

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031722\
 Data File : BF127383.D
 Acq On : 17 Mar 2022 18:43
 Operator : CG\JU
 Sample : N1953-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-RBR-200033

Quant Time: Mar 18 04:40:20 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 16:51:53 2022
 Response via : Initial Calibration

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

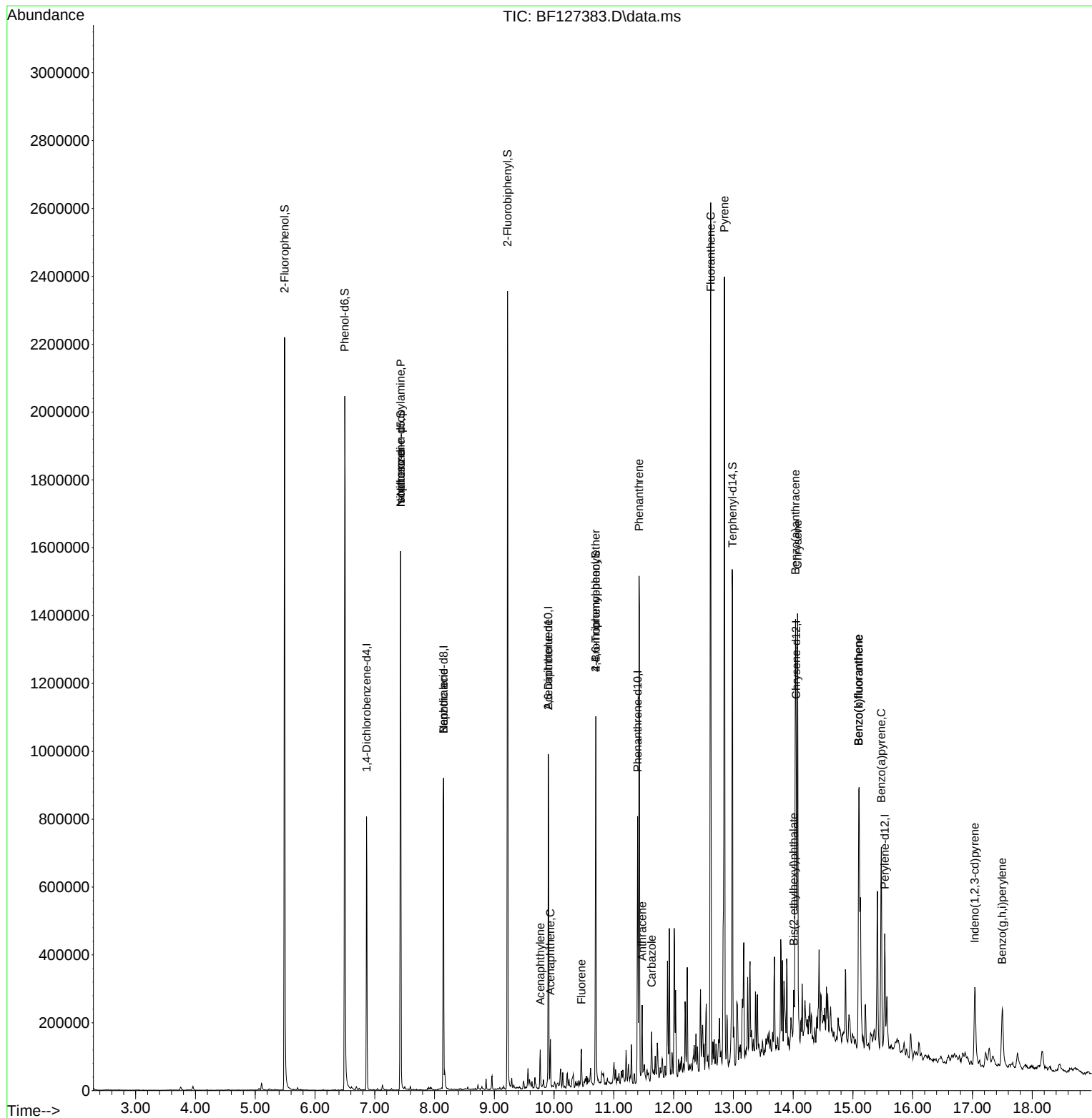
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	106047	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	373933	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	188506	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	269134	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	205290	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	147823	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	506241	76.741	ng	0.00
7) Phenol-d6	6.498	99	690323	76.070	ng	0.00
23) Nitrobenzene-d5	7.434	82	464423	51.292	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	113450	55.907	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	710591	53.294	ng	-0.01
79) Terphenyl-d14	12.986	244	516499	43.323	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.445	77	209	Below Cal		88
19) n-Nitroso-di-n-propyla...	7.434	70	64874	11.456 ng	#	86
25) Isophorone	7.434	82	464416	31.898 ng	#	69
32) Benzoic acid	8.151	122	184	6.666 ng	#	1
49) Acenaphthylene	9.769	152	41040	2.421 ng		99
51) 2,6-Dinitrotoluene	9.904	165	25294	9.257 ng	#	21
52) Acenaphthene	9.939	154	25003	2.475 ng		97
58) Fluorene	10.457	166	28625	2.352 ng		98
67) 4-Bromophenyl-phenylether	10.698	248	7896	2.434 ng	#	1
71) Phenanthrene	11.422	178	546072	38.436 ng		100
72) Anthracene	11.475	178	76423	5.432 ng		97
73) Carbazole	11.633	167	44401	3.351 ng		97
75) Fluoranthene	12.621	202	1049204	66.049 ng		92
78) Pyrene	12.851	202	944790	59.086 ng		99
81) Benzo(a)anthracene	14.039	228	441209	31.919 ng		95
83) Chrysene	14.074	228	451086	35.086 ng		98
84) Bis(2-ethylhexyl)phtha...	14.010	149	26390	3.186 ng	#	96
87) Indeno(1,2,3-cd)pyrene	17.039	276	153750	17.265 ng	#	81
88) Benzo(b)fluoranthene	15.098	252	623080	64.215 ng	#	93
89) Benzo(k)fluoranthene	15.098	252	623080	68.294 ng	#	94
90) Benzo(a)pyrene	15.474	252	289254	37.857 ng	#	91
92) Benzo(g,h,i)perylene	17.498	276	148627	20.558 ng	#	84

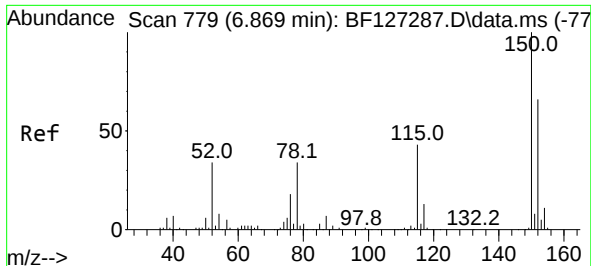
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Mar 18 04:40:20 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 10 16:51:53 2022
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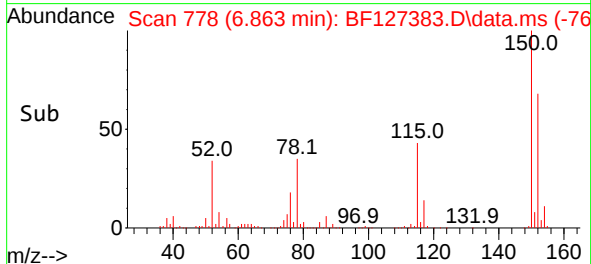
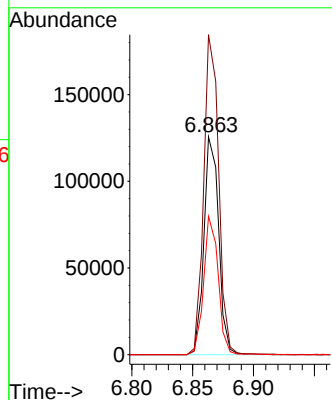
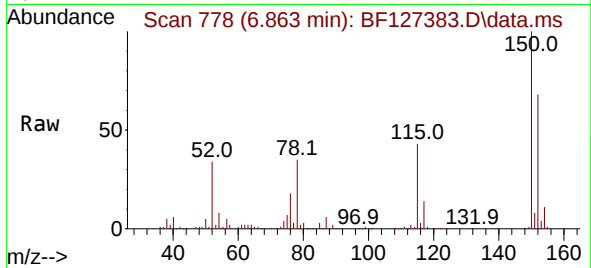




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

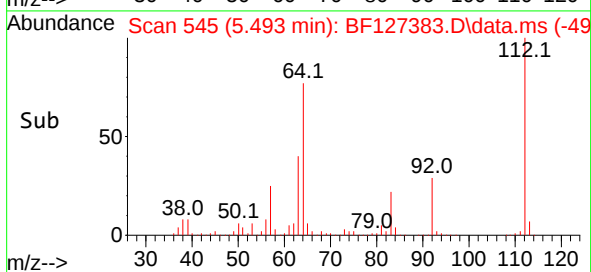
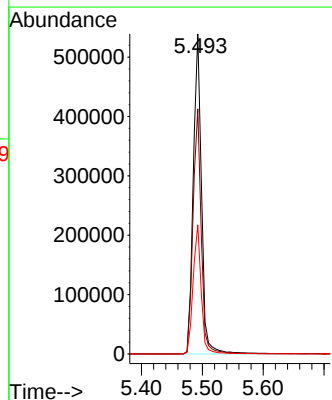
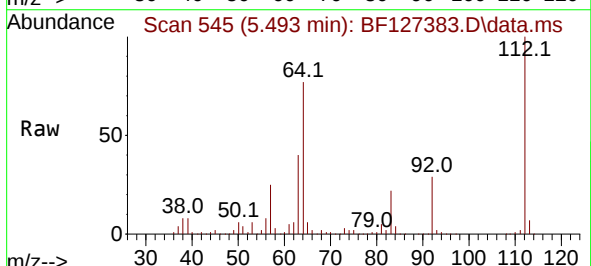
Instrument :
BNA_F
ClientSampleId :
RO-RBR-200033

