

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081622\
 Data File : BF129826.D
 Acq On : 16 Aug 2022 23:28
 Operator : CG\JU
 Sample : N4188-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4

Quant Time: Aug 17 02:40:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 15 02:28:31 2022
 Response via : Initial Calibration

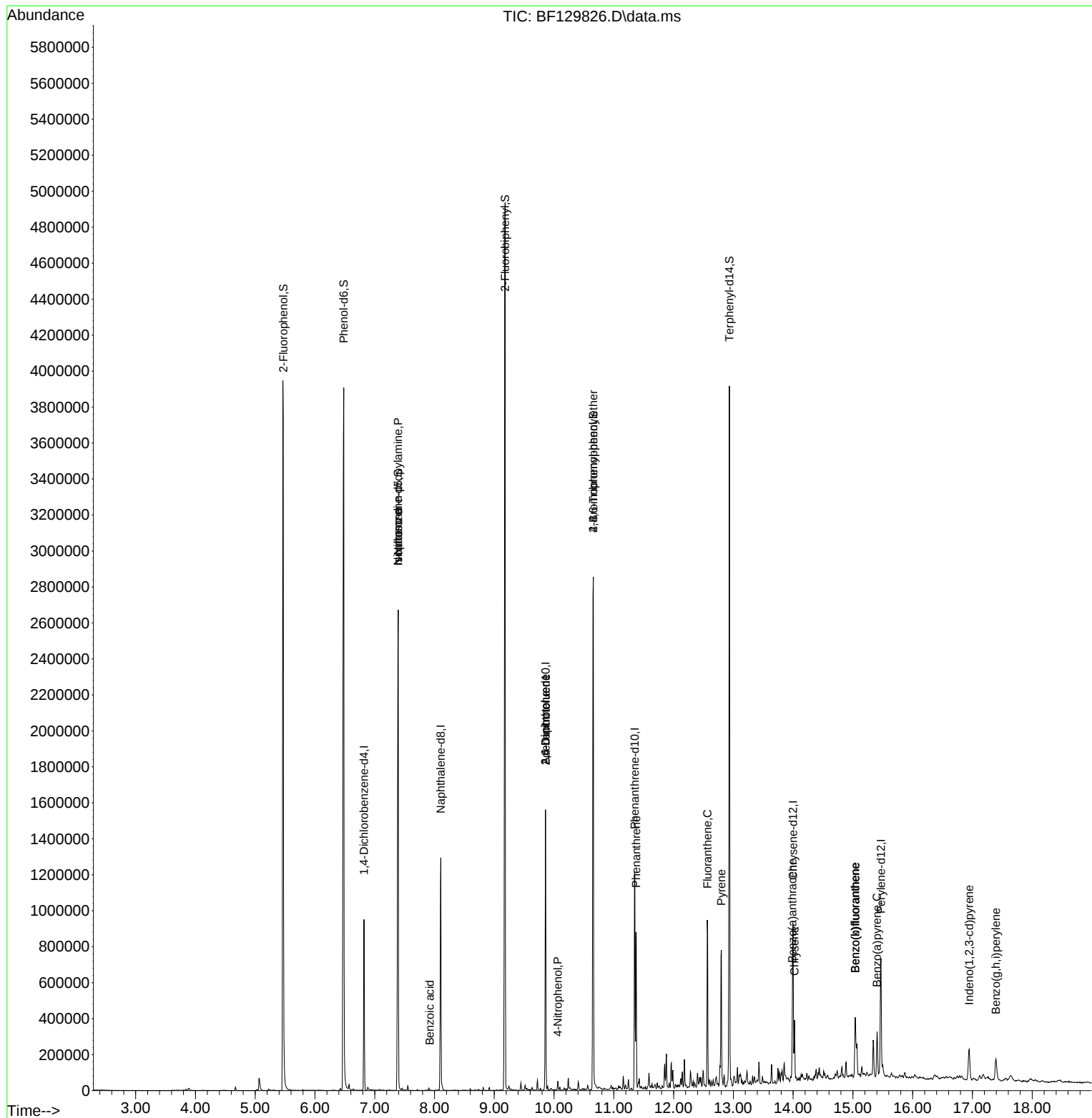
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	148693	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	584873	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	299724	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	452948	20.000	ng	0.00
76) Chrysene-d12	13.998	240	247545	20.000	ng	0.00
86) Perylene-d12	15.468	264	298327	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1172943	130.607	ng	0.00
7) Phenol-d6	6.481	99	1480305	131.626	ng	0.00
23) Nitrobenzene-d5	7.393	82	955868	87.488	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	355740	118.258	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1650630	83.643	ng	0.00
79) Terphenyl-d14	12.933	244	1206906	81.125	ng	0.00
Target Compounds						
9) Benzaldehyde	6.404	77	320	Below Cal	Qvalue	# 42
19) n-Nitroso-di-n-propyla...	7.393	70	128551	18.084	ng	# 75
25) Isophorone	7.393	82	955857	50.830	ng	# 65
32) Benzoic acid	7.922	122	482	2.331	ng	# 22
51) 2,6-Dinitrotoluene	9.857	165	39428	8.459	ng	# 23
56) 4-Nitrophenol	10.063	139	5527	2.410	ng	# 6
57) 2,4-Dinitrotoluene	9.857	165	39428	6.517	ng	# 18
67) 4-Bromophenyl-phenylether	10.657	248	22379	4.218	ng	# 1
71) Phenanthrene	11.375	178	333845	13.197	ng	99
75) Fluoranthene	12.569	202	359393	13.884	ng	98
77) Benzidine	12.933	184	16384	Below Cal	#	91
78) Pyrene	12.798	202	303726	14.119	ng	99
81) Benzo(a)anthracene	13.986	228	86553	5.083	ng	97
83) Chrysene	14.021	228	129911	8.150	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	98622	4.815	ng	95
88) Benzo(b)fluoranthene	15.039	252	231229	11.319	ng	98
89) Benzo(k)fluoranthene	15.039	252	231229	11.803	ng	97
90) Benzo(a)pyrene	15.404	252	116286	7.229	ng	98
92) Benzo(g,h,i)perylene	17.392	276	94757	5.621	ng	97

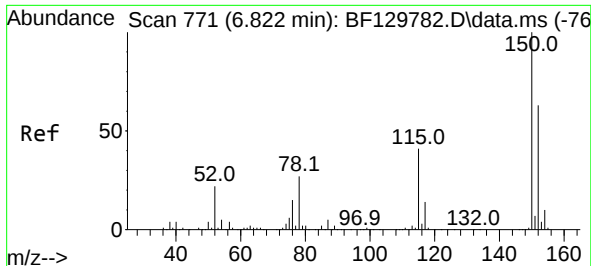
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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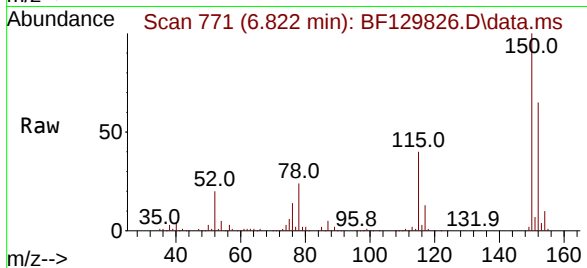
Quant Time: Aug 17 02:40:42 2022
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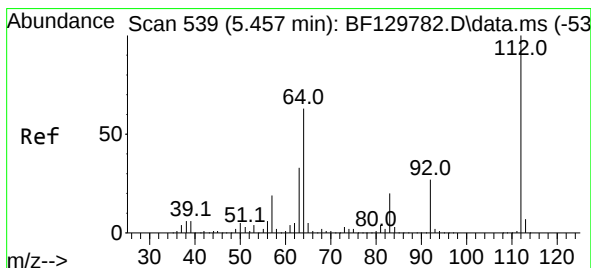
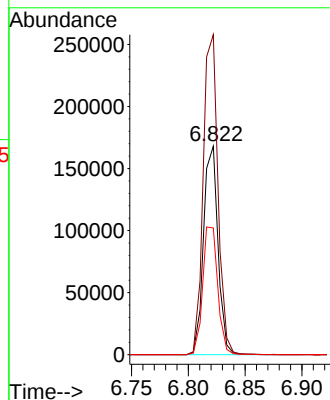
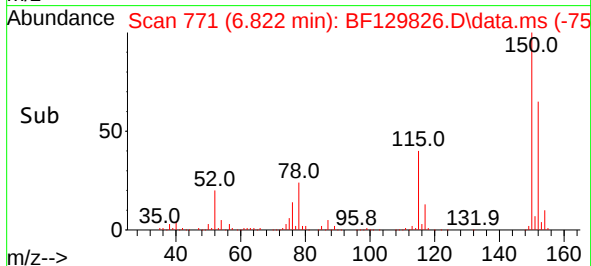


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

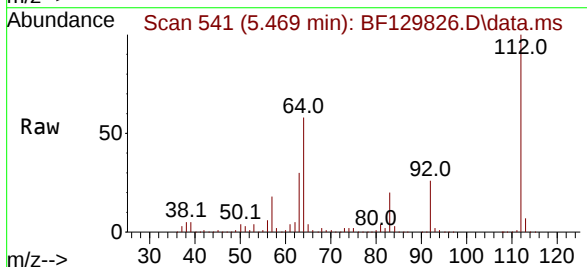
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BNA_F
ClientSampleId :
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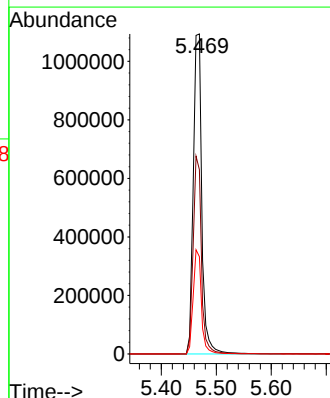
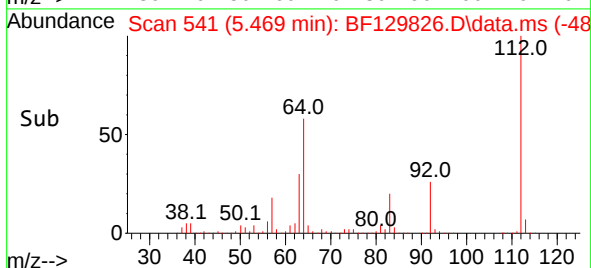
Tgt Ion:152 Resp: 148693
Ion Ratio Lower Upper
152 100
150 153.5 126.9 190.3
115 60.8 53.4 80.0

