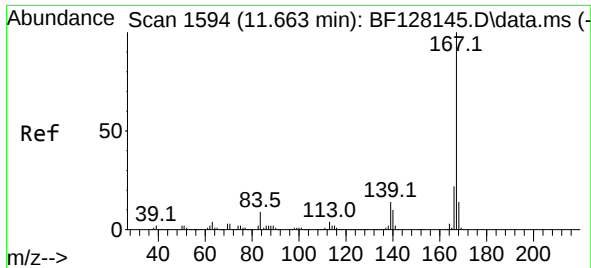
Tgt Ion:178 Resp: 304570
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.4 12.6 19.0



#72
Anthracene
Concen: 4.796 ng
RT: 11.492 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion:178 Resp: 53812
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.6
179 15.4 12.4 18.6

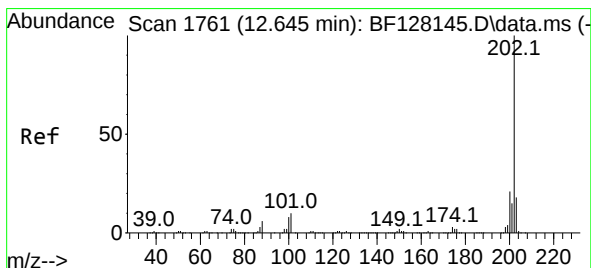
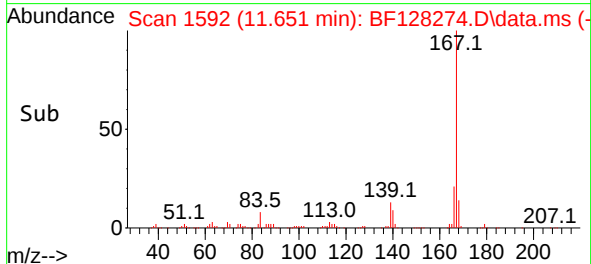
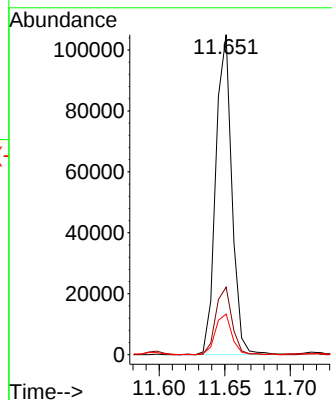
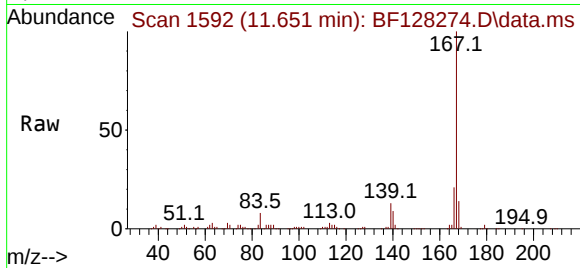




#73
 Carbazole
 Concen: 8.397 ng
 RT: 11.651 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128274.D
 Acq: 16 May 2022 18:13

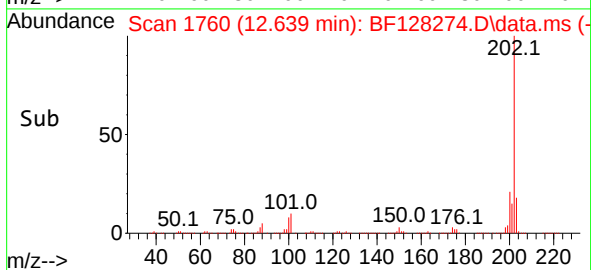
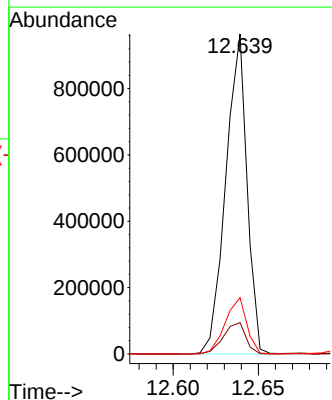
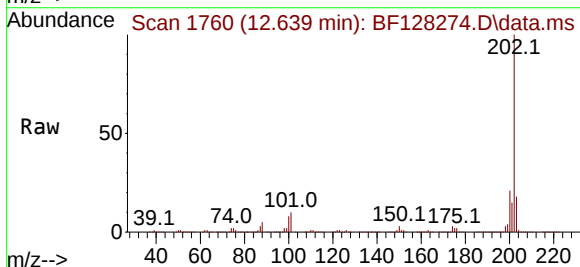
Instrument :
 BNA_F
 ClientSampleId :
 SC-1DL