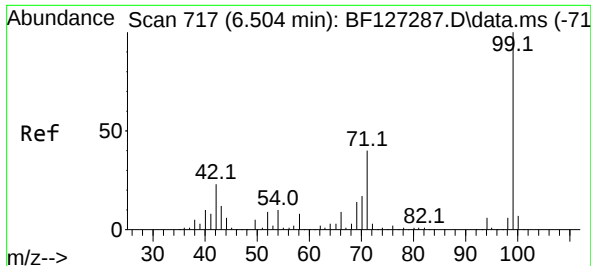
Tgt Ion:152 Resp: 106047
Ion Ratio Lower Upper
152 100
150 146.8 128.1 192.1
115 63.5 56.7 85.1



#5
2-Fluorophenol
Concen: 76.741 ng
RT: 5.493 min Scan# 545
Delta R.T. -0.000 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion:112 Resp: 506241
Ion Ratio Lower Upper
112 100
64 76.6 49.5 74.3#
63 40.3 23.9 35.9#

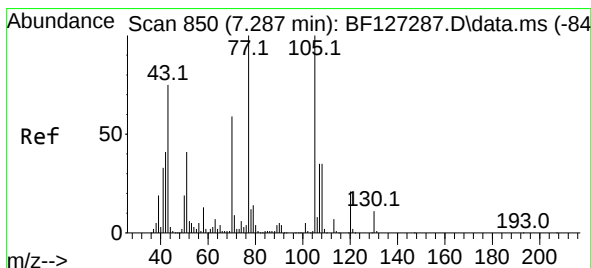
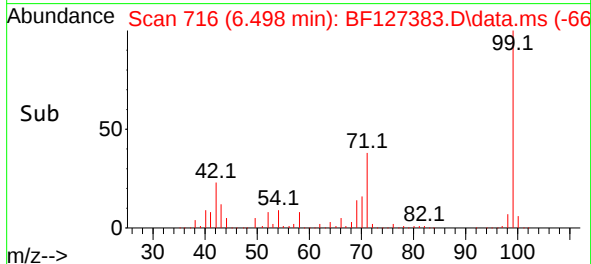
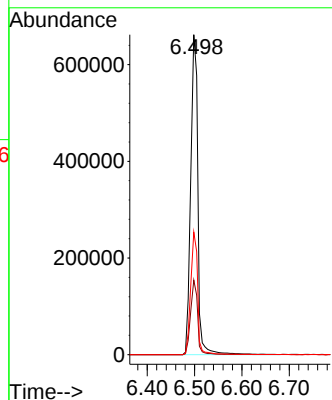
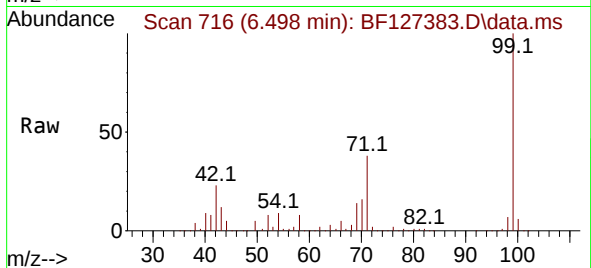




#7
Phenol-d6
Concen: 76.070 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

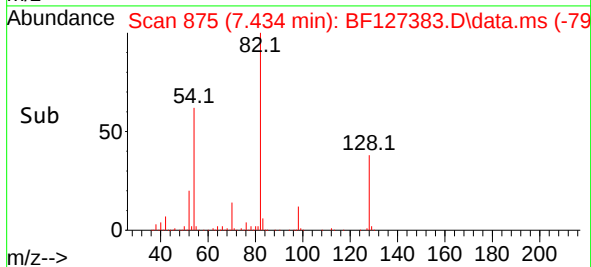
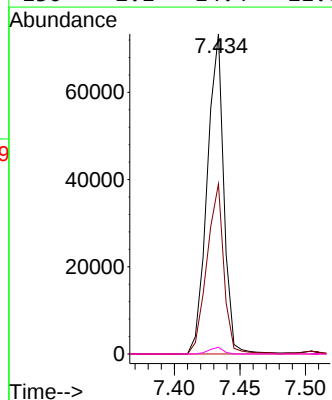
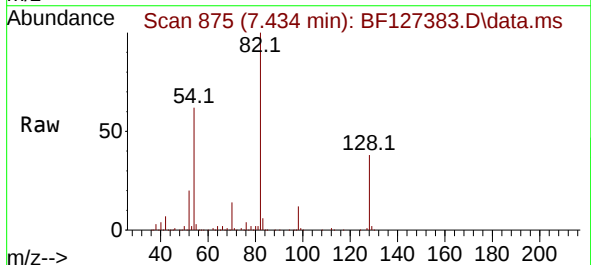
Instrument :
BNA_F
ClientSampleId :
RO-RBR-200033

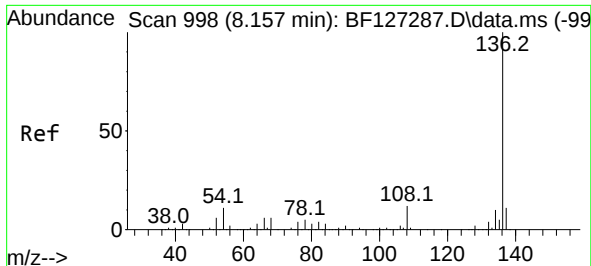
Tgt Ion: 99 Resp: 690323
Ion Ratio Lower Upper
99 100
42 23.3 14.2 21.4#
71 38.3 24.3 36.5#



#19
n-Nitroso-di-n-propylamine
Concen: 11.456 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.147 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion: 70 Resp: 64874
Ion Ratio Lower Upper
70 100
42 53.1 45.8 68.8
101 0.0 6.9 10.3#
130 2.1 14.4 21.6#



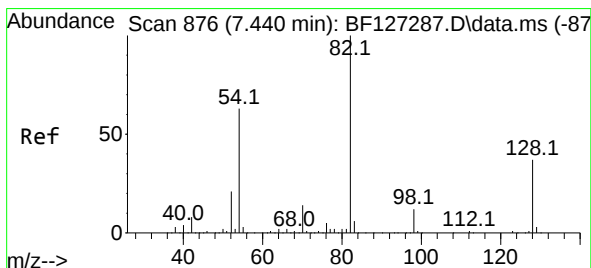
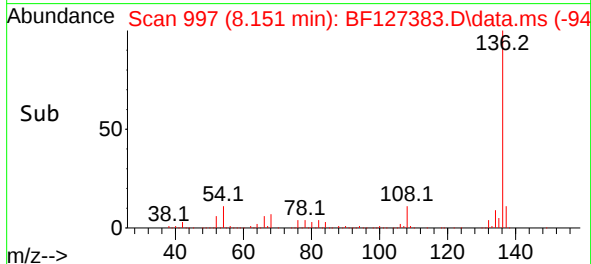
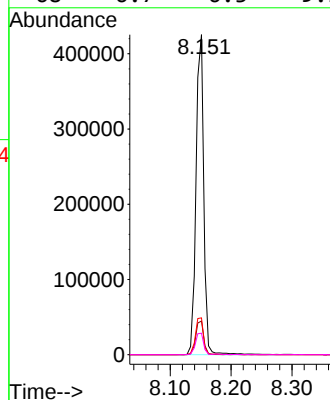
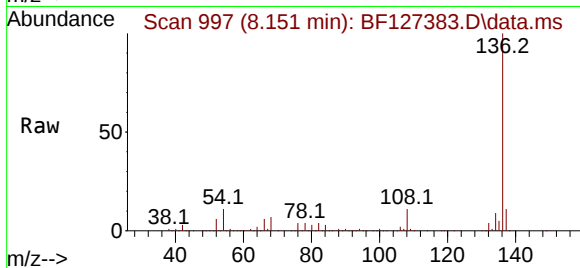


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Instrument :
BNA_F
ClientSampleId :
RO-RBR-200033

Tgt Ion:136 Resp: 373933

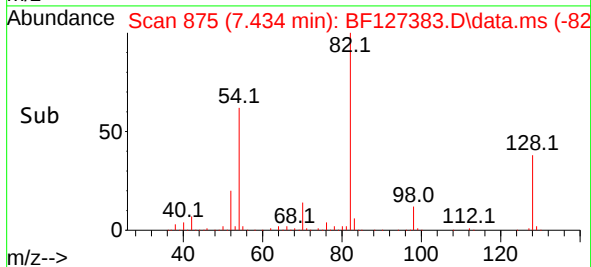
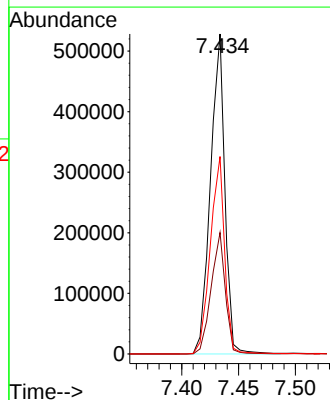
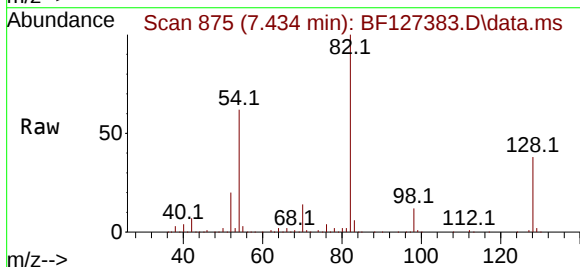
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	11.5	7.8	11.6
68	6.7	6.3	9.5



#23
Nitrobenzene-d5
Concen: 51.292 ng
RT: 7.434 min Scan# 875
Delta R.T. -0.006 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion: 82 Resp: 464423