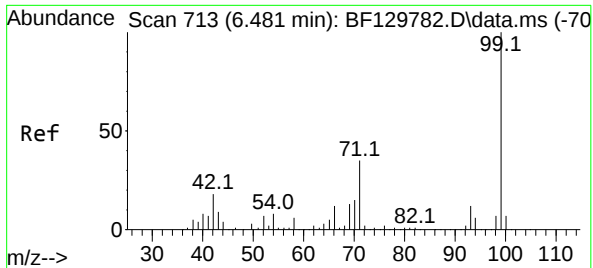


#5
2-Fluorophenol
Concen: 130.607 ng
RT: 5.469 min Scan# 541
Delta R.T. 0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28



Tgt Ion:112 Resp: 1172943
Ion Ratio Lower Upper
112 100
64 57.6 47.6 71.4
63 30.4 24.6 37.0

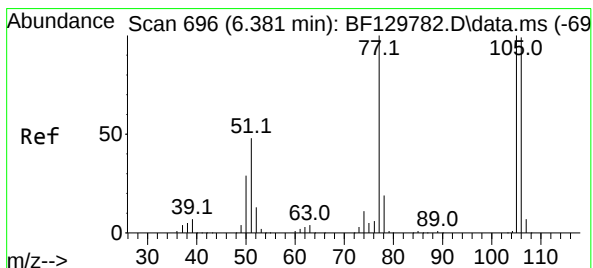
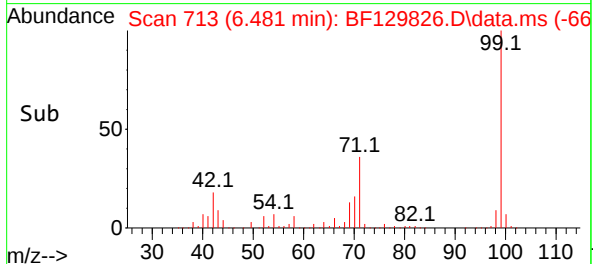
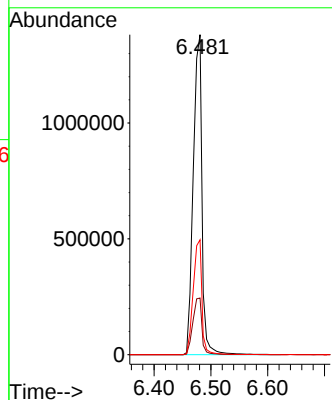
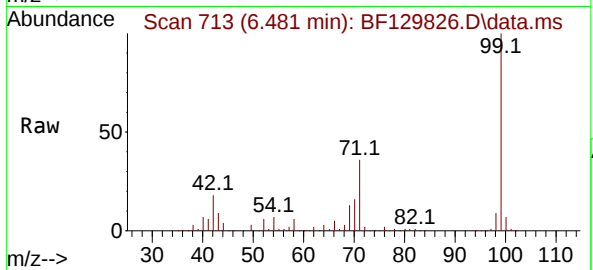




#7
Phenol-d6
Concen: 131.626 ng
RT: 6.481 min Scan# 713
Delta R.T. 0.000 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

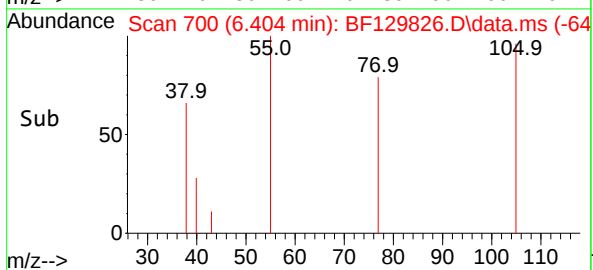
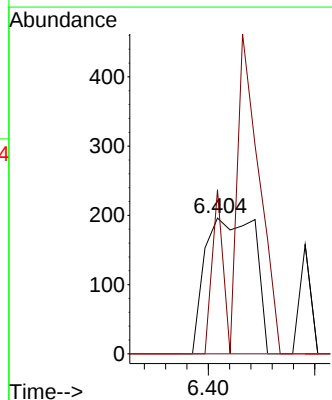
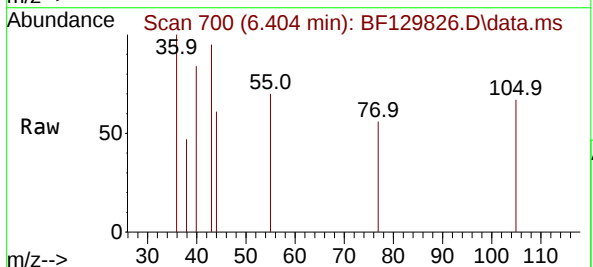
Instrument :
BNA_F
ClientSampleId :
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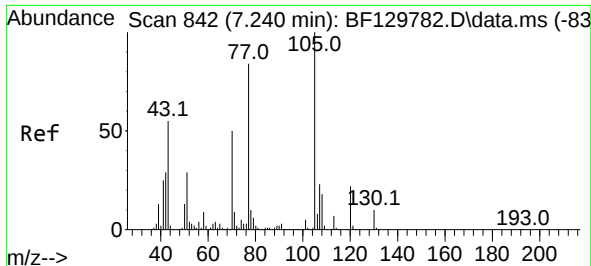
Tgt Ion: 99 Resp: 1480305
Ion Ratio Lower Upper
99 100
42 17.7 15.0 22.4
71 35.9 28.8 43.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.404 min Scan# 700
Delta R.T. 0.023 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Tgt Ion: 77 Resp: 320
Ion Ratio Lower Upper
77 100
105 120.9 80.3 120.3#
106 0.0 74.3 114.3#

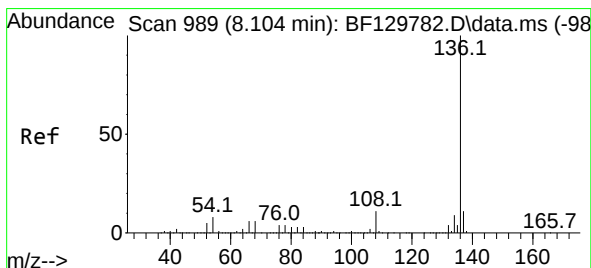
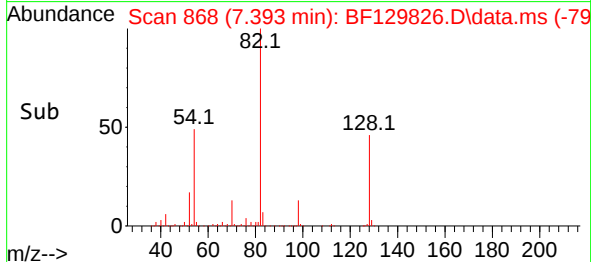
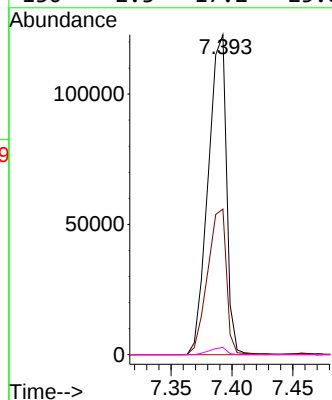
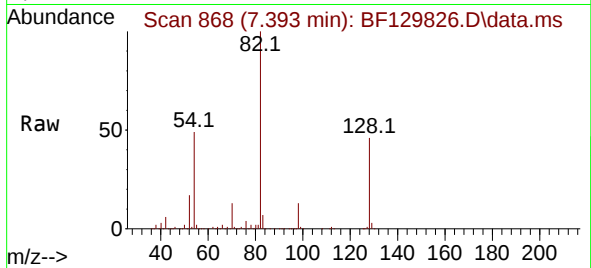




#19
n-Nitroso-di-n-propylamine
Concen: 18.084 ng
RT: 7.393 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

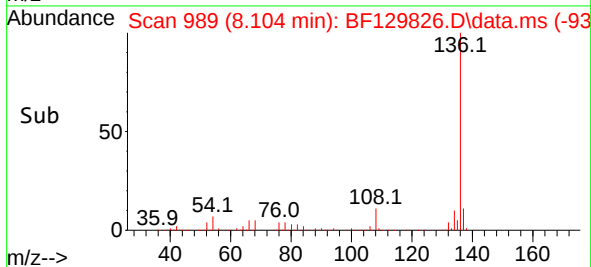
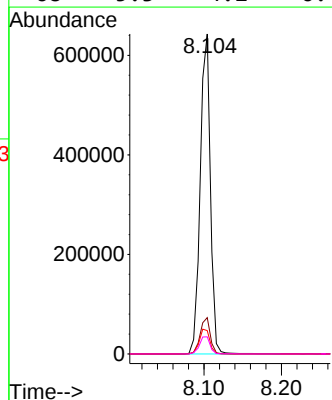
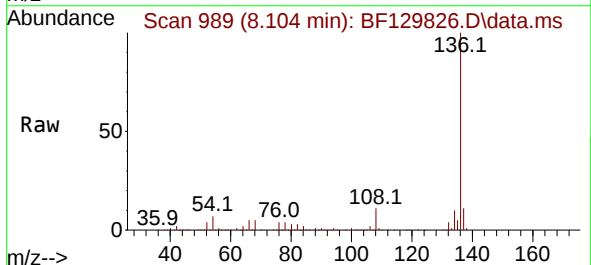
Instrument :
BNA_F
ClientSampleId :
S4

