

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080921\
 Data File : BF125011.D
 Acq On : 9 Aug 2021 20:28
 Operator : JU/CG
 Sample : M3321-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT

Quant Time: Aug 10 04:45:48 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 09 11:03:44 2021
 Response via : Initial Calibration

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

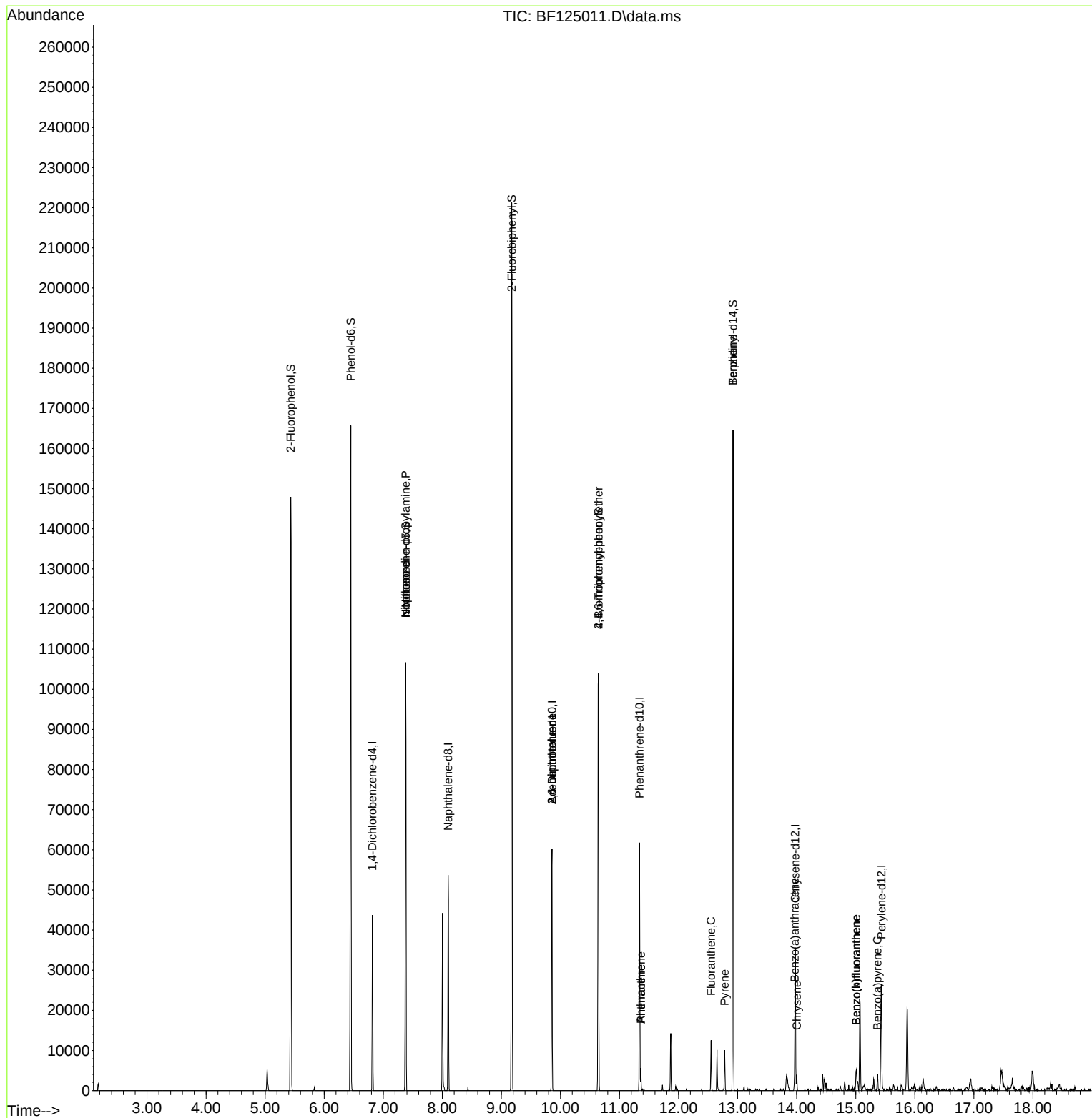
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	6416	20.00	ng	# 0.00
21) Naphthalene-d8	8.098	136	24294	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	12639	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	20675	20.00	ng	0.00
76) Chrysene-d12	13.974	240	12998	20.00	ng	-0.01
86) Perylene-d12	15.433	264	13015	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	40124	102.44	ng	0.00
7) Phenol-d6	6.451	99	49550	100.33	ng	0.00
23) Nitrobenzene-d5	7.380	82	32610	70.22	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	11549	102.28	ng	0.00
45) 2-Fluorobiphenyl	9.174	172	64490	74.66	ng	0.00
79) Terphenyl-d14	12.921	244	52100	67.61	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.380	70	4590	15.66	ng	# 64
25) Isophorone	7.380	82	32610	41.14	ng	# 59
51) 2,6-Dinitrotoluene	9.857	165	1595	8.36	ng	# 26
57) 2,4-Dinitrotoluene	9.857	165	1595	6.16	ng	# 18
67) 4-Bromophenyl-phenylether	10.645	248	813	3.59	ng	# 1
71) Phenanthrene	11.363	178	2555	2.28	ng	97
72) Anthracene	11.363	178	2555	2.27	ng	96
75) Fluoranthene	12.551	202	5214	4.49	ng	96
77) Benzidine	12.921	184	758	2.18	ng	# 69
78) Pyrene	12.780	202	4711	4.60	ng	97
81) Benzo(a)anthracene	13.968	228	2251	2.66	ng	# 95
83) Chrysene	14.004	228	2406	2.94	ng	# 82
88) Benzo(b)fluoranthene	15.009	252	4912	5.37	ng	# 94
89) Benzo(k)fluoranthene	15.009	252	4912	5.91	ng	# 90
90) Benzo(a)pyrene	15.368	252	2499	3.21	ng	# 82

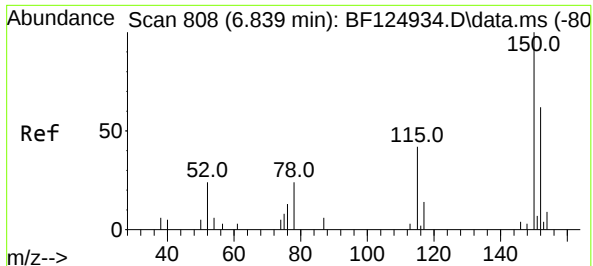
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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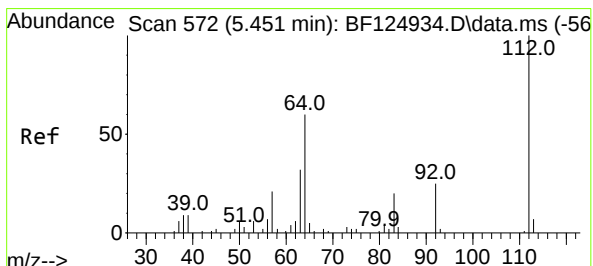
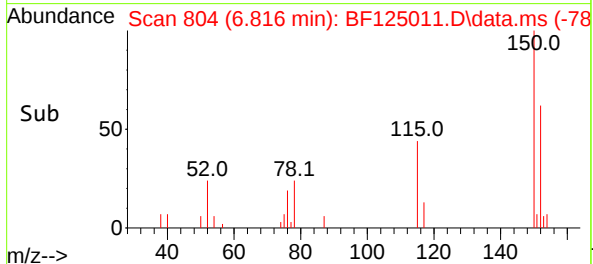
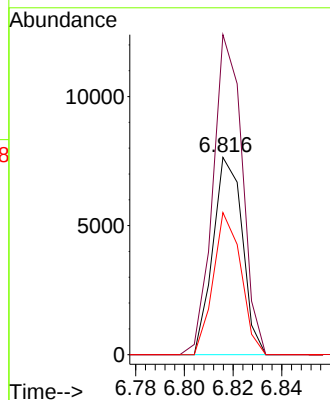
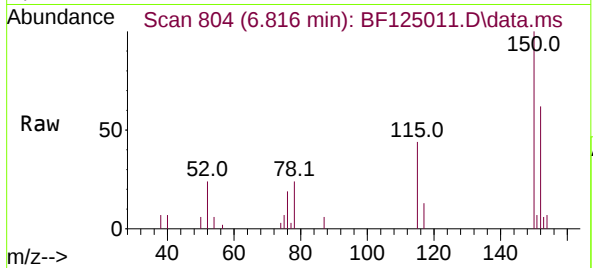




