

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
 Data File : BF129556.D
 Acq On : 03 Aug 2022 23:49
 Operator : CG\JU
 Sample : N3930-08
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-100

Quant Time: Aug 04 02:21:29 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 02 01:11:25 2022
 Response via : Initial Calibration

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

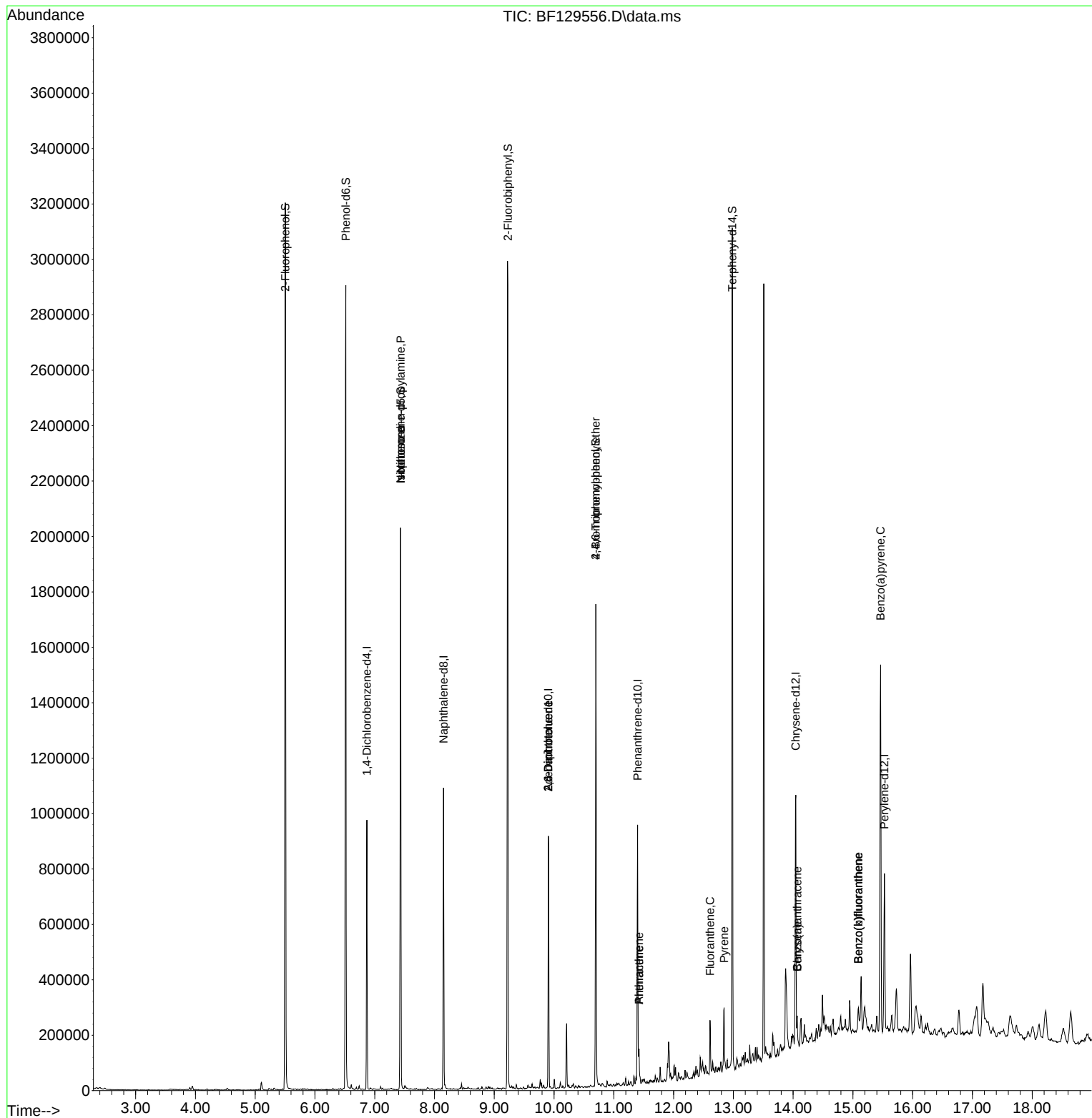
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	125704	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	439034	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	188355	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	307357	20.000	ng	0.00
76) Chrysene-d12	14.045	240	309899	20.000	ng	0.00
86) Perylene-d12	15.527	264	234683	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	821304	106.433	ng	0.00
7) Phenol-d6	6.516	99	972040	100.217	ng	0.00
23) Nitrobenzene-d5	7.434	82	593154	73.752	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	189405	104.592	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	951887	78.178	ng	0.00
79) Terphenyl-d14	12.980	244	984569	59.938	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	77541	13.205	ng	# 72
25) Isophorone	7.434	82	593148	41.144	ng	# 65
51) 2,6-Dinitrotoluene	9.904	165	23494	8.073	ng	# 26
57) 2,4-Dinitrotoluene	9.904	165	23494	6.180	ng	# 21
67) 4-Bromophenyl-phenylether	10.698	248	11852	3.521	ng	# 1
71) Phenanthrene	11.422	178	37399	2.229	ng	99
72) Anthracene	11.422	178	37399	2.268	ng	99
75) Fluoranthene	12.610	202	61148	3.597	ng	95
78) Pyrene	12.845	202	87875	3.391	ng	97
81) Benzo(a)anthracene	14.069	228	44769	2.115	ng	95
83) Chrysene	14.069	228	44769	2.244	ng	98
88) Benzo(b)fluoranthene	15.092	252	57379	3.686	ng	# 91
89) Benzo(k)fluoranthene	15.092	252	57379	3.761	ng	# 91
90) Benzo(a)pyrene	15.463	252	25544	2.021	ng	# 79

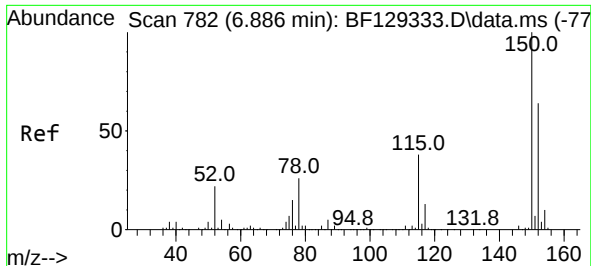
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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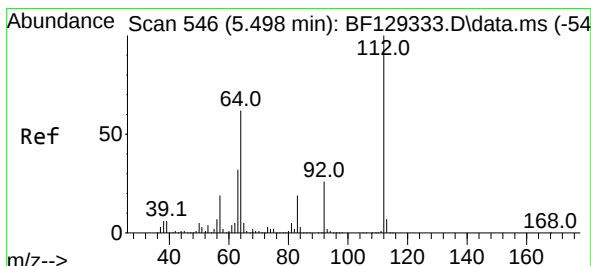
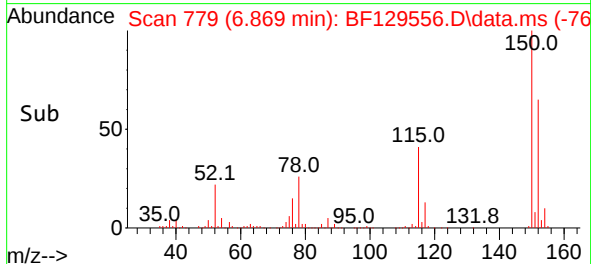
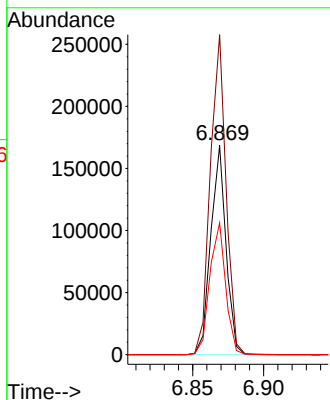
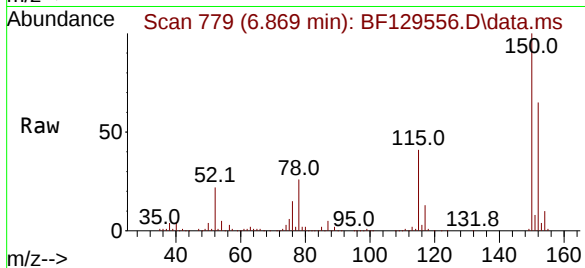




