

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
 Data File : BF129581.D
 Acq On : 04 Aug 2022 21:30
 Operator : CG\JU
 Sample : N3931-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-113

Quant Time: Aug 05 02:10:07 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)

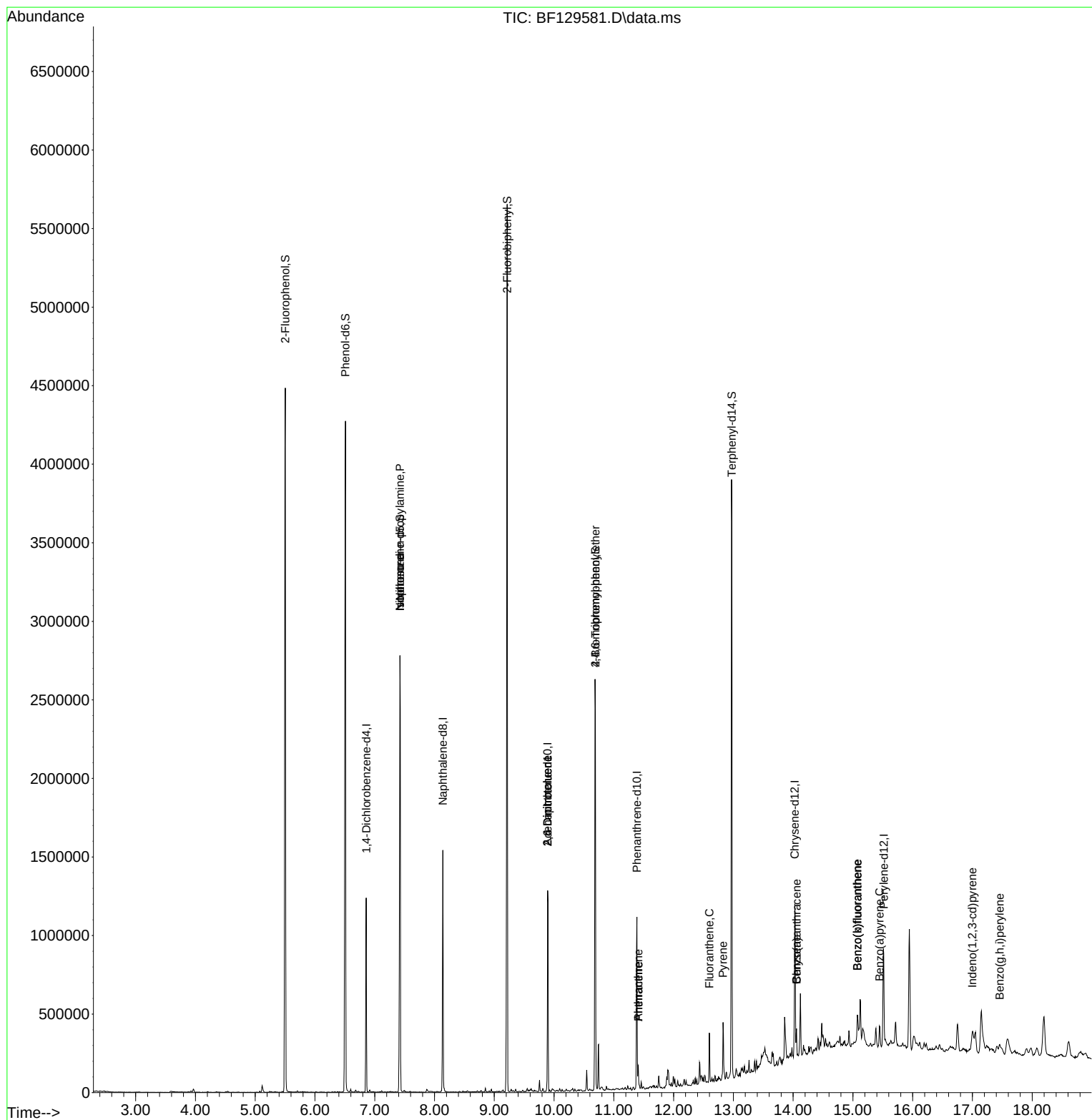
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	167463	20.000	ng	0.00
21) Naphthalene-d8	8.140	136	604539	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	268973	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	376302	20.000	ng	0.00
76) Chrysene-d12	14.027	240	310574	20.000	ng	#-0.01
86) Perylene-d12	15.516	264	262695	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	1253995	121.983	ng	0.01
7) Phenol-d6	6.510	99	1553765	120.247	ng	0.00
23) Nitrobenzene-d5	7.422	82	989839	89.380	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	305059	117.967	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	1629438	93.714	ng	0.00
79) Terphenyl-d14	12.975	244	1325280	80.504	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	130669	16.704	ng	# 76
25) Isophorone	7.422	82	983882	49.563	ng	# 65
51) 2,6-Dinitrotoluene	9.892	165	35595	8.565	ng	# 25
57) 2,4-Dinitrotoluene	9.892	165	35595	6.556	ng	# 21
67) 4-Bromophenyl-phenylether	10.692	248	20174	4.896	ng	# 1
71) Phenanthrene	11.410	178	53942	2.626	ng	99
72) Anthracene	11.410	178	53942	2.672	ng	99
75) Fluoranthene	12.598	202	102445	4.922	ng	98
78) Pyrene	12.827	202	133288	5.132	ng	96
81) Benzo(a)anthracene	14.057	228	74131	3.494	ng	95
83) Chrysene	14.057	228	74131	3.708	ng	98
87) Indeno(1,2,3-cd)pyrene	16.998	276	37143	2.100	ng	97
88) Benzo(b)fluoranthene	15.074	252	111527	6.400	ng	# 95
89) Benzo(k)fluoranthene	15.074	252	111527	6.531	ng	# 95
90) Benzo(a)pyrene	15.445	252	57766	4.084	ng	# 92
92) Benzo(g,h,i)perylene	17.457	276	43549	2.960	ng	97

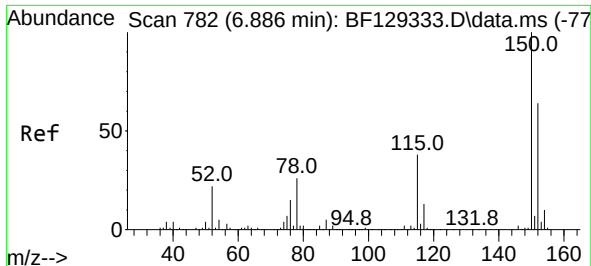
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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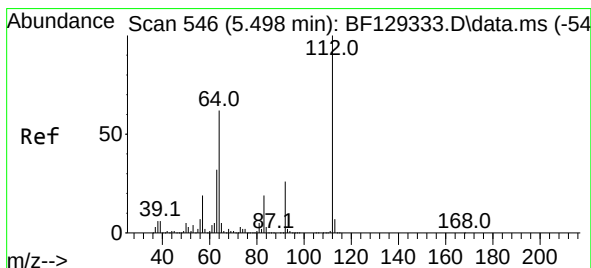
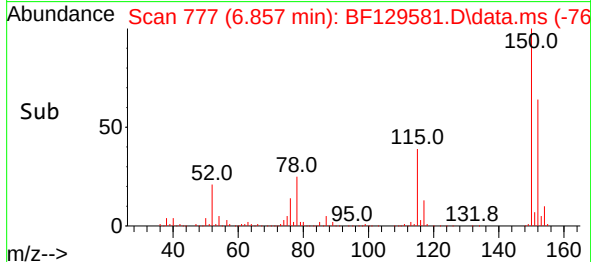
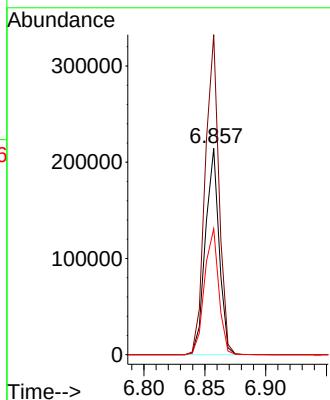
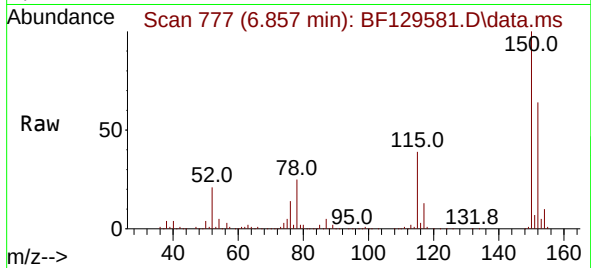




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.857 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF129581.D
 Acq: 04 Aug 2022 21:30

