

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
 Data File : BF126421.D
 Acq On : 30 Dec 2021 15:52
 Operator : JU/CG
 Sample : M5210-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT3990

Quant Time: Dec 30 16:22:57 2021
 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)

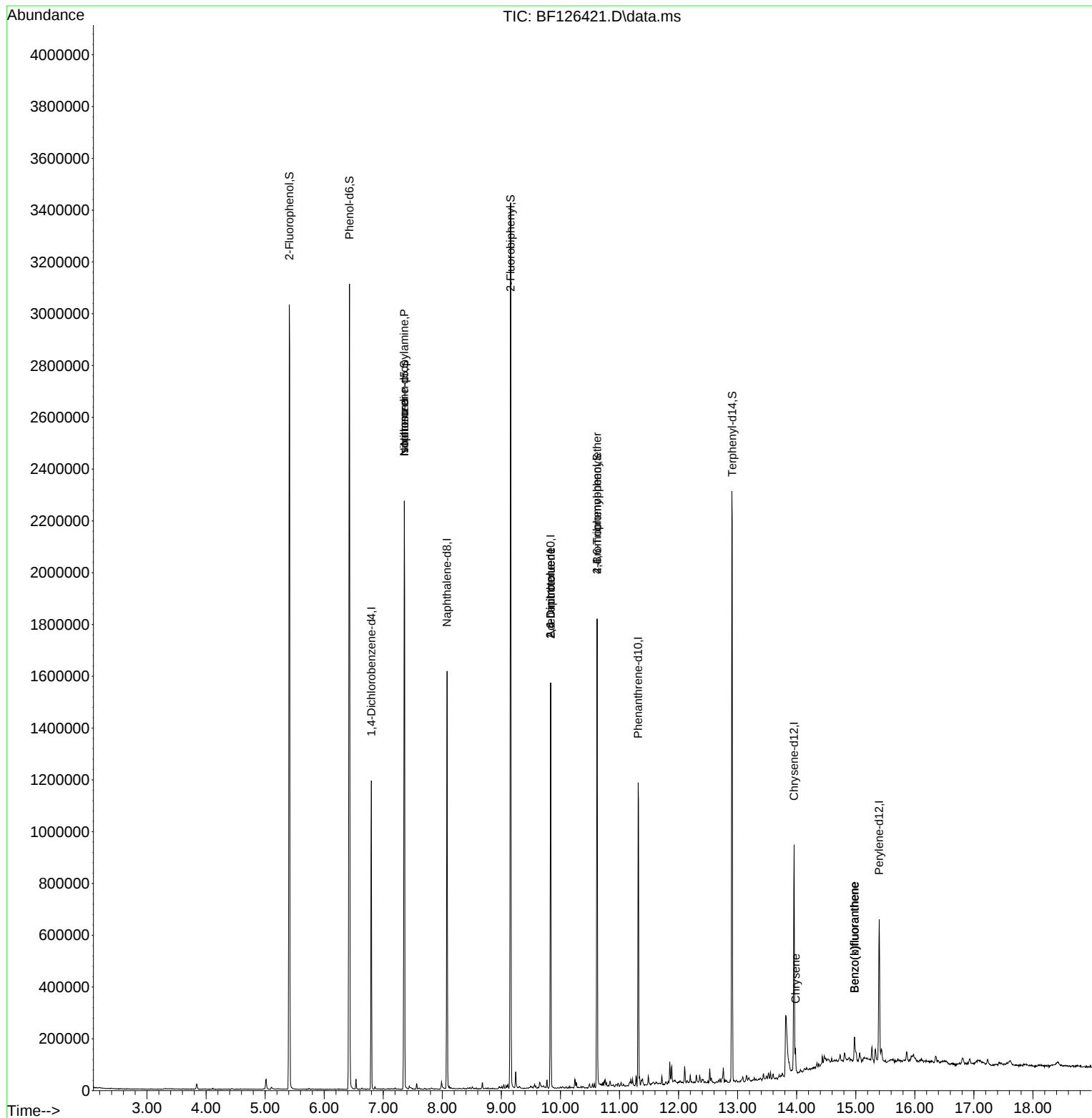
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	156883	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	660320	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	282845	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	410599	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	262263	20.000	ng	0.00
86) Perylene-d12	15.398	264	213965	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	956908	87.593	ng	0.00
7) Phenol-d6	6.428	99	1248693	88.250	ng	0.00
23) Nitrobenzene-d5	7.357	82	811643	63.113	ng	0.00
42) 2,4,6-Tribromophenol	10.622	330	193568	88.562	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1020071	63.464	ng	0.00
79) Terphenyl-d14	12.910	244	777274	57.583	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	103061	12.764	ng	# 80
25) Isophorone	7.357	82	807530	35.077	ng	# 69
51) 2,6-Dinitrotoluene	9.833	165	35709	9.364	ng	# 21
57) 2,4-Dinitrotoluene	9.833	165	35709	7.258	ng	# 15
67) 4-Bromophenyl-phenylether	10.622	248	10938	3.001	ng	# 1
77) Benzidine	12.904	184	10209	Below Cal		# 95
83) Chrysene	13.980	228	31591	2.042	ng	97
88) Benzo(b)fluoranthene	14.980	252	54828	4.302	ng	# 94
89) Benzo(k)fluoranthene	14.980	252	54828	4.440	ng	# 93

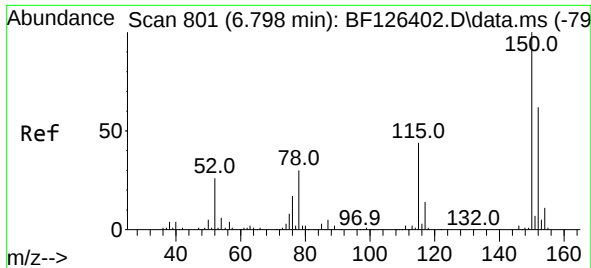
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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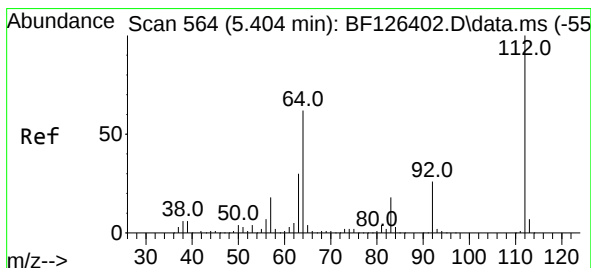
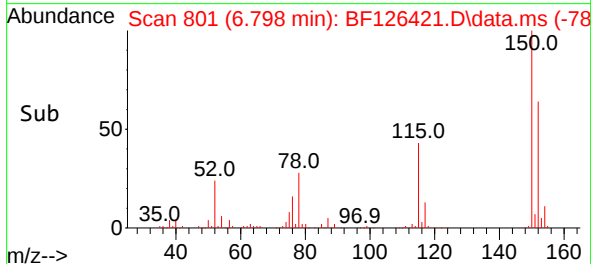
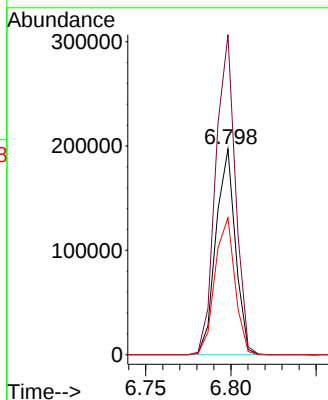
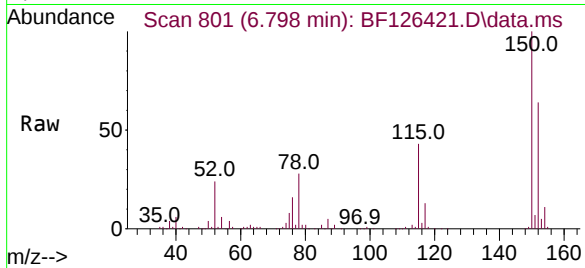




