

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010322\
 Data File : BF126457.D
 Acq On : 3 Jan 2022 15:47
 Operator : JU/CG
 Sample : M5241-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2D

Quant Time: Jan 03 16:11:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 04:30:49 2021
 Response via : Initial Calibration

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

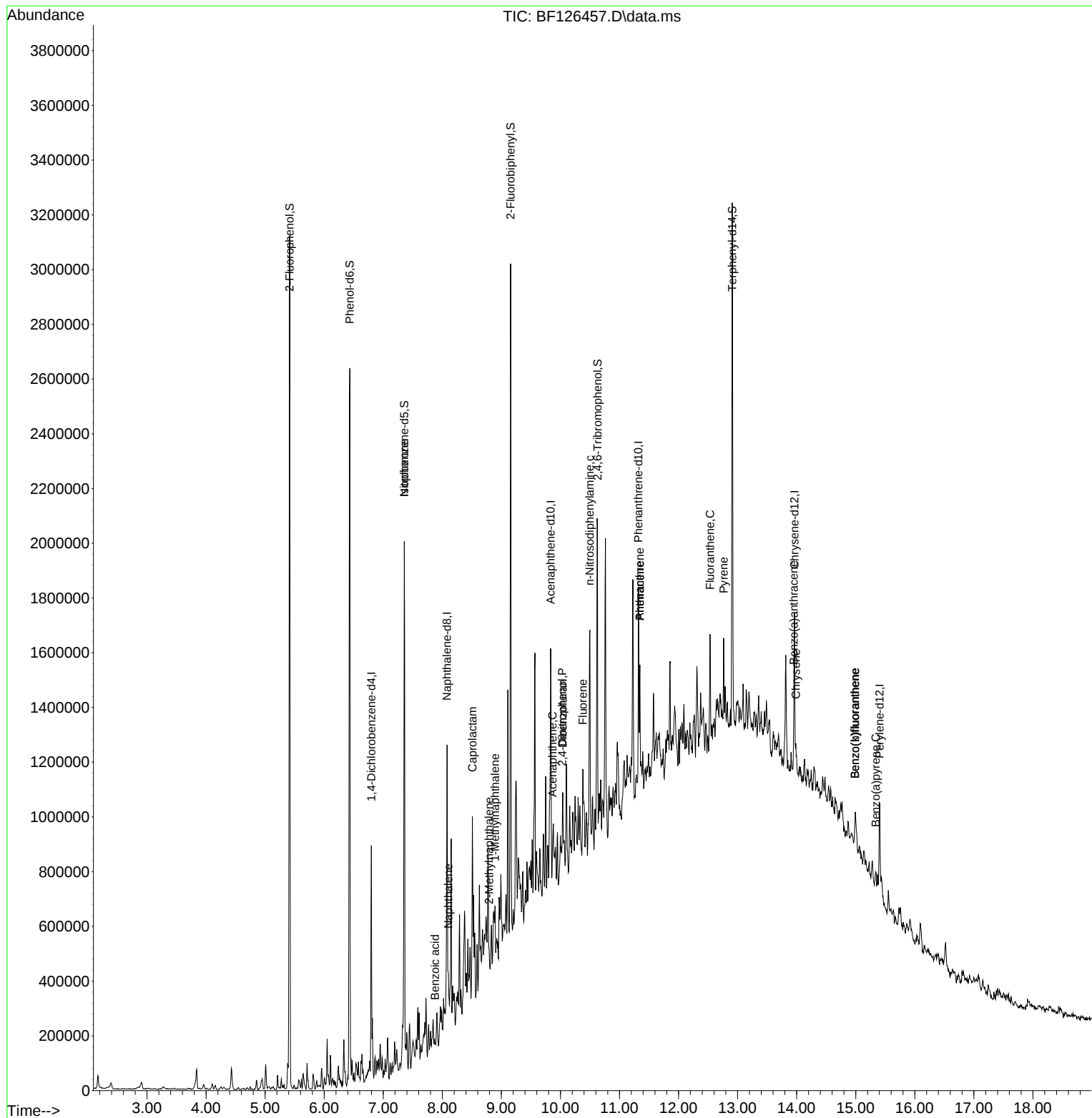
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	112623	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	384807	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	150787	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	261889	20.000	ng	0.00
76) Chrysene-d12	13.962	240	190804	20.000	ng	0.00
86) Perylene-d12	15.404	264	148171	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	879515	112.147	ng	0.01
7) Phenol-d6	6.434	99	1047841	103.158	ng	0.00
23) Nitrobenzene-d5	7.357	82	673401	89.854	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	167738	143.956	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	804275	93.861	ng	0.00
79) Terphenyl-d14	12.910	244	764861	77.885	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.357	82	665299	49.590	ng	# 69
31) Naphthalene	8.104	128	73172	4.029	ng	98
32) Benzoic acid	7.875	122	2708	7.688	ng	# 52
35) Caprolactam	8.510	113	12627	10.457	ng	# 2
37) 2-Methylnaphthalene	8.792	142	35977	3.358	ng	96
38) 1-Methylnaphthalene	8.892	142	20885	2.016	ng	99
52) Acenaphthene	9.869	154	28318	3.400	ng	95
54) 2,4-Dinitrophenol	10.033	184	463	4.425	ng	# 1
55) Dibenzofuran	10.039	168	34149	3.033	ng	# 95
58) Fluorene	10.380	166	33048	4.151	ng	# 91
66) n-Nitrosodiphenylamine	10.498	169	20966	2.580	ng	# 46
71) Phenanthrene	11.345	178	116716	8.717	ng	# 97
72) Anthracene	11.345	178	116716	8.712	ng	96
75) Fluoranthene	12.533	202	145797	11.931	ng	95
77) Benzidine	12.627	184	2047	Below Cal		# 1
78) Pyrene	12.763	202	137544	8.530	ng	98
81) Benzo(a)anthracene	13.951	228	40153	3.659	ng	# 87
83) Chrysene	13.986	228	51613	4.586	ng	# 88
88) Benzo(b)fluoranthene	14.986	252	55724	6.313	ng	# 63
89) Benzo(k)fluoranthene	14.986	252	55724	6.517	ng	# 61
90) Benzo(a)pyrene	15.339	252	21924	2.962	ng	# 49

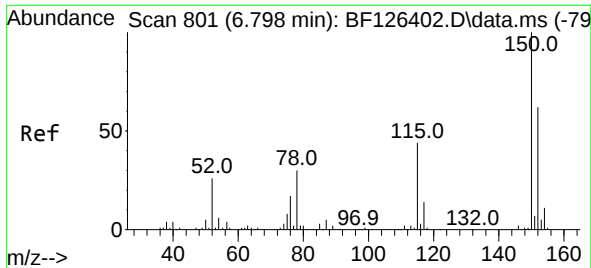
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 30 04:30:49 2021
Response via : Initial Calibration

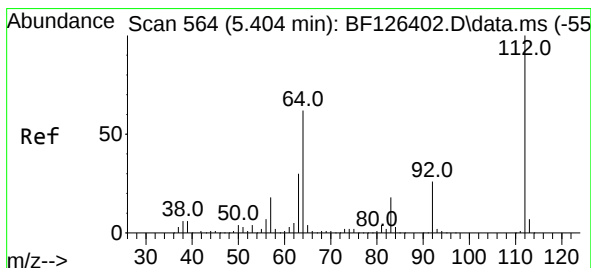
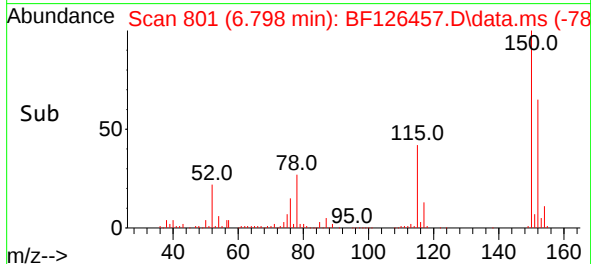
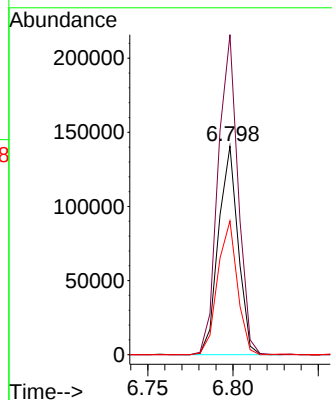
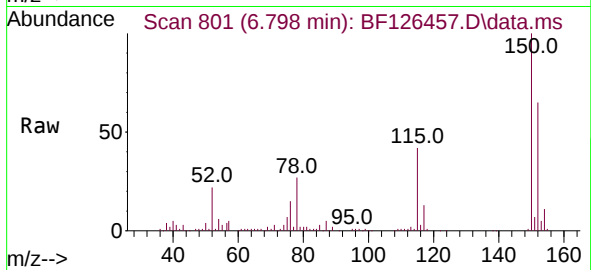




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF126457.D
 Acq: 3 Jan 2022 15:47

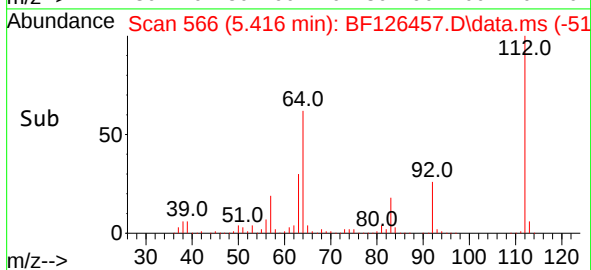
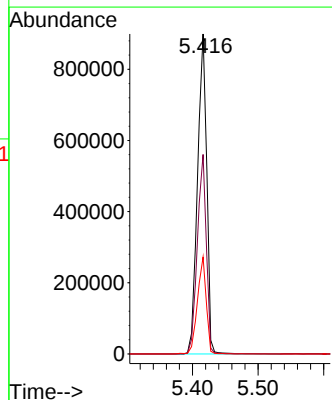
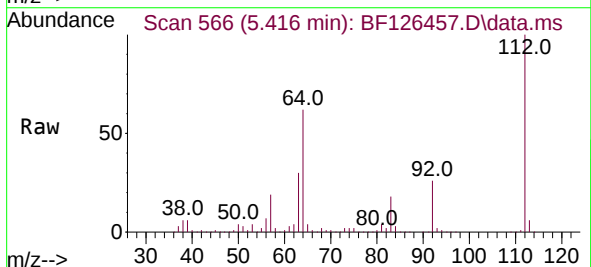
Instrument :
 BNA_F
 ClientSampleId :
 TP-2D