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

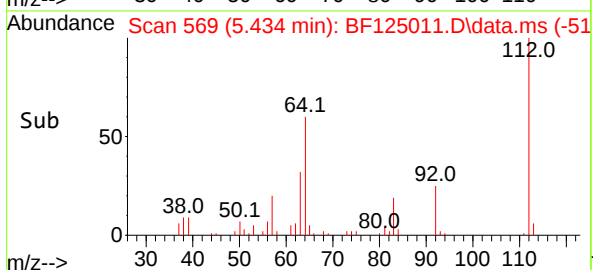
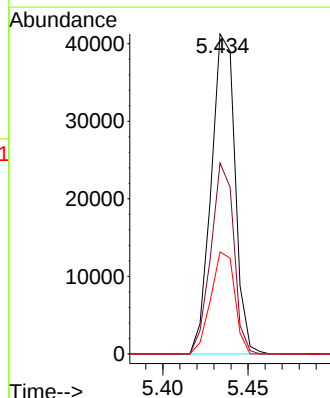
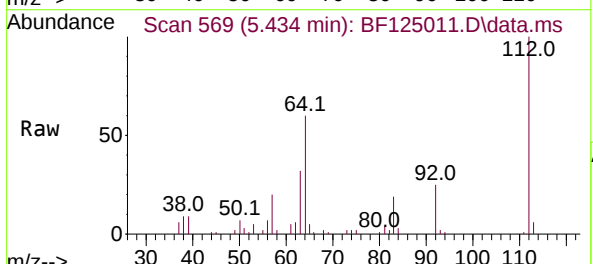
Instrument :
BNA_F
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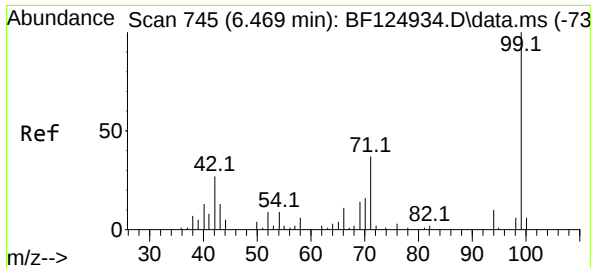
Tgt Ion:152 Resp: 6416
Ion Ratio Lower Upper
152 100
150 162.2 117.6 176.4
115 72.0 47.1 70.7#



#5
2-Fluorophenol
Concen: 102.44 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion:112 Resp: 40124
Ion Ratio Lower Upper
112 100
64 59.6 44.2 66.2
63 31.9 26.2 39.2

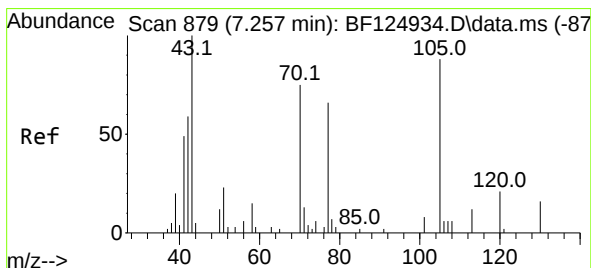
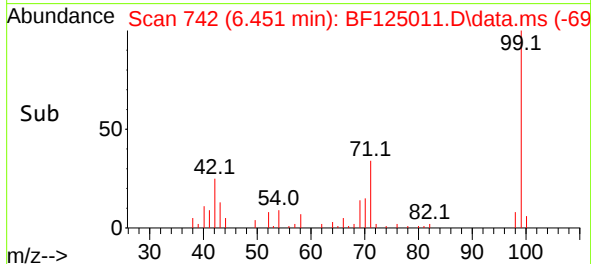
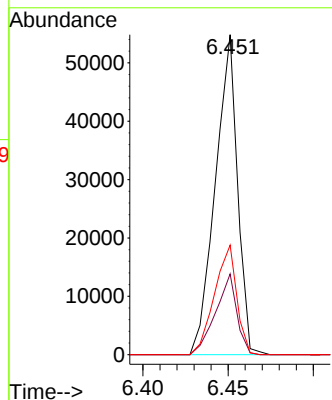
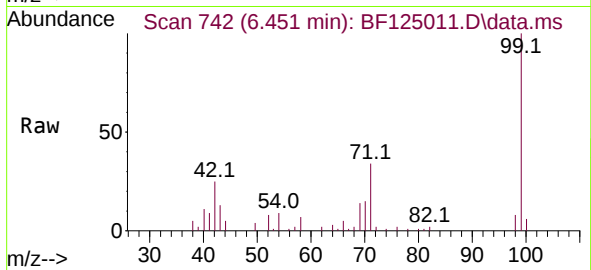




#7
Phenol-d6
Concen: 100.33 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

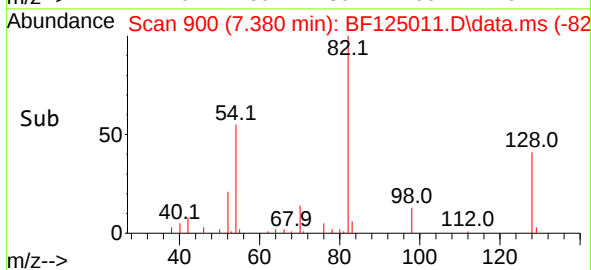
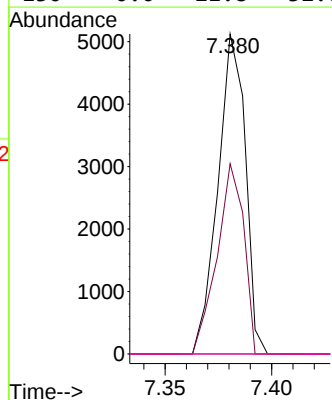
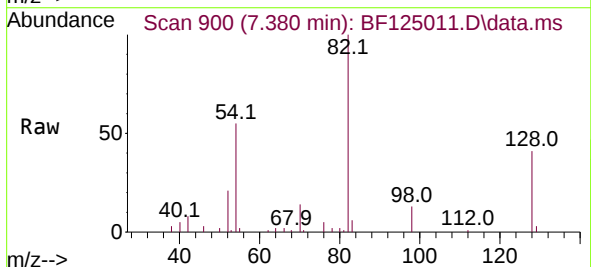
Instrument :
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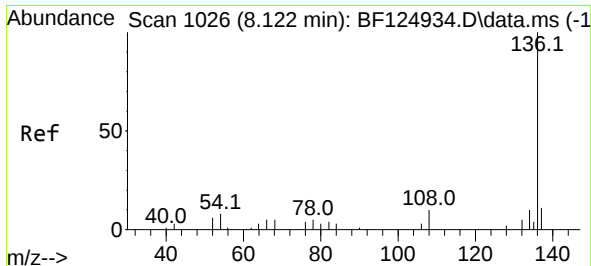
Tgt Ion: 99 Resp: 49550
Ion Ratio Lower Upper
99 100
42 25.2 23.5 35.3
71 34.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 15.66 ng
RT: 7.380 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion: 70 Resp: 4590
Ion Ratio Lower Upper
70 100
42 59.4 72.2 108.2#
101 0.0 7.8 11.8#
130 0.0 21.8 32.6#

