

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
 Data File : BF129591.D
 Acq On : 05 Aug 2022 03:04
 Operator : CG\JU
 Sample : N3930-15
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-107

Quant Time: Aug 05 03:31:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 02:05:37 2022
 Response via : Initial Calibration

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

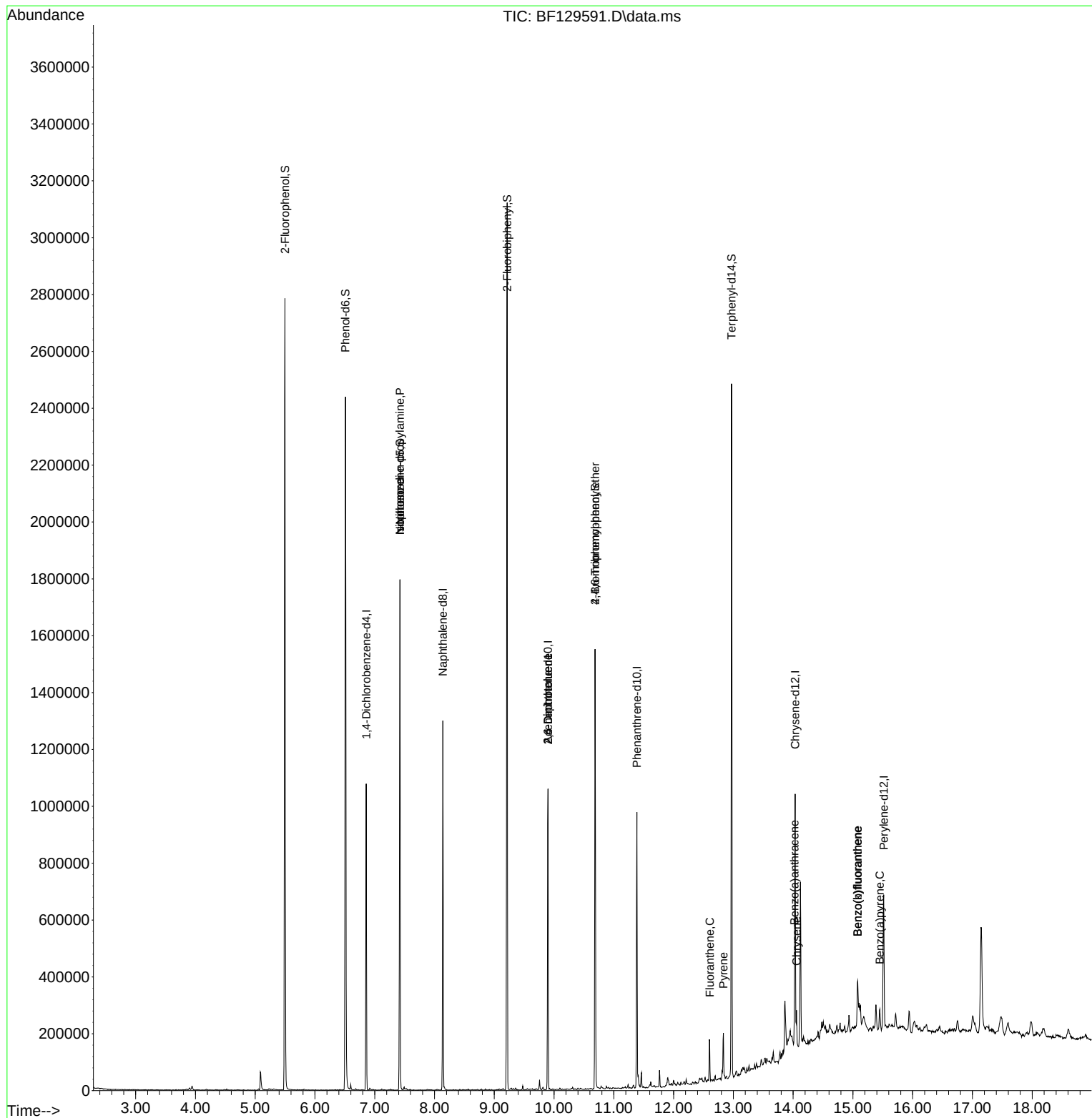
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	142072	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	498913	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	211719	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	313040	20.000	ng	0.00
76) Chrysene-d12	14.033	240	260418	20.000	ng	0.00
86) Perylene-d12	15.516	264	210345	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	739584	84.801	ng	0.00
7) Phenol-d6	6.510	99	882645	80.516	ng	0.00
23) Nitrobenzene-d5	7.422	82	532986	58.317	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	156234	76.754	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	899648	65.734	ng	0.00
79) Terphenyl-d14	12.969	244	791485	57.339	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	71639	10.795	ng	# 73
25) Isophorone	7.422	82	530414	32.377	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	27493	8.404	ng	# 26
57) 2,4-Dinitrotoluene	9.898	165	27493	6.433	ng	# 21
67) 4-Bromophenyl-phenylether	10.686	248	10085	2.942	ng	# 1
75) Fluoranthene	12.604	202	57194	3.303	ng	98
78) Pyrene	12.833	202	60946	2.799	ng	96
81) Benzo(a)anthracene	14.022	228	36882	2.073	ng	93
83) Chrysene	14.057	228	55747	3.325	ng	98
88) Benzo(b)fluoranthene	15.080	252	109939	7.879	ng	# 95
89) Benzo(k)fluoranthene	15.080	252	109939	8.040	ng	# 95
90) Benzo(a)pyrene	15.451	252	30389	2.683	ng	# 92

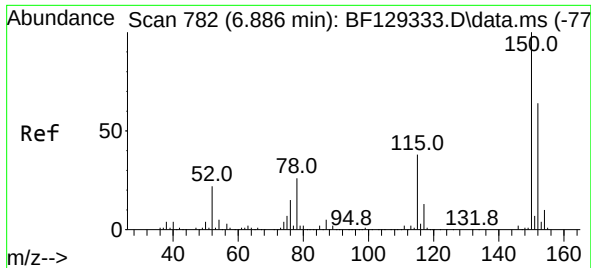
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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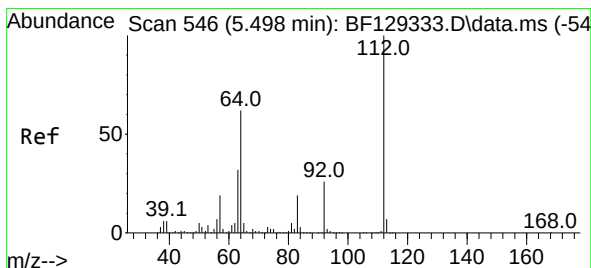
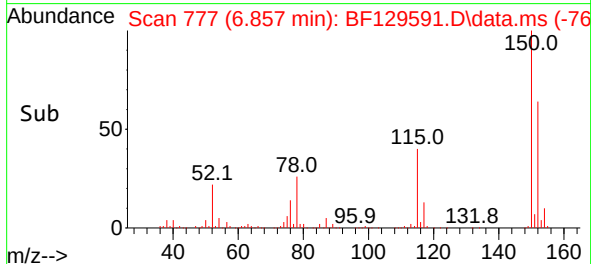
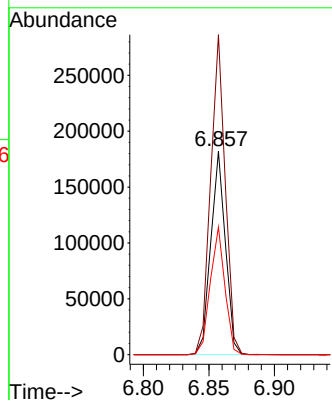
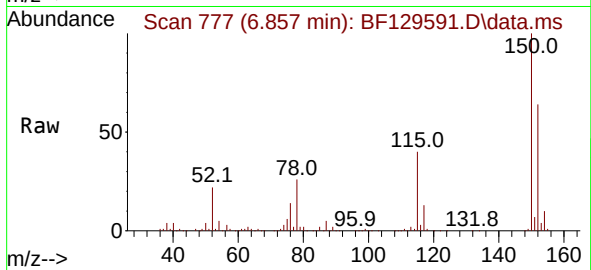