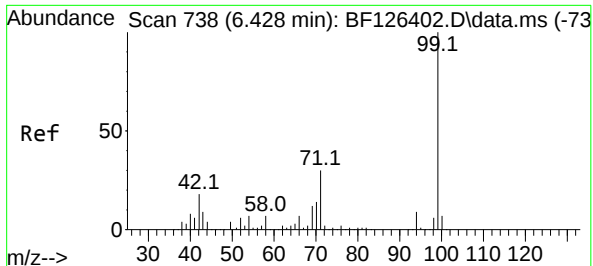
Tgt Ion:152 Resp: 112623
 Ion Ratio Lower Upper
 152 100
 150 153.5 128.1 192.1
 115 64.2 56.7 85.1



#5
 2-Fluorophenol
 Concen: 112.147 ng
 RT: 5.416 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF126457.D
 Acq: 3 Jan 2022 15:47

Tgt Ion:112 Resp: 879515
 Ion Ratio Lower Upper
 112 100
 64 62.3 49.5 74.3
 63 30.3 23.9 35.9

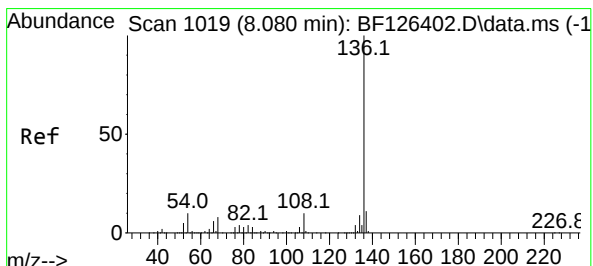
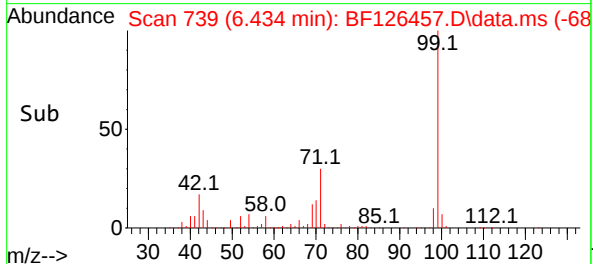
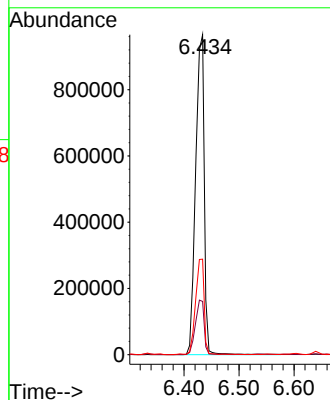
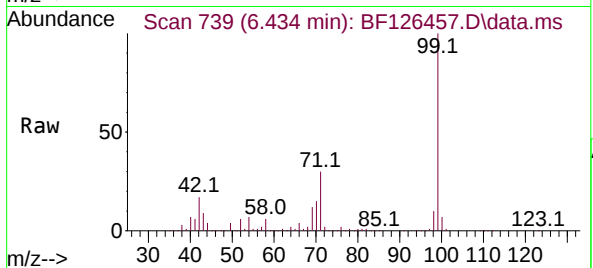




#7
Phenol-d6
Concen: 103.158 ng
RT: 6.434 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

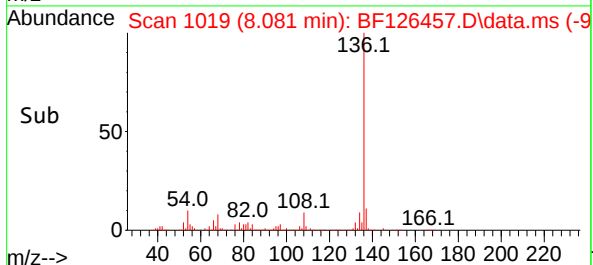
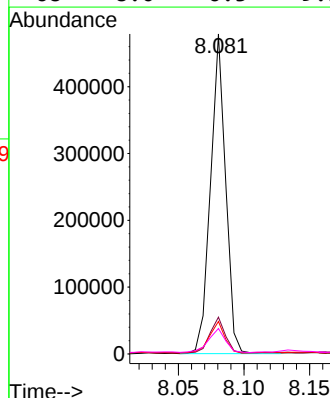
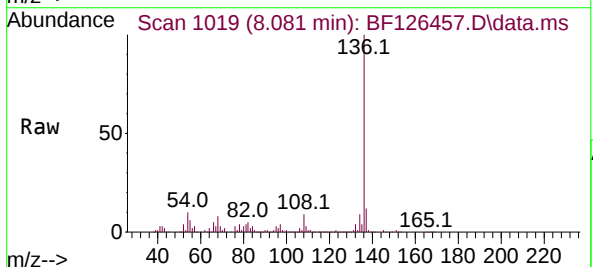
Instrument :
BNA_F
ClientSampleId :
TP-2D

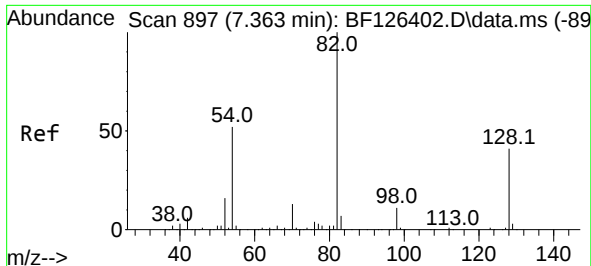
Tgt Ion: 99 Resp: 1047841
Ion Ratio Lower Upper
99 100
42 16.7 14.2 21.4
71 29.9 24.3 36.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Tgt Ion: 136 Resp: 384807
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 10.1 7.8 11.6
68 8.0 6.3 9.5

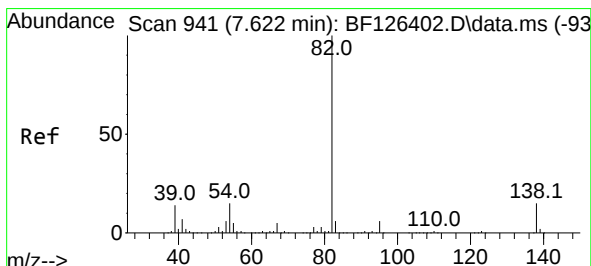
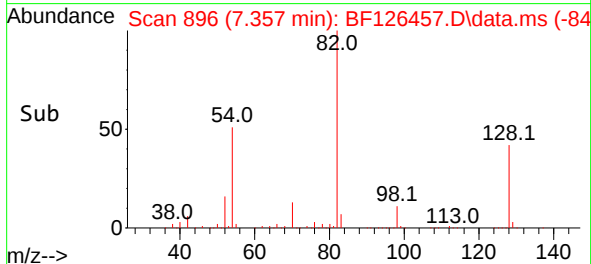
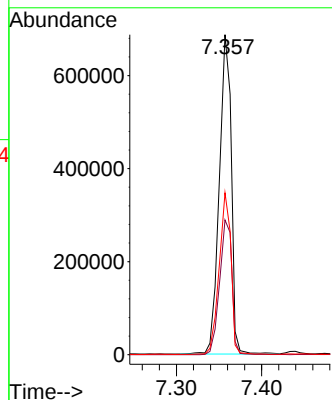
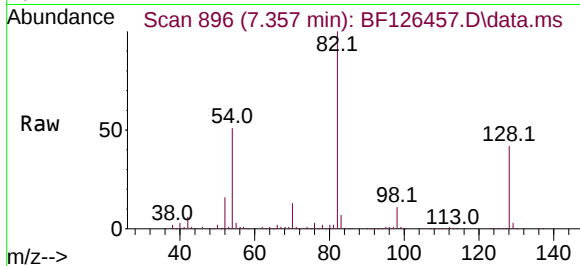




#23
Nitrobenzene-d5
Concen: 89.854 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

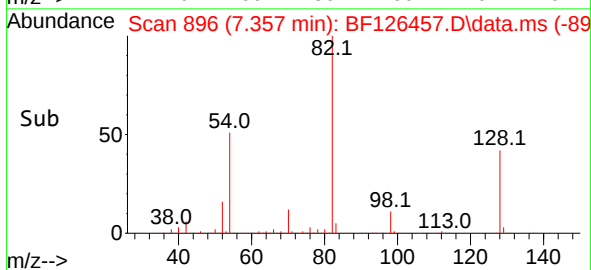
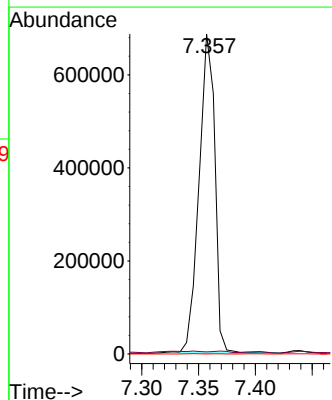
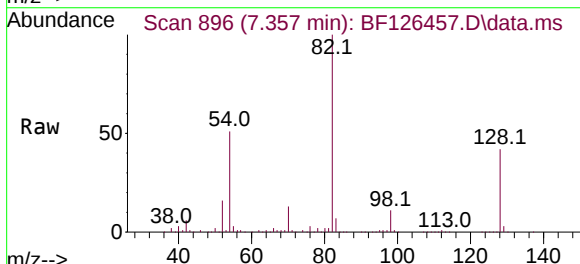
Instrument :
BNA_F
ClientSampleId :
TP-2D

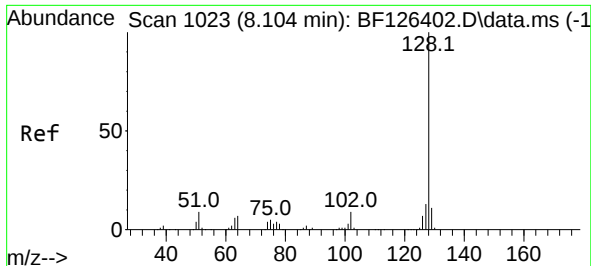
Tgt Ion: 82 Resp: 673401
Ion Ratio Lower Upper
82 100
128 42.1 32.7 49.1
54 50.6 41.7 62.5



