

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
 Data File : BF129550.D
 Acq On : 03 Aug 2022 20:31
 Operator : CG\JU
 Sample : N3930-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-112

Quant Time: Aug 04 02:20:36 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)

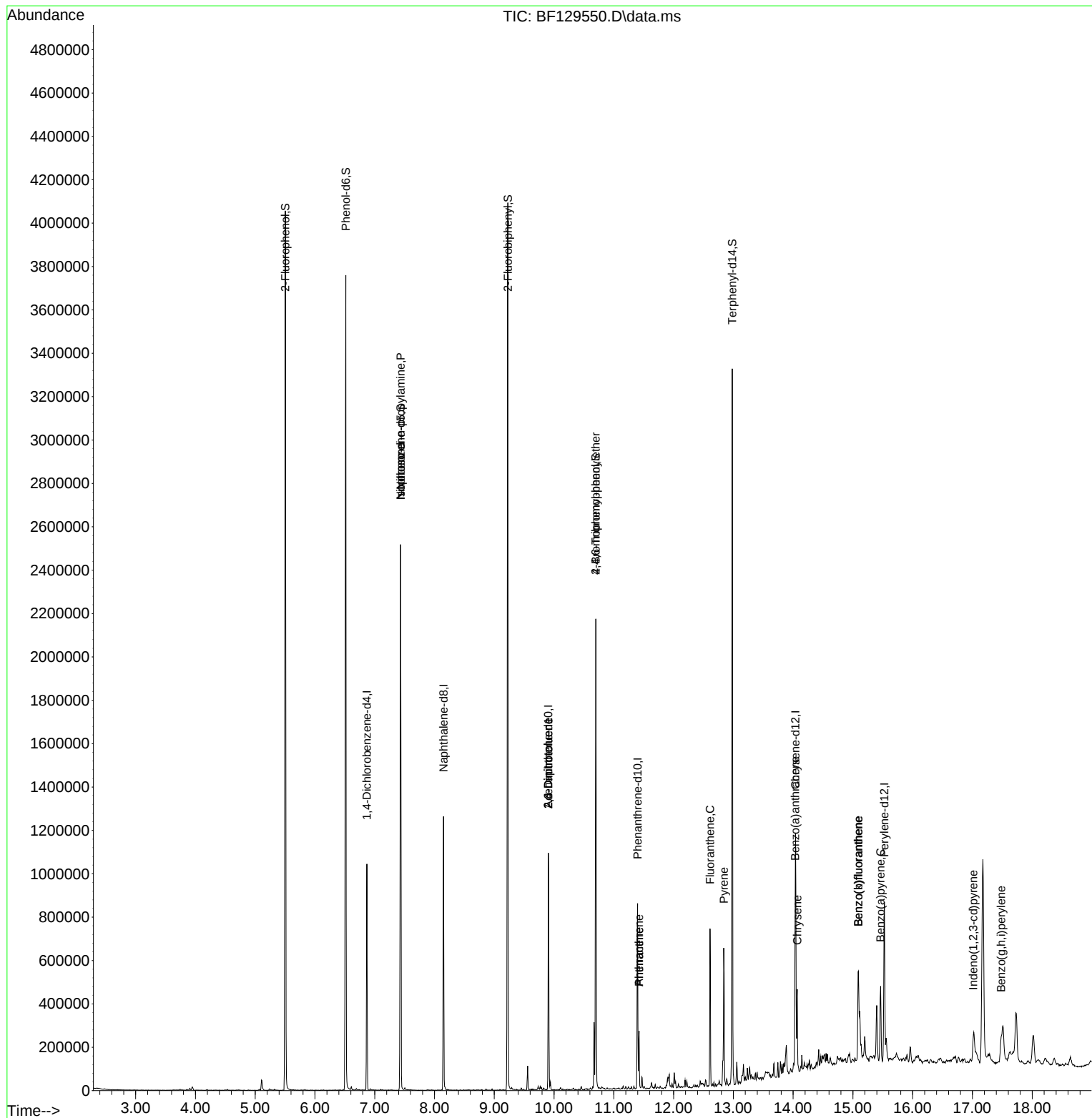
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	137255	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	493893	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	217250	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	304216	20.000	ng	0.00
76) Chrysene-d12	14.039	240	303202	20.000	ng	-0.01
86) Perylene-d12	15.527	264	316308	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1029752	122.215	ng	0.00
7) Phenol-d6	6.516	99	1232952	116.419	ng	0.00
23) Nitrobenzene-d5	7.434	82	778945	86.095	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	224044	107.265	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1275425	90.818	ng	0.00
79) Terphenyl-d14	12.980	244	1083436	67.413	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	104158	16.246	ng	# 73
25) Isophorone	7.434	82	778939	48.030	ng	# 65
51) 2,6-Dinitrotoluene	9.904	165	28364	8.450	ng	# 25
57) 2,4-Dinitrotoluene	9.904	165	28364	6.468	ng	# 21
67) 4-Bromophenyl-phenylether	10.698	248	15000	4.503	ng	# 1
71) Phenanthrene	11.422	178	89696	5.401	ng	99
72) Anthracene	11.422	178	89696	5.496	ng	100
75) Fluoranthene	12.610	202	260879	15.505	ng	97
78) Pyrene	12.839	202	244885	9.658	ng	98
81) Benzo(a)anthracene	14.033	228	154297	7.450	ng	98
83) Chrysene	14.069	228	147109	7.536	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	85081	3.994	ng	95
88) Benzo(b)fluoranthene	15.092	252	310408	14.794	ng	# 98
89) Benzo(k)fluoranthene	15.092	252	310408	15.097	ng	98
90) Benzo(a)pyrene	15.463	252	155727	9.143	ng	96
92) Benzo(g,h,i)perylene	17.480	276	76384	4.312	ng	98

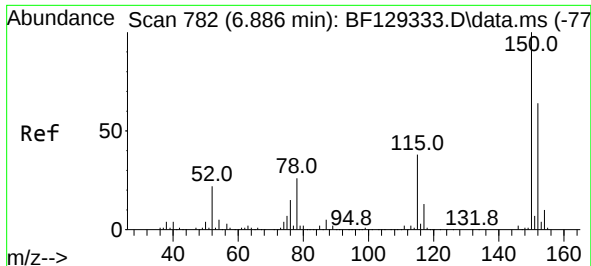
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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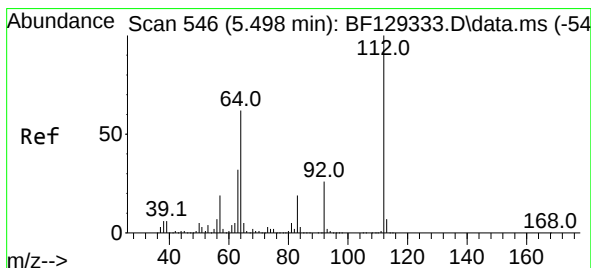
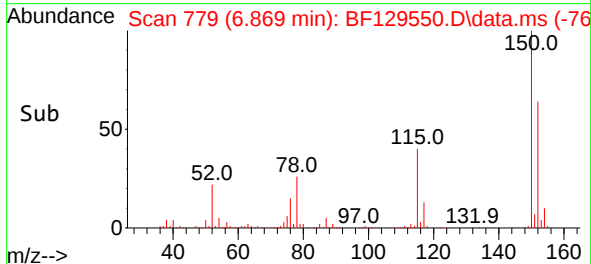
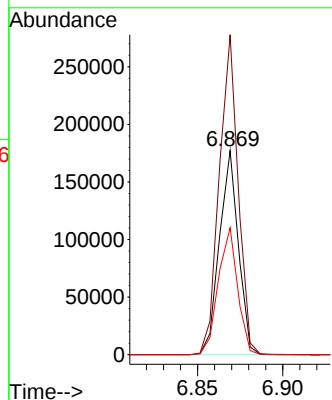
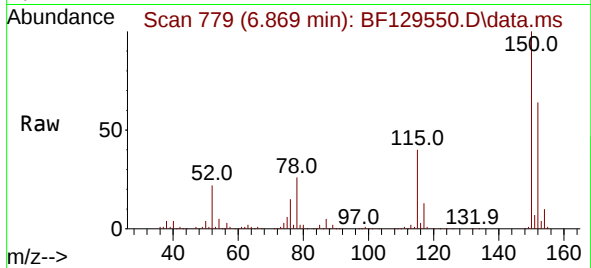