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.857 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF129591.D
 Acq: 05 Aug 2022 03:04

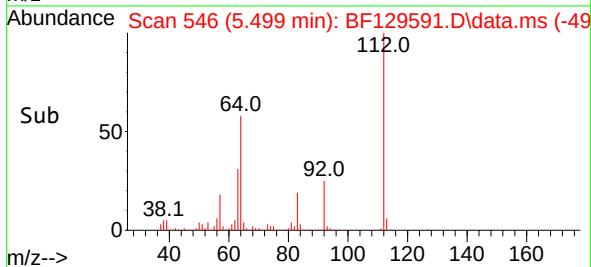
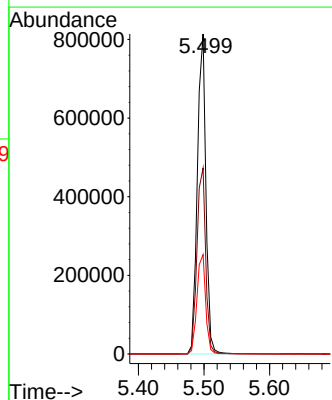
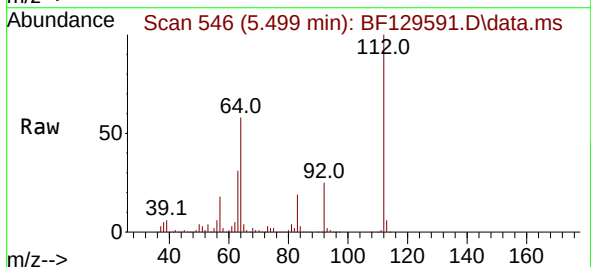
Instrument :
 BNA_F
 ClientSampleId :
 RVE-107

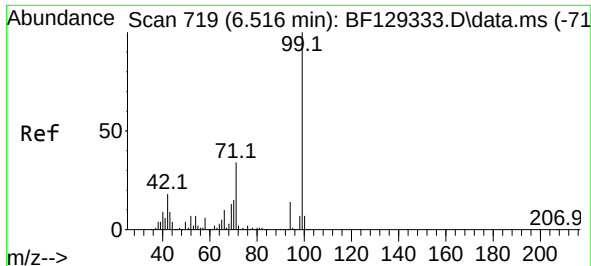
Tgt Ion:152 Resp: 142072
 Ion Ratio Lower Upper
 152 100
 150 157.3 123.7 185.5
 115 62.8 49.9 74.9



#5
 2-Fluorophenol
 Concen: 84.801 ng
 RT: 5.499 min Scan# 546
 Delta R.T. 0.006 min
 Lab File: BF129591.D
 Acq: 05 Aug 2022 03:04

Tgt Ion:112 Resp: 739584
 Ion Ratio Lower Upper
 112 100
 64 58.1 53.3 79.9
 63 31.0 28.0 42.0

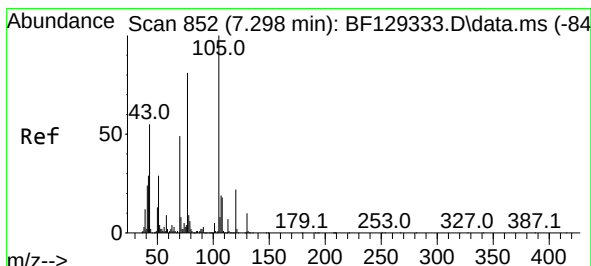
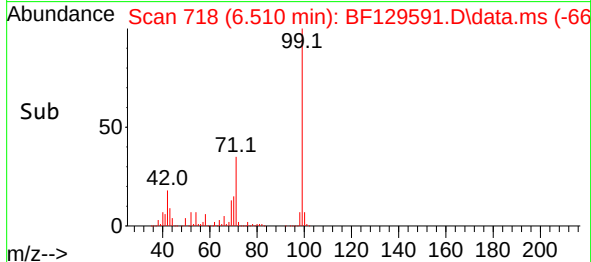
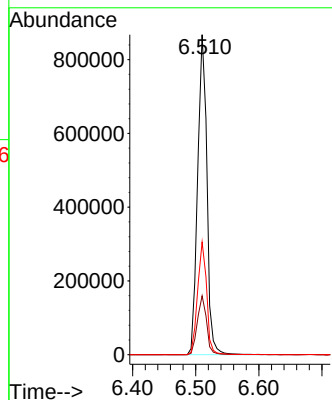
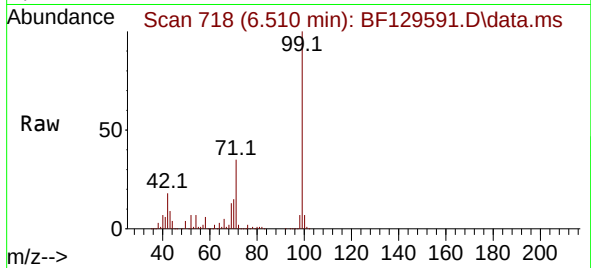




#7
Phenol-d6
Concen: 80.516 ng
RT: 6.510 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

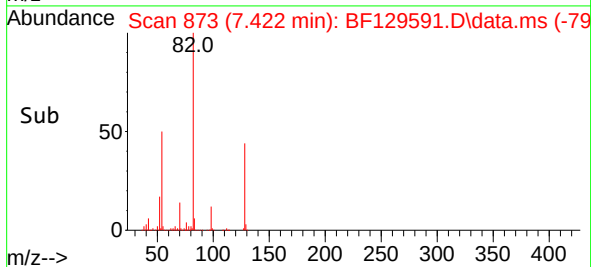
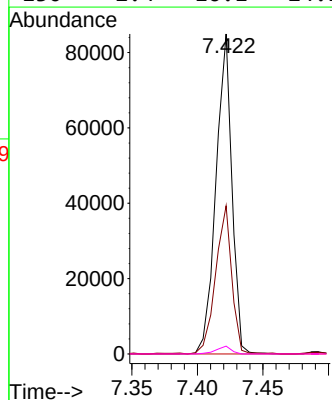
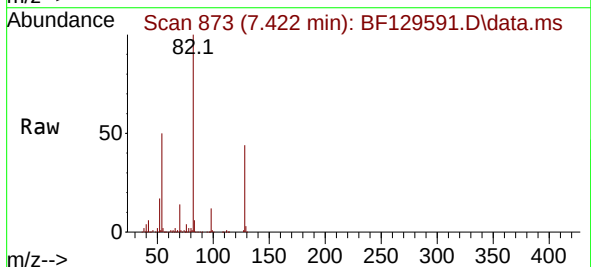
Instrument :
BNA_F
ClientSampleId :
RVE-107