Ion	Ratio	Lower	Upper
82	100		
128	37.9	32.7	49.1
54	61.7	41.7	62.5

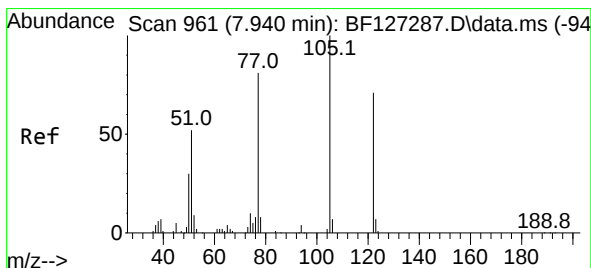
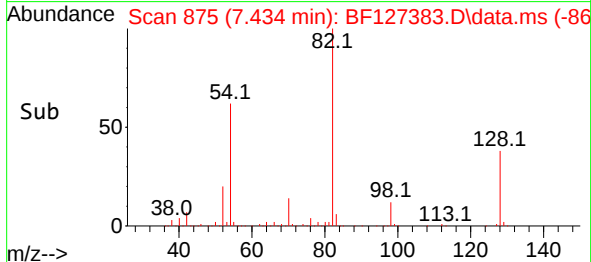
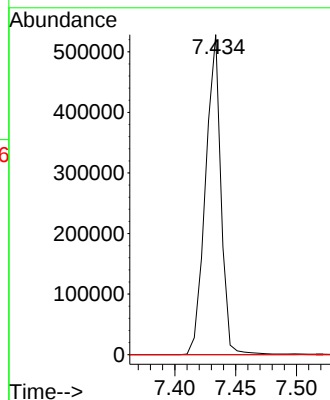
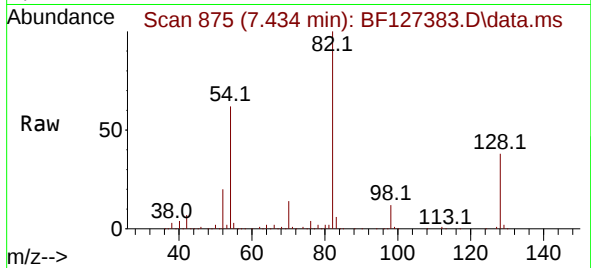




#25
Isophorone
Concen: 31.898 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

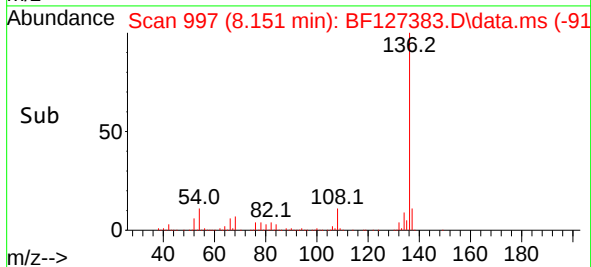
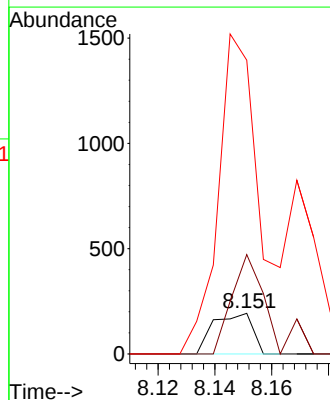
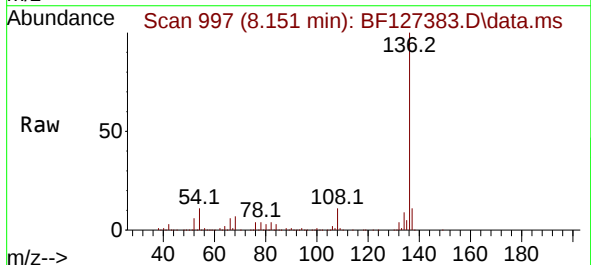
Instrument :
BNA_F
ClientSampleId :
RO-RBR-200033

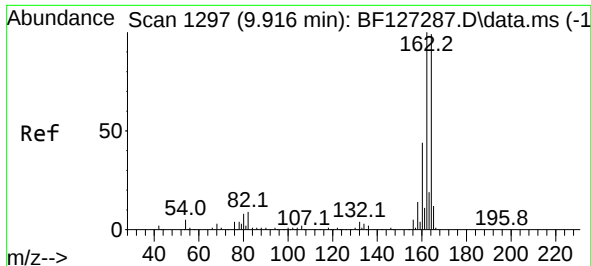
Tgt Ion: 82 Resp: 464416
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#32
Benzoic acid
Concen: 6.666 ng
RT: 8.151 min Scan# 997
Delta R.T. 0.211 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion:122 Resp: 184
Ion Ratio Lower Upper
122 100
105 244.6 101.0 141.0#
77 722.8 74.5 114.5#

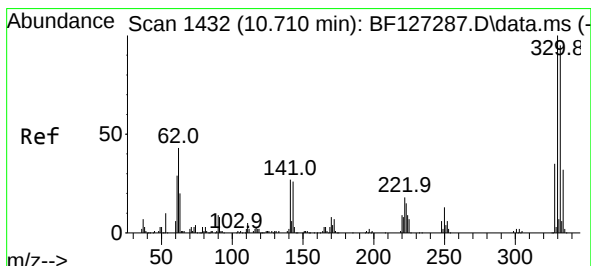
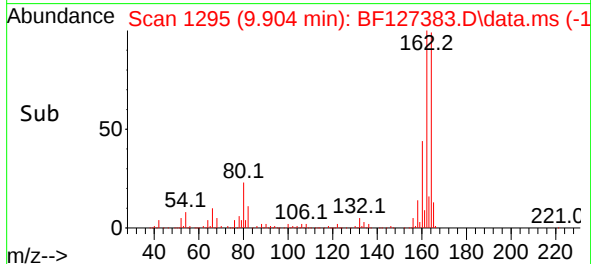
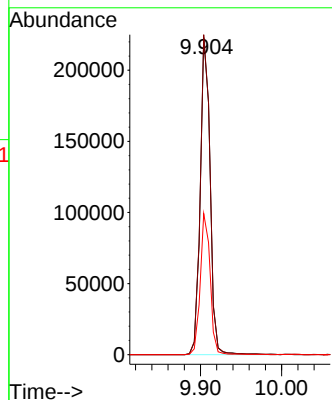
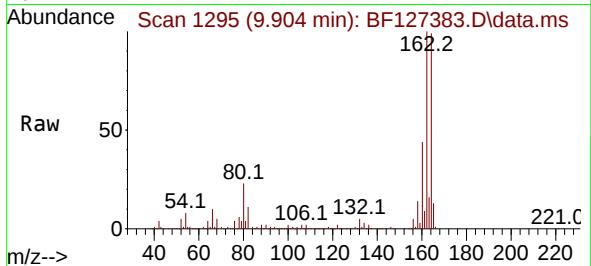




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

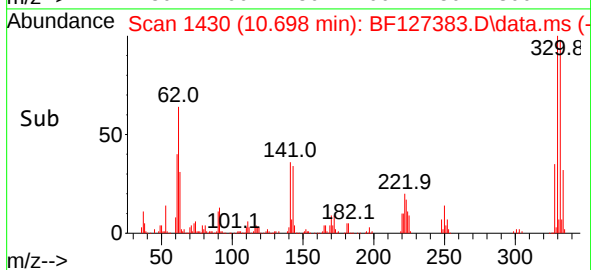
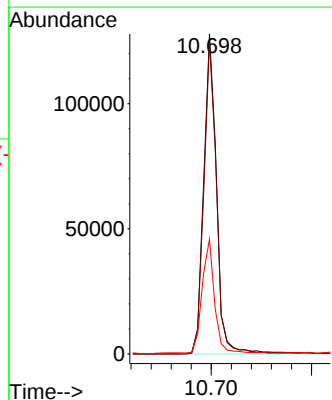
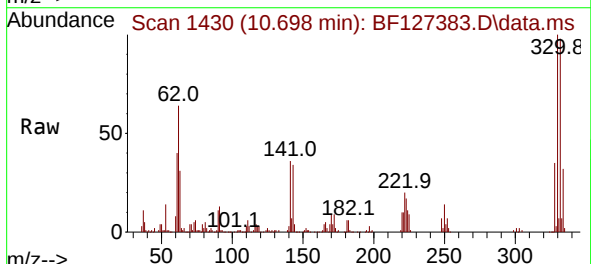
Instrument :
BNA_F
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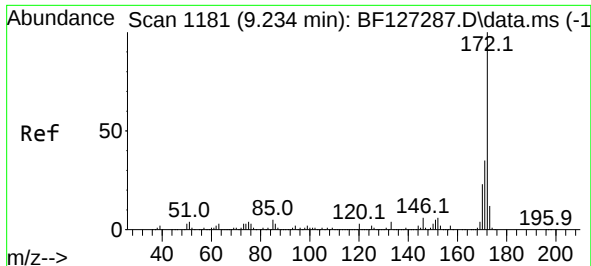
Tgt Ion:164 Resp: 188506
Ion Ratio Lower Upper
164 100
162 100.9 81.4 122.0
160 44.5 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 55.907 ng
RT: 10.698 min Scan# 1430
Delta R.T. -0.012 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion:330 Resp: 113450
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 36.7 30.1 45.1

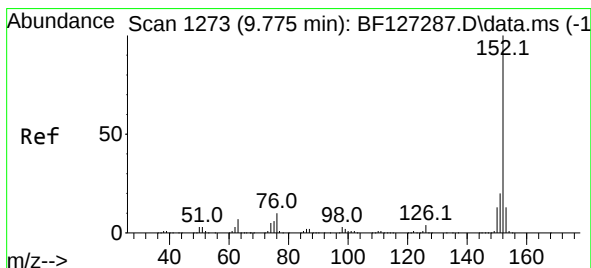
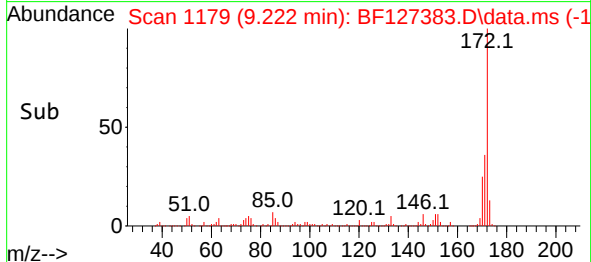
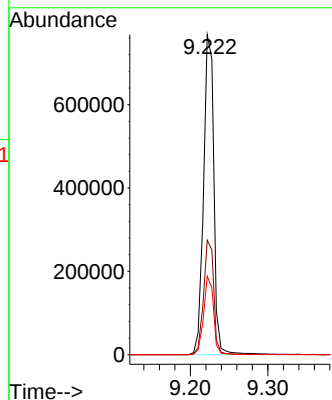
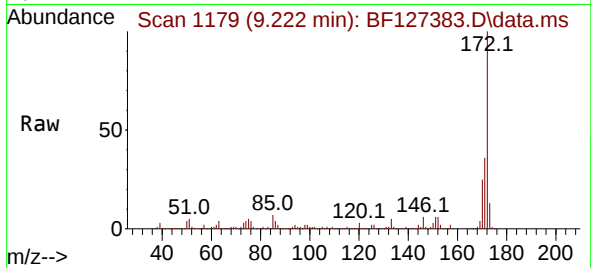