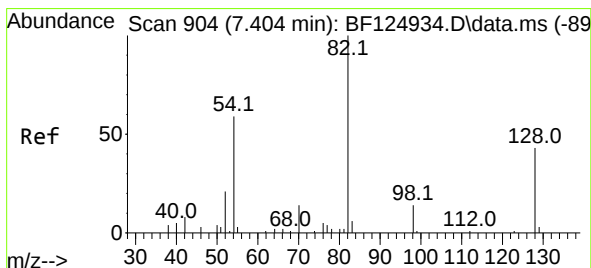
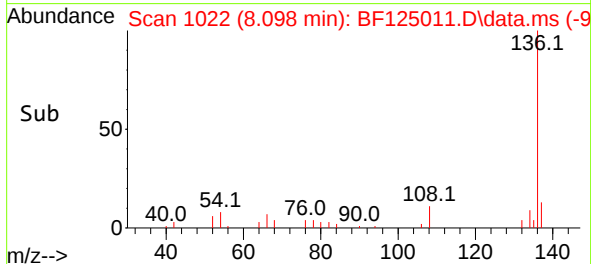
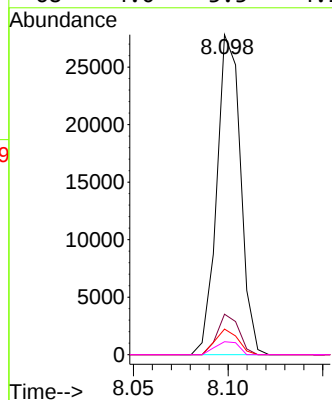
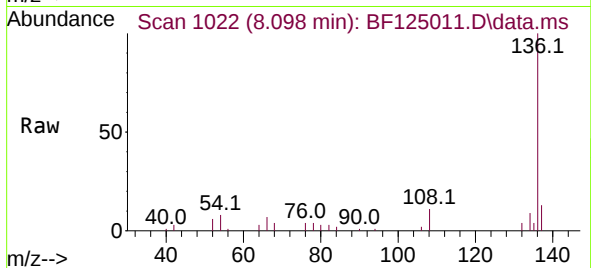




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

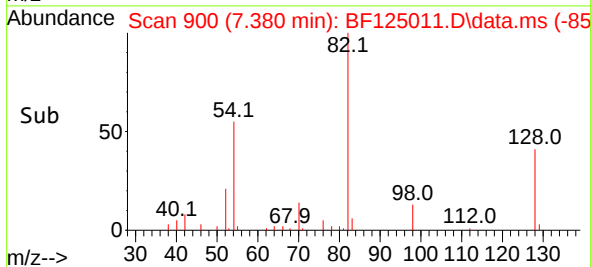
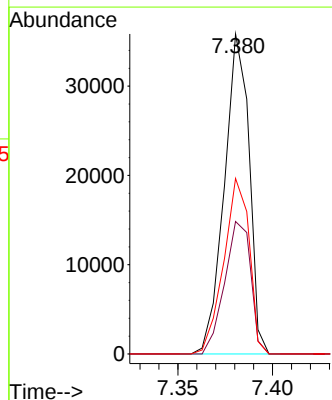
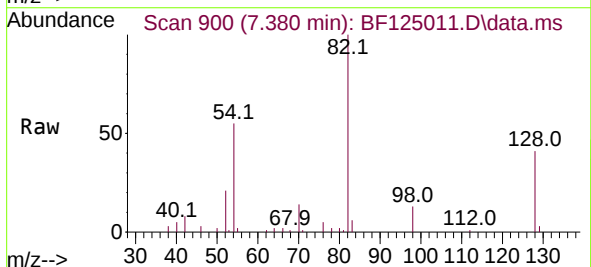
Instrument :
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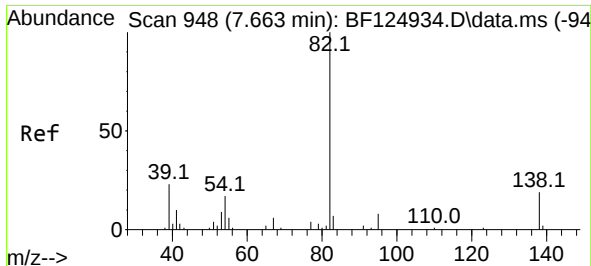
Tgt Ion:136	Resp:	24294
Ion Ratio	Lower	Upper
136	100	
137	12.7	9.8 14.6
54	8.0	6.4 9.6
68	4.0	3.3 4.9



#23
Nitrobenzene-d5
Concen: 70.22 ng
RT: 7.380 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion: 82	Resp:	32610
Ion Ratio	Lower	Upper
82	100	
128	41.4	40.6 60.8
54	54.9	49.6 74.4

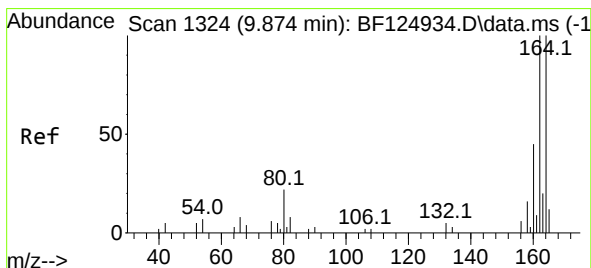
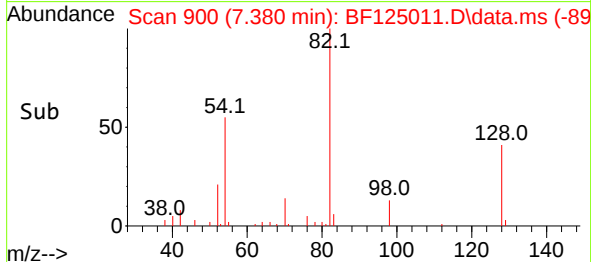
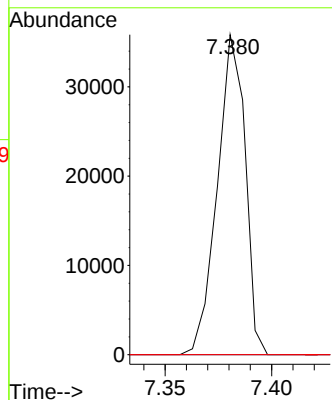
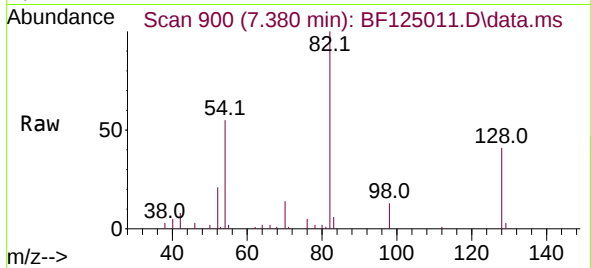




#25
Isophorone
Concen: 41.14 ng
RT: 7.380 min Scan# 900
Delta R.T. -0.265 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

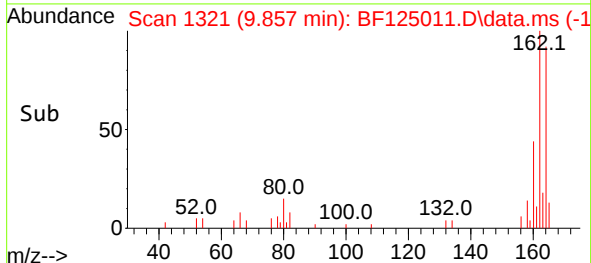
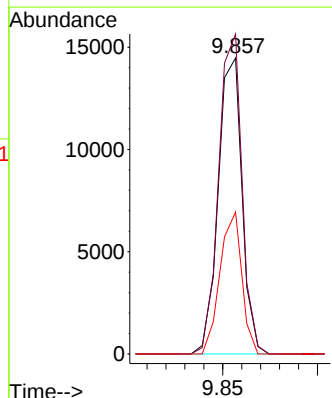
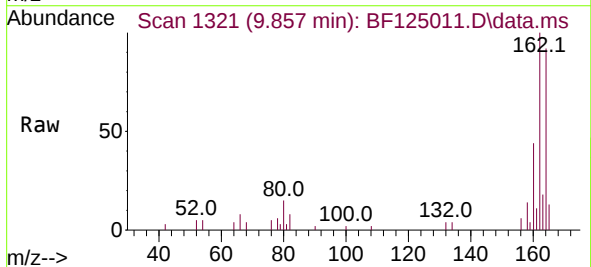
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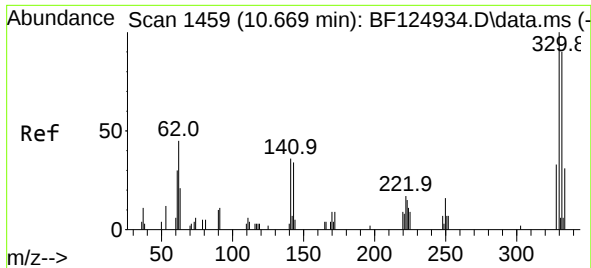
Tgt Ion: 82 Resp: 32610
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion:164 Resp: 12639
Ion Ratio Lower Upper
164 100
162 108.1 81.3 121.9
160 48.0 38.0 57.0