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF129556.D
 Acq: 03 Aug 2022 23:49

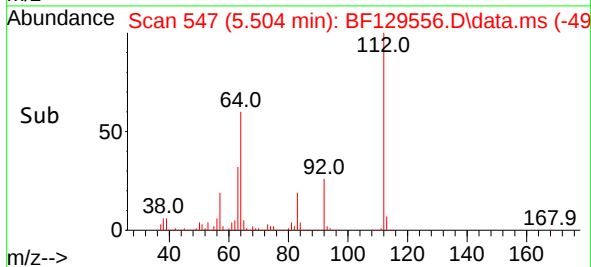
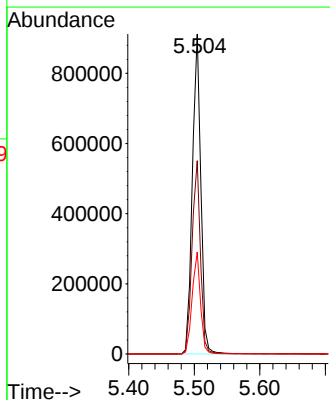
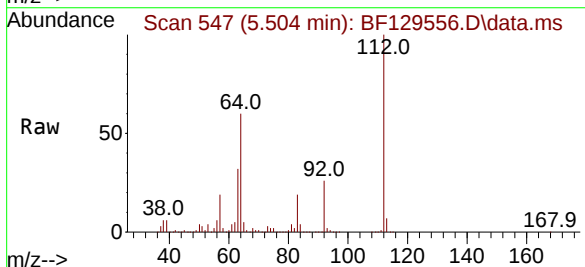
Instrument :
 BNA_F
 ClientSampleId :
 RVE-100

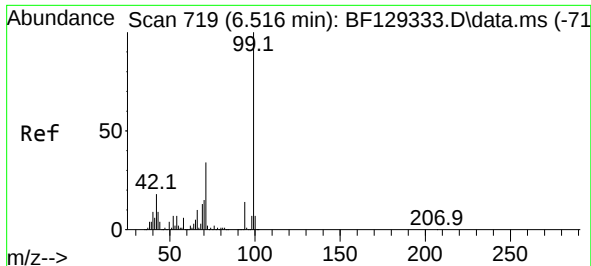
Tgt Ion:152 Resp: 125704
 Ion Ratio Lower Upper
 152 100
 150 152.9 123.7 185.5
 115 63.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 106.433 ng
 RT: 5.504 min Scan# 547
 Delta R.T. 0.000 min
 Lab File: BF129556.D
 Acq: 03 Aug 2022 23:49

Tgt Ion:112 Resp: 821304
 Ion Ratio Lower Upper
 112 100
 64 60.4 53.3 79.9
 63 31.8 28.0 42.0

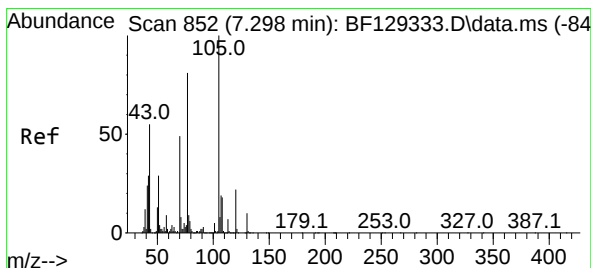
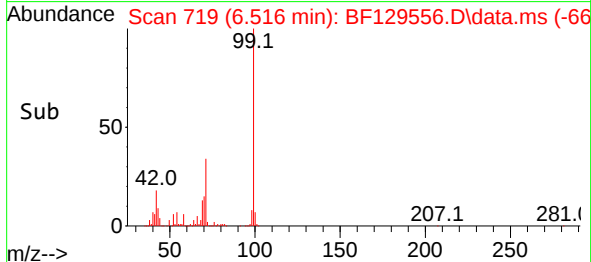
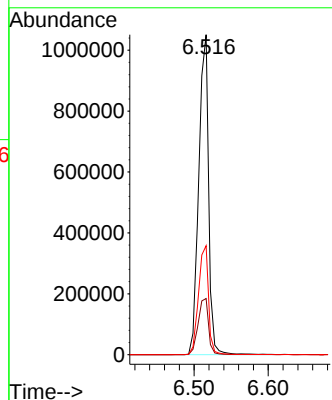
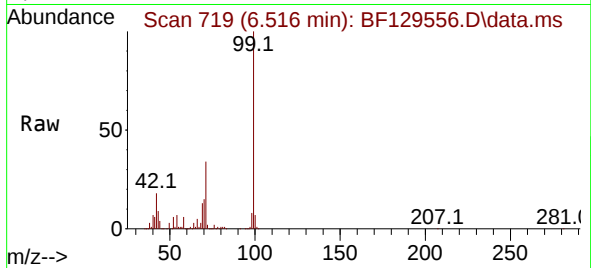




#7
Phenol-d6
Concen: 100.217 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

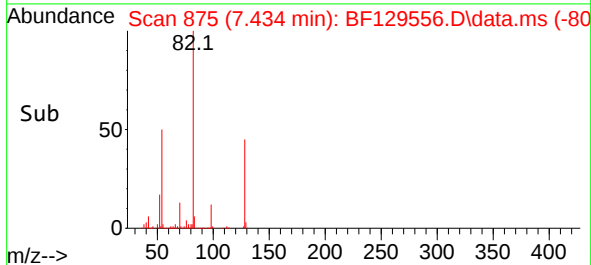
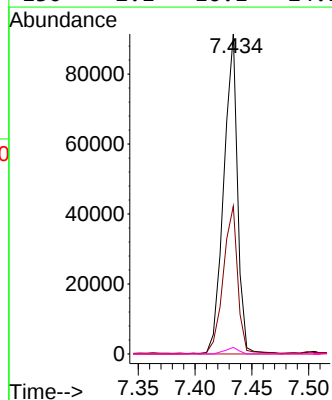
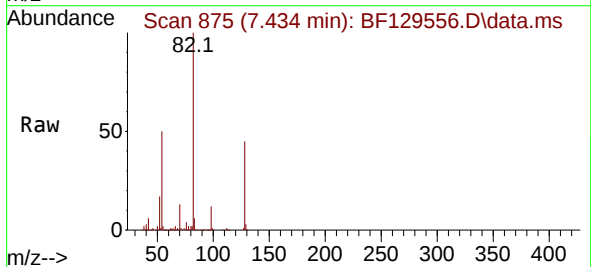
Instrument :
BNA_F
ClientSampleId :
RVE-100

Tgt Ion: 99 Resp: 972040
Ion Ratio Lower Upper
99 100
42 17.5 17.3 25.9
71 34.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.205 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.141 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

Tgt Ion: 70 Resp: 77541
Ion Ratio Lower Upper
70 100
42 46.2 52.3 78.5#
101 0.0 7.5 11.3#
130 2.1 16.1 24.1#