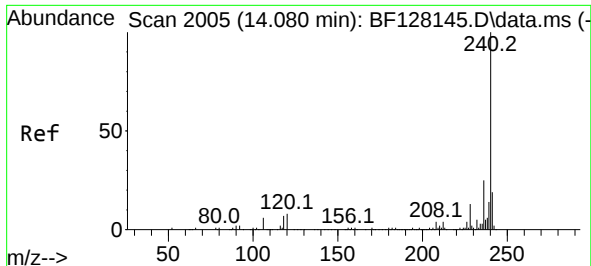
Tgt Ion:167 Resp: 89586
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.6 26.4
 139 12.7 10.7 16.1



#75
 Fluoranthene
 Concen: 68.546 ng
 RT: 12.639 min Scan# 1760
 Delta R.T. 0.000 min
 Lab File: BF128274.D
 Acq: 16 May 2022 18:13

Tgt Ion:202 Resp: 835088
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 31.6
 203 17.6 0.0 38.1

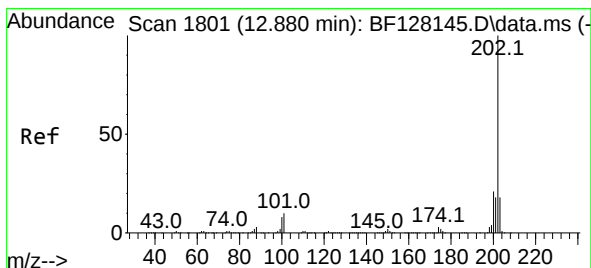
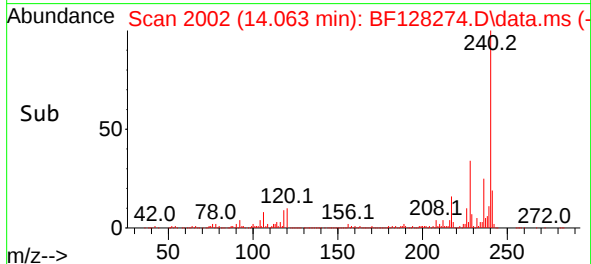
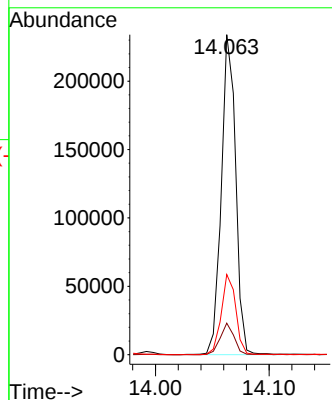
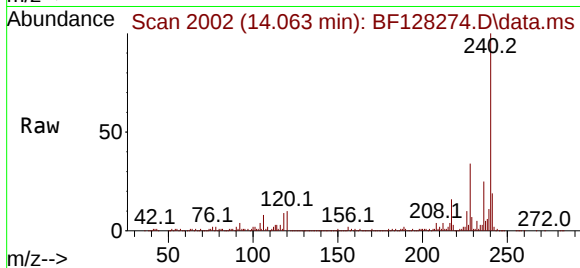