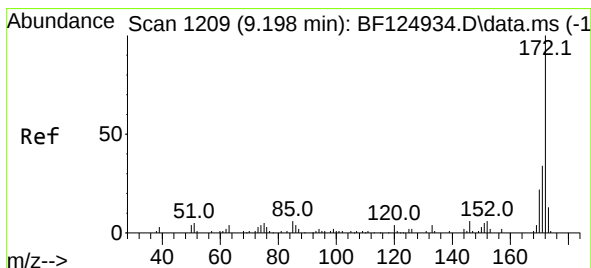
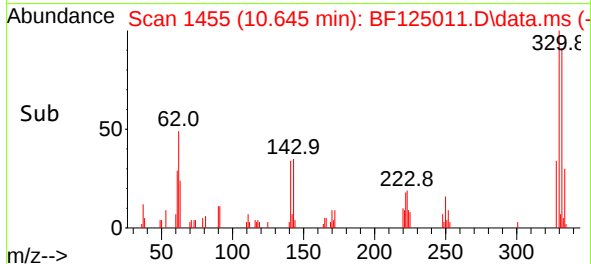
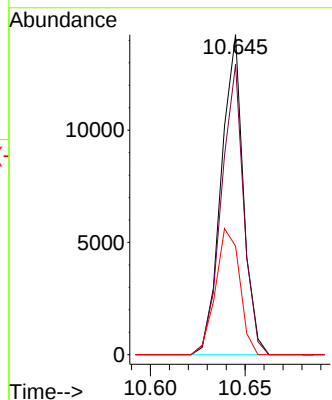
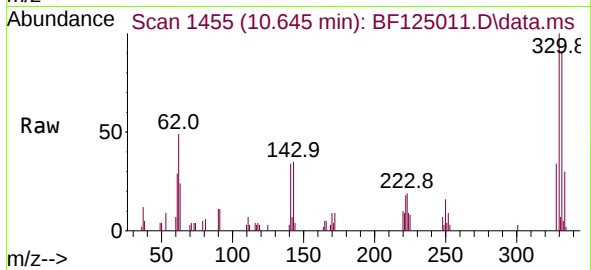




#42
2,4,6-Tribromophenol
Concen: 102.28 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

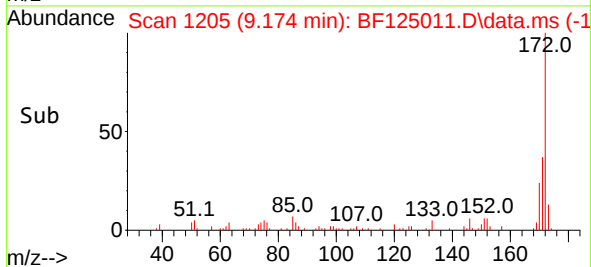
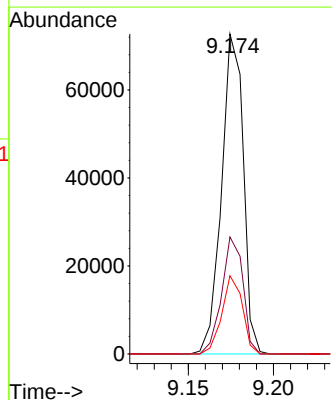
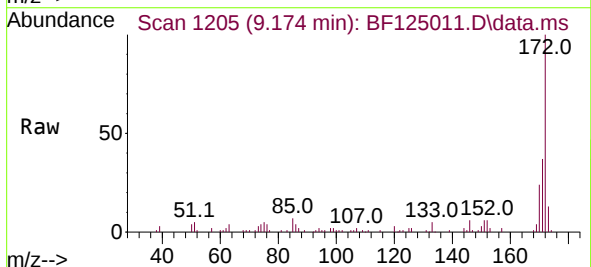
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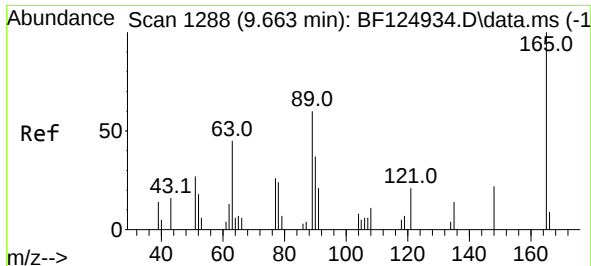
Tgt Ion:330 Resp: 11549
Ion Ratio Lower Upper
330 100
332 91.3 76.2 114.4
141 43.3 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 74.66 ng
RT: 9.174 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion:172 Resp: 64490
Ion Ratio Lower Upper
172 100
171 36.6 26.5 39.7
170 24.5 18.8 28.2

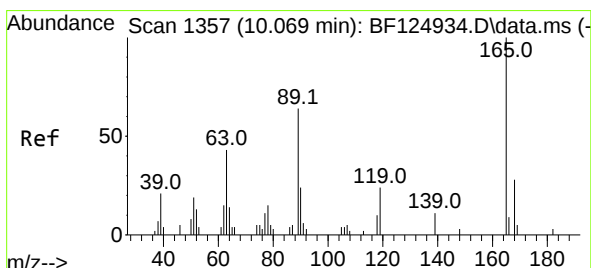
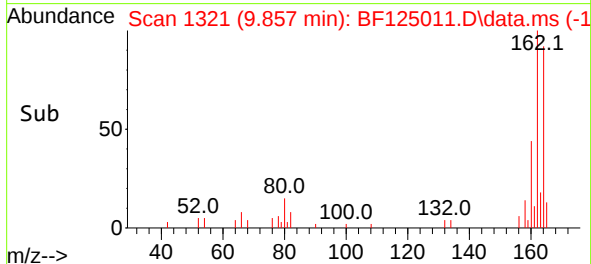
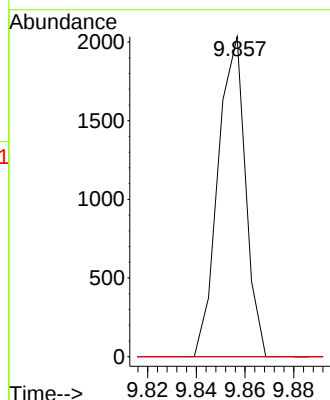
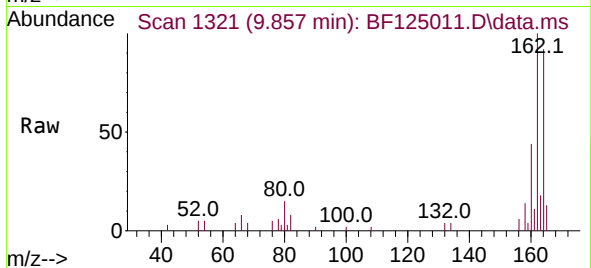




#51
2,6-Dinitrotoluene
Concen: 8.36 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

