

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032822\
 Data File : BF127554.D
 Acq On : 28 Mar 2022 21:00
 Operator : CG\JU
 Sample : N2103-07RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200049

Quant Time: Mar 29 07:17:23 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 29 07:13:31 2022
 Response via : Initial Calibration

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

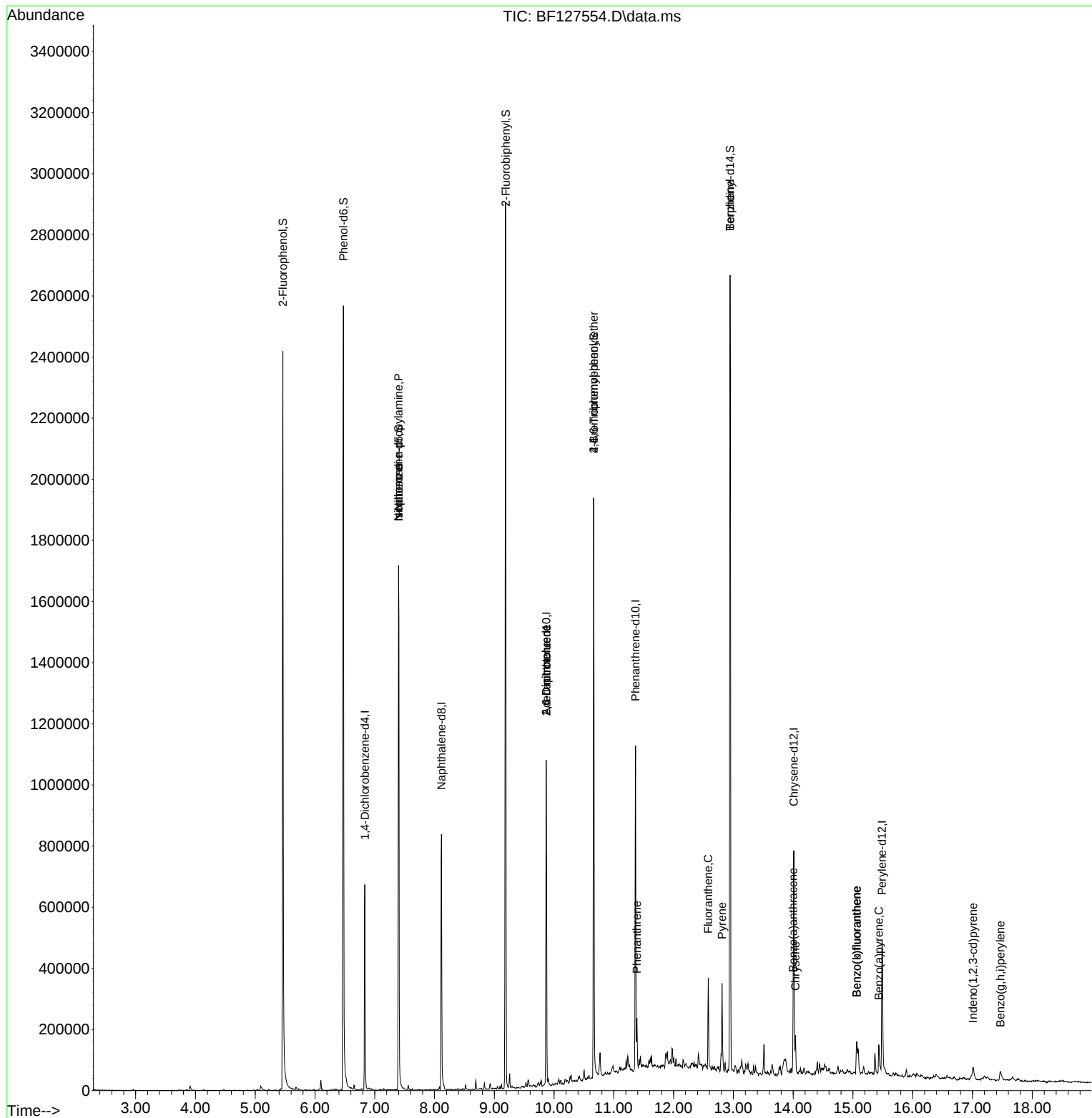
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	96431	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	354564	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	207199	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	359401	20.000	ng	0.00
76) Chrysene-d12	14.010	240	223802	20.000	ng	0.00
86) Perylene-d12	15.486	264	215153	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	616948	102.123	ng	0.00
7) Phenol-d6	6.475	99	825433	99.957	ng	0.00
23) Nitrobenzene-d5	7.398	82	571731	68.927	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	206694	93.645	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	965513	68.044	ng	0.00
79) Terphenyl-d14	12.945	244	952811	69.694	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.475	77	1984	Below Cal	#	18
19) n-Nitroso-di-n-propyla...	7.398	70	77795	15.716	ng	# 79
25) Isophorone	7.398	82	571724	43.276	ng	# 70
51) 2,6-Dinitrotoluene	9.869	165	26485	8.753	ng	# 17
55) Dibenzofuran	10.086	168	4344	Below Cal		97
57) 2,4-Dinitrotoluene	9.869	165	26485	6.800	ng	# 14
58) Fluorene	10.422	166	4164	Below Cal		98
67) 4-Bromophenyl-phenylether	10.663	248	13882	3.308	ng	# 1
71) Phenanthrene	11.386	178	55990	2.988	ng	98
75) Fluoranthene	12.580	202	111212	5.396	ng	98
77) Benzidine	12.945	184	12508	2.344	ng	97
78) Pyrene	12.810	202	106611	5.551	ng	99
81) Benzo(a)anthracene	13.998	228	50249	3.357	ng	97
83) Chrysene	14.039	228	50041	3.531	ng	95
87) Indeno(1,2,3-cd)pyrene	17.009	276	29179	2.004	ng	94
88) Benzo(b)fluoranthene	15.063	252	79007	5.824	ng	# 97
89) Benzo(k)fluoranthene	15.063	252	79007	5.618	ng	# 96
90) Benzo(a)pyrene	15.433	252	43515	3.909	ng	# 95
92) Benzo(g,h,i)perylene	17.468	276	28883	2.325	ng	99

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

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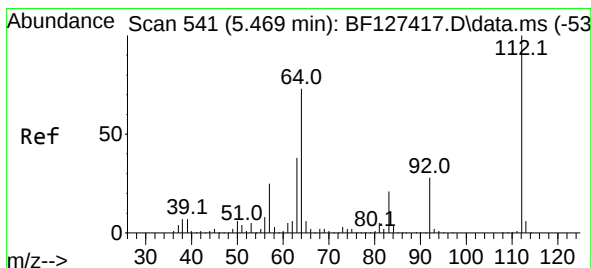
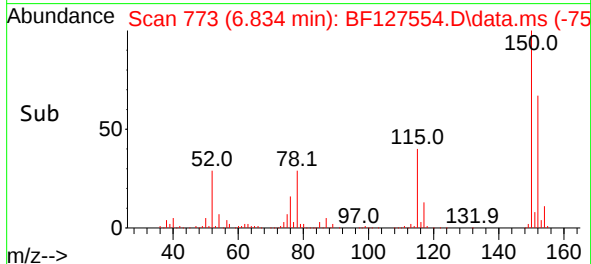
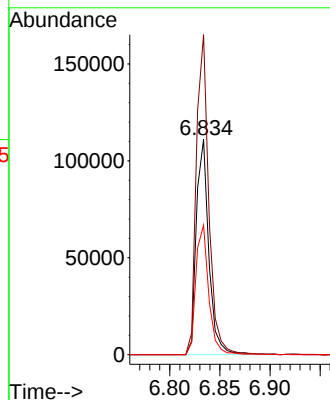
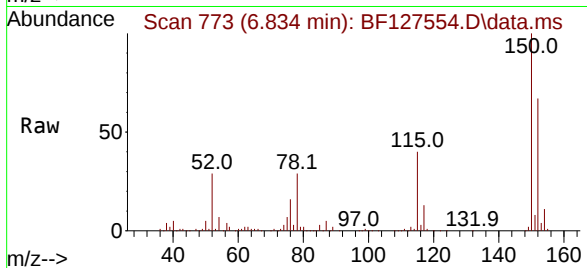




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

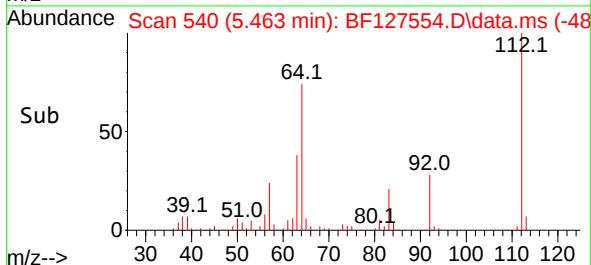
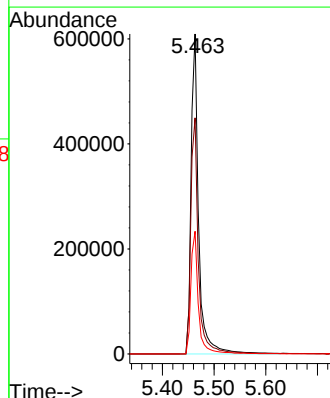
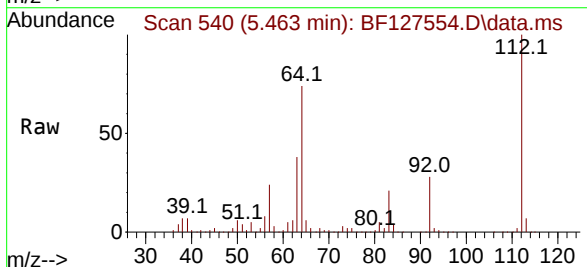
Instrument :
BNA_F
ClientSampleId :
RBR-200049