#45
2-Fluorobiphenyl
Concen: 53.294 ng
RT: 9.222 min Scan# 1179
Delta R.T. -0.012 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

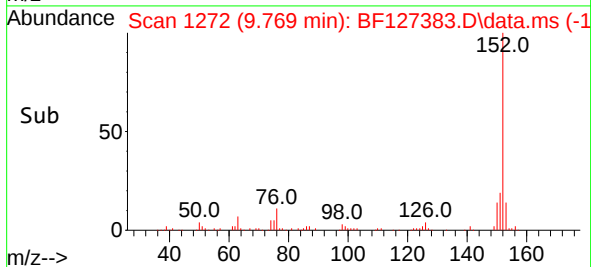
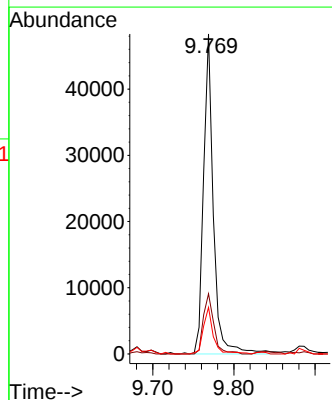
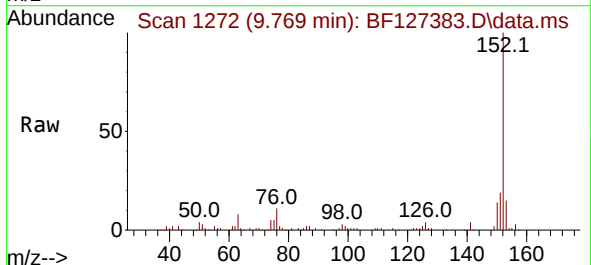
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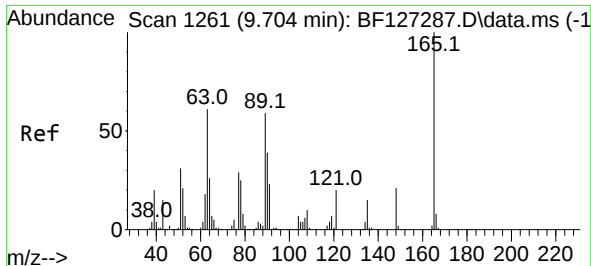
Tgt Ion:172 Resp: 710591
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 24.5 19.0 28.6



#49
Acenaphthylene
Concen: 2.421 ng
RT: 9.769 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion:152 Resp: 41040
Ion Ratio Lower Upper
152 100
151 18.8 15.7 23.5
153 14.6 11.4 17.0





#51

2,6-Dinitrotoluene

Concen: 9.257 ng

RT: 9.904 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF127383.D

Acq: 17 Mar 2022 18:43

Instrument :

BNA_F

ClientSampleId :

RO-RBR-200033

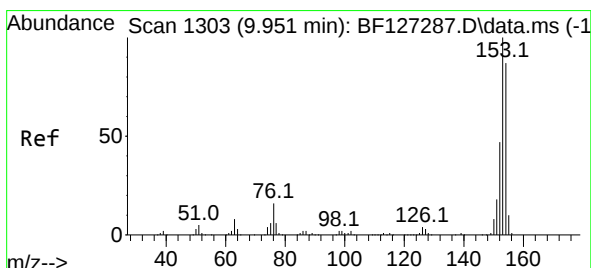
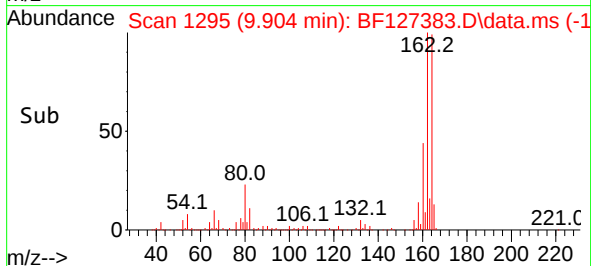
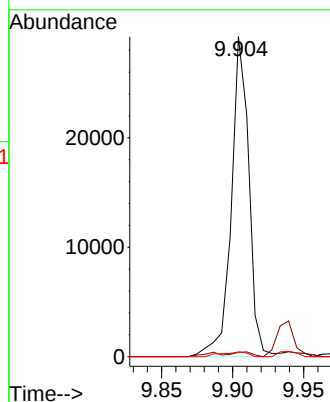
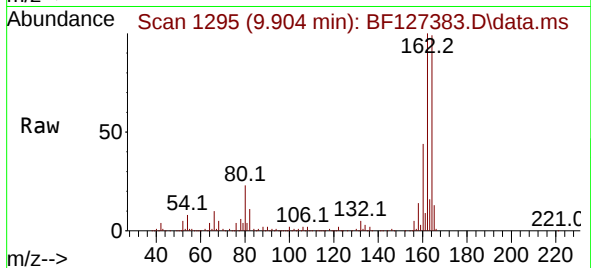
Tgt Ion:165 Resp: 25294

Ion Ratio Lower Upper

165 100

63 1.4 48.4 72.6#

89 1.5 50.5 75.7#



#52

Acenaphthene

Concen: 2.475 ng

RT: 9.939 min Scan# 1301

Delta R.T. -0.012 min

Lab File: BF127383.D

Acq: 17 Mar 2022 18:43

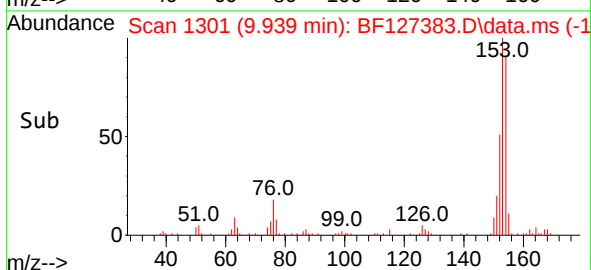
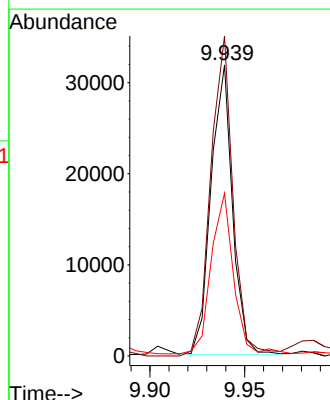
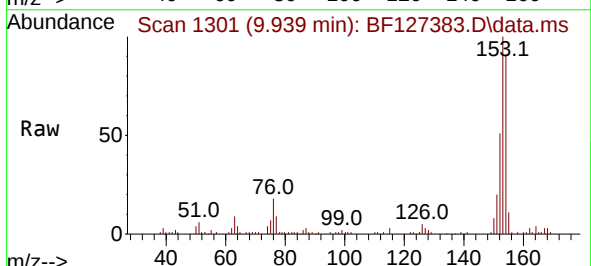
Tgt Ion:154 Resp: 25003

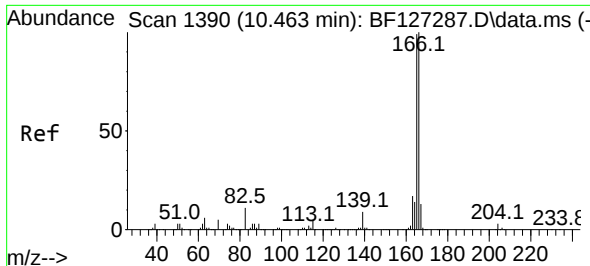
Ion Ratio Lower Upper

154 100

153 109.9 87.8 131.6

152 55.9 39.4 59.2

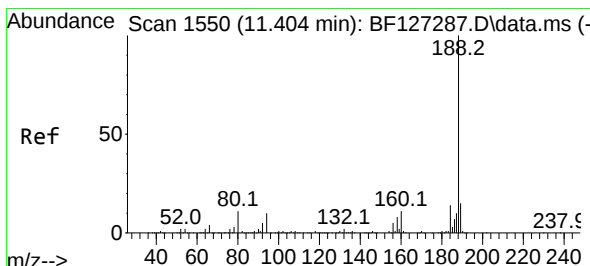
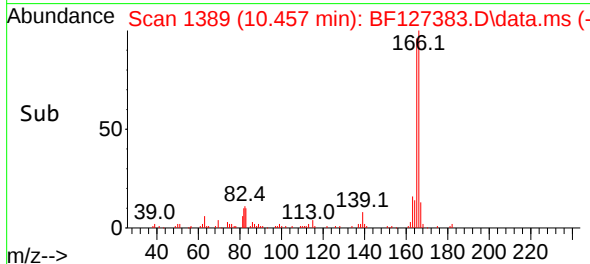
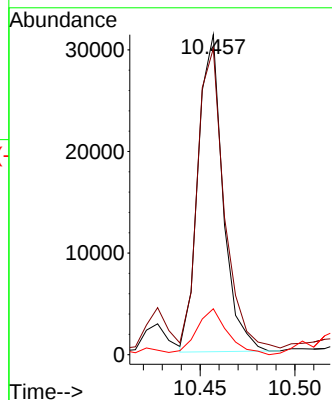
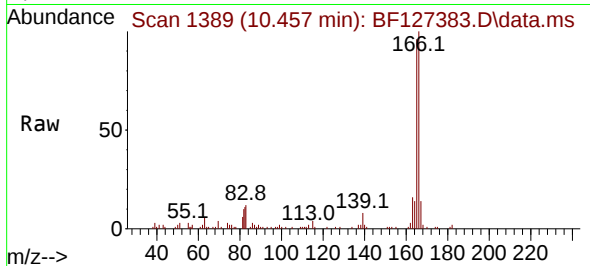




#58
Fluorene
Concen: 2.352 ng
RT: 10.457 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