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF126421.D
 Acq: 30 Dec 2021 15:52

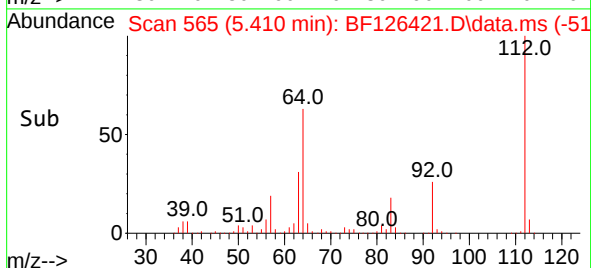
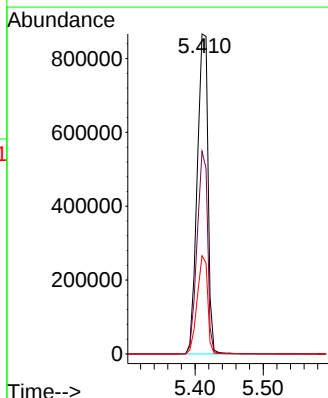
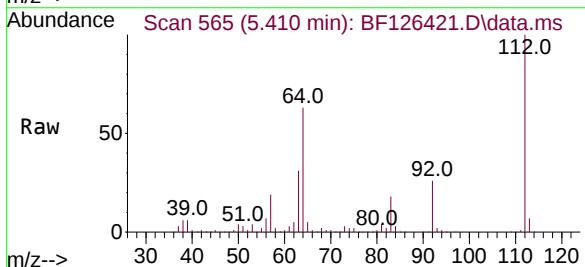
Instrument :
 BNA_F
 ClientSampleId :
 RT3990

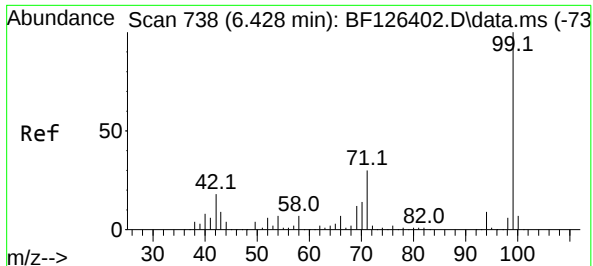
Tgt Ion:152 Resp: 156883
 Ion Ratio Lower Upper
 152 100
 150 155.6 128.1 192.1
 115 66.6 56.7 85.1



#5
 2-Fluorophenol
 Concen: 87.593 ng
 RT: 5.410 min Scan# 565
 Delta R.T. 0.006 min
 Lab File: BF126421.D
 Acq: 30 Dec 2021 15:52

Tgt Ion:112 Resp: 956908
 Ion Ratio Lower Upper
 112 100
 64 63.3 49.5 74.3
 63 30.7 23.9 35.9





#7

Phenol-d6

Concen: 88.250 ng

RT: 6.428 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF126421.D

Acq: 30 Dec 2021 15:52

Instrument :

BNA_F

ClientSampleId :

RT3990

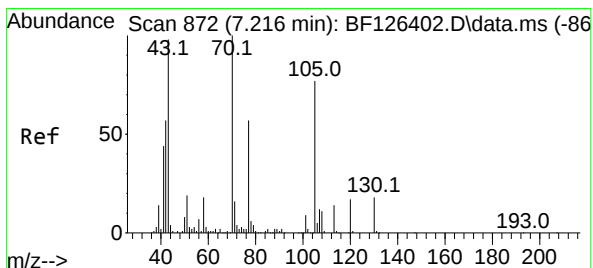
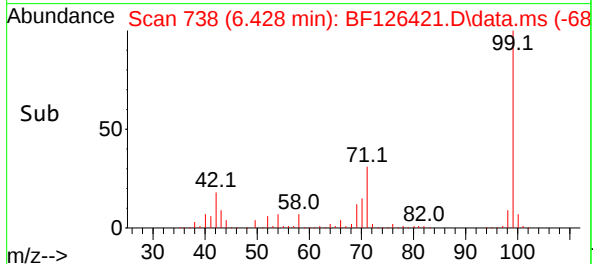
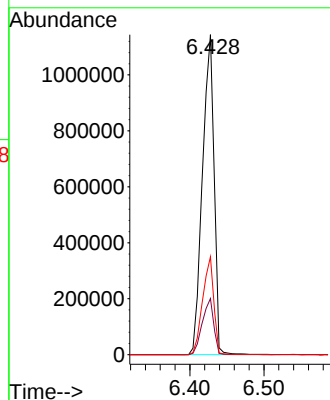
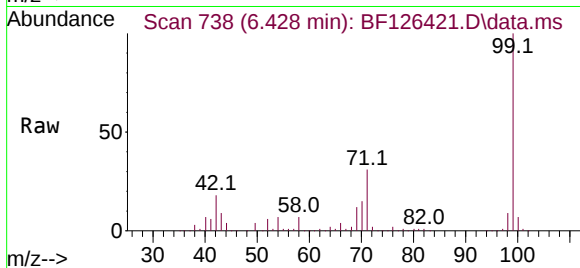
Tgt Ion: 99 Resp: 1248693

