

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
 Data File : BF132589.D
 Acq On : 01 Mar 2023 14:04
 Operator : CG\JU
 Sample : 01724-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR53-VNJ201

Quant Time: Mar 02 03:16:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

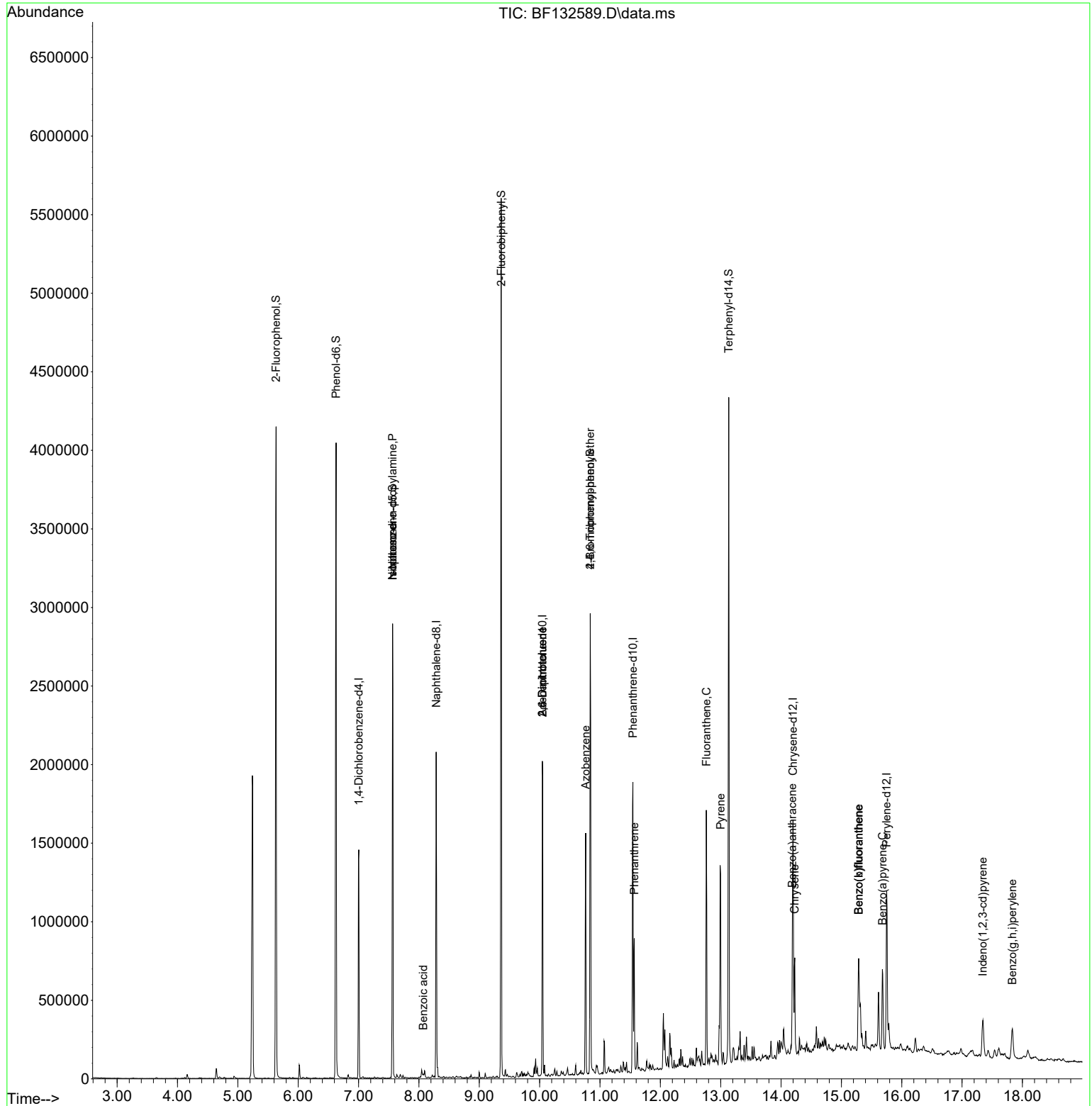
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.004	152	225398	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	827224	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	426402	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	713698	20.000	ng	0.00
76) Chrysene-d12	14.198	240	414593	20.000	ng	# 0.00
86) Perylene-d12	15.751	264	490086	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	1187916	85.535	ng	0.00
7) Phenol-d6	6.628	99	1509071	83.259	ng	0.00
23) Nitrobenzene-d5	7.563	82	974386	55.885	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	354375	76.955	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	1589305	56.753	ng	0.00
79) Terphenyl-d14	13.133	244	1456995	59.418	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	127399	11.421	ng	# 77
25) Isophorone	7.563	82	974375	29.148	ng	# 67
32) Benzoic acid	8.075	122	515	3.882	ng	# 35
51) 2,6-Dinitrotoluene	10.045	165	55945	7.912	ng	# 22
57) 2,4-Dinitrotoluene	10.045	165	55945	5.947	ng	# 21
63) Azobenzene	10.763	77	264295	8.230	ng	# 1
67) 4-Bromophenyl-phenylether	10.839	248	23327	2.889	ng	# 1
71) Phenanthrene	11.569	178	315342	8.529	ng	97
75) Fluoranthene	12.763	202	590442	14.608	ng	99
78) Pyrene	12.998	202	549858	14.587	ng	98
81) Benzo(a)anthracene	14.186	228	273996	8.833	ng	97
83) Chrysene	14.227	228	254317	8.767	ng	97
87) Indeno(1,2,3-cd)pyrene	17.345	276	169956	5.292	ng	98
88) Benzo(b)fluoranthene	15.286	252	479742	14.607	ng	# 95
89) Benzo(k)fluoranthene	15.286	252	479742	14.925	ng	# 95
90) Benzo(a)pyrene	15.680	252	273071	8.884	ng	97
92) Benzo(g,h,i)perylene	17.833	276	169710	7.161	ng	98

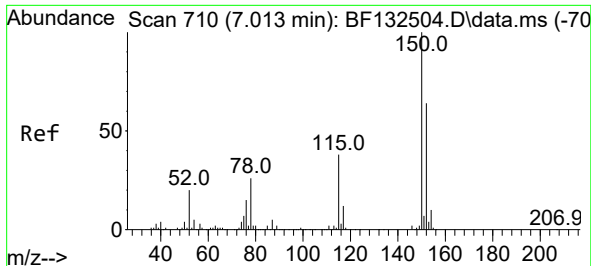
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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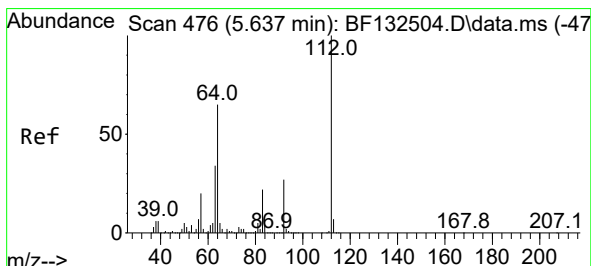
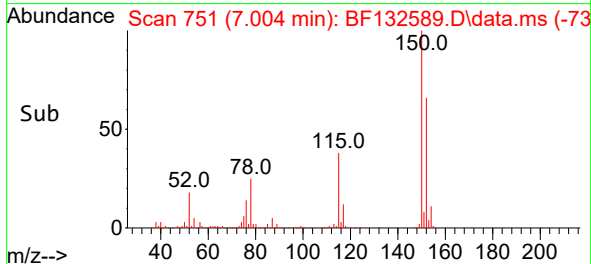
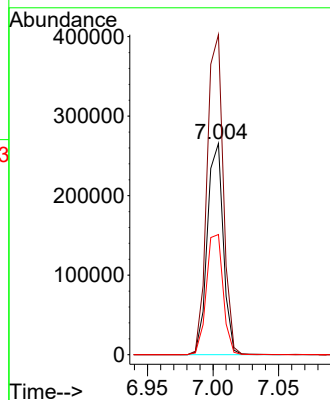
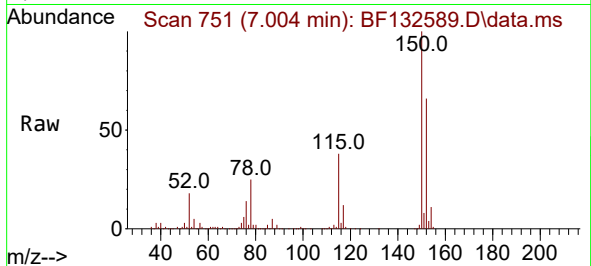




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.004 min Scan# 710
Delta R.T. -0.003 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