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

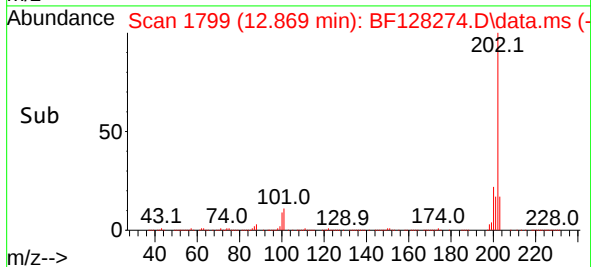
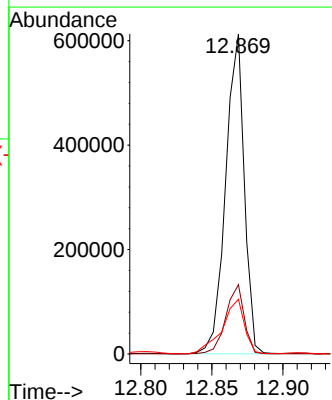
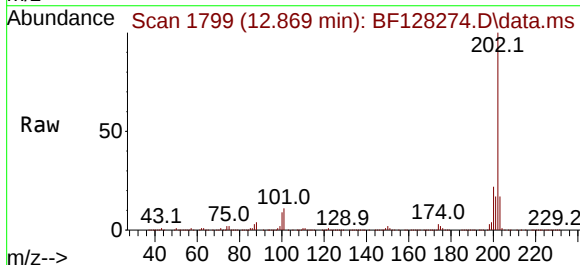
Instrument :
BNA_F
ClientSampleId :
SC-1DL

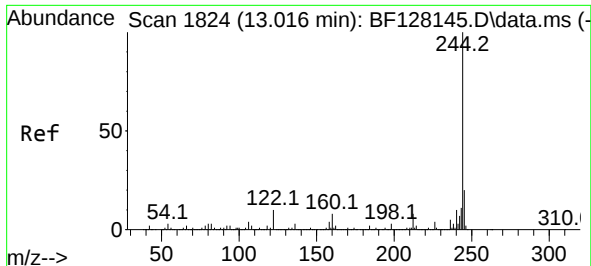
Tgt Ion:240 Resp: 206202
Ion Ratio Lower Upper
240 100
120 9.8 7.0 10.6
236 25.1 20.3 30.5



#78
Pyrene
Concen: 37.359 ng
RT: 12.869 min Scan# 1799
Delta R.T. 0.000 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion:202 Resp: 558578
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 17.1 14.0 21.0

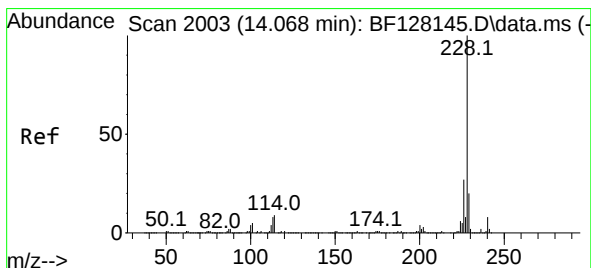
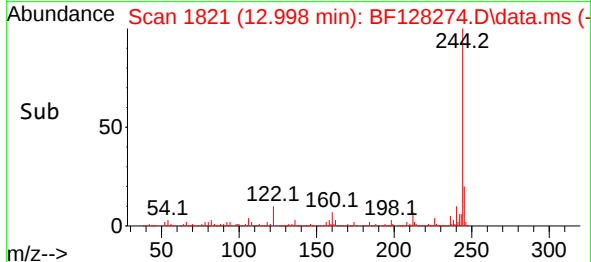
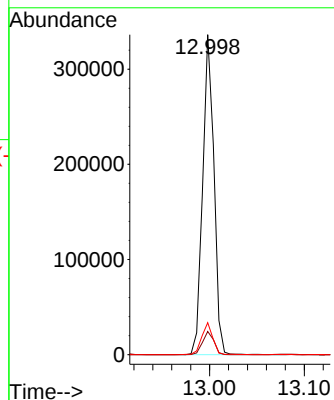
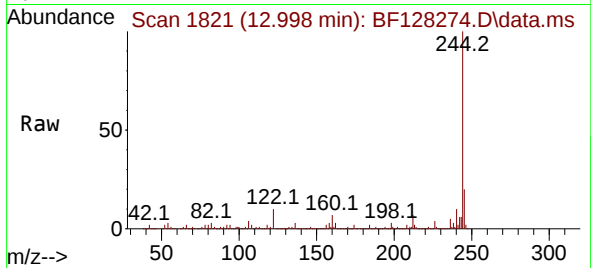