#25
Isophorone
Concen: 49.590 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Tgt Ion: 82 Resp: 665299
Ion Ratio Lower Upper
82 100
95 0.7 5.0 7.4#
138 0.0 12.3 18.5#

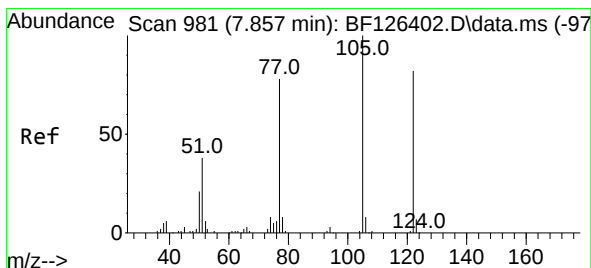
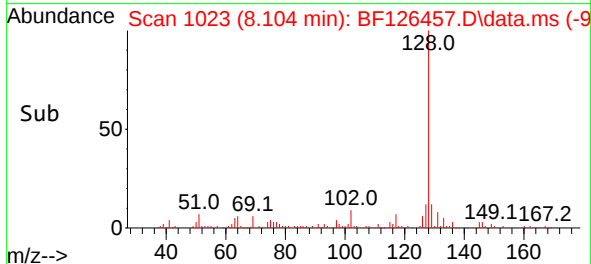
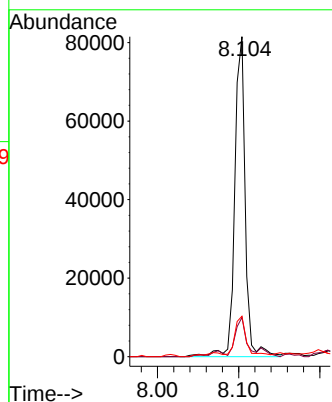
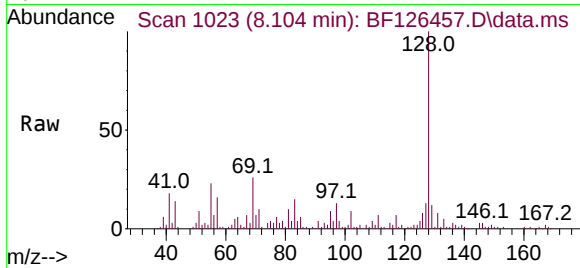




#31
Naphthalene
Concen: 4.029 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

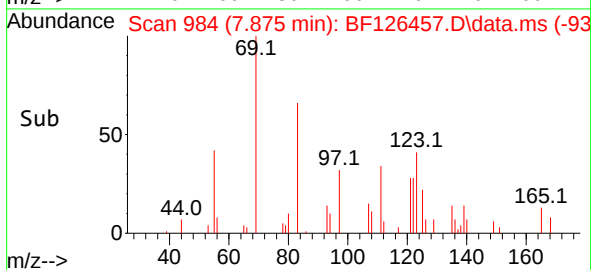
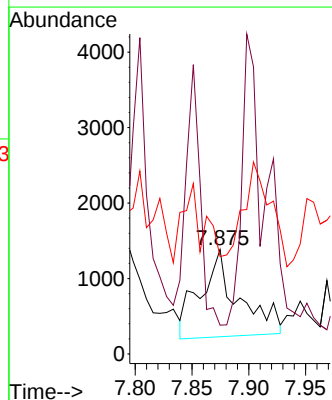
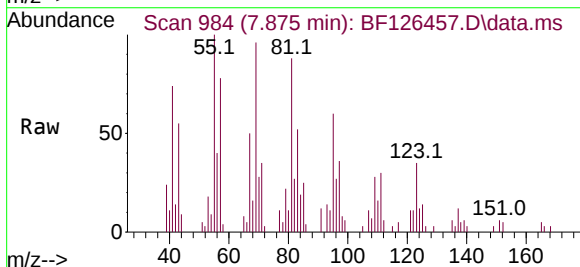
Instrument :
BNA_F
ClientSampleId :
TP-2D

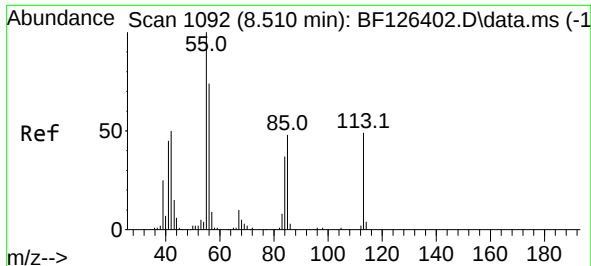
Tgt Ion:128 Resp: 73172
Ion Ratio Lower Upper
128 100
129 12.3 8.6 13.0
127 12.6 10.3 15.5



#32
Benzoic acid
Concen: 7.688 ng
RT: 7.875 min Scan# 984
Delta R.T. 0.018 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Tgt Ion:122 Resp: 2708
Ion Ratio Lower Upper
122 100
105 27.7 101.0 141.0#
77 93.2 74.5 114.5

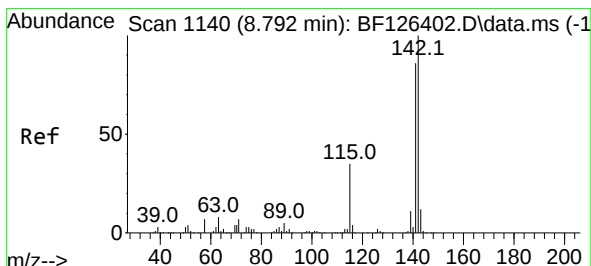
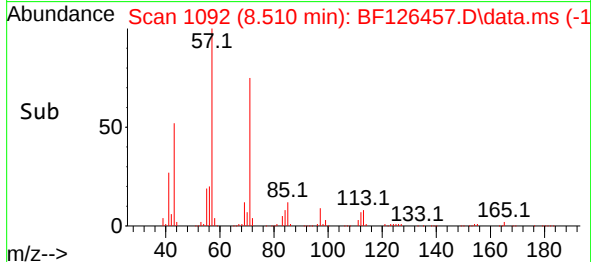
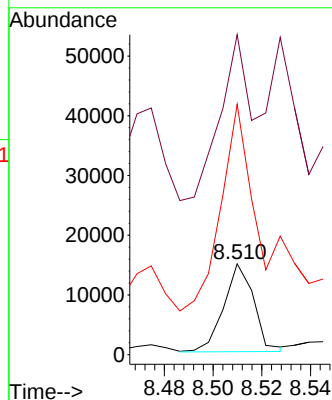
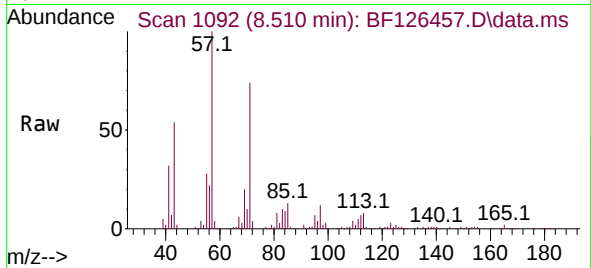




#35
 Caprolactam
 Concen: 10.457 ng
 RT: 8.510 min Scan# 1092
 Delta R.T. 0.000 min
 Lab File: BF126457.D
 Acq: 3 Jan 2022 15:47

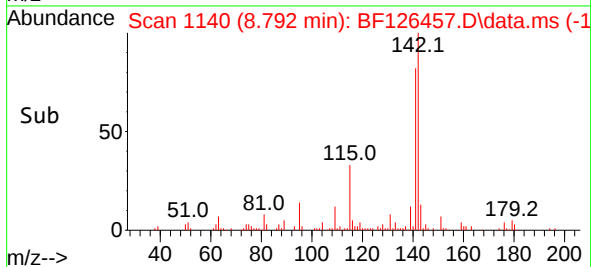
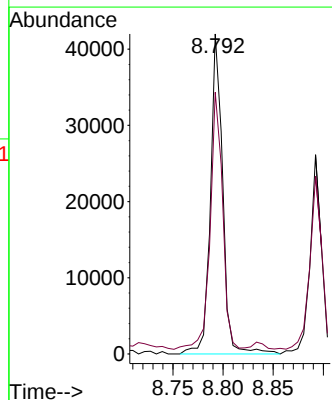
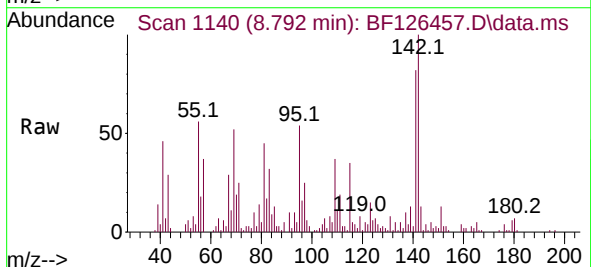
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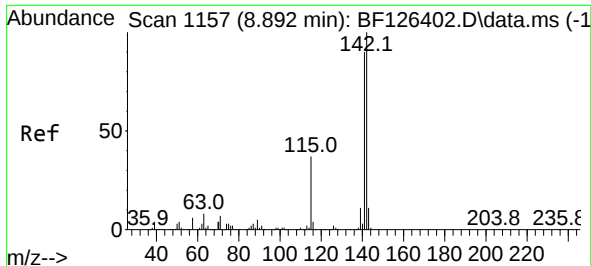
Tgt Ion:113 Resp: 12627
 Ion Ratio Lower Upper
 113 100
 55 352.2 183.9 223.9#
 56 275.6 129.9 169.9#



#37
 2-Methylnaphthalene
 Concen: 3.358 ng
 RT: 8.792 min Scan# 1140
 Delta R.T. 0.000 min
 Lab File: BF126457.D
 Acq: 3 Jan 2022 15:47