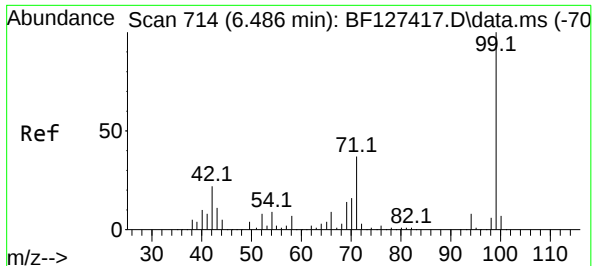
Tgt Ion:152 Resp: 96431
Ion Ratio Lower Upper
152 100
150 148.6 117.2 175.8
115 60.1 49.8 74.6



#5
2-Fluorophenol
Concen: 102.123 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion:112 Resp: 616948
Ion Ratio Lower Upper
112 100
64 73.8 58.4 87.6
63 38.3 30.1 45.1

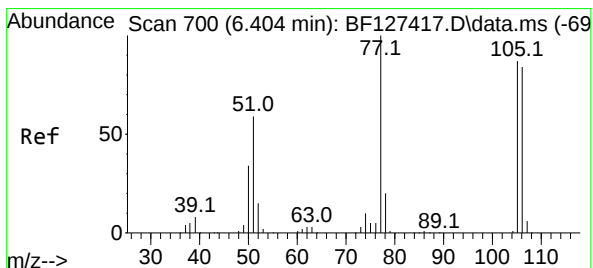
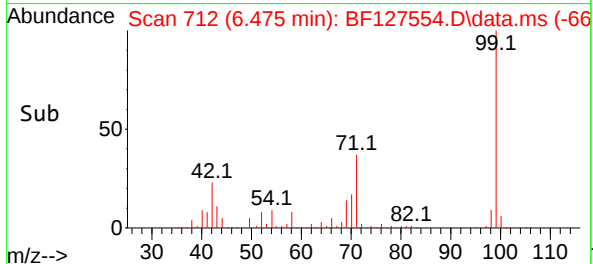
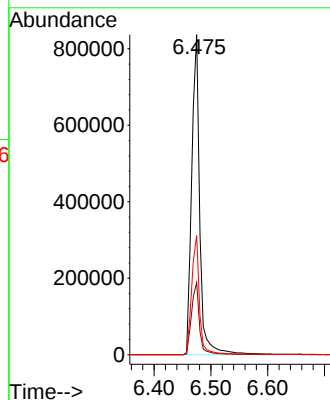
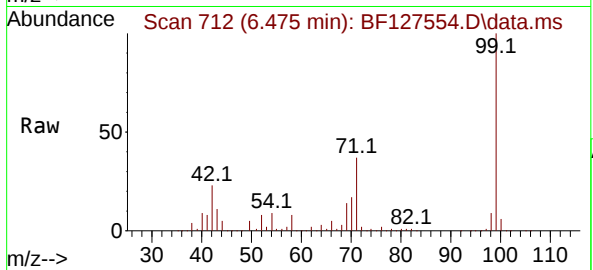




#7
Phenol-d6
Concen: 99.957 ng
RT: 6.475 min Scan# 712
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

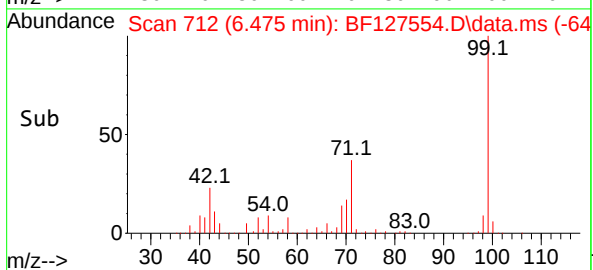
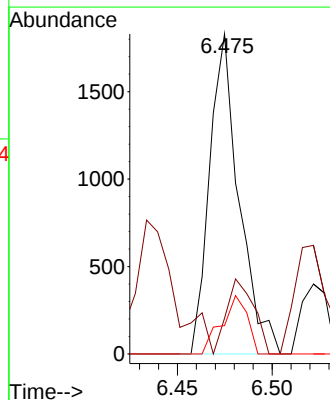
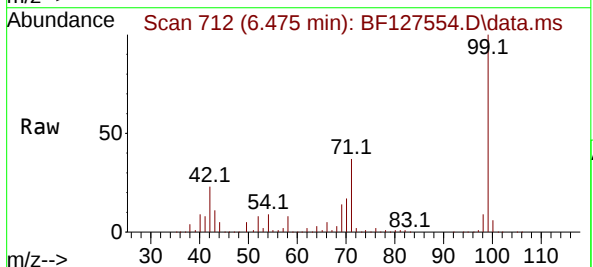
Instrument :
BNA_F
ClientSampleId :
RBR-200049

Tgt Ion: 99 Resp: 825433
Ion Ratio Lower Upper
99 100
42 22.5 17.8 26.6
71 37.2 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.475 min Scan# 712
Delta R.T. 0.083 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion: 77 Resp: 1984
Ion Ratio Lower Upper
77 100
105 11.1 66.8 106.8#
106 8.9 64.3 104.3#





#19

n-Nitroso-di-n-propylamine

Concen: 15.716 ng

RT: 7.398 min Scan# 8

Delta R.T. 0.147 min

Lab File: BF127554.D

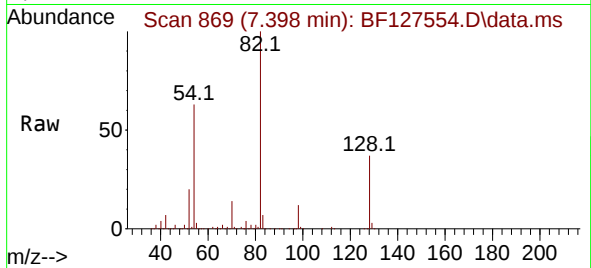
Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

RBR-200049



Tgt Ion: 70 Resp: 77795

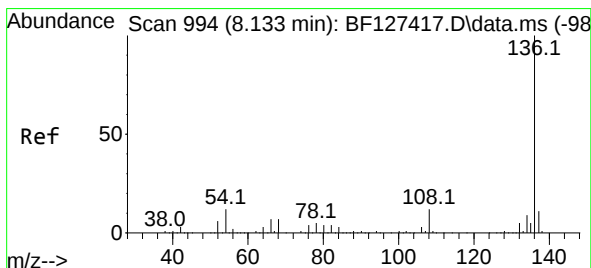
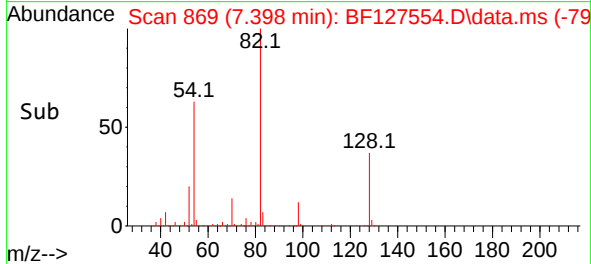
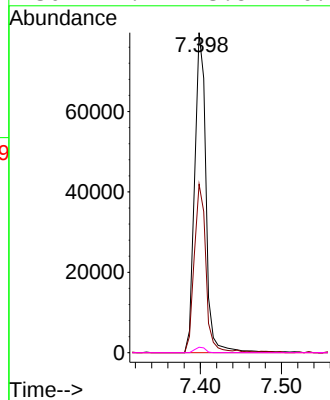
Ion Ratio Lower Upper

70 100

42 52.6 53.0 79.6#

101 0.0 6.8 10.2#

130 1.7 13.8 20.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 991

Delta R.T. 0.000 min

Lab File: BF127554.D

Acq: 28 Mar 2022 21:00

Tgt Ion: 136 Resp: 354564

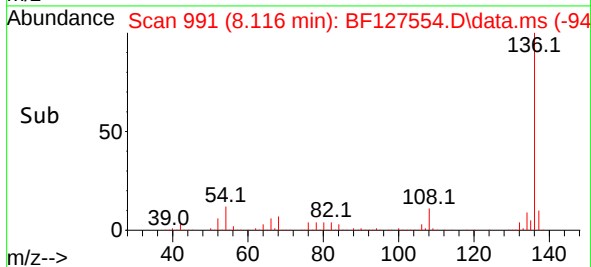
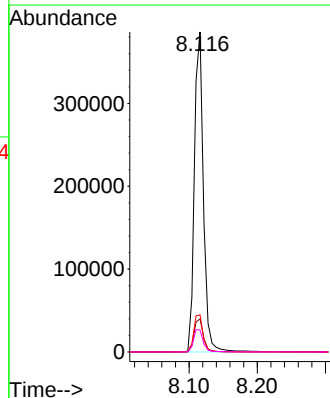
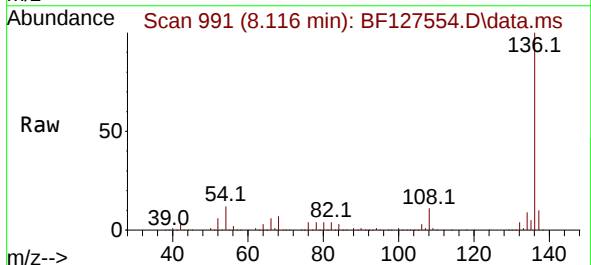
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 11.6 9.2 13.8