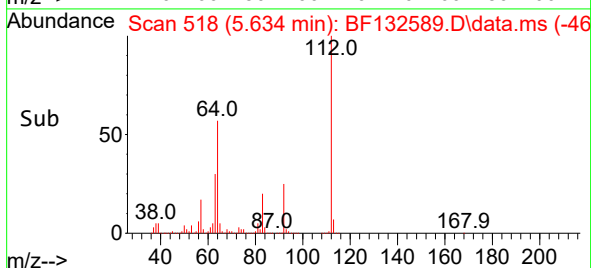
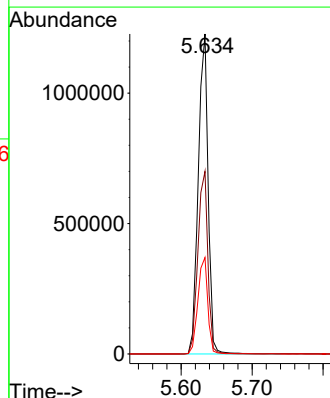
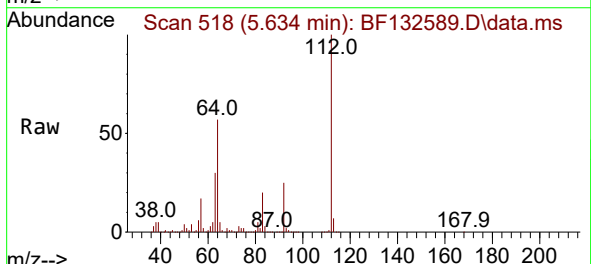
Instrument :
BNA_F
ClientSampleId :
RBR53-VNJ201

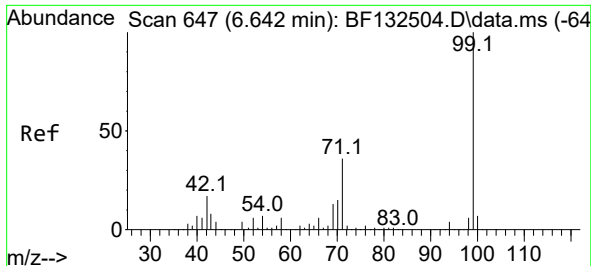
Tgt Ion:152 Resp: 225398
Ion Ratio Lower Upper
152 100
150 151.5 125.4 188.2
115 56.9 47.8 71.6



#5
2-Fluorophenol
Concen: 85.535 ng
RT: 5.634 min Scan# 518
Delta R.T. 0.003 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

Tgt Ion:112 Resp: 1187916
Ion Ratio Lower Upper
112 100
64 57.0 51.6 77.4
63 30.2 27.4 41.2

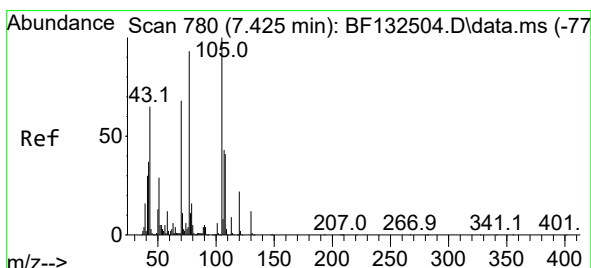
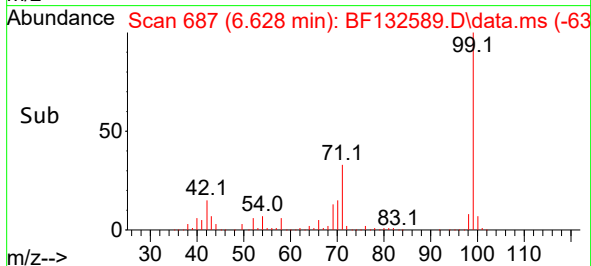
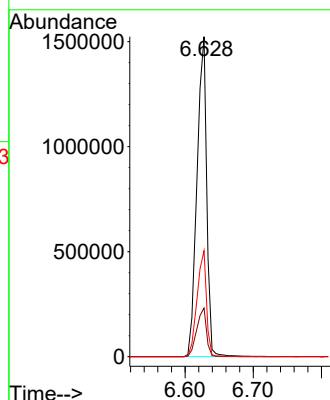
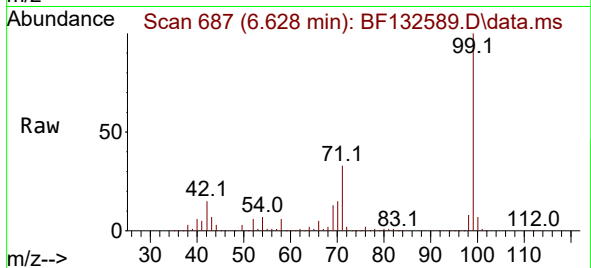




#7
Phenol-d6
Concen: 83.259 ng
RT: 6.628 min Scan# 61
Delta R.T. -0.009 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

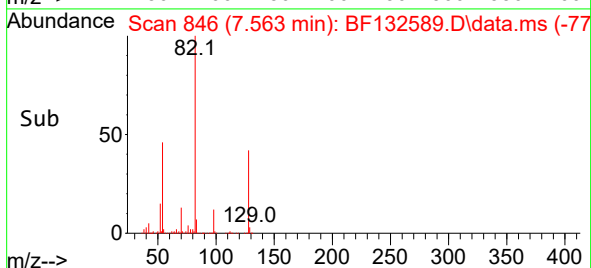
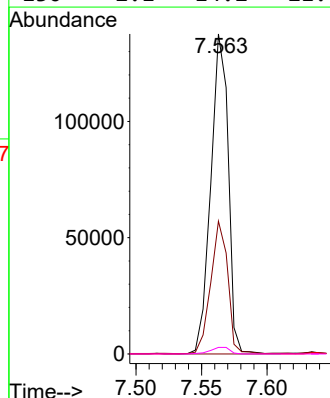
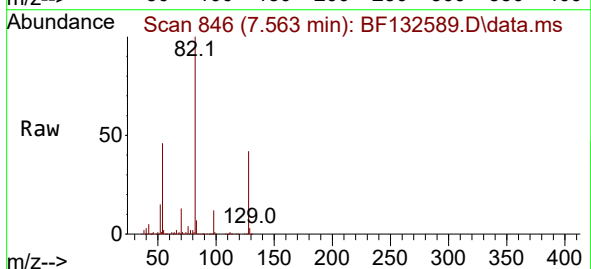
Instrument :
BNA_F
ClientSampleId :
RBR53-VNJ201

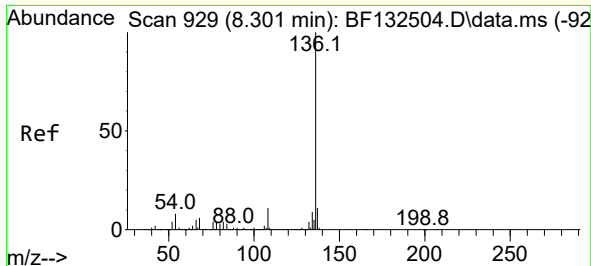
Tgt Ion: 99 Resp: 1509071
Ion Ratio Lower Upper
99 100
42 15.2 13.9 20.9
71 33.1 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.421 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

Tgt Ion: 70 Resp: 127399
Ion Ratio Lower Upper
70 100
42 41.5 44.1 66.1#
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



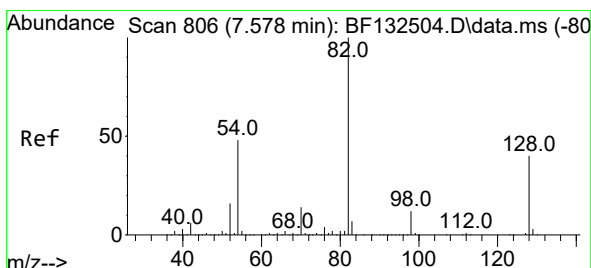
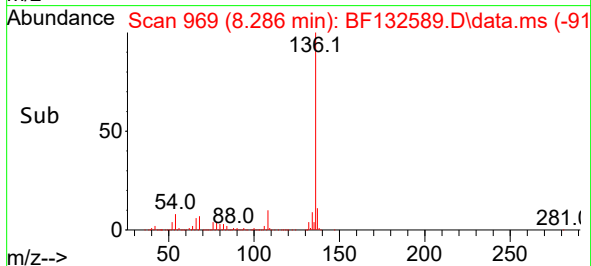
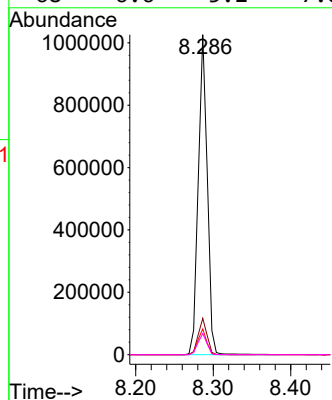
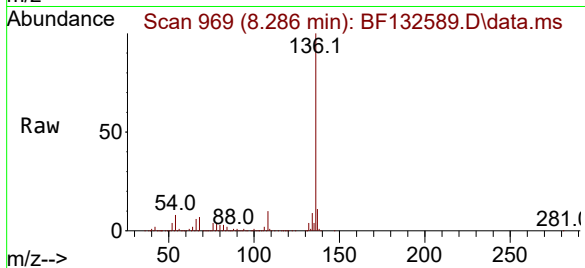


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 91
Delta R.T. -0.003 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