Ion Ratio Lower Upper

99 100

42 17.6 14.2 21.4

71 30.6 24.3 36.5



#19

n-Nitroso-di-n-propylamine

Concen: 12.764 ng

RT: 7.357 min Scan# 896

Delta R.T. 0.141 min

Lab File: BF126421.D

Acq: 30 Dec 2021 15:52

Tgt Ion: 70 Resp: 103061

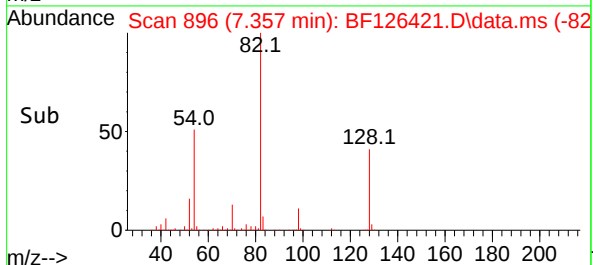
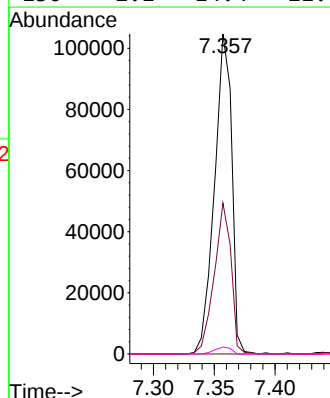
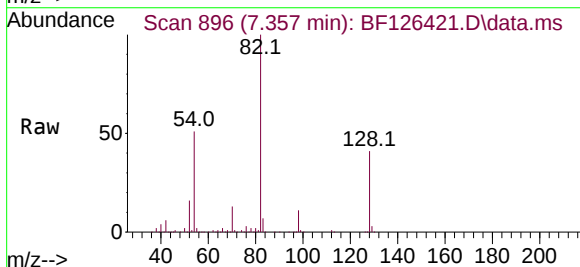
Ion Ratio Lower Upper

70 100

42 47.2 45.8 68.8

101 0.0 6.9 10.3#

130 2.1 14.4 21.6#

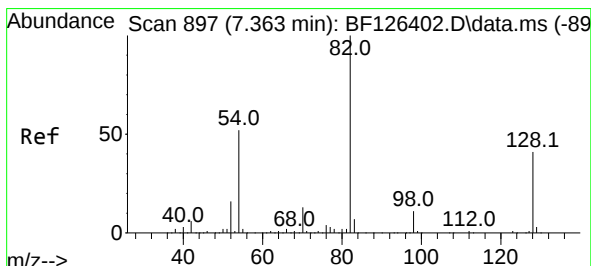
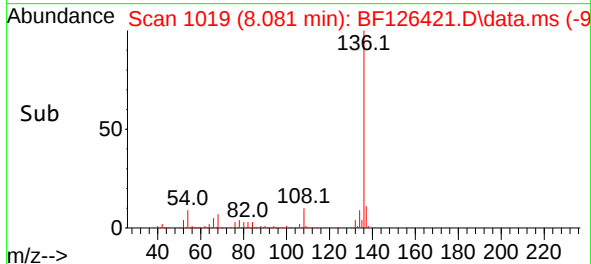
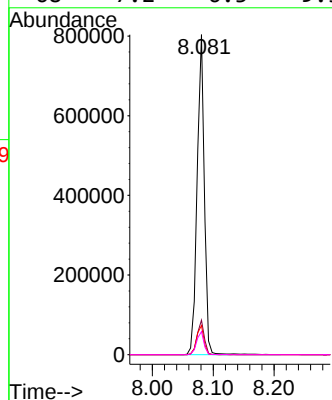
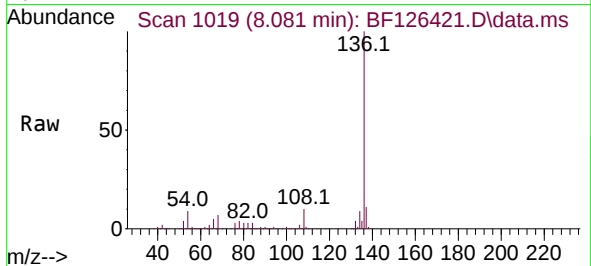




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126421.D
Acq: 30 Dec 2021 15:52

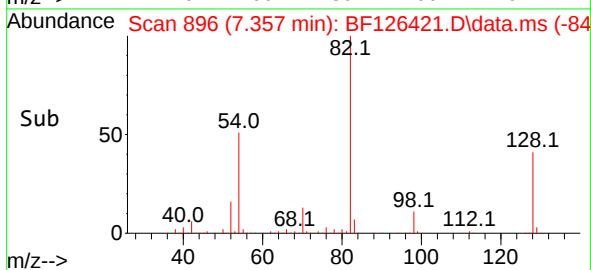
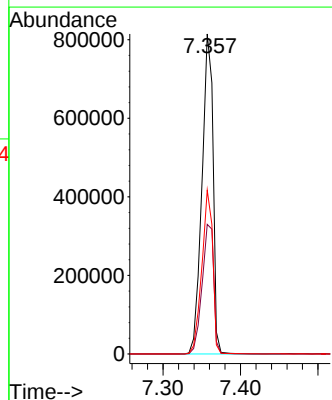
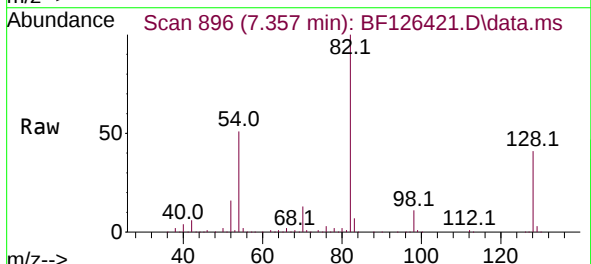
Instrument :
BNA_F
ClientSampleId :
RT3990

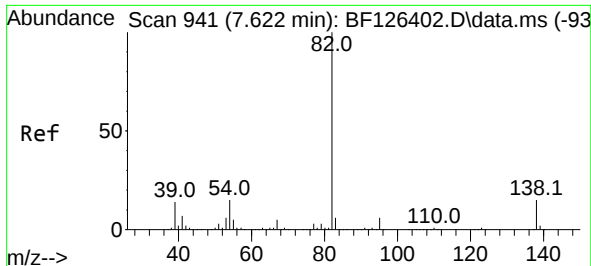
Tgt Ion:136 Resp: 660320
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.1 7.8 11.6
68 7.2 6.3 9.5



#23
Nitrobenzene-d5
Concen: 63.113 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF126421.D
Acq: 30 Dec 2021 15:52

Tgt Ion: 82 Resp: 811643
Ion Ratio Lower Upper
82 100
128 40.5 32.7 49.1
54 51.2 41.7 62.5