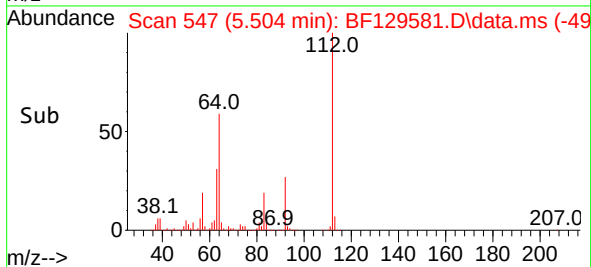
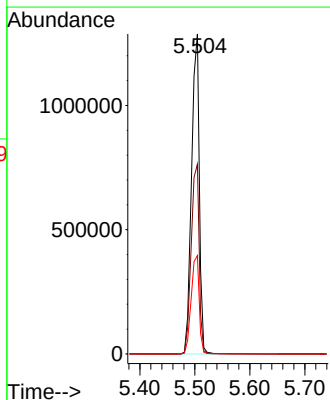
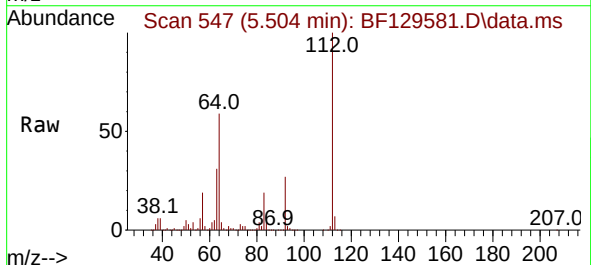
Instrument :
 BNA_F
 ClientSampleId :
 RVE-113

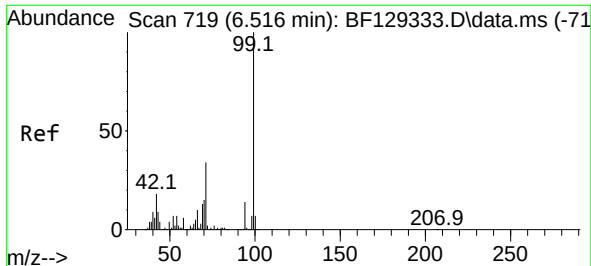
Tgt Ion:152 Resp: 167463
 Ion Ratio Lower Upper
 152 100
 150 155.2 123.7 185.5
 115 61.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 121.983 ng
 RT: 5.504 min Scan# 547
 Delta R.T. 0.012 min
 Lab File: BF129581.D
 Acq: 04 Aug 2022 21:30

Tgt Ion:112 Resp: 1253995
 Ion Ratio Lower Upper
 112 100
 64 59.3 53.3 79.9
 63 30.7 28.0 42.0

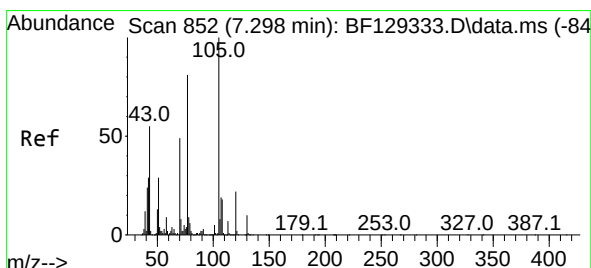
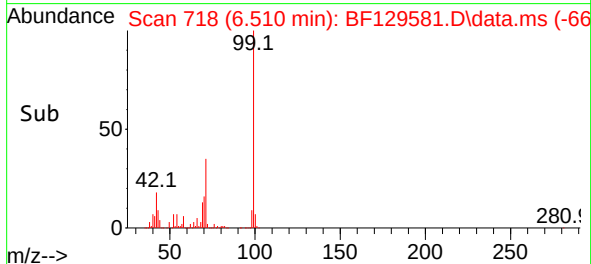
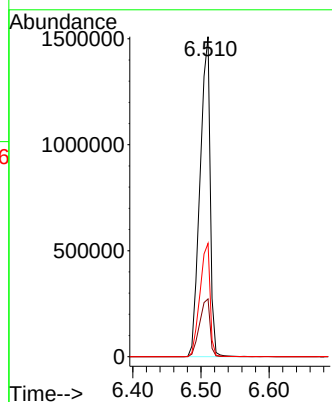
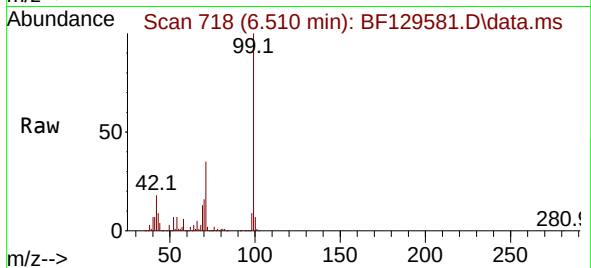




#7
Phenol-d6
Concen: 120.247 ng
RT: 6.510 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

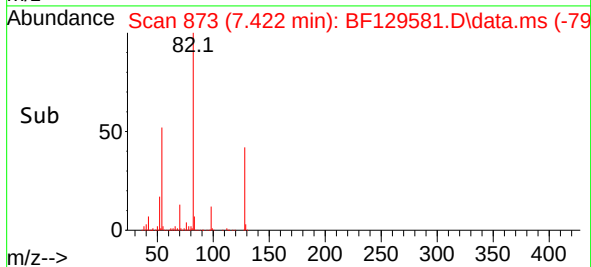
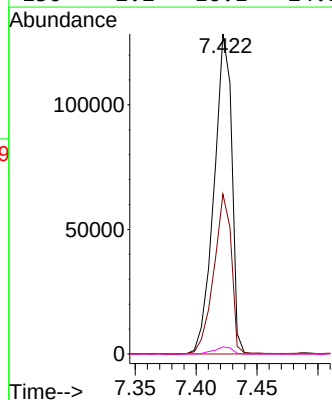
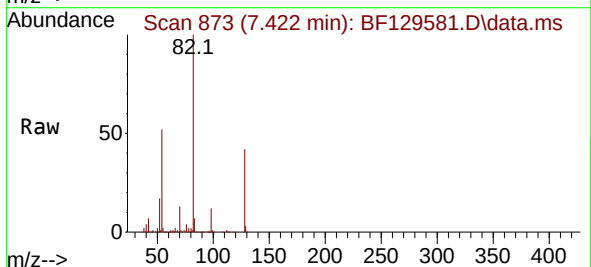
Instrument :
BNA_F
ClientSampleId :
RVE-113

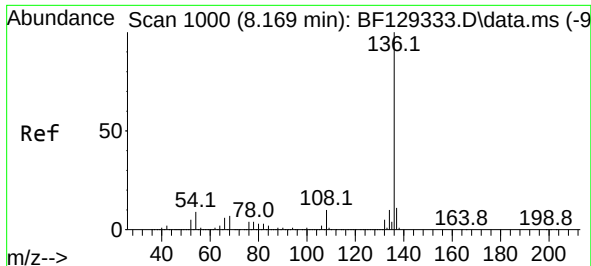
Tgt Ion: 99 Resp: 1553765
Ion Ratio Lower Upper
99 100
42 18.0 17.3 25.9
71 35.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.704 ng
RT: 7.422 min Scan# 873
Delta R.T. 0.141 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

Tgt Ion: 70 Resp: 130669
Ion Ratio Lower Upper
70 100
42 50.0 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#

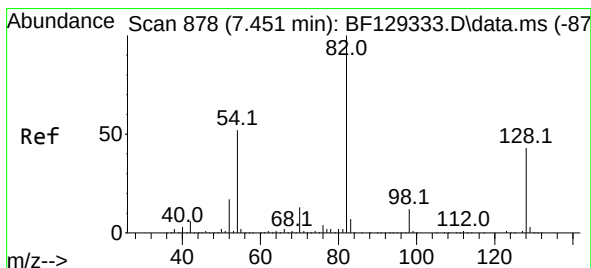
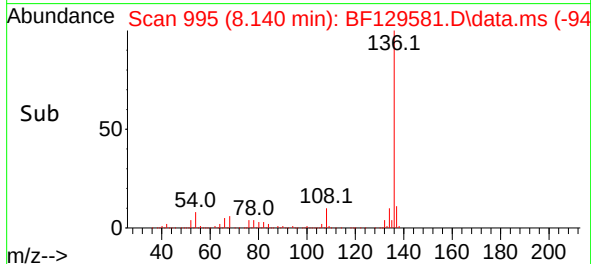
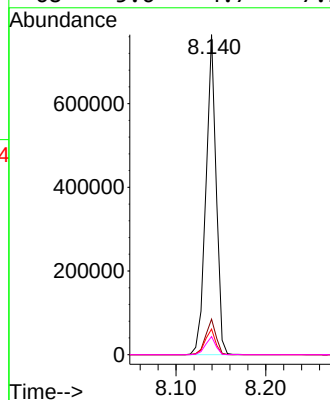
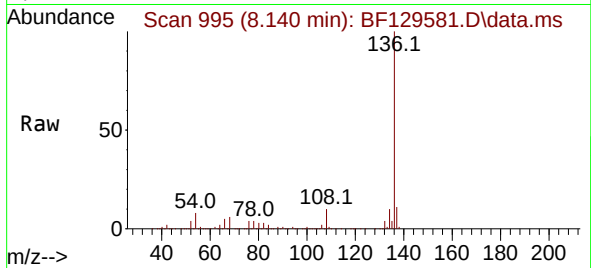