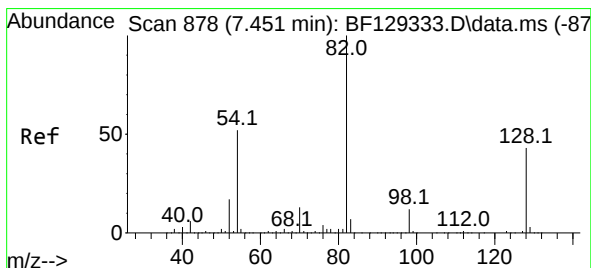
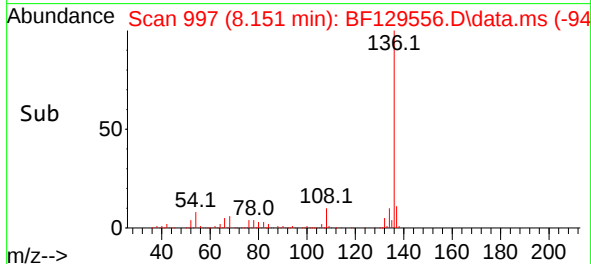
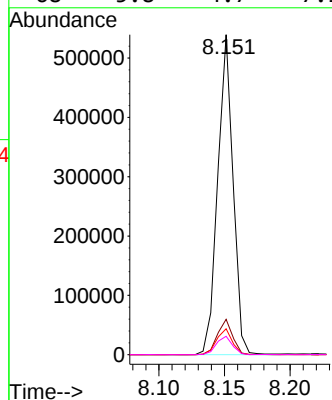
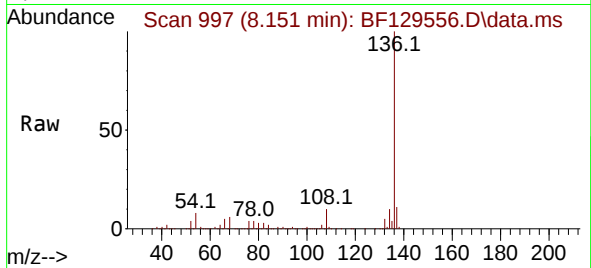


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

Instrument :
BNA_F
ClientSampleId :
RVE-100

Tgt Ion:136 Resp: 439034

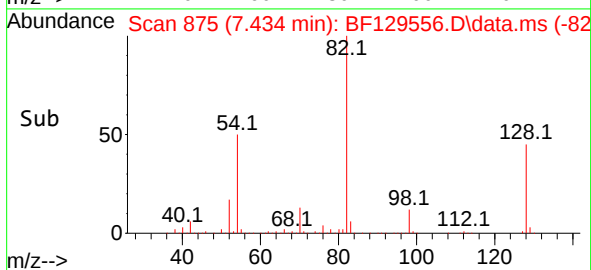
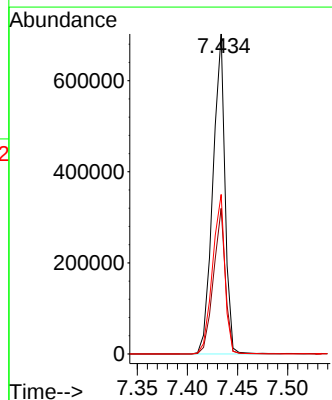
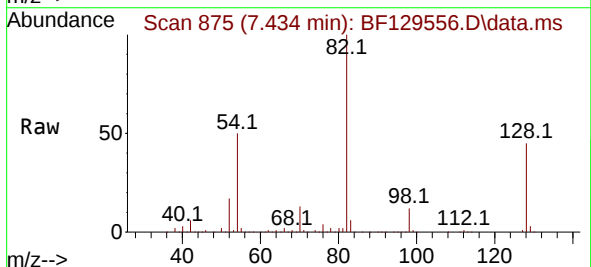
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.1	7.5	11.3
68	5.8	4.7	7.1

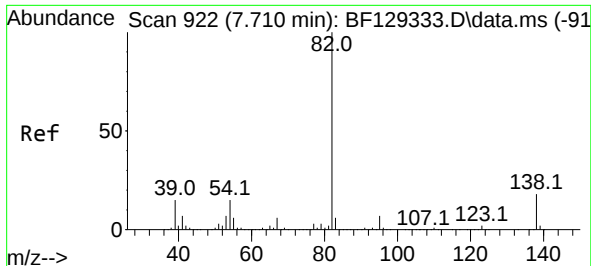


#23
Nitrobenzene-d5
Concen: 73.752 ng
RT: 7.434 min Scan# 875
Delta R.T. -0.012 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

Tgt Ion: 82 Resp: 593154

Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.0	51.0
54	49.8	46.9	70.3

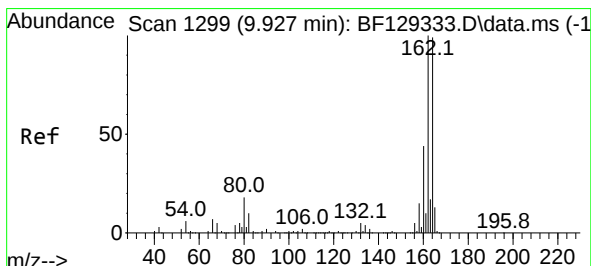
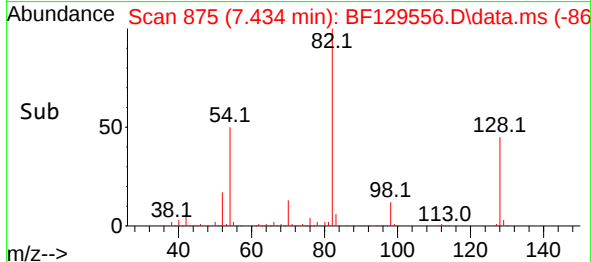
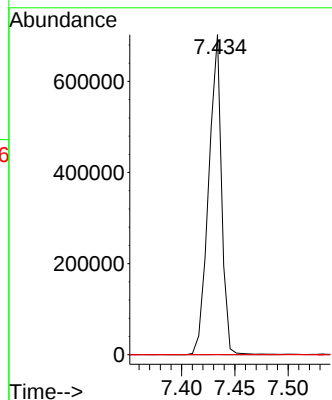
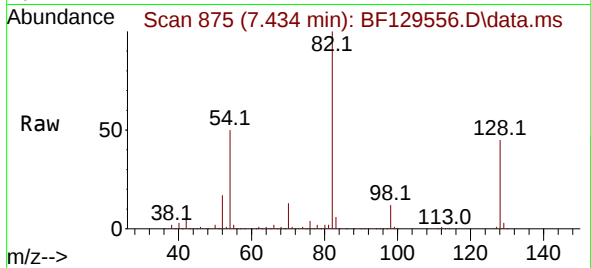




#25
Isophorone
Concen: 41.144 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

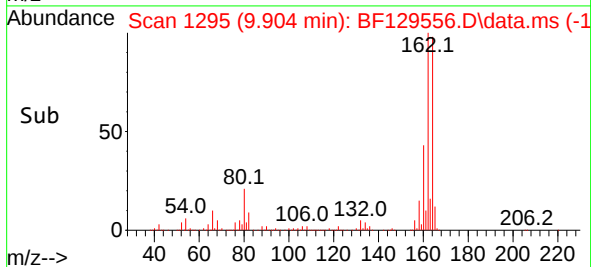
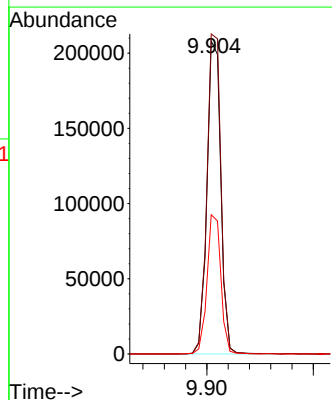
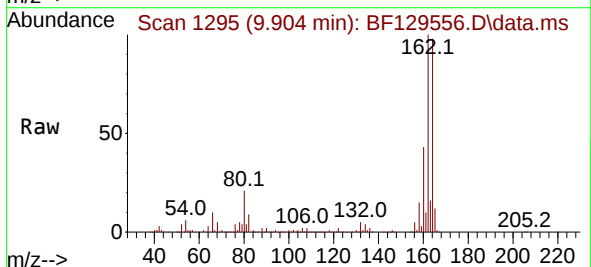
Instrument :
BNA_F
ClientSampleId :
RVE-100

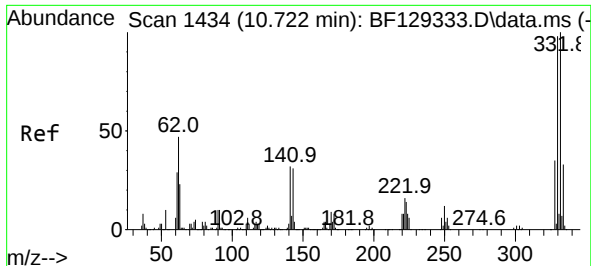
Tgt Ion: 82 Resp: 593148
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

