

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101921\
 Data File : BF125898.D
 Acq On : 19 Oct 2021 14:11
 Operator : JU/CG
 Sample : M4273-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-LA-4/2-WC

Quant Time: Oct 19 16:45:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 18 12:43:03 2021
 Response via : Initial Calibration

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

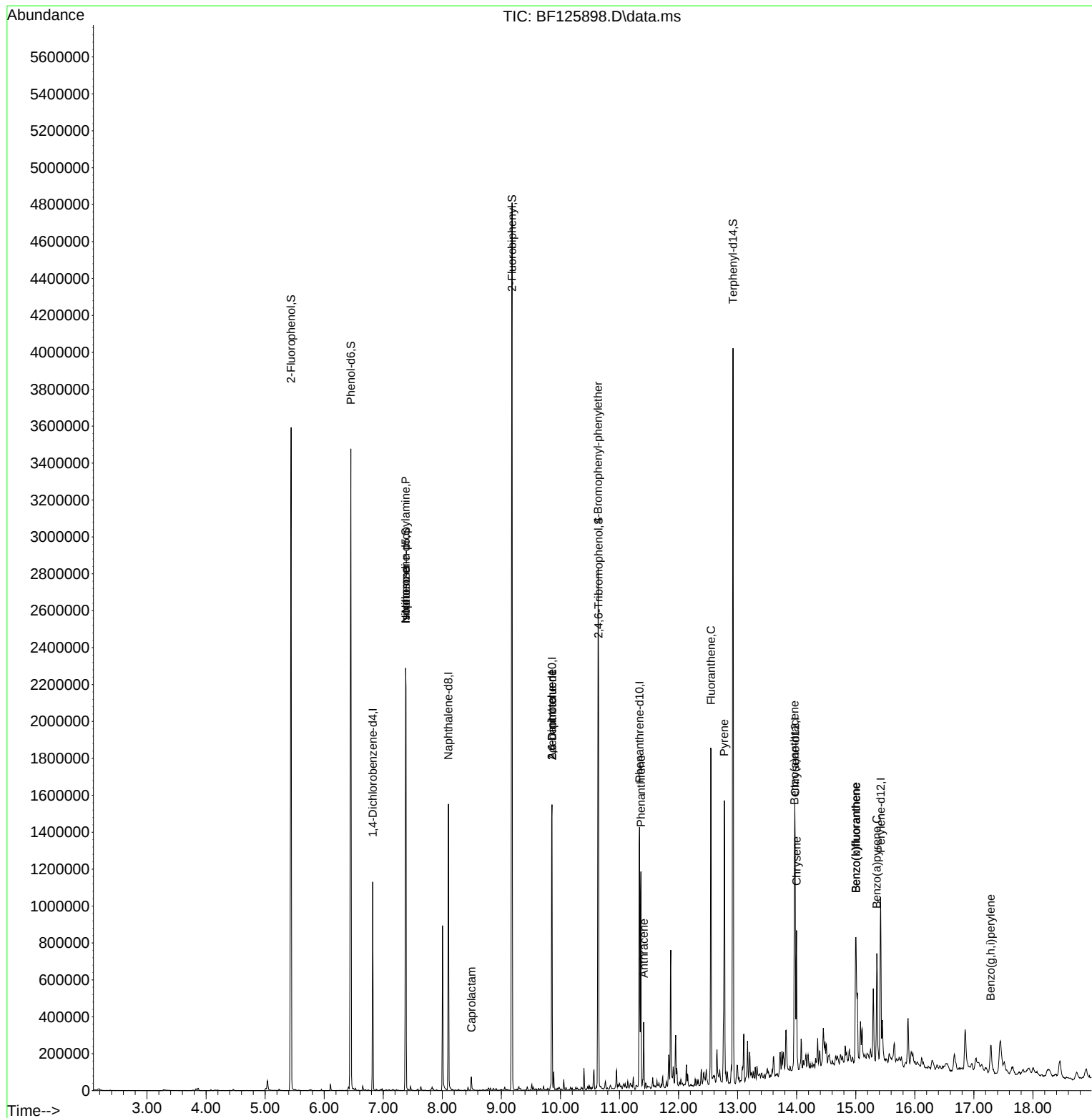
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	156882	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	628174	20.000	ng	# 0.00
39) Acenaphthene-d10	9.857	164	329616	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	536874	20.000	ng	0.00
76) Chrysene-d12	13.974	240	371331	20.000	ng	0.00
86) Perylene-d12	15.421	264	374009	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1143673	119.092	ng	0.00
7) Phenol-d6	6.451	99	1399483	113.203	ng	0.00
23) Nitrobenzene-d5	7.381	82	821905	81.331	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	371795	114.246	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1508037	78.913	ng	0.00
79) Terphenyl-d14	12.922	244	1293025	53.042	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	102538	15.712	ng	# 51
25) Isophorone	7.381	82	818925	45.741	ng	# 59
35) Caprolactam	8.492	113	8816	3.434	ng	# 83
51) 2,6-Dinitrotoluene	9.857	165	43682	9.960	ng	# 28
57) 2,4-Dinitrotoluene	9.857	165	43682	7.877	ng	# 19
67) 4-Bromophenyl-phenylether	10.639	248	20971	3.527	ng	# 1
71) Phenanthrene	11.363	178	432472	15.056	ng	98
72) Anthracene	11.410	178	120916	4.215	ng	99
75) Fluoranthene	12.551	202	747702	28.847	ng	98
78) Pyrene	12.774	202	609997	16.170	ng	97
81) Benzo(a)anthracene	13.963	228	311875	12.945	ng	98
83) Chrysene	13.998	228	290743	12.210	ng	98
88) Benzo(b)fluoranthene	15.004	252	524596	24.844	ng	98
89) Benzo(k)fluoranthene	15.004	252	524596	24.198	ng	# 97
90) Benzo(a)pyrene	15.357	252	275855	14.752	ng	98
92) Benzo(g,h,i)perylene	17.286	276	123559	5.138	ng	93

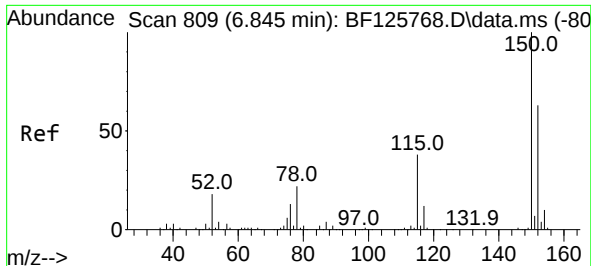
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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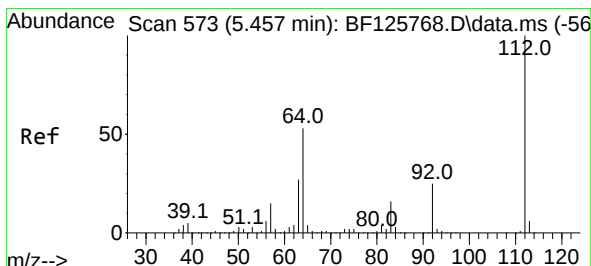
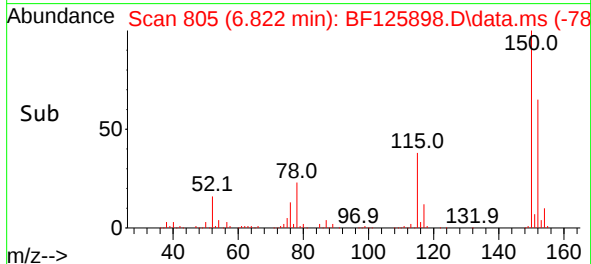
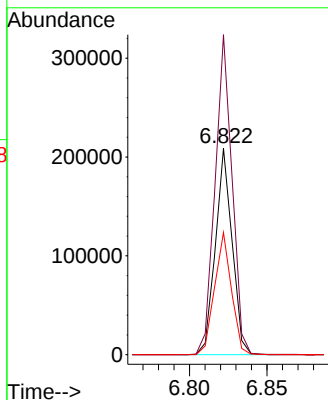
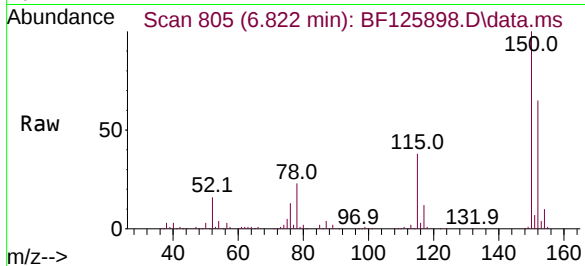