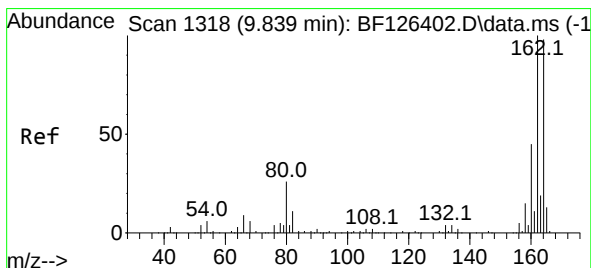
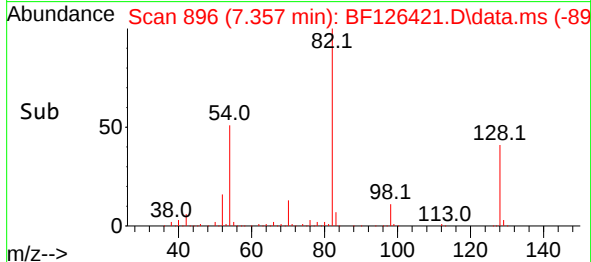
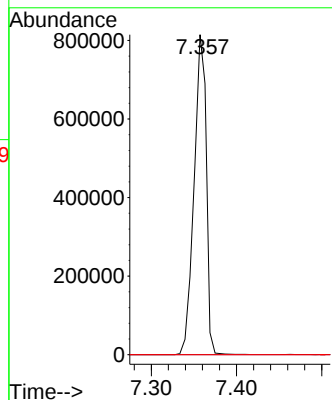
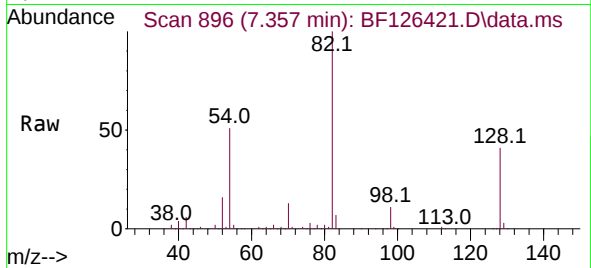




#25
Isophorone
Concen: 35.077 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF126421.D
Acq: 30 Dec 2021 15:52

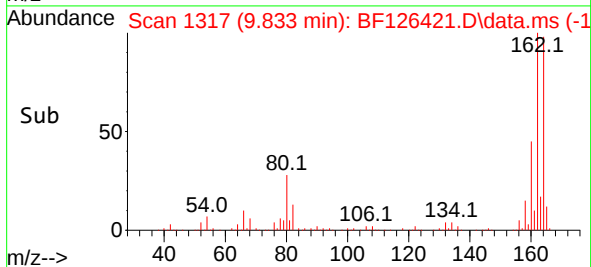
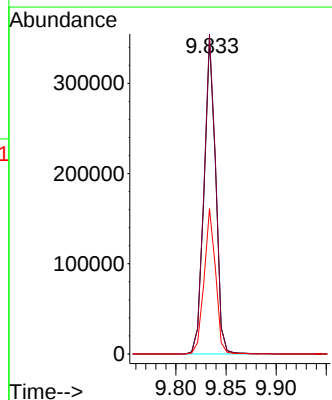
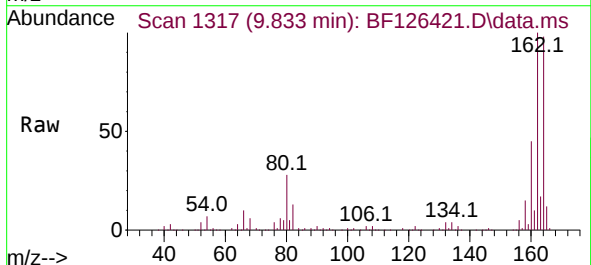
Instrument :
BNA_F
ClientSampleId :
RT3990

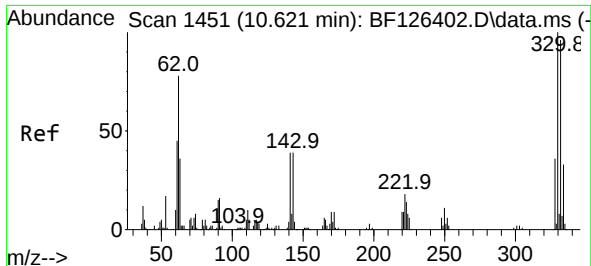
Tgt Ion: 82 Resp: 807530
Ion Ratio Lower Upper
82 100
95 0.0 5.0 7.4#
138 0.0 12.3 18.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF126421.D
Acq: 30 Dec 2021 15:52

Tgt Ion: 164 Resp: 282845
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 46.1 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 88.562 ng

RT: 10.622 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF126421.D

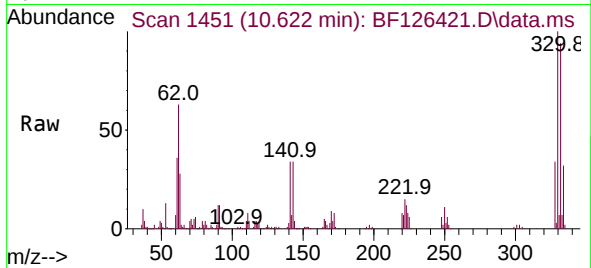
Acq: 30 Dec 2021 15:52

Instrument :

BNA_F

ClientSampleId :

RT3990



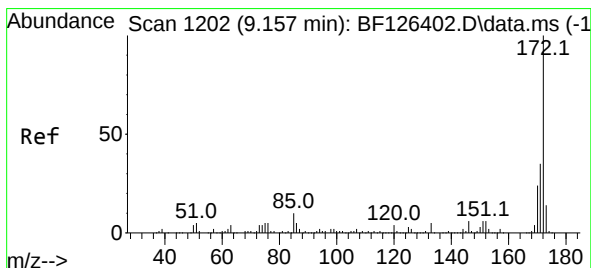
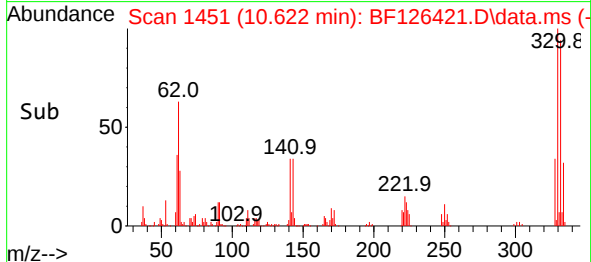
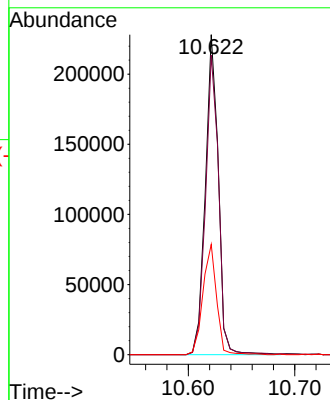
Tgt Ion:330 Resp: 193568

Ion Ratio Lower Upper

330 100

332 95.1 76.0 114.0

141 36.2 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 63.464 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.000 min