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.140 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

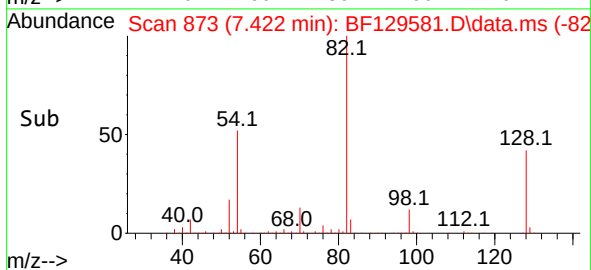
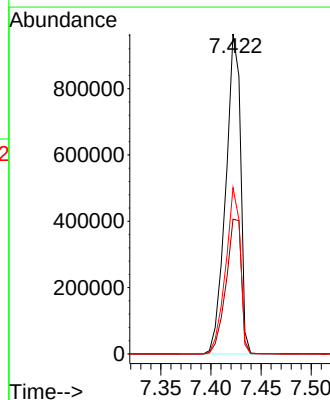
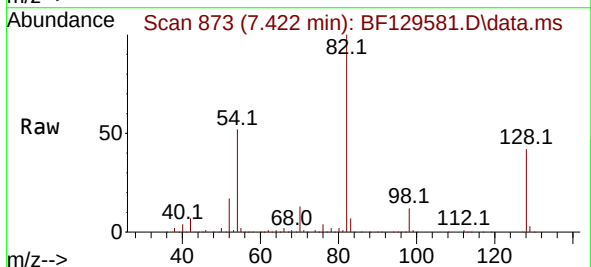
Instrument :
BNA_F
ClientSampleId :
RVE-113

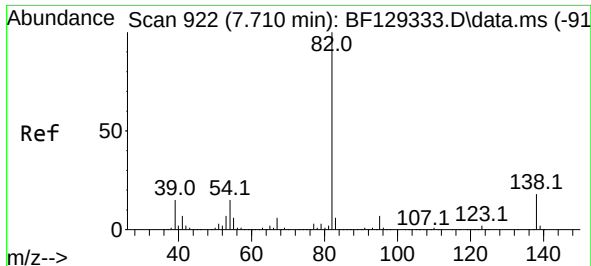
Tgt Ion:136 Resp: 604539
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.0 7.5 11.3
68 5.6 4.7 7.1



#23
Nitrobenzene-d5
Concen: 89.380 ng
RT: 7.422 min Scan# 873
Delta R.T. -0.012 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

Tgt Ion: 82 Resp: 989839
Ion Ratio Lower Upper
82 100
128 42.1 34.0 51.0
54 51.9 46.9 70.3

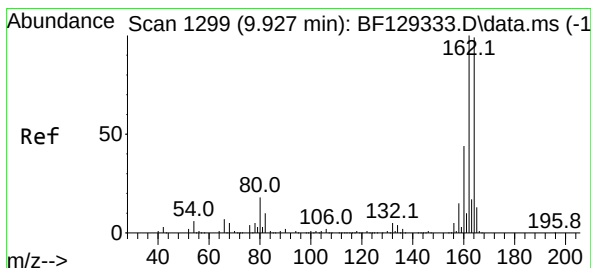
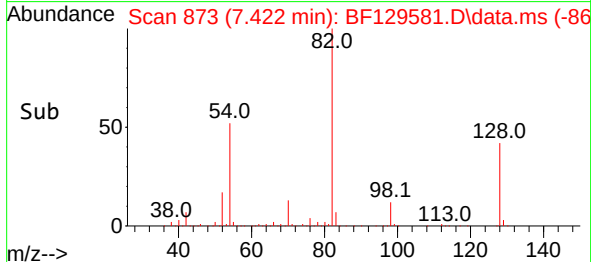
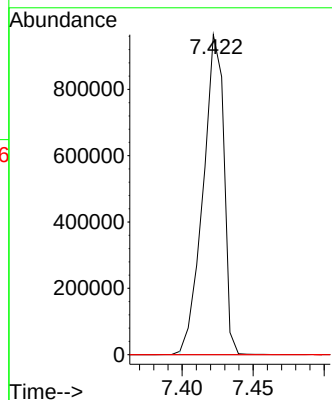
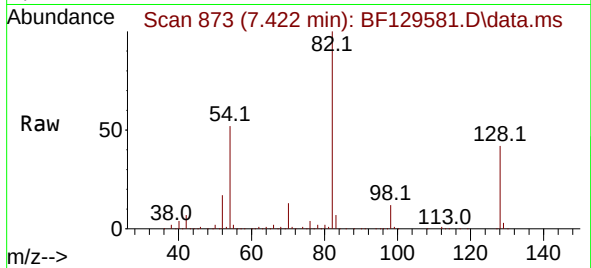




#25
Isophorone
Concen: 49.563 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

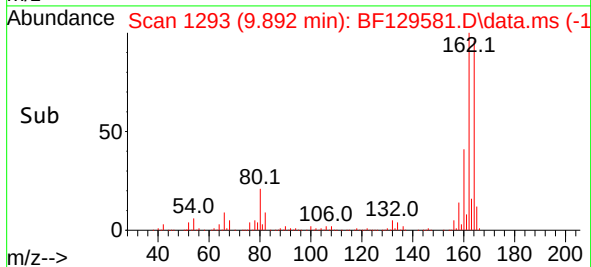
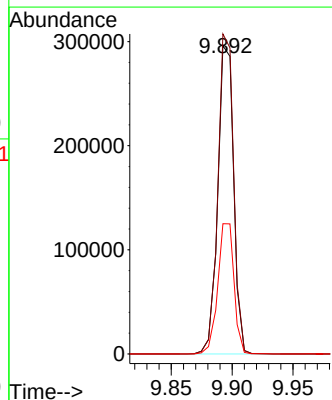
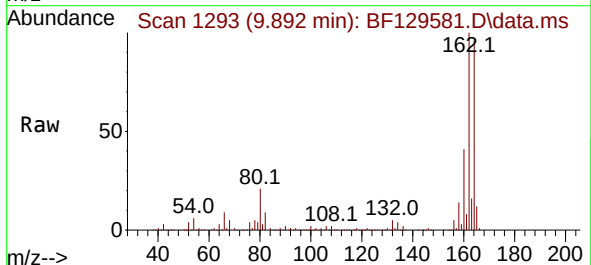
Instrument :
BNA_F
ClientSampleId :
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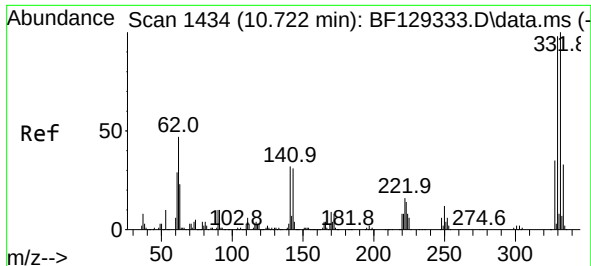
Tgt Ion: 82 Resp: 983882
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

Tgt Ion:164 Resp: 268973
Ion Ratio Lower Upper
164 100
162 103.8 79.5 119.3
160 42.2 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 117.967 ng

RT: 10.692 min Scan# 1434

Delta R.T. -0.006 min

Lab File: BF129581.D

Acq: 04 Aug 2022 21:30

Instrument :

BNA_F

ClientSampleId :