Tgt Ion:142 Resp: 35977
 Ion Ratio Lower Upper
 142 100
 141 81.8 68.6 102.8

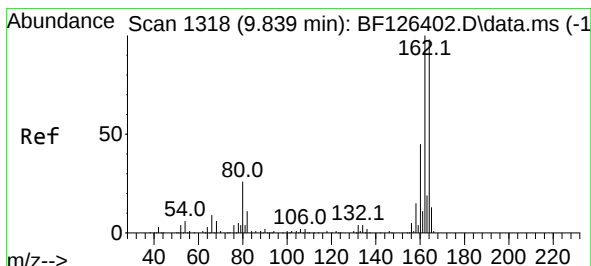
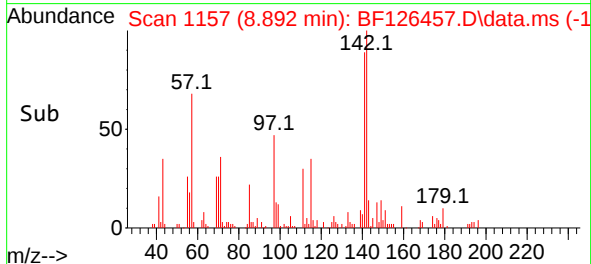
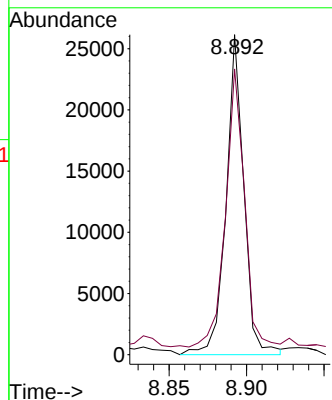
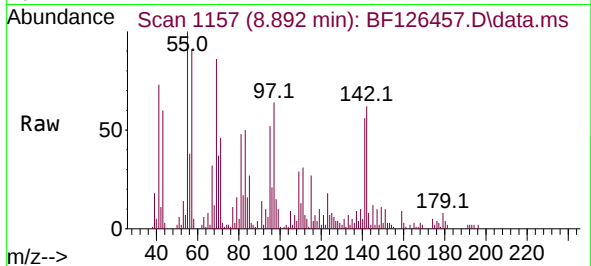




#38
1-Methylnaphthalene
Concen: 2.016 ng
RT: 8.892 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

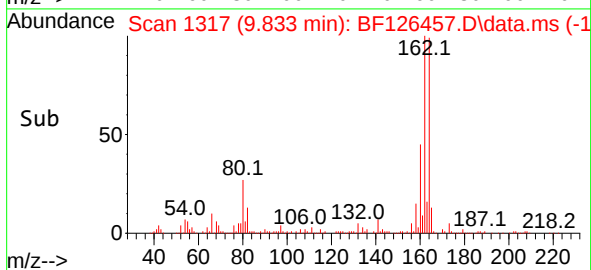
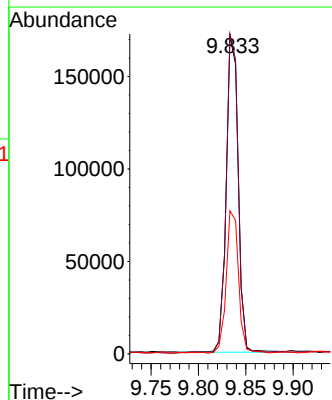
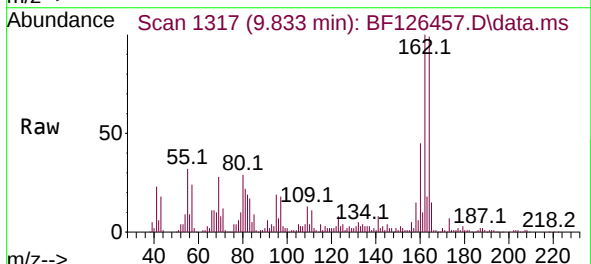
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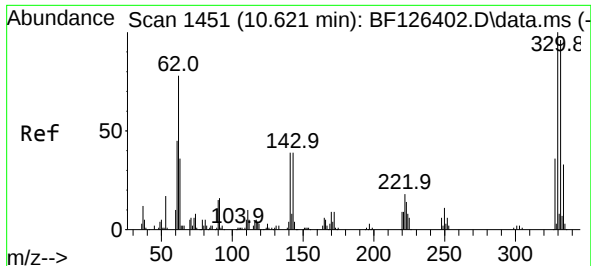
Tgt Ion:142 Resp: 20885
Ion Ratio Lower Upper
142 100
141 89.3 72.1 108.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Tgt Ion:164 Resp: 150787
Ion Ratio Lower Upper
164 100
162 100.7 81.4 122.0
160 45.1 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 143.956 ng

RT: 10.627 min Scan# 1451

Delta R.T. 0.006 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

Instrument :

BNA_F

ClientSampleId :

TP-2D

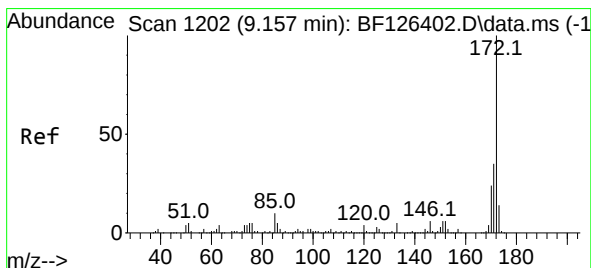
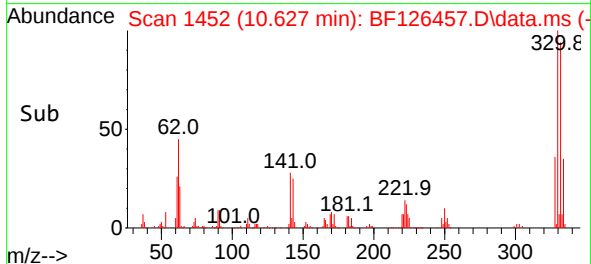
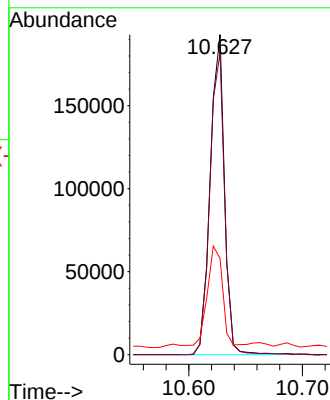
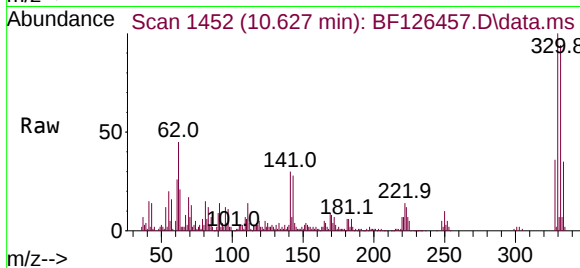
Tgt Ion:330 Resp: 167738

Ion Ratio Lower Upper

330 100

332 97.0 76.0 114.0

141 34.8 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 93.861 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.000 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

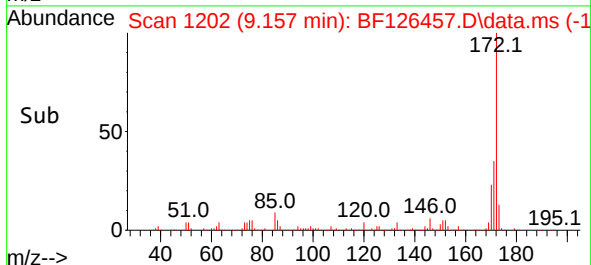
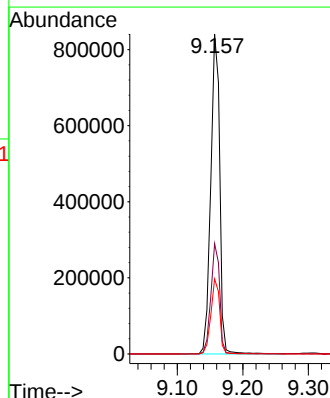
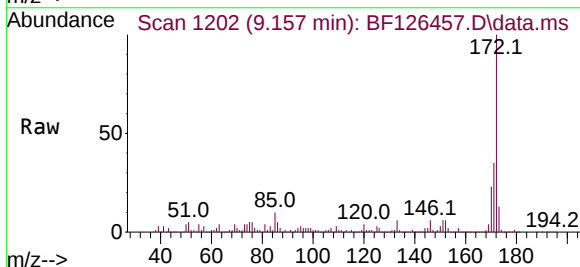
Tgt Ion:172 Resp: 804275

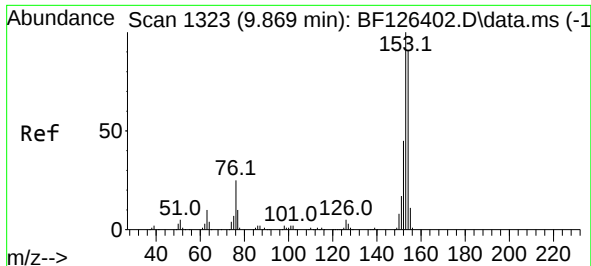
Ion Ratio Lower Upper

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171 34.5 28.3 42.5

170 23.4 19.0 28.6

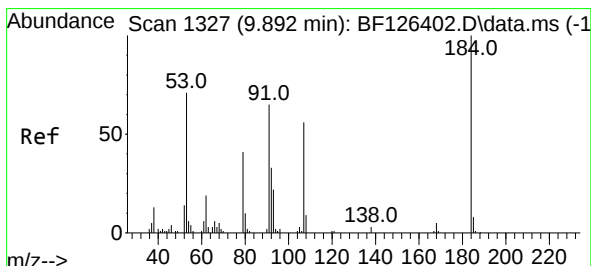
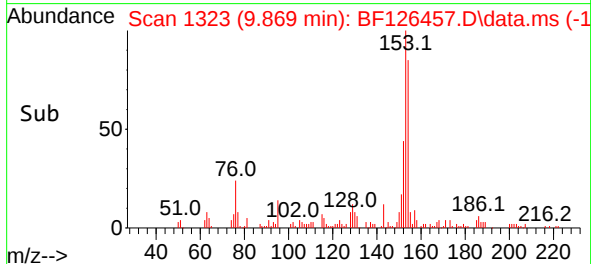
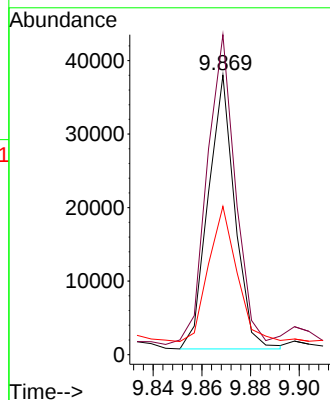
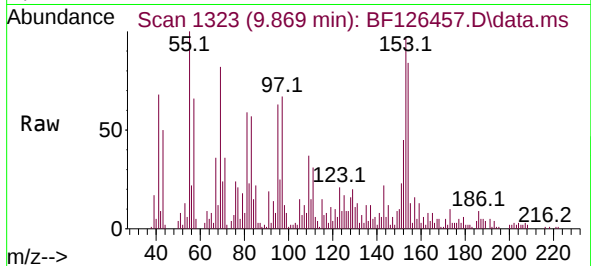