Instrument :
BNA_F
ClientSampleId :
RBR53-VNJ201

Tgt Ion:136 Resp: 827224

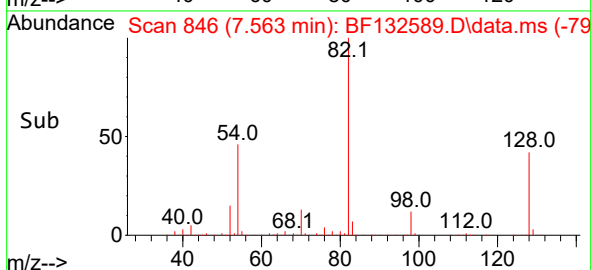
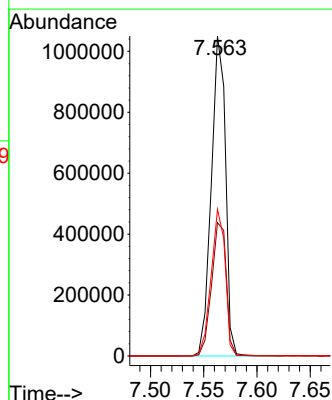
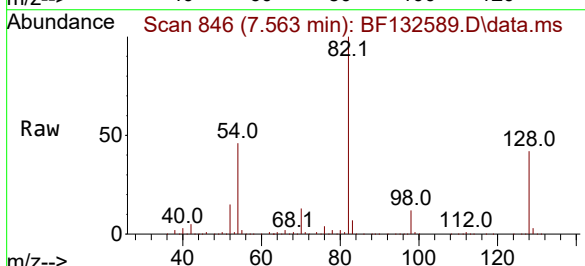
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.1	6.2	9.4
68	6.6	5.2	7.8

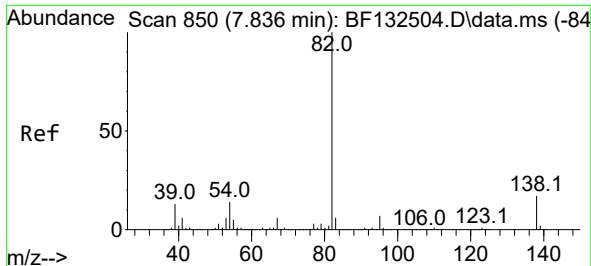


#23
Nitrobenzene-d5
Concen: 55.885 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

Tgt Ion: 82 Resp: 974386

Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.2	48.2
54	45.9	38.4	57.6

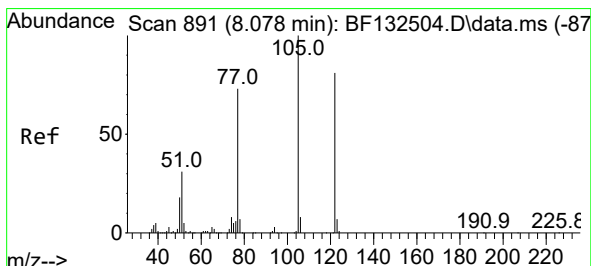
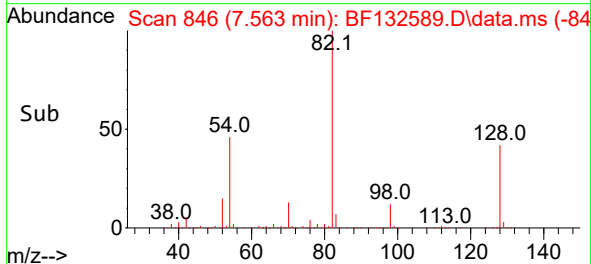
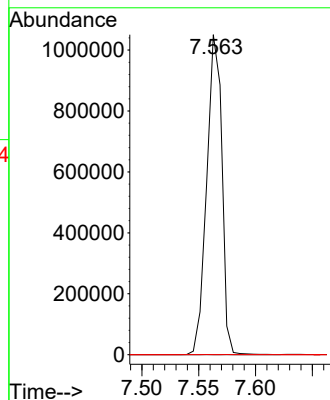
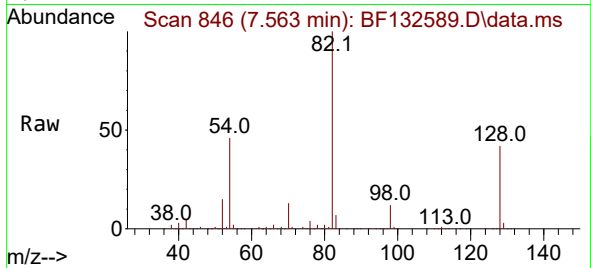




#25
Isophorone
Concen: 29.148 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

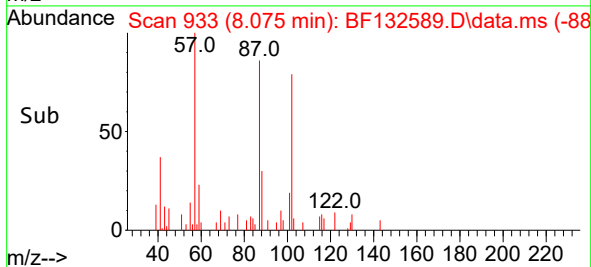
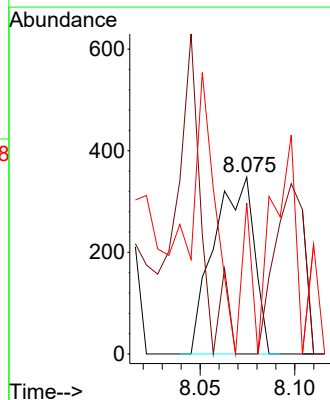
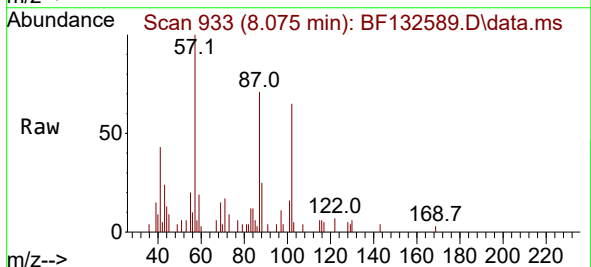
Instrument :
BNA_F
ClientSampleId :
RBR53-VNJ201

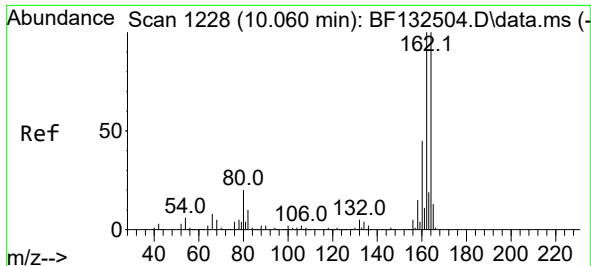
Tgt Ion: 82 Resp: 974375
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.882 ng
RT: 8.075 min Scan# 933
Delta R.T. 0.009 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

Tgt Ion:122 Resp: 515
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 85.3 70.2 110.2

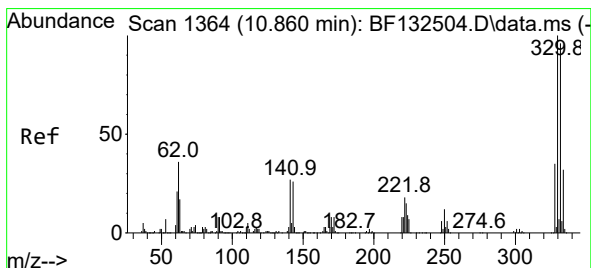
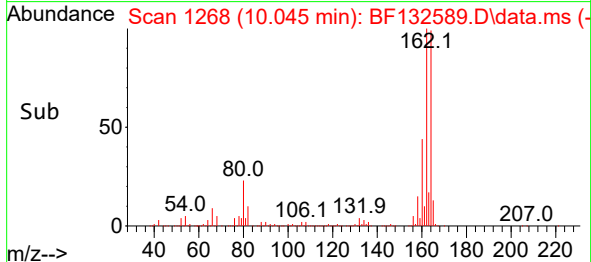
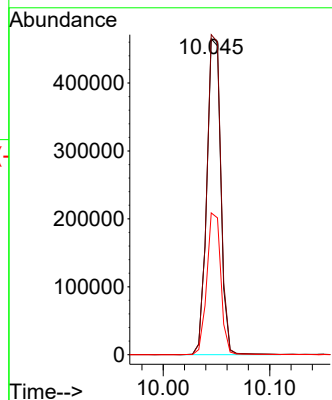
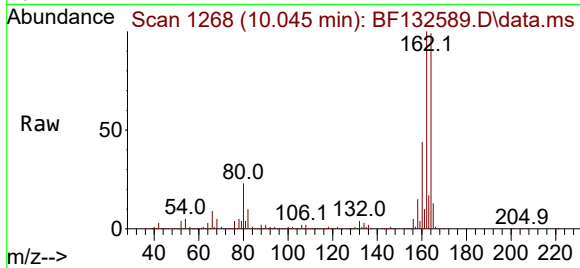