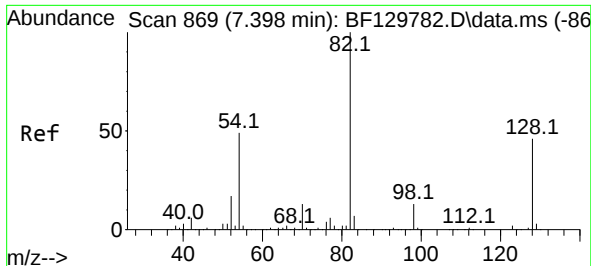
Tgt Ion: 70 Resp: 128551
Ion Ratio Lower Upper
70 100
42 45.5 47.6 71.4#
101 0.0 8.1 12.1#
130 2.3 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Tgt Ion: 136 Resp: 584873
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 7.3 6.2 9.2
68 5.3 4.2 6.4

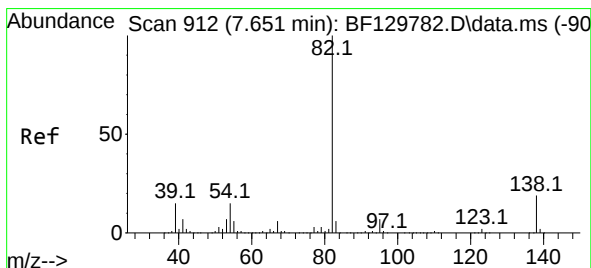
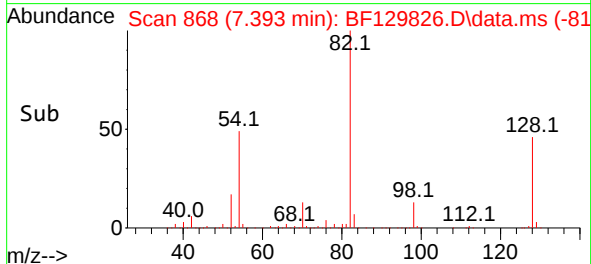
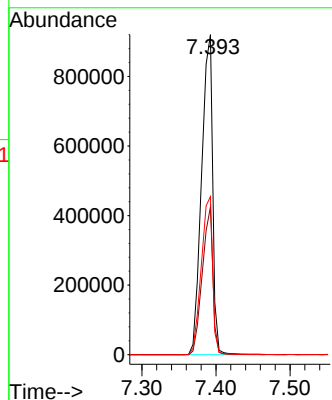
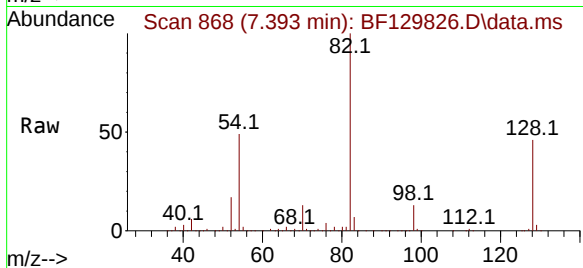




#23
Nitrobenzene-d5
Concen: 87.488 ng
RT: 7.393 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

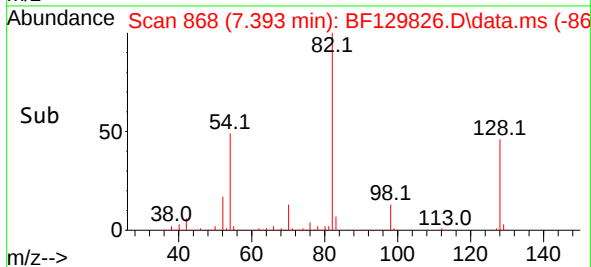
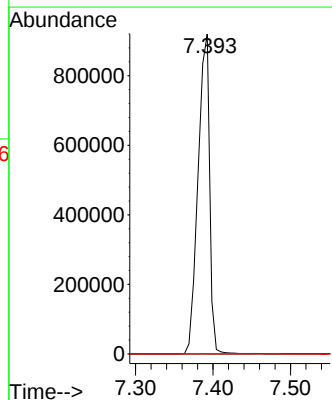
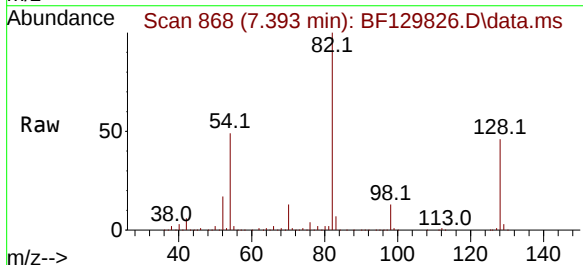
Instrument :
BNA_F
ClientSampleId :
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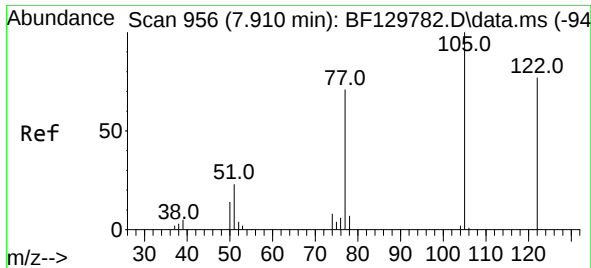
Tgt Ion: 82 Resp: 955868
Ion Ratio Lower Upper
82 100
128 46.1 36.1 54.1
54 49.4 40.0 60.0



#25
Isophorone
Concen: 50.830 ng
RT: 7.393 min Scan# 868
Delta R.T. -0.259 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Tgt Ion: 82 Resp: 955857
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#

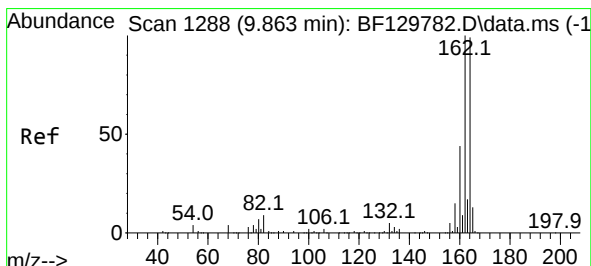
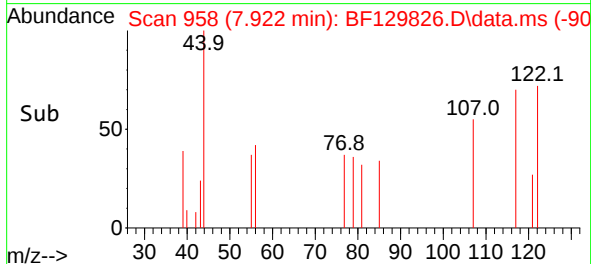
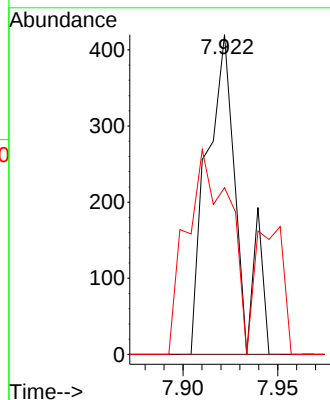
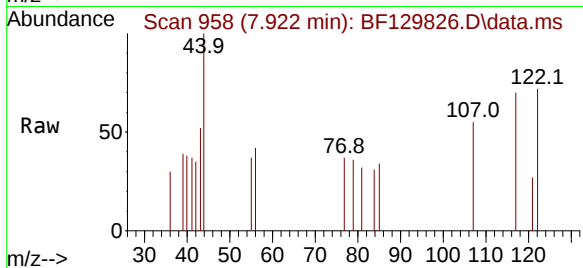




#32
Benzoic acid
Concen: 2.331 ng
RT: 7.922 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

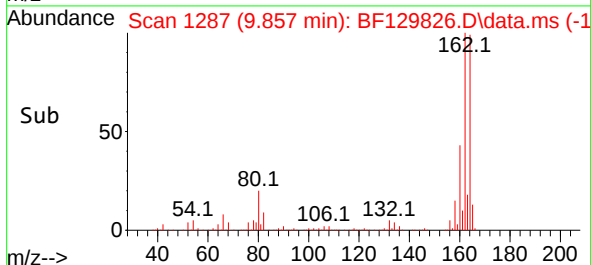
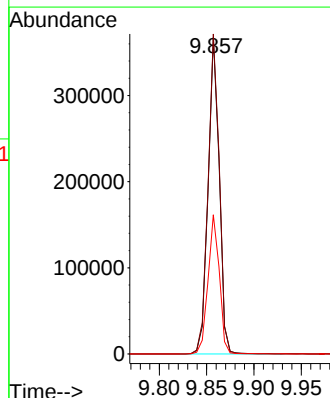
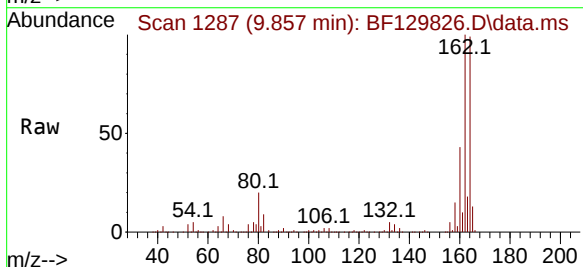
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ClientSampleId :
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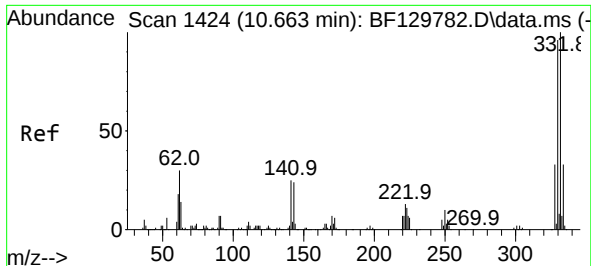
Tgt Ion:122 Resp: 482
Ion Ratio Lower Upper
122 100
105 0.0 99.9 139.9#
77 52.1 65.9 105.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Tgt Ion:164 Resp: 299724
Ion Ratio Lower Upper
164 100
162 101.1 82.0 123.0
160 44.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 118.258 ng