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

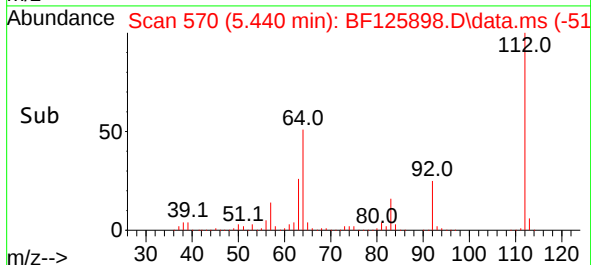
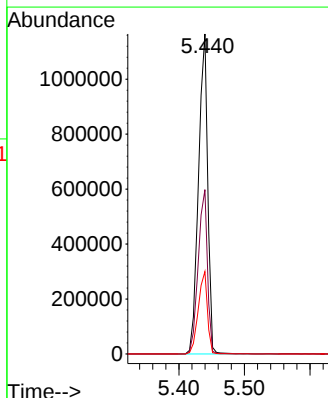
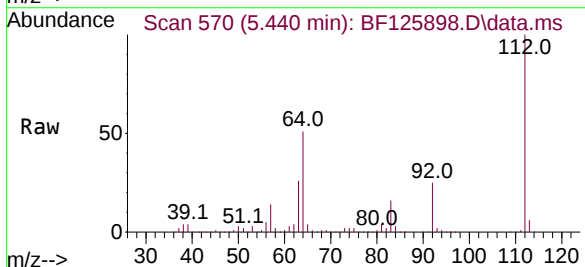
Instrument :
BNA_F
ClientSampleId :
R-LA-4/2-WC

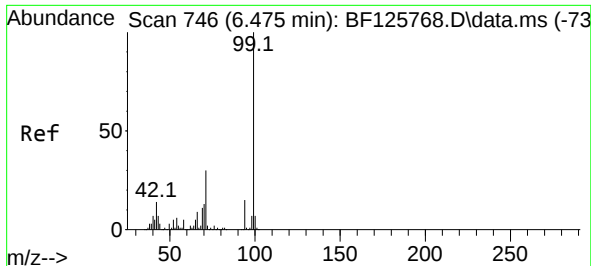
Tgt Ion:152 Resp: 156882
Ion Ratio Lower Upper
152 100
150 155.0 117.6 176.4
115 59.2 47.1 70.7



#5
2-Fluorophenol
Concen: 119.092 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.000 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Tgt Ion:112 Resp: 1143673
Ion Ratio Lower Upper
112 100
64 51.4 44.2 66.2
63 25.7 26.2 39.2#

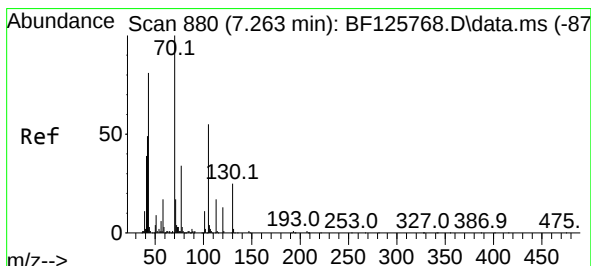
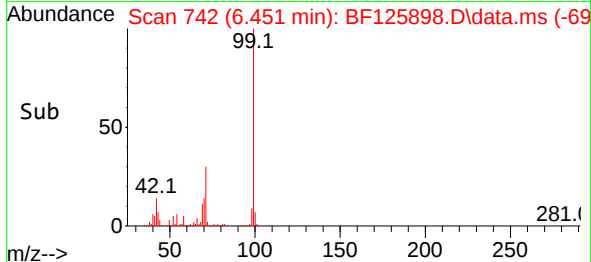
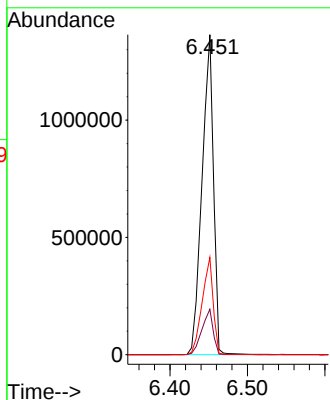
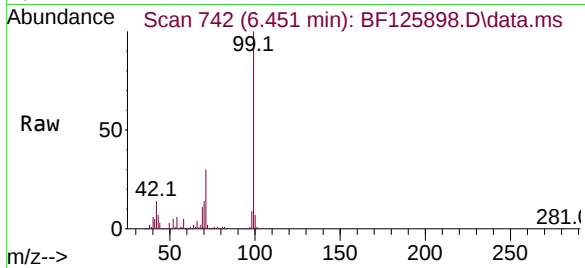




#7
Phenol-d6
Concen: 113.203 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

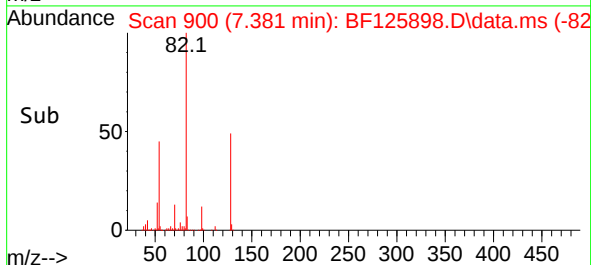
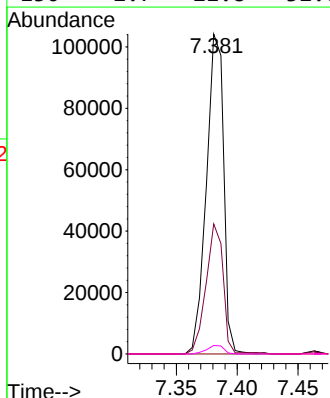
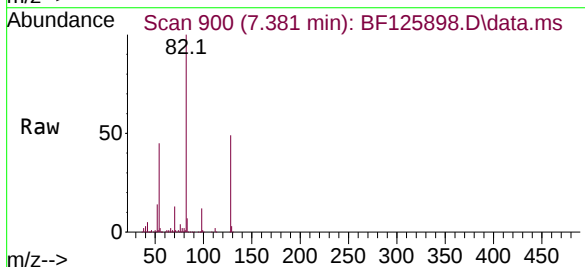
Instrument :
BNA_F
ClientSampleId :
R-LA-4/2-WC

Tgt Ion: 99 Resp: 1399483
Ion Ratio Lower Upper
99 100
42 14.2 23.5 35.3#
71 30.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.712 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Tgt Ion: 70 Resp: 102538
Ion Ratio Lower Upper
70 100
42 40.7 72.2 108.2#
101 0.0 7.8 11.8#
130 2.7 21.8 32.6#

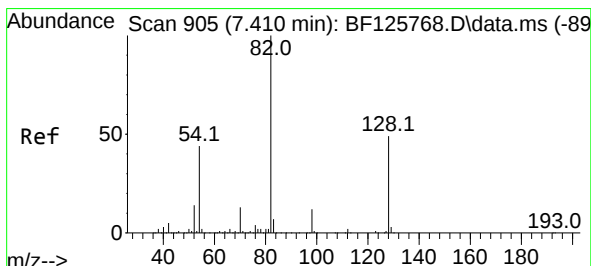
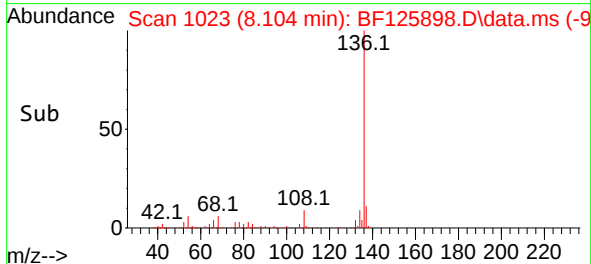
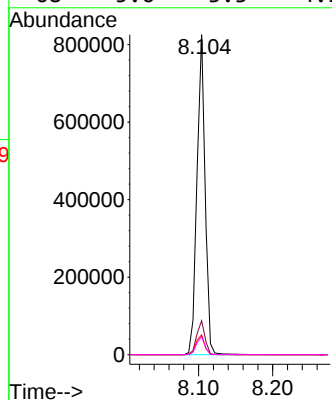
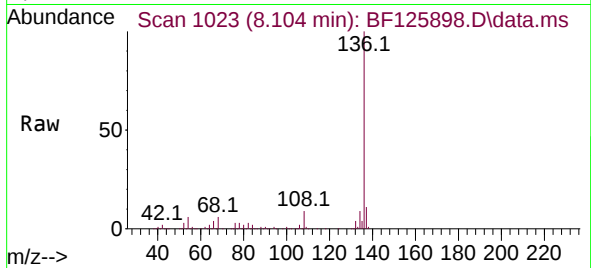