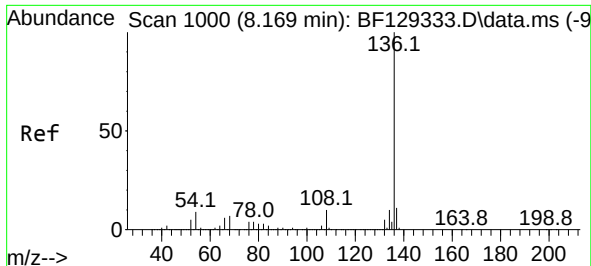
Tgt Ion: 99 Resp: 882645
Ion Ratio Lower Upper
99 100
42 18.4 17.3 25.9
71 35.2 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 10.795 ng
RT: 7.422 min Scan# 873
Delta R.T. 0.141 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

Tgt Ion: 70 Resp: 71639
Ion Ratio Lower Upper
70 100
42 46.3 52.3 78.5#
101 0.0 7.5 11.3#
130 2.4 16.1 24.1#

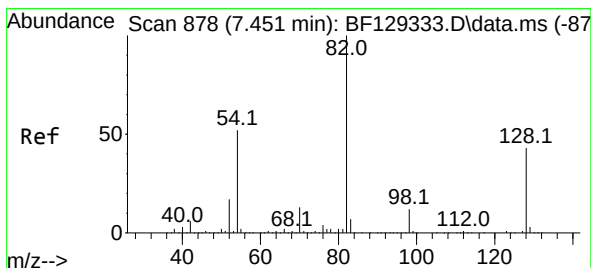
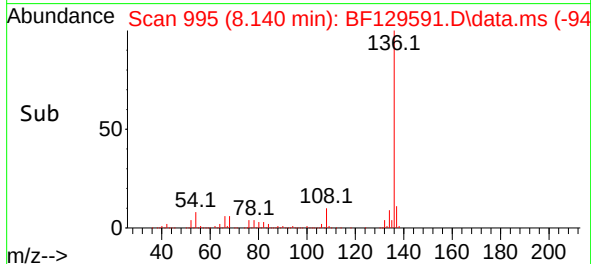
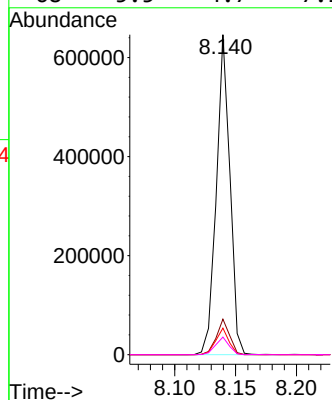
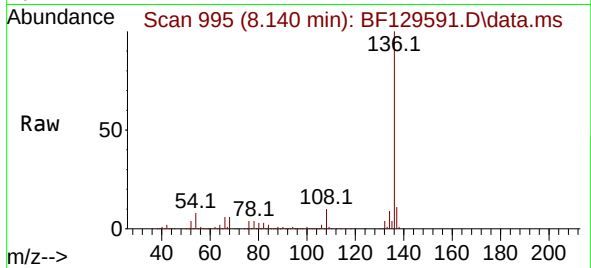




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

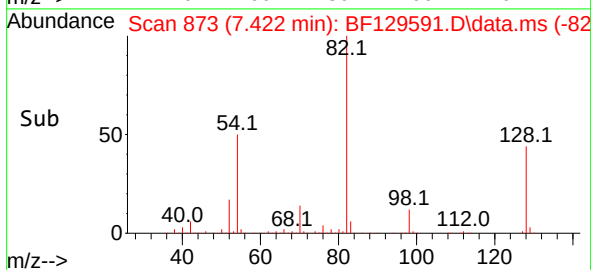
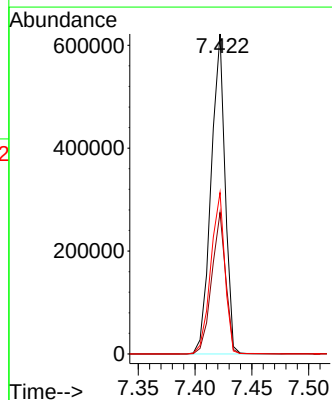
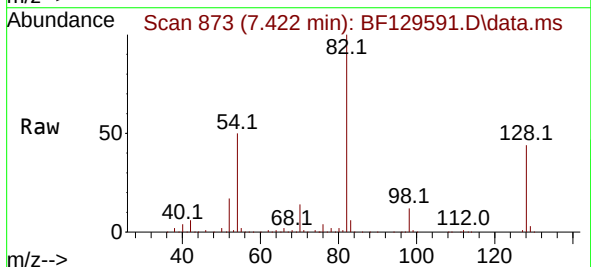
Instrument :
BNA_F
ClientSampleId :
RVE-107

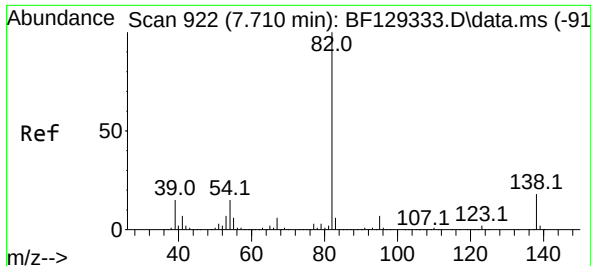
Tgt Ion:136 Resp: 498913
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.3 7.5 11.3
68 5.5 4.7 7.1



#23
Nitrobenzene-d5
Concen: 58.317 ng
RT: 7.422 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

Tgt Ion: 82 Resp: 532986
Ion Ratio Lower Upper
82 100
128 44.3 34.0 51.0
54 50.5 46.9 70.3

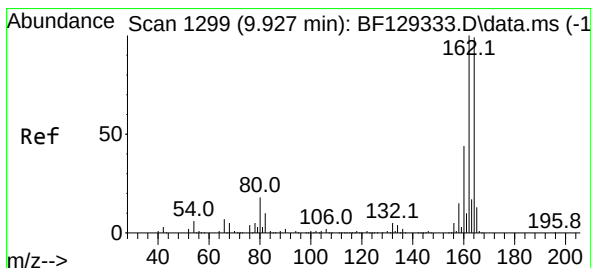
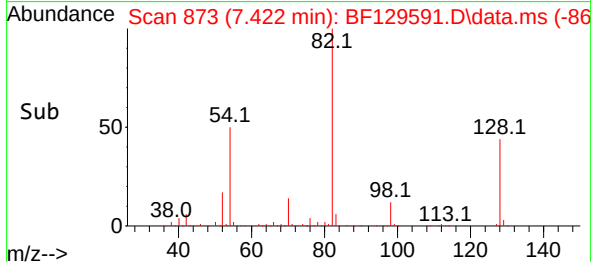
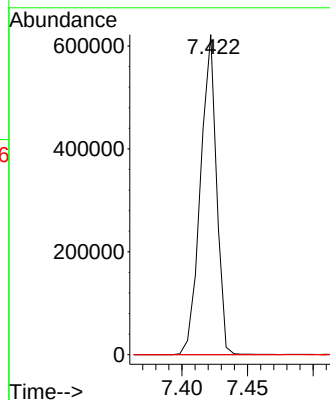
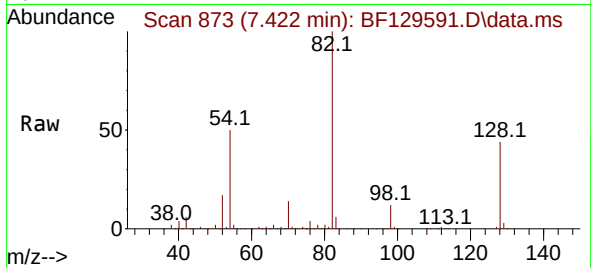




#25
Isophorone
Concen: 32.377 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