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

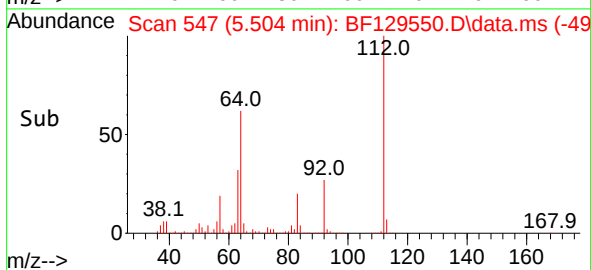
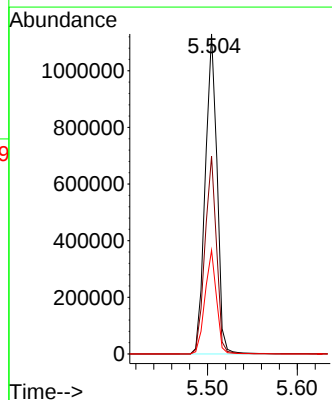
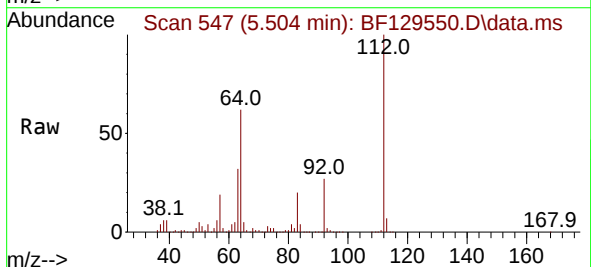
Instrument :
BNA_F
ClientSampleId :
RVE-112

Tgt Ion:152 Resp: 137255
Ion Ratio Lower Upper
152 100
150 156.7 123.7 185.5
115 62.3 49.9 74.9



#5
2-Fluorophenol
Concen: 122.215 ng
RT: 5.504 min Scan# 547
Delta R.T. 0.000 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

Tgt Ion:112 Resp: 1029752
Ion Ratio Lower Upper
112 100
64 61.8 53.3 79.9
63 32.4 28.0 42.0

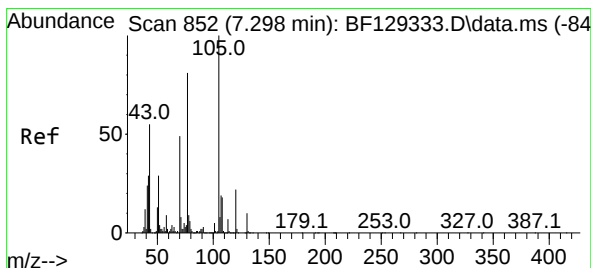
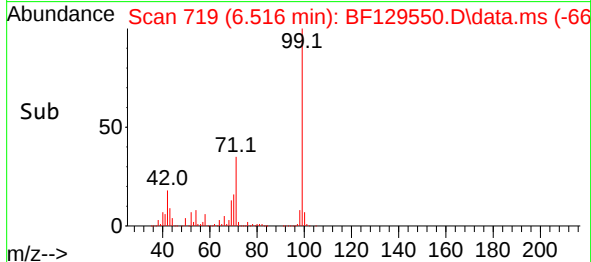
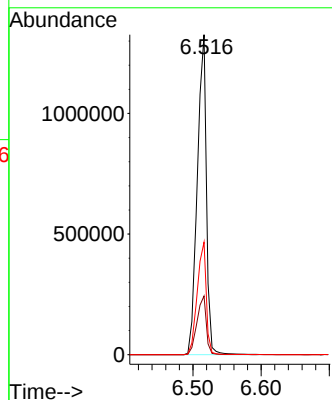
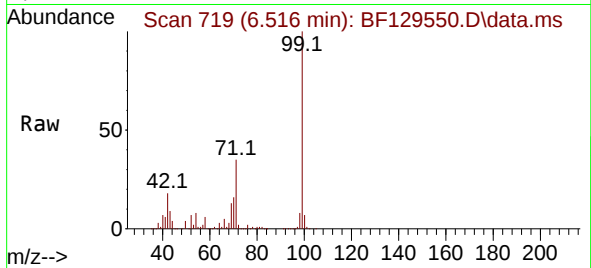




#7
Phenol-d6
Concen: 116.419 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

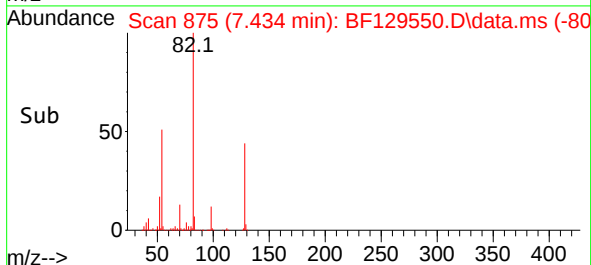
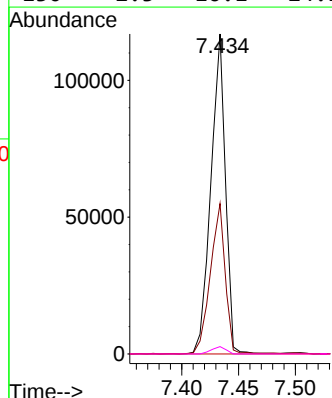
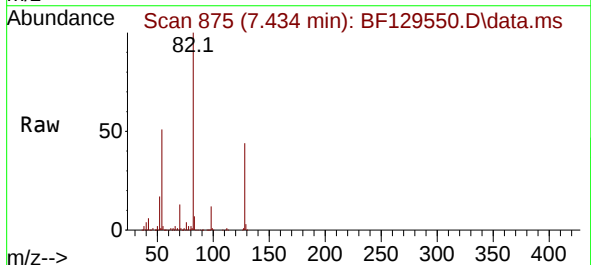
Instrument :
BNA_F
ClientSampleId :
RVE-112

Tgt Ion: 99 Resp: 1232952
Ion Ratio Lower Upper
99 100
42 18.4 17.3 25.9
71 35.1 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.246 ng
RT: 7.434 min Scan# 875
Delta R.T. 0.141 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

Tgt Ion: 70 Resp: 104158
Ion Ratio Lower Upper
70 100
42 47.0 52.3 78.5#
101 0.0 7.5 11.3#
130 2.3 16.1 24.1#



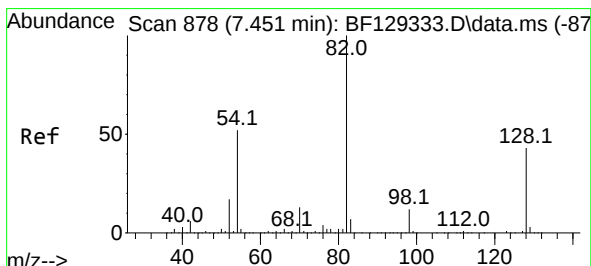
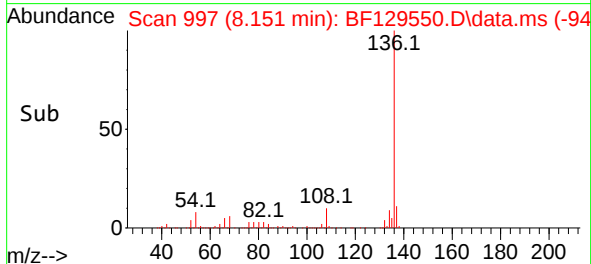
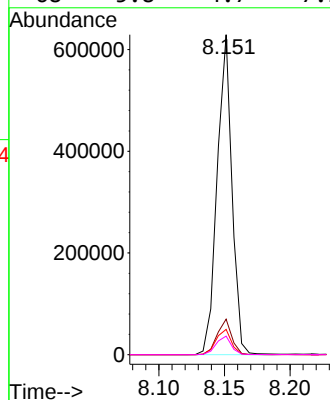
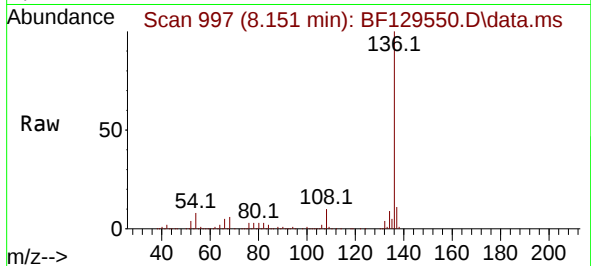