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

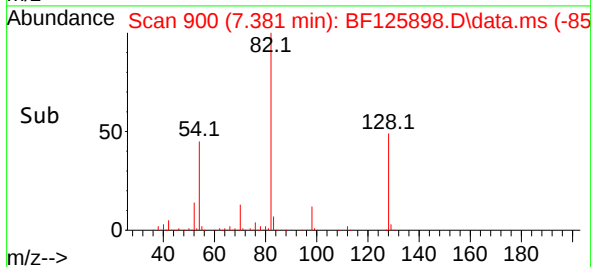
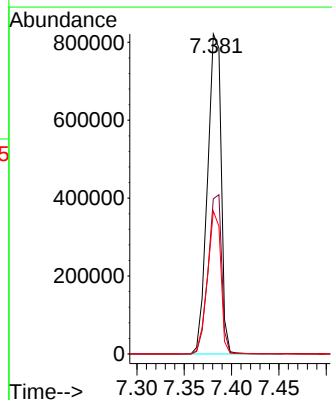
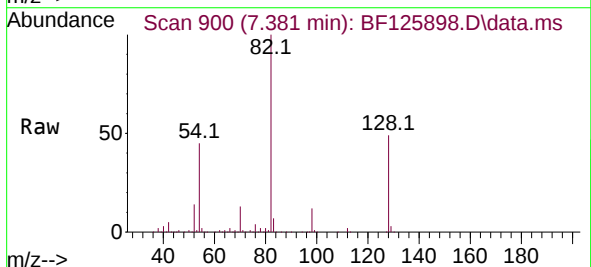
Instrument :
BNA_F
ClientSampleId :
R-LA-4/2-WC

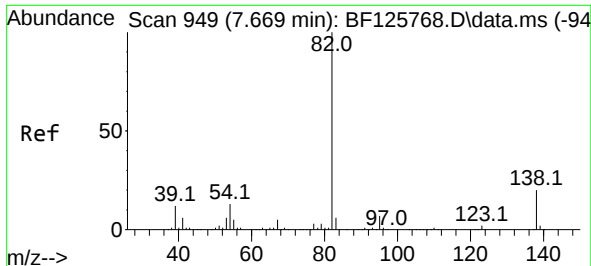
Tgt Ion:136	Resp: 628174
Ion Ratio	Lower Upper
136 100	
137 10.6	9.8 14.6
54 6.2	6.4 9.6#
68 5.6	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 81.331 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Tgt Ion: 82	Resp: 821905
Ion Ratio	Lower Upper
82 100	
128 48.5	40.6 60.8
54 44.6	49.6 74.4#

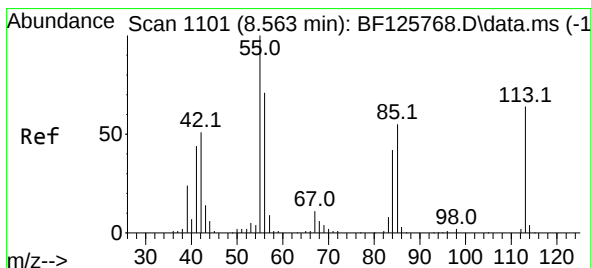
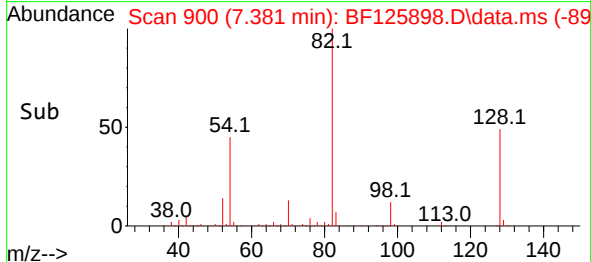
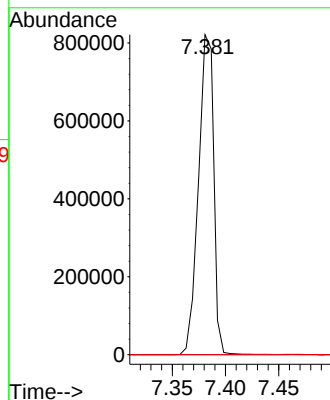
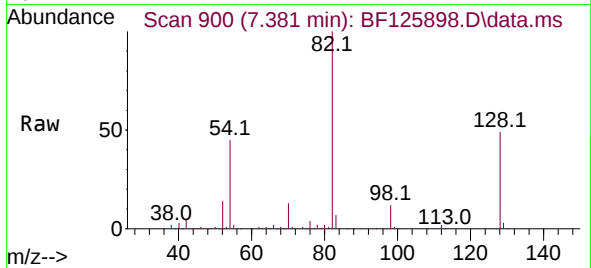




#25
Isophorone
Concen: 45.741 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.270 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

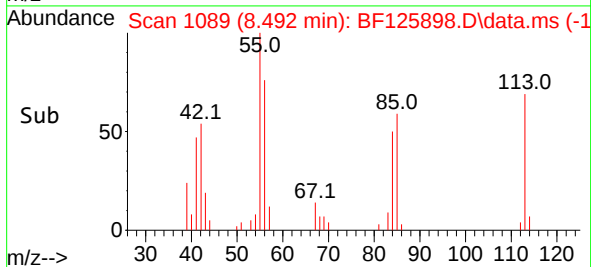
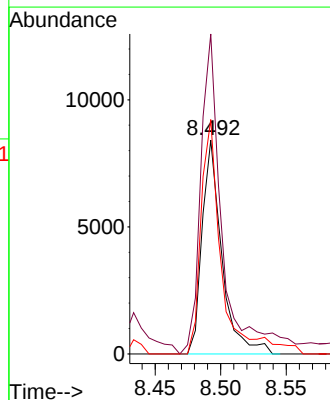
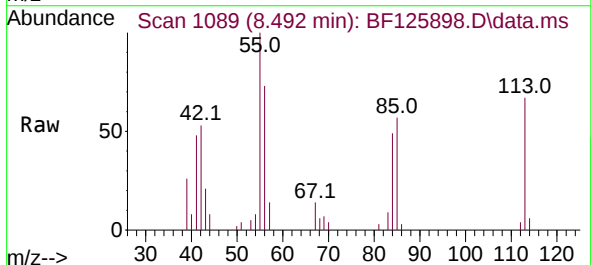
Instrument :
BNA_F
ClientSampleId :
R-LA-4/2-WC

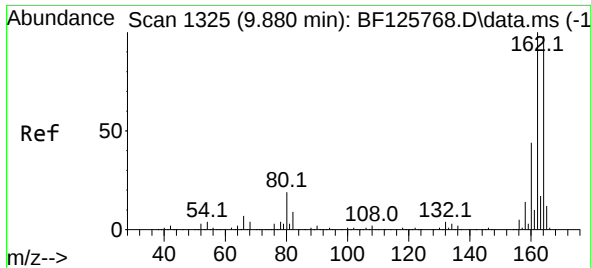
Tgt Ion: 82 Resp: 818925
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#35
Caprolactam
Concen: 3.434 ng
RT: 8.492 min Scan# 1089
Delta R.T. -0.053 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Tgt Ion: 113 Resp: 8816
Ion Ratio Lower Upper
113 100
55 149.6 154.1 194.1#
56 109.6 108.7 148.7

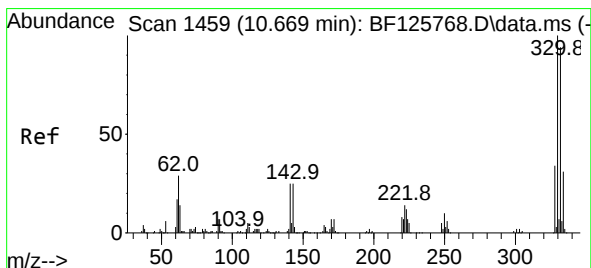
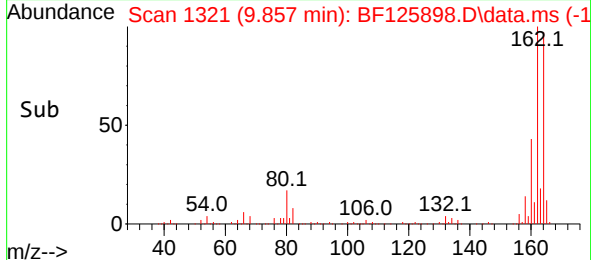
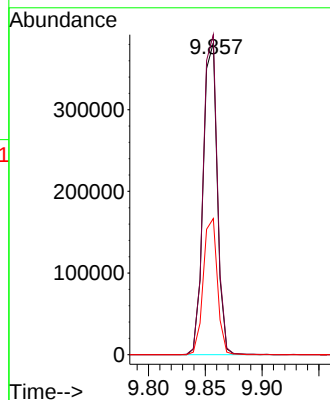
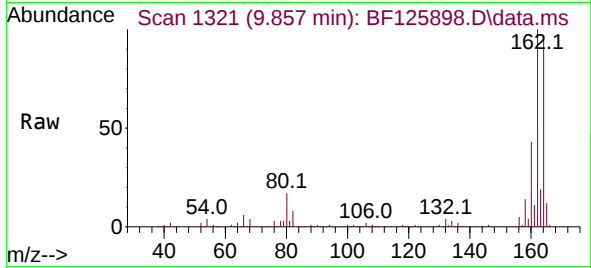