RT: 10.657 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF129826.D

Acq: 16 Aug 2022 23:28

Instrument :

BNA_F

ClientSampleId :

S4

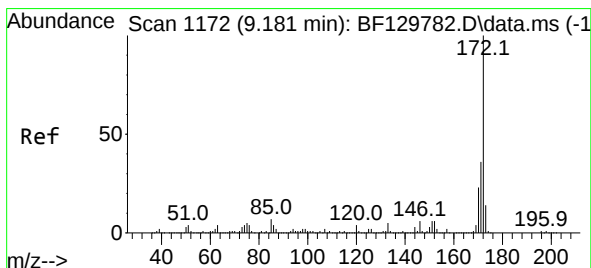
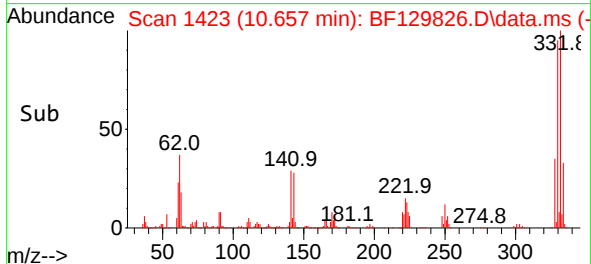
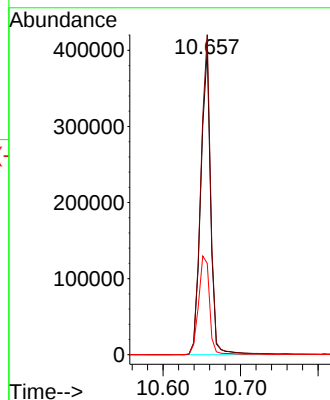
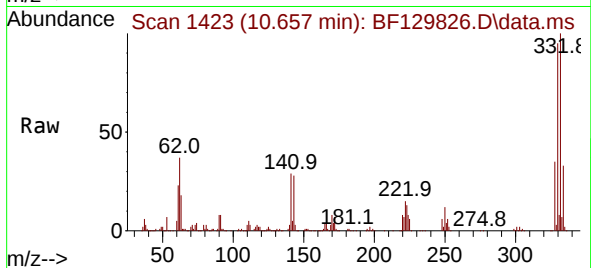
Tgt Ion:330 Resp: 355740

Ion Ratio Lower Upper

330 100

332 104.7 82.6 124.0

141 36.0 27.6 41.4



#45

2-Fluorobiphenyl

Concen: 83.643 ng

RT: 9.181 min Scan# 1172

Delta R.T. -0.006 min

Lab File: BF129826.D

Acq: 16 Aug 2022 23:28

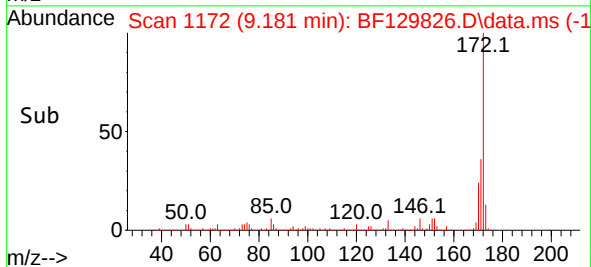
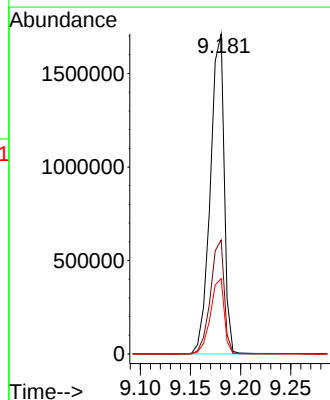
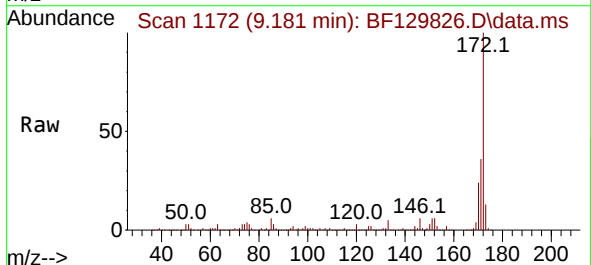
Tgt Ion:172 Resp: 1650630

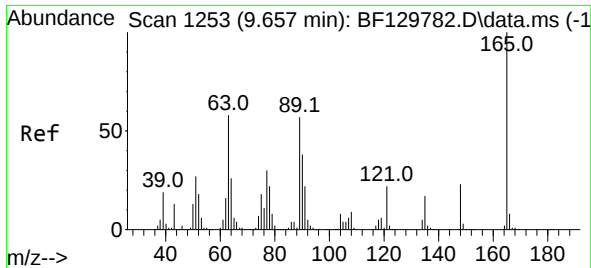
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.5 19.1 28.7

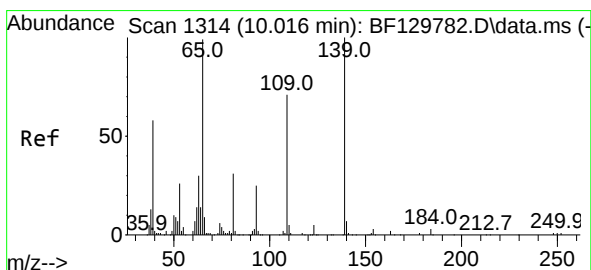
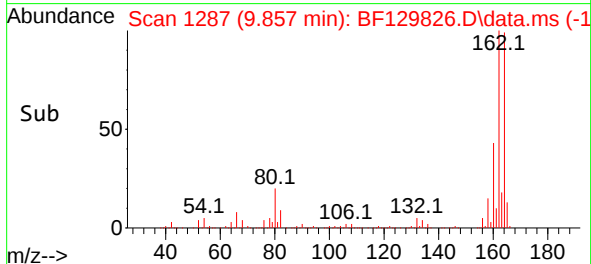
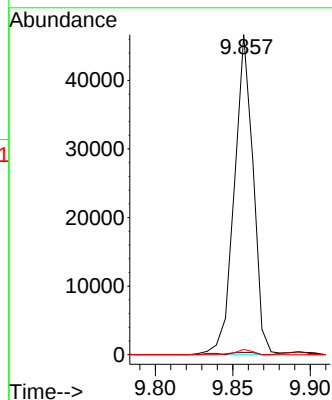
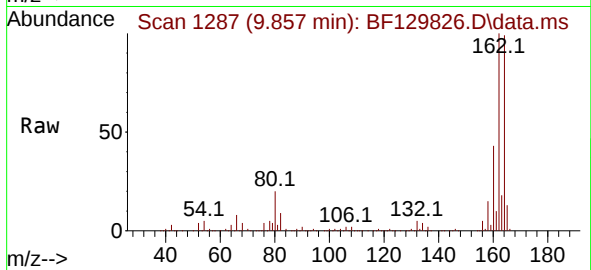




#51
2,6-Dinitrotoluene
Concen: 8.459 ng
RT: 9.857 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

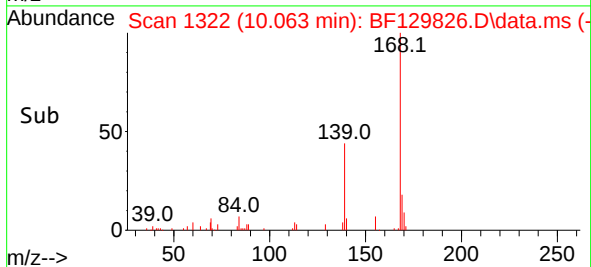
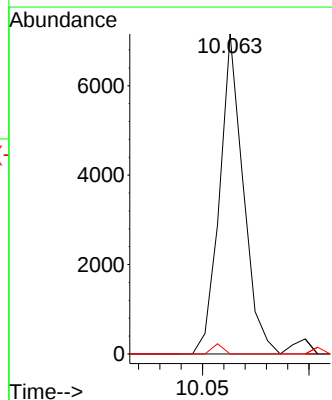
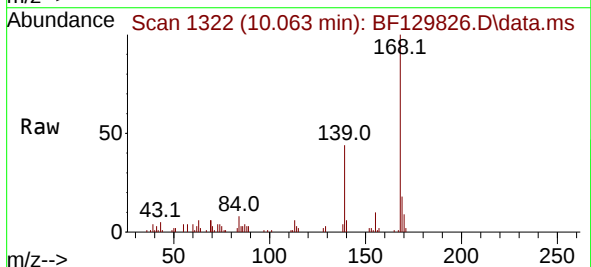
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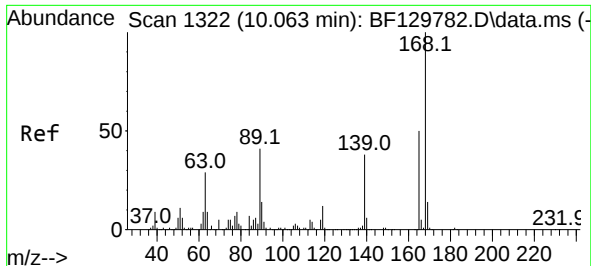
Tgt Ion:165 Resp: 39428
Ion Ratio Lower Upper
165 100
63 0.7 47.8 71.8#
89 1.6 47.2 70.8#