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

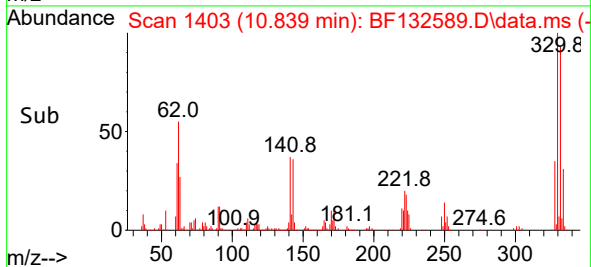
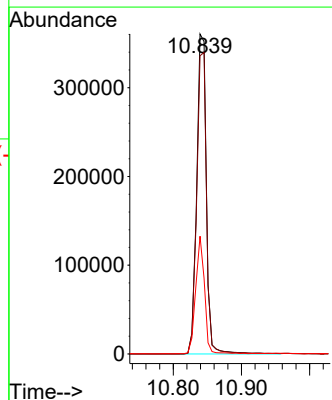
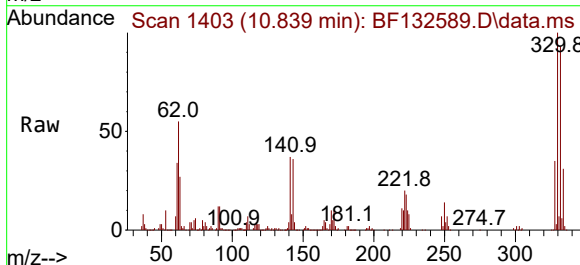
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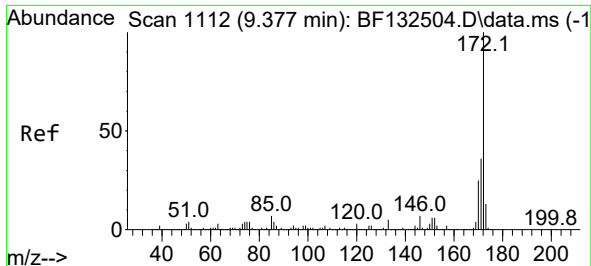
Tgt Ion:164 Resp: 426402
Ion Ratio Lower Upper
164 100
162 101.3 79.8 119.8
160 44.9 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 76.955 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

Tgt Ion:330 Resp: 354375
Ion Ratio Lower Upper
330 100
332 95.6 76.2 114.4
141 33.5 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 56.753 ng

RT: 9.363 min Scan# 1112

Delta R.T. -0.009 min

Lab File: BF132589.D

Acq: 01 Mar 2023 14:04

Instrument :

BNA_F

ClientSampleId :

RBR53-VNJ201

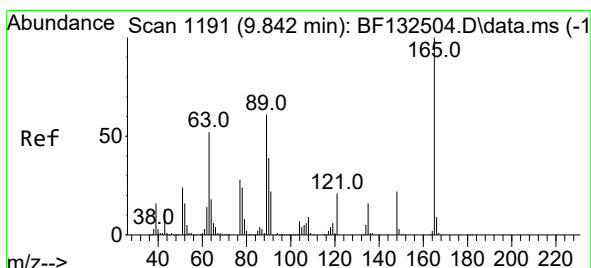
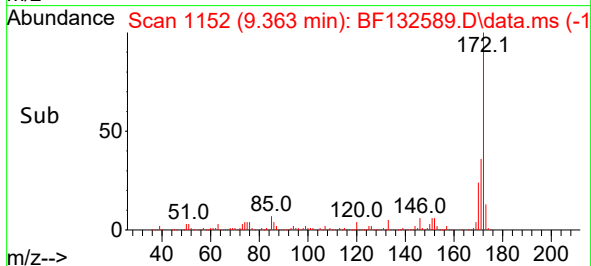
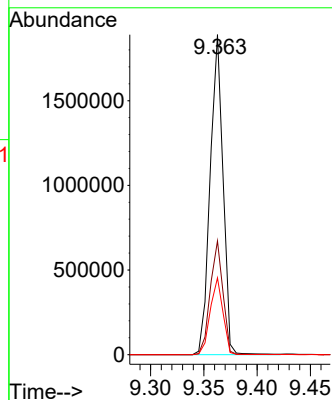
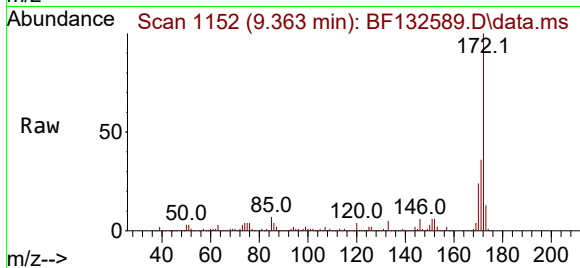
Tgt Ion:172 Resp: 1589305

Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 24.0 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 7.912 ng

RT: 10.045 min Scan# 1268

Delta R.T. 0.209 min

Lab File: BF132589.D

Acq: 01 Mar 2023 14:04

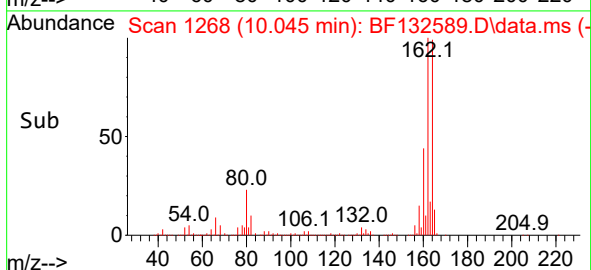
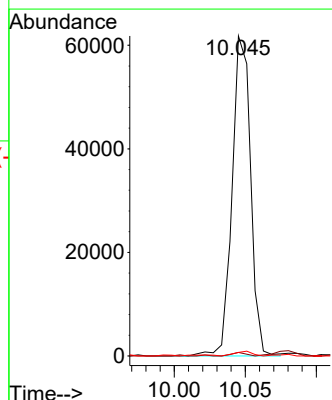
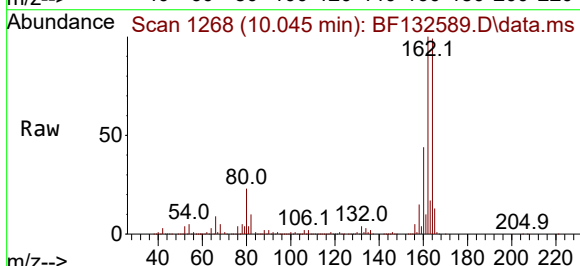
Tgt Ion:165 Resp: 55945

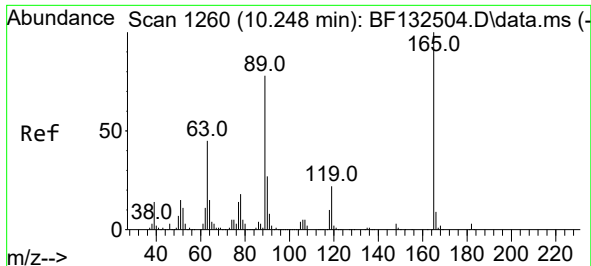
Ion Ratio Lower Upper

165 100

63 1.1 47.3 70.9#

89 1.1 48.9 73.3#

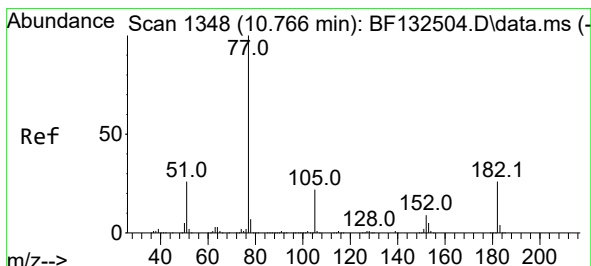
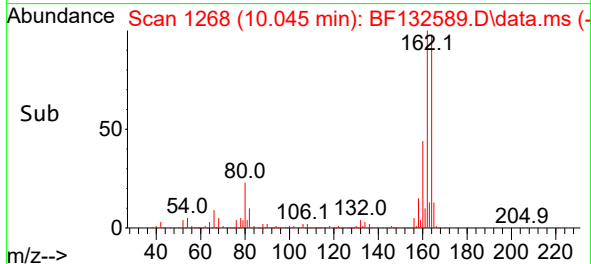
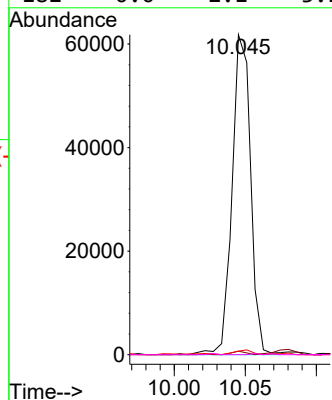
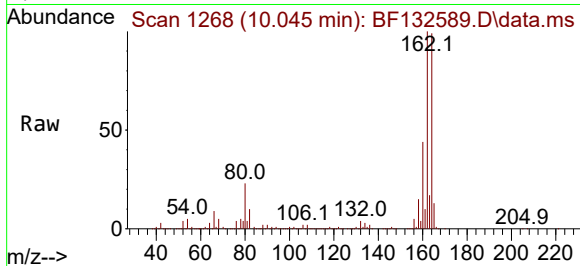




#57
2,4-Dinitrotoluene
Concen: 5.947 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.197 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