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

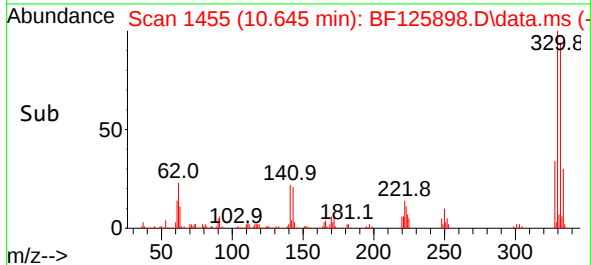
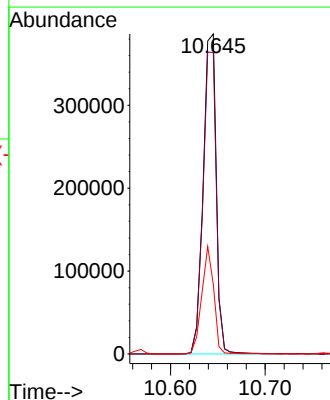
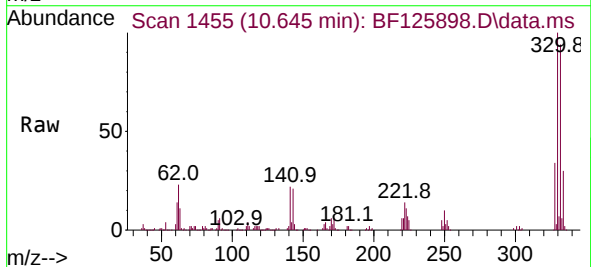
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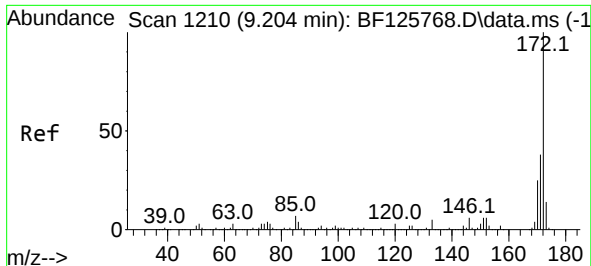
Tgt Ion:164 Resp: 329616
Ion Ratio Lower Upper
164 100
162 102.7 81.3 121.9
160 43.7 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 114.246 ng
RT: 10.645 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Tgt Ion:330 Resp: 371795
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 30.9 44.6 66.8#

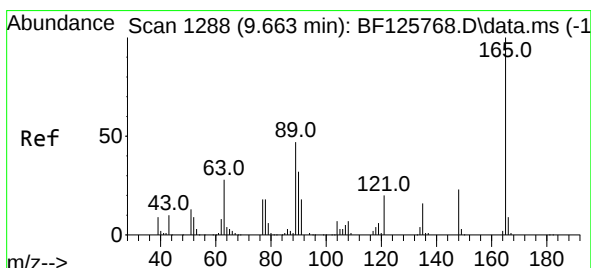
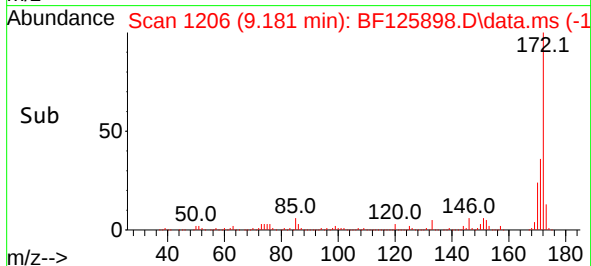
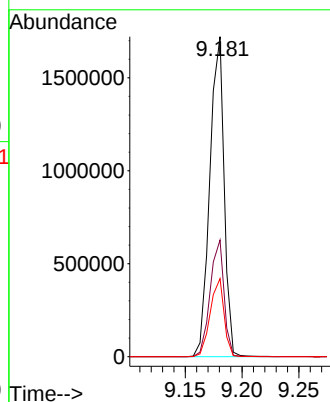
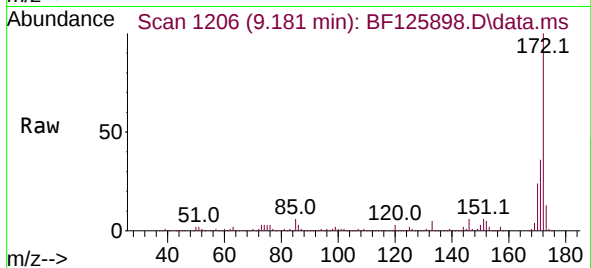




#45
2-Fluorobiphenyl
Concen: 78.913 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

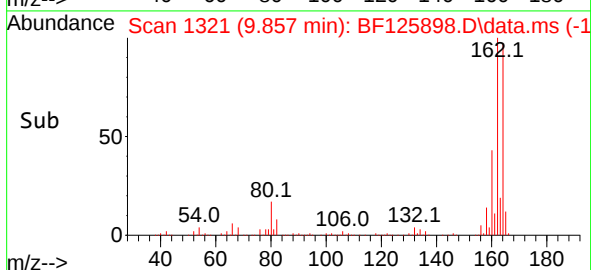
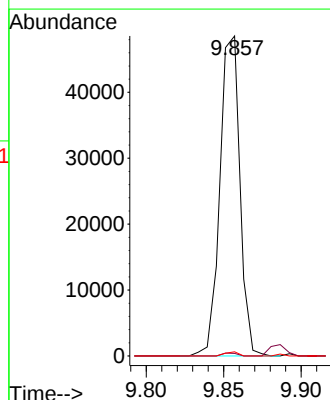
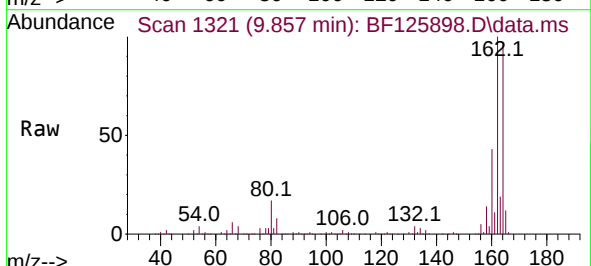
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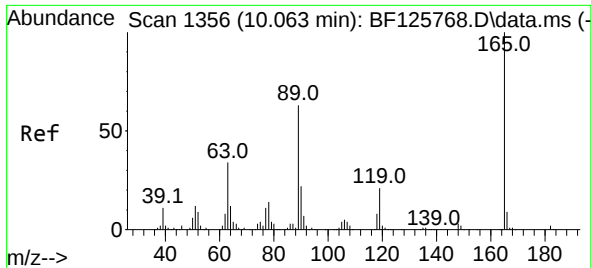
Tgt Ion:172 Resp: 1508037
Ion Ratio Lower Upper
172 100
171 36.4 26.5 39.7
170 24.4 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.960 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.218 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Tgt Ion:165 Resp: 43682
Ion Ratio Lower Upper
165 100
63 0.8 42.6 63.8#
89 1.3 40.6 60.8#