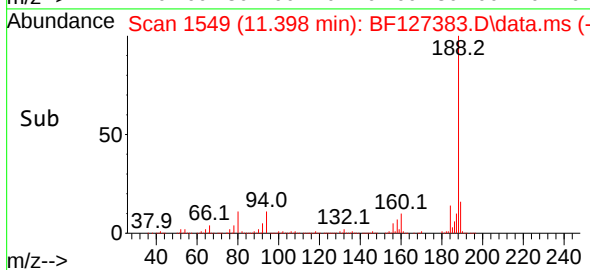
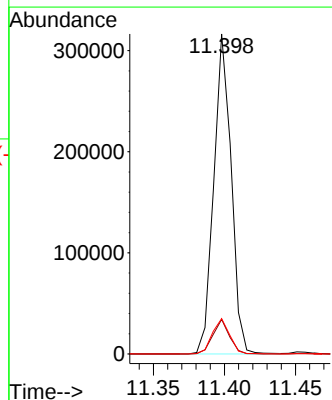
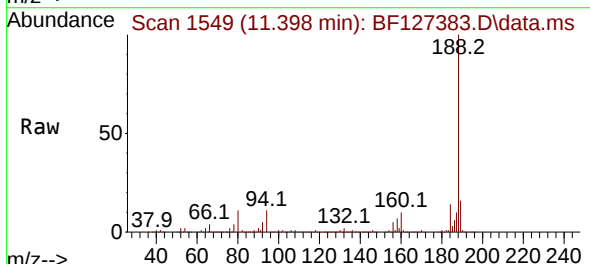
Instrument :
BNA_F
ClientSampleId :
RO-RBR-200033

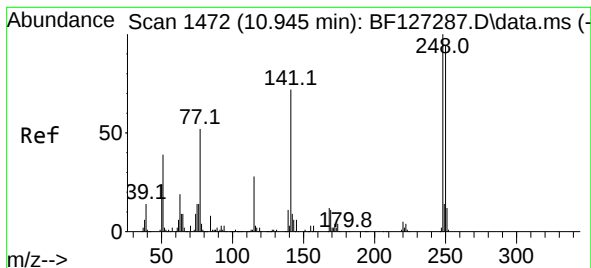
Tgt Ion:166 Resp: 28625
Ion Ratio Lower Upper
166 100
165 95.7 77.7 116.5
167 14.3 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion:188 Resp: 269134
Ion Ratio Lower Upper
188 100
94 10.8 10.1 15.1
80 11.1 11.8 17.6#

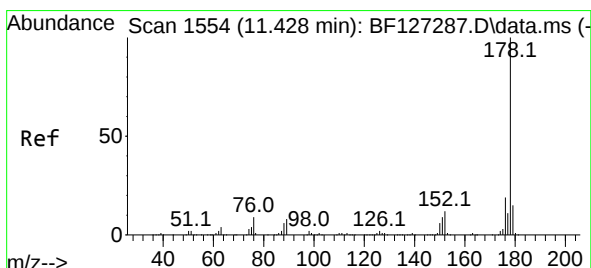
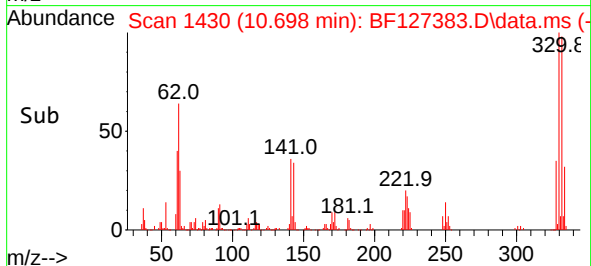
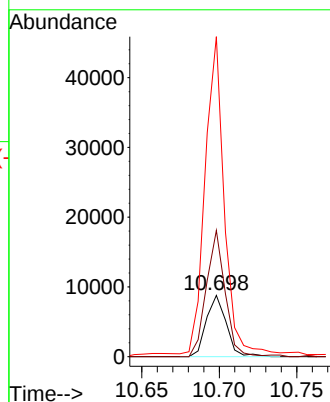
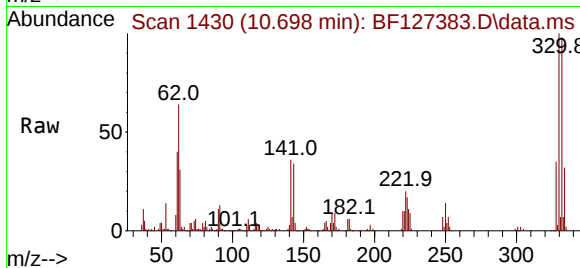




#67
4-Bromophenyl-phenylether
Concen: 2.434 ng
RT: 10.698 min Scan# 1472
Delta R.T. -0.247 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

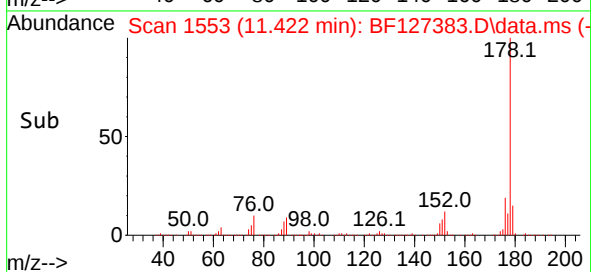
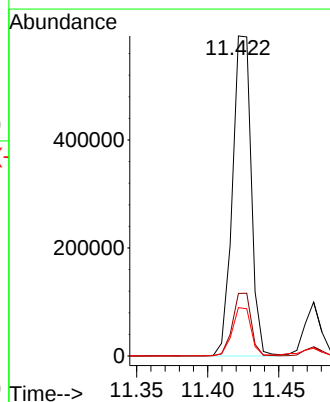
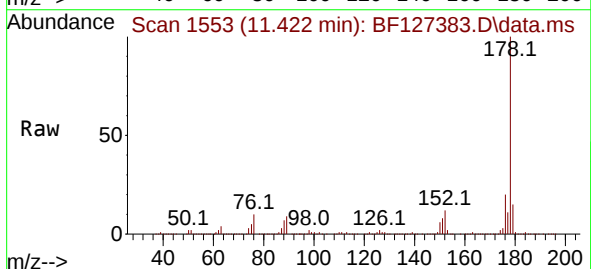
Instrument :
BNA_F
ClientSampleId :
RO-RBR-200033

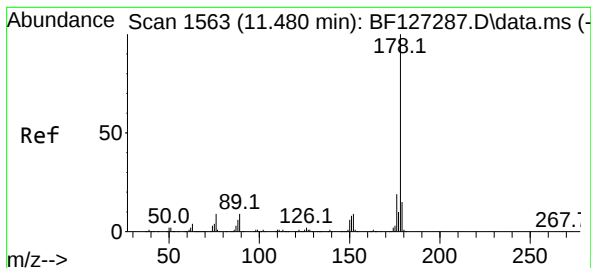
Tgt Ion:248 Resp: 7896
Ion Ratio Lower Upper
248 100
250 206.0 76.2 114.4#
141 522.0 66.2 99.4#



#71
Phenanthrene
Concen: 38.436 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion:178 Resp: 546072
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.1 12.3 18.5





#72

Anthracene

Concen: 5.432 ng

RT: 11.475 min Scan# 1562

Delta R.T. -0.006 min

Lab File: BF127383.D

Acq: 17 Mar 2022 18:43

Instrument :

BNA_F

ClientSampleId :

RO-RBR-200033

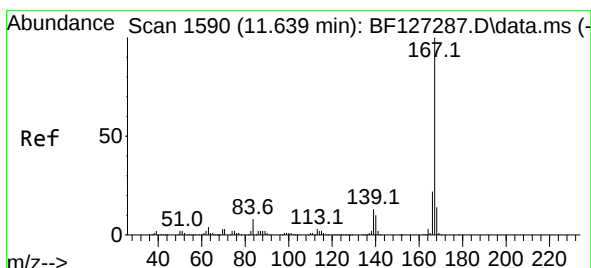
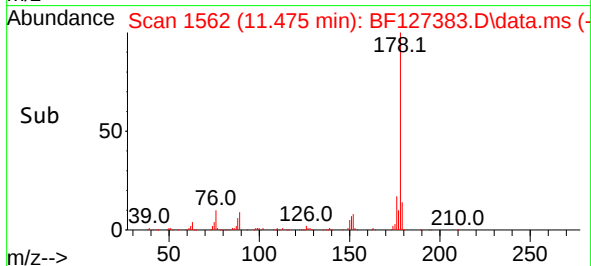
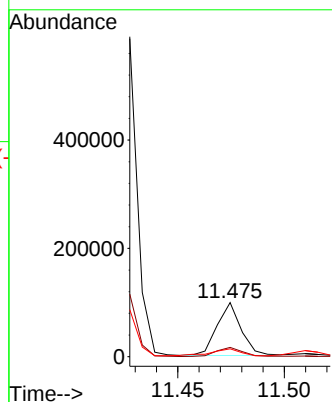
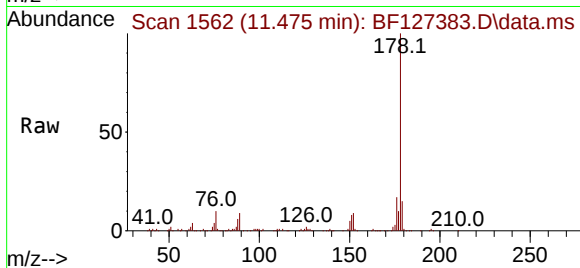
Tgt Ion:178 Resp: 76423