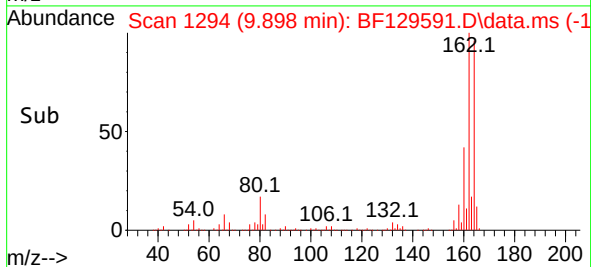
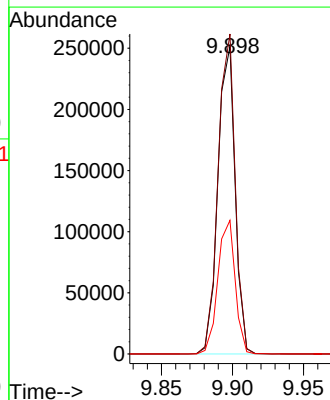
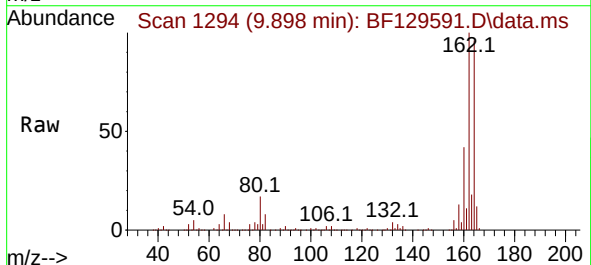
Instrument :
BNA_F
ClientSampleId :
RVE-107

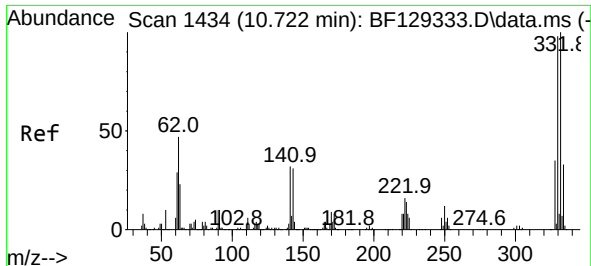
Tgt Ion: 82 Resp: 530414
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

Tgt Ion:164 Resp: 211719
Ion Ratio Lower Upper
164 100
162 104.1 79.5 119.3
160 43.5 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 76.754 ng

RT: 10.686 min Scan# 1428

Delta R.T. -0.012 min

Lab File: BF129591.D

Acq: 05 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RVE-107

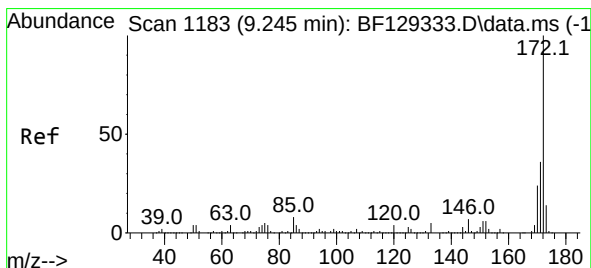
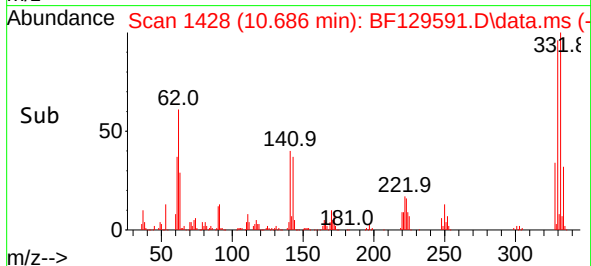
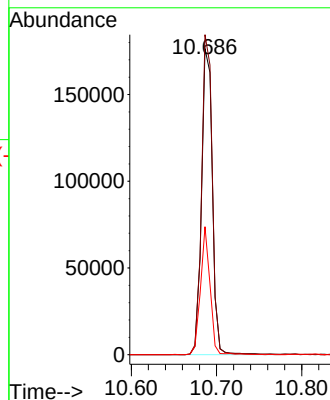
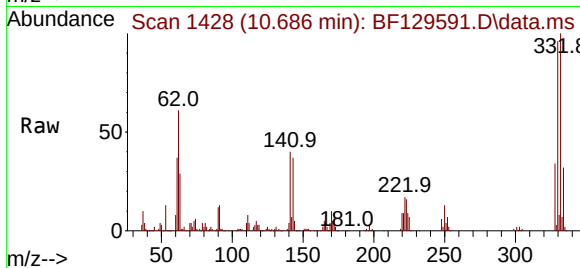
Tgt Ion:330 Resp: 156234

Ion Ratio Lower Upper

330 100

332 103.0 76.8 115.2

141 36.9 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 65.734 ng

RT: 9.216 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BF129591.D

Acq: 05 Aug 2022 03:04

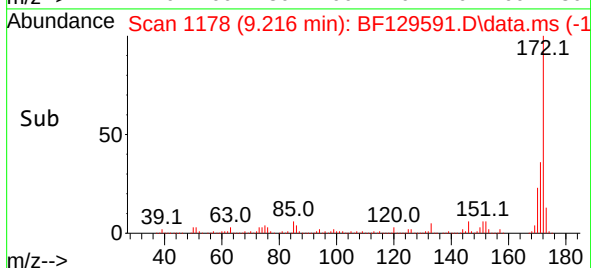
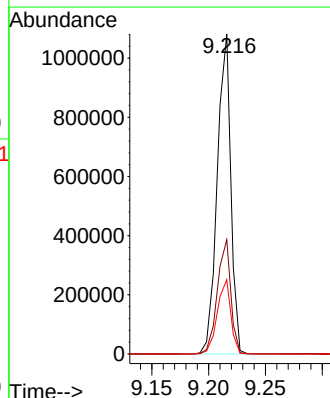
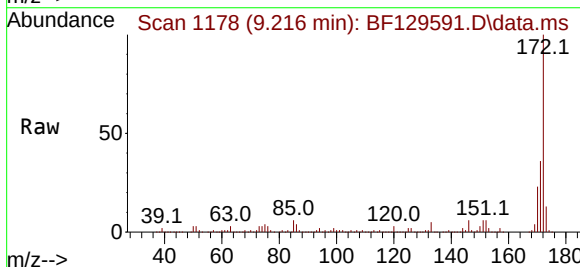
Tgt Ion:172 Resp: 899648

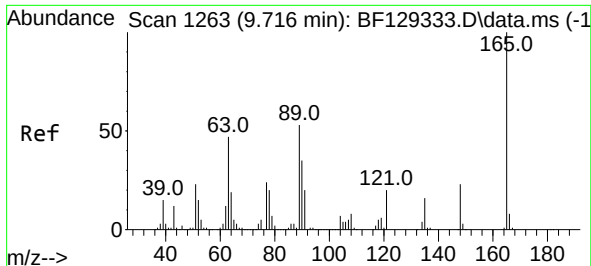
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.2 19.8 29.8