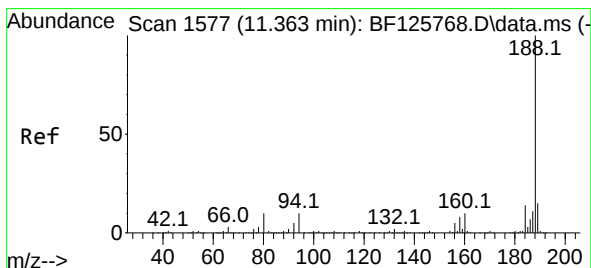
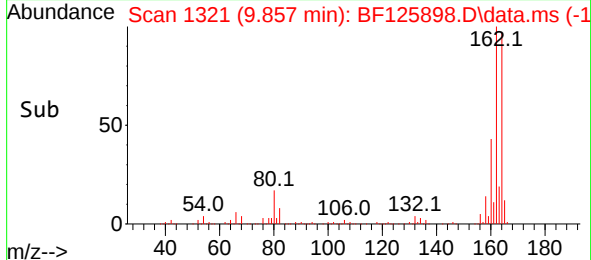
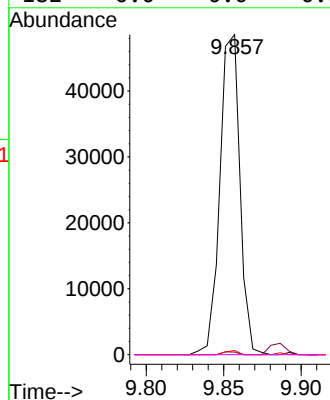
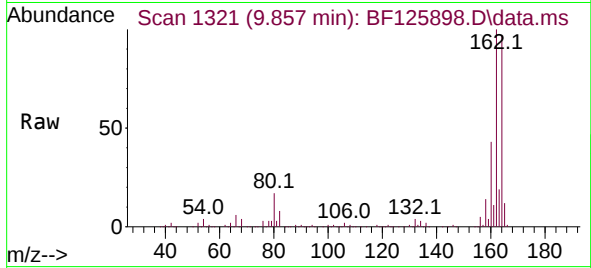




#57
2,4-Dinitrotoluene
Concen: 7.877 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.188 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

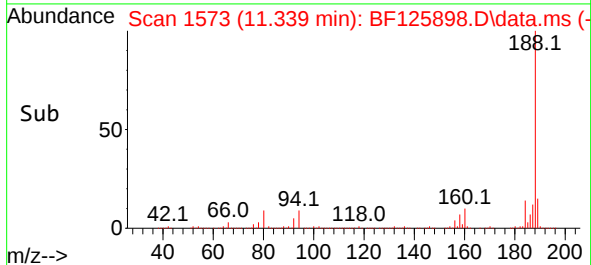
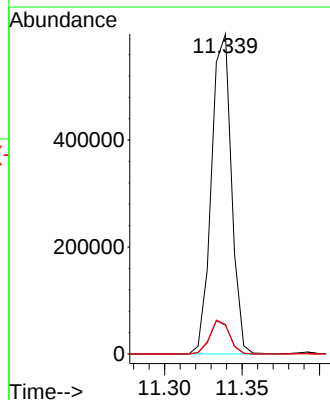
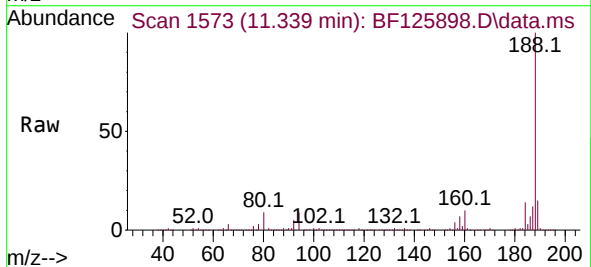
Instrument :
BNA_F
ClientSampleId :
R-LA-4/2-WC

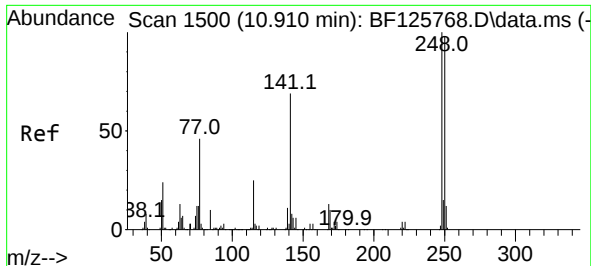
Tgt Ion:165 Resp: 43682
Ion Ratio Lower Upper
165 100
63 0.8 40.9 61.3#
89 1.3 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Tgt Ion:188 Resp: 536874
Ion Ratio Lower Upper
188 100
94 8.9 6.7 10.1
80 9.3 7.5 11.3

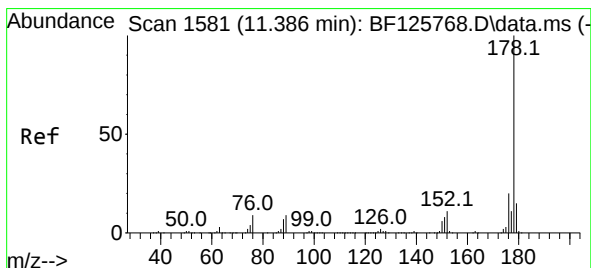
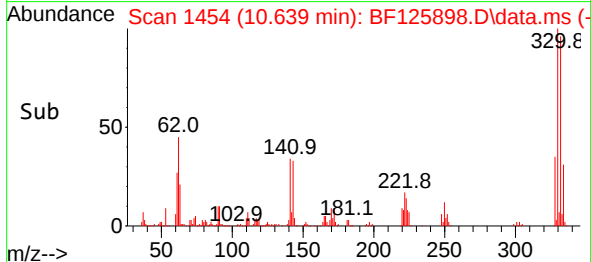
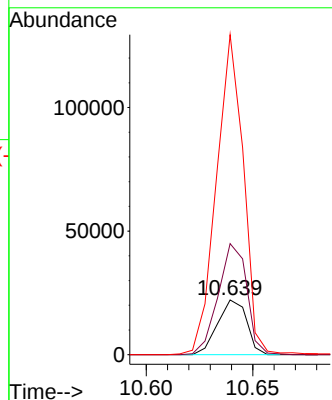
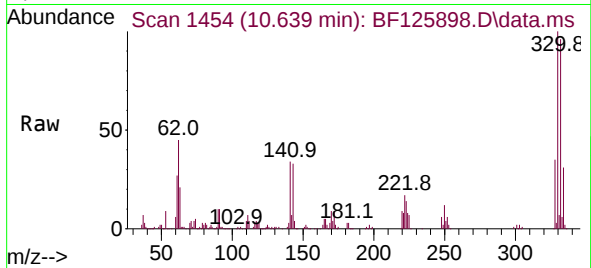




#67
4-Bromophenyl-phenylether
Concen: 3.527 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.247 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

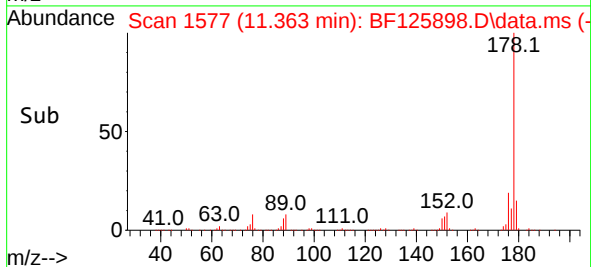
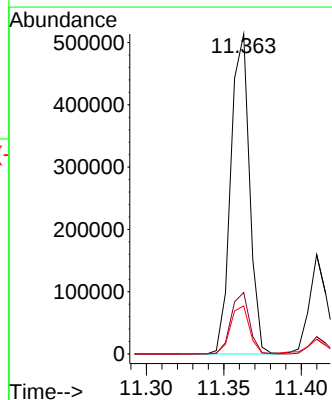
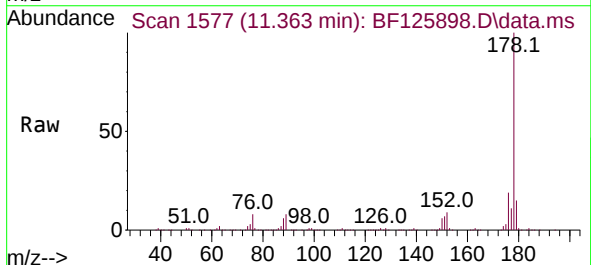
Instrument :
BNA_F
ClientSampleId :
R-LA-4/2-WC

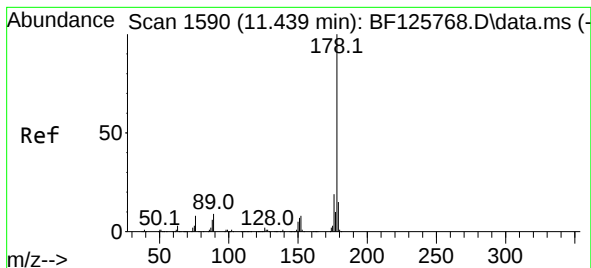
Tgt Ion:248 Resp: 20971
Ion Ratio Lower Upper
248 100
250 203.0 74.2 111.4#
141 584.7 60.4 90.6#



#71
Phenanthrene
Concen: 15.056 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Tgt Ion:178 Resp: 432472
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 15.0 11.5 17.3