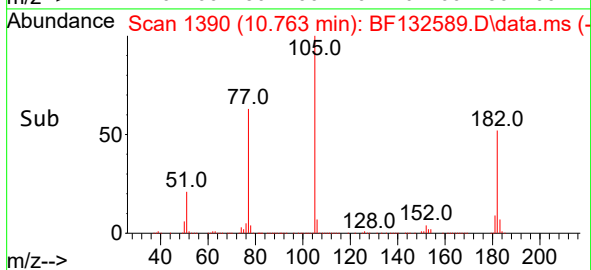
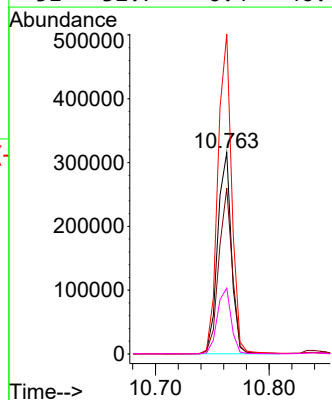
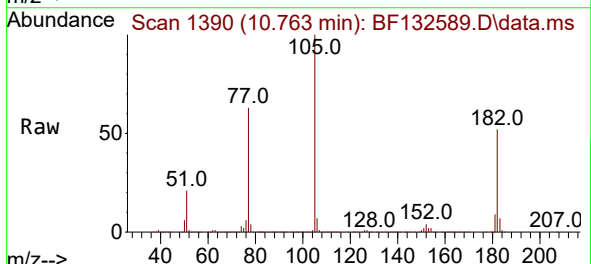
Instrument :
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ClientSampleId :
RBR53-VNJ201

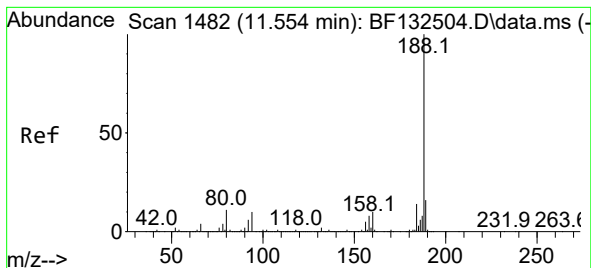
Tgt Ion:165 Resp: 55945
Ion Ratio Lower Upper
165 100
63 1.1 36.5 54.7#
89 1.1 62.4 93.6#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 8.230 ng
RT: 10.763 min Scan# 1390
Delta R.T. 0.009 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

Tgt Ion: 77 Resp: 264295
Ion Ratio Lower Upper
77 100
182 82.4 5.5 45.5#
105 158.8 1.8 41.8#
51 32.7 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.545 min Scan# 1

Delta R.T. -0.003 min

Lab File: BF132589.D

Acq: 01 Mar 2023 14:04

Instrument :

BNA_F

ClientSampleId :

RBR53-VNJ201

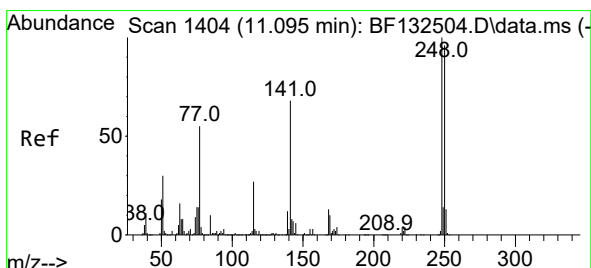
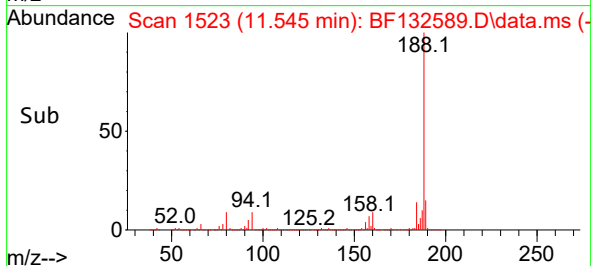
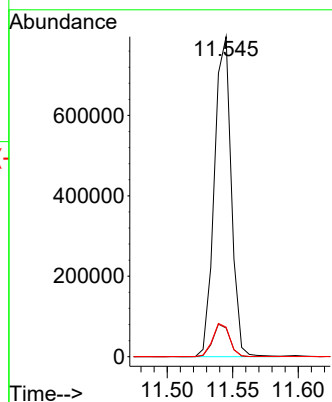
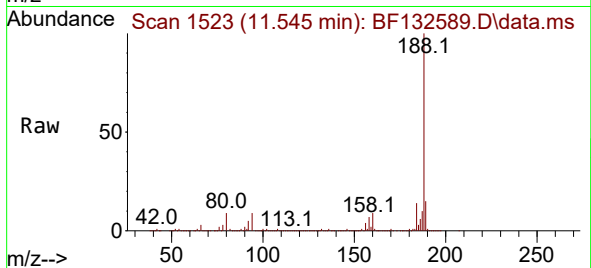
Tgt Ion:188 Resp: 713698

Ion Ratio Lower Upper

188 100

94 8.9 8.3 12.5

80 9.3 8.7 13.1



#67

4-Bromophenyl-phenylether

Concen: 2.889 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.250 min

Lab File: BF132589.D

Acq: 01 Mar 2023 14:04

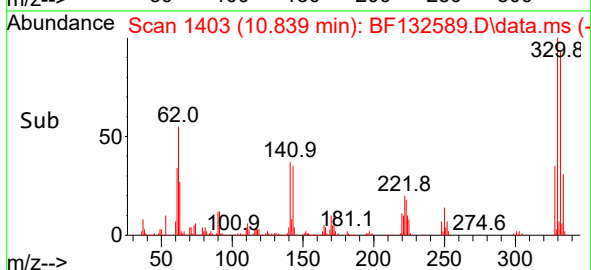
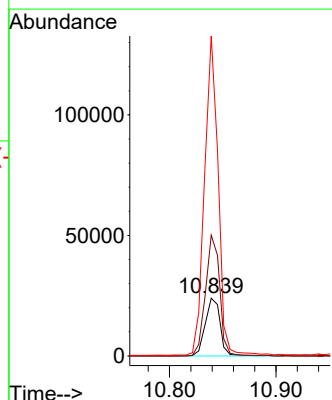
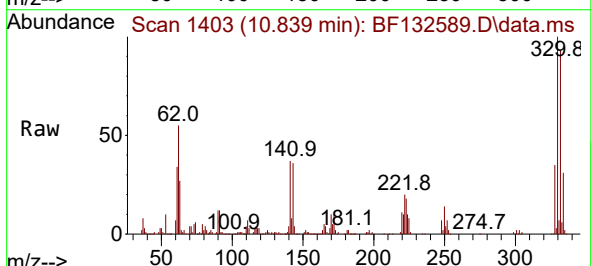
Tgt Ion:248 Resp: 23327

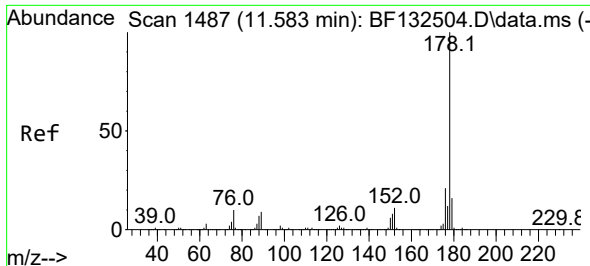
Ion Ratio Lower Upper

248 100

250 209.2 77.0 115.4#

141 554.2 54.2 81.2#

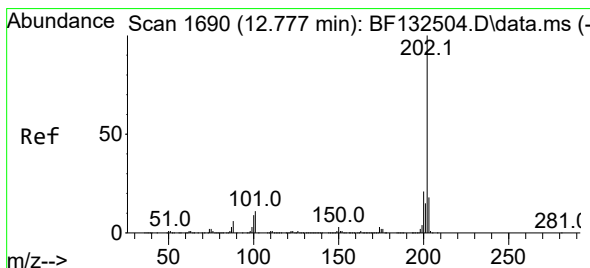
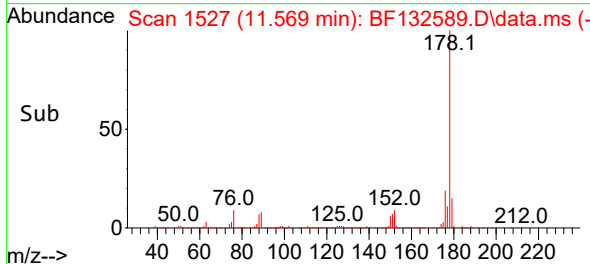
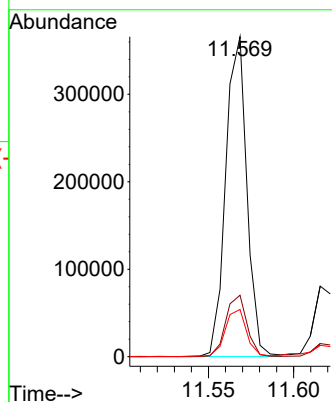
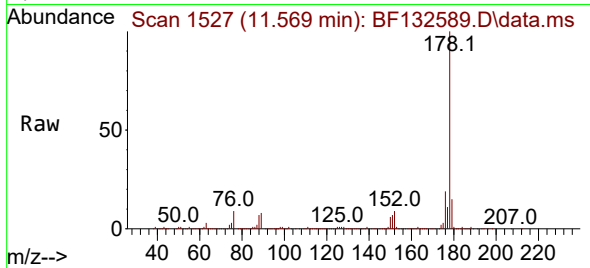




#71
Phenanthrene
Concen: 8.529 ng
RT: 11.569 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