Lab File: BF126421.D

Acq: 30 Dec 2021 15:52

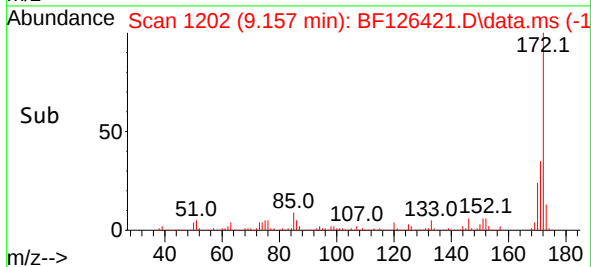
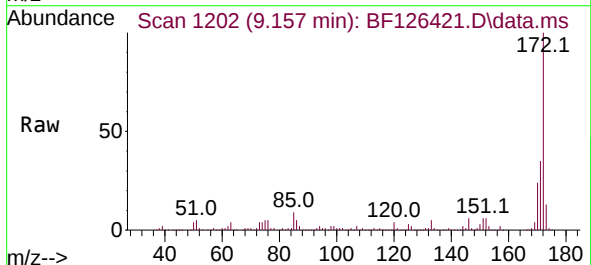
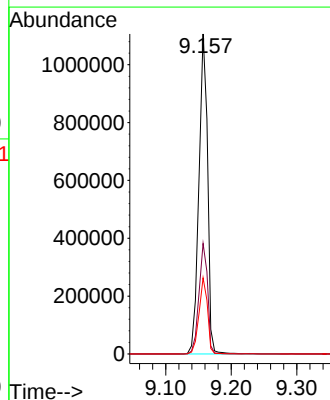
Tgt Ion:172 Resp: 1020071

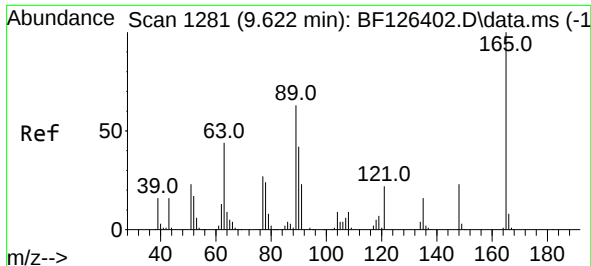
Ion Ratio Lower Upper

172 100

171 34.5 28.3 42.5

170 23.8 19.0 28.6

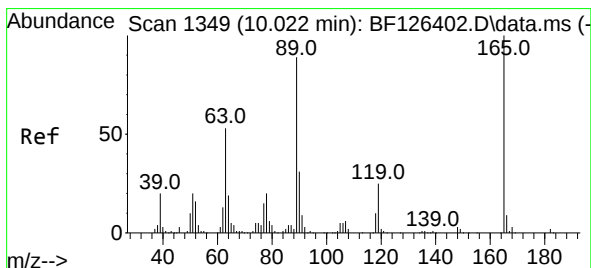
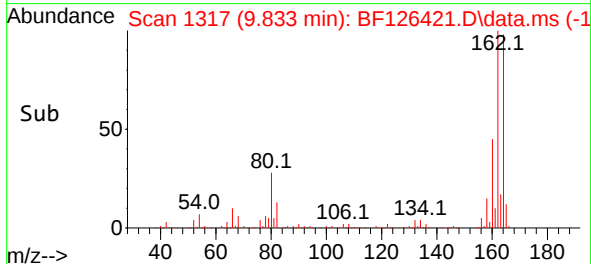
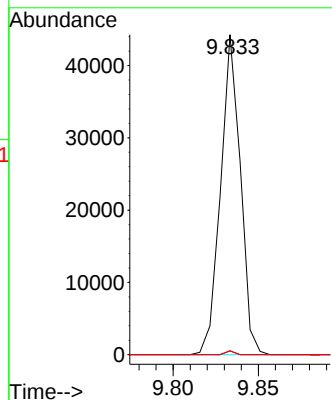
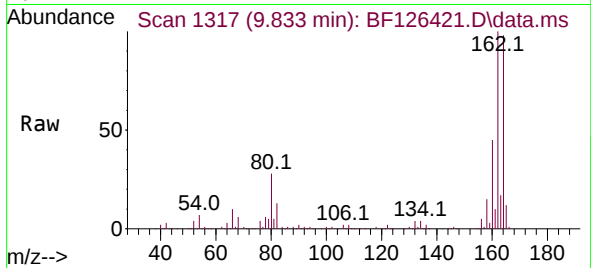




#51
2,6-Dinitrotoluene
Concen: 9.364 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.212 min
Lab File: BF126421.D
Acq: 30 Dec 2021 15:52

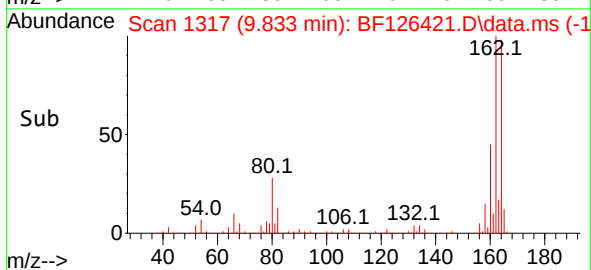
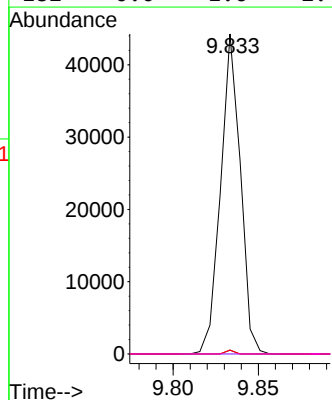
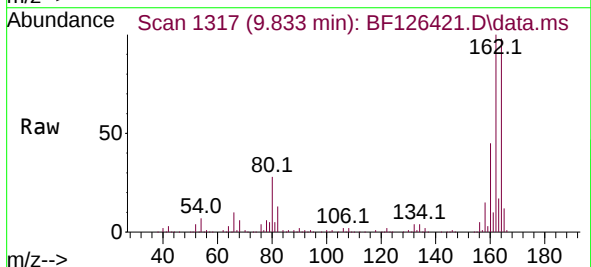
Instrument :
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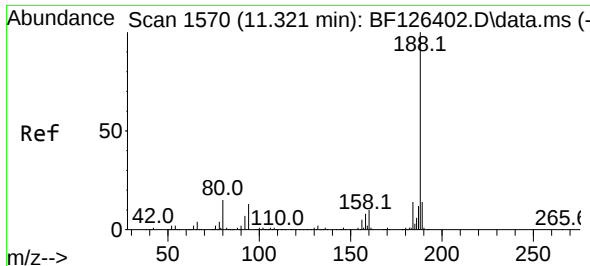
Tgt Ion:165 Resp: 35709
Ion Ratio Lower Upper
165 100
63 1.1 48.4 72.6#
89 1.2 50.5 75.7#