#72

Anthracene

Concen: 4.215 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.012 min

Lab File: BF125898.D

Acq: 19 Oct 2021 14:11

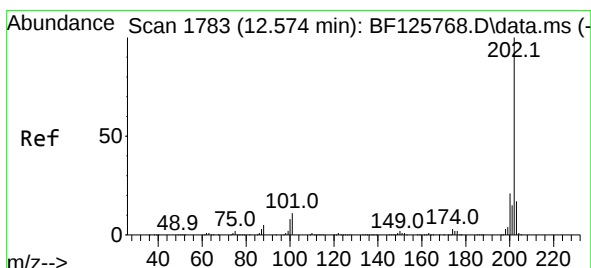
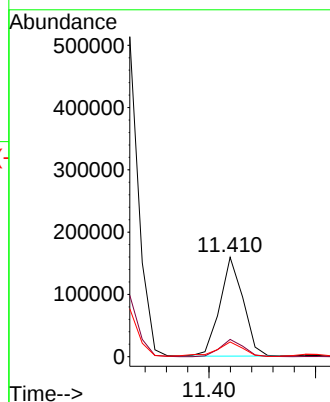
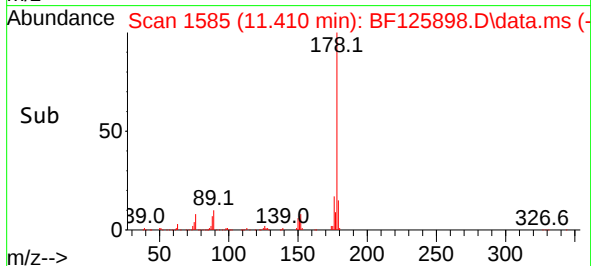
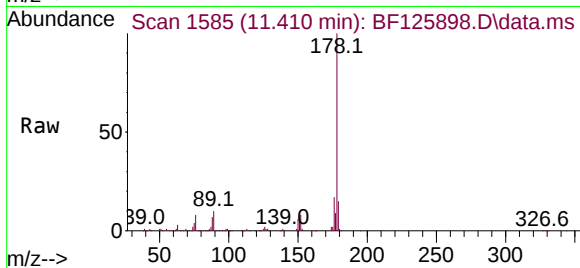
Tgt Ion:178 Resp: 120916

Ion Ratio Lower Upper

178 100

176 17.4 14.3 21.5

179 14.8 12.2 18.4



#75

Fluoranthene

Concen: 28.847 ng

RT: 12.551 min Scan# 1779

Delta R.T. 0.000 min

Lab File: BF125898.D

Acq: 19 Oct 2021 14:11

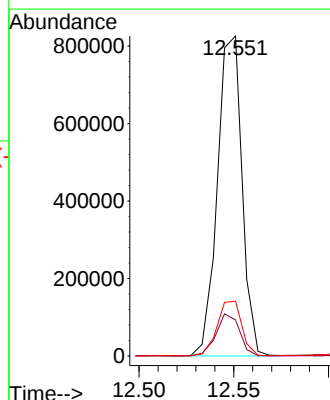
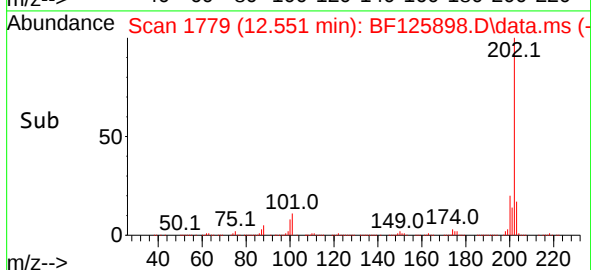
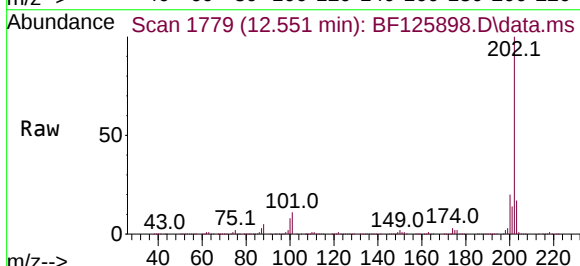
Tgt Ion:202 Resp: 747702

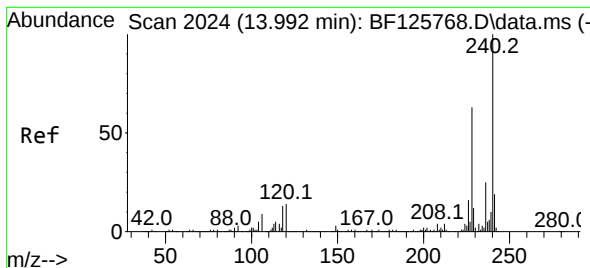
Ion Ratio Lower Upper

202 100

101 11.2 0.0 30.7

203 17.1 0.0 36.3

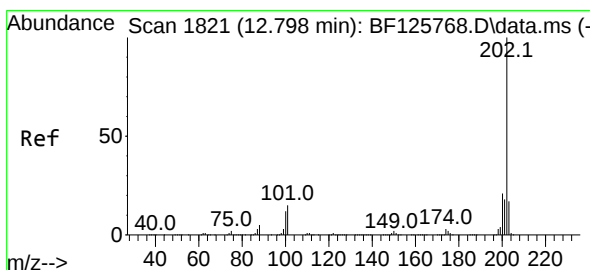
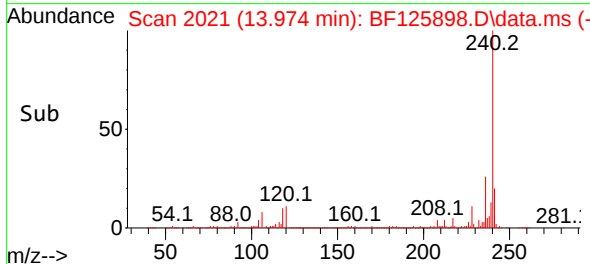
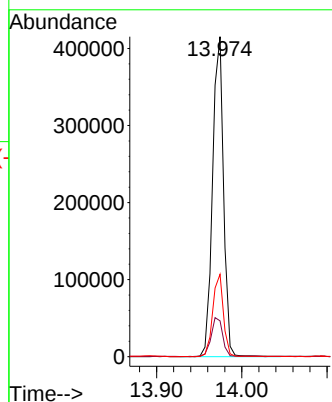
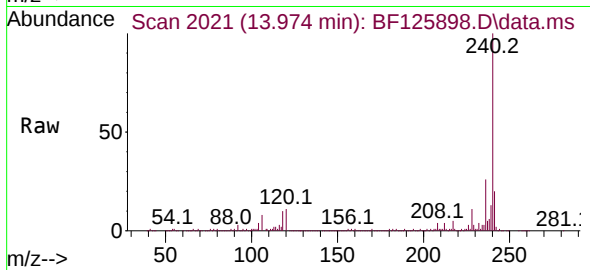




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

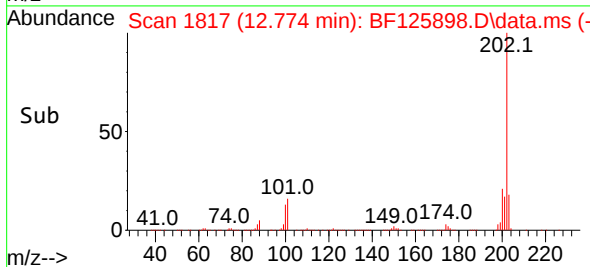
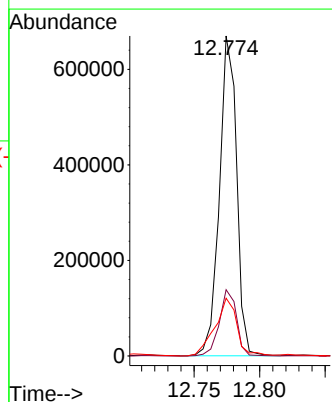
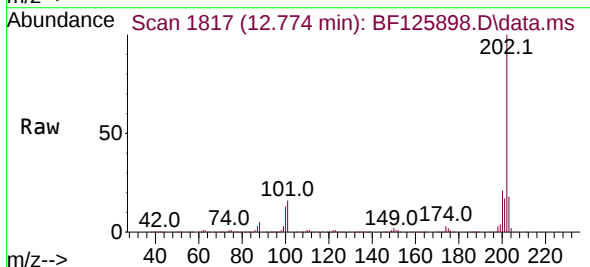
Instrument :
BNA_F
ClientSampleId :
R-LA-4/2-WC

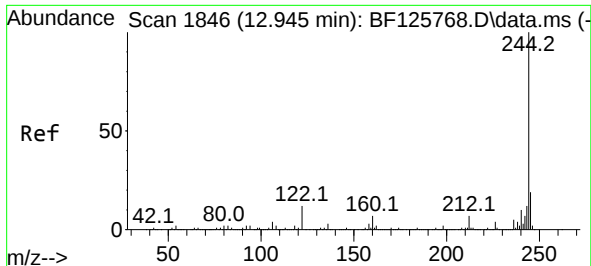
Tgt Ion:240 Resp: 371331
Ion Ratio Lower Upper
240 100
120 11.2 10.8 16.2
236 25.7 21.6 32.4