RVE-113

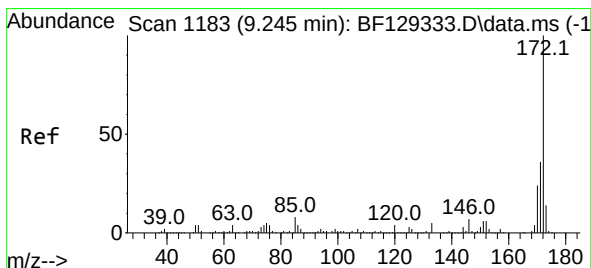
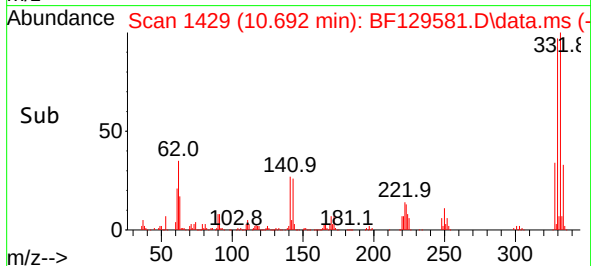
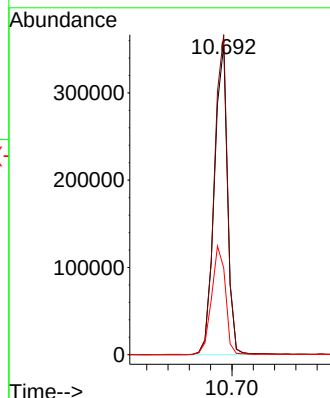
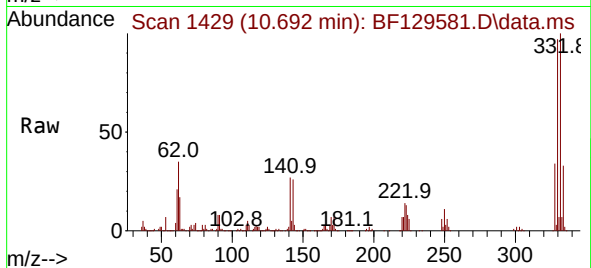
Tgt Ion:330 Resp: 305059

Ion Ratio Lower Upper

330 100

332 103.5 76.8 115.2

141 36.7 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 93.714 ng

RT: 9.216 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BF129581.D

Acq: 04 Aug 2022 21:30

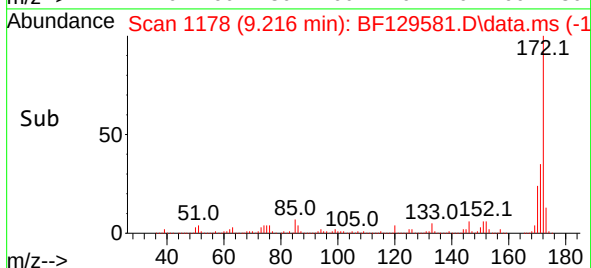
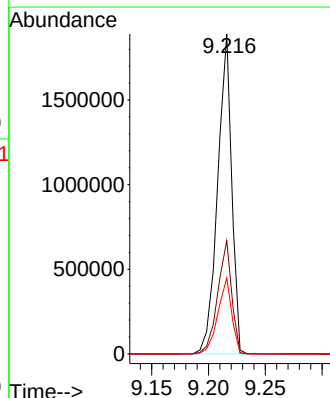
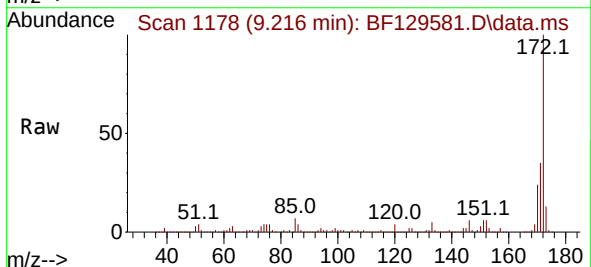
Tgt Ion:172 Resp: 1629438

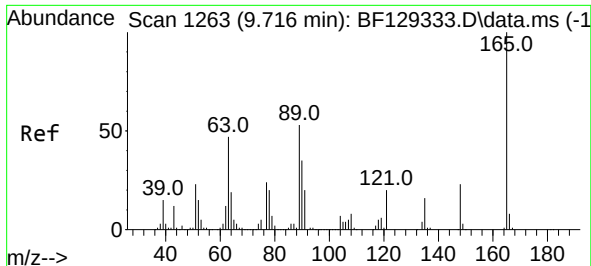
Ion Ratio Lower Upper

172 100

171 35.4 28.8 43.2

170 23.7 19.8 29.8

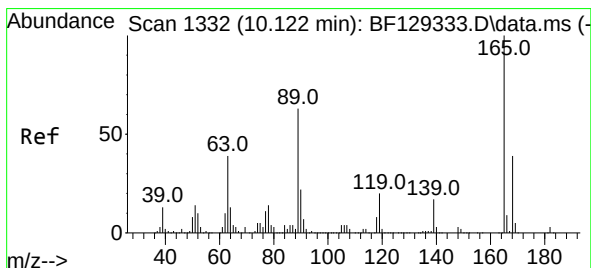
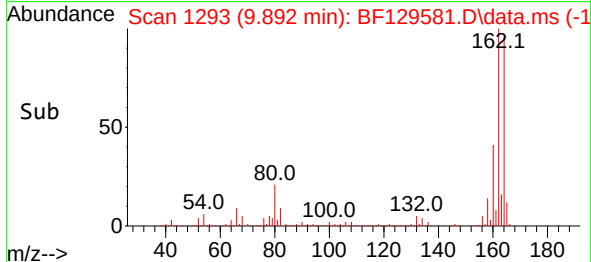
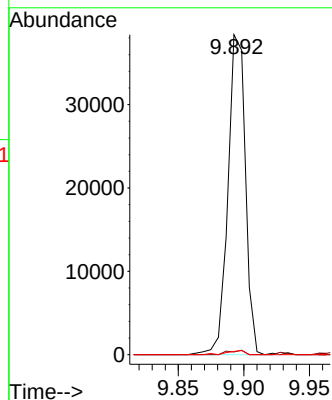
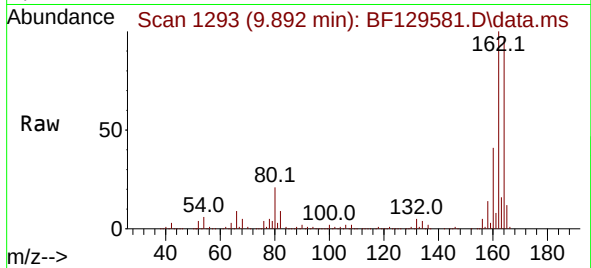




#51
2,6-Dinitrotoluene
Concen: 8.565 ng
RT: 9.892 min Scan# 1293
Delta R.T. 0.200 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

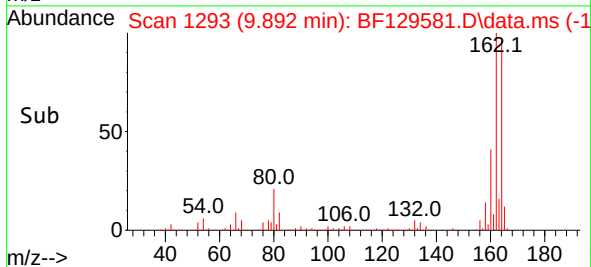
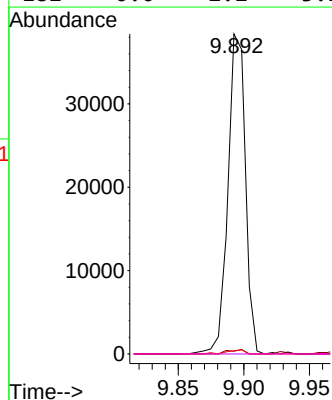
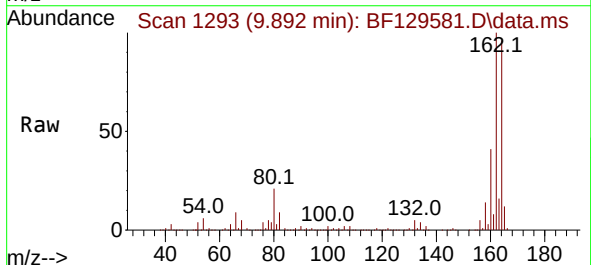
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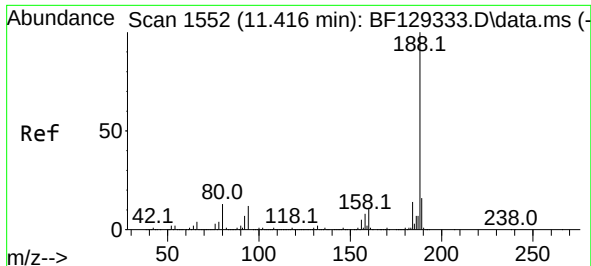
Tgt Ion:165 Resp: 35595
Ion Ratio Lower Upper
165 100
63 0.9 44.9 67.3#
89 1.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.556 ng
RT: 9.892 min Scan# 1293
Delta R.T. -0.206 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

Tgt Ion:165 Resp: 35595
Ion Ratio Lower Upper
165 100
63 0.9 39.8 59.6#
89 1.0 60.2 90.2#
182 0.0 2.2 3.2#