#56
4-Nitrophenol
Concen: 2.410 ng
RT: 10.063 min Scan# 1322
Delta R.T. 0.047 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Tgt Ion:139 Resp: 5527
Ion Ratio Lower Upper
139 100
109 0.0 52.9 92.9#
65 0.0 79.5 119.5#

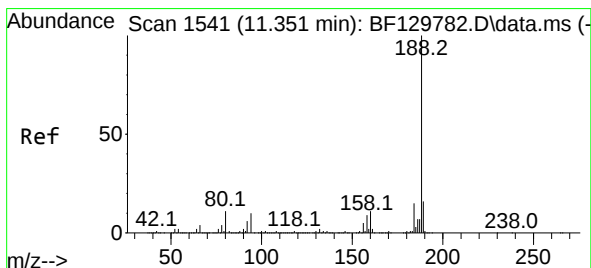
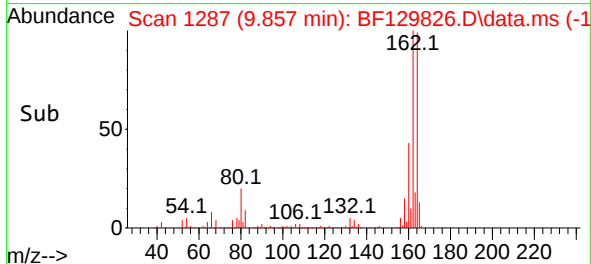
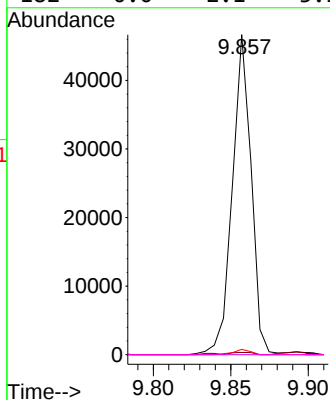
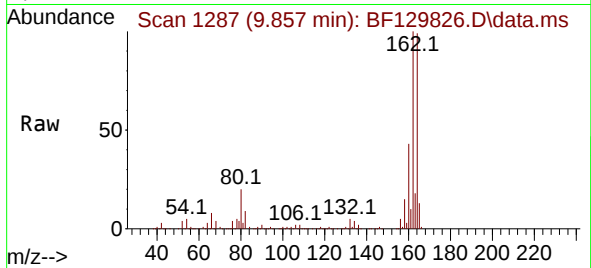




#57
2,4-Dinitrotoluene
Concen: 6.517 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

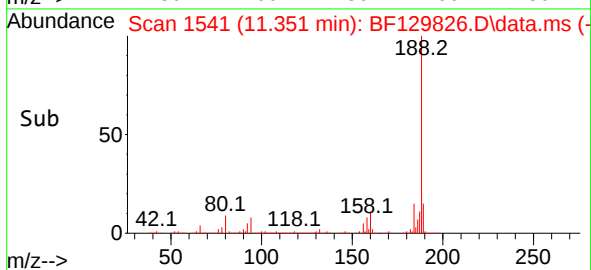
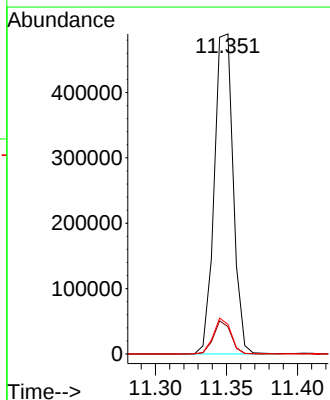
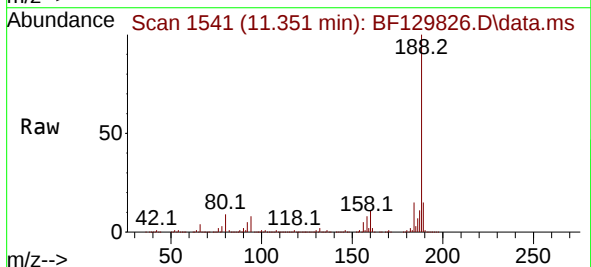
Instrument :
BNA_F
ClientSampleId :
S4

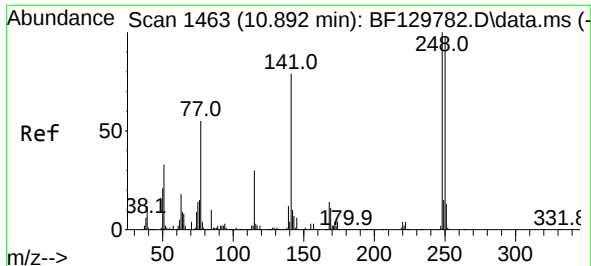
Tgt Ion:165 Resp: 39428
Ion Ratio Lower Upper
165 100
63 0.7 48.4 72.6#
89 1.6 62.3 93.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Tgt Ion:188 Resp: 452948
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.2
80 9.3 7.9 11.9

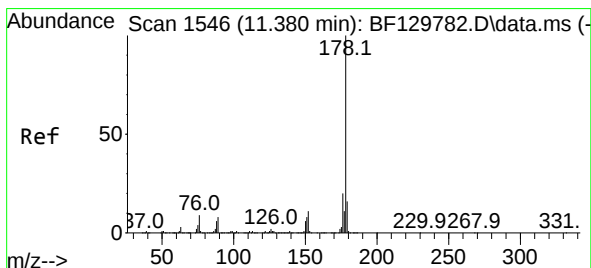
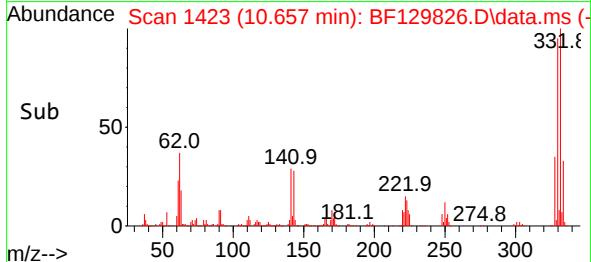
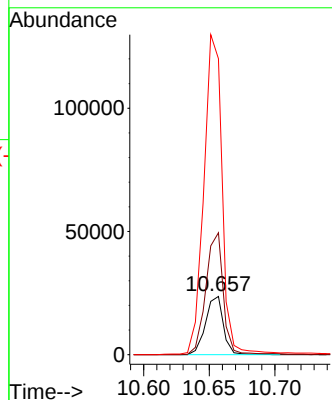
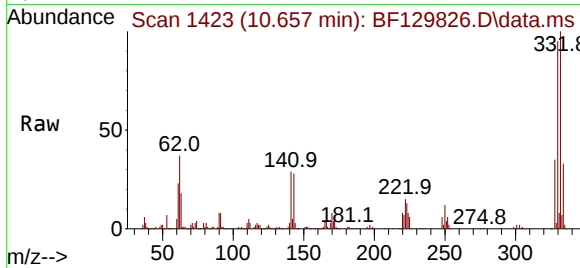




#67
4-Bromophenyl-phenylether
Concen: 4.218 ng
RT: 10.657 min Scan# 1463
Delta R.T. -0.235 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

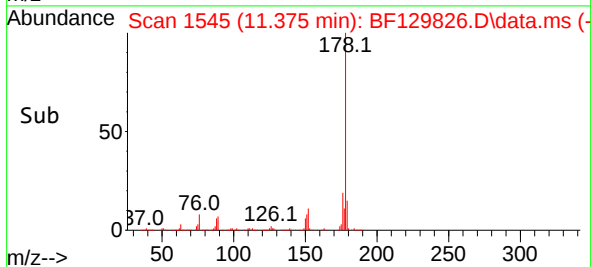
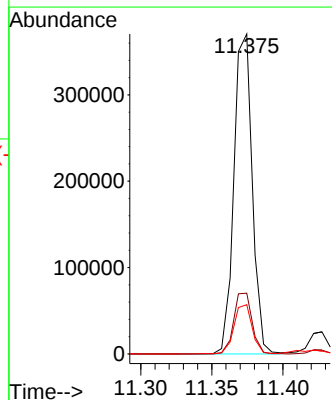
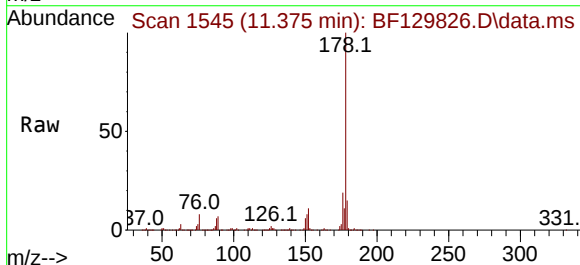
Instrument :
BNA_F
ClientSampleId :
S4

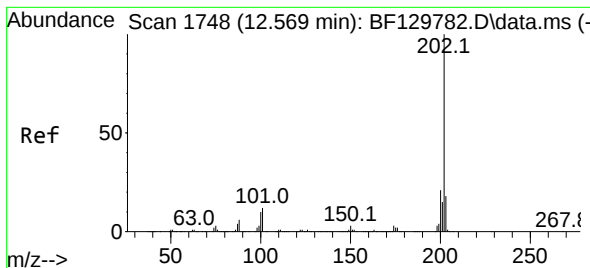
Tgt Ion:248 Resp: 22379
Ion Ratio Lower Upper
248 100
250 209.3 77.8 116.6#
141 507.9 66.2 99.2#



#71
Phenanthrene
Concen: 13.197 ng
RT: 11.375 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Tgt Ion:178 Resp: 333845
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.4 12.5 18.7