#79
 Terphenyl-d14
 Concen: 25.381 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128274.D
 Acq: 16 May 2022 18:13

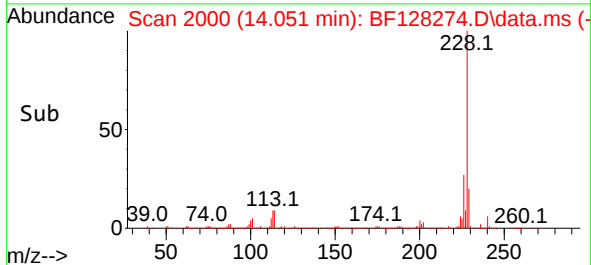
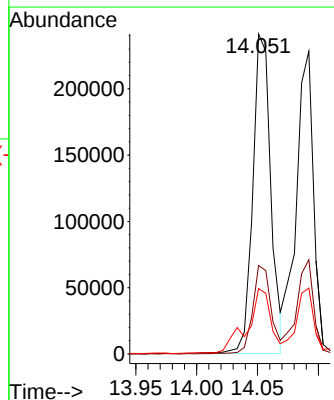
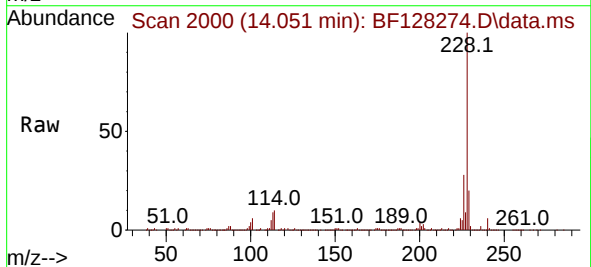
Instrument :
 BNA_F
 ClientSampleId :
 SC-1DL

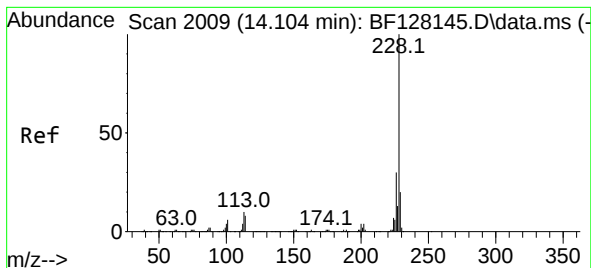
Tgt Ion:244 Resp: 278914
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.4
 122 10.0 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 18.878 ng
 RT: 14.051 min Scan# 2000
 Delta R.T. -0.006 min
 Lab File: BF128274.D
 Acq: 16 May 2022 18:13

Tgt Ion:228 Resp: 248637
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.7 32.5
 229 20.4 15.4 23.2





#83

Chrysene

Concen: 18.004 ng

RT: 14.092 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF128274.D

Acq: 16 May 2022 18:13

Instrument :

BNA_F

ClientSampleId :