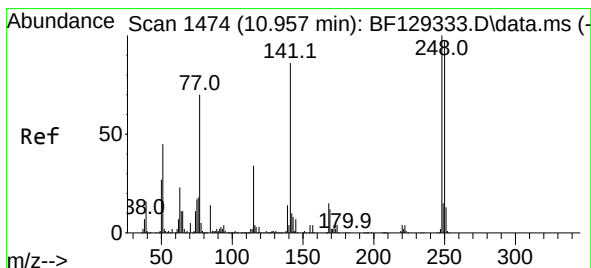
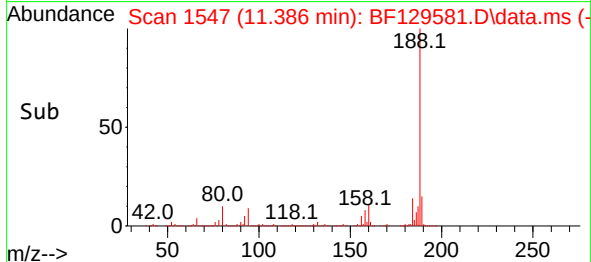
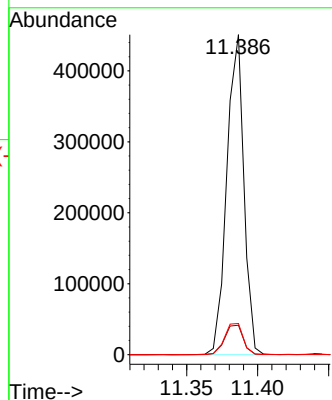
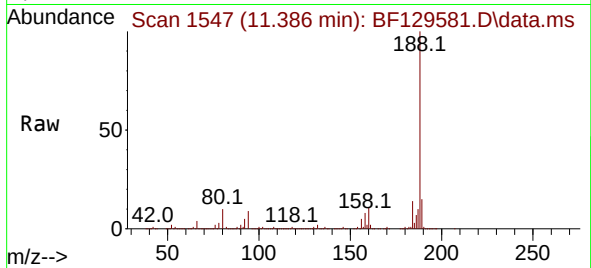




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

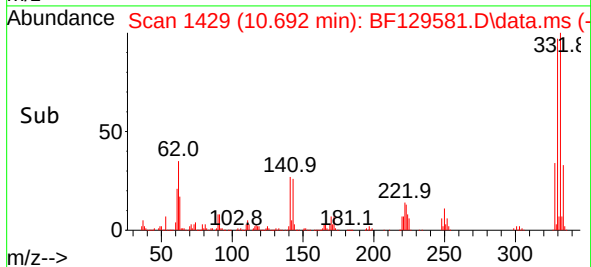
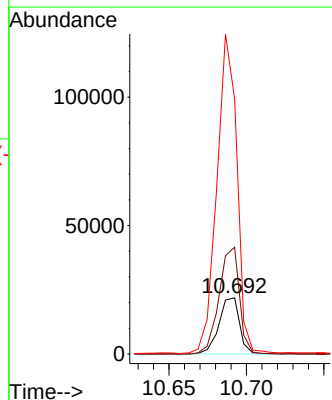
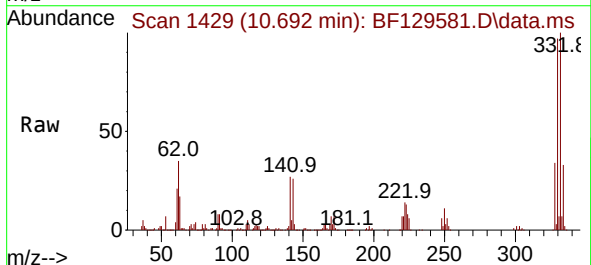
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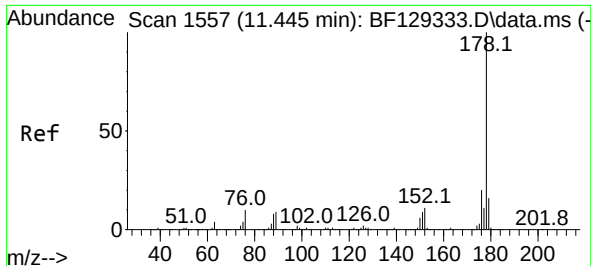
Tgt Ion:188 Resp: 376302
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.7 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 4.896 ng
RT: 10.692 min Scan# 1429
Delta R.T. -0.241 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

Tgt Ion:248 Resp: 20174
Ion Ratio Lower Upper
248 100
250 190.1 80.6 120.8#
141 454.7 58.9 88.3#

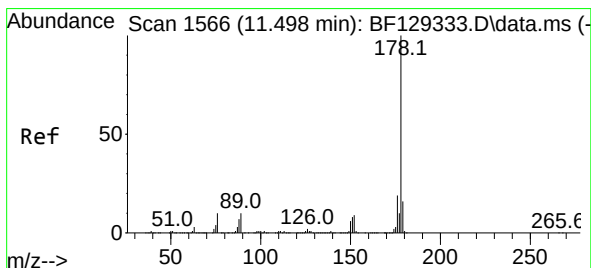
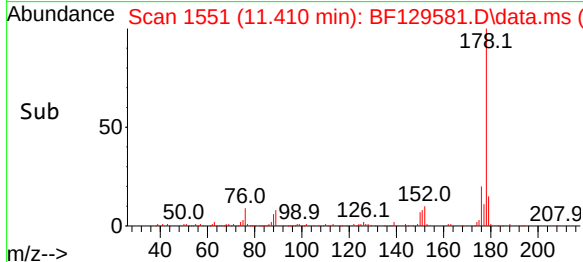
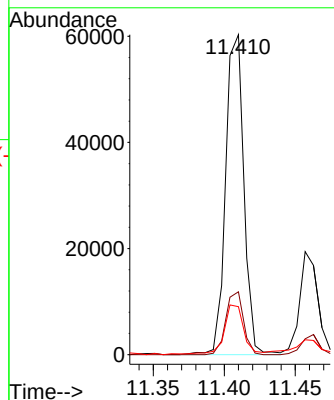
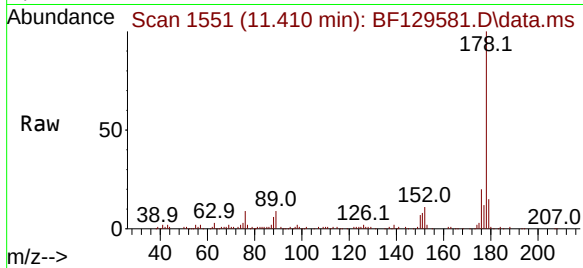




#71
Phenanthrene
Concen: 2.626 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.012 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

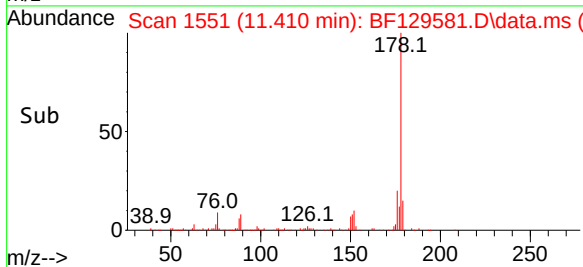
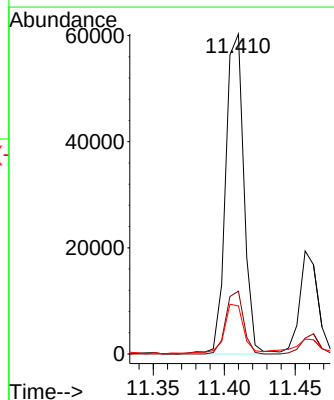
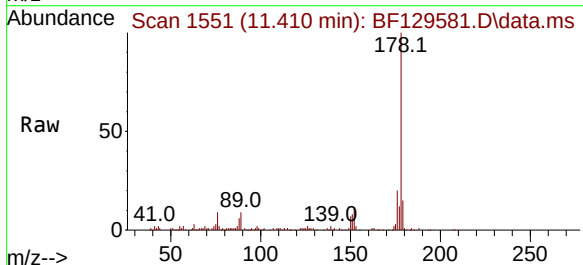
Instrument :
BNA_F
ClientSampleId :
RVE-113

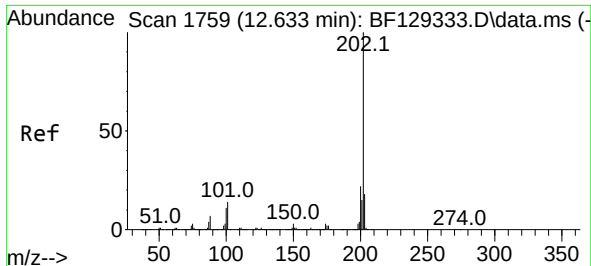
Tgt Ion:178 Resp: 53942
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 15.0 12.6 19.0



#72
Anthracene
Concen: 2.672 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.065 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

Tgt Ion:178 Resp: 53942
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.0 12.6 19.0