#51

2,6-Dinitrotoluene

Concen: 8.404 ng

RT: 9.898 min Scan# 1294

Delta R.T. 0.206 min

Lab File: BF129591.D

Acq: 05 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RVE-107

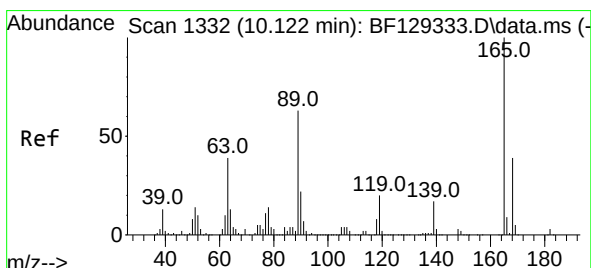
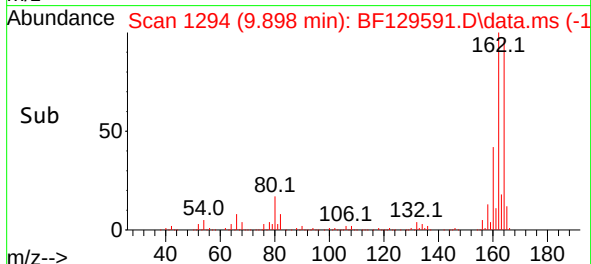
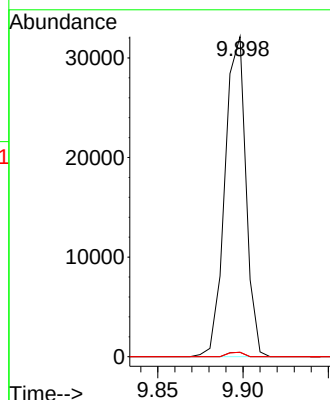
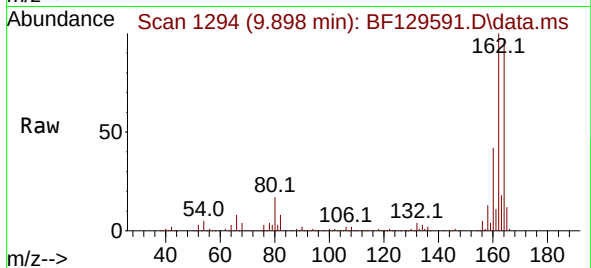
Tgt Ion:165 Resp: 27493

Ion Ratio Lower Upper

165 100

63 1.3 44.9 67.3#

89 1.4 43.6 65.4#



#57

2,4-Dinitrotoluene

Concen: 6.433 ng

RT: 9.898 min Scan# 1294

Delta R.T. -0.200 min

Lab File: BF129591.D

Acq: 05 Aug 2022 03:04

Tgt Ion:165 Resp: 27493

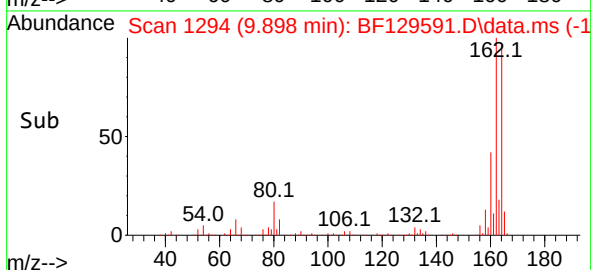
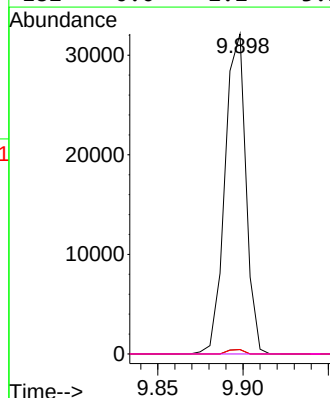
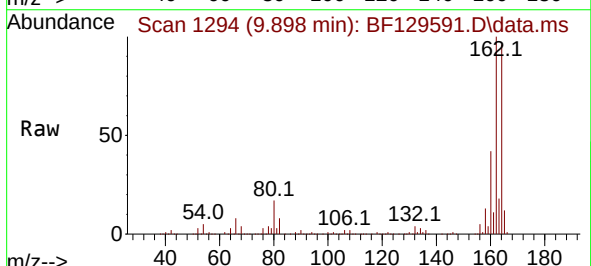
Ion Ratio Lower Upper

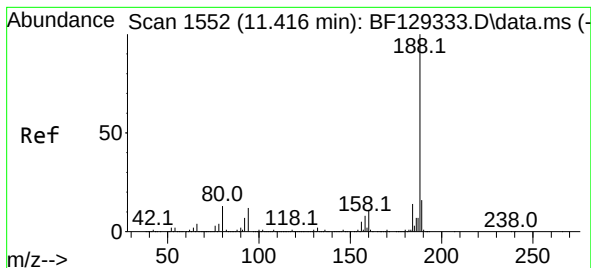
165 100

63 1.3 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: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129591.D

Acq: 05 Aug 2022 03:04

Instrument :

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ClientSampleId :

RVE-107

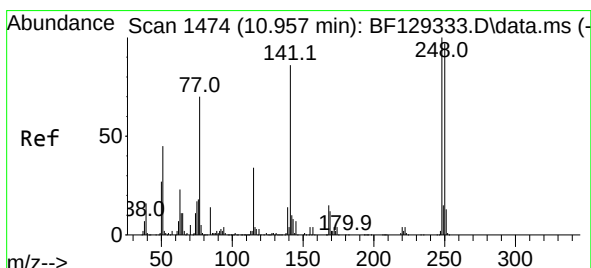
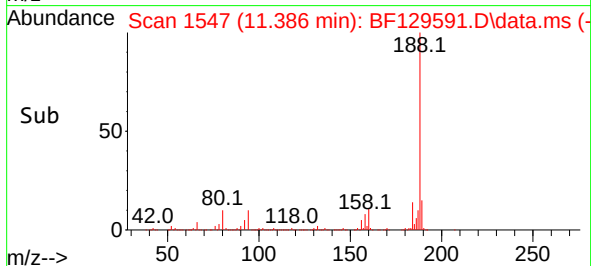
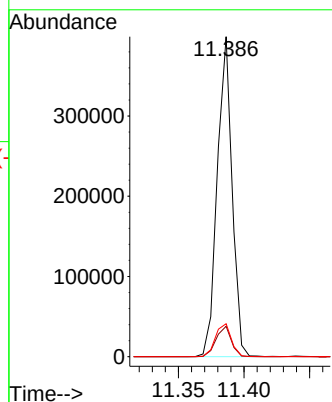
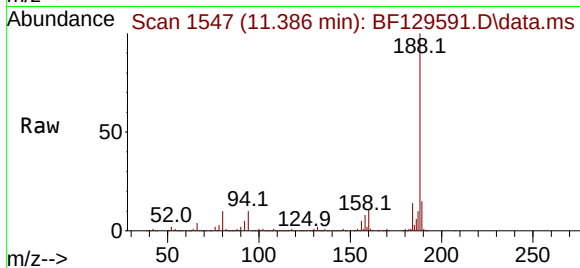
Tgt Ion:188 Resp: 313040

Ion Ratio Lower Upper

188 100

94 9.5 7.0 10.6

80 10.3 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 2.942 ng

RT: 10.686 min Scan# 1428

Delta R.T. -0.247 min

Lab File: BF129591.D

Acq: 05 Aug 2022 03:04

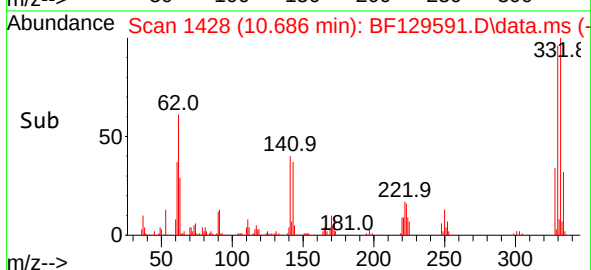
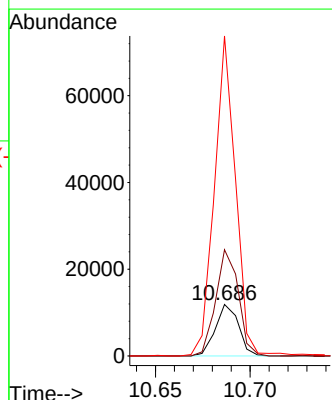
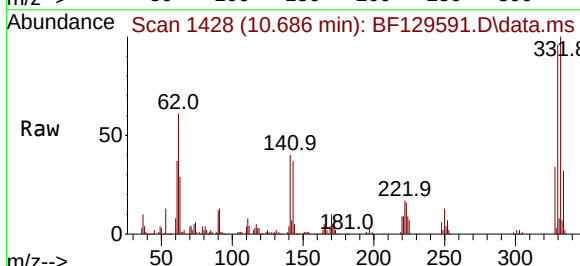
Tgt Ion:248 Resp: 10085