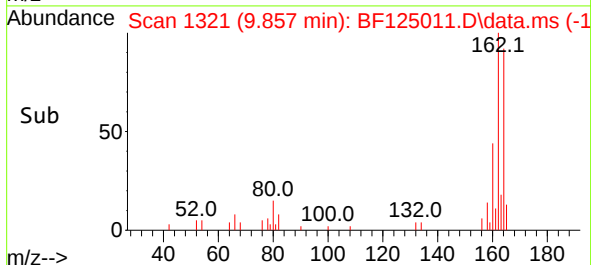
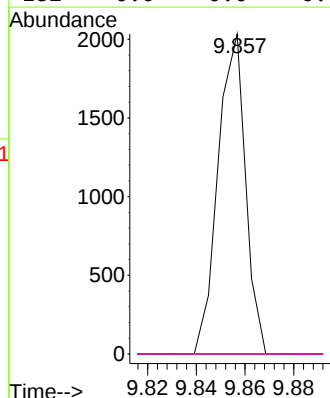
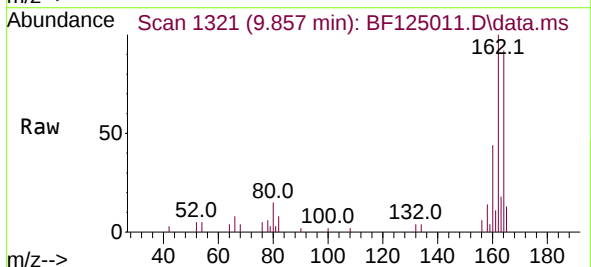
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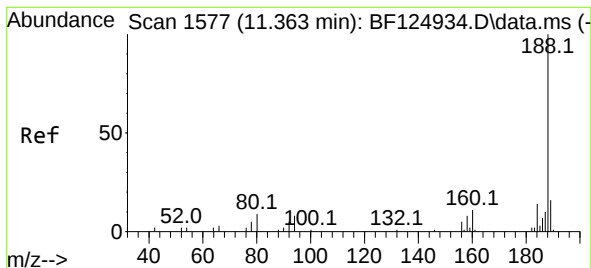
Tgt Ion:165 Resp: 1595
Ion Ratio Lower Upper
165 100
63 0.0 42.6 63.8#
89 0.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 6.16 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion:165 Resp: 1595
Ion Ratio Lower Upper
165 100
63 0.0 40.9 61.3#
89 0.0 59.7 89.5#
182 0.0 0.0 0.0

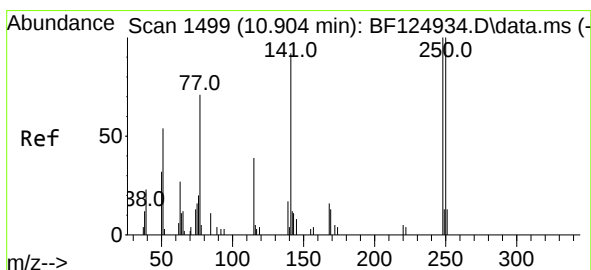
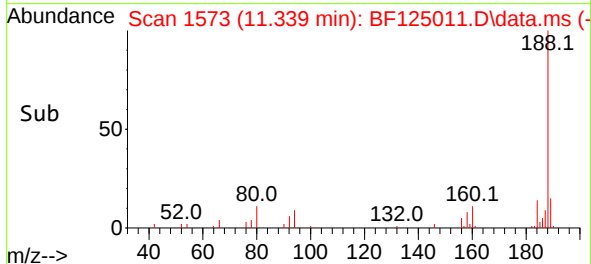
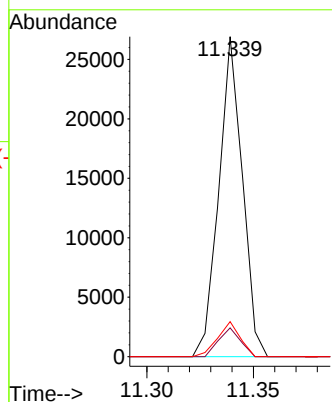
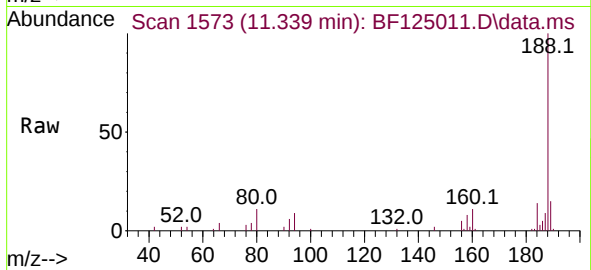




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

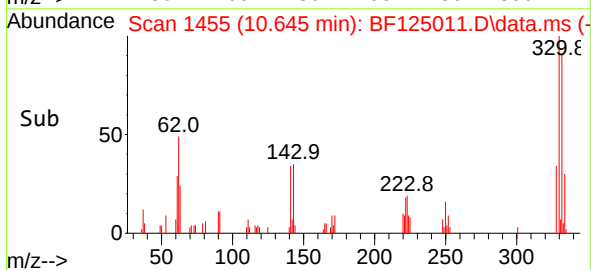
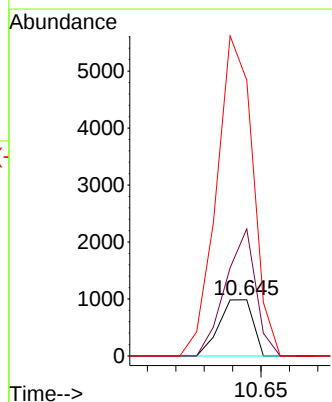
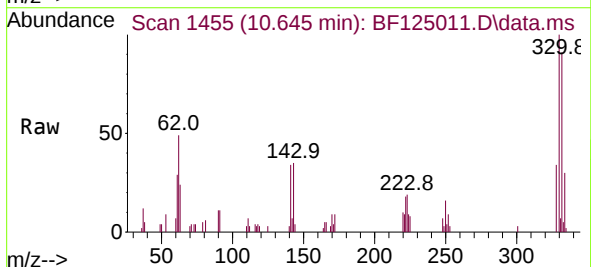
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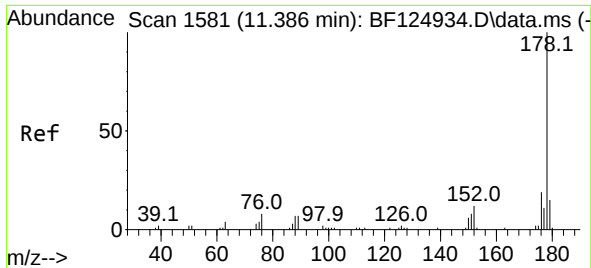
Tgt Ion:188 Resp: 20675
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 11.0 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.59 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.241 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion:248 Resp: 813
Ion Ratio Lower Upper
248 100
250 226.1 74.2 111.4#
141 491.0 60.4 90.6#

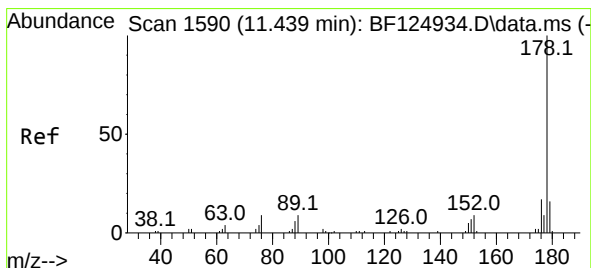
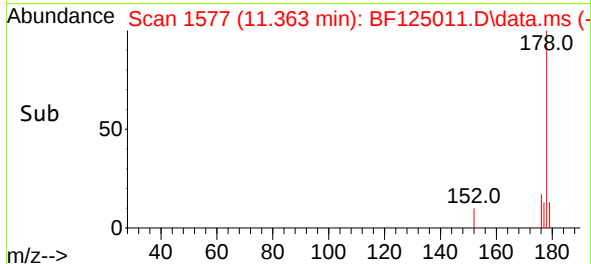
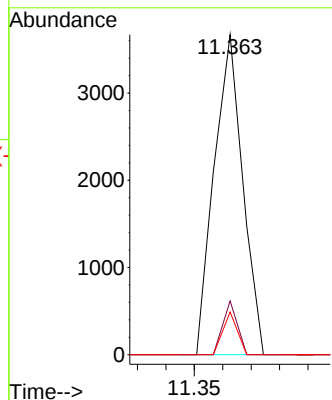
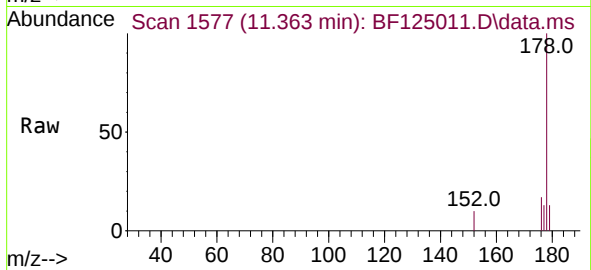