Ion Ratio Lower Upper

178 100

176 17.1 15.0 22.6

179 14.7 12.5 18.7



#73

Carbazole

Concen: 3.351 ng

RT: 11.633 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF127383.D

Acq: 17 Mar 2022 18:43

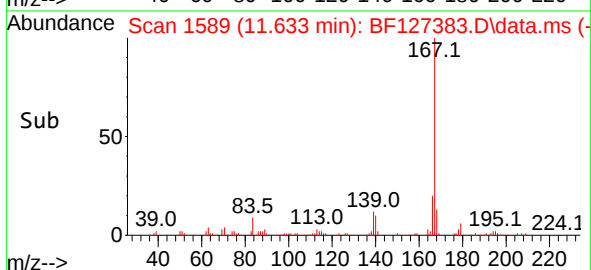
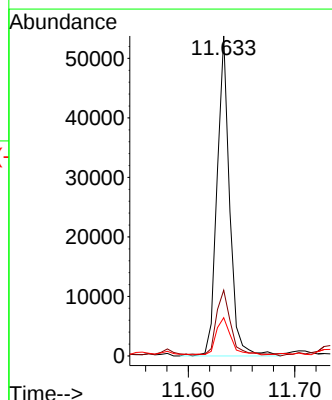
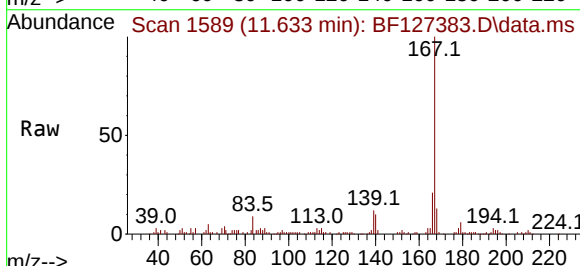
Tgt Ion:167 Resp: 44401

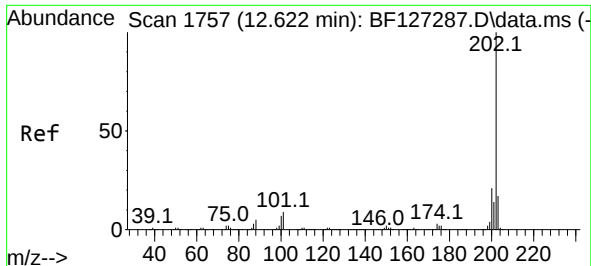
Ion Ratio Lower Upper

167 100

166 20.6 16.9 25.3

139 12.0 11.3 16.9

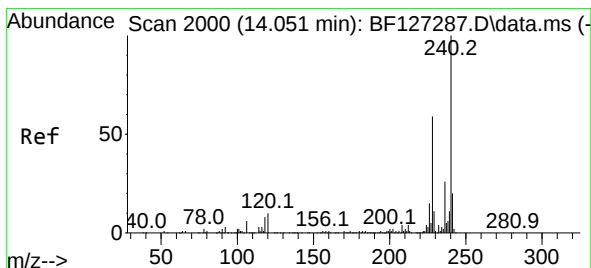
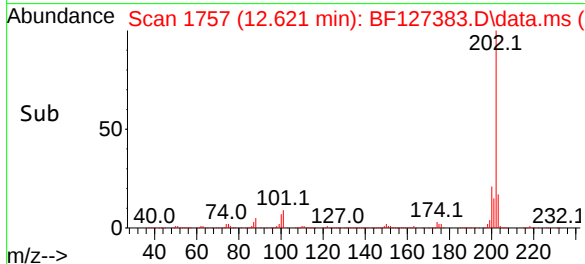
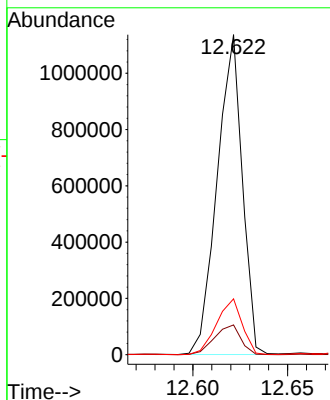
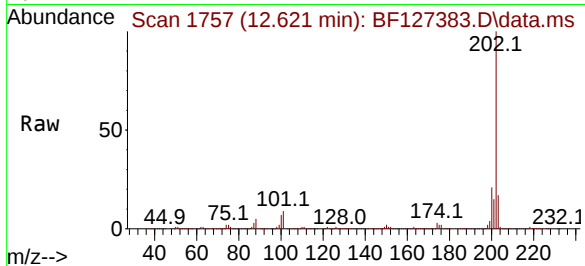




#75
Fluoranthene
Concen: 66.049 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

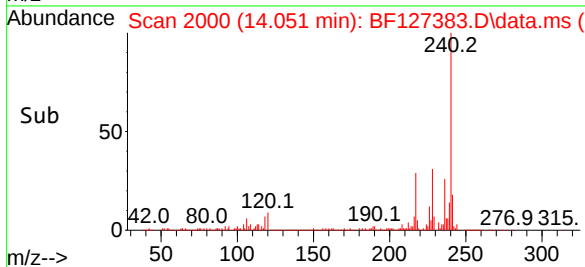
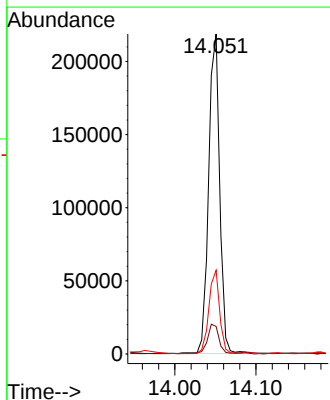
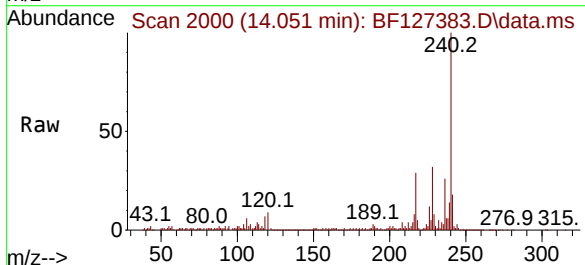
Instrument :
BNA_F
ClientSampleId :
RO-RBR-200033

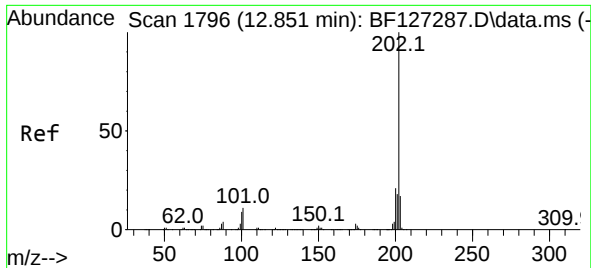
Tgt Ion:202 Resp: 1049204
Ion Ratio Lower Upper
202 100
101 9.3 0.0 35.7
203 17.5 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion:240 Resp: 205290
Ion Ratio Lower Upper
240 100
120 8.6 14.4 21.6#
236 26.1 20.5 30.7

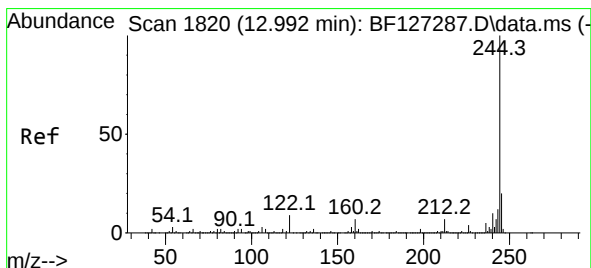
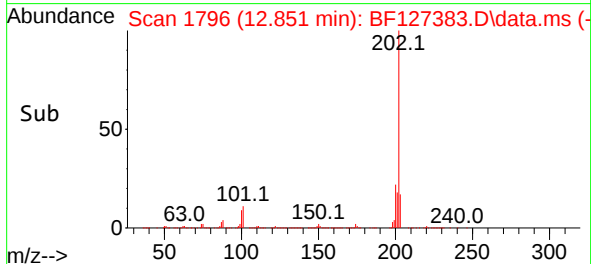
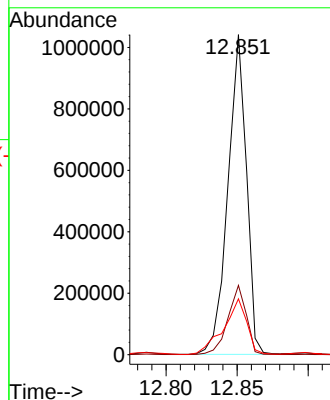
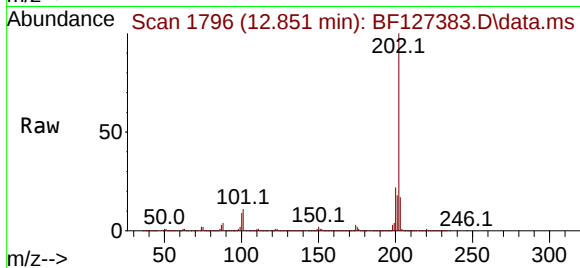




#78
Pyrene
Concen: 59.086 ng
RT: 12.851 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

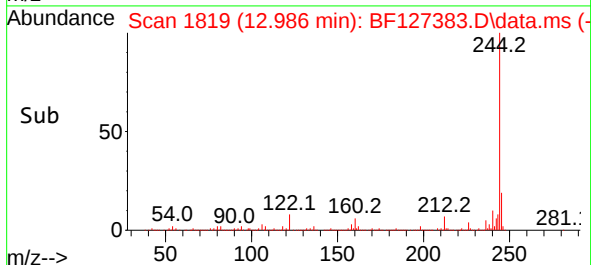
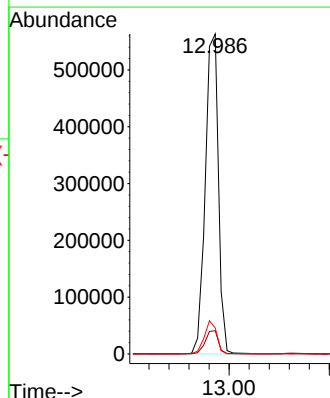
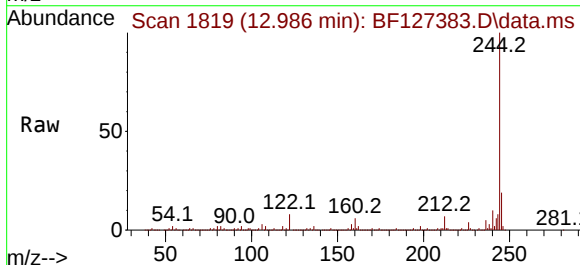
Instrument :
BNA_F
ClientSampleId :
RO-RBR-200033