#57
2,4-Dinitrotoluene
Concen: 7.258 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF126421.D
Acq: 30 Dec 2021 15:52

Tgt Ion:165 Resp: 35709
Ion Ratio Lower Upper
165 100
63 1.1 43.0 64.6#
89 1.2 71.0 106.4#
182 0.0 1.6 2.4#

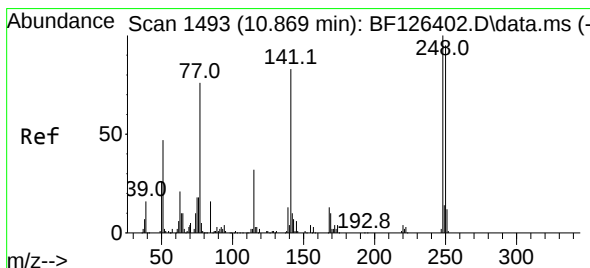
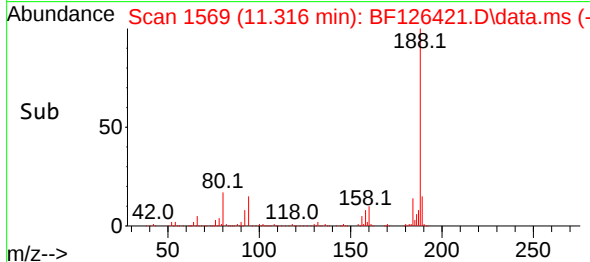
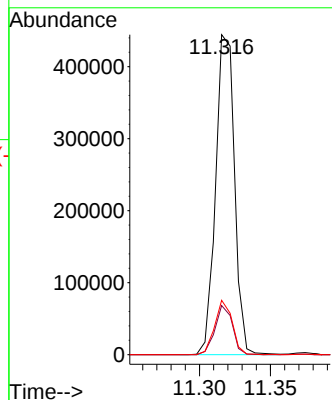
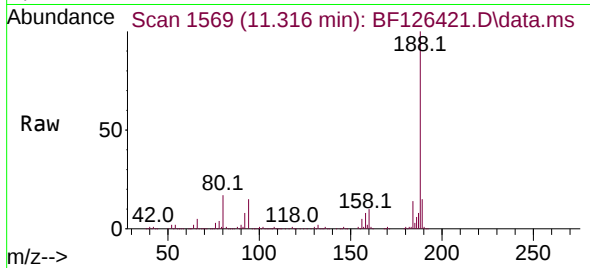




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126421.D
Acq: 30 Dec 2021 15:52

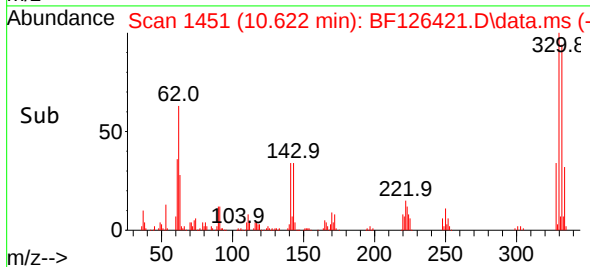
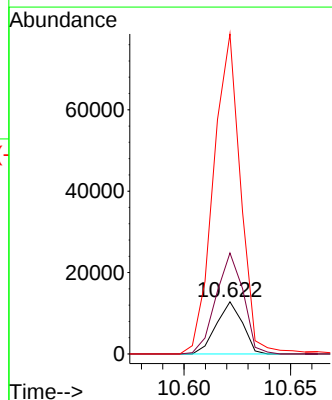
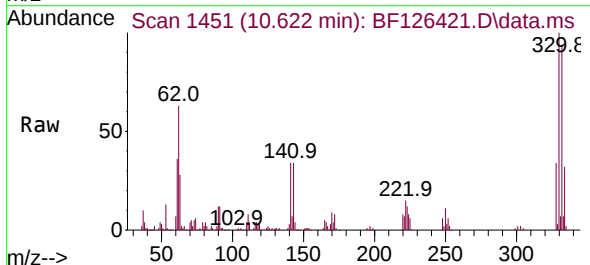
Instrument :
BNA_F
ClientSampleId :
RT3990

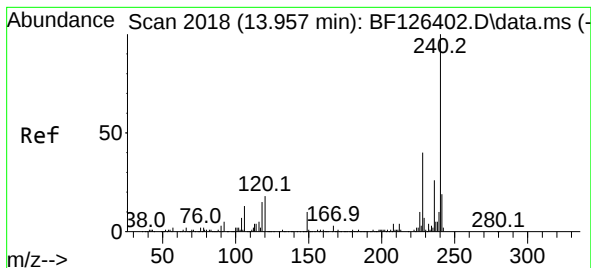
Tgt Ion:188 Resp: 410599
Ion Ratio Lower Upper
188 100
94 15.4 10.1 15.1#
80 17.0 11.8 17.6



#67
4-Bromophenyl-phenylether
Concen: 3.001 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF126421.D
Acq: 30 Dec 2021 15:52

Tgt Ion:248 Resp: 10938
Ion Ratio Lower Upper
248 100
250 193.7 76.2 114.4#
141 613.9 66.2 99.4#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF126421.D

Acq: 30 Dec 2021 15:52

Instrument :

BNA_F

ClientSampleId :

RT3990

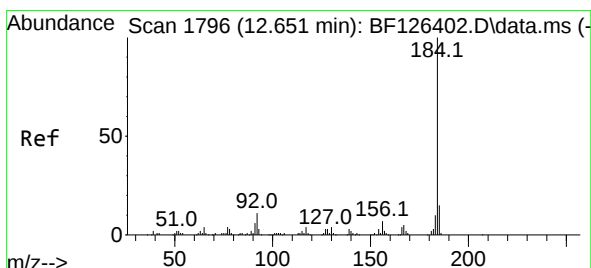
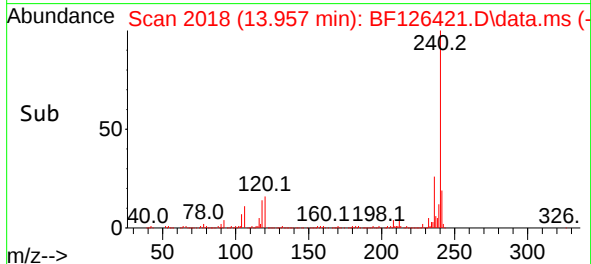
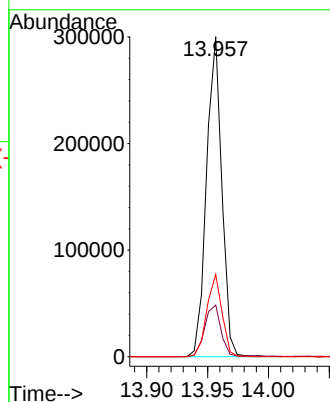
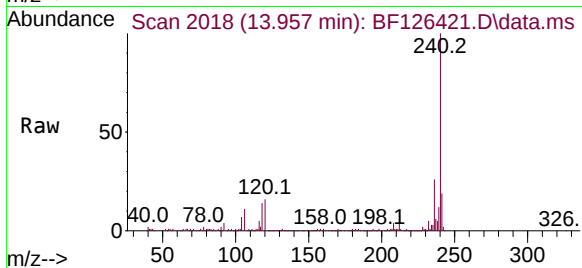
Tgt Ion:240 Resp: 262263