#71
Phenanthrene
Concen: 2.28 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

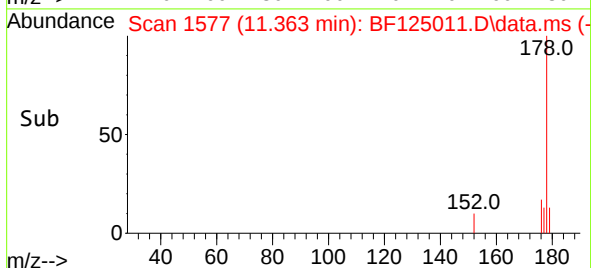
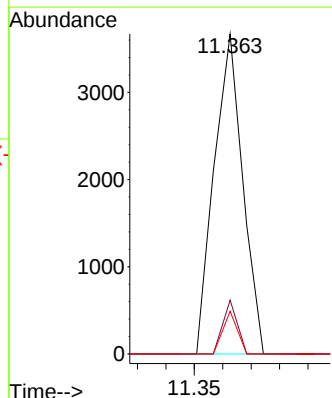
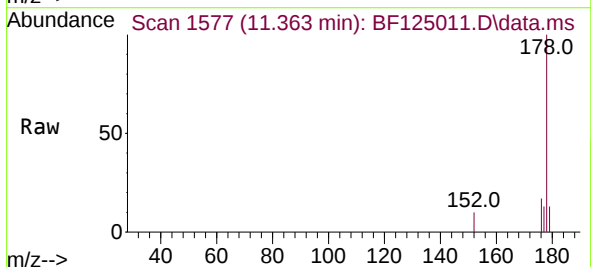
Instrument :
BNA_F
ClientSampleId :
CARLSTADT

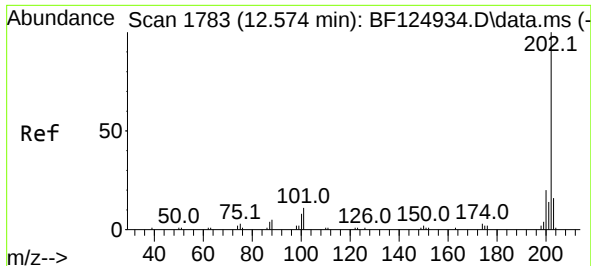
Tgt Ion:178 Resp: 2555
Ion Ratio Lower Upper
178 100
176 16.8 14.7 22.1
179 13.4 11.5 17.3



#72
Anthracene
Concen: 2.27 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.059 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion:178 Resp: 2555
Ion Ratio Lower Upper
178 100
176 16.8 14.3 21.5
179 13.4 12.2 18.4

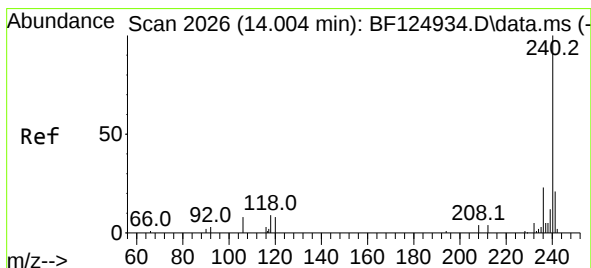
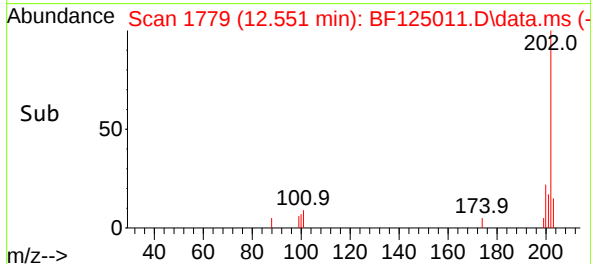
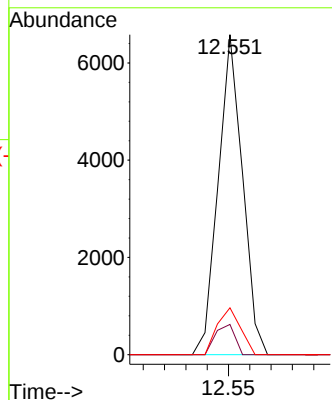
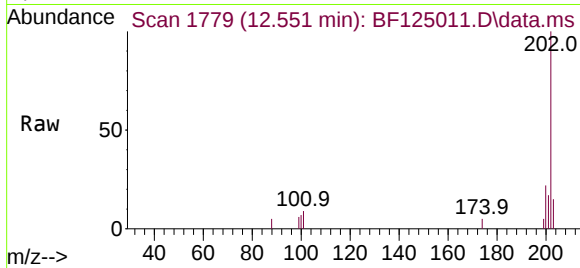




#75
Fluoranthene
Concen: 4.49 ng
RT: 12.551 min Scan# 1779
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

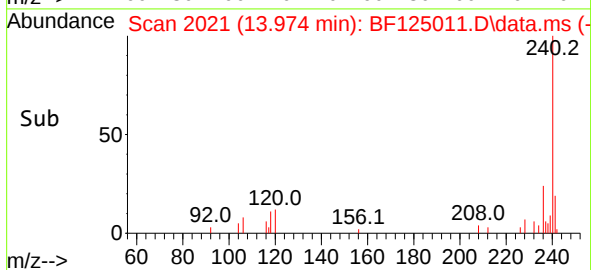
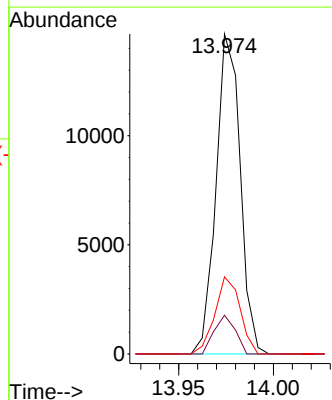
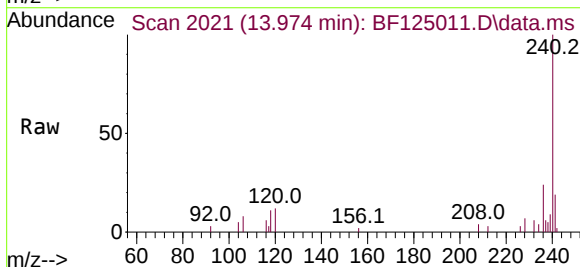
Instrument :
BNA_F
ClientSampleId :
CARLSTADT

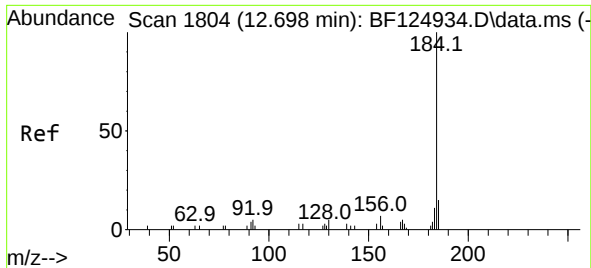
Tgt Ion:202	Resp:	5214
Ion Ratio	Lower	Upper
202	100	
101	9.4	0.0 30.7
203	14.7	0.0 36.3



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion:240	Resp:	12998
Ion Ratio	Lower	Upper
240	100	
120	12.1	10.8 16.2
236	24.1	21.6 32.4