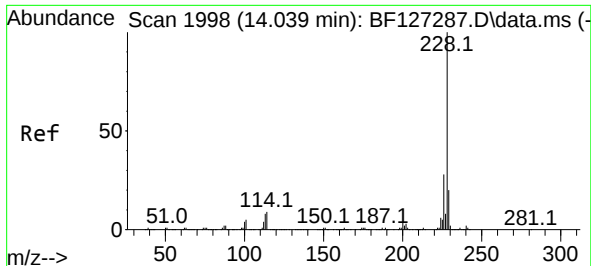
Tgt Ion:202 Resp: 944790
Ion Ratio Lower Upper
202 100
200 21.6 16.6 24.8
203 17.4 13.8 20.8



#79
Terphenyl-d14
Concen: 43.323 ng
RT: 12.986 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion:244 Resp: 516499
Ion Ratio Lower Upper
244 100
212 7.2 5.0 7.4
122 8.1 13.3 19.9#

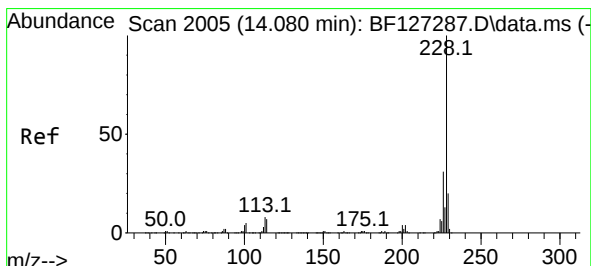
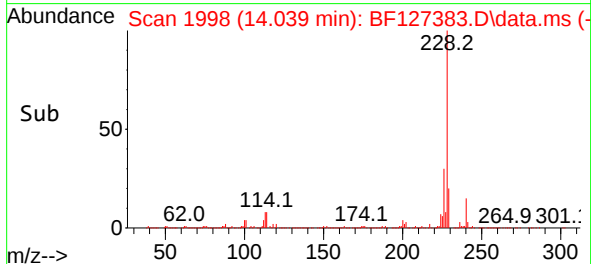
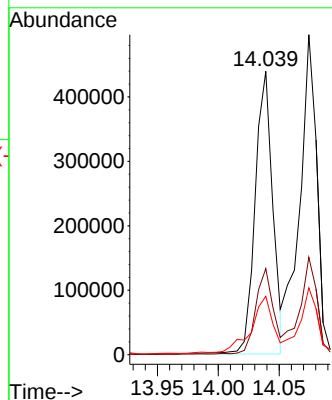
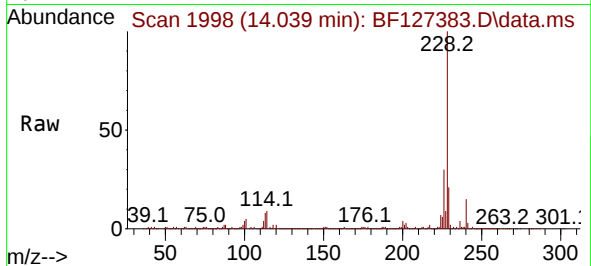




#81
Benzo(a)anthracene
Concen: 31.919 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

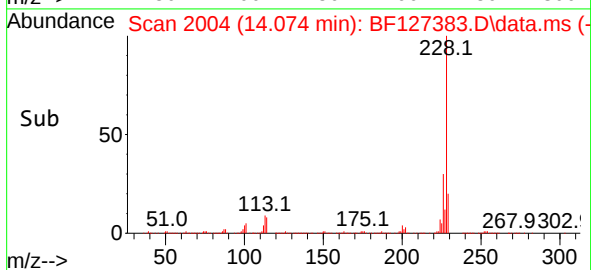
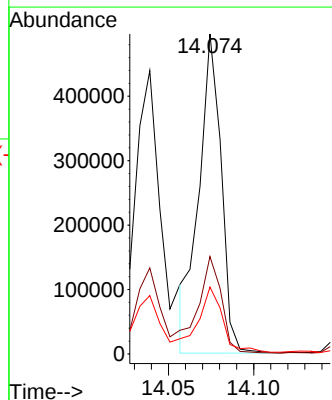
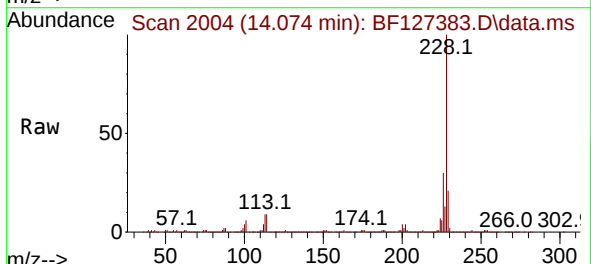
Instrument :
BNA_F
ClientSampleId :
RO-RBR-200033

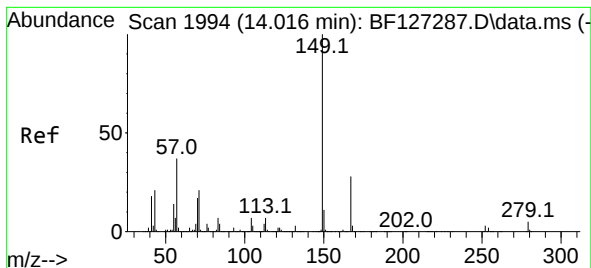
Tgt Ion:228 Resp: 441209
Ion Ratio Lower Upper
228 100
226 30.4 21.4 32.0
229 20.6 15.4 23.2



#83
Chrysene
Concen: 35.086 ng
RT: 14.074 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion:228 Resp: 451086
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 20.9 15.5 23.3

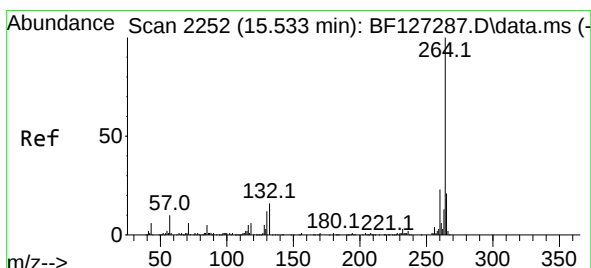
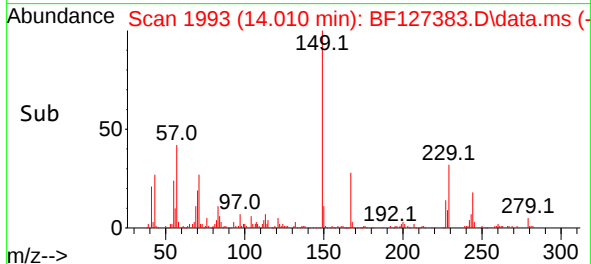
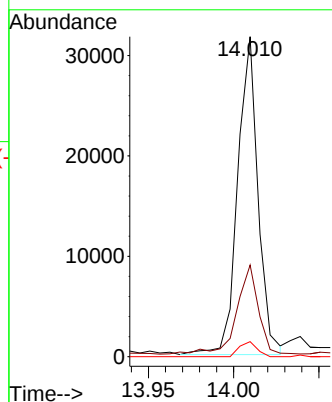
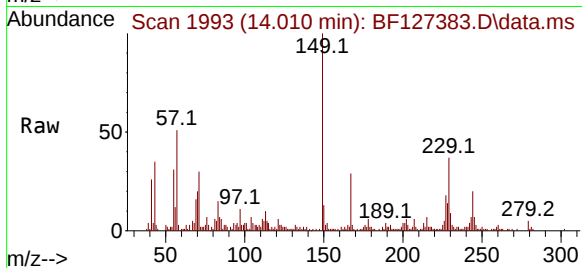




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.186 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

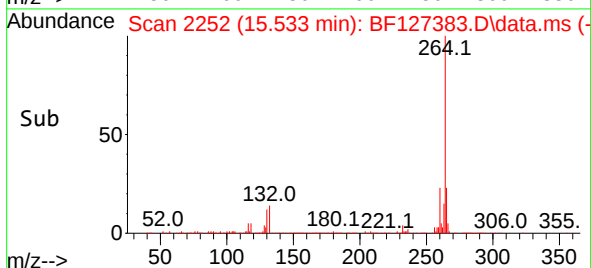
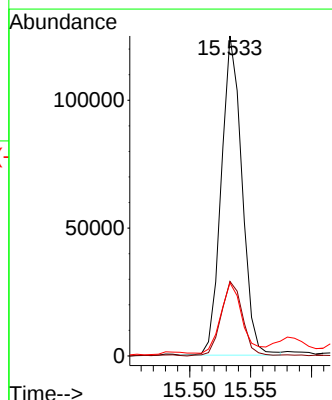
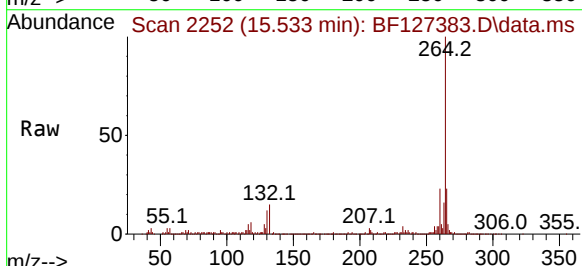
Instrument :
BNA_F
ClientSampleId :
RO-RBR-200033

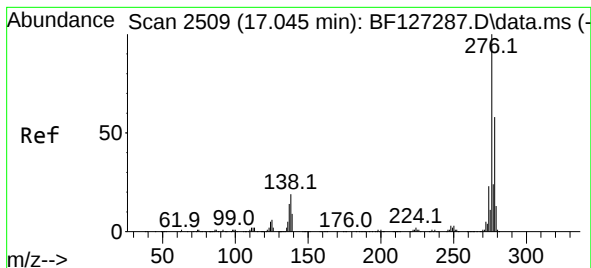
Tgt Ion:149 Resp: 26390
Ion Ratio Lower Upper
149 100
167 28.6 21.4 32.2
279 4.7 2.4 3.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BF127383.D
Acq: 17 Mar 2022 18:43

Tgt Ion:264 Resp: 147823
Ion Ratio Lower Upper
264 100
260 23.3 19.2 28.8
265 22.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.265 ng

RT: 17.039 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127383.D

Acq: 17 Mar 2022 18:43

Instrument :

BNA_F

ClientSampleId :