68 6.8 5.4 8.0

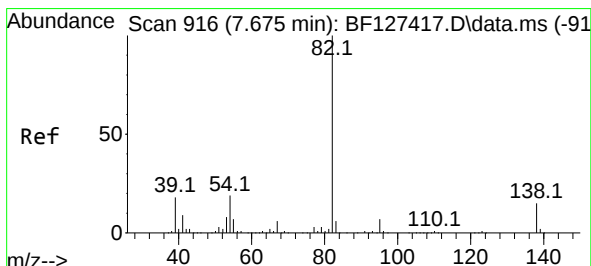
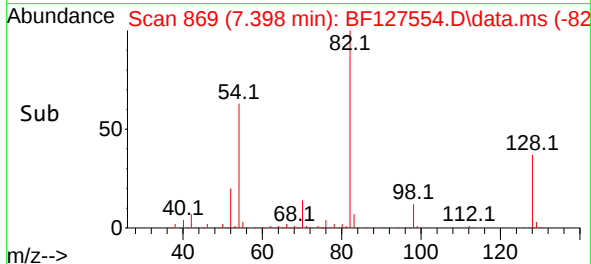
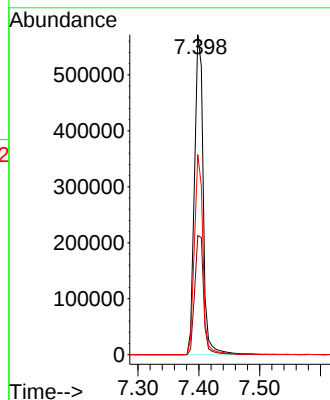
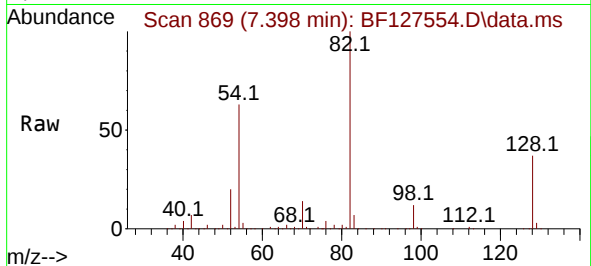




#23
Nitrobenzene-d5
Concen: 68.927 ng
RT: 7.398 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

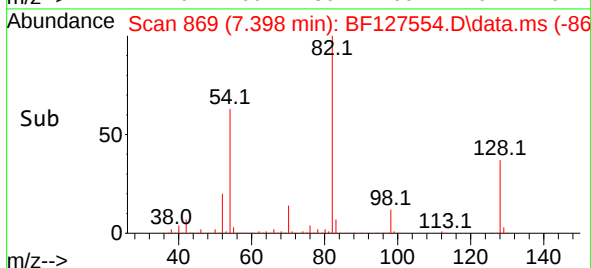
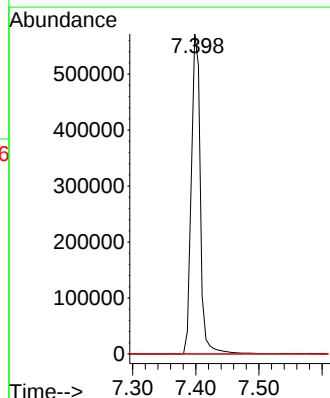
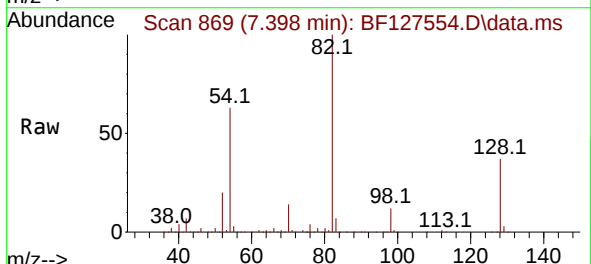
Instrument :
BNA_F
ClientSampleId :
RBR-200049

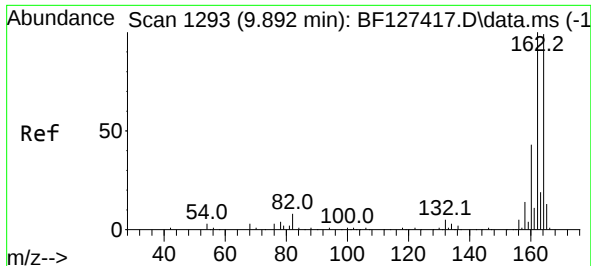
Tgt Ion: 82 Resp: 571731
Ion Ratio Lower Upper
82 100
128 37.2 30.6 45.8
54 62.6 48.2 72.2



#25
Isophorone
Concen: 43.276 ng
RT: 7.398 min Scan# 869
Delta R.T. -0.265 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion: 82 Resp: 571724
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1289

Delta R.T. -0.006 min

Lab File: BF127554.D

Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

RBR-200049

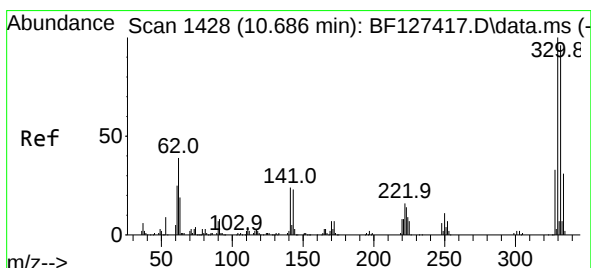
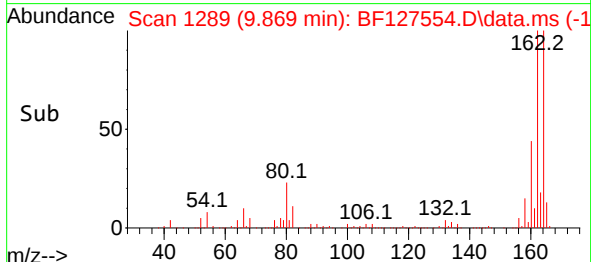
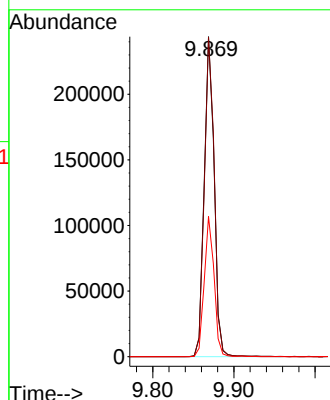
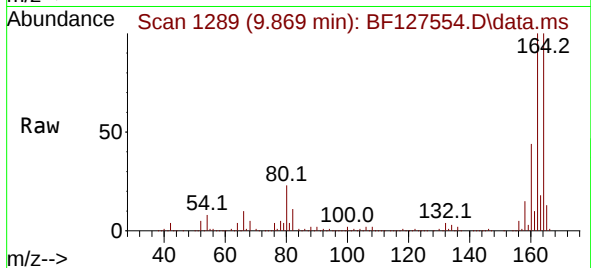
Tgt Ion:164 Resp: 207199

Ion Ratio Lower Upper

164 100

162 99.8 81.2 121.8

160 43.8 34.6 52.0



#42

2,4,6-Tribromophenol

Concen: 93.645 ng

RT: 10.663 min Scan# 1424

Delta R.T. -0.006 min

Lab File: BF127554.D

Acq: 28 Mar 2022 21:00

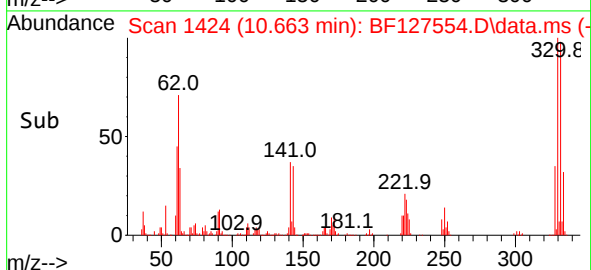
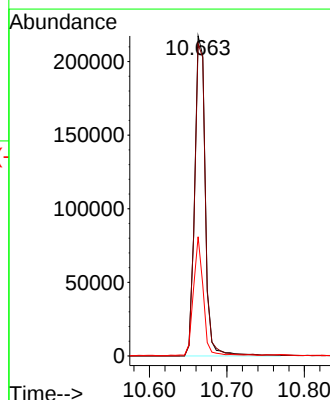
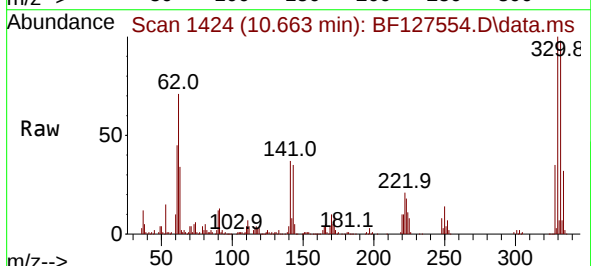
Tgt Ion:330 Resp: 206694