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

Instrument :
BNA_F
ClientSampleId :
RVE-112

Tgt Ion:136 Resp: 493893

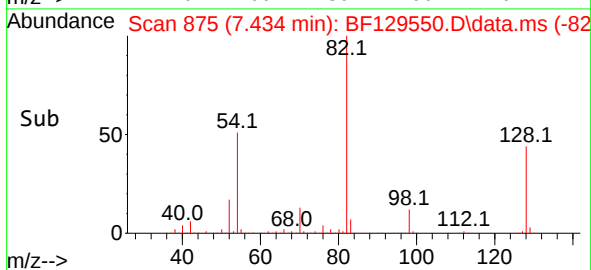
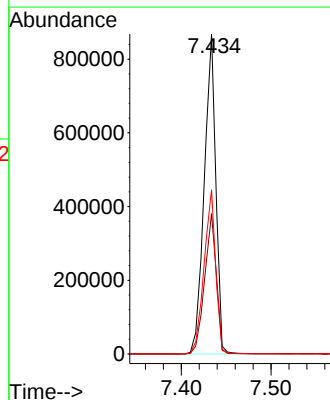
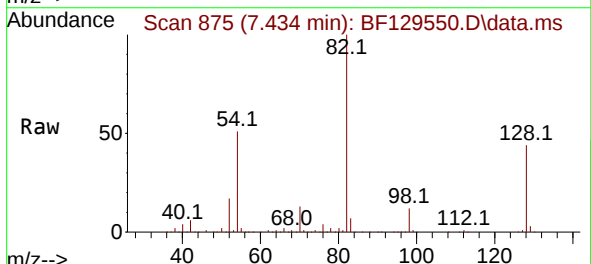
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.9	7.5	11.3
68	5.8	4.7	7.1

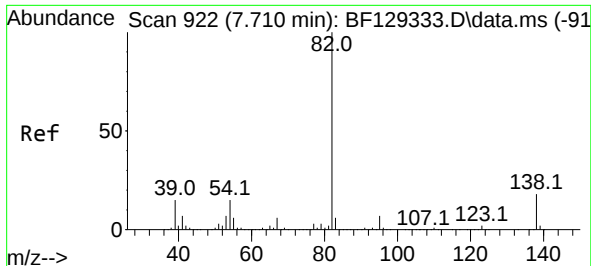


#23
Nitrobenzene-d5
Concen: 86.095 ng
RT: 7.434 min Scan# 875
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

Tgt Ion: 82 Resp: 778945

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.0	51.0
54	51.3	46.9	70.3

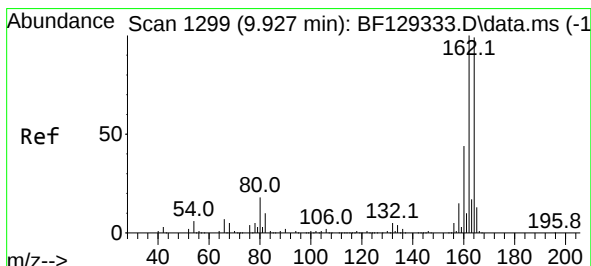
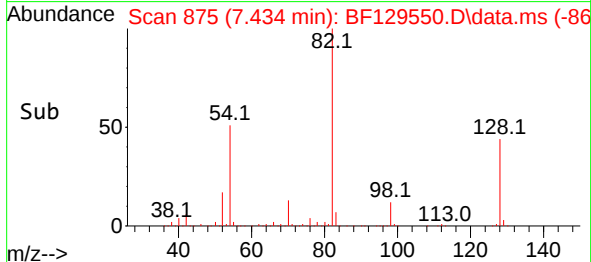
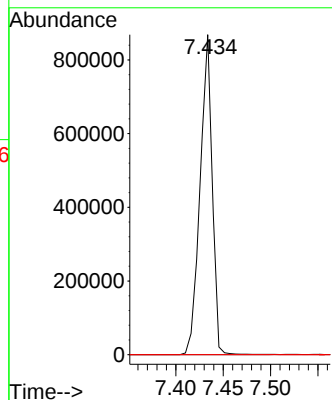
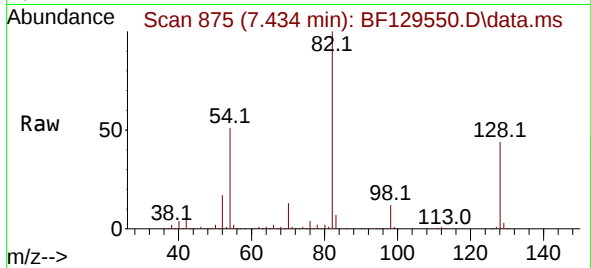




#25
Isophorone
Concen: 48.030 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

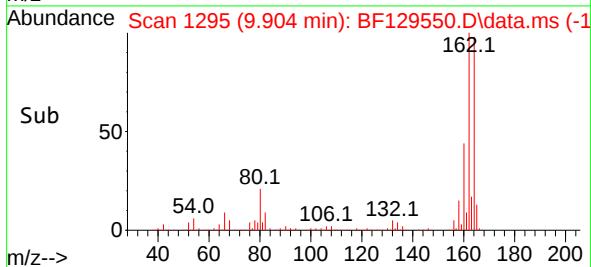
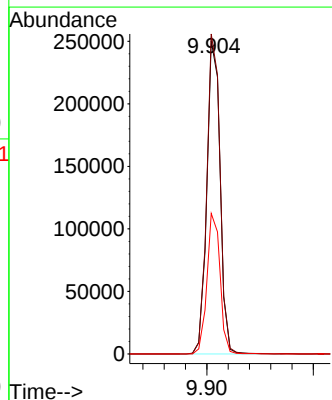
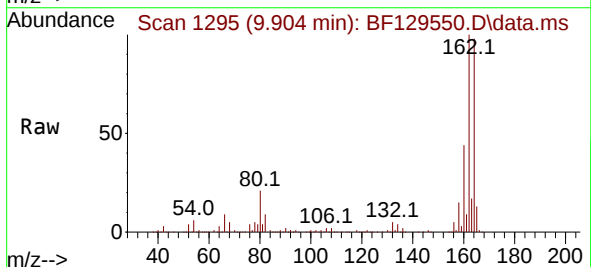
Instrument :
BNA_F
ClientSampleId :
RVE-112

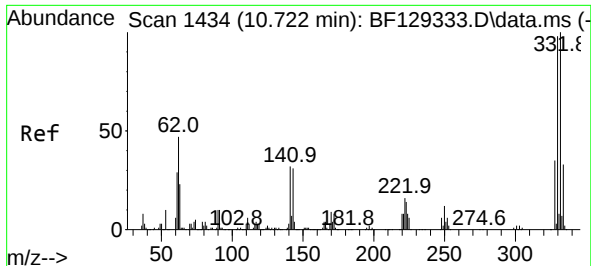
Tgt Ion: 82 Resp: 778939
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

Tgt Ion:164 Resp: 217250
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 44.9 34.2 51.4

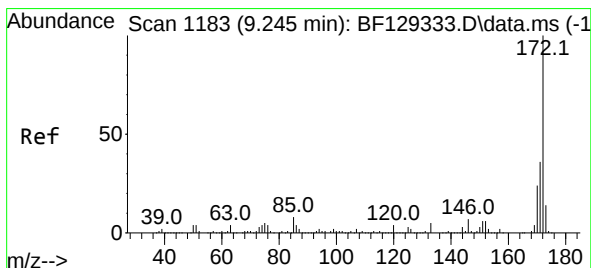
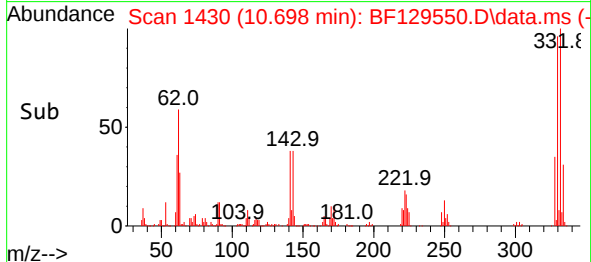
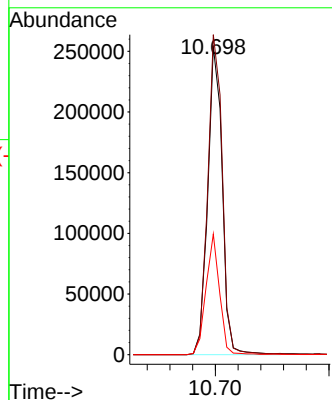
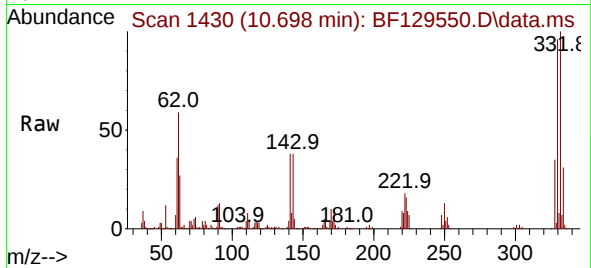