#78
Pyrene
Concen: 16.170 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

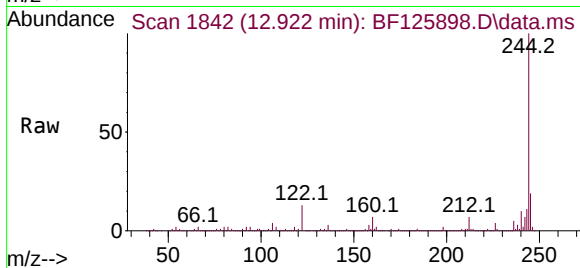
Tgt Ion:202 Resp: 609997
Ion Ratio Lower Upper
202 100
200 20.7 15.3 22.9
203 18.1 13.4 20.0



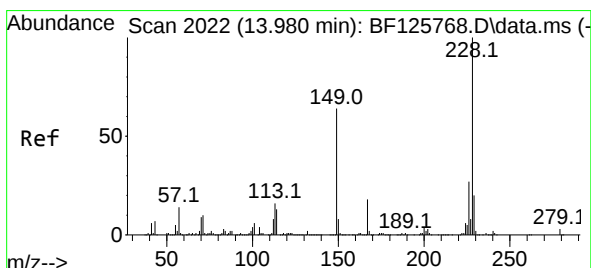
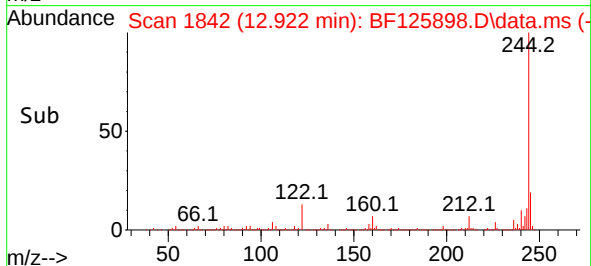
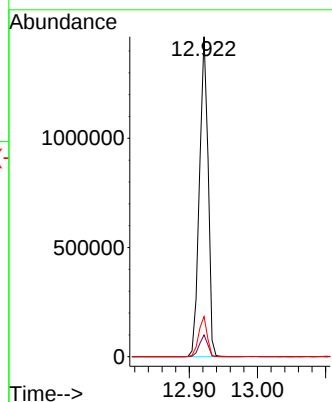


#79
Terphenyl-d14
Concen: 53.042 ng
RT: 12.922 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Instrument :
BNA_F
ClientSampleId :
R-LA-4/2-WC

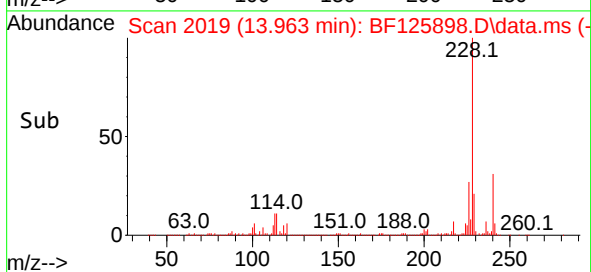
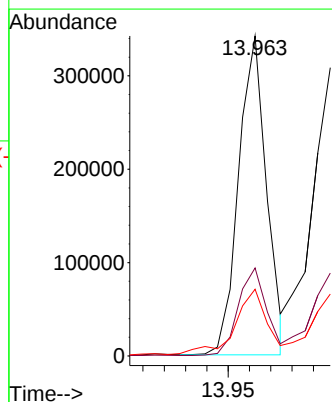
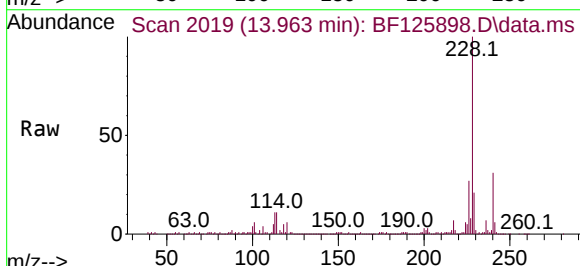


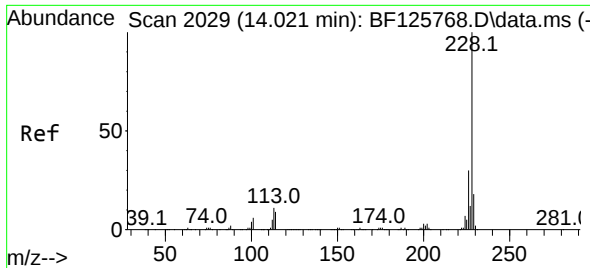
Tgt Ion:244 Resp: 1293025
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 12.6 9.0 13.4



#81
Benzo(a)anthracene
Concen: 12.945 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Tgt Ion:228 Resp: 311875
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 20.8 15.6 23.4

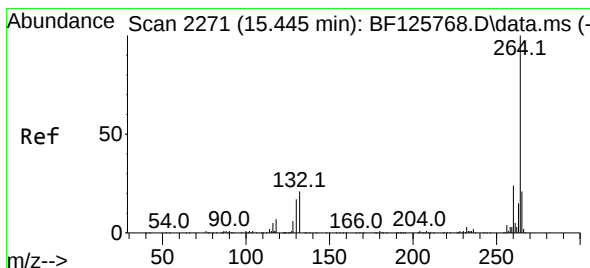
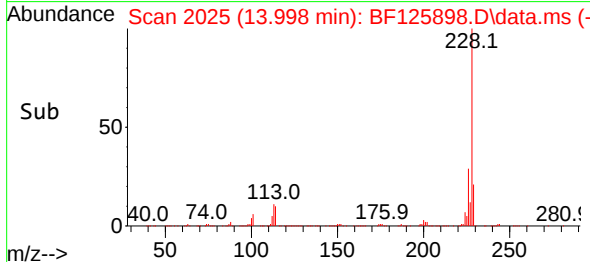
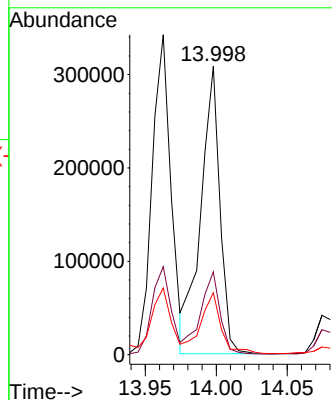
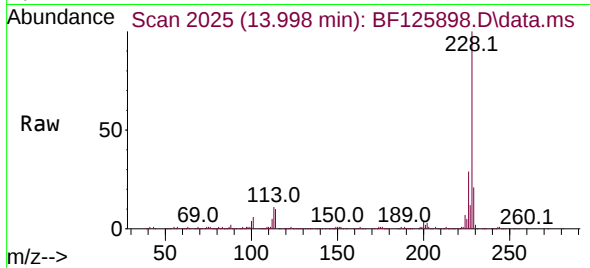




#83
Chrysene
Concen: 12.210 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

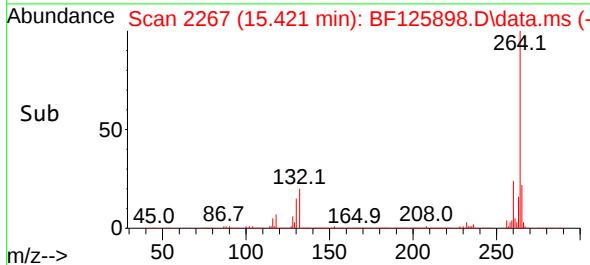
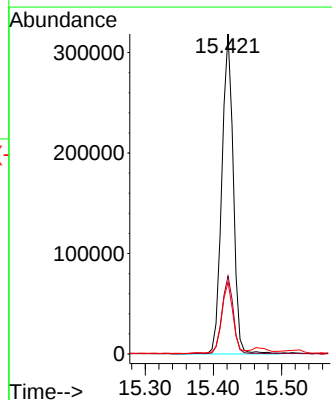
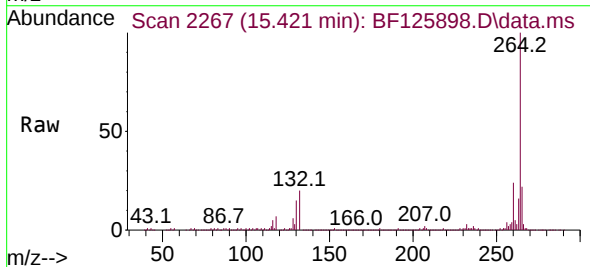
Instrument :
BNA_F
ClientSampleId :
R-LA-4/2-WC