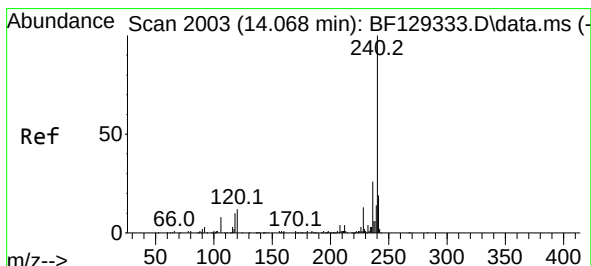
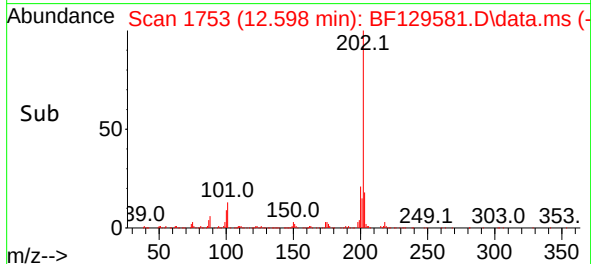
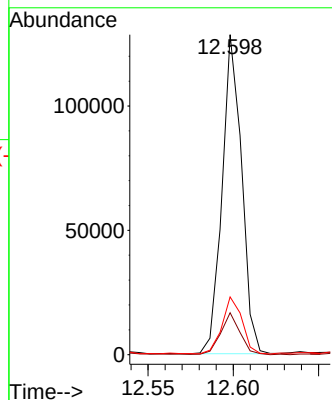
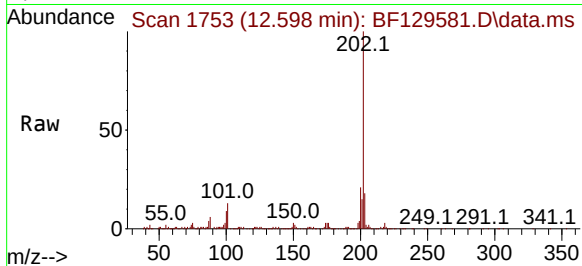




#75
Fluoranthene
Concen: 4.922 ng
RT: 12.598 min Scan# 1753
Delta R.T. -0.012 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

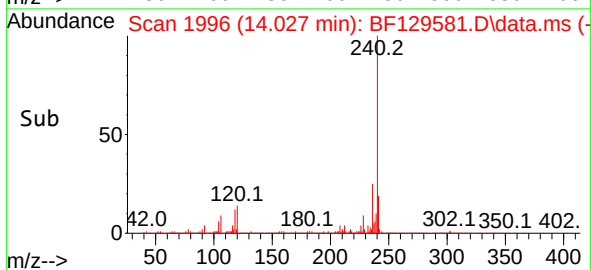
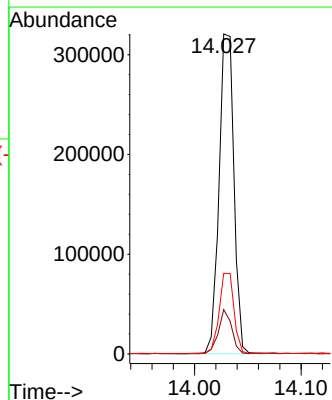
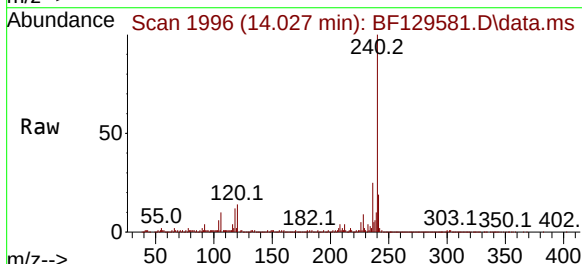
Instrument :
BNA_F
ClientSampleId :
RVE-113

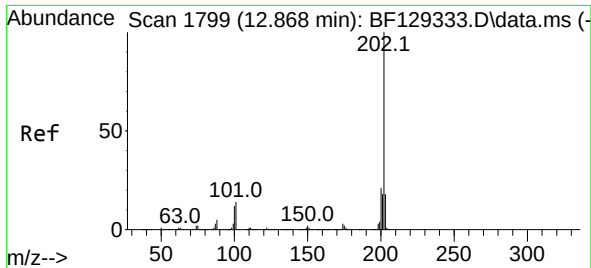
Tgt Ion:202 Resp: 102445
Ion Ratio Lower Upper
202 100
101 13.1 0.0 31.4
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

Tgt Ion:240 Resp: 310574
Ion Ratio Lower Upper
240 100
120 13.8 8.9 13.3#
236 25.2 20.8 31.2

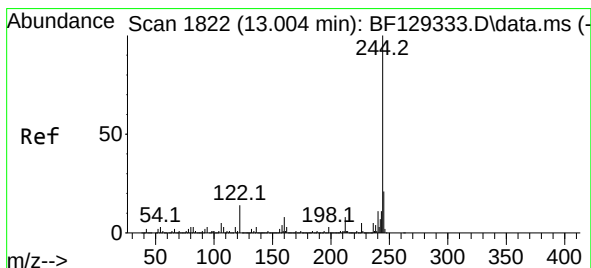
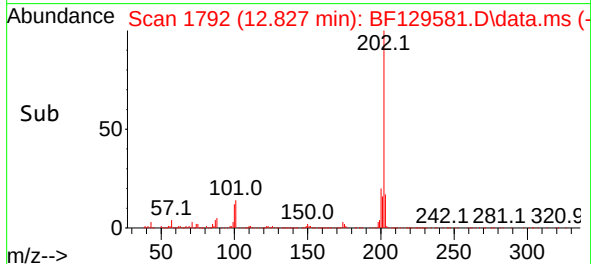
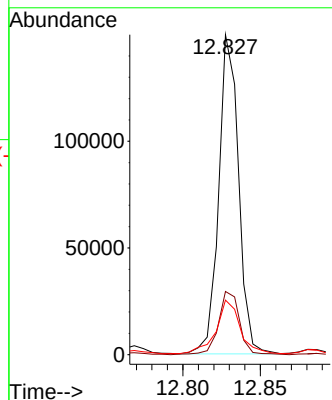
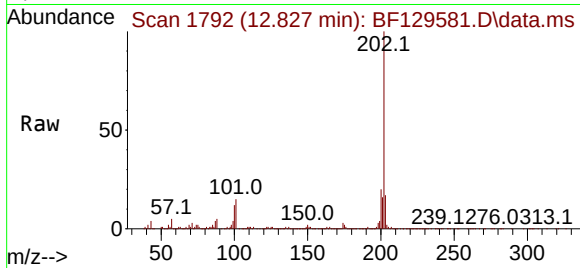




#78
Pyrene
Concen: 5.132 ng
RT: 12.827 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

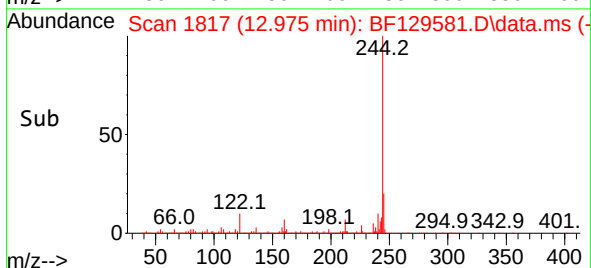
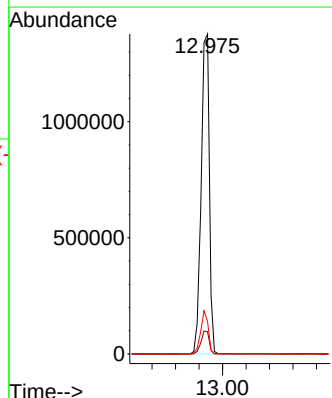
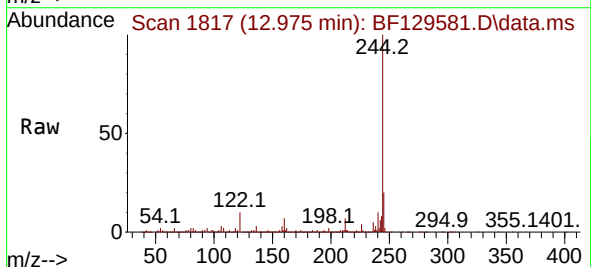
Instrument :
BNA_F
ClientSampleId :
RVE-113

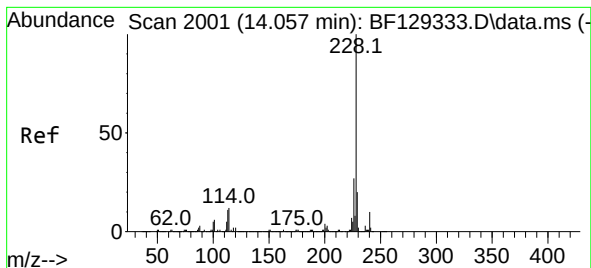
Tgt Ion:202 Resp: 133288
Ion Ratio Lower Upper
202 100
200 19.7 17.7 26.5
203 17.1 14.6 21.8