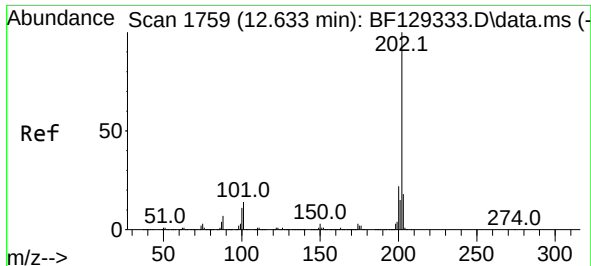
Ion Ratio Lower Upper

248 100

250 206.5 80.6 120.8#

141 621.7 58.9 88.3#

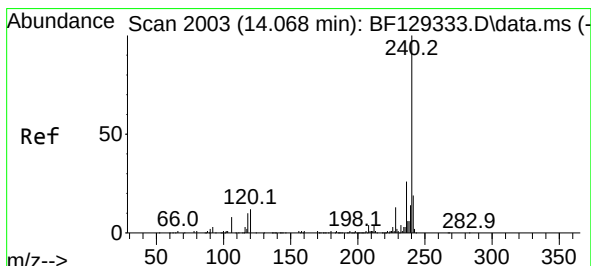
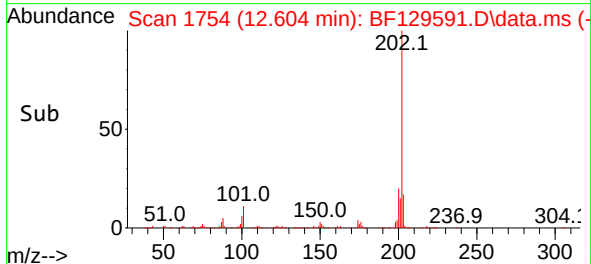
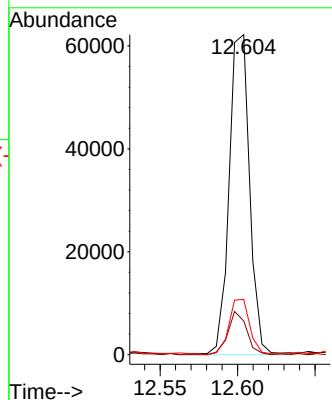
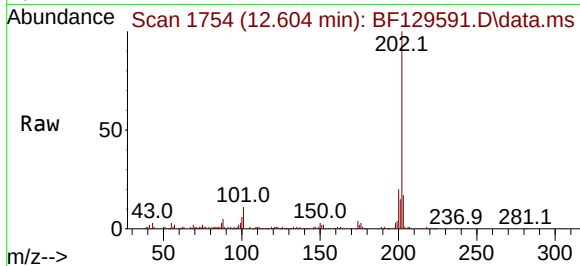




#75
Fluoranthene
Concen: 3.303 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

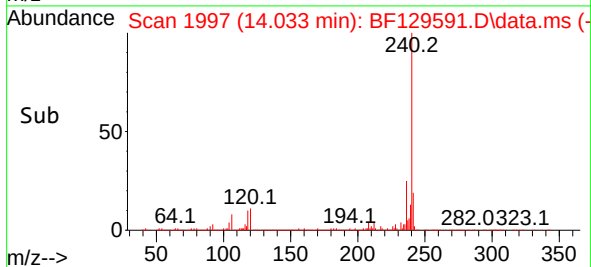
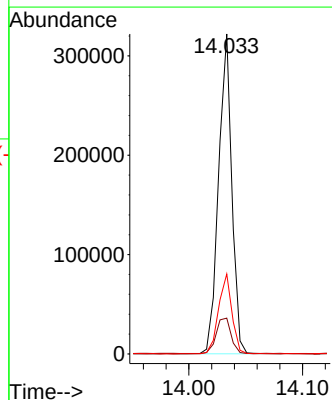
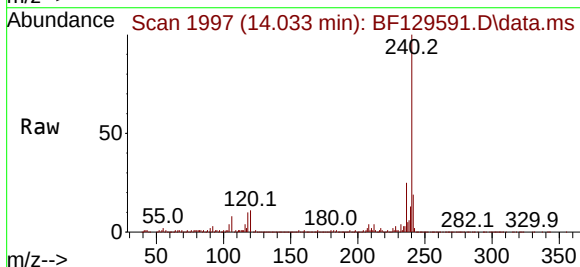
Instrument :
BNA_F
ClientSampleId :
RVE-107

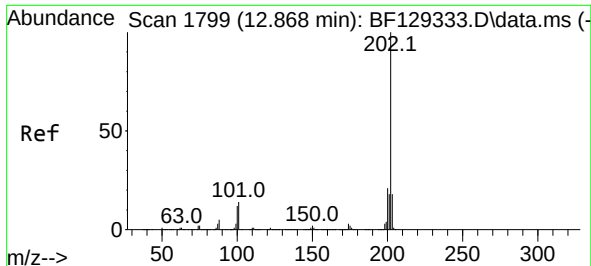
Tgt Ion:202 Resp: 57194
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.4
203 17.3 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

Tgt Ion:240 Resp: 260418
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.0 20.8 31.2

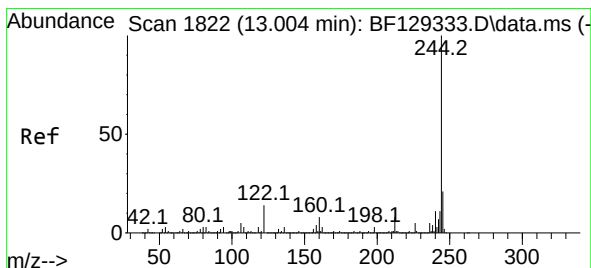
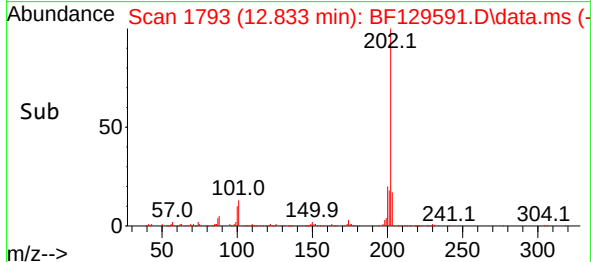
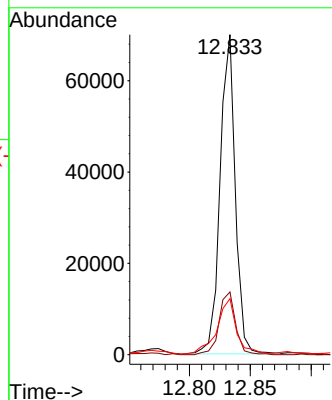
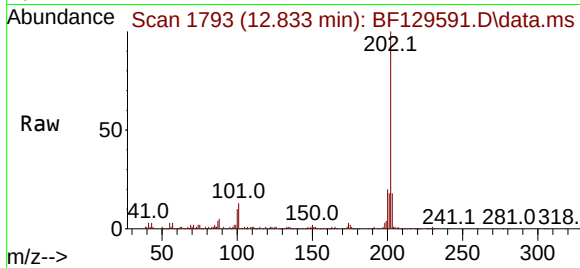