#52
Acenaphthene
Concen: 3.400 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

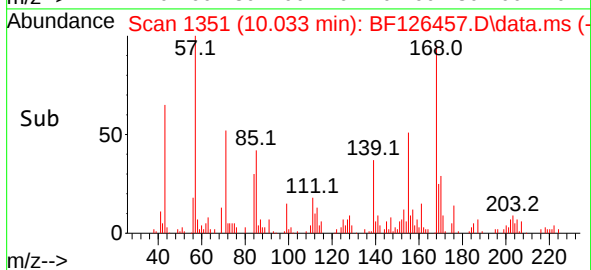
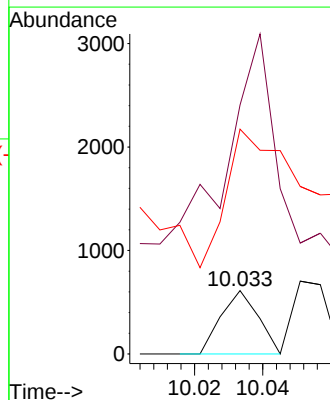
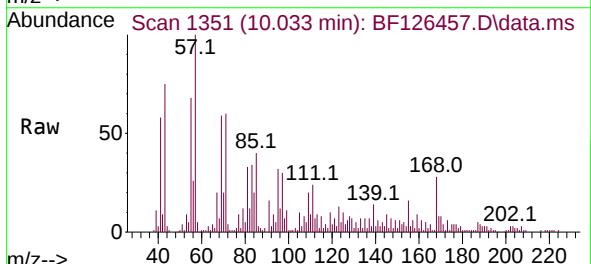
Instrument :
BNA_F
ClientSampleId :
TP-2D

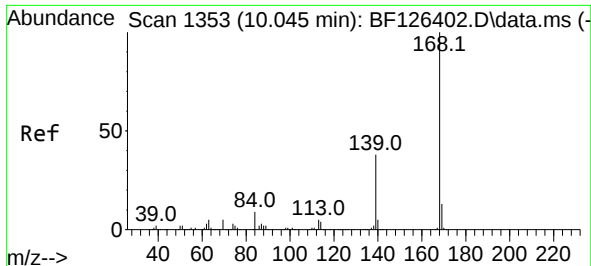
Tgt Ion:154 Resp: 28318
Ion Ratio Lower Upper
154 100
153 114.5 87.8 131.6
152 53.1 39.4 59.2



#54
2,4-Dinitrophenol
Concen: 4.425 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.141 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Tgt Ion:184 Resp: 463
Ion Ratio Lower Upper
184 100
63 393.3 70.4 105.6#
154 355.1 49.7 74.5#

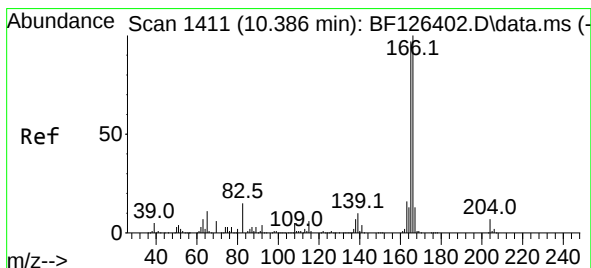
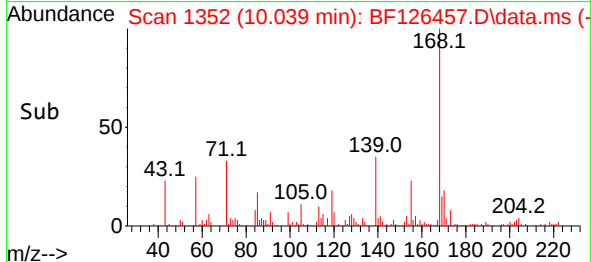
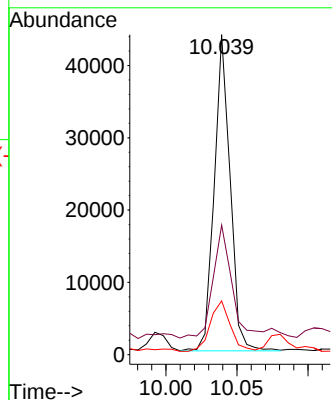
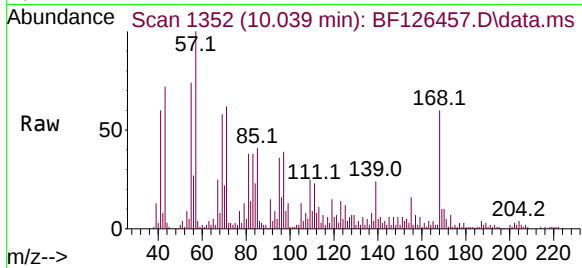




#55
Dibenzenofuran
Concen: 3.033 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

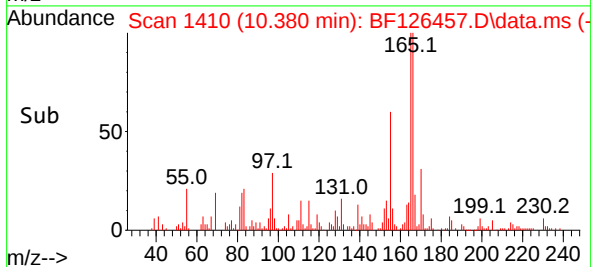
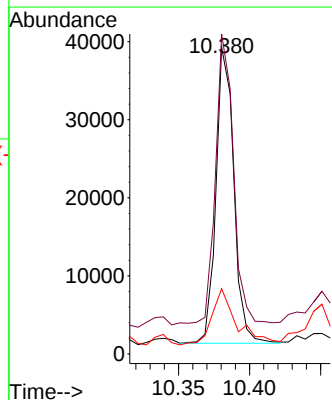
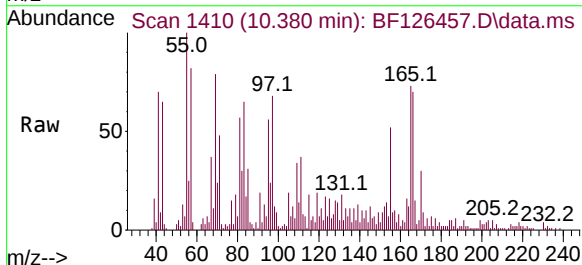
Instrument :
BNA_F
ClientSampleId :
TP-2D

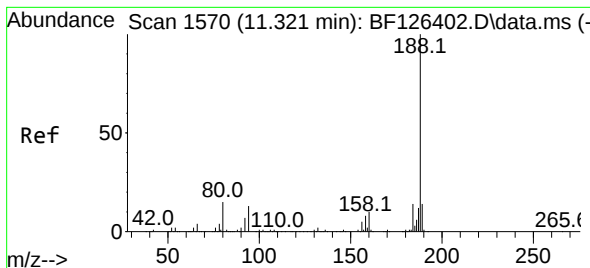
Tgt Ion:168 Resp: 34149
Ion Ratio Lower Upper
168 100
139 40.5 30.6 46.0
169 16.8 10.0 15.0#



#58
Fluorene
Concen: 4.151 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Tgt Ion:166 Resp: 33048
Ion Ratio Lower Upper
166 100
165 104.4 77.7 116.5
167 21.3 10.7 16.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.321 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

Instrument :

BNA_F

ClientSampleId :

TP-2D

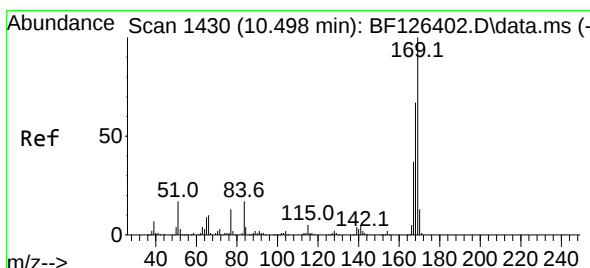
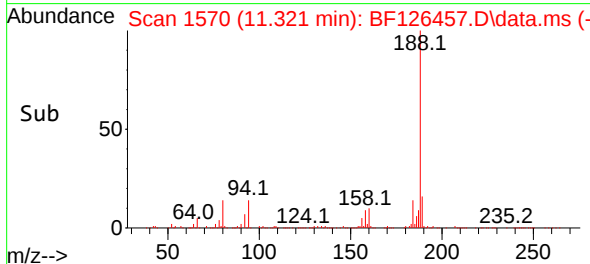
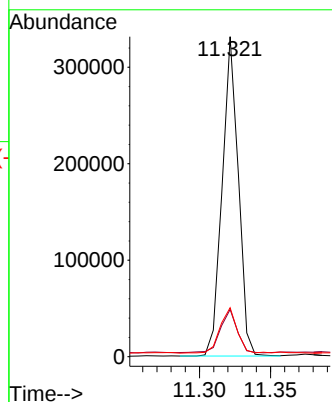
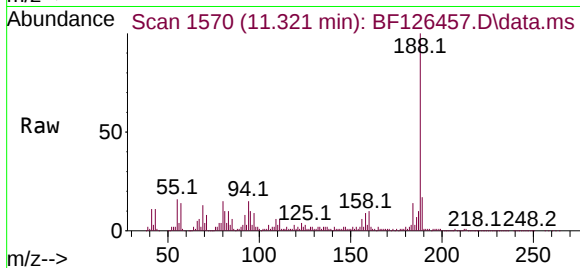
Tgt Ion:188 Resp: 261889