#79
Terphenyl-d14
Concen: 80.504 ng
RT: 12.975 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

Tgt Ion:244 Resp: 1325280
Ion Ratio Lower Upper
244 100
212 6.9 6.1 9.1
122 10.0 8.8 13.2





#81

Benzo(a)anthracene

Concen: 3.494 ng

RT: 14.057 min Scan# 2001

Delta R.T. 0.029 min

Lab File: BF129581.D

Acq: 04 Aug 2022 21:30

Instrument :

BNA_F

ClientSampleId :

RVE-113

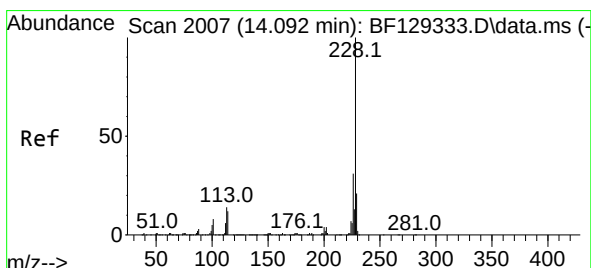
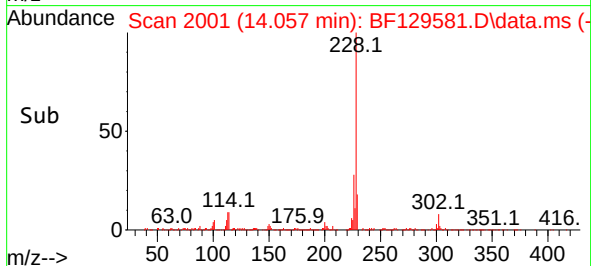
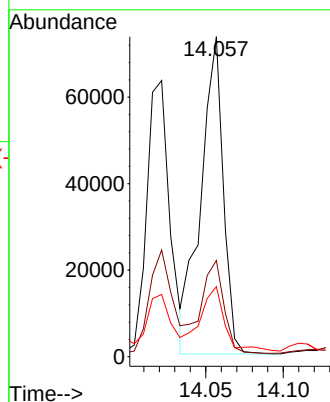
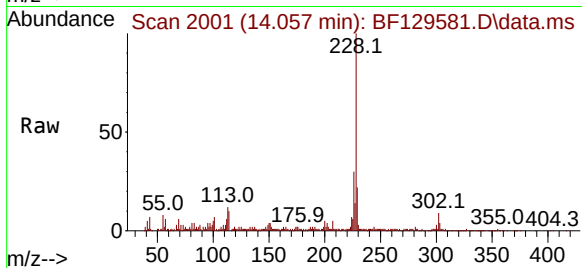
Tgt Ion:228 Resp: 74131

Ion Ratio Lower Upper

228 100

226 30.1 22.1 33.1

229 21.9 15.8 23.8



#83

Chrysene

Concen: 3.708 ng

RT: 14.057 min Scan# 2001

Delta R.T. -0.012 min

Lab File: BF129581.D

Acq: 04 Aug 2022 21:30

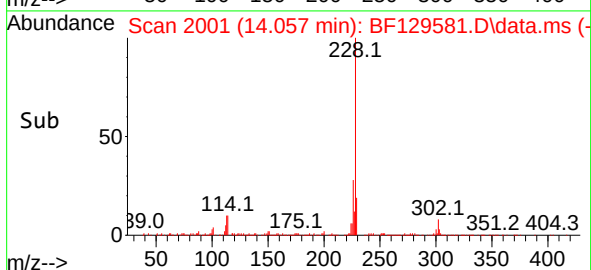
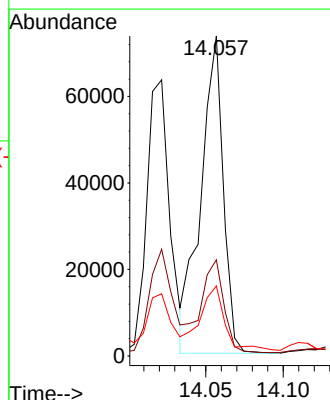
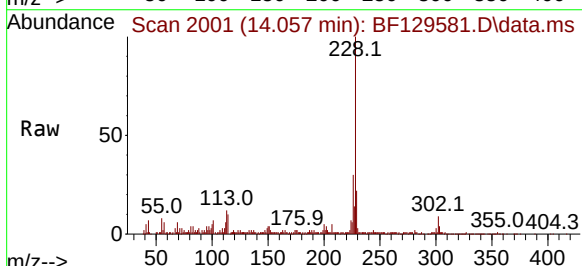
Tgt Ion:228 Resp: 74131

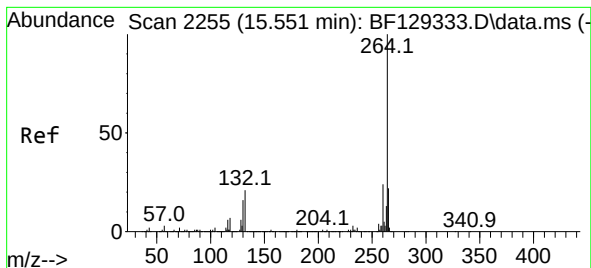
Ion Ratio Lower Upper

228 100

226 30.1 24.3 36.5

229 21.9 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: BF129581.D

Acq: 04 Aug 2022 21:30

Instrument :

BNA_F

ClientSampleId :

RVE-113

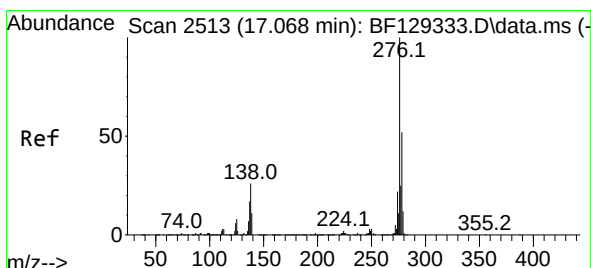
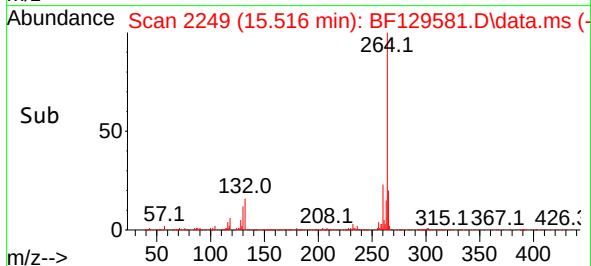
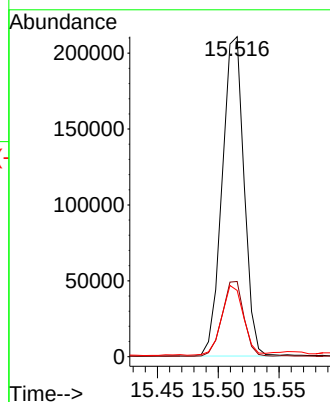
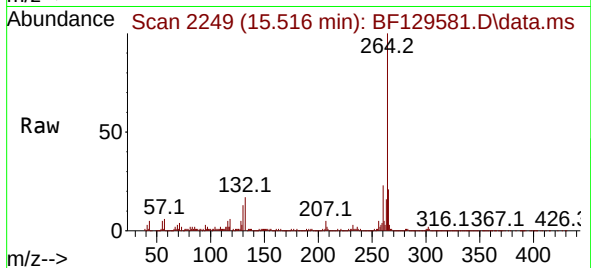
Tgt Ion:264 Resp: 262695

Ion Ratio Lower Upper

264 100

260 23.5 18.4 27.6

265 20.7 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.100 ng

RT: 16.998 min Scan# 2501

Delta R.T. -0.023 min

Lab File: BF129581.D

Acq: 04 Aug 2022 21:30

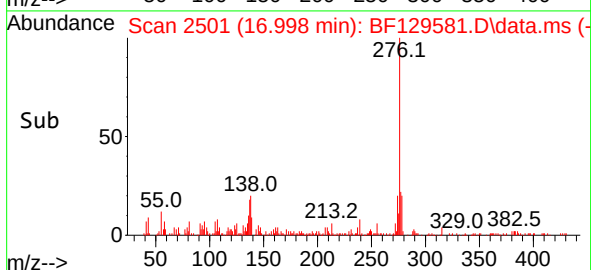
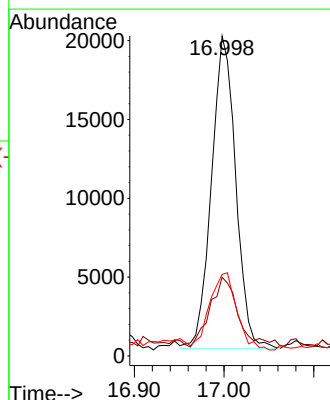
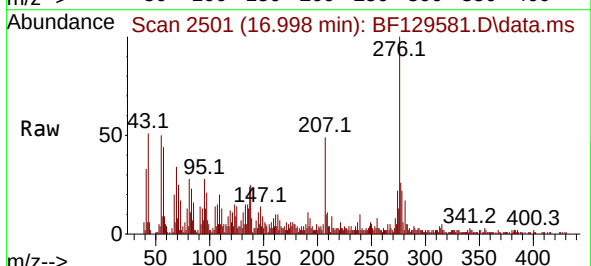
Tgt Ion:276 Resp: 37143