#78
 Pyrene
 Concen: 2.799 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129591.D
 Acq: 05 Aug 2022 03:04

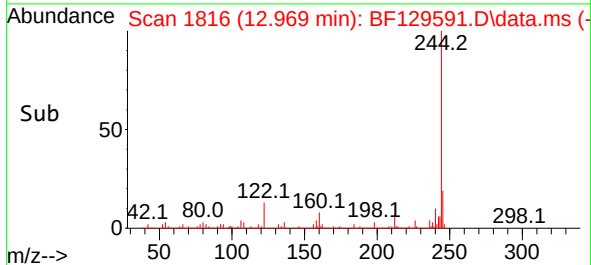
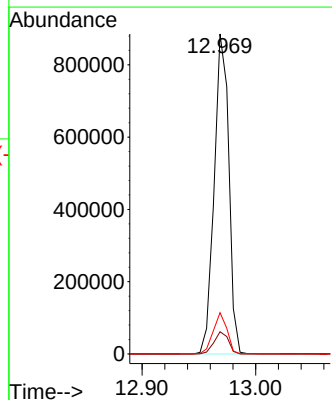
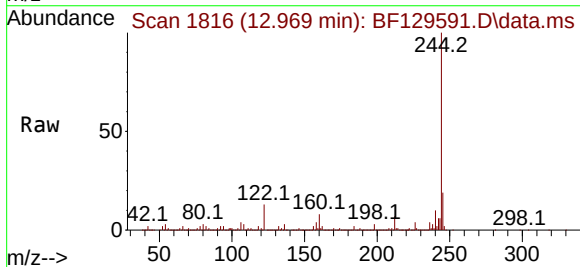
Instrument :
 BNA_F
 ClientSampleId :
 RVE-107

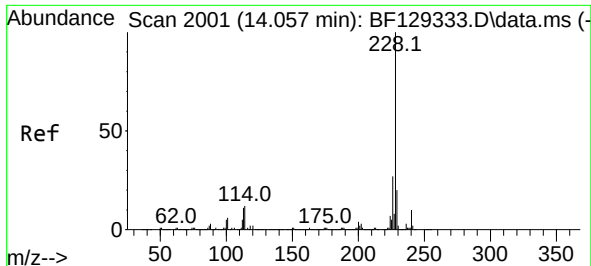
Tgt Ion:202 Resp: 60946
 Ion Ratio Lower Upper
 202 100
 200 19.6 17.7 26.5
 203 17.5 14.6 21.8



#79
 Terphenyl-d14
 Concen: 57.339 ng
 RT: 12.969 min Scan# 1816
 Delta R.T. -0.012 min
 Lab File: BF129591.D
 Acq: 05 Aug 2022 03:04

Tgt Ion:244 Resp: 791485
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 12.9 8.8 13.2

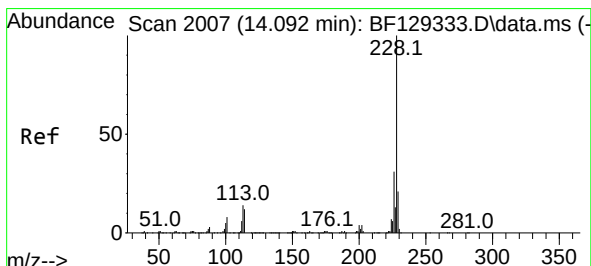
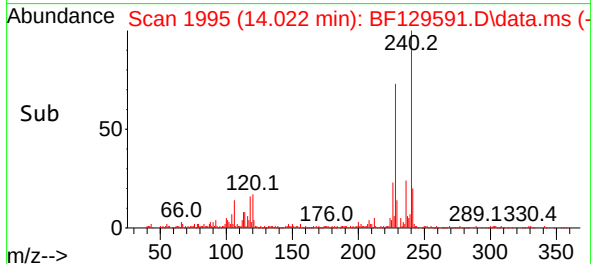
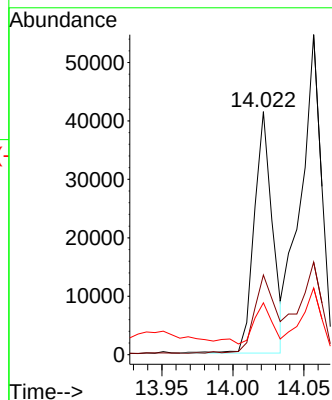
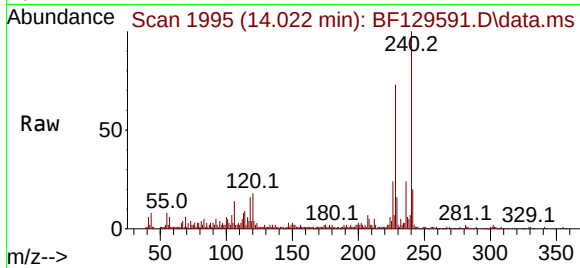




#81
Benzo(a)anthracene
Concen: 2.073 ng
RT: 14.022 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

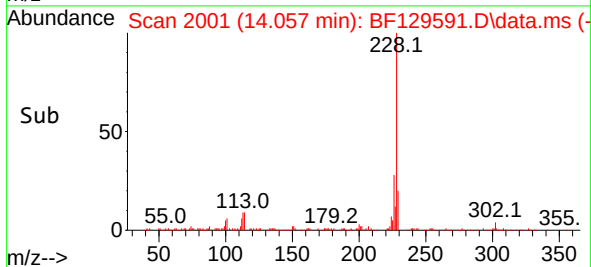
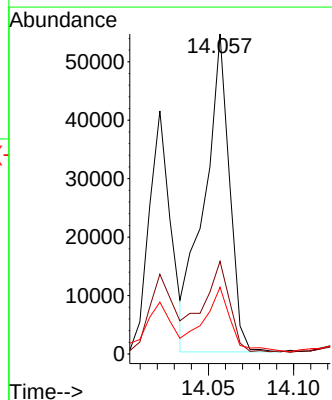
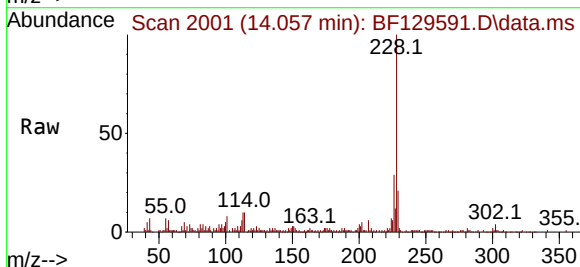
Instrument :
BNA_F
ClientSampleId :
RVE-107

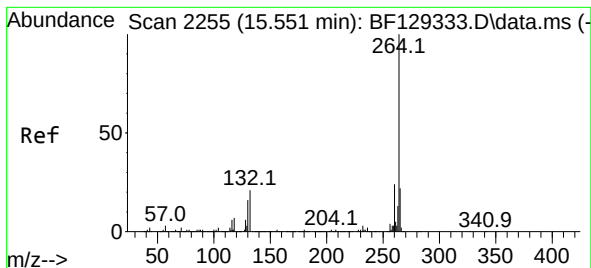
Tgt Ion:228 Resp: 36882
Ion Ratio Lower Upper
228 100
226 32.8 22.1 33.1
229 21.3 15.8 23.8