#75

Fluoranthene

Concen: 13.884 ng

RT: 12.569 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129826.D

Acq: 16 Aug 2022 23:28

Instrument :

BNA_F

ClientSampleId :

S4

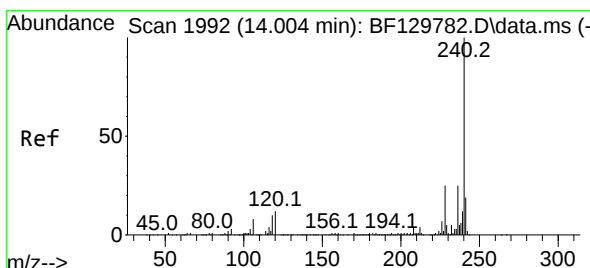
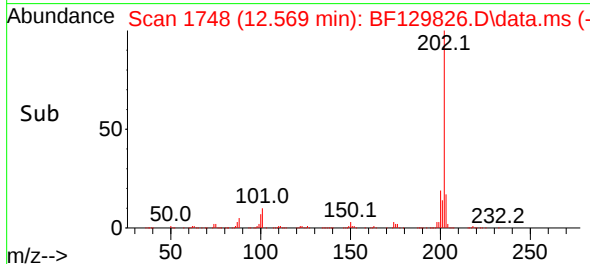
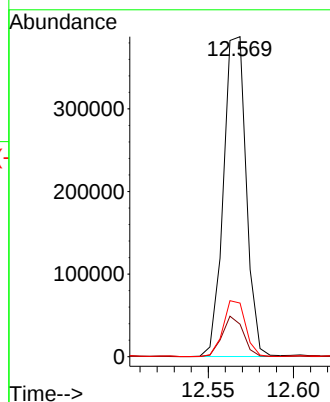
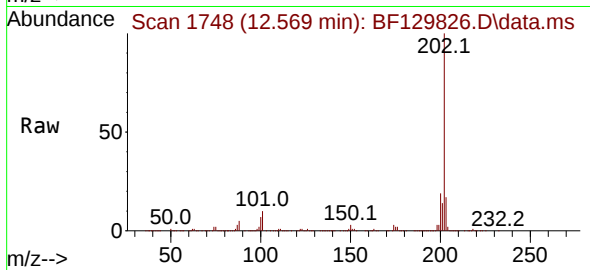
Tgt Ion:202 Resp: 359393

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.7

203 16.8 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 1991

Delta R.T. -0.006 min

Lab File: BF129826.D

Acq: 16 Aug 2022 23:28

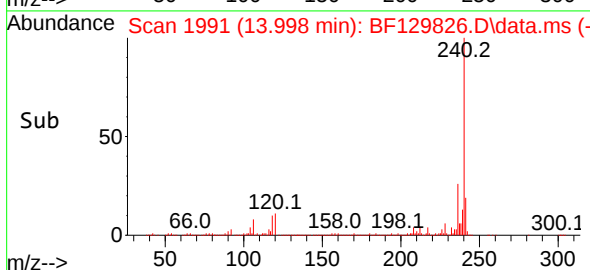
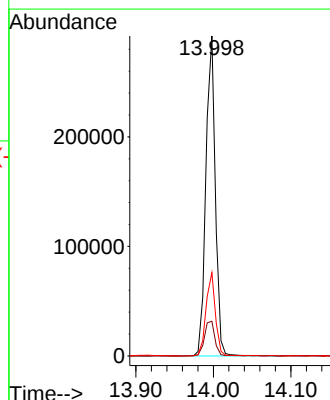
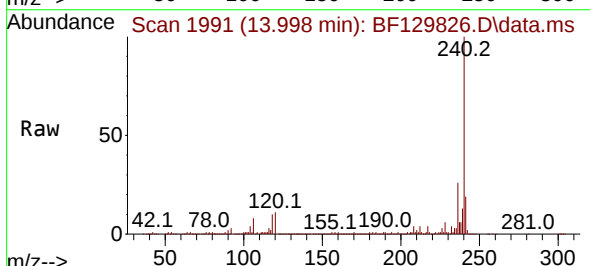
Tgt Ion:240 Resp: 247545

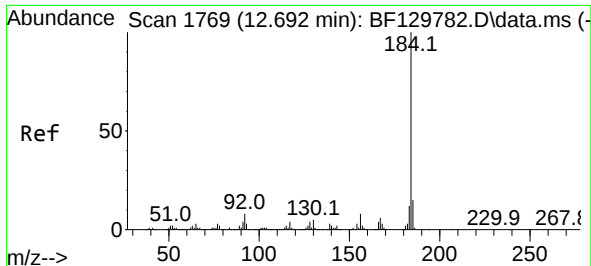
Ion Ratio Lower Upper

240 100

120 10.9 9.2 13.8

236 26.0 20.7 31.1

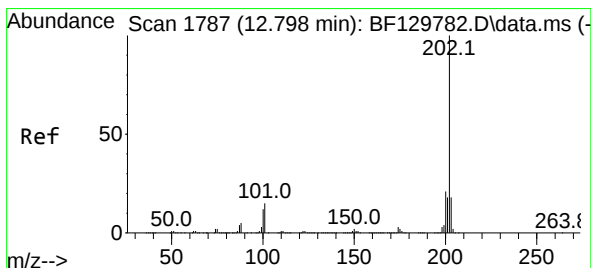
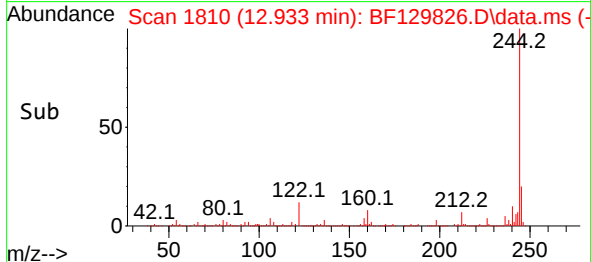
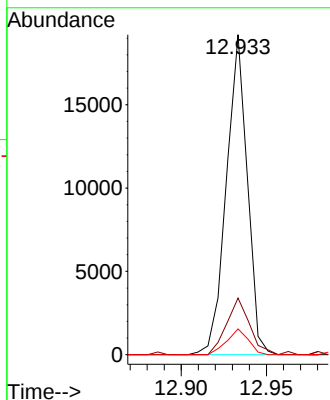
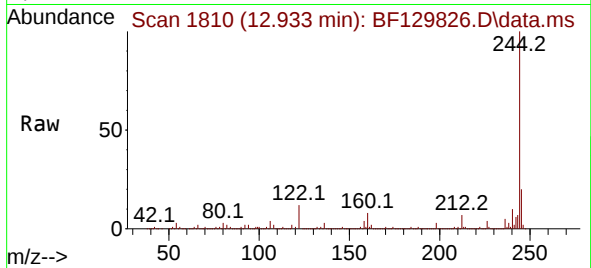




#77
Benzidine
Concen: Below Cal
RT: 12.933 min Scan# 1810
Delta R.T. 0.241 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

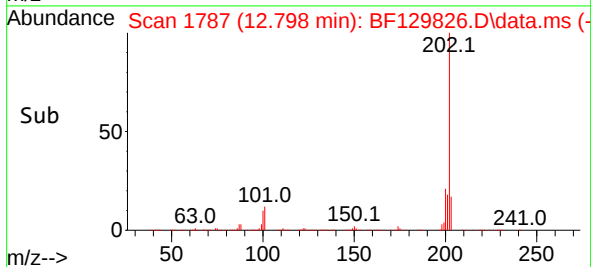
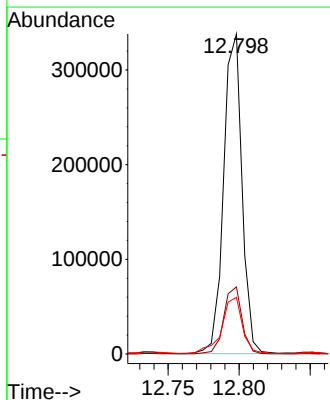
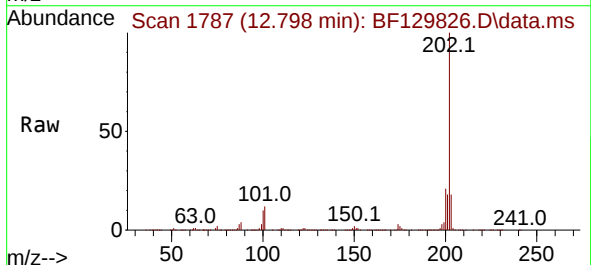
Instrument :
BNA_F
ClientSampleId :
S4

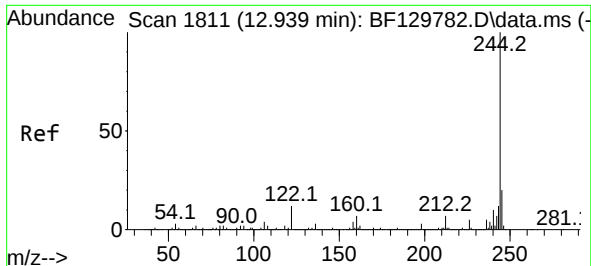
Tgt Ion:184 Resp: 16384
Ion Ratio Lower Upper
184 100
185 17.7 11.4 17.2#
183 8.0 9.4 14.2#



#78
Pyrene
Concen: 14.119 ng
RT: 12.798 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Tgt Ion:202 Resp: 303726
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 17.7 14.1 21.1