SC-1DL

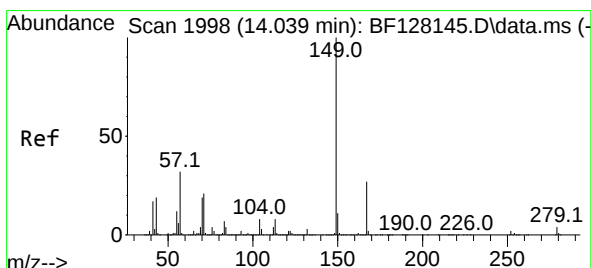
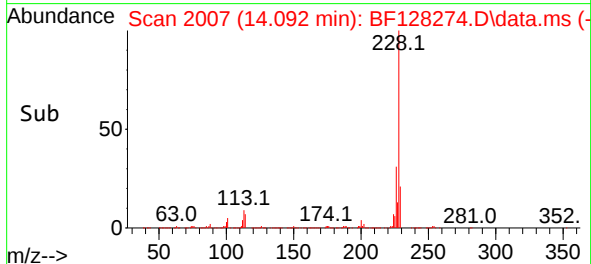
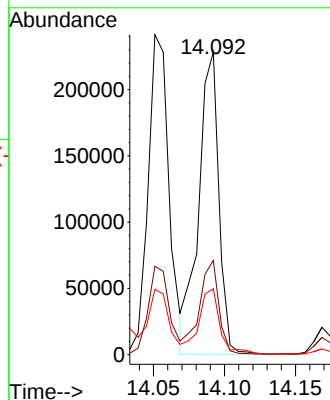
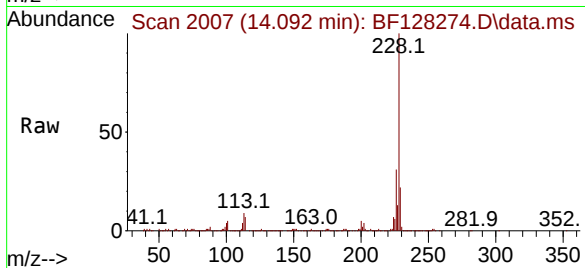
Tgt Ion:228 Resp: 226259

Ion Ratio Lower Upper

228 100

226 31.1 24.4 36.6

229 21.8 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.261 ng

RT: 14.022 min Scan# 1995

Delta R.T. -0.006 min

Lab File: BF128274.D

Acq: 16 May 2022 18:13

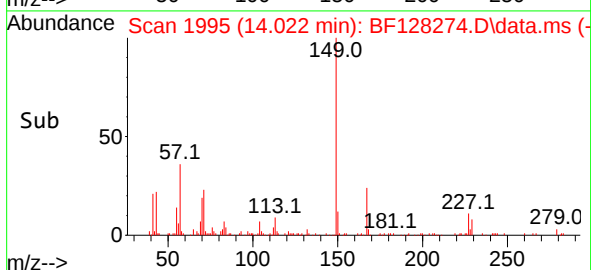
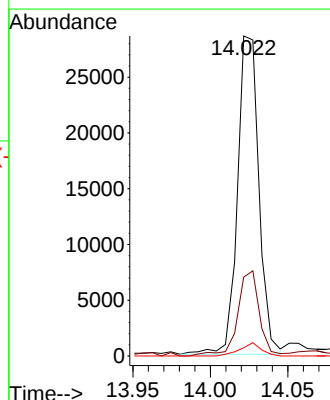
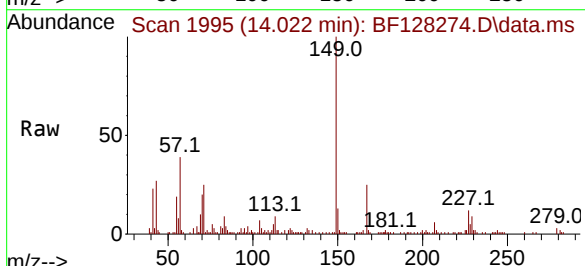
Tgt Ion:149 Resp: 27385

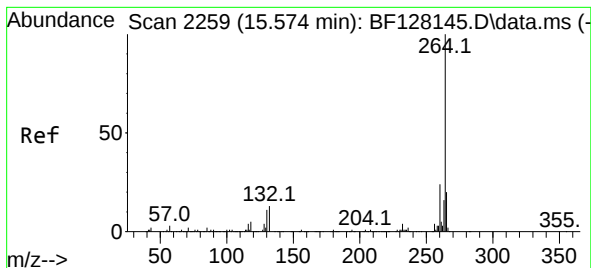
Ion Ratio Lower Upper

149 100

167 24.7 22.0 33.0

279 2.5 3.4 5.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF128274.D

Acq: 16 May 2022 18:13

Instrument :

BNA_F

ClientSampleId :