Ion Ratio Lower Upper

330 100

332 98.8 79.1 118.7

141 34.5 26.2 39.4

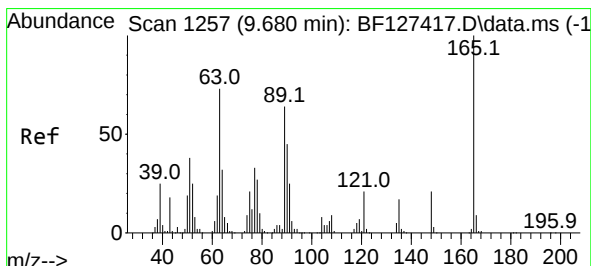
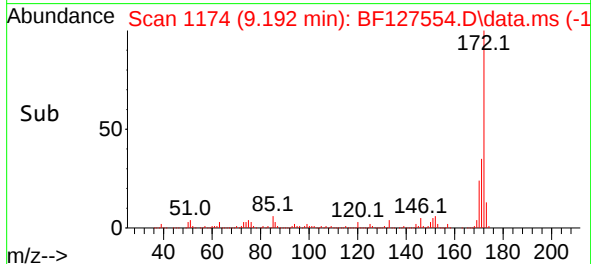
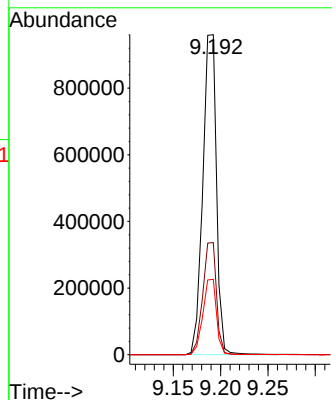
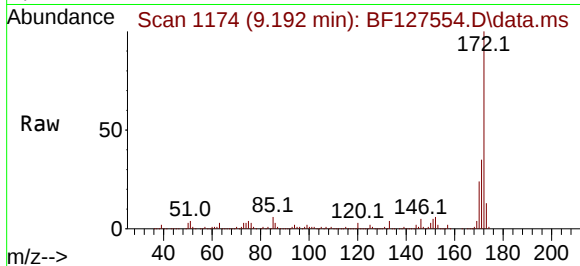




#45
2-Fluorobiphenyl
Concen: 68.044 ng
RT: 9.192 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

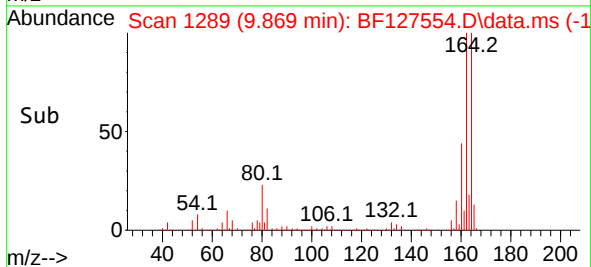
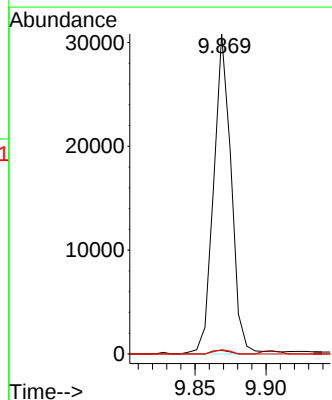
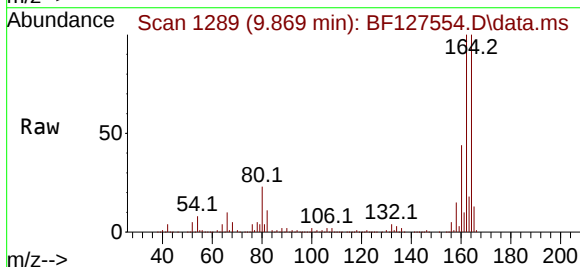
Instrument :
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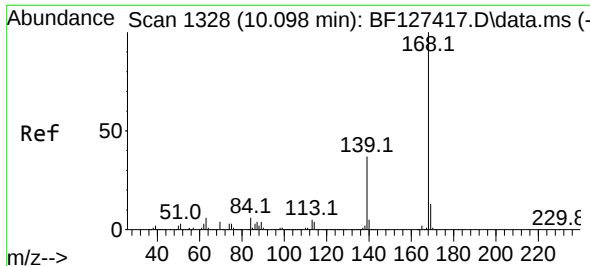
Tgt Ion:172 Resp: 965513
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.753 ng
RT: 9.869 min Scan# 1289
Delta R.T. 0.200 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion:165 Resp: 26485
Ion Ratio Lower Upper
165 100
63 1.1 58.3 87.5#
89 1.3 51.5 77.3#

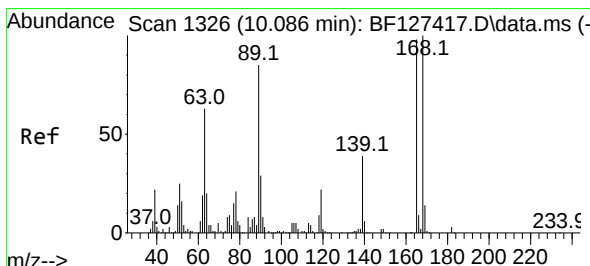
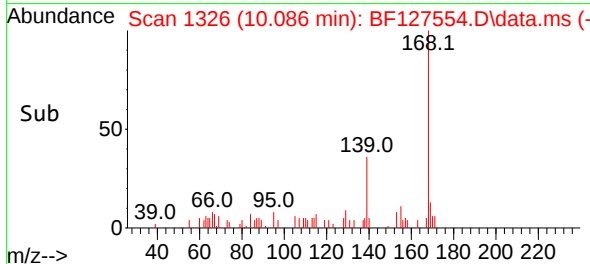
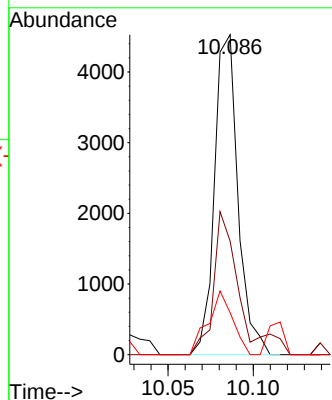
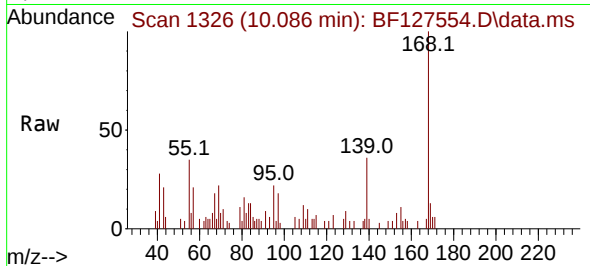




#55
Dibenzenofuran
Concen: Below Cal
RT: 10.086 min Scan# 111
Delta R.T. 0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

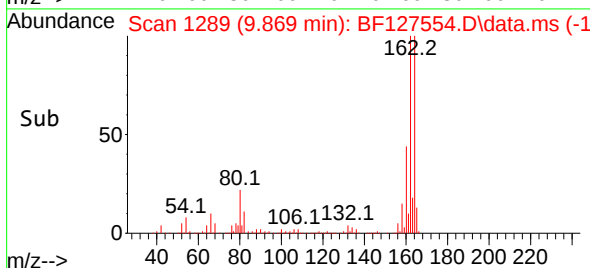
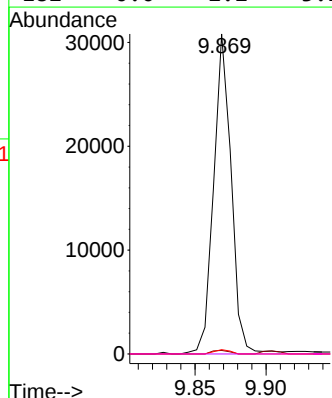
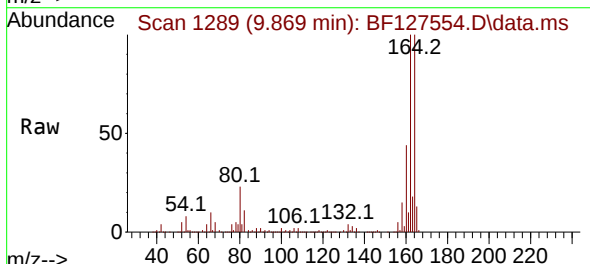
Instrument :
BNA_F
ClientSampleId :
RBR-200049

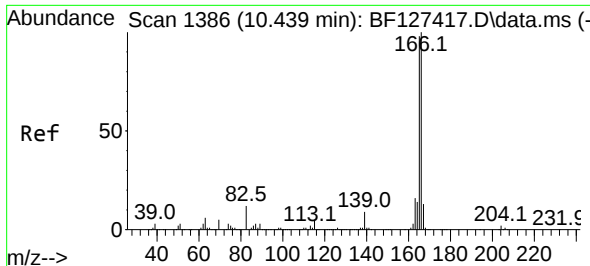
Tgt Ion:168 Resp: 4344
Ion Ratio Lower Upper
168 100
139 35.5 30.3 45.5
169 13.1 10.8 16.2



#57
2,4-Dinitrotoluene
Concen: 6.800 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.206 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion:165 Resp: 26485
Ion Ratio Lower Upper
165 100
63 1.1 53.1 79.7#
89 1.3 69.2 103.8#
182 0.0 2.2 3.2#