#42
2,4,6-Tribromophenol
Concen: 107.265 ng
RT: 10.698 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

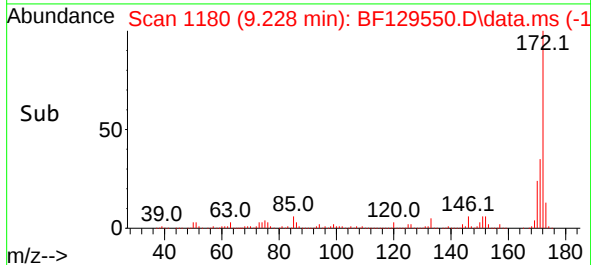
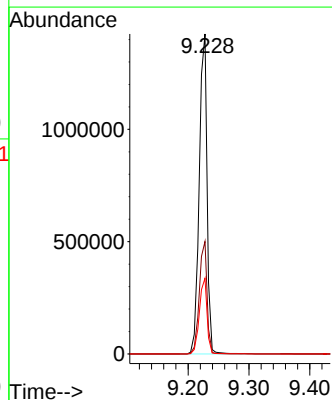
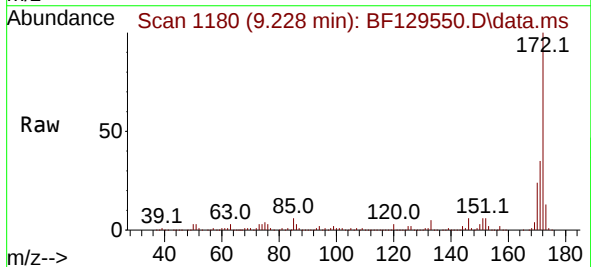
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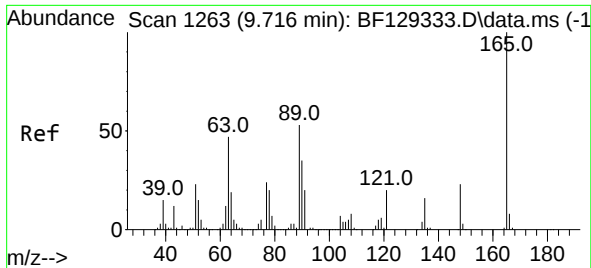
Tgt Ion:330 Resp: 224044
Ion Ratio Lower Upper
330 100
332 105.1 76.8 115.2
141 36.7 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 90.818 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

Tgt Ion:172 Resp: 1275425
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.7 19.8 29.8

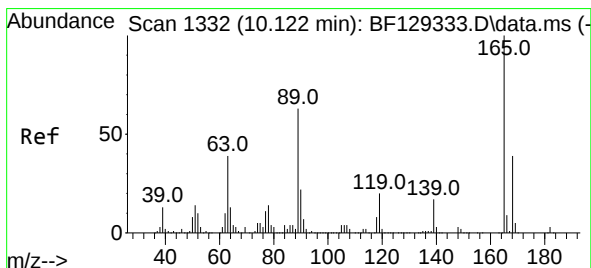
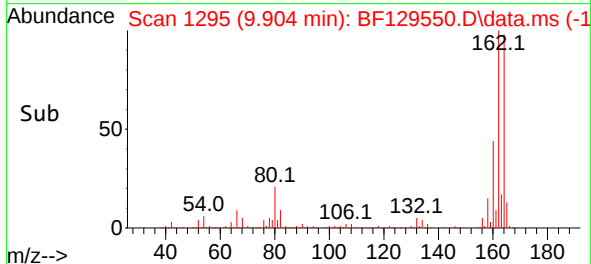
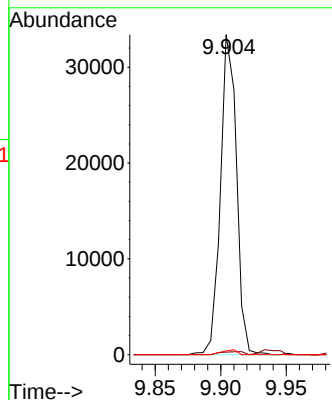
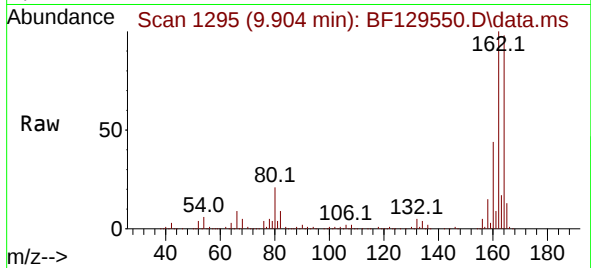




#51
2,6-Dinitrotoluene
Concen: 8.450 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

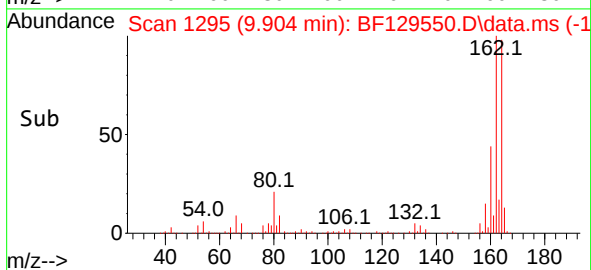
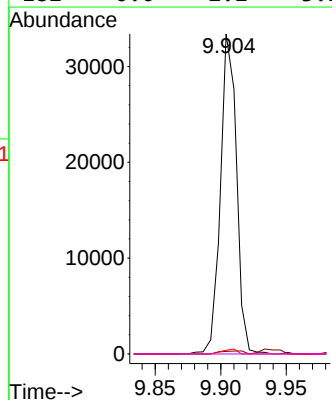
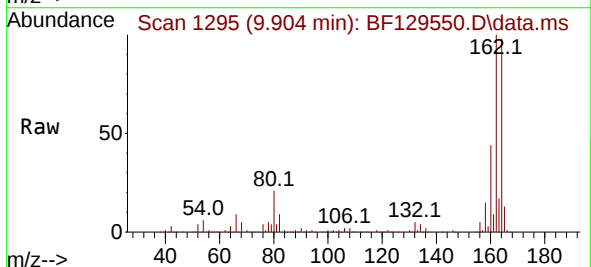
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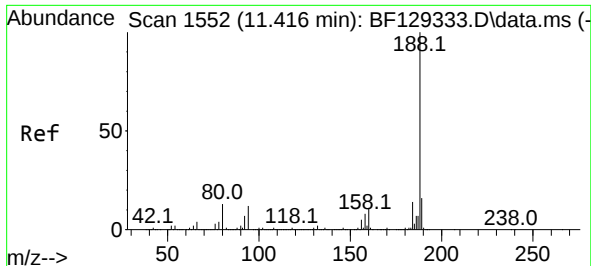
Tgt Ion:165 Resp: 28364
Ion Ratio Lower Upper
165 100
63 0.8 44.9 67.3#
89 1.2 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.468 ng
RT: 9.904 min Scan# 1295
Delta R.T. -0.206 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

Tgt Ion:165 Resp: 28364
Ion Ratio Lower Upper
165 100
63 0.8 39.8 59.6#
89 1.2 60.2 90.2#
182 0.0 2.2 3.2#

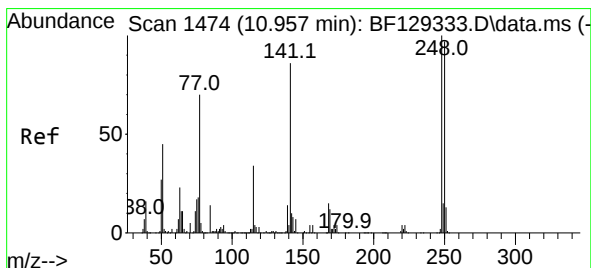
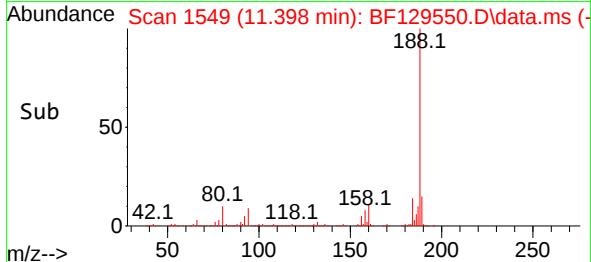
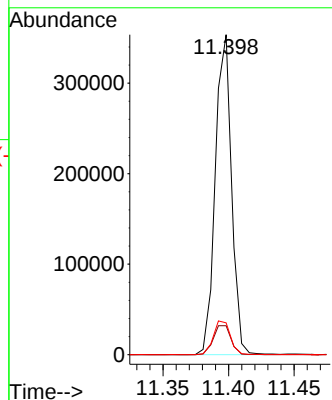
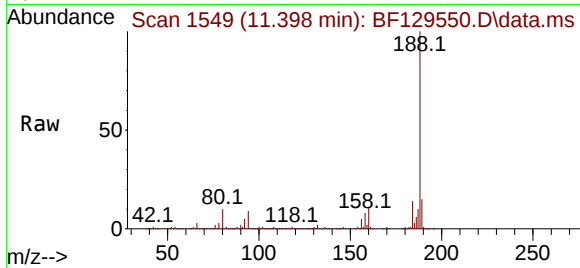