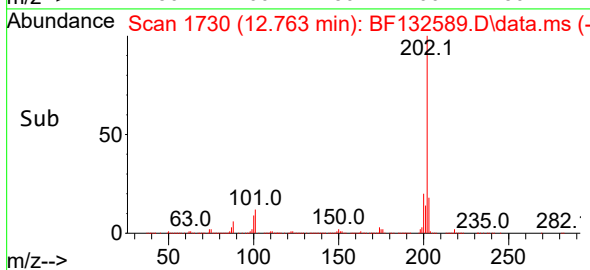
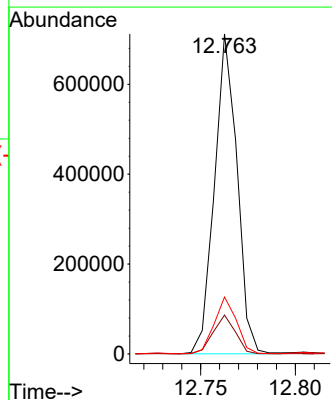
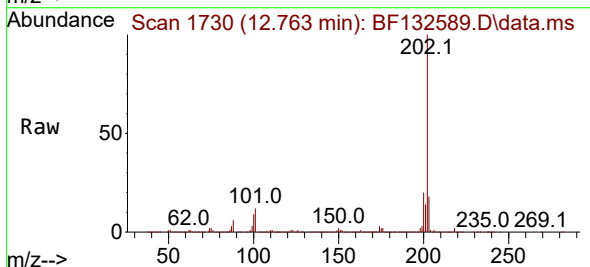
Instrument :
BNA_F
ClientSampleId :
RBR53-VNJ201

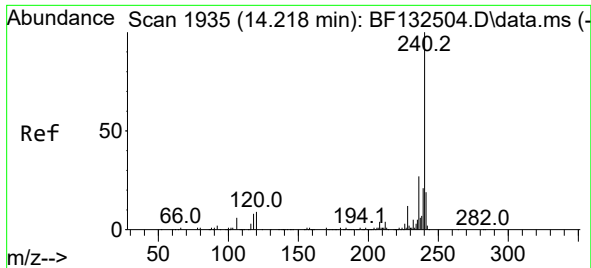
Tgt Ion:178 Resp: 315342
Ion Ratio Lower Upper
178 100
176 19.2 16.5 24.7
179 14.8 13.0 19.6



#75
Fluoranthene
Concen: 14.608 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

Tgt Ion:202 Resp: 590442
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.4
203 17.8 0.0 38.0

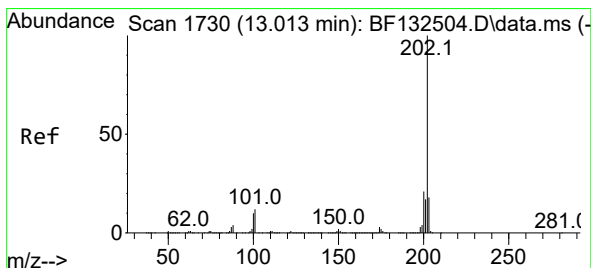
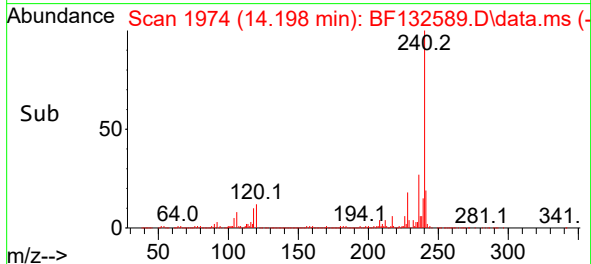
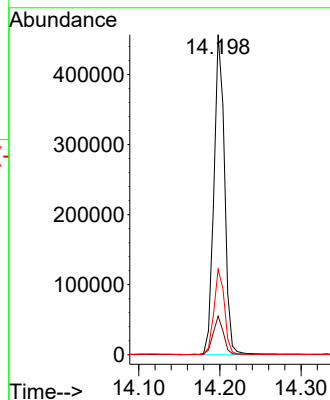
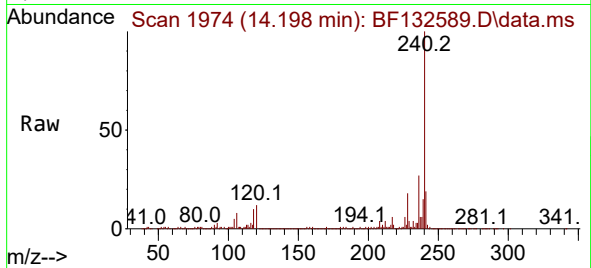




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.198 min Scan# 1935
Delta R.T. -0.009 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

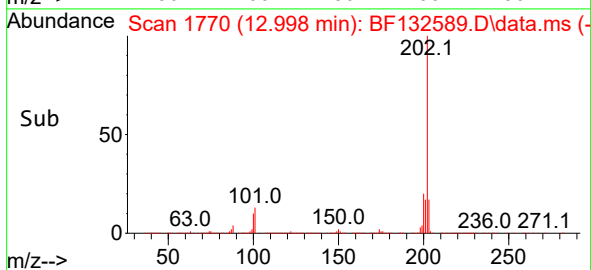
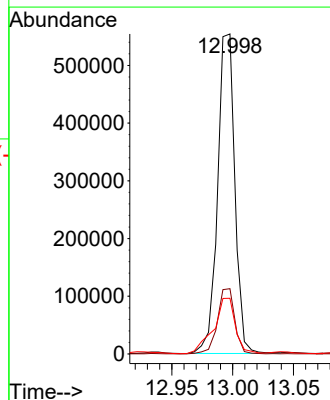
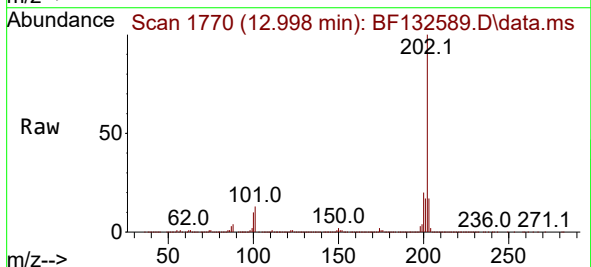
Instrument :
BNA_F
ClientSampleId :
RBR53-VNJ201

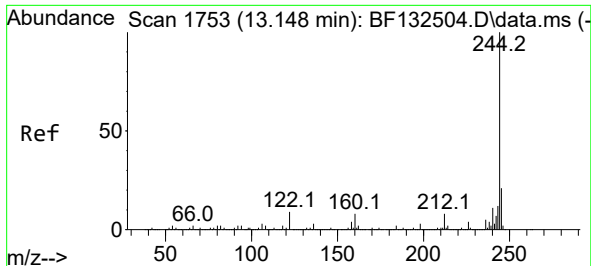
Tgt Ion:240 Resp: 414593
Ion Ratio Lower Upper
240 100
120 12.1 7.2 10.8#
236 26.7 21.8 32.6



#78
Pyrene
Concen: 14.587 ng
RT: 12.998 min Scan# 1770
Delta R.T. -0.003 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

Tgt Ion:202 Resp: 549858
Ion Ratio Lower Upper
202 100
200 20.4 17.1 25.7
203 17.4 14.6 21.8

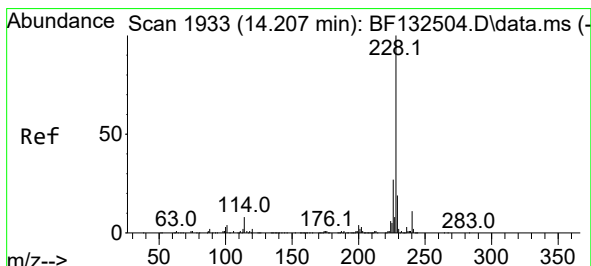
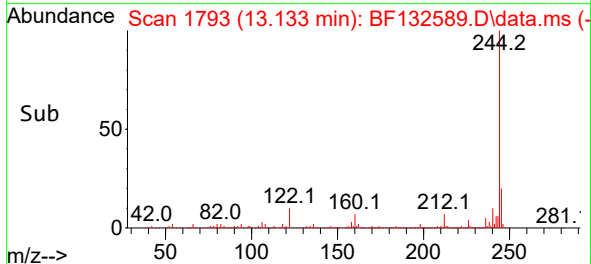
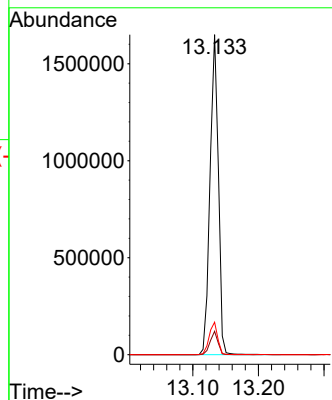
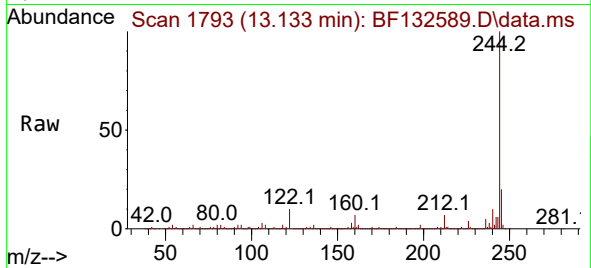