Ion Ratio Lower Upper

188 100

94 14.8 10.1 15.1

80 15.3 11.8 17.6



#66

n-Nitrosodiphenylamine

Concen: 2.580 ng

RT: 10.498 min Scan# 1430

Delta R.T. 0.000 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

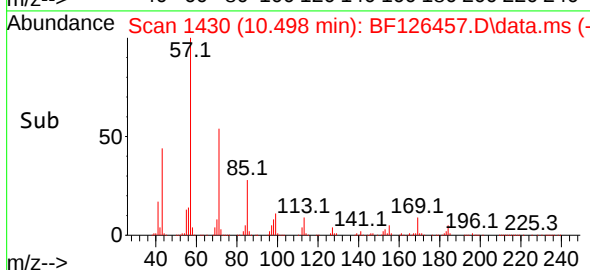
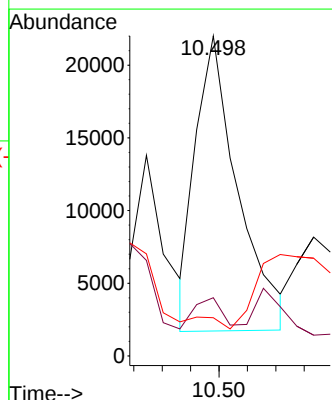
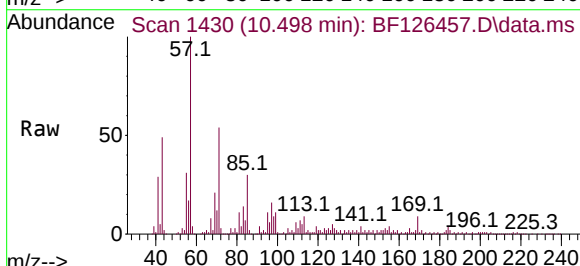
Tgt Ion:169 Resp: 20966

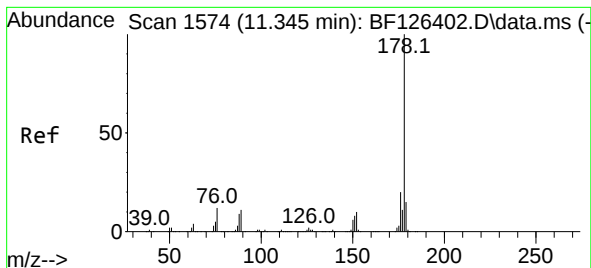
Ion Ratio Lower Upper

169 100

168 18.2 53.4 80.0#

167 12.0 29.4 44.0#





#71

Phenanthrene

Concen: 8.717 ng

RT: 11.345 min Scan# 1574

Delta R.T. 0.000 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

Instrument :

BNA_F

ClientSampleId :

TP-2D

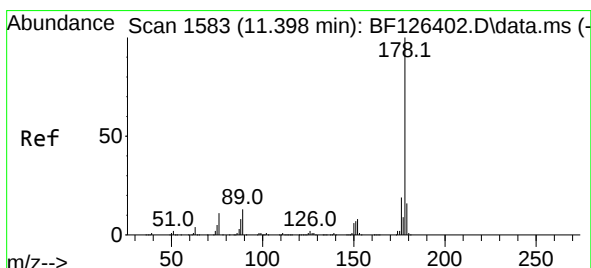
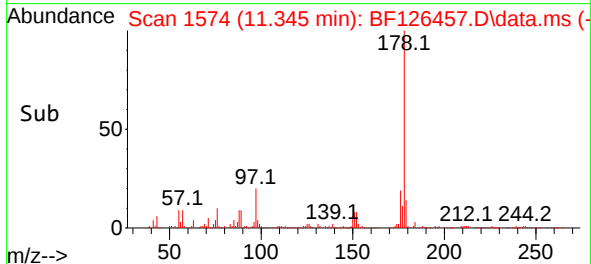
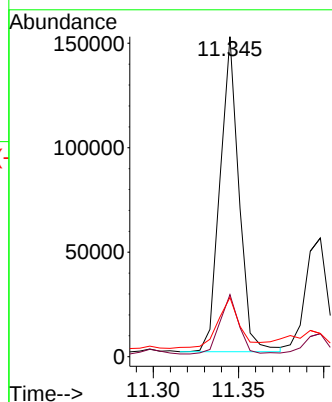
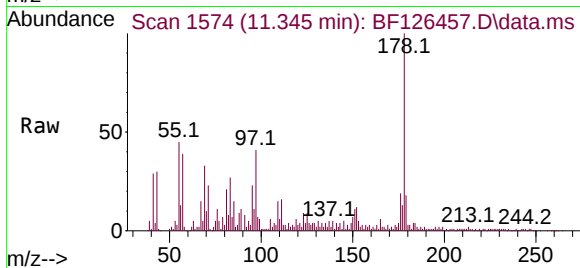
Tgt Ion:178 Resp: 116716

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

179 18.5 12.3 18.5#



#72

Anthracene

Concen: 8.712 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.053 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

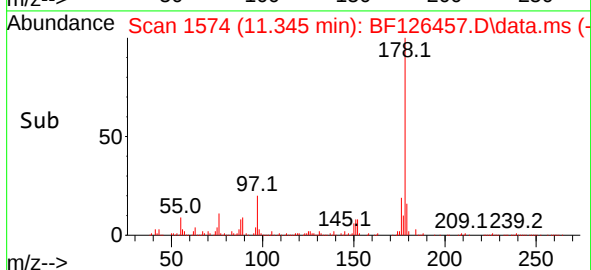
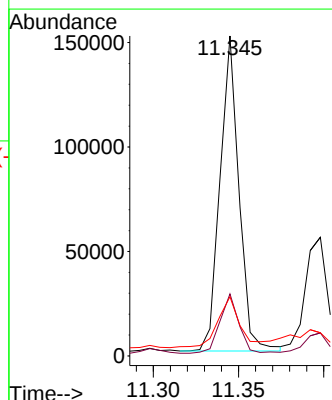
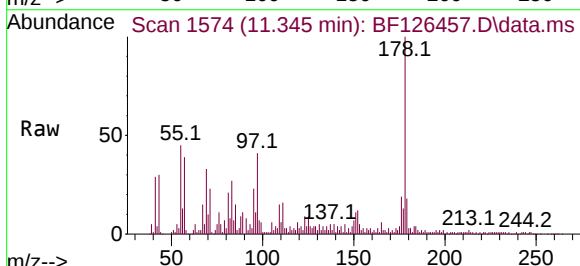
Tgt Ion:178 Resp: 116716

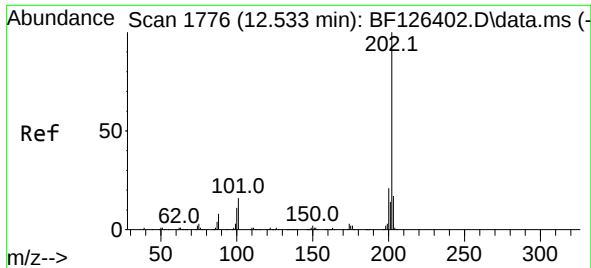
Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.6

179 18.5 12.5 18.7

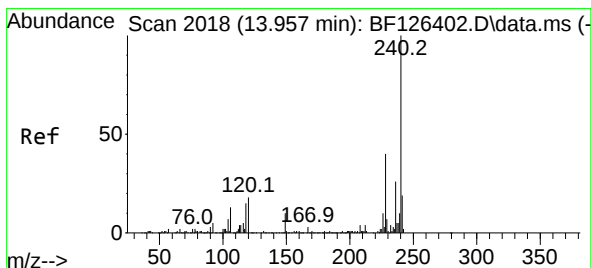
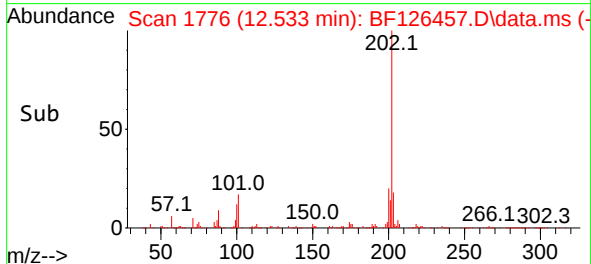
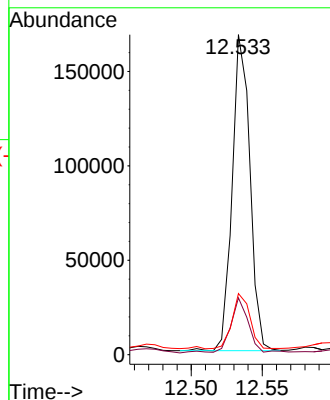
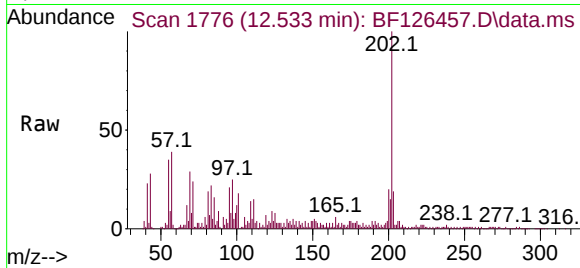




#75
Fluoranthene
Concen: 11.931 ng
RT: 12.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

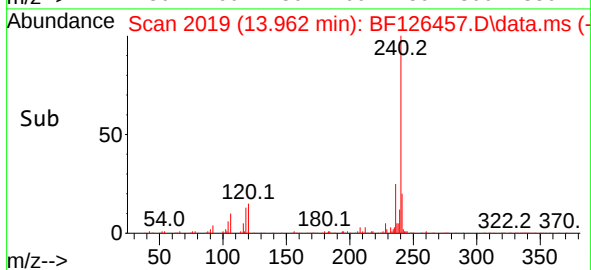
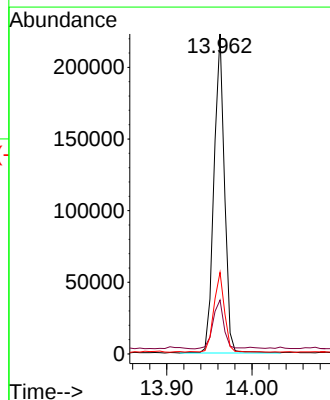
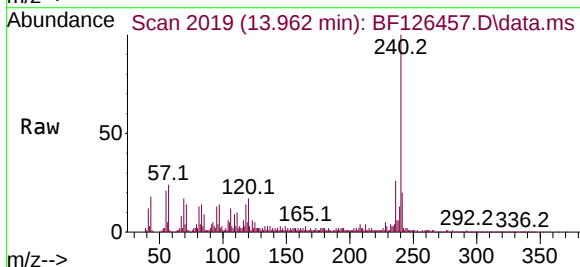
Instrument :
BNA_F
ClientSampleId :
TP-2D