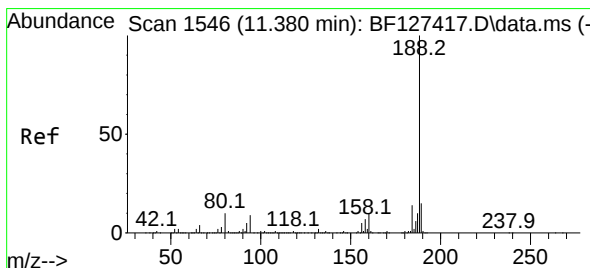
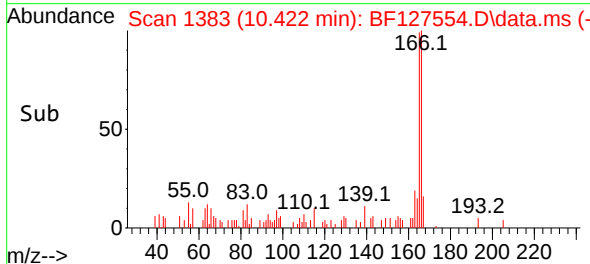
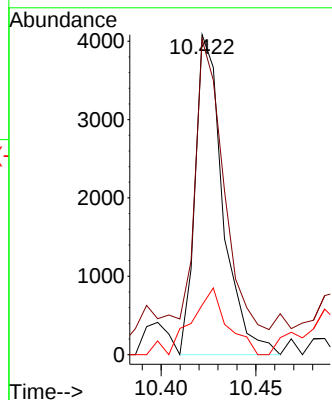
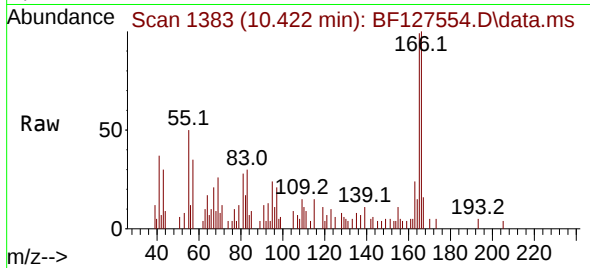




#58
Fluorene
Concen: Below Cal
RT: 10.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

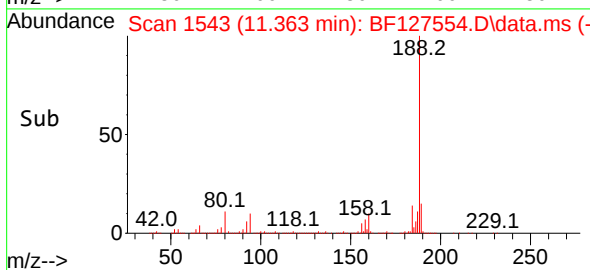
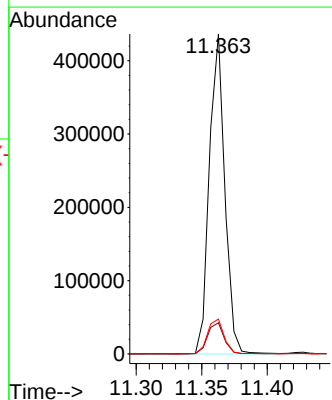
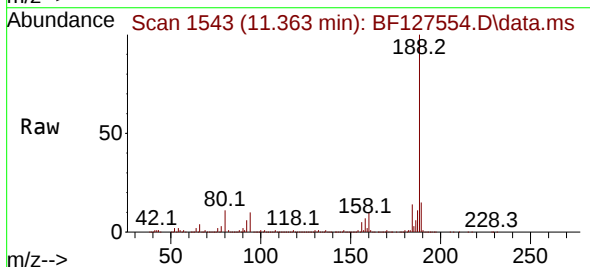
Instrument :
BNA_F
ClientSampleId :
RBR-200049

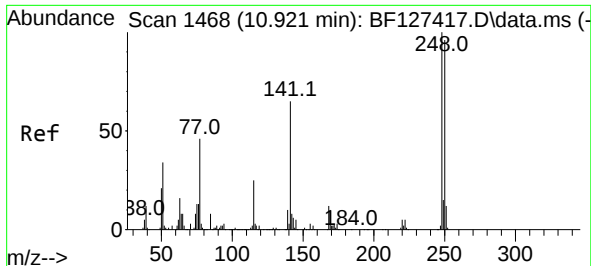
Tgt Ion:166 Resp: 4164
Ion Ratio Lower Upper
166 100
165 98.6 78.1 117.1
167 15.5 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1543
Delta R.T. 0.000 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion:188 Resp: 359401
Ion Ratio Lower Upper
188 100
94 9.8 7.4 11.0
80 10.9 8.0 12.0

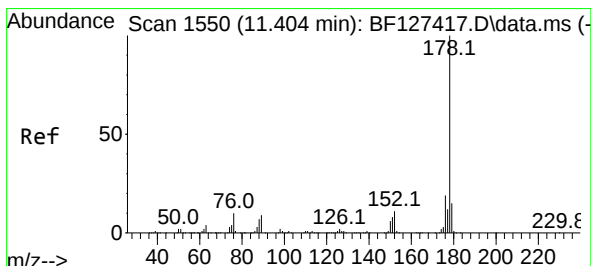
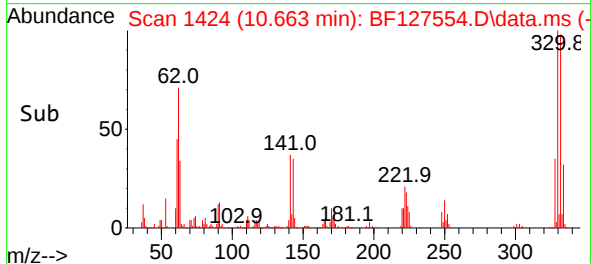
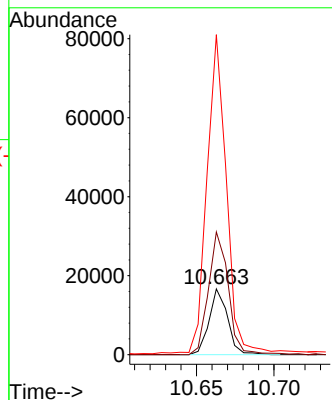
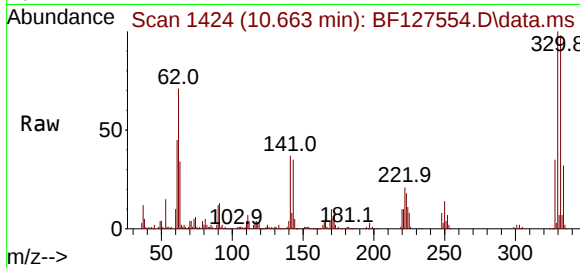




#67
4-Bromophenyl-phenylether
Concen: 3.308 ng
RT: 10.663 min Scan# 1468
Delta R.T. -0.241 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

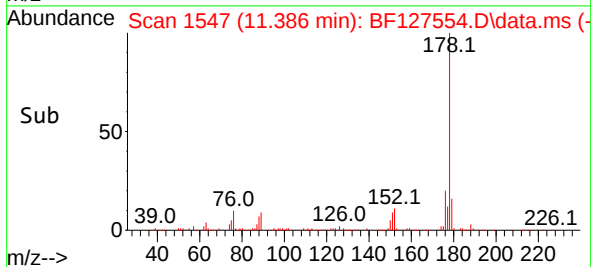
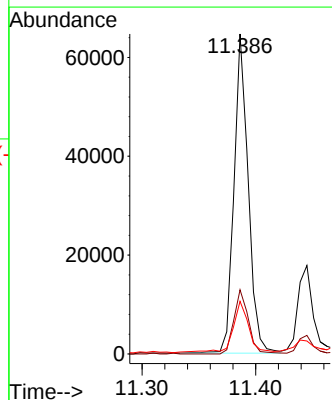
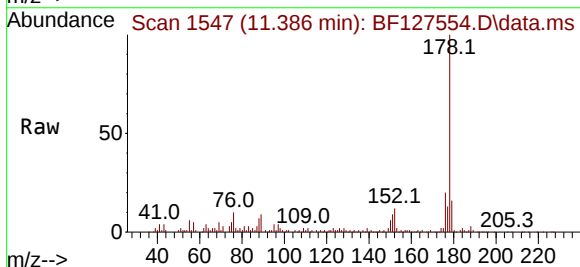
Instrument :
BNA_F
ClientSampleId :
RBR-200049

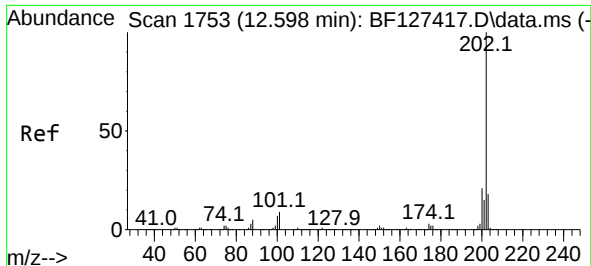
Tgt Ion:248 Resp: 13882
Ion Ratio Lower Upper
248 100
250 186.8 76.6 115.0#
141 486.8 52.2 78.2#



#71
Phenanthrene
Concen: 2.988 ng
RT: 11.386 min Scan# 1547
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion:178 Resp: 55990
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.2
179 16.5 12.4 18.6