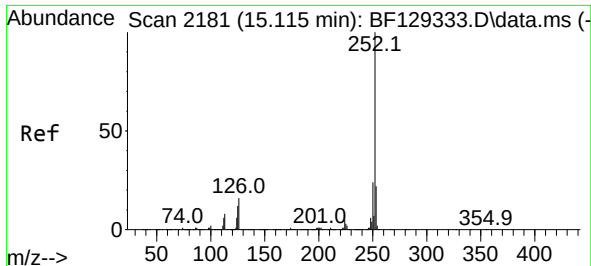
Ion Ratio Lower Upper

276 100

138 26.0 21.1 31.7

277 27.8 20.3 30.5

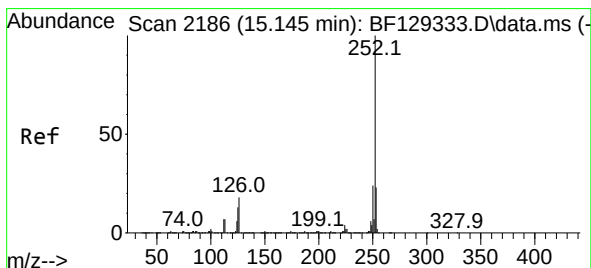
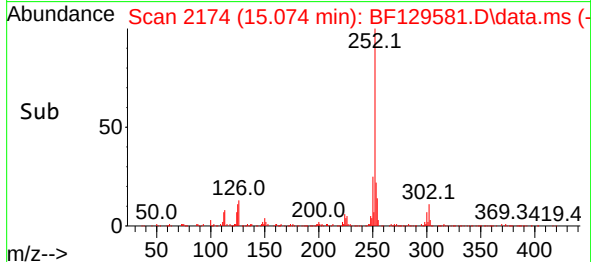
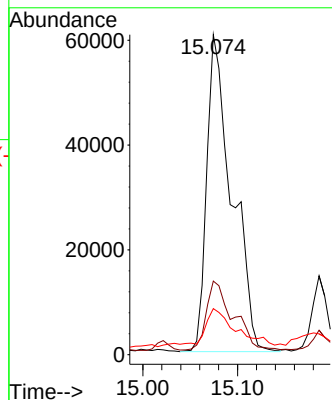
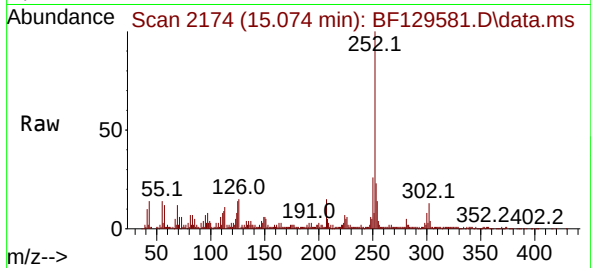




#88
Benzo(b)fluoranthene
Concen: 6.400 ng
RT: 15.074 min Scan# 2181
Delta R.T. -0.012 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

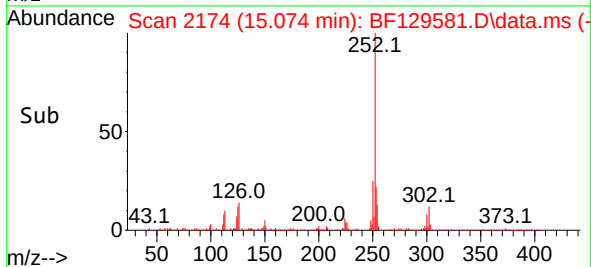
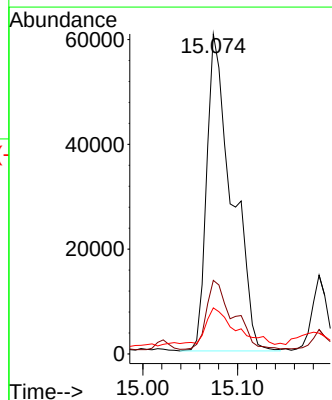
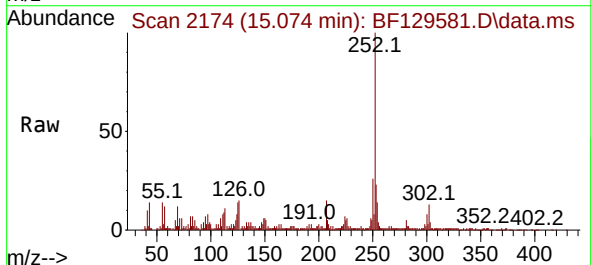
Instrument :
BNA_F
ClientSampleId :
RVE-113

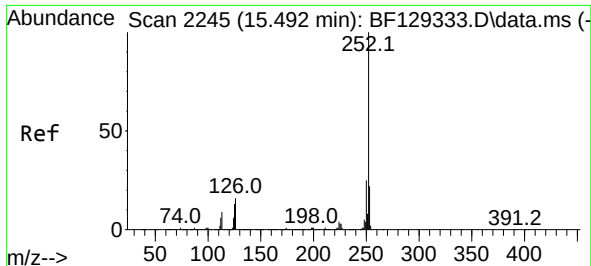
Tgt Ion:252 Resp: 111527
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 14.4 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 6.531 ng
RT: 15.074 min Scan# 2174
Delta R.T. -0.041 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

Tgt Ion:252 Resp: 111527
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 14.4 8.3 12.5#

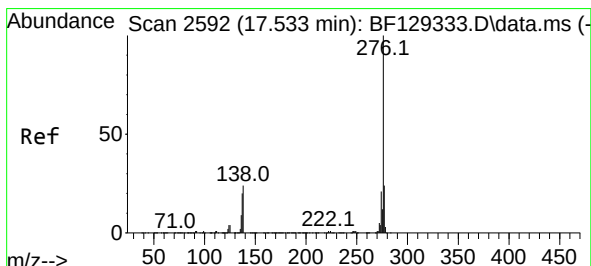
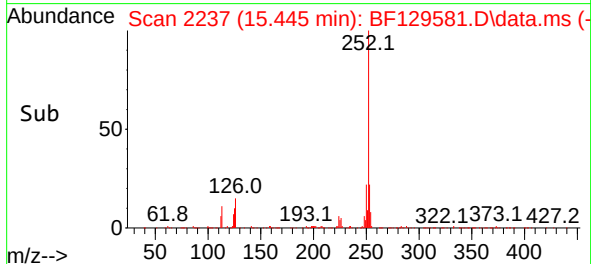
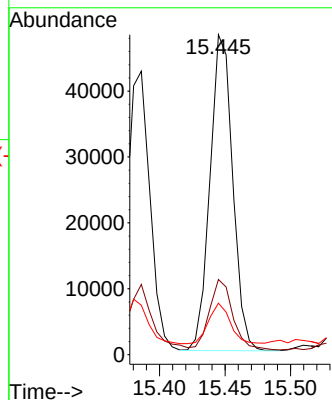
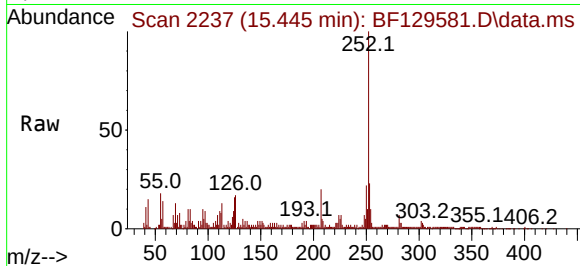




#90
Benzo(a)pyrene
Concen: 4.084 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

Instrument :
BNA_F
ClientSampleId :
RVE-113

Tgt Ion:252 Resp: 57766
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 16.1 8.8 13.2#



#92
Benzo(g,h,i)perylene
Concen: 2.960 ng
RT: 17.457 min Scan# 2579
Delta R.T. -0.023 min
Lab File: BF129581.D
Acq: 04 Aug 2022 21:30

Tgt Ion:276 Resp: 43549
Ion Ratio Lower Upper
276 100
277 24.5 19.1 28.7
138 24.5 18.0 27.0