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

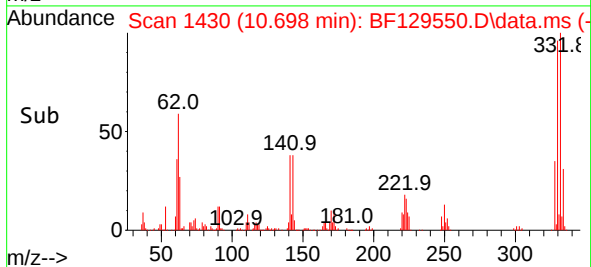
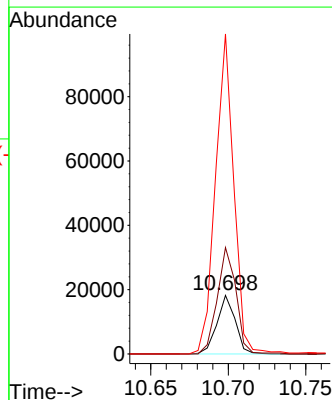
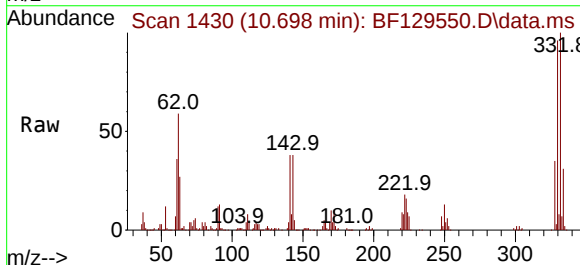
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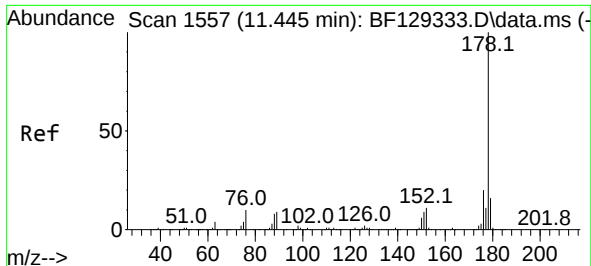
Tgt Ion:188 Resp: 304216
Ion Ratio Lower Upper
188 100
94 9.1 7.0 10.6
80 10.0 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 4.503 ng
RT: 10.698 min Scan# 1430
Delta R.T. -0.247 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

Tgt Ion:248 Resp: 15000
Ion Ratio Lower Upper
248 100
250 181.7 80.6 120.8#
141 546.2 58.9 88.3#

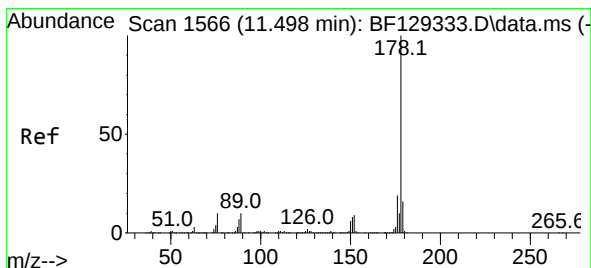
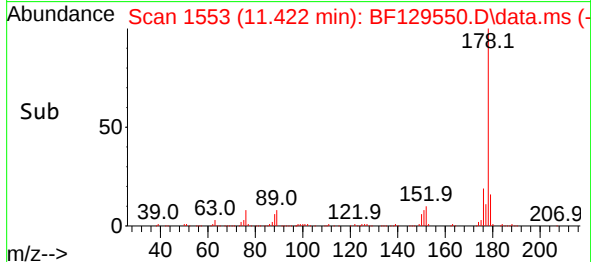
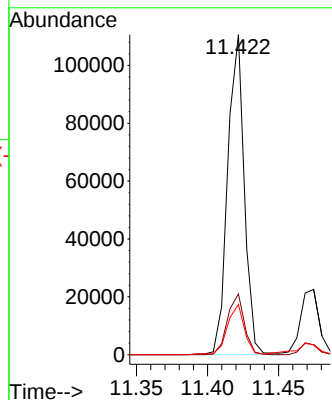
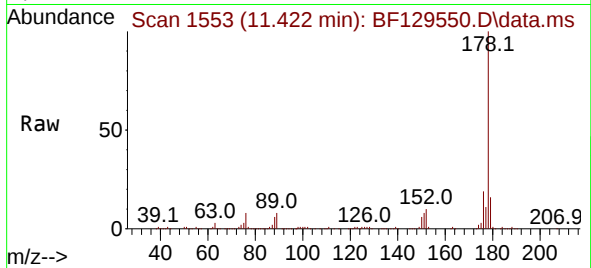




#71
Phenanthrene
Concen: 5.401 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

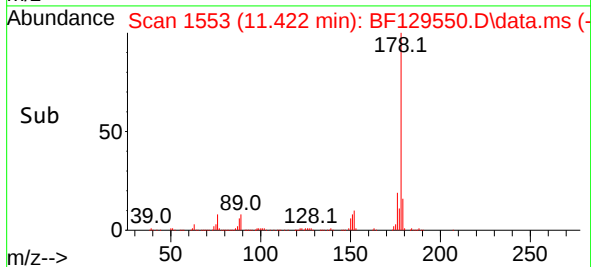
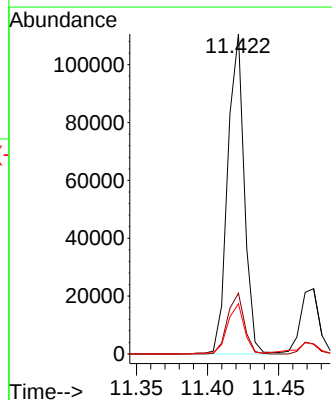
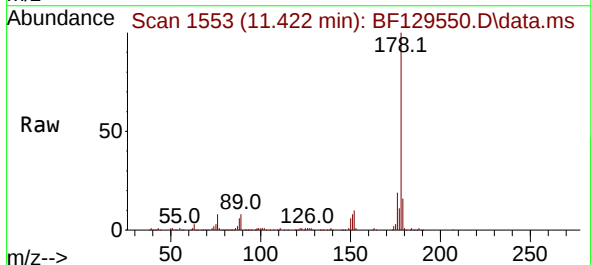
Instrument :
BNA_F
ClientSampleId :
RVE-112

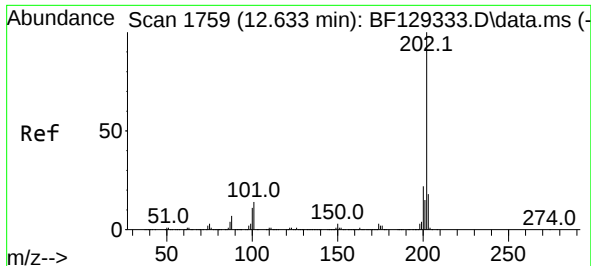
Tgt Ion:178 Resp: 89696
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.7 12.6 19.0



#72
Anthracene
Concen: 5.496 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.059 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

Tgt Ion:178 Resp: 89696
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.7 12.6 19.0