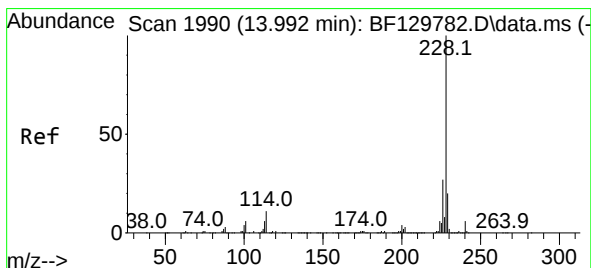
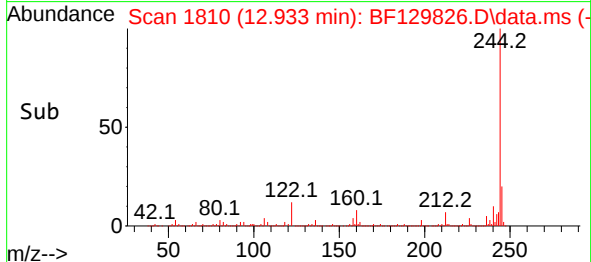
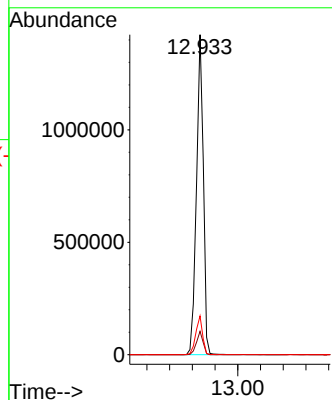
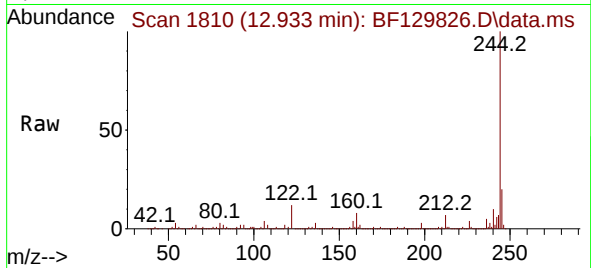




#79
 Terphenyl-d14
 Concen: 81.125 ng
 RT: 12.933 min Scan# 1811
 Delta R.T. -0.006 min
 Lab File: BF129826.D
 Acq: 16 Aug 2022 23:28

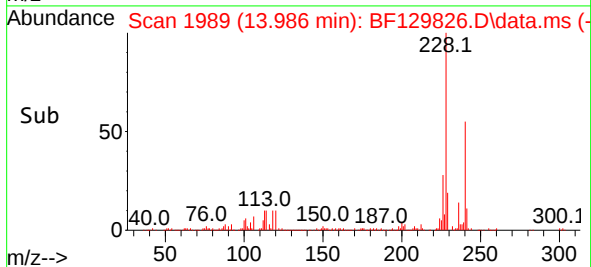
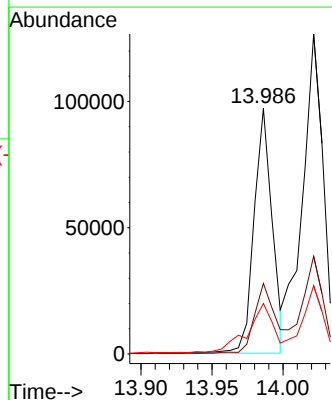
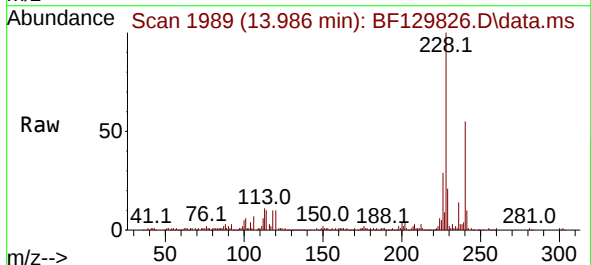
Instrument :
 BNA_F
 ClientSampleId :
 S4

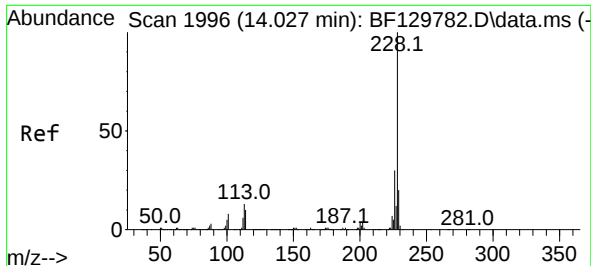
Tgt Ion:244 Resp: 1206906
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 12.1 9.9 14.9



#81
 Benzo(a)anthracene
 Concen: 5.083 ng
 RT: 13.986 min Scan# 1989
 Delta R.T. -0.006 min
 Lab File: BF129826.D
 Acq: 16 Aug 2022 23:28

Tgt Ion:228 Resp: 86553
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.4 32.0
 229 20.5 16.1 24.1

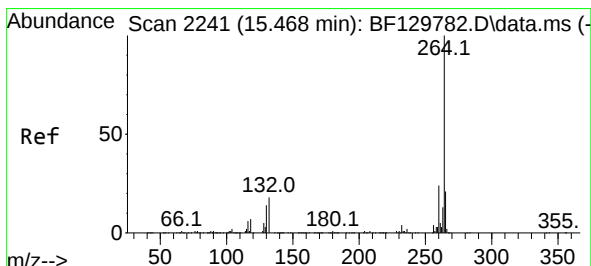
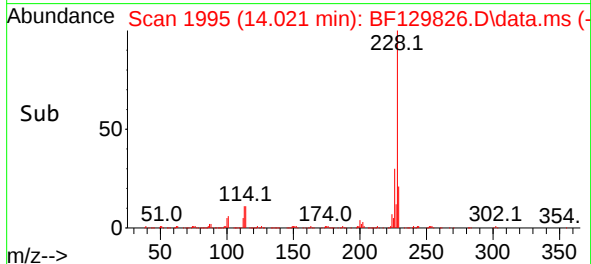
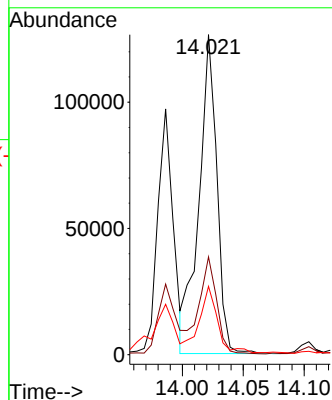
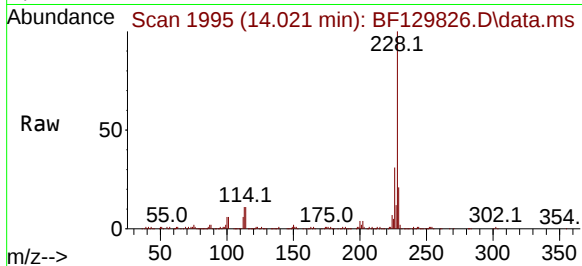




#83
Chrysene
Concen: 8.150 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.012 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

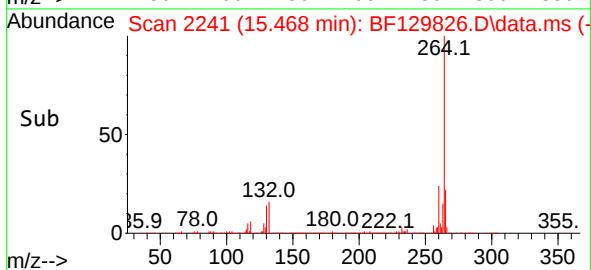
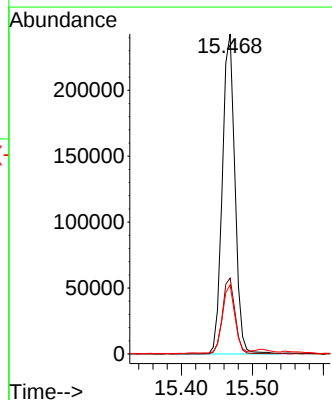
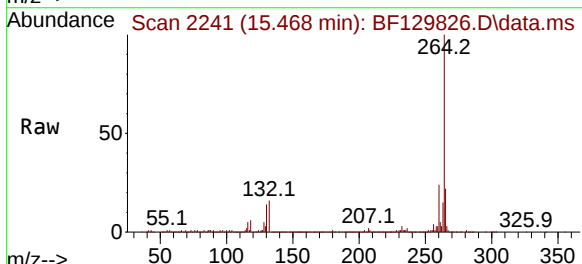
Instrument :
BNA_F
ClientSampleId :
S4

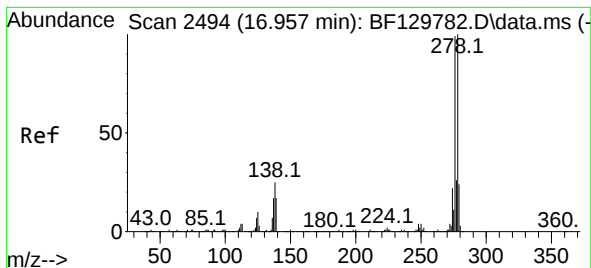
Tgt Ion:228 Resp: 129911
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 21.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2241
Delta R.T. 0.000 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Tgt Ion:264 Resp: 298327
Ion Ratio Lower Upper
264 100
260 23.7 19.1 28.7
265 21.6 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.815 ng

RT: 16.945 min Scan# 2494

Delta R.T. -0.012 min

Lab File: BF129826.D

Acq: 16 Aug 2022 23:28

Instrument :

BNA_F

ClientSampleId :