Tgt Ion:164 Resp: 188355
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 44.5 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 104.592 ng

RT: 10.698 min Scan# 1430

Delta R.T. -0.012 min

Lab File: BF129556.D

Acq: 03 Aug 2022 23:49

Instrument :

BNA_F

ClientSampleId :

RVE-100

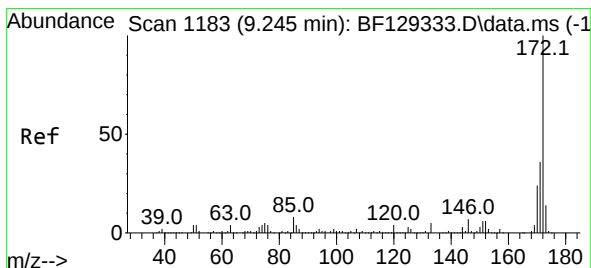
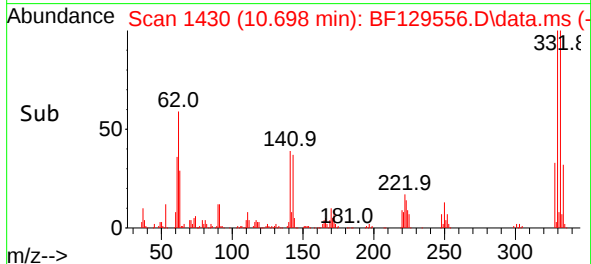
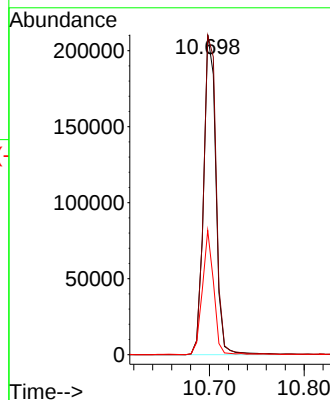
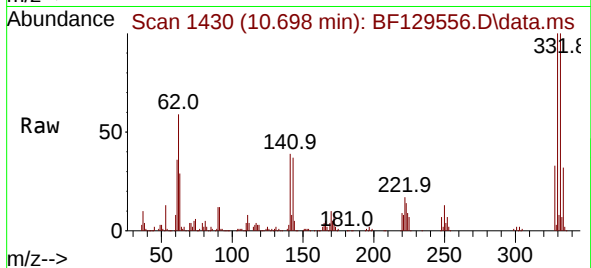
Tgt Ion:330 Resp: 189405

Ion Ratio Lower Upper

330 100

332 103.4 76.8 115.2

141 36.0 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 78.178 ng

RT: 9.228 min Scan# 1180

Delta R.T. -0.006 min

Lab File: BF129556.D

Acq: 03 Aug 2022 23:49

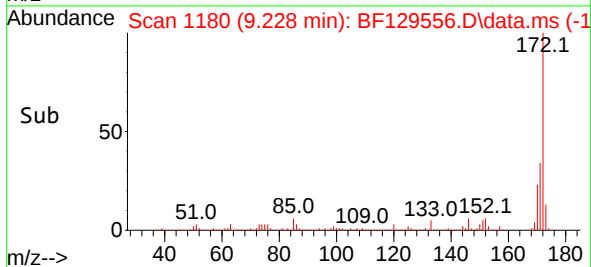
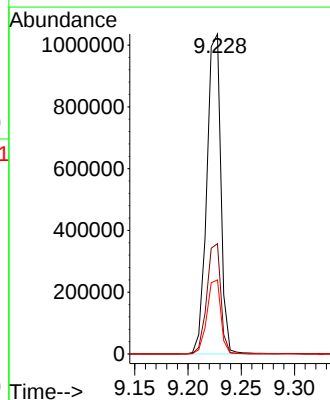
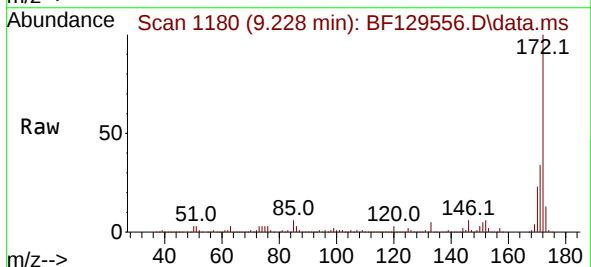
Tgt Ion:172 Resp: 951887

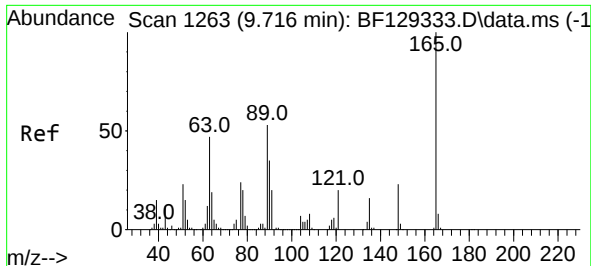
Ion Ratio Lower Upper

172 100

171 34.4 28.8 43.2

170 23.1 19.8 29.8

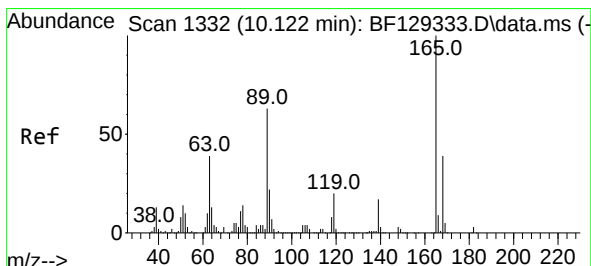
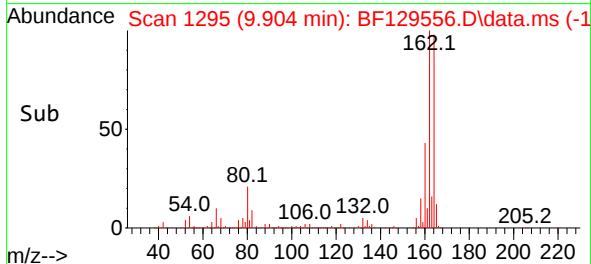
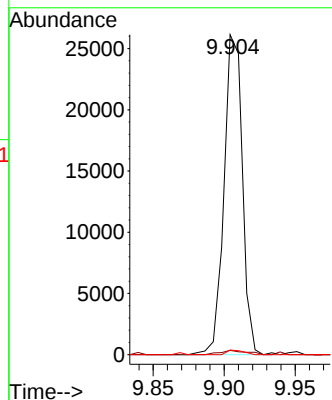
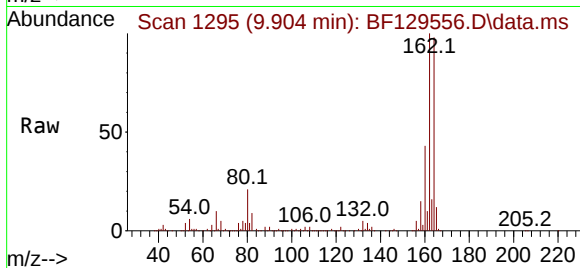




#51
2,6-Dinitrotoluene
Concen: 8.073 ng
RT: 9.904 min Scan# 1295
Delta R.T. 0.200 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