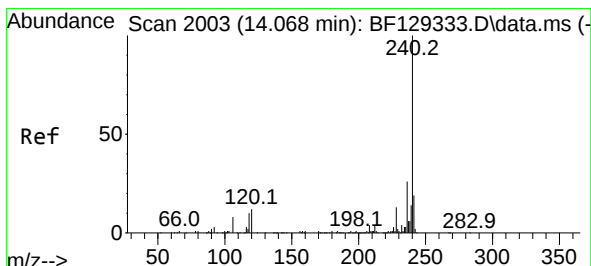
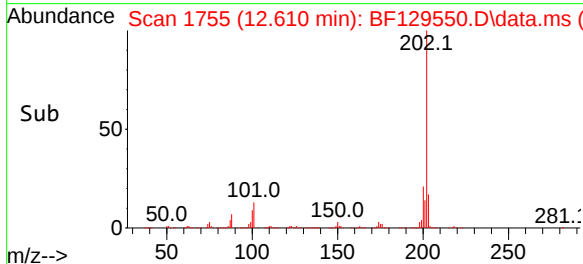
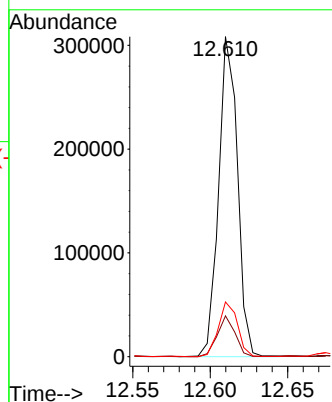
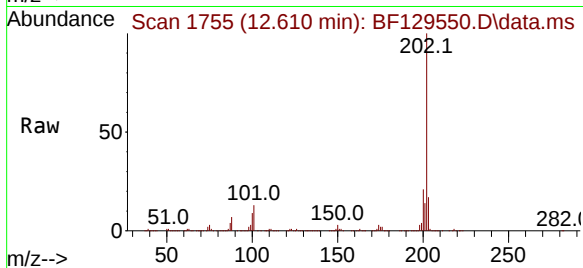




#75
Fluoranthene
Concen: 15.505 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

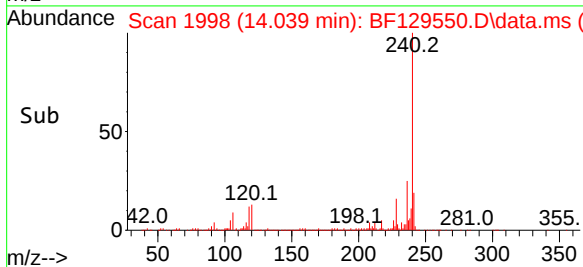
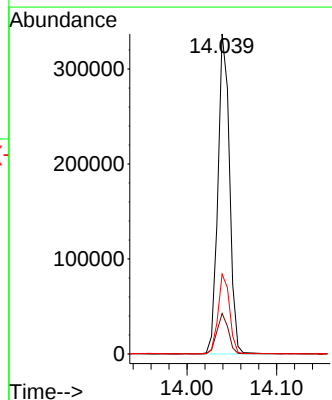
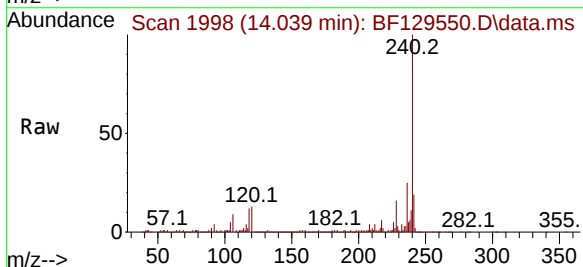
Instrument :
BNA_F
ClientSampleId :
RVE-112

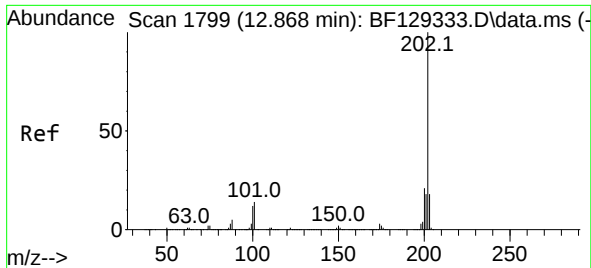
Tgt Ion:202 Resp: 260879
Ion Ratio Lower Upper
202 100
101 12.8 0.0 31.4
203 17.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

Tgt Ion:240 Resp: 303202
Ion Ratio Lower Upper
240 100
120 12.7 8.9 13.3
236 24.9 20.8 31.2

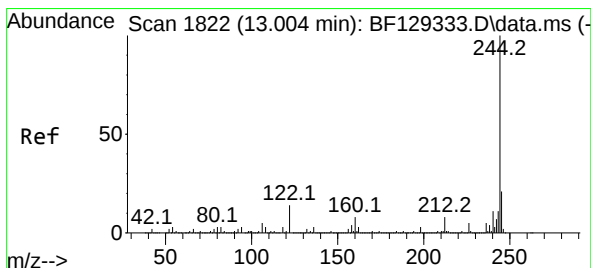
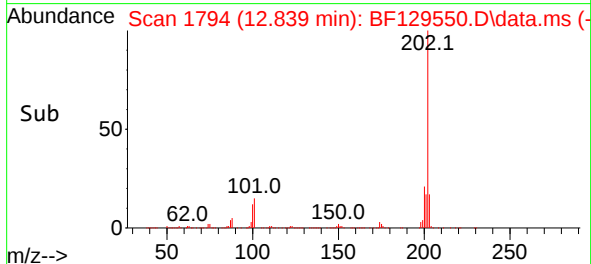
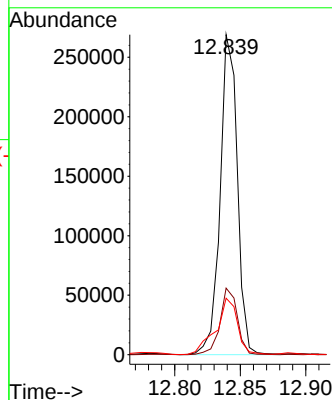
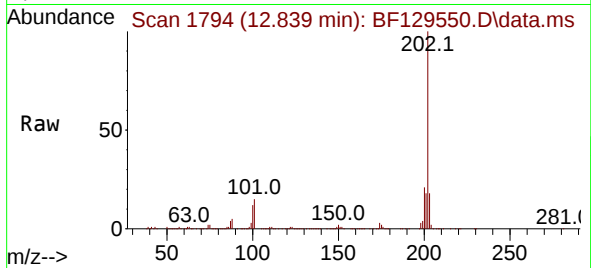




#78
 Pyrene
 Concen: 9.658 ng
 RT: 12.839 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF129550.D
 Acq: 03 Aug 2022 20:31

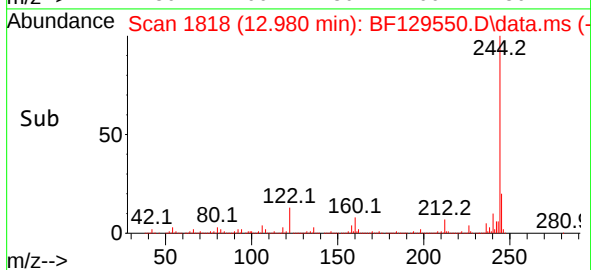
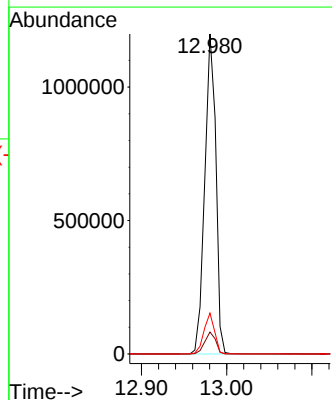
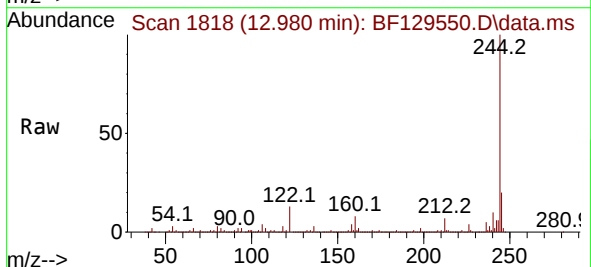
Instrument :
 BNA_F
 ClientSampleId :
 RVE-112

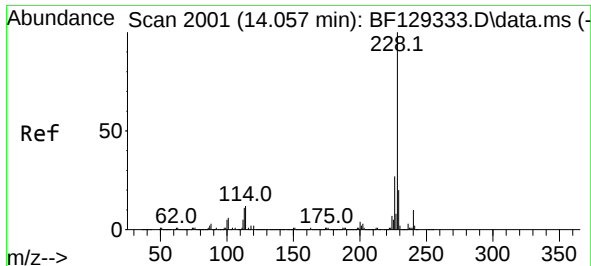
Tgt Ion:202 Resp: 244885
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.7 26.5
 203 17.7 14.6 21.8