SC-1DL

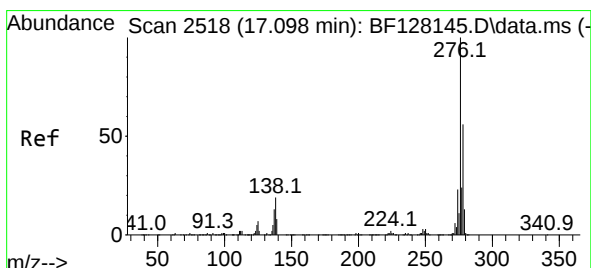
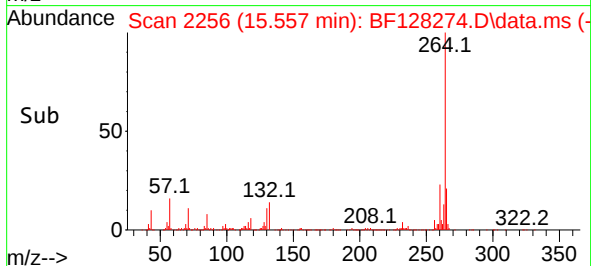
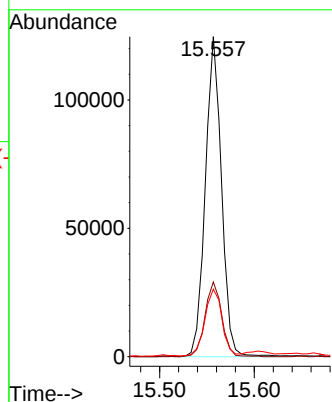
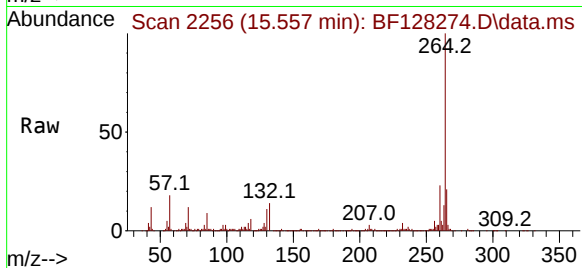
Tgt Ion:264 Resp: 147728

Ion Ratio Lower Upper

264 100

260 23.4 20.1 30.1

265 21.1 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.160 ng

RT: 17.068 min Scan# 2513

Delta R.T. -0.018 min

Lab File: BF128274.D

Acq: 16 May 2022 18:13

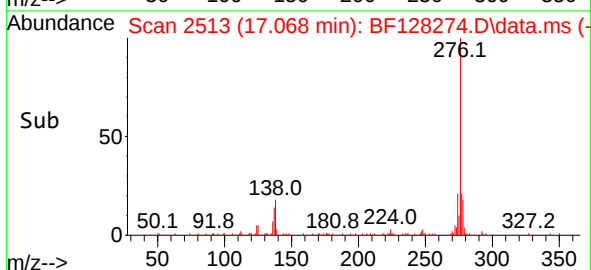
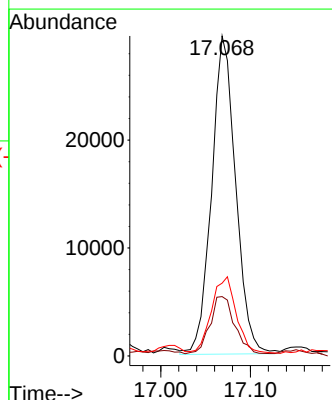
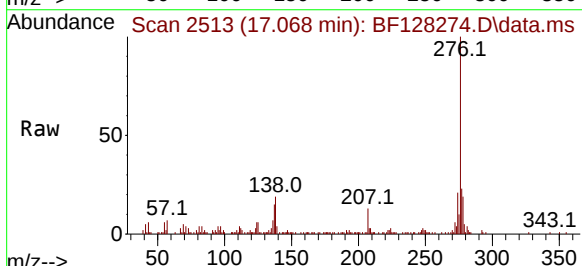
Tgt Ion:276 Resp: 55045