#79
 Terphenyl-d14
 Concen: 59.418 ng
 RT: 13.133 min Scan# 1
 Delta R.T. -0.009 min
 Lab File: BF132589.D
 Acq: 01 Mar 2023 14:04

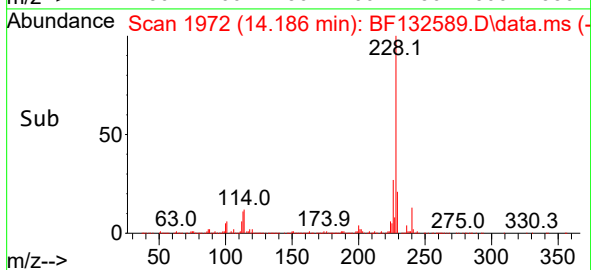
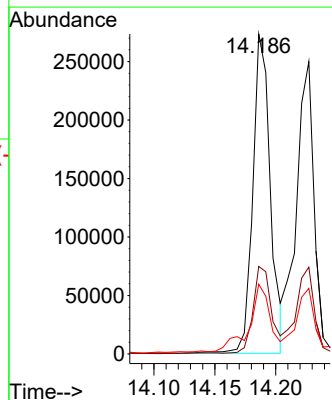
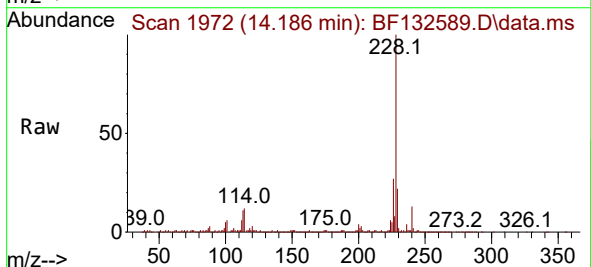
Instrument :
 BNA_F
 ClientSampleId :
 RBR53-VNJ201

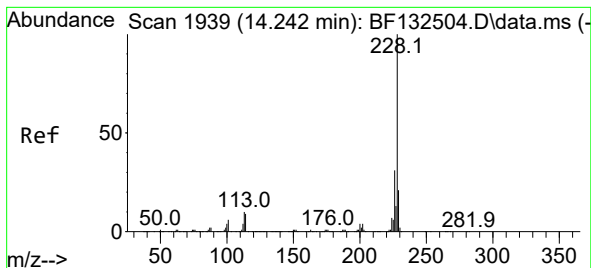
Tgt Ion:244 Resp: 1456995
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 10.1 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 8.833 ng
 RT: 14.186 min Scan# 1972
 Delta R.T. -0.009 min
 Lab File: BF132589.D
 Acq: 01 Mar 2023 14:04

Tgt Ion:228 Resp: 273996
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.7 32.5
 229 21.8 15.4 23.2





#83

Chrysene

Concen: 8.767 ng

RT: 14.227 min Scan# 1939

Delta R.T. -0.009 min

Lab File: BF132589.D

Acq: 01 Mar 2023 14:04

Instrument :

BNA_F

ClientSampleId :

RBR53-VNJ201

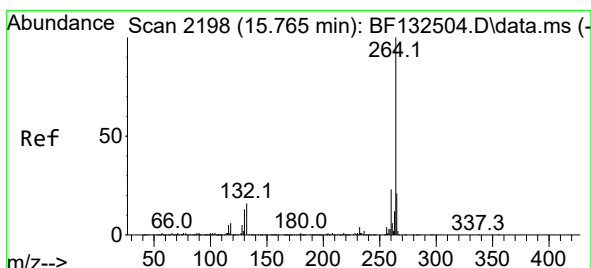
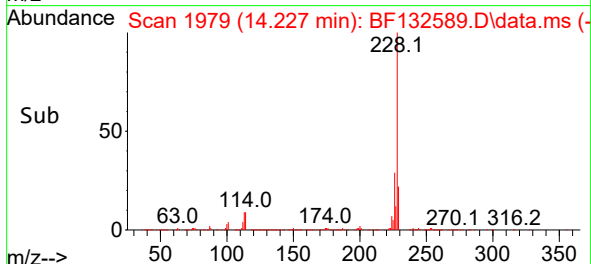
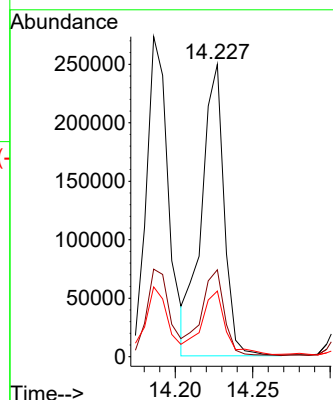
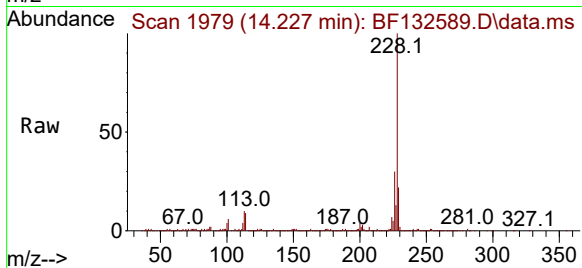
Tgt Ion:228 Resp: 254317

Ion Ratio Lower Upper

228 100

226 29.7 25.0 37.6

229 22.4 16.4 24.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.751 min Scan# 2238

Delta R.T. -0.003 min

Lab File: BF132589.D

Acq: 01 Mar 2023 14:04

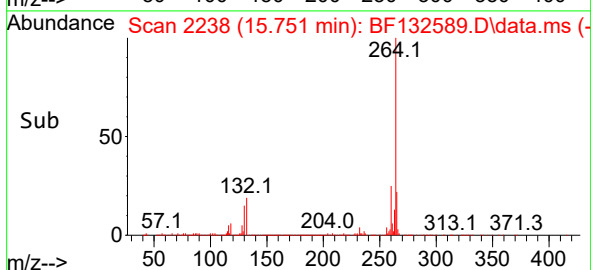
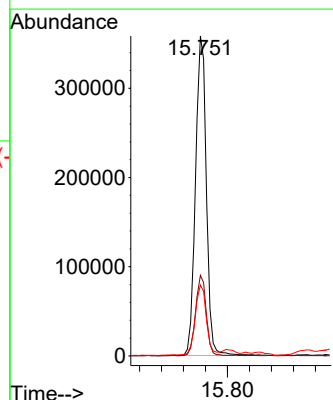
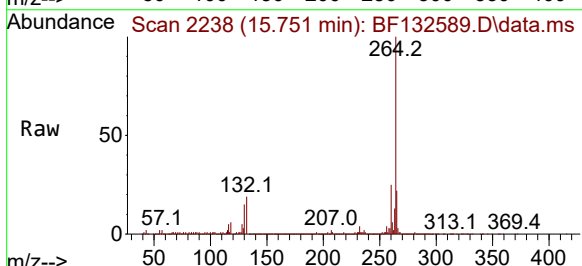
Tgt Ion:264 Resp: 490086

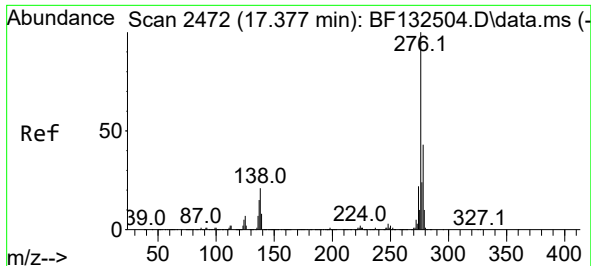
Ion Ratio Lower Upper

264 100

260 25.2 18.8 28.2

265 22.2 17.1 25.7

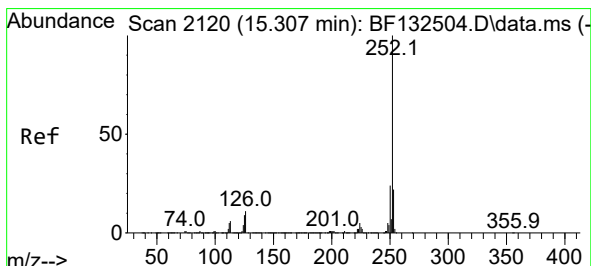
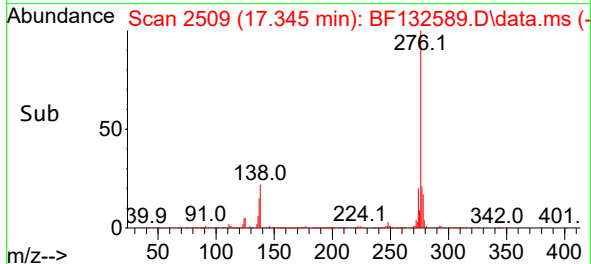
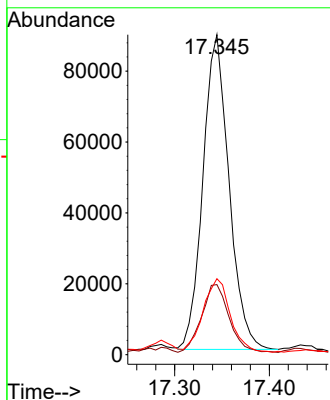
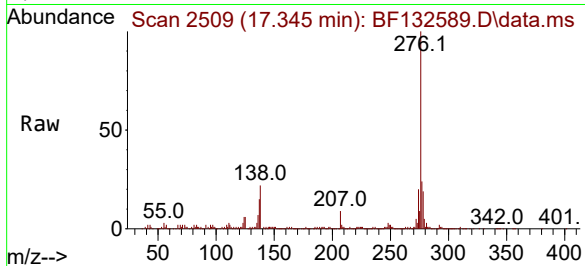