#79
 Terphenyl-d14
 Concen: 67.413 ng
 RT: 12.980 min Scan# 1818
 Delta R.T. -0.006 min
 Lab File: BF129550.D
 Acq: 03 Aug 2022 20:31

Tgt Ion:244 Resp: 1083436
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 12.7 8.8 13.2

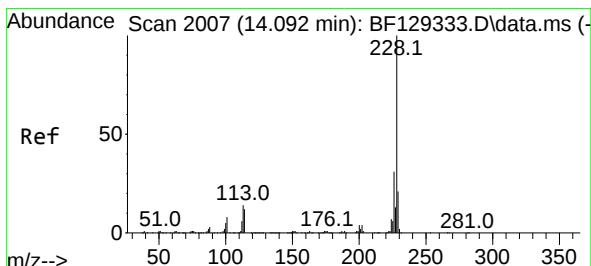
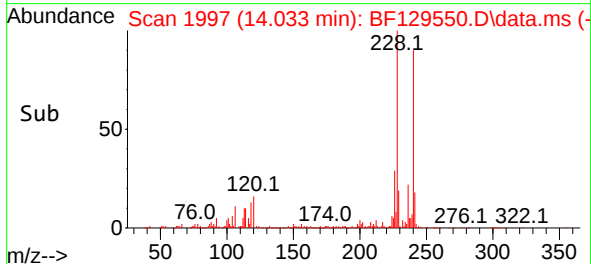
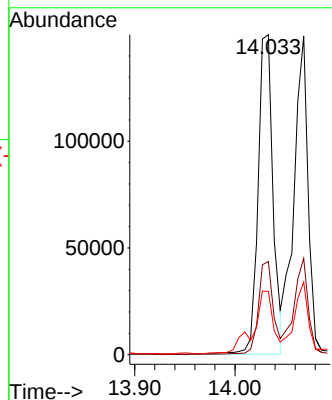
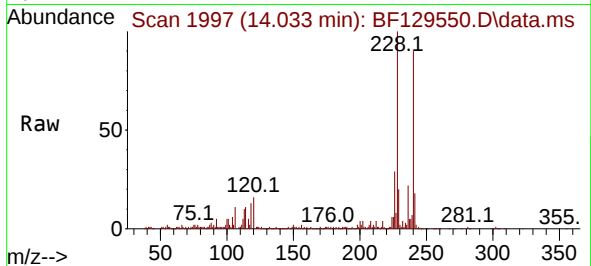




#81
Benzo(a)anthracene
Concen: 7.450 ng
RT: 14.033 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

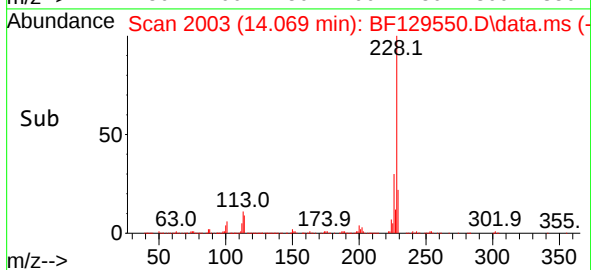
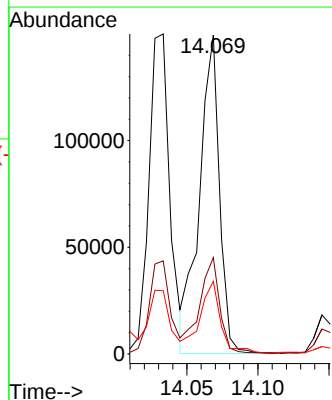
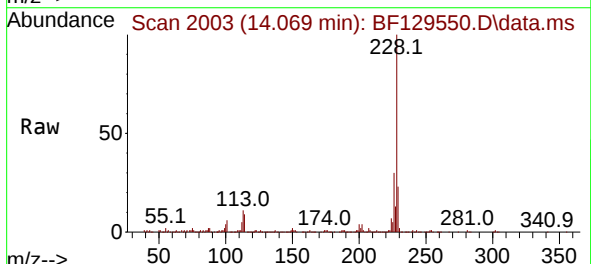
Instrument :
BNA_F
ClientSampleId :
RVE-112

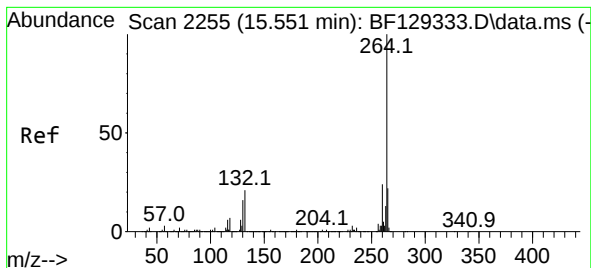
Tgt Ion:228 Resp: 154297
Ion Ratio Lower Upper
228 100
226 29.1 22.1 33.1
229 19.7 15.8 23.8



#83
Chrysene
Concen: 7.536 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BF129550.D
Acq: 03 Aug 2022 20:31

Tgt Ion:228 Resp: 147109
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 22.8 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: BF129550.D

Acq: 03 Aug 2022 20:31

Instrument :

BNA_F

ClientSampleId :

RVE-112

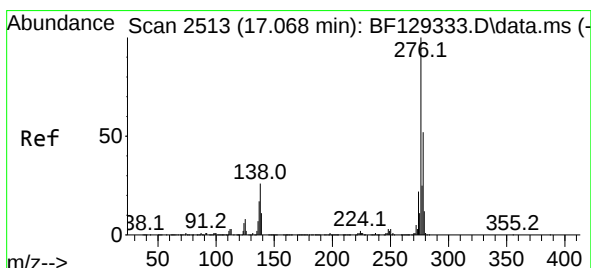
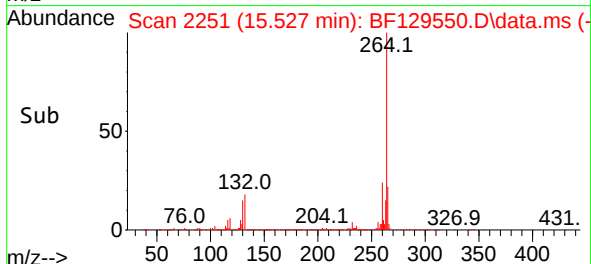
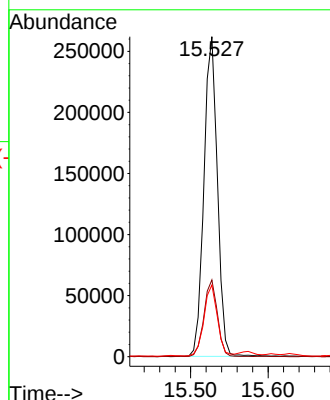
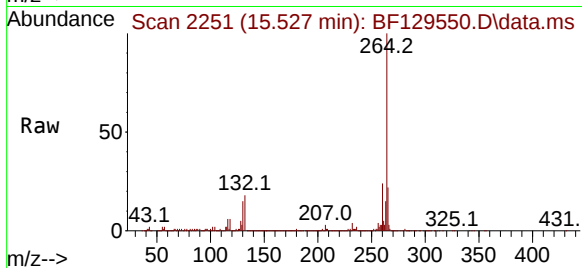
Tgt Ion:264 Resp: 316308

Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 22.4 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.994 ng

RT: 17.015 min Scan# 2504

Delta R.T. -0.018 min

Lab File: BF129550.D

Acq: 03 Aug 2022 20:31

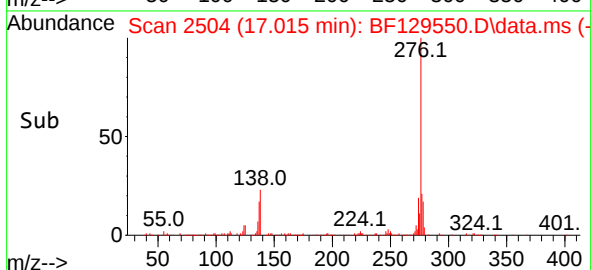
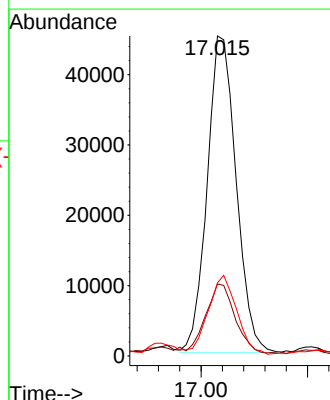
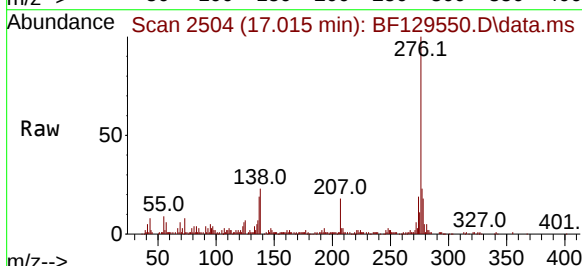
Tgt Ion:276 Resp: 85081