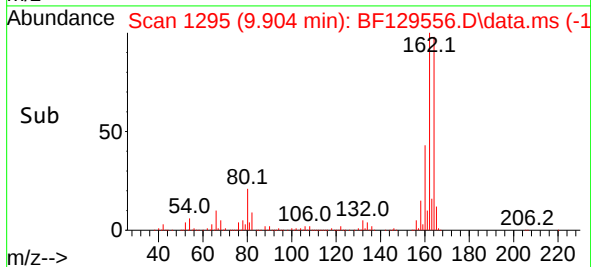
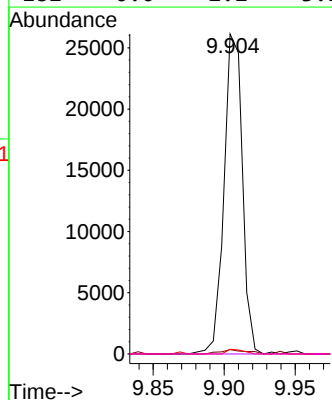
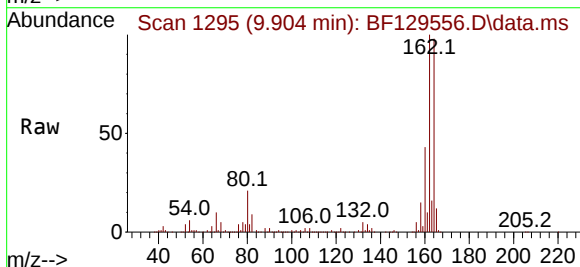
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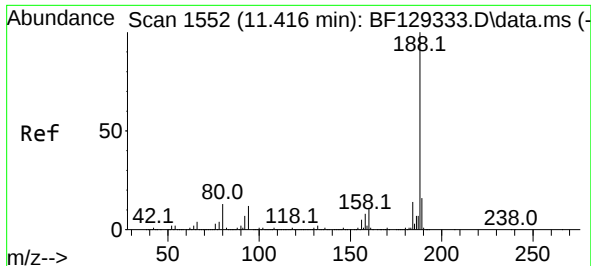
Tgt Ion:165 Resp: 23494
Ion Ratio Lower Upper
165 100
63 1.4 44.9 67.3#
89 1.4 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.180 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.206 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

Tgt Ion:165 Resp: 23494
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.4 60.2 90.2#
182 0.0 2.2 3.2#

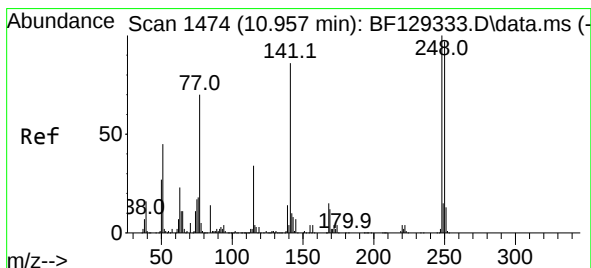
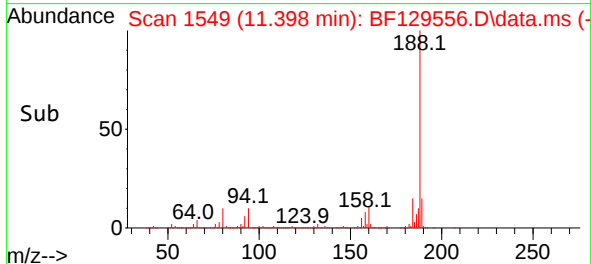
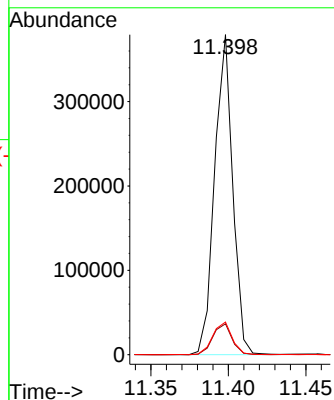
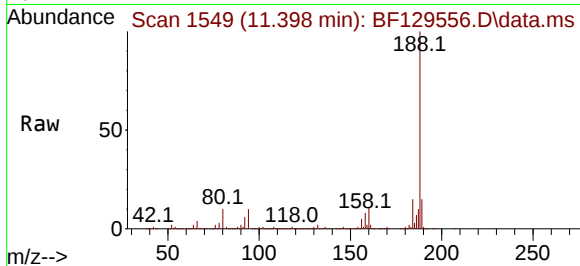




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

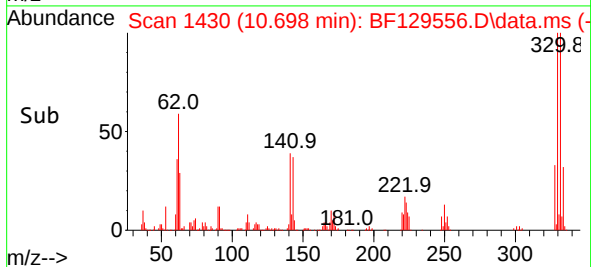
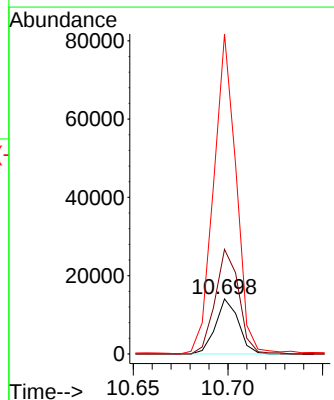
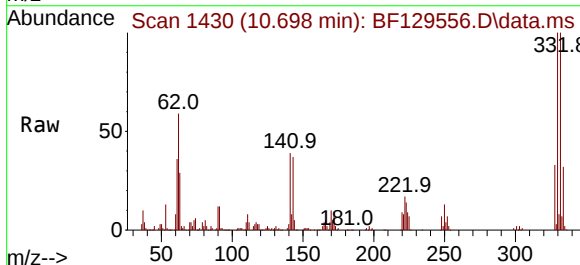
Instrument :
BNA_F
ClientSampleId :
RVE-100

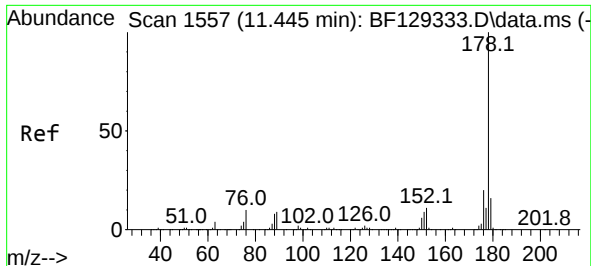
Tgt Ion:188 Resp: 307357
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.6
80 10.2 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 3.521 ng
RT: 10.698 min Scan# 1430
Delta R.T. -0.247 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

Tgt Ion:248 Resp: 11852
Ion Ratio Lower Upper
248 100
250 189.9 80.6 120.8#
141 581.0 58.9 88.3#

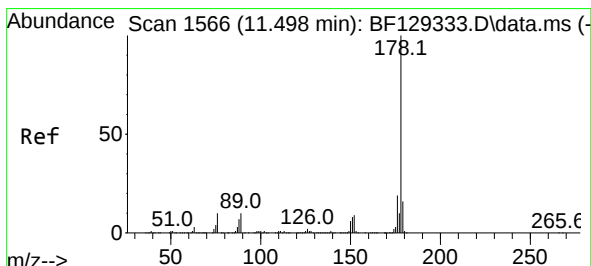
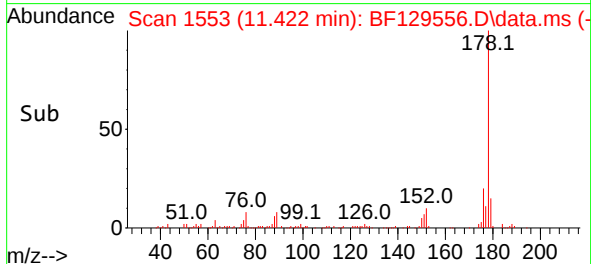
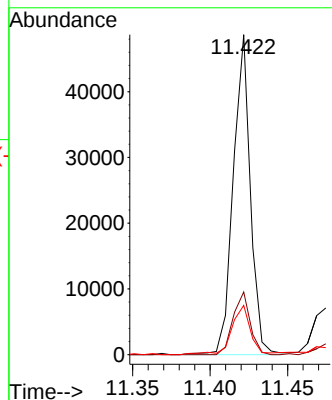
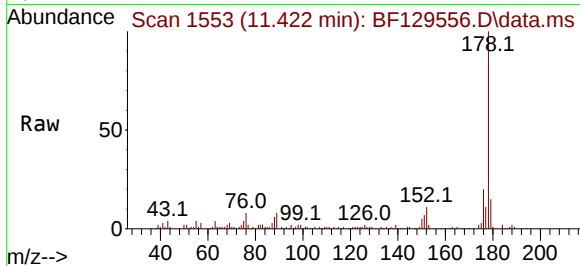