#83
Chrysene
Concen: 3.325 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

Tgt Ion:228 Resp: 55747
Ion Ratio Lower Upper
228 100
226 29.0 24.3 36.5
229 20.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.516 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129591.D

Acq: 05 Aug 2022 03:04

Instrument :

BNA_F

ClientSampleId :

RVE-107

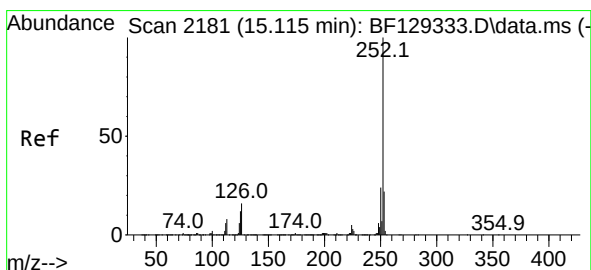
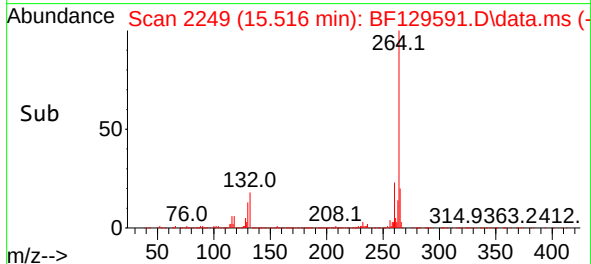
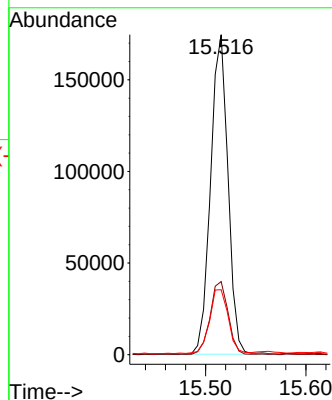
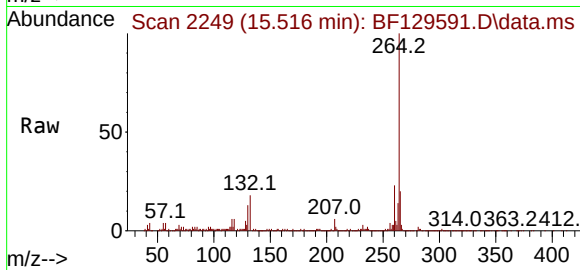
Tgt Ion:264 Resp: 210345

Ion Ratio Lower Upper

264 100

260 22.8 18.4 27.6

265 20.3 17.2 25.8



#88

Benzo(b)fluoranthene

Concen: 7.879 ng

RT: 15.080 min Scan# 2175

Delta R.T. -0.006 min

Lab File: BF129591.D

Acq: 05 Aug 2022 03:04

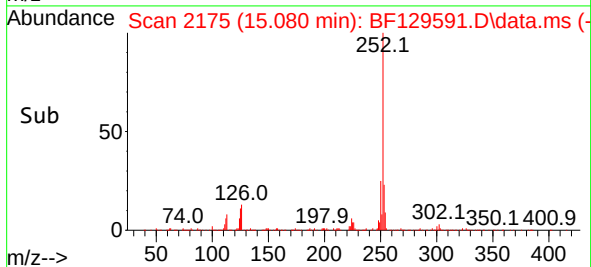
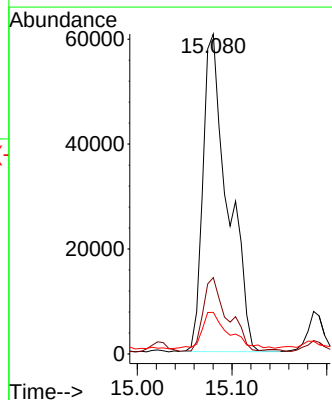
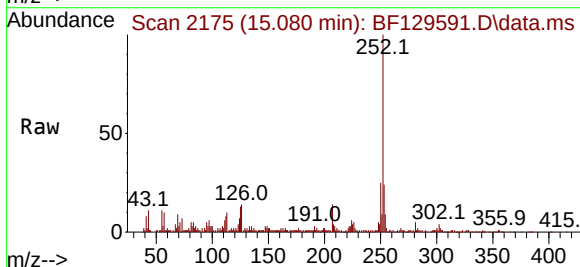
Tgt Ion:252 Resp: 109939

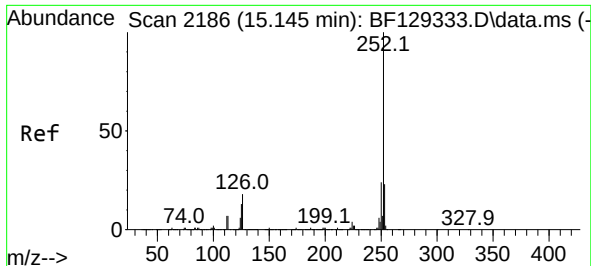
Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 13.0 8.0 12.0#

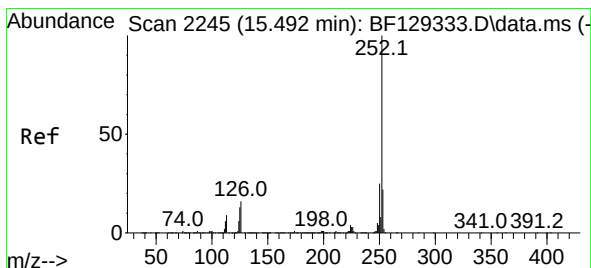
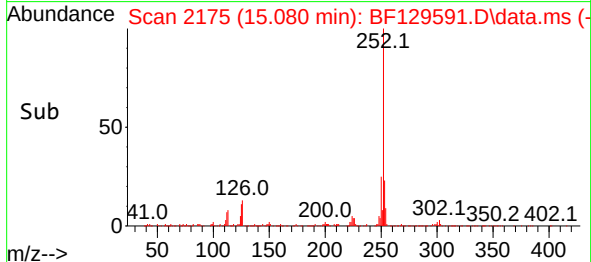
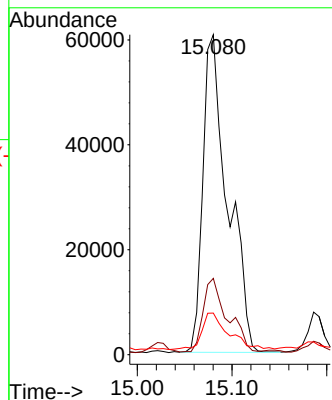
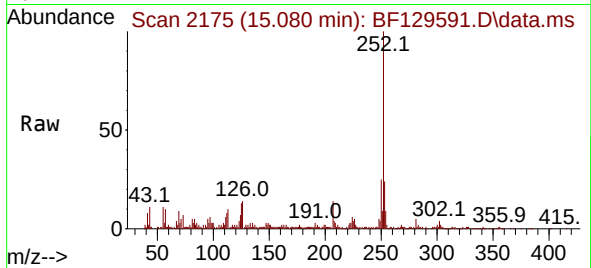




#89
Benzo(k)fluoranthene
Concen: 8.040 ng
RT: 15.080 min Scan# 2186
Delta R.T. -0.035 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

Instrument :
BNA_F
ClientSampleId :
RVE-107

Tgt Ion:252 Resp: 109939
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 13.0 8.3 12.5#



#90
Benzo(a)pyrene
Concen: 2.683 ng
RT: 15.451 min Scan# 2238
Delta R.T. -0.006 min
Lab File: BF129591.D
Acq: 05 Aug 2022 03:04

Tgt Ion:252 Resp: 30389
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 14.7 8.8 13.2#