RO-RBR-200033

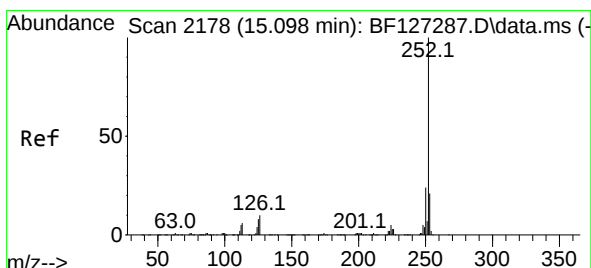
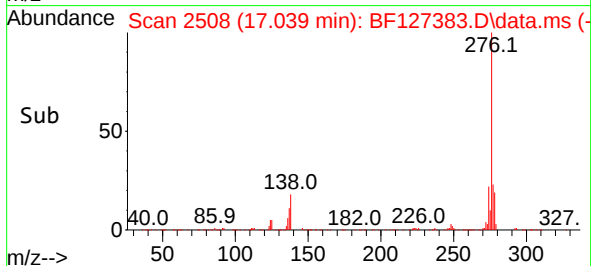
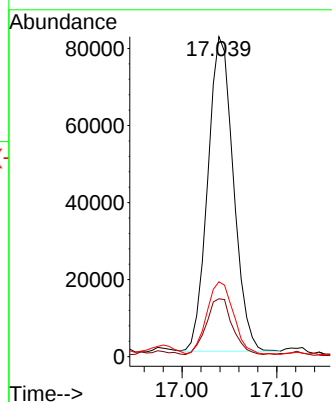
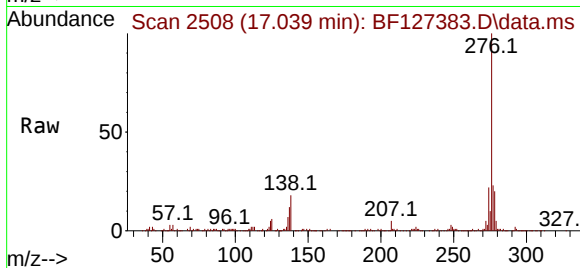
Tgt Ion:276 Resp: 153750

Ion Ratio Lower Upper

276 100

138 18.6 29.2 43.8#

277 24.0 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 64.215 ng

RT: 15.098 min Scan# 2178

Delta R.T. -0.000 min

Lab File: BF127383.D

Acq: 17 Mar 2022 18:43

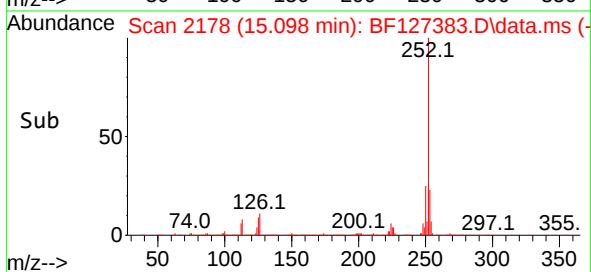
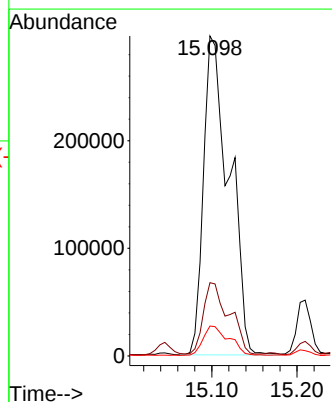
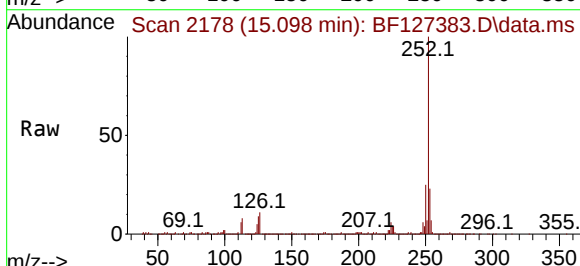
Tgt Ion:252 Resp: 623080

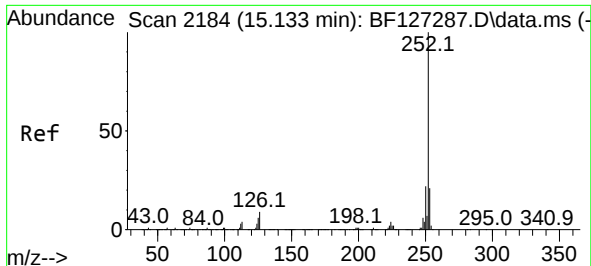
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 9.4 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 68.294 ng

RT: 15.098 min Scan# 2184

Delta R.T. -0.035 min

Lab File: BF127383.D

Acq: 17 Mar 2022 18:43

Instrument :

BNA_F

ClientSampleId :

RO-RBR-200033

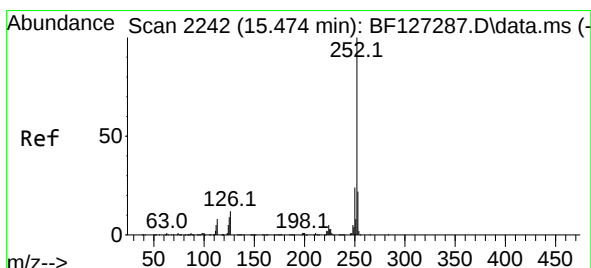
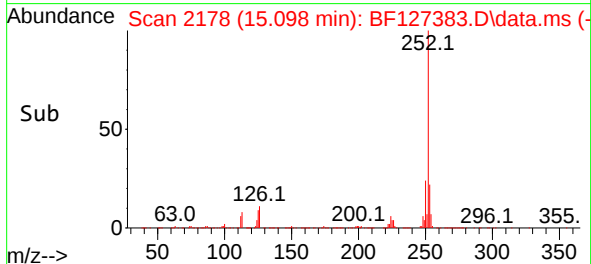
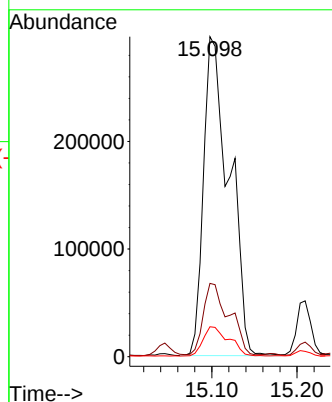
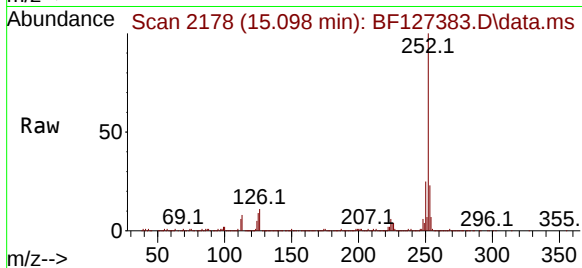
Tgt Ion:252 Resp: 623080

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 9.4 11.8 17.6#



#90

Benzo(a)pyrene

Concen: 37.857 ng

RT: 15.474 min Scan# 2242

Delta R.T. -0.000 min

Lab File: BF127383.D

Acq: 17 Mar 2022 18:43

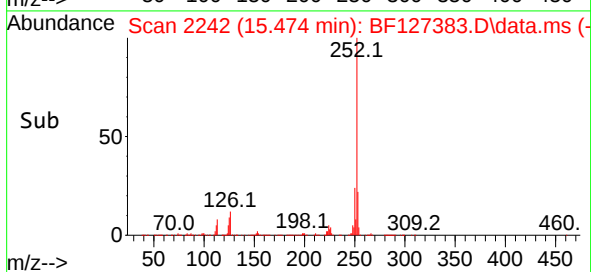
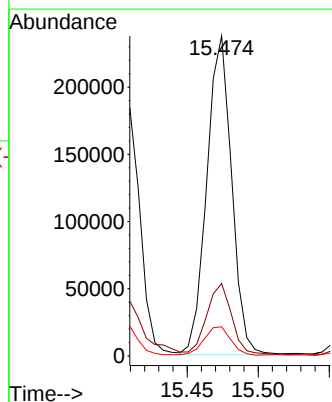
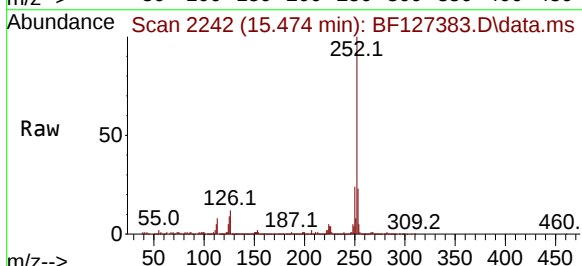
Tgt Ion:252 Resp: 289254

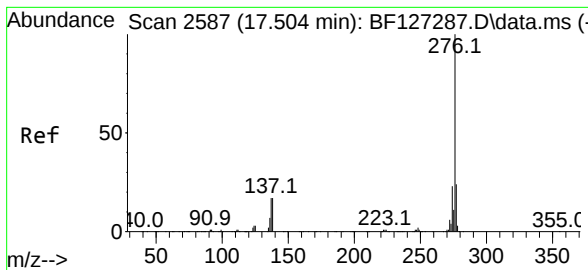
Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

125 9.1 13.0 19.6#





#92

Benzo(g,h,i)perylene

Concen: 20.558 ng

RT: 17.498 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF127383.D

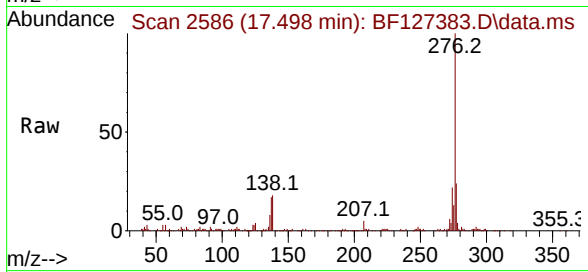
Acq: 17 Mar 2022 18:43

Instrument :

BNA_F

ClientSampleId :

RO-RBR-200033



Tgt Ion:276 Resp: 148627

Ion Ratio Lower Upper

276 100

277 24.2 18.5 27.7

138 18.0 25.9 38.9#