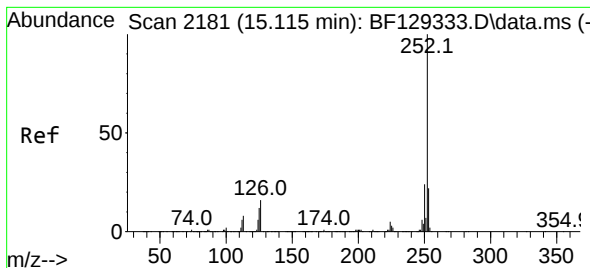
Ion Ratio Lower Upper

276 100

138 22.6 21.1 31.7

277 24.1 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 14.794 ng

RT: 15.092 min Scan# 2177

Delta R.T. 0.000 min

Lab File: BF129550.D

Acq: 03 Aug 2022 20:31

Instrument :

BNA_F

ClientSampleId :

RVE-112

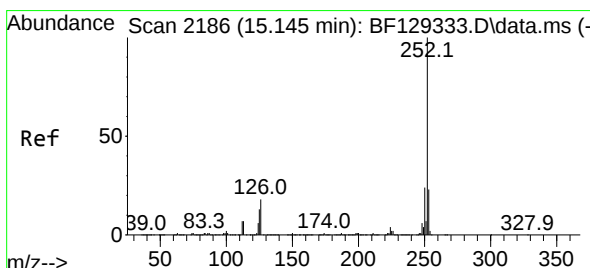
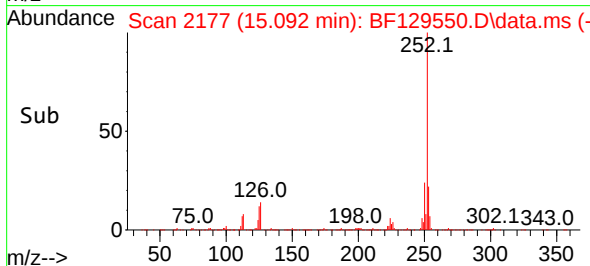
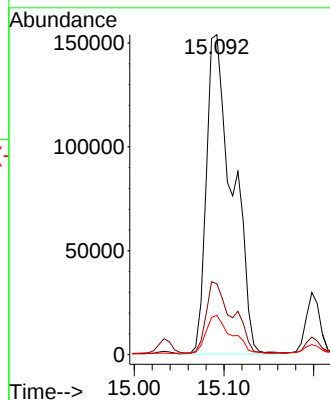
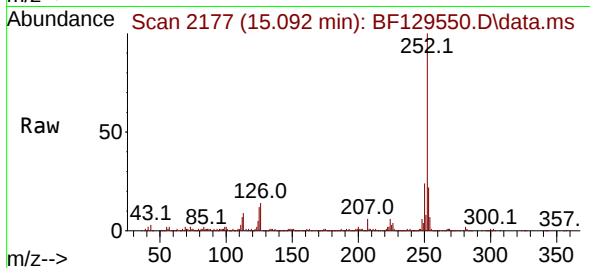
Tgt Ion:252 Resp: 310408

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

125 12.3 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 15.097 ng

RT: 15.092 min Scan# 2177

Delta R.T. -0.029 min

Lab File: BF129550.D

Acq: 03 Aug 2022 20:31

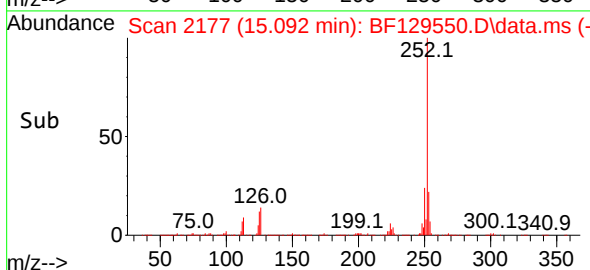
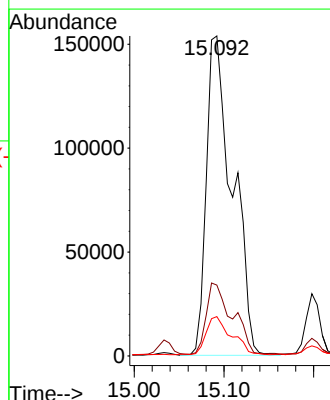
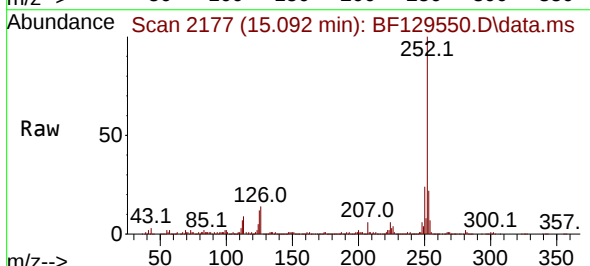
Tgt Ion:252 Resp: 310408

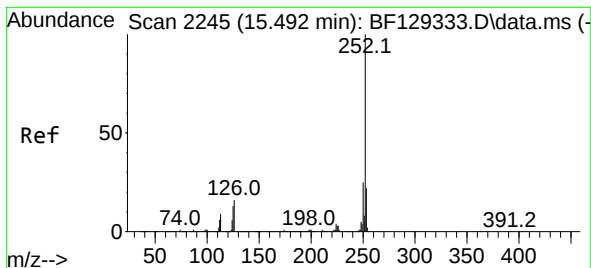
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 12.3 8.3 12.5





#90

Benzo(a)pyrene

Concen: 9.143 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129550.D

Acq: 03 Aug 2022 20:31

Instrument :

BNA_F

ClientSampleId :

RVE-112

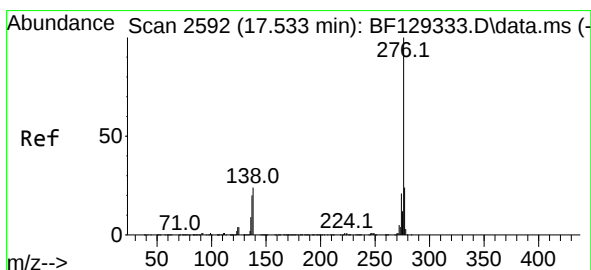
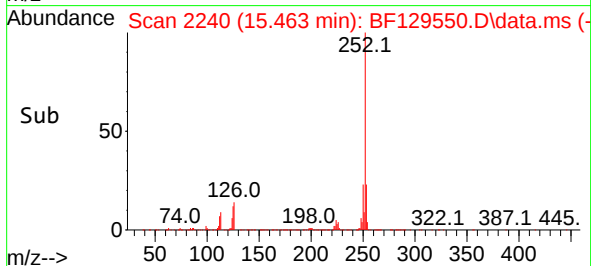
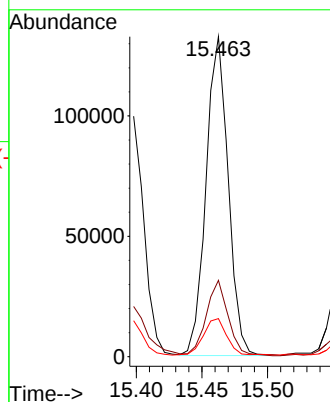
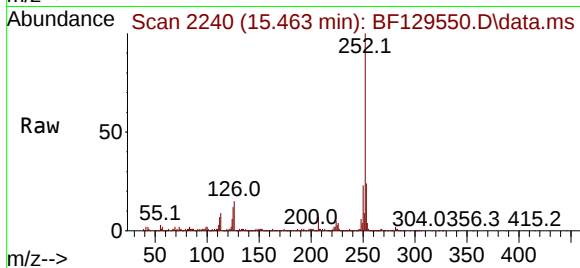
Tgt Ion:252 Resp: 155727

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.6

125 11.9 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 4.312 ng

RT: 17.480 min Scan# 2583

Delta R.T. -0.012 min

Lab File: BF129550.D

Acq: 03 Aug 2022 20:31

Tgt Ion:276 Resp: 76384

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 20.8 18.0 27.0