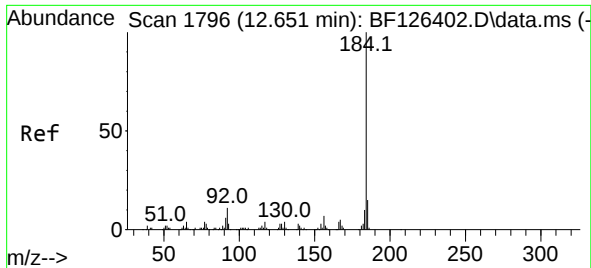
Tgt Ion:202 Resp: 145797
Ion Ratio Lower Upper
202 100
101 17.8 0.0 35.7
203 19.1 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Tgt Ion:240 Resp: 190804
Ion Ratio Lower Upper
240 100
120 16.9 14.4 21.6
236 25.5 20.5 30.7

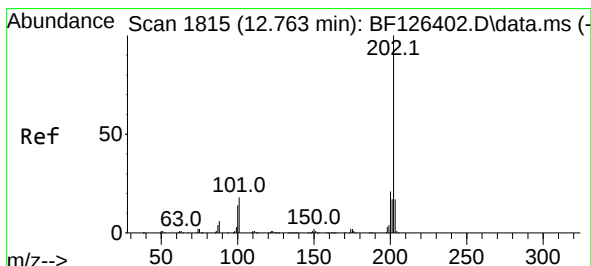
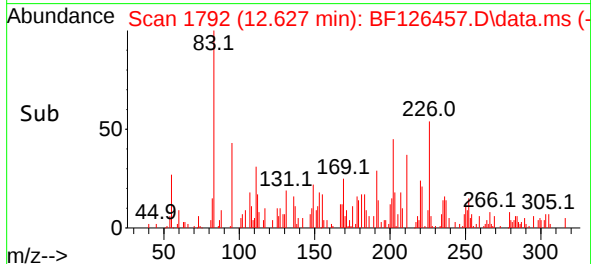
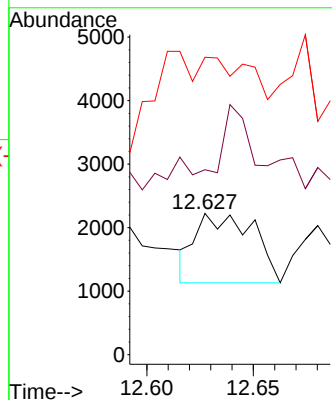
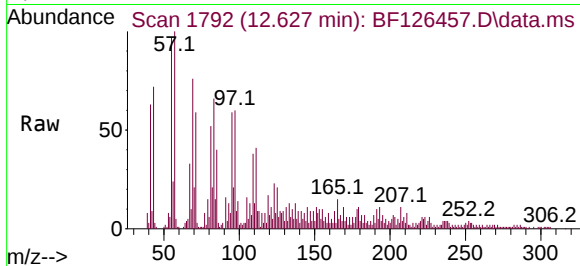




#77
Benzidine
Concen: Below Cal
RT: 12.627 min Scan# 1796
Delta R.T. -0.024 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

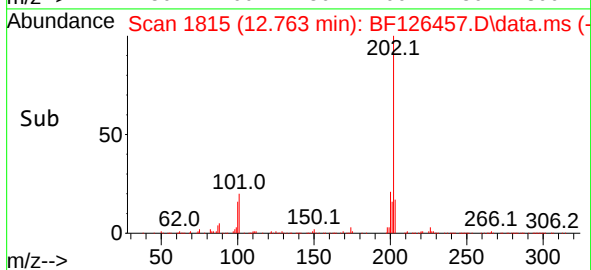
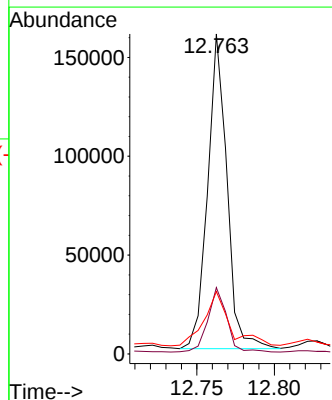
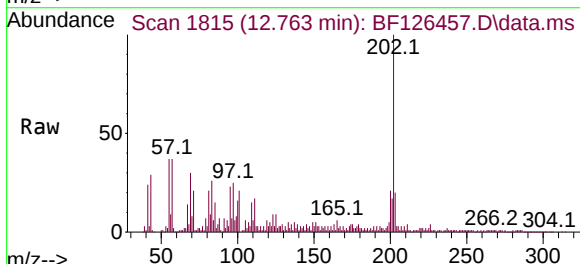
Instrument :
BNA_F
ClientSampleId :
TP-2D

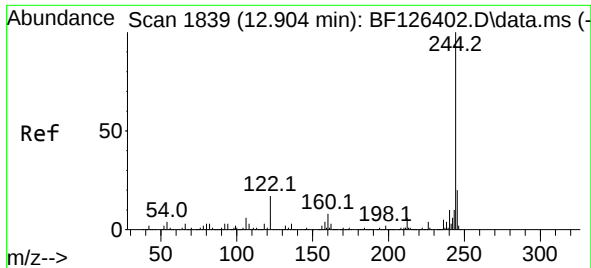
Tgt Ion:184 Resp: 2047
Ion Ratio Lower Upper
184 100
185 130.9 11.8 17.8#
183 210.6 8.2 12.2#



#78
Pyrene
Concen: 8.530 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Tgt Ion:202 Resp: 137544
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 19.5 13.8 20.8

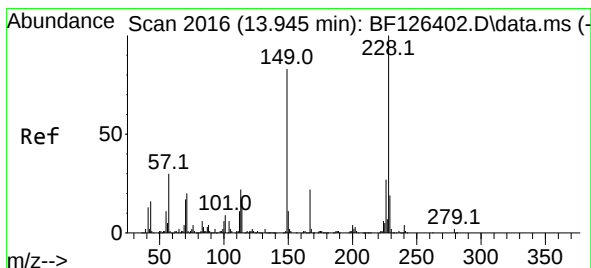
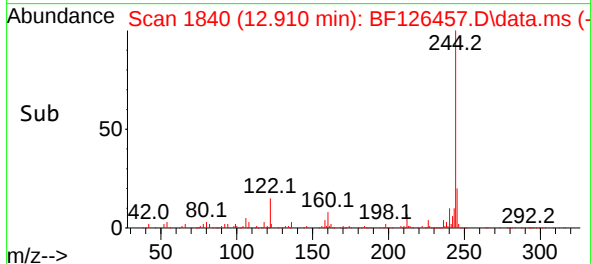
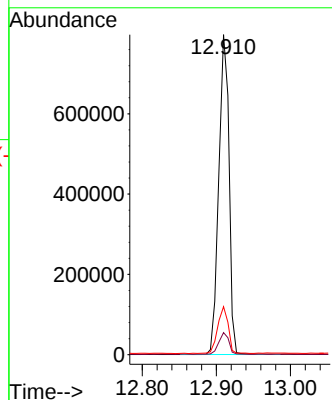
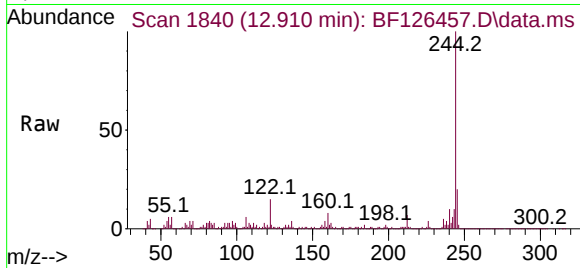




#79
 Terphenyl-d14
 Concen: 77.885 ng
 RT: 12.910 min Scan# 1839
 Delta R.T. 0.006 min
 Lab File: BF126457.D
 Acq: 3 Jan 2022 15:47

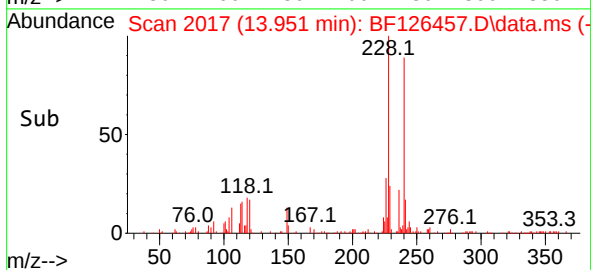
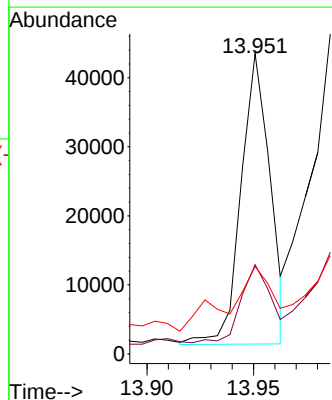
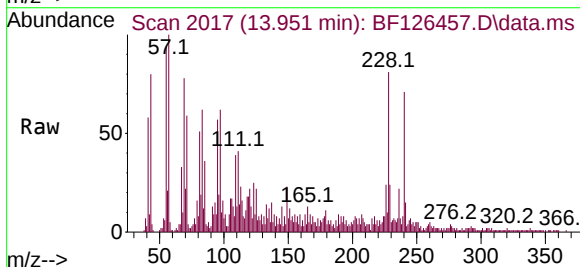
Instrument :
 BNA_F
 ClientSampleId :
 TP-2D

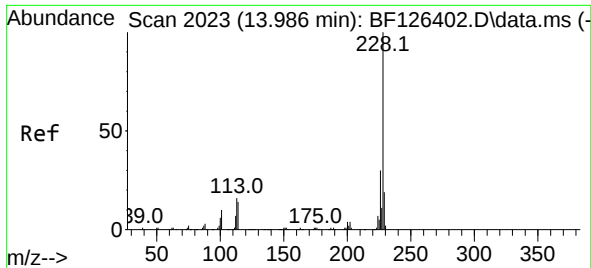
Tgt Ion:244 Resp: 764861
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.0 7.4
 122 15.0 13.3 19.9



#81
 Benzo(a)anthracene
 Concen: 3.659 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF126457.D
 Acq: 3 Jan 2022 15:47

Tgt Ion:228 Resp: 40153
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.4 32.0
 229 29.1 15.4 23.2#