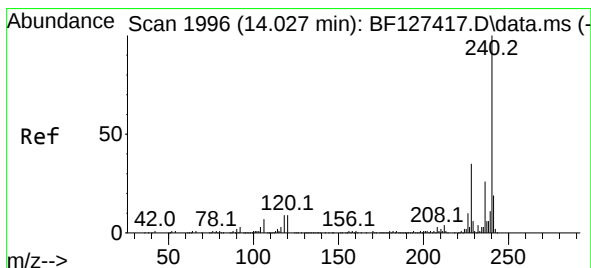
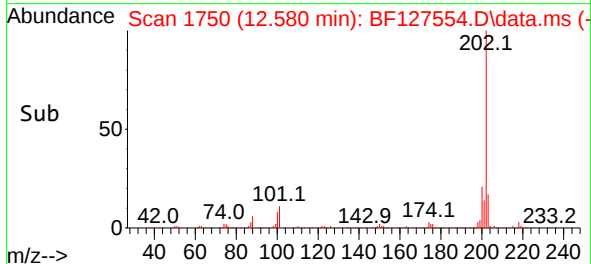
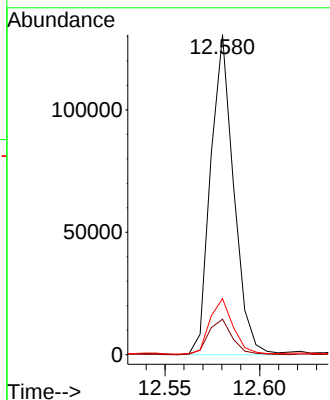
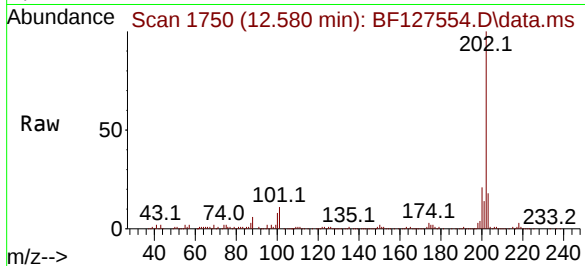




#75
Fluoranthene
Concen: 5.396 ng
RT: 12.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

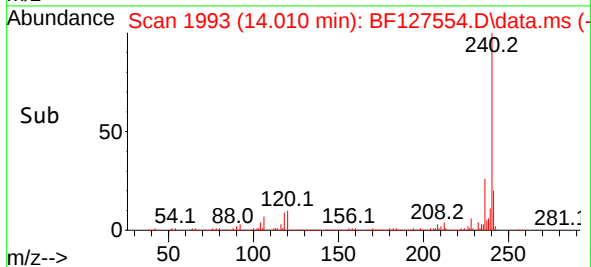
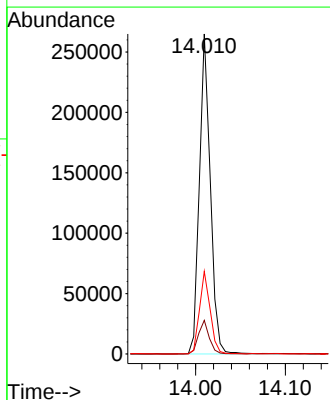
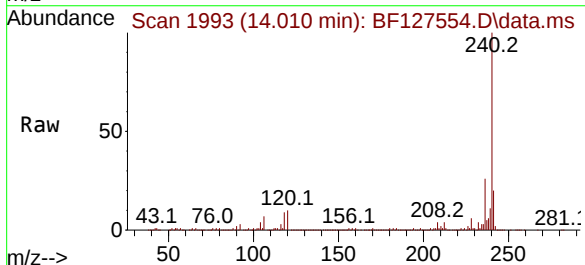
Instrument :
BNA_F
ClientSampleId :
RBR-200049

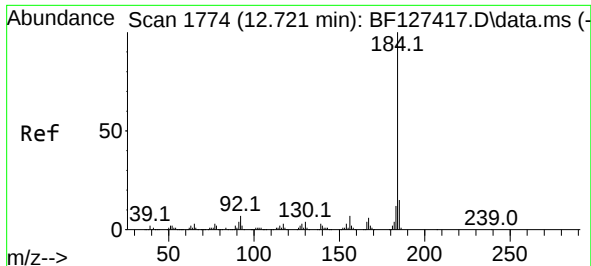
Tgt Ion:202 Resp: 111212
Ion Ratio Lower Upper
202 100
101 11.1 0.0 29.0
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion:240 Resp: 223802
Ion Ratio Lower Upper
240 100
120 10.5 7.1 10.7
236 25.8 20.7 31.1

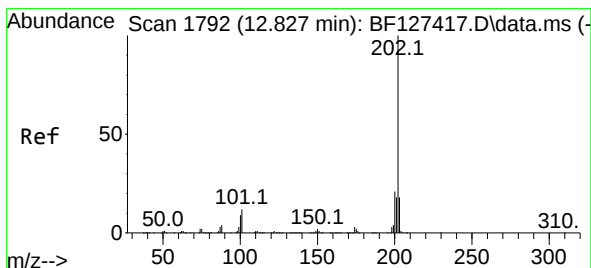
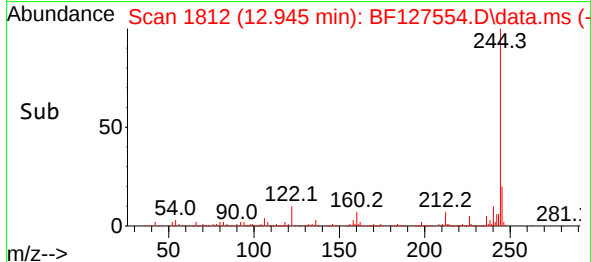
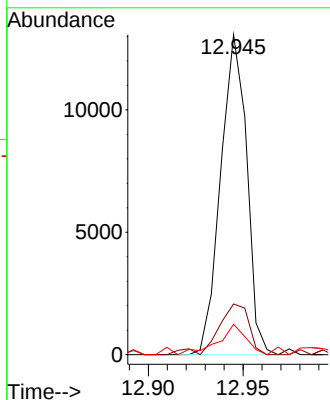
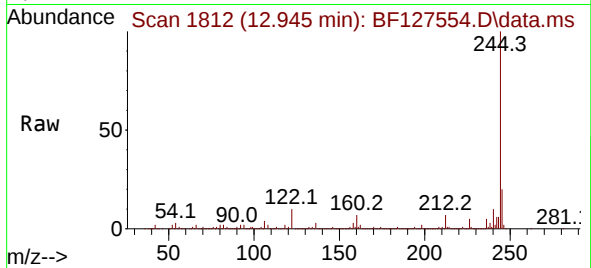




#77
Benzidine
Concen: 2.344 ng
RT: 12.945 min Scan# 1812
Delta R.T. 0.235 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

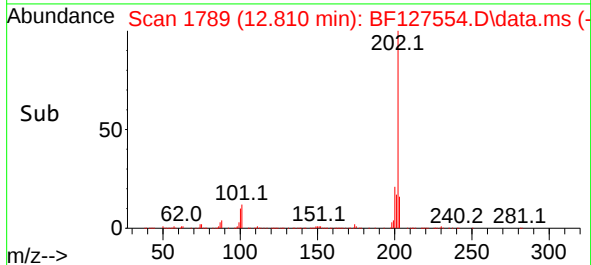
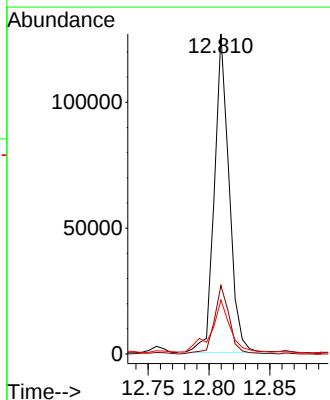
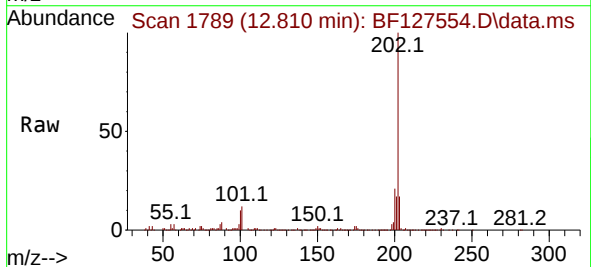
Instrument :
BNA_F
ClientSampleId :
RBR-200049

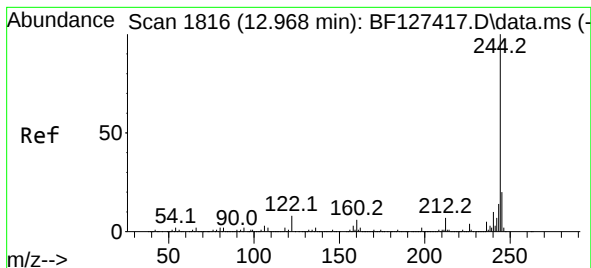
Tgt Ion:184 Resp: 12508
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.2
183 9.5 9.4 14.0



#78
Pyrene
Concen: 5.551 ng
RT: 12.810 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF127554.D
Acq: 28 Mar 2022 21:00

Tgt Ion:202 Resp: 106611
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 16.8 14.3 21.5