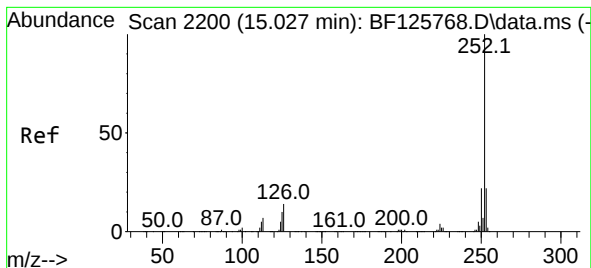
Tgt Ion:228	Resp: 290743
Ion Ratio	Lower Upper
228	100
226	28.8 22.6 34.0
229	21.5 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.000 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Tgt Ion:264	Resp: 374009
Ion Ratio	Lower Upper
264	100
260	24.4 19.6 29.4
265	22.4 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 24.844 ng

RT: 15.004 min Scan# 2196

Delta R.T. 0.000 min

Lab File: BF125898.D

Acq: 19 Oct 2021 14:11

Tgt Ion:252 Resp: 524596

Ion Ratio Lower Upper

252 100

253 22.1 16.8 25.2

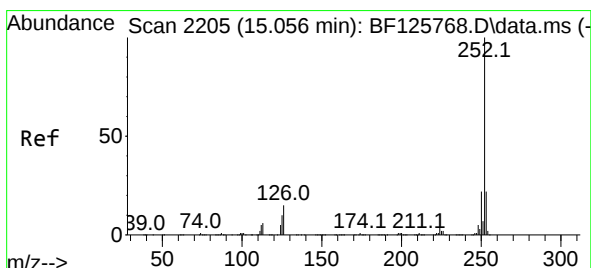
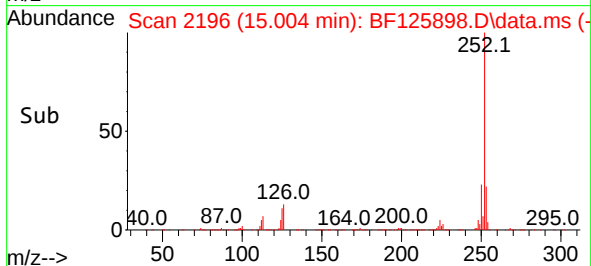
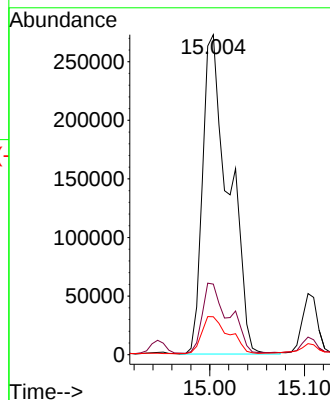
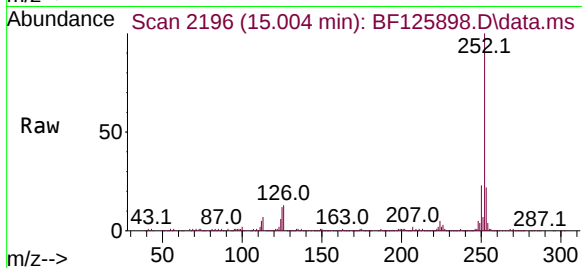
125 11.9 9.8 14.8

Instrument :

BNA_F

ClientSampleId :

R-LA-4/2-WC



#89

Benzo(k)fluoranthene

Concen: 24.198 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.023 min

Lab File: BF125898.D

Acq: 19 Oct 2021 14:11

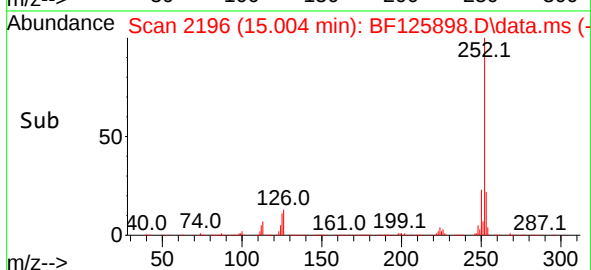
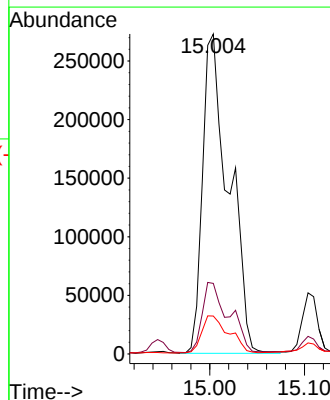
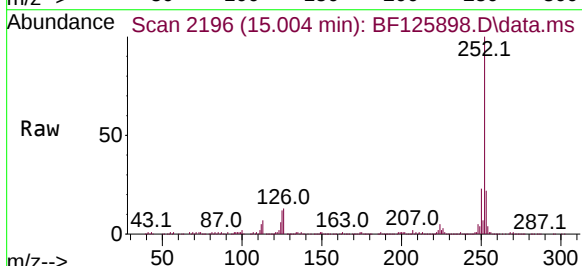
Tgt Ion:252 Resp: 524596

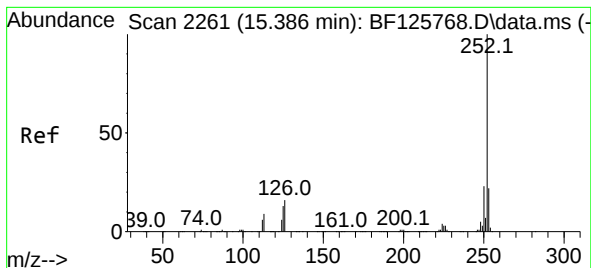
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 11.9 7.2 10.8#

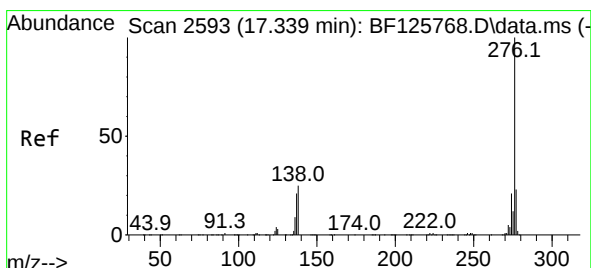
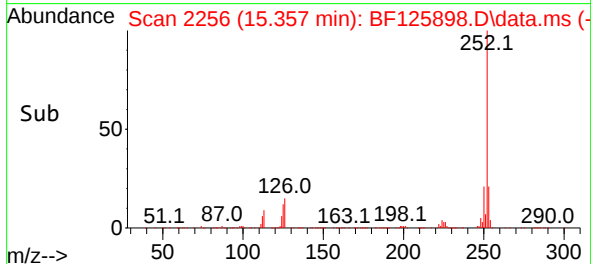
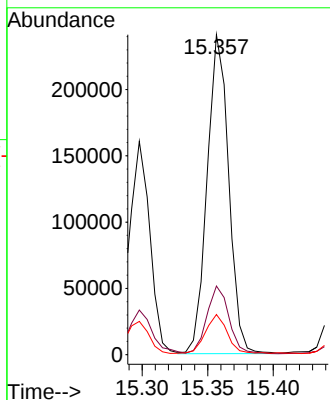
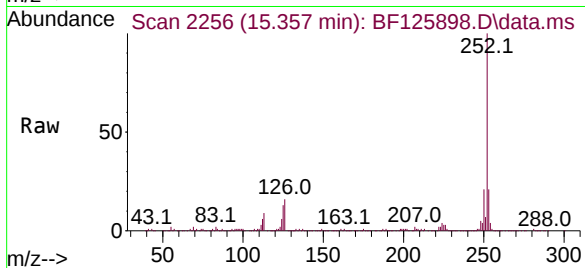




#90
Benzo(a)pyrene
Concen: 14.752 ng
RT: 15.357 min Scan# 2256
Delta R.T. -0.006 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Instrument :
BNA_F
ClientSampleId :
R-LA-4/2-WC

Tgt Ion:252 Resp: 275855
Ion Ratio Lower Upper
252 100
253 21.4 18.4 27.6
125 12.5 9.9 14.9



#92
Benzo(g,h,i)perylene
Concen: 5.138 ng
RT: 17.286 min Scan# 2584
Delta R.T. -0.012 min
Lab File: BF125898.D
Acq: 19 Oct 2021 14:11

Tgt Ion:276 Resp: 123559
Ion Ratio Lower Upper
276 100
277 23.3 22.0 33.0
138 25.1 22.2 33.4