#71
Phenanthrene
Concen: 2.229 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

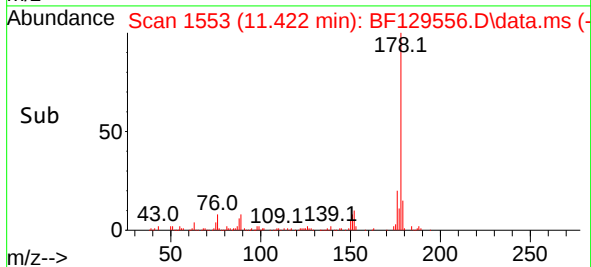
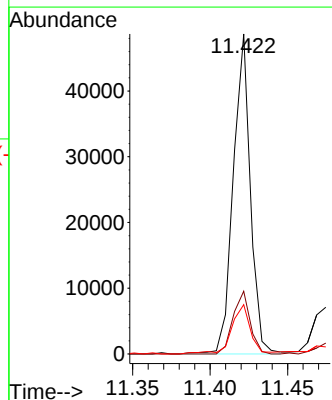
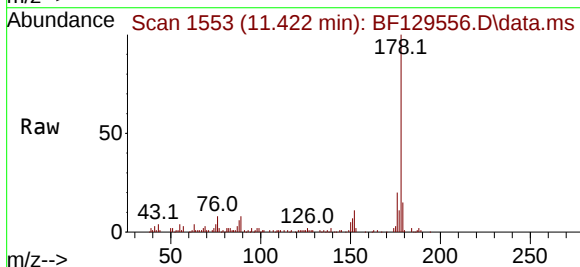
Instrument :
BNA_F
ClientSampleId :
RVE-100

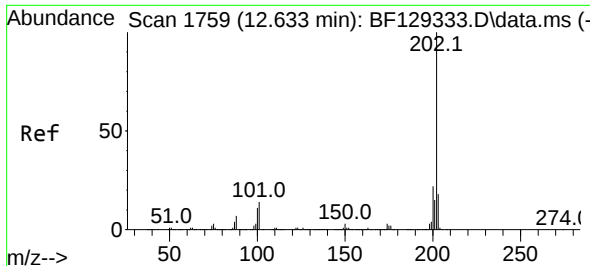
Tgt Ion:178 Resp: 37399
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.4 12.6 19.0



#72
Anthracene
Concen: 2.268 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.059 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

Tgt Ion:178 Resp: 37399
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.4 12.6 19.0

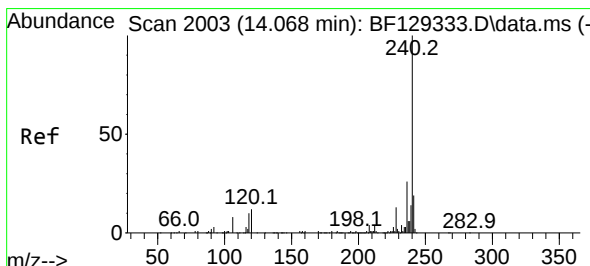
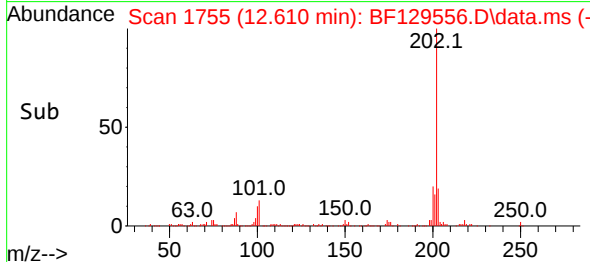
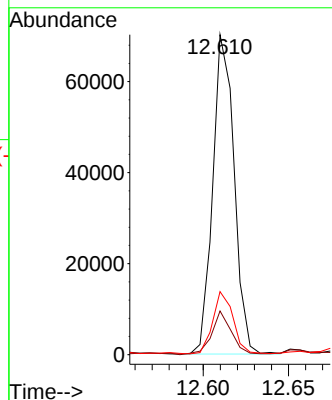
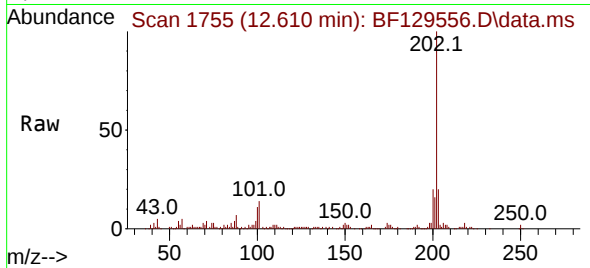




#75
Fluoranthene
Concen: 3.597 ng
RT: 12.610 min Scan# 1759
Delta R.T. -0.012 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

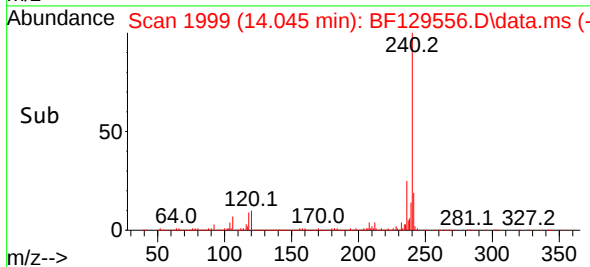
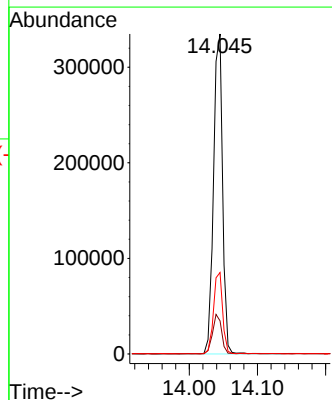
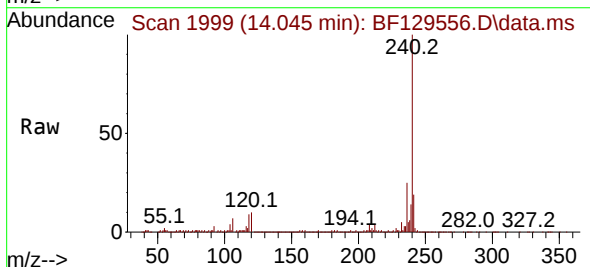
Instrument :
BNA_F
ClientSampleId :
RVE-100

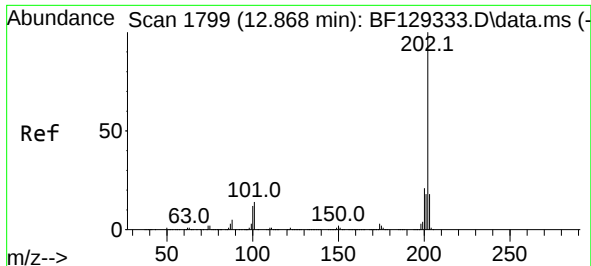
Tgt Ion:202 Resp: 61148
Ion Ratio Lower Upper
202 100
101 13.6 0.0 31.4
203 19.7 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

Tgt Ion:240 Resp: 309899
Ion Ratio Lower Upper
240 100
120 10.4 8.9 13.3
236 25.4 20.8 31.2