S4

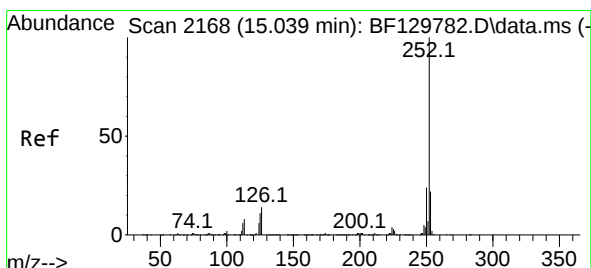
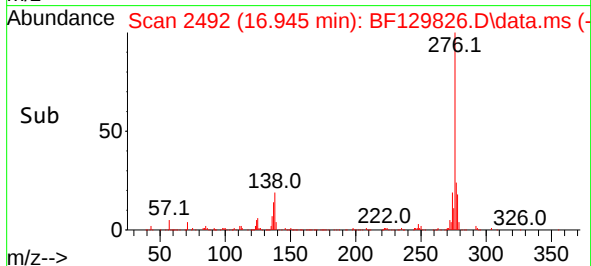
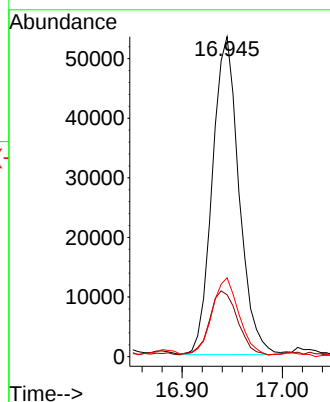
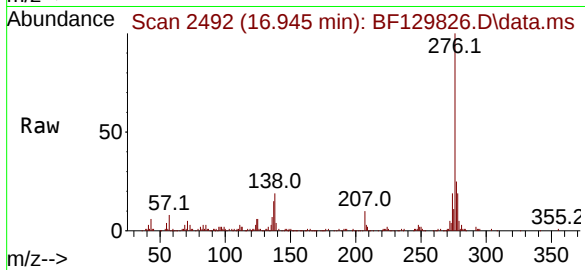
Tgt Ion:276 Resp: 98622

Ion Ratio Lower Upper

276 100

138 21.2 19.8 29.8

277 24.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 11.319 ng

RT: 15.039 min Scan# 2168

Delta R.T. 0.000 min

Lab File: BF129826.D

Acq: 16 Aug 2022 23:28

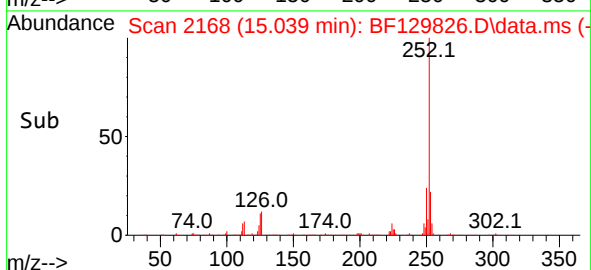
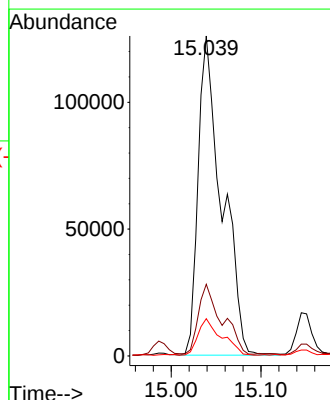
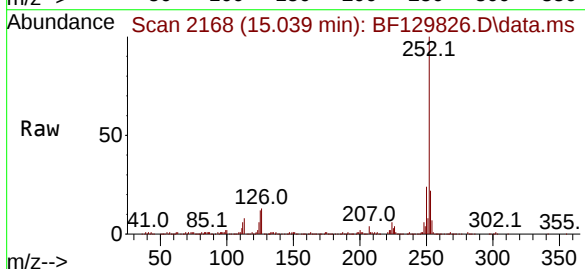
Tgt Ion:252 Resp: 231229

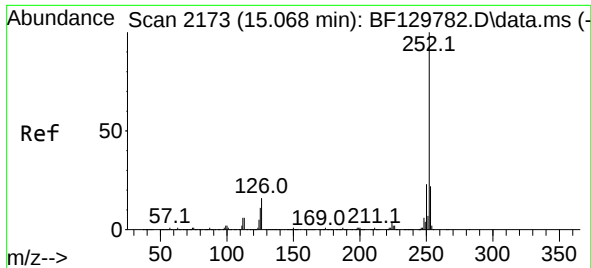
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 11.6 8.3 12.5

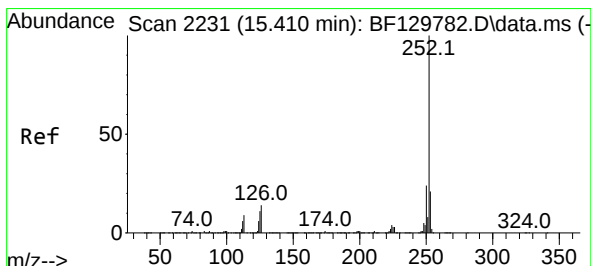
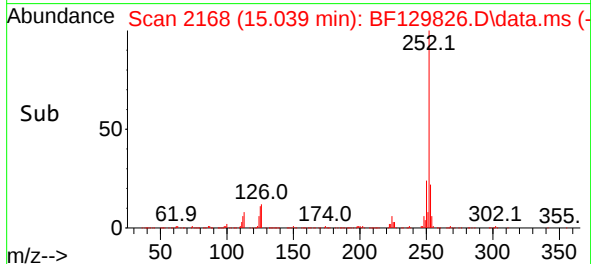
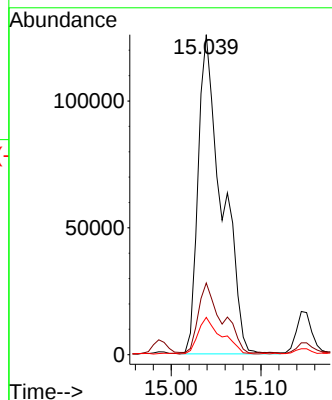
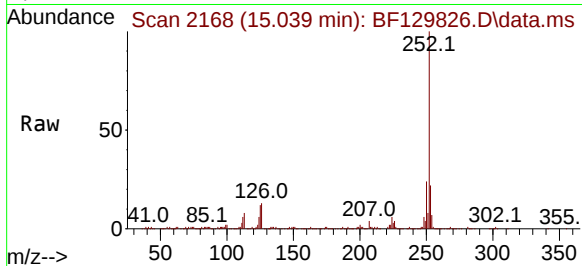




#89
Benzo(k)fluoranthene
Concen: 11.803 ng
RT: 15.039 min Scan# 2173
Delta R.T. -0.029 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

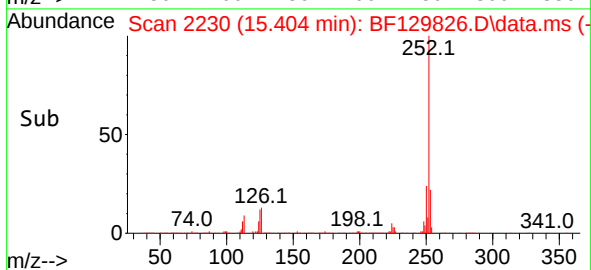
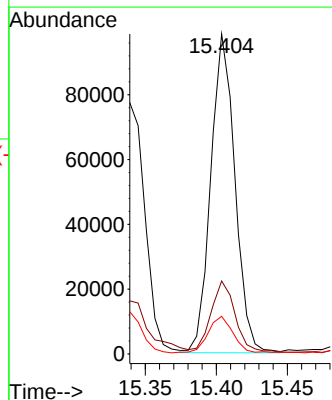
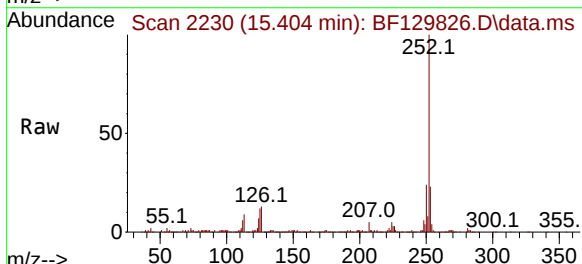
Instrument :
BNA_F
ClientSampleId :
S4

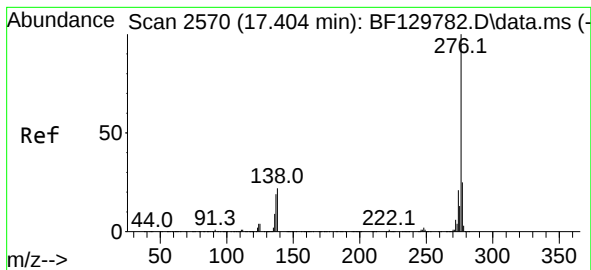
Tgt Ion:252 Resp: 231229
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 11.6 8.3 12.5



#90
Benzo(a)pyrene
Concen: 7.229 ng
RT: 15.404 min Scan# 2230
Delta R.T. -0.006 min
Lab File: BF129826.D
Acq: 16 Aug 2022 23:28

Tgt Ion:252 Resp: 116286
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 11.7 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 5.621 ng

RT: 17.392 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129826.D

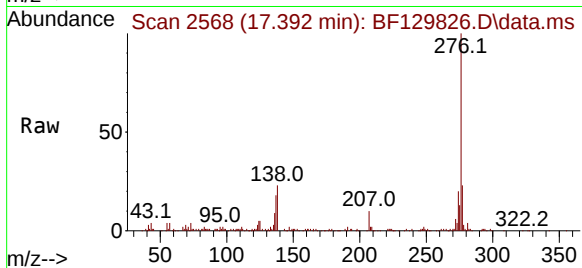
Acq: 16 Aug 2022 23:28

Instrument :

BNA_F

ClientSampleId :

S4



Tgt Ion:276 Resp: 94757

Ion Ratio Lower Upper

276 100

277 23.0 18.2 27.4

138 23.0 15.8 23.8