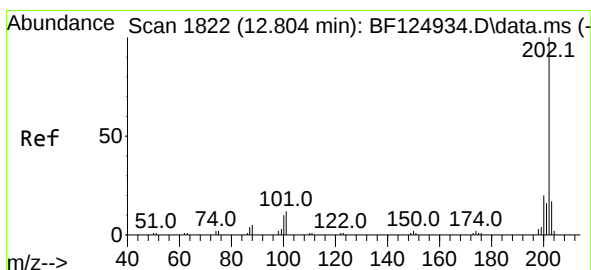
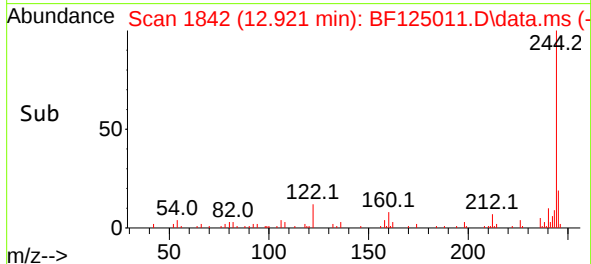
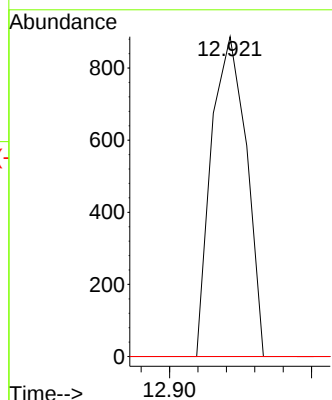
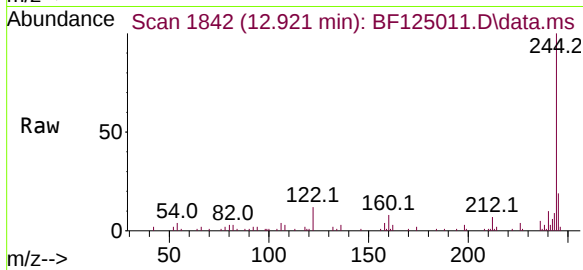




#77
Benzidine
Concen: 2.18 ng
RT: 12.921 min Scan# 1842
Delta R.T. 0.241 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

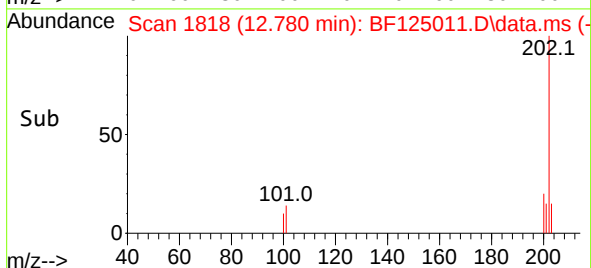
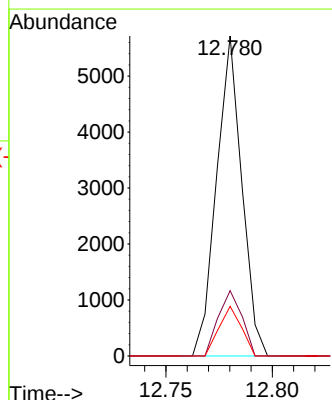
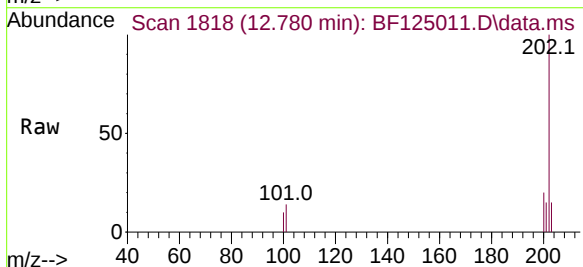
Instrument :
BNA_F
ClientSampleId :
CARLSTADT

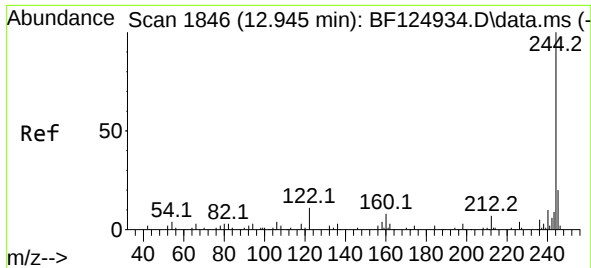
Tgt Ion:184 Resp: 758
Ion Ratio Lower Upper
184 100
185 0.0 10.8 16.2#
183 0.0 8.1 12.1#



#78
Pyrene
Concen: 4.60 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion:202 Resp: 4711
Ion Ratio Lower Upper
202 100
200 20.4 15.3 22.9
203 15.5 13.4 20.0

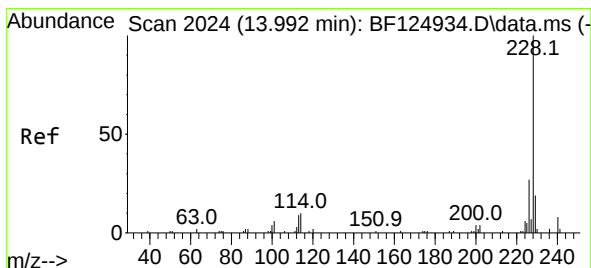
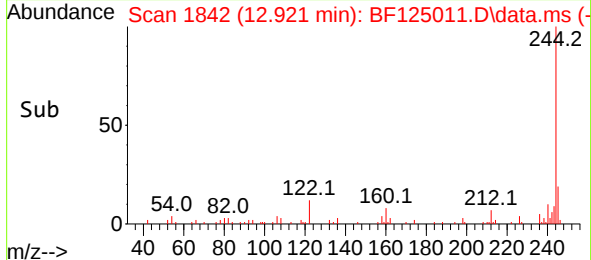
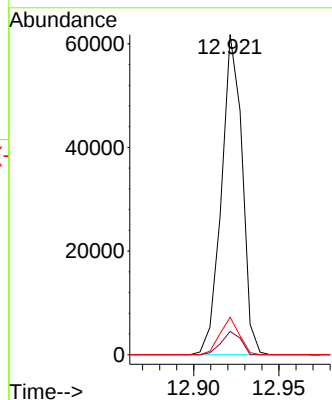
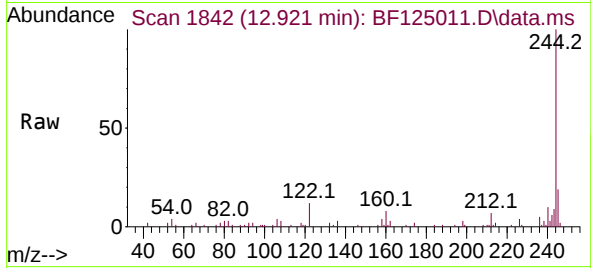




#79
 Terphenyl-d14
 Concen: 67.61 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. -0.006 min
 Lab File: BF125011.D
 Acq: 9 Aug 2021 20:28

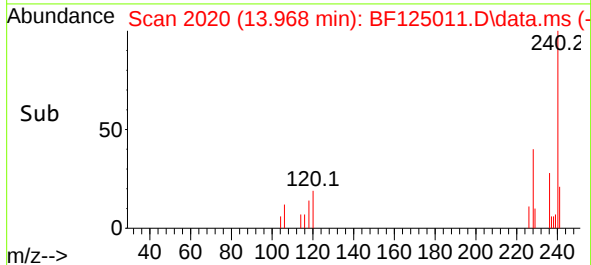
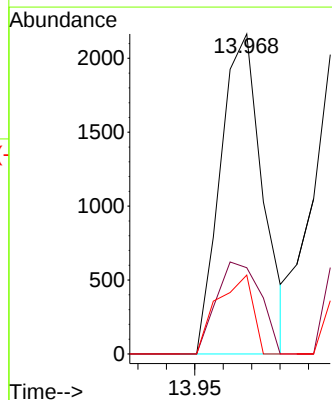
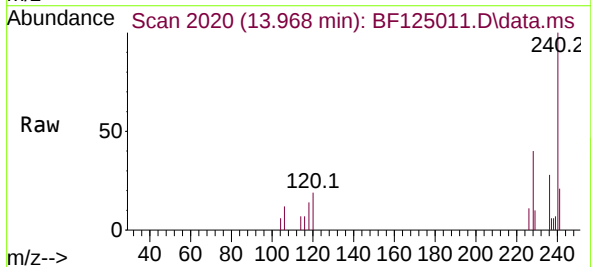
Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT

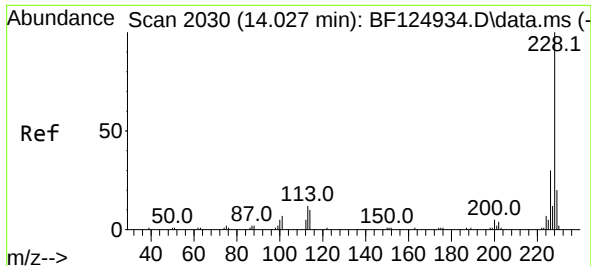
Tgt Ion:244 Resp: 52100
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.9 8.9
 122 11.7 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.66 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. -0.006 min
 Lab File: BF125011.D
 Acq: 9 Aug 2021 20:28