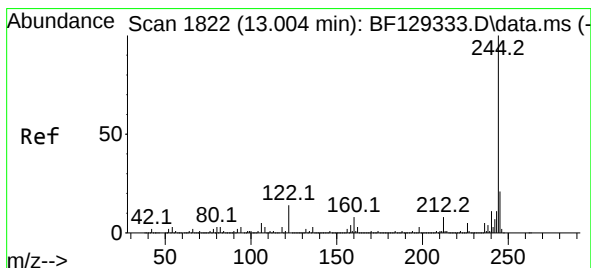
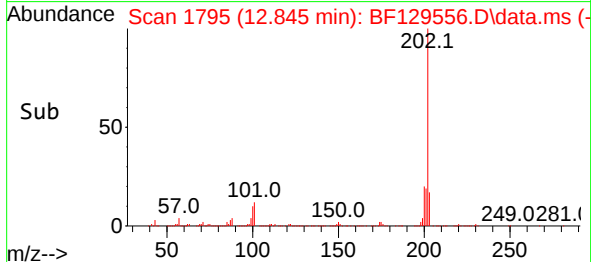
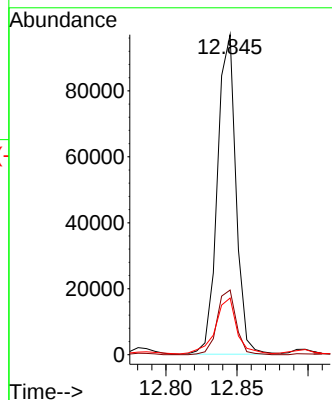
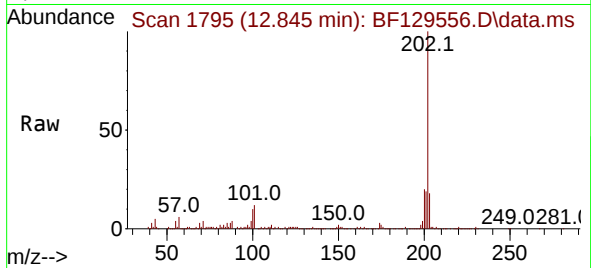




#78
Pyrene
Concen: 3.391 ng
RT: 12.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

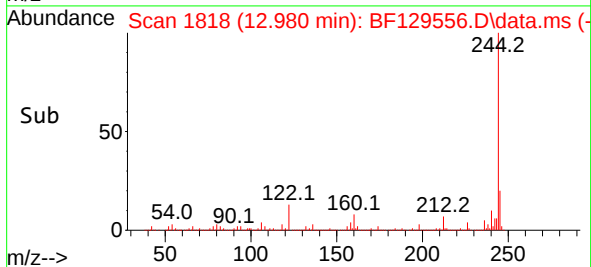
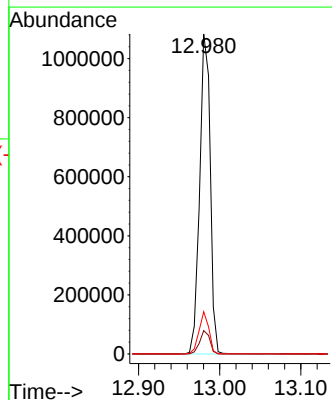
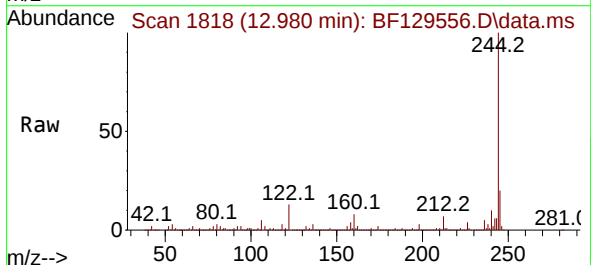
Instrument :
BNA_F
ClientSampleId :
RVE-100

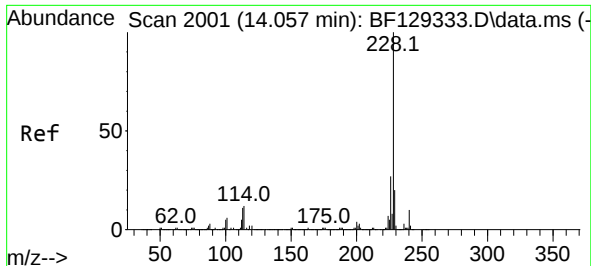
Tgt Ion:202 Resp: 87875
Ion Ratio Lower Upper
202 100
200 20.2 17.7 26.5
203 17.7 14.6 21.8



#79
Terphenyl-d14
Concen: 59.938 ng
RT: 12.980 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

Tgt Ion:244 Resp: 984569
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 13.2 8.8 13.2#

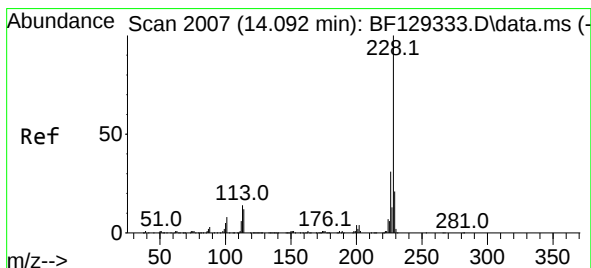
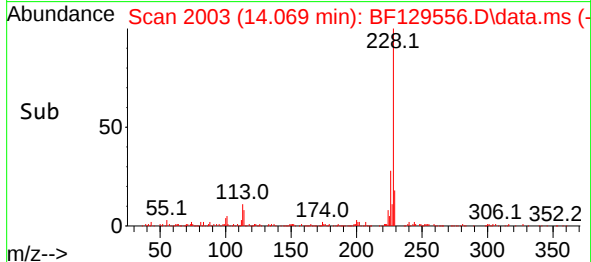
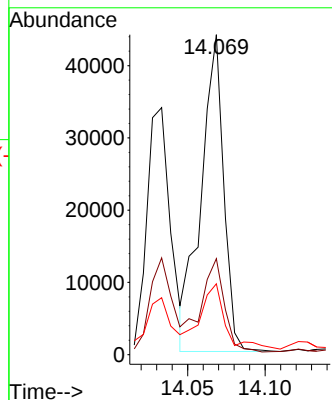
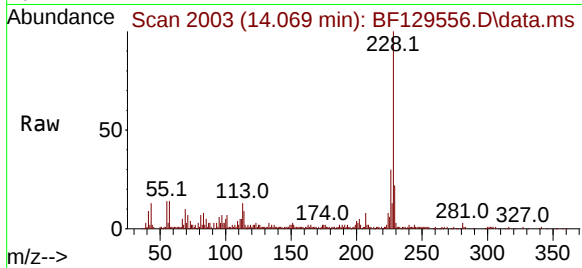




#81
Benzo(a)anthracene
Concen: 2.115 ng
RT: 14.069 min Scan# 2003
Delta R.T. 0.029 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

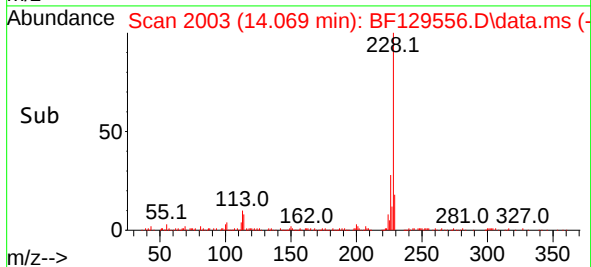
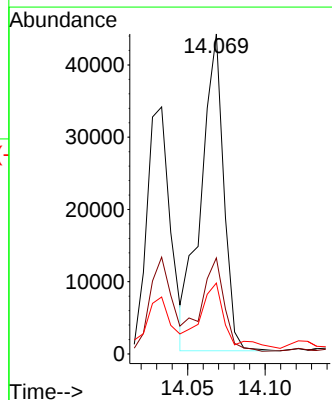
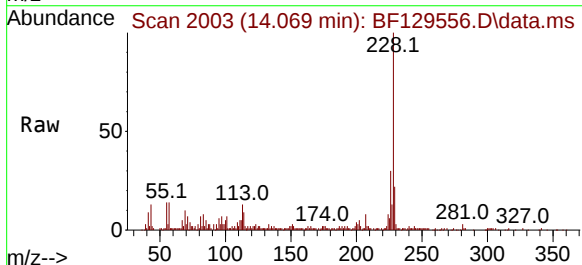
Instrument :
BNA_F
ClientSampleId :
RVE-100