#79

Terphenyl-d14

Concen: 69.694 ng

RT: 12.945 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF127554.D

Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

RBR-200049

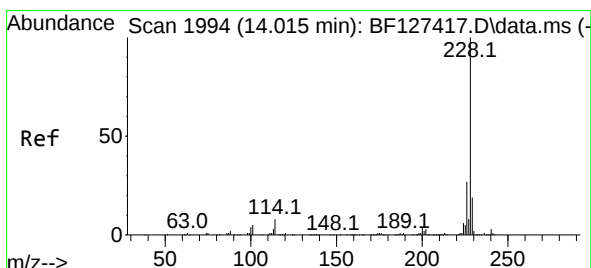
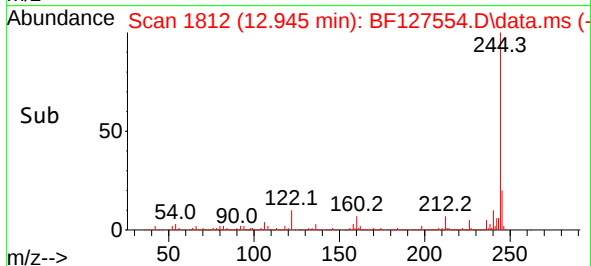
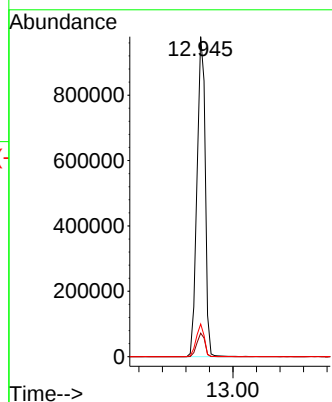
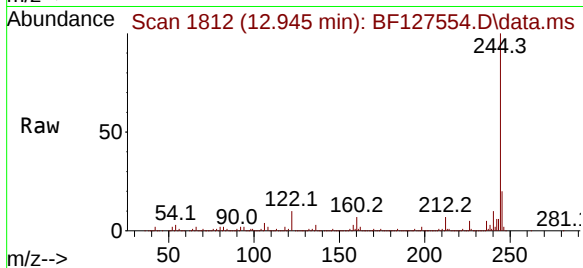
Tgt Ion:244 Resp: 952811

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

122 10.2 6.2 9.2#



#81

Benzo(a)anthracene

Concen: 3.357 ng

RT: 13.998 min Scan# 1991

Delta R.T. -0.006 min

Lab File: BF127554.D

Acq: 28 Mar 2022 21:00

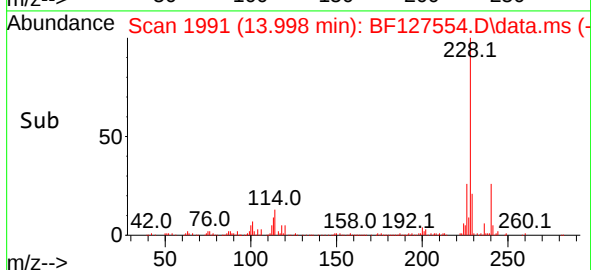
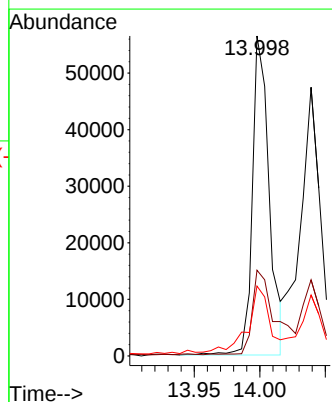
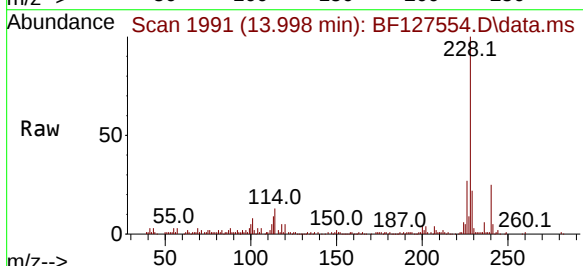
Tgt Ion:228 Resp: 50249

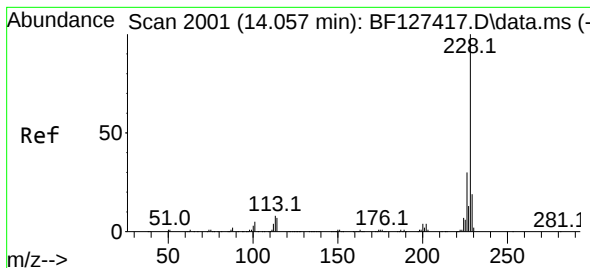
Ion Ratio Lower Upper

228 100

226 26.8 21.6 32.4

229 21.9 15.4 23.2





#83

Chrysene

Concen: 3.531 ng

RT: 14.039 min Scan# 1998

Delta R.T. 0.000 min

Lab File: BF127554.D

Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

RBR-200049

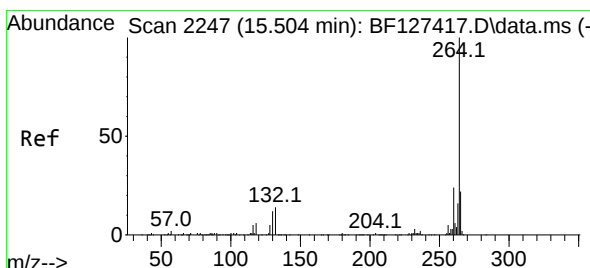
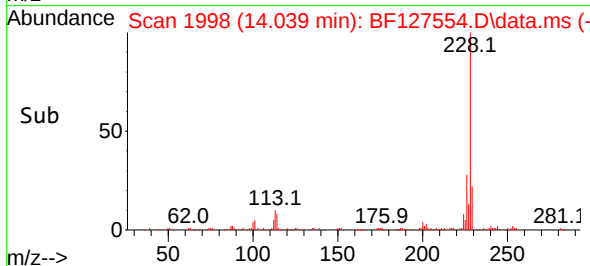
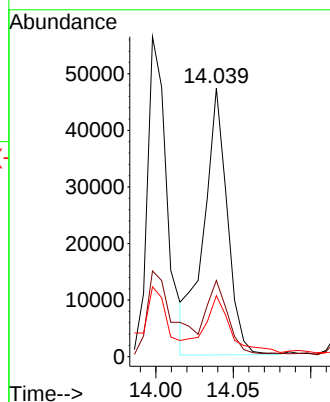
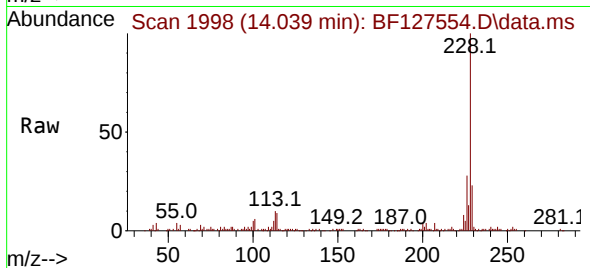
Tgt Ion:228 Resp: 50041

Ion Ratio Lower Upper

228 100

226 28.3 24.2 36.4

229 22.7 15.4 23.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 2244

Delta R.T. -0.006 min

Lab File: BF127554.D

Acq: 28 Mar 2022 21:00

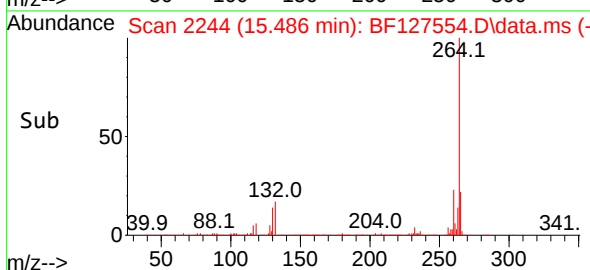
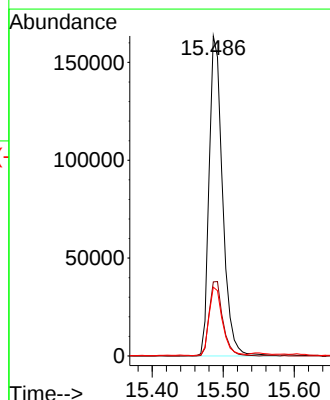
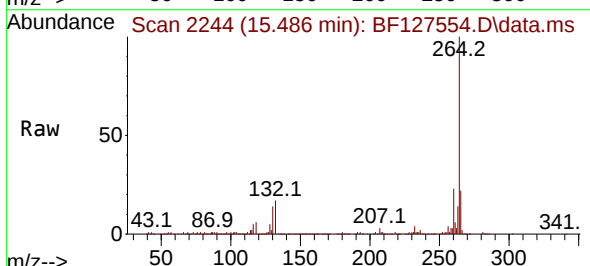
Tgt Ion:264 Resp: 215153

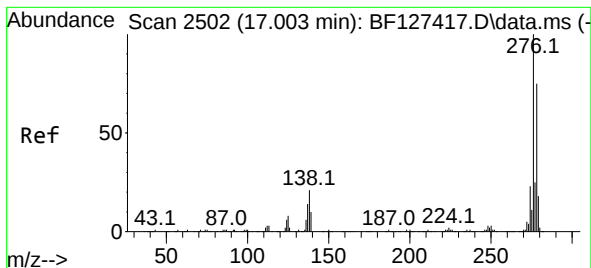
Ion Ratio Lower Upper

264 100

260 23.2 19.1 28.7

265 21.5 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.004 ng

RT: 17.009 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF127554.D

Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

RBR-200049

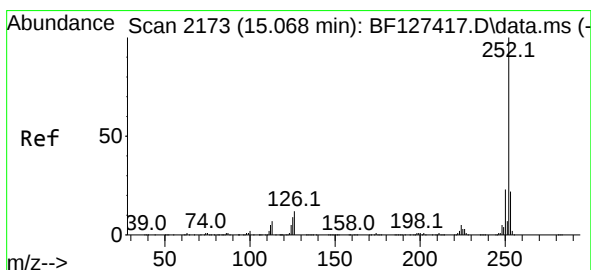
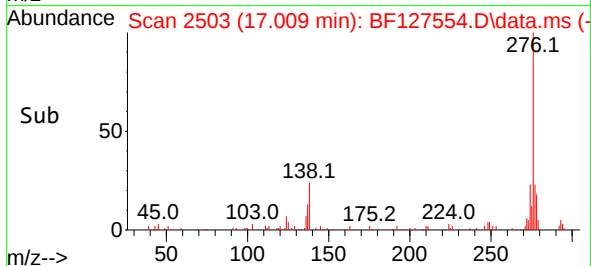
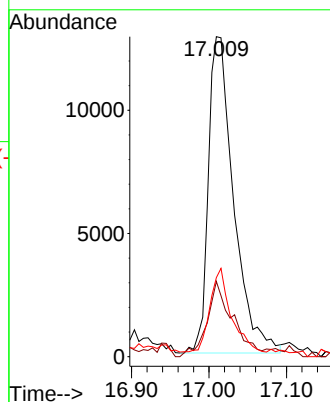
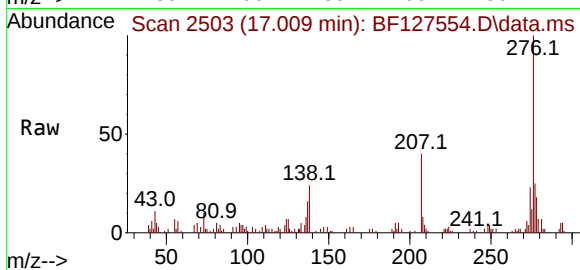
Tgt Ion:276 Resp: 29179