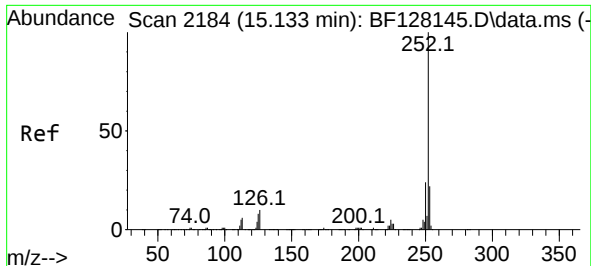
Ion Ratio Lower Upper

276 100

138 19.4 19.0 28.4

277 24.9 20.1 30.1

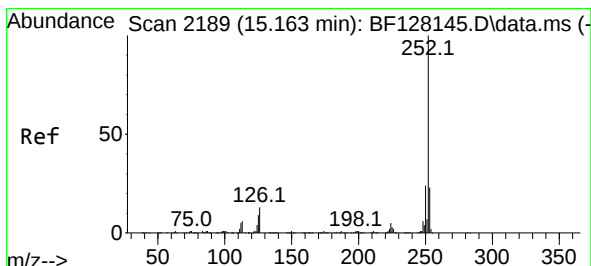
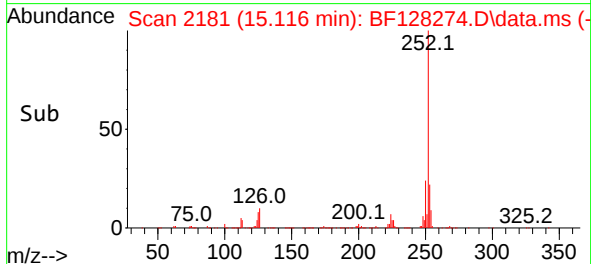
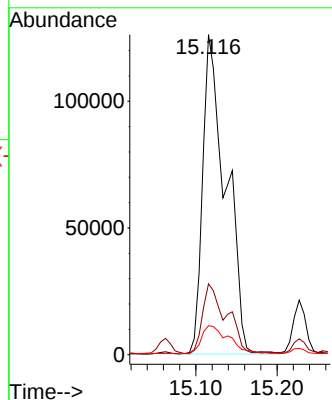
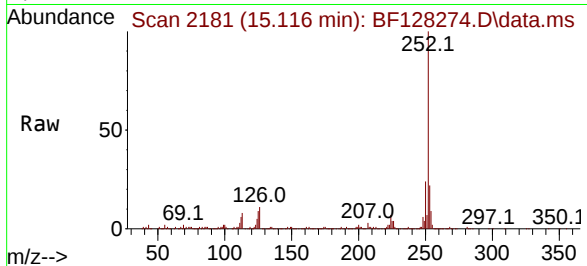




#88
Benzo(b)fluoranthene
Concen: 27.302 ng
RT: 15.116 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

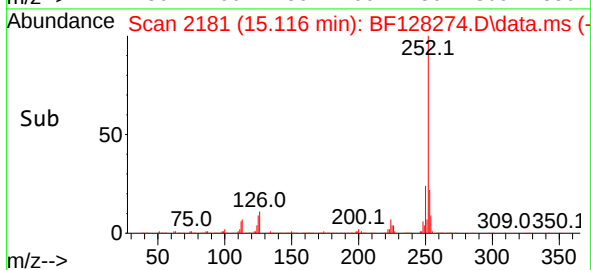
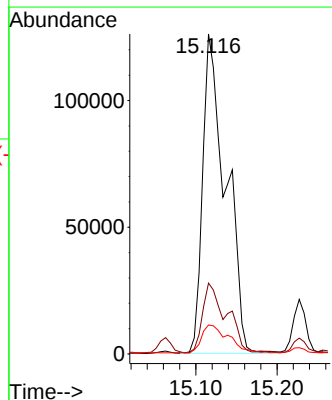
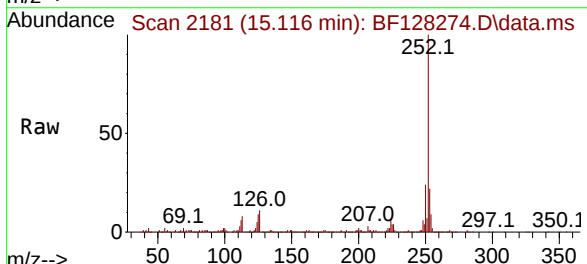
Instrument :
BNA_F
ClientSampleId :
SC-1DL