Ion Ratio Lower Upper

240 100

120 16.2 14.4 21.6

236 25.7 20.5 30.7



#77

Benzidine

Concen: Below Cal

RT: 12.904 min Scan# 1839

Delta R.T. 0.253 min

Lab File: BF126421.D

Acq: 30 Dec 2021 15:52

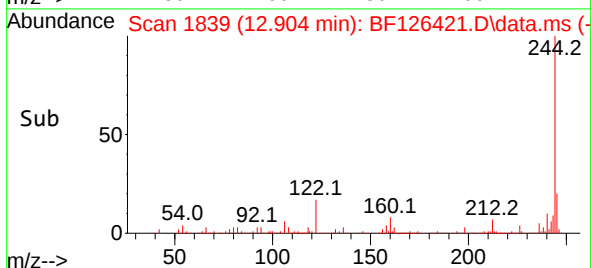
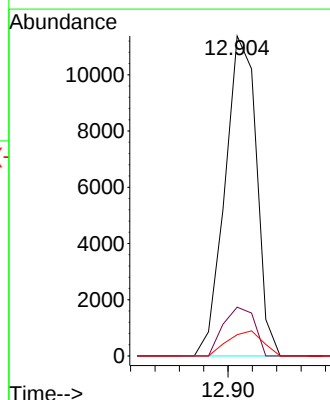
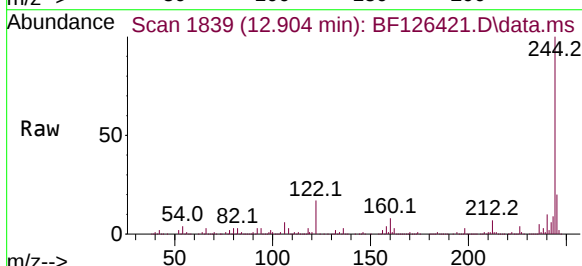
Tgt Ion:184 Resp: 10209

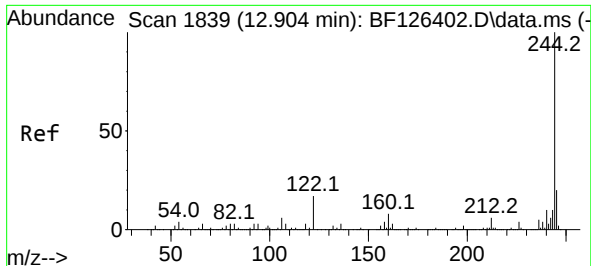
Ion Ratio Lower Upper

184 100

185 15.2 11.8 17.8

183 6.6 8.2 12.2#

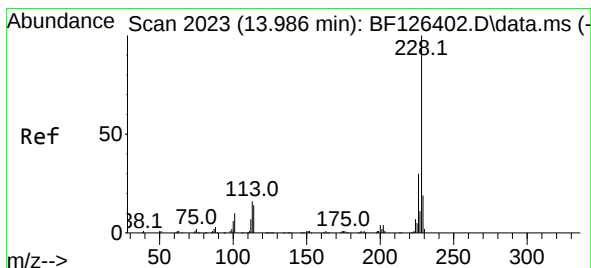
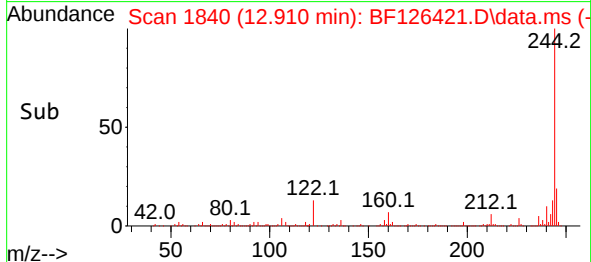
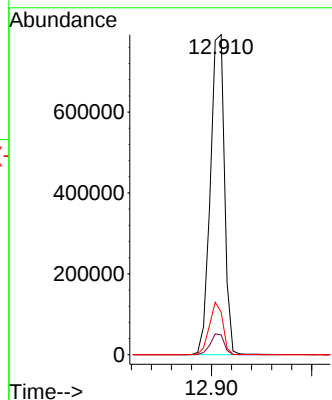
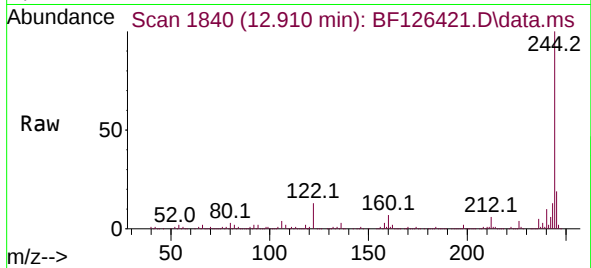




#79
 Terphenyl-d14
 Concen: 57.583 ng
 RT: 12.910 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF126421.D
 Acq: 30 Dec 2021 15:52

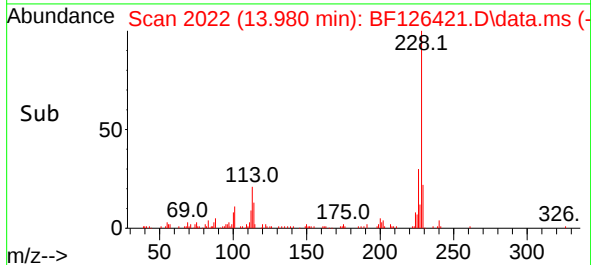
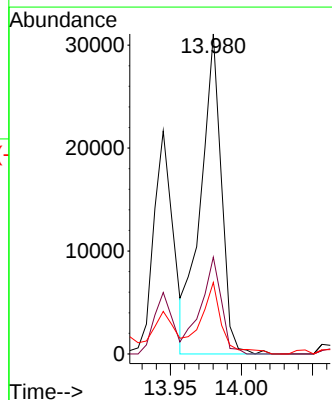
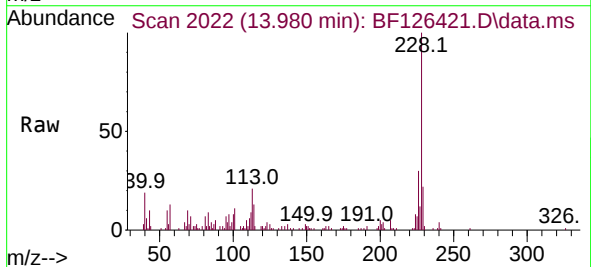
Instrument :
 BNA_F
 ClientSampleId :
 RT3990