Ion Ratio Lower Upper

276 100

138 24.1 17.1 25.7

277 21.7 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 5.824 ng

RT: 15.063 min Scan# 2172

Delta R.T. 0.006 min

Lab File: BF127554.D

Acq: 28 Mar 2022 21:00

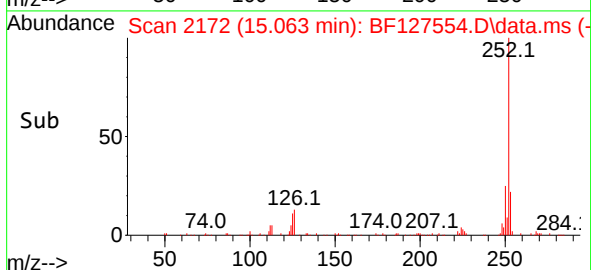
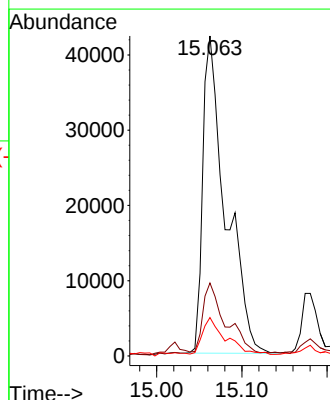
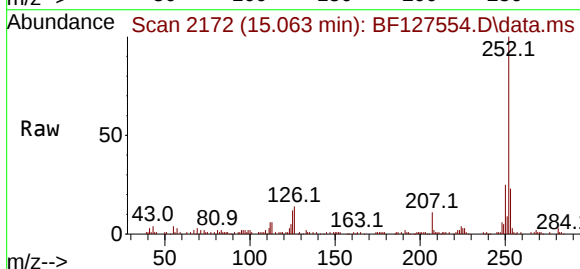
Tgt Ion:252 Resp: 79007

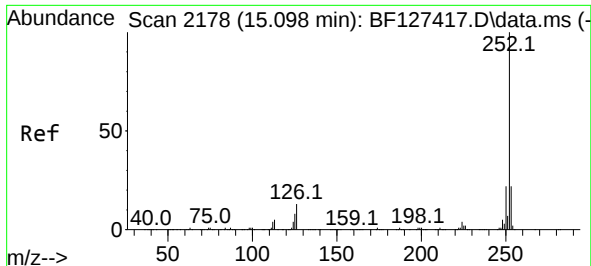
Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

125 12.0 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 5.618 ng

RT: 15.063 min Scan# 2172

Delta R.T. -0.023 min

Lab File: BF127554.D

Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

RBR-200049

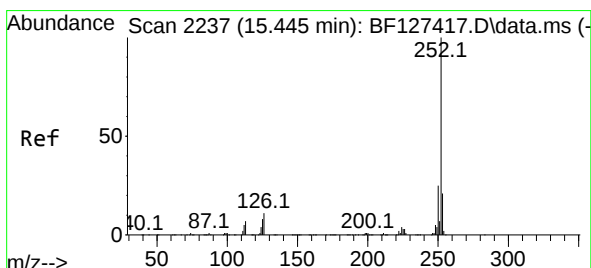
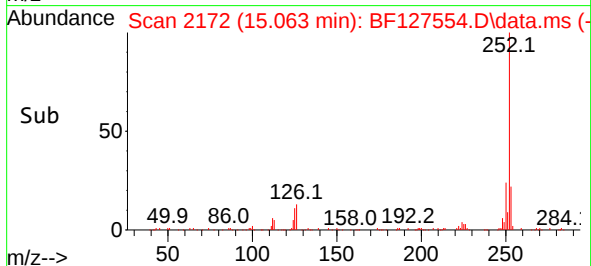
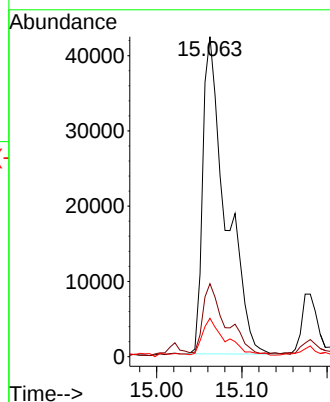
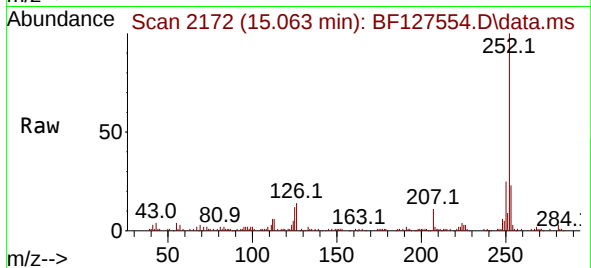
Tgt Ion:252 Resp: 79007

Ion Ratio Lower Upper

252 100

253 22.8 17.3 25.9

125 12.0 6.9 10.3#



#90

Benzo(a)pyrene

Concen: 3.909 ng

RT: 15.433 min Scan# 2235

Delta R.T. 0.006 min

Lab File: BF127554.D

Acq: 28 Mar 2022 21:00

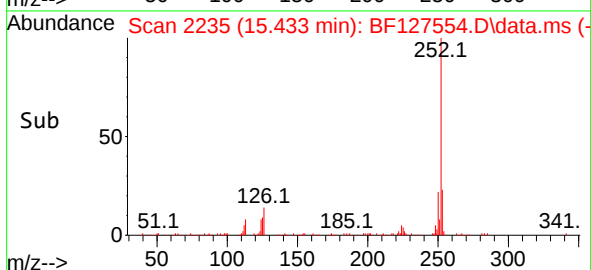
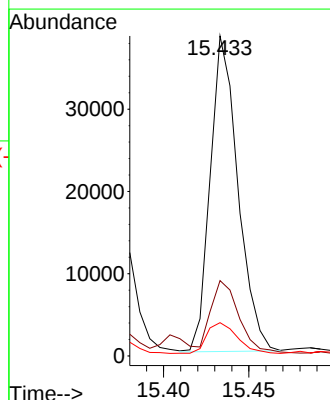
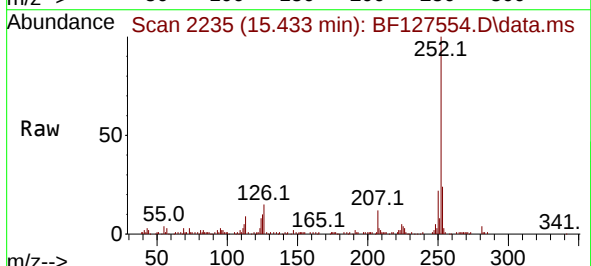
Tgt Ion:252 Resp: 43515

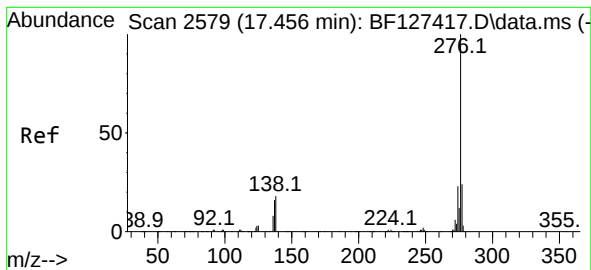
Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

125 10.4 6.7 10.1#





#92

Benzo(g,h,i)perylene

Concen: 2.325 ng

RT: 17.468 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF127554.D

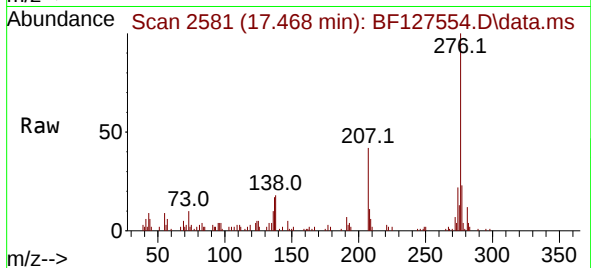
Acq: 28 Mar 2022 21:00

Instrument :

BNA_F

ClientSampleId :

RBR-200049



Tgt Ion:276 Resp: 28883

Ion Ratio Lower Upper

276 100

277 22.8 19.0 28.4

138 17.8 14.6 22.0