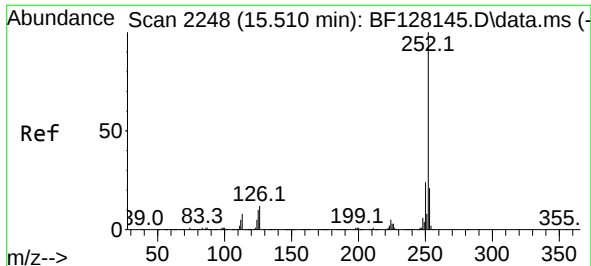
Tgt Ion:252 Resp: 250019
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 9.1 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 27.658 ng
RT: 15.116 min Scan# 2181
Delta R.T. -0.035 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion:252 Resp: 250019
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.4
125 9.1 6.8 10.2

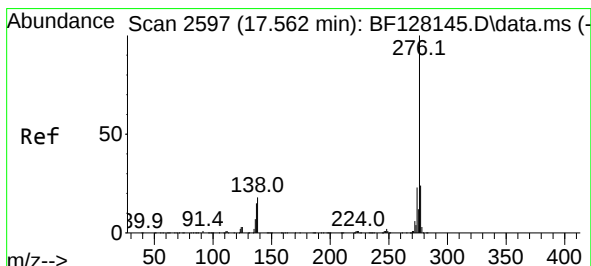
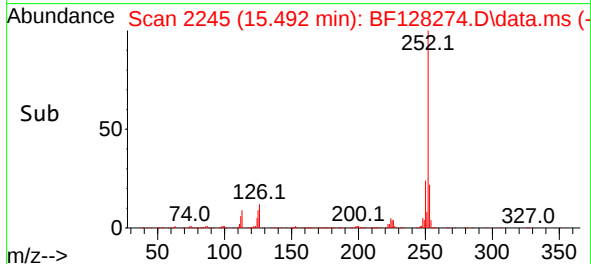
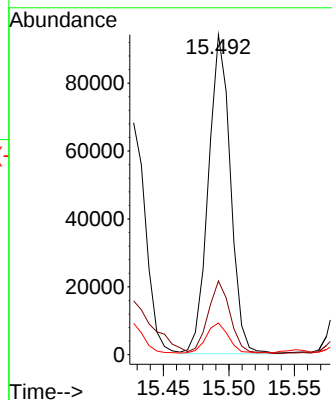
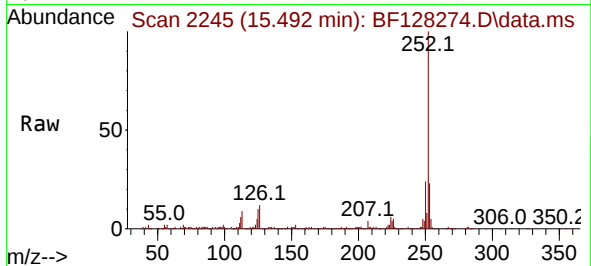




#90
Benzo(a)pyrene
Concen: 14.920 ng
RT: 15.492 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Instrument :
BNA_F
ClientSampleId :
SC-1DL

Tgt Ion:252 Resp: 110306
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 9.9 9.2 13.8



#92
Benzo(g,h,i)perylene
Concen: 6.823 ng
RT: 17.527 min Scan# 2591
Delta R.T. -0.023 min
Lab File: BF128274.D
Acq: 16 May 2022 18:13

Tgt Ion:276 Resp: 49984
Ion Ratio Lower Upper
276 100
277 23.1 18.8 28.2
138 19.6 16.2 24.2