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 5.292 ng
 RT: 17.345 min Scan# 2159
 Delta R.T. -0.015 min
 Lab File: BF132589.D
 Acq: 01 Mar 2023 14:04

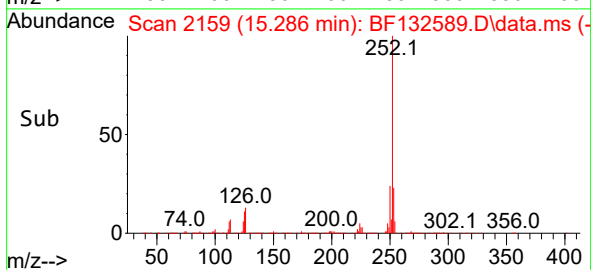
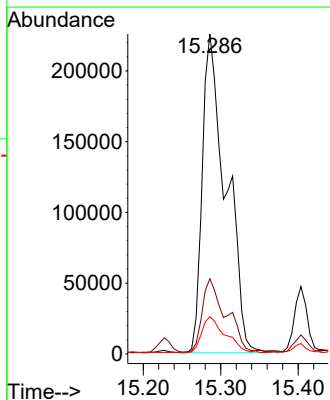
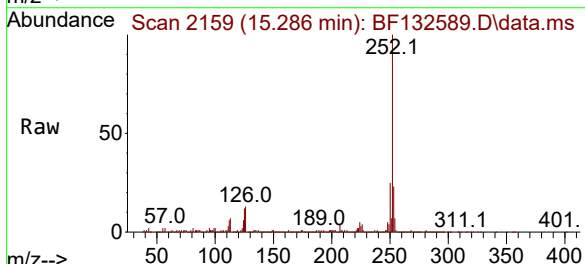
Instrument :
 BNA_F
 ClientSampleId :
 RBR53-VNJ201

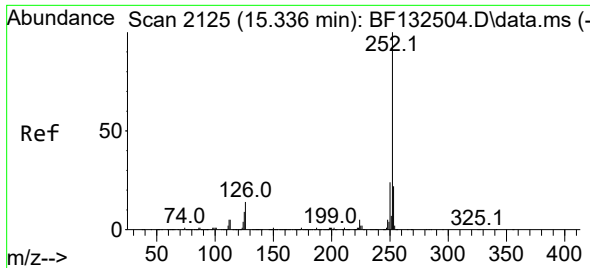
Tgt Ion:276 Resp: 169956
 Ion Ratio Lower Upper
 276 100
 138 22.7 19.0 28.4
 277 24.4 20.0 30.0



#88
 Benzo(b)fluoranthene
 Concen: 14.607 ng
 RT: 15.286 min Scan# 2159
 Delta R.T. -0.009 min
 Lab File: BF132589.D
 Acq: 01 Mar 2023 14:04

Tgt Ion:252 Resp: 479742
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.4 26.0
 125 11.7 7.0 10.6#

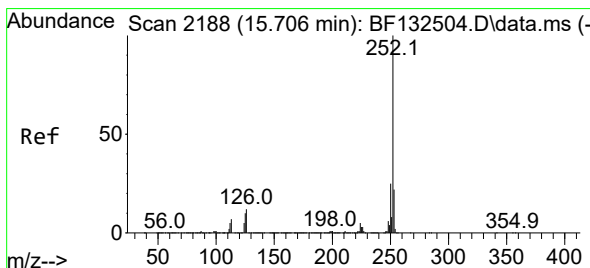
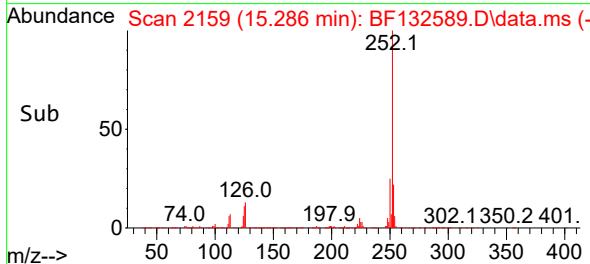
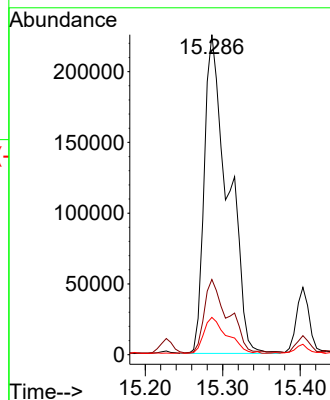
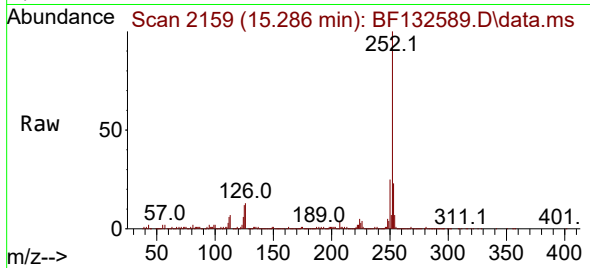




#89
Benzo(k)fluoranthene
Concen: 14.925 ng
RT: 15.286 min Scan# 2125
Delta R.T. -0.038 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

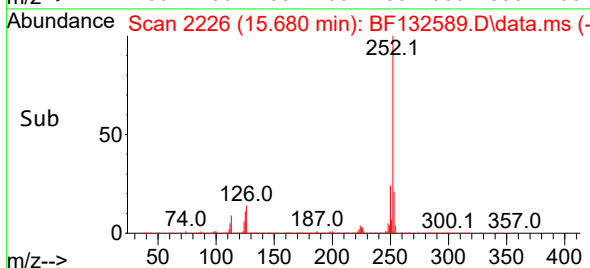
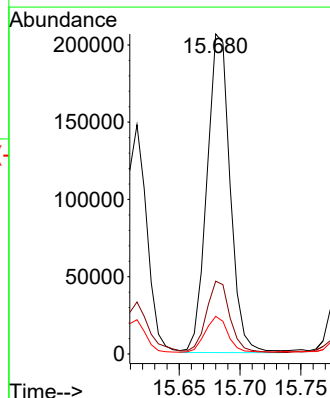
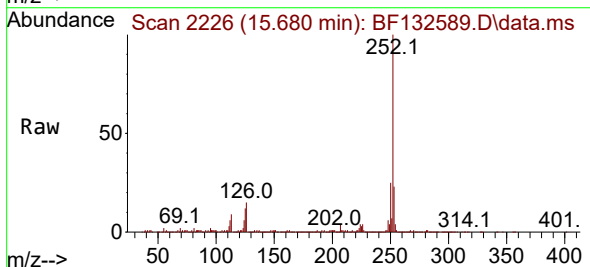
Instrument :
BNA_F
ClientSampleId :
RBR53-VNJ201

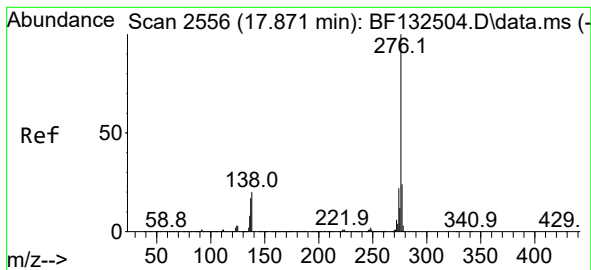
Tgt Ion:252 Resp: 479742
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 11.7 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 8.884 ng
RT: 15.680 min Scan# 2226
Delta R.T. -0.009 min
Lab File: BF132589.D
Acq: 01 Mar 2023 14:04

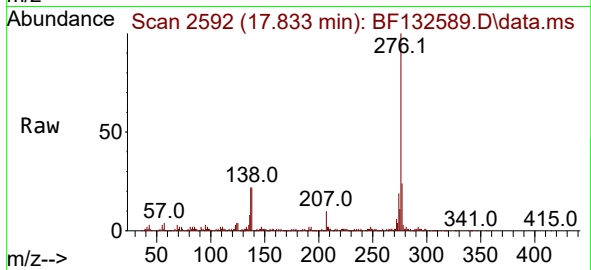
Tgt Ion:252 Resp: 273071
Ion Ratio Lower Upper
252 100
253 22.7 17.2 25.8
125 11.7 8.0 12.0





#92
 Benzo(g,h,i)perylene
 Concen: 7.161 ng
 RT: 17.833 min Scan# 21
 Delta R.T. -0.021 min
 Lab File: BF132589.D
 Acq: 01 Mar 2023 14:04

Instrument :
 BNA_F
 ClientSampleId :
 RBR53-VNJ201



Tgt Ion:276 Resp: 169710
 Ion Ratio Lower Upper
 276 100
 277 23.8 18.9 28.3
 138 21.8 16.2 24.4