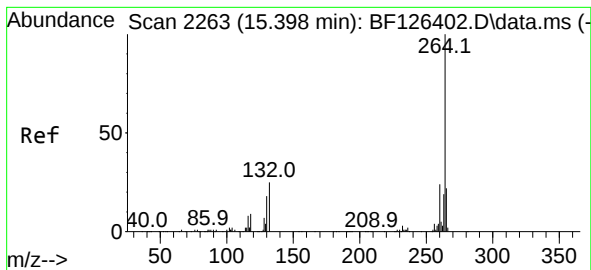
Tgt Ion:244 Resp: 777274
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 13.3 13.3 19.9



#83
 Chrysene
 Concen: 2.042 ng
 RT: 13.980 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF126421.D
 Acq: 30 Dec 2021 15:52

Tgt Ion:228 Resp: 31591
 Ion Ratio Lower Upper
 228 100
 226 30.3 23.7 35.5
 229 22.4 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.398 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BF126421.D

Acq: 30 Dec 2021 15:52

Instrument :

BNA_F

ClientSampleId :

RT3990

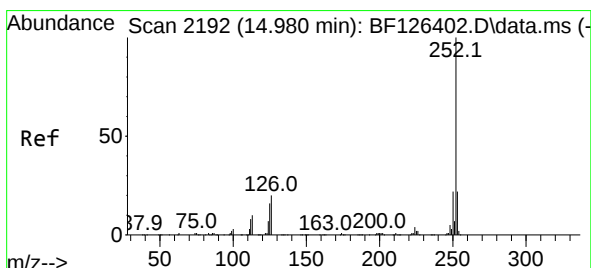
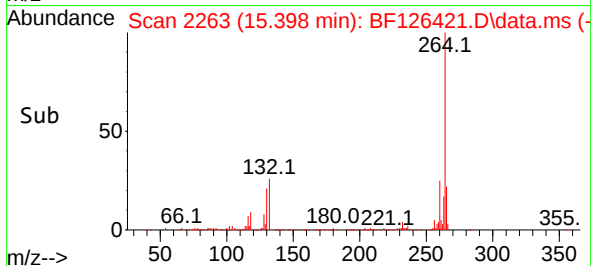
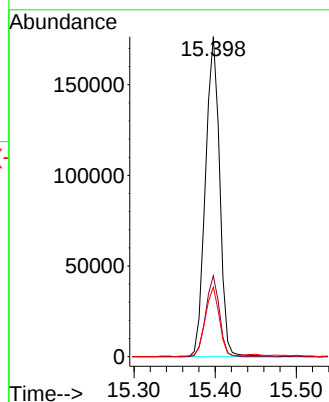
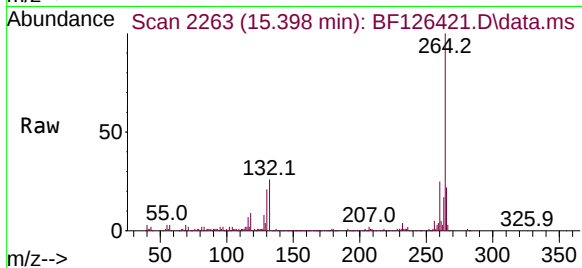
Tgt Ion:264 Resp: 213965

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 21.7 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 4.302 ng

RT: 14.980 min Scan# 2192

Delta R.T. 0.000 min

Lab File: BF126421.D

Acq: 30 Dec 2021 15:52

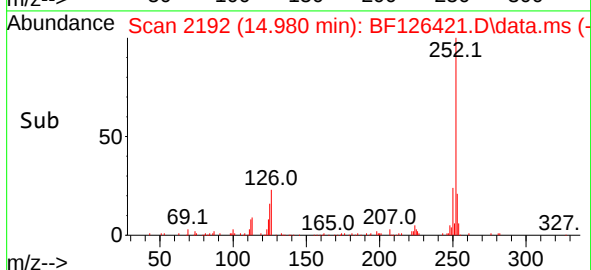
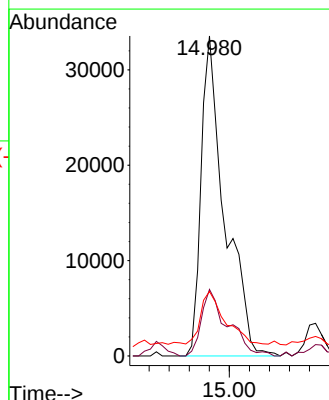
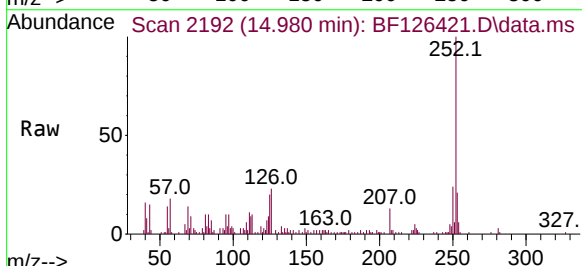
Tgt Ion:252 Resp: 54828

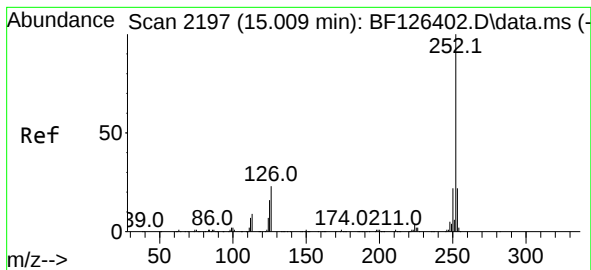
Ion Ratio Lower Upper

252 100

253 20.8 17.8 26.8

125 20.1 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 4.440 ng

RT: 14.980 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF126421.D

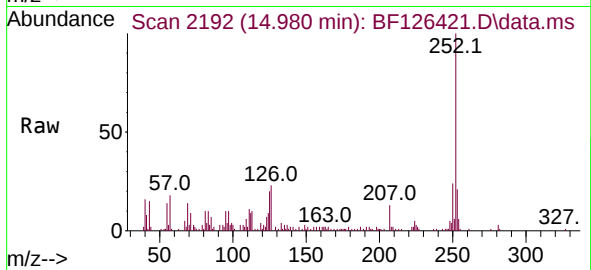
Acq: 30 Dec 2021 15:52

Instrument :

BNA_F

ClientSampleId :

RT3990



Tgt Ion:252 Resp: 54828

Ion Ratio Lower Upper

252 100

253 20.8 17.5 26.3

125 20.1 11.8 17.6#