#83

Chrysene

Concen: 4.586 ng

RT: 13.986 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

Instrument :

BNA_F

ClientSampleId :

TP-2D

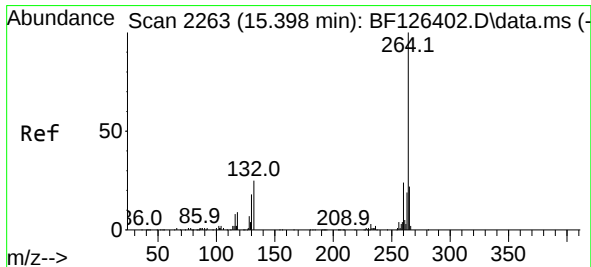
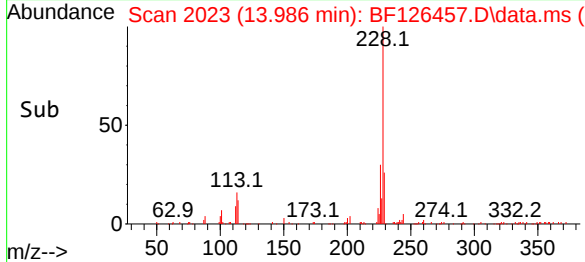
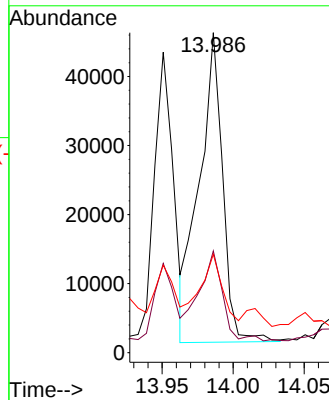
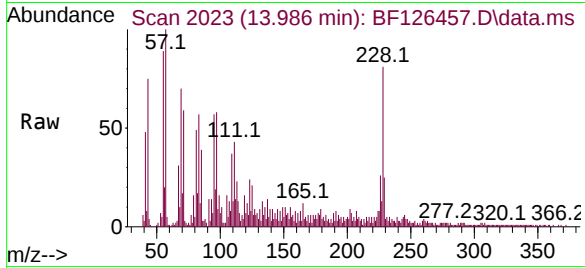
Tgt Ion:228 Resp: 51613

Ion Ratio Lower Upper

228 100

226 31.8 23.7 35.5

229 30.7 15.5 23.3#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. 0.006 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

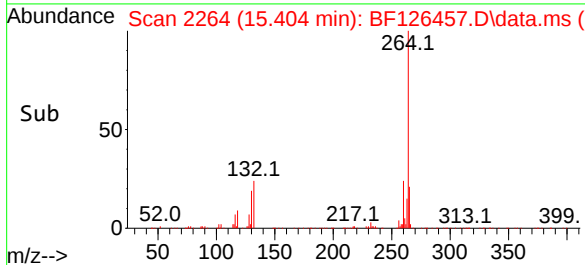
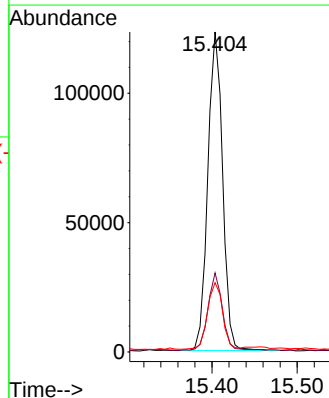
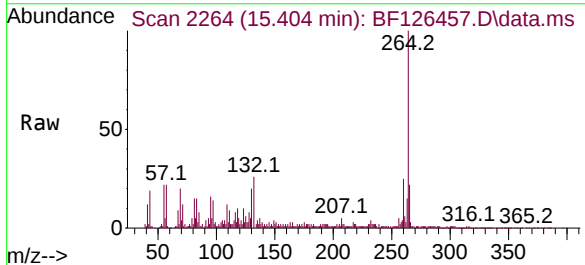
Tgt Ion:264 Resp: 148171

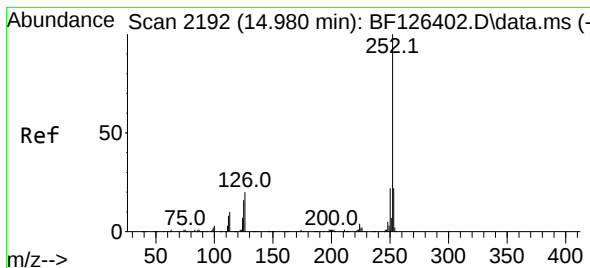
Ion Ratio Lower Upper

264 100

260 24.7 19.2 28.8

265 21.6 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 6.313 ng

RT: 14.986 min Scan# 2193

Delta R.T. 0.006 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

Instrument :

BNA_F

ClientSampleId :

TP-2D

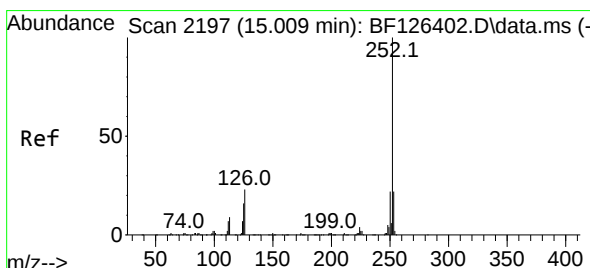
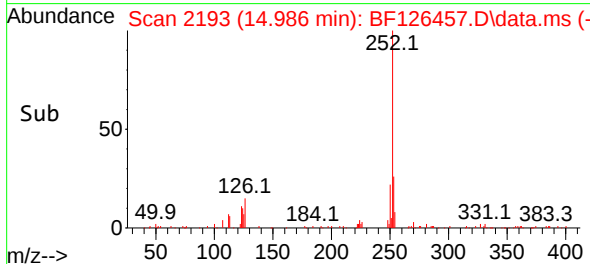
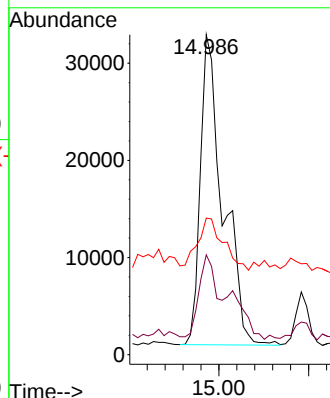
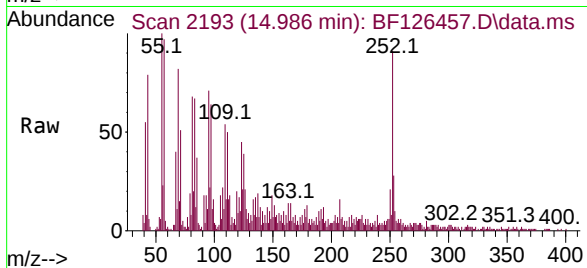
Tgt Ion:252 Resp: 55724

Ion Ratio Lower Upper

252 100

253 31.2 17.8 26.8#

125 42.7 12.4 18.6#



#89

Benzo(k)fluoranthene

Concen: 6.517 ng

RT: 14.986 min Scan# 2193

Delta R.T. -0.023 min

Lab File: BF126457.D

Acq: 3 Jan 2022 15:47

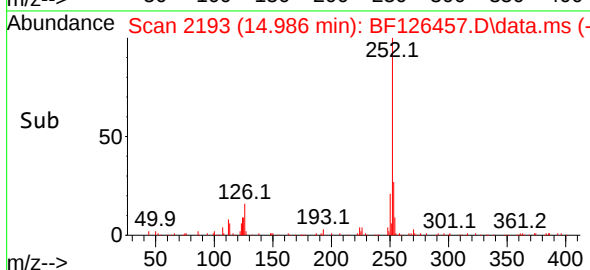
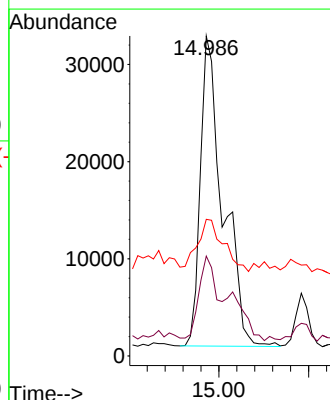
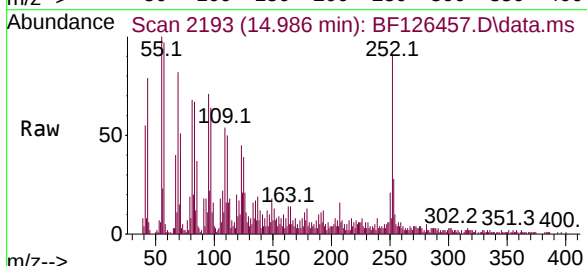
Tgt Ion:252 Resp: 55724

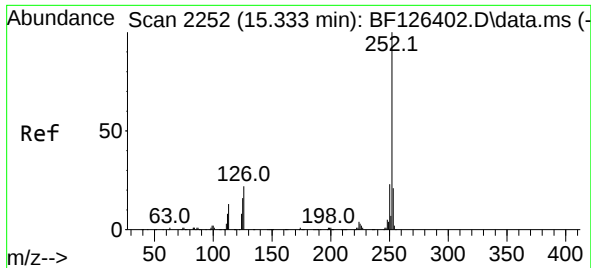
Ion Ratio Lower Upper

252 100

253 31.2 17.5 26.3#

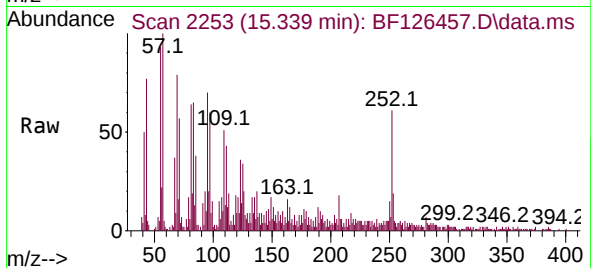
125 42.7 11.8 17.6#





#90
Benzo(a)pyrene
Concen: 2.962 ng
RT: 15.339 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126457.D
Acq: 3 Jan 2022 15:47

Instrument :
BNA_F
ClientSampleId :
TP-2D



Tgt Ion:252 Resp: 21924
Ion Ratio Lower Upper
252 100
253 30.7 17.1 25.7#
125 55.2 13.0 19.6#