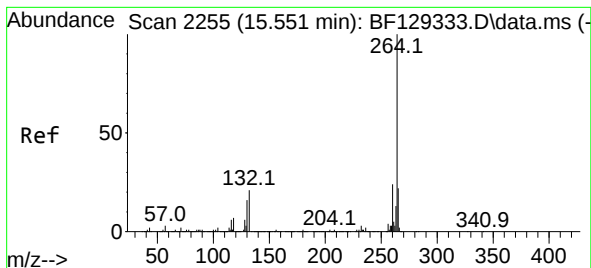
Tgt Ion:228 Resp: 44769
Ion Ratio Lower Upper
228 100
226 30.0 22.1 33.1
229 22.2 15.8 23.8



#83
Chrysene
Concen: 2.244 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF129556.D
Acq: 03 Aug 2022 23:49

Tgt Ion:228 Resp: 44769
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 22.2 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129556.D

Acq: 03 Aug 2022 23:49

Instrument :

BNA_F

ClientSampleId :

RVE-100

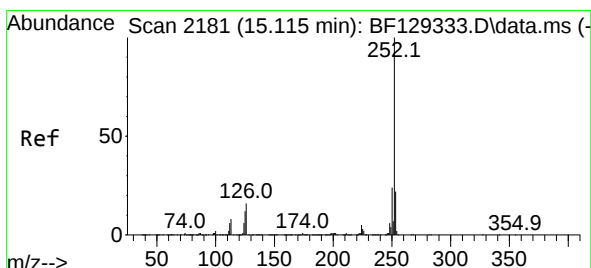
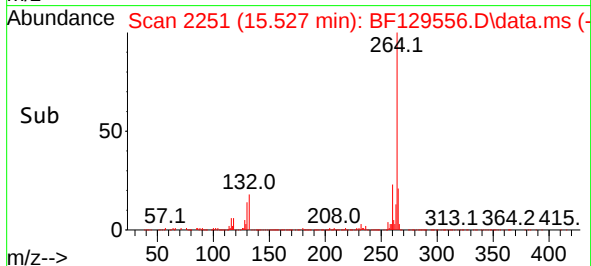
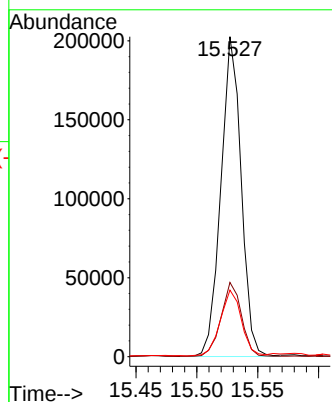
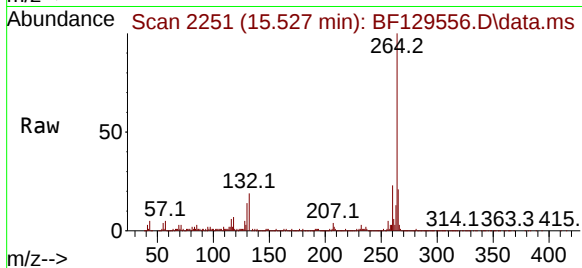
Tgt Ion:264 Resp: 234683

Ion Ratio Lower Upper

264 100

260 23.2 18.4 27.6

265 20.8 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 3.686 ng

RT: 15.092 min Scan# 2177

Delta R.T. 0.000 min

Lab File: BF129556.D

Acq: 03 Aug 2022 23:49

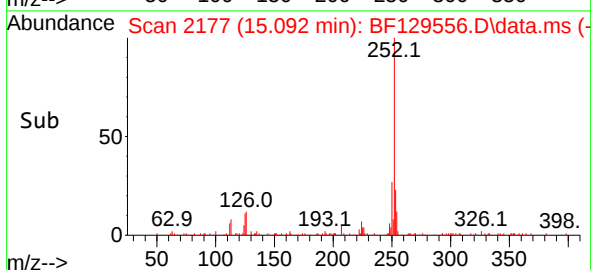
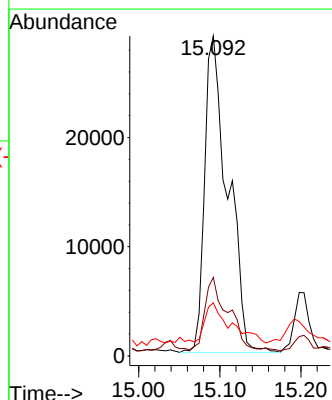
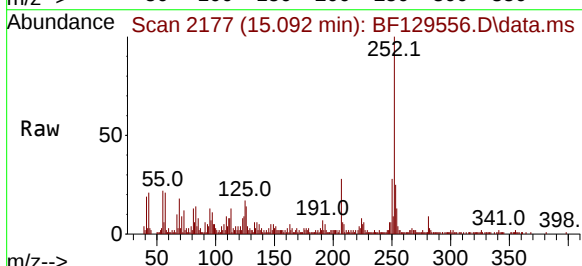
Tgt Ion:252 Resp: 57379

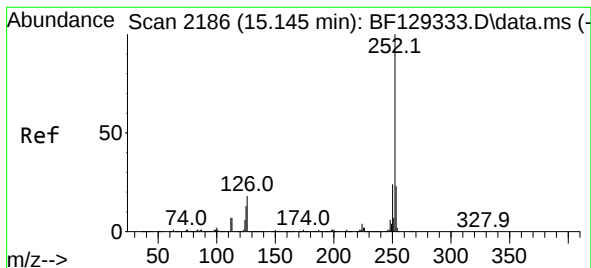
Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 16.6 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 3.761 ng

RT: 15.092 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF129556.D

Acq: 03 Aug 2022 23:49

Instrument :

BNA_F

ClientSampleId :

RVE-100

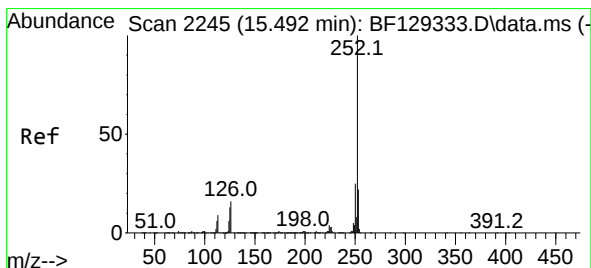
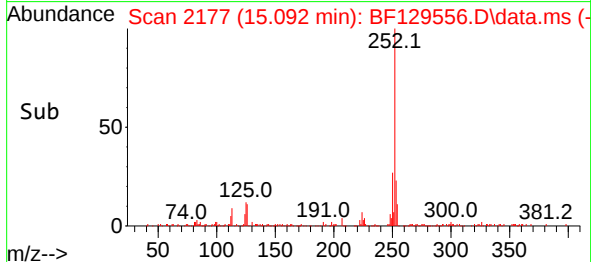
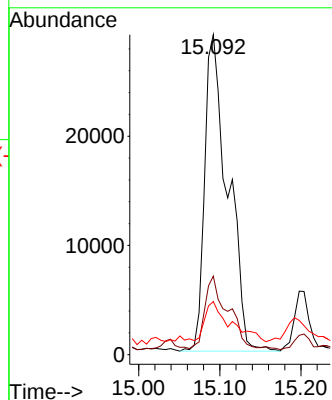
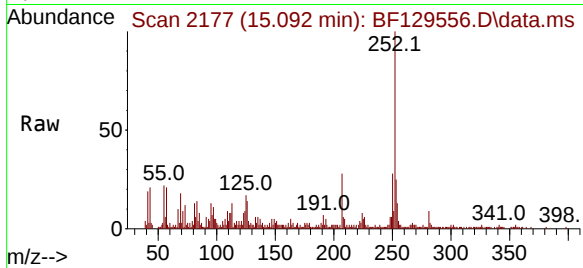
Tgt Ion:252 Resp: 57379

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.6

125 16.6 8.3 12.5#



#90

Benzo(a)pyrene

Concen: 2.021 ng

RT: 15.463 min Scan# 2240

Delta R.T. -0.006 min

Lab File: BF129556.D

Acq: 03 Aug 2022 23:49

Tgt Ion:252 Resp: 25544

Ion Ratio Lower Upper

252 100

253 25.7 17.0 25.6#

125 27.3 8.8 13.2#