Tgt Ion:228 Resp: 2251
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.6 32.4
 229 24.7 15.6 23.4#

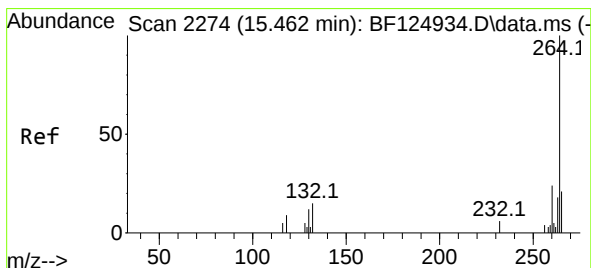
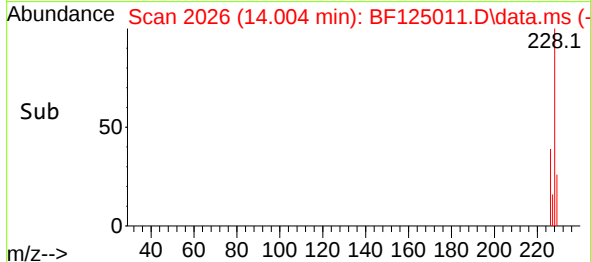
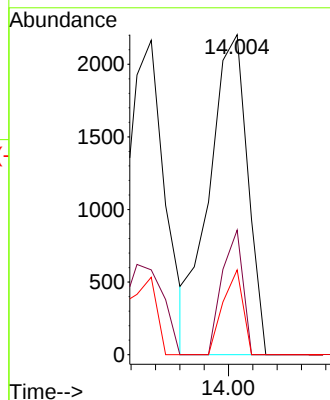
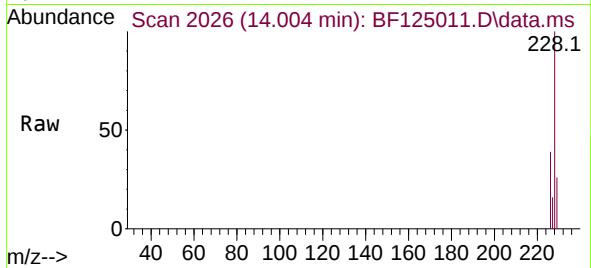




#83
Chrysene
Concen: 2.94 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

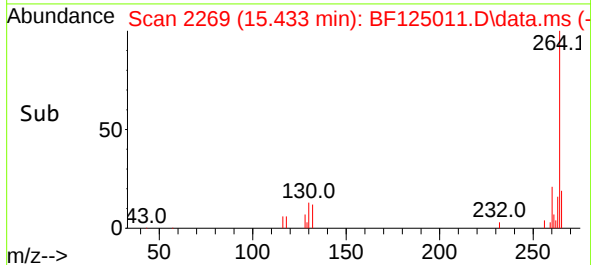
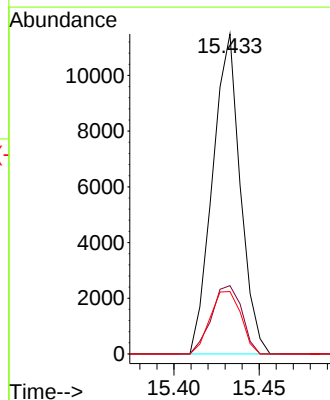
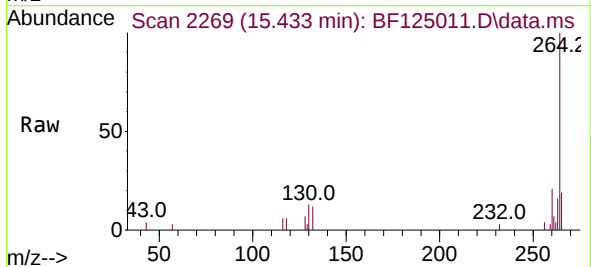
Instrument :
BNA_F
ClientSampleId :
CARLSTADT

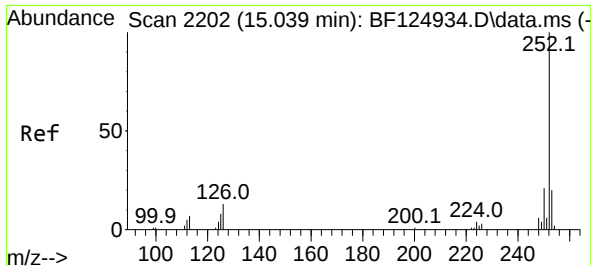
Tgt Ion:228 Resp: 2406
Ion Ratio Lower Upper
228 100
226 39.0 22.6 34.0#
229 26.5 15.9 23.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion:264 Resp: 13015
Ion Ratio Lower Upper
264 100
260 21.3 19.6 29.4
265 19.5 17.2 25.8

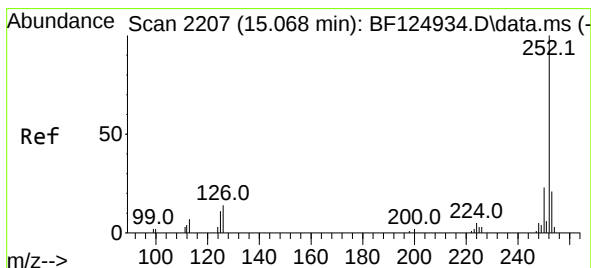
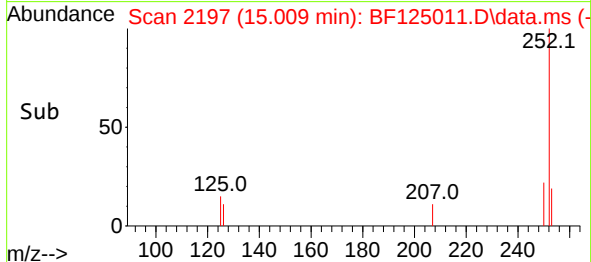
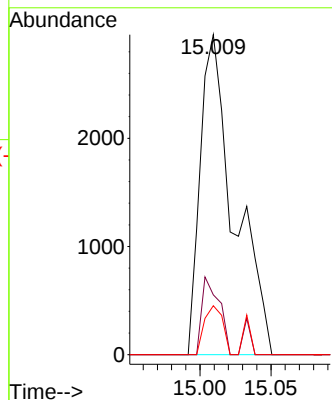
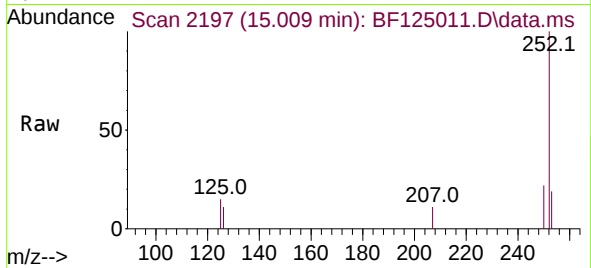




#88
Benzo(b)fluoranthene
Concen: 5.37 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

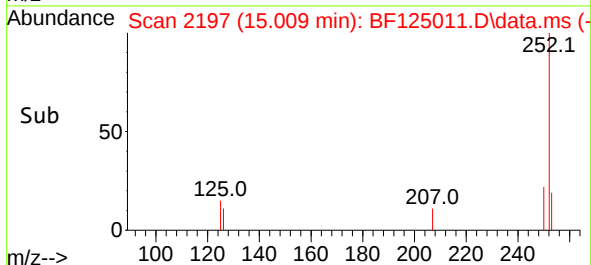
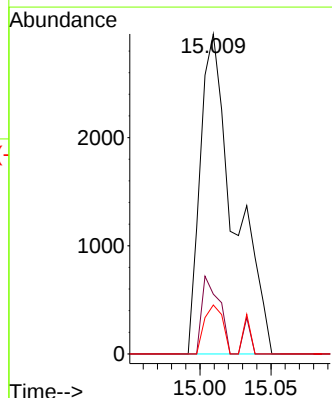
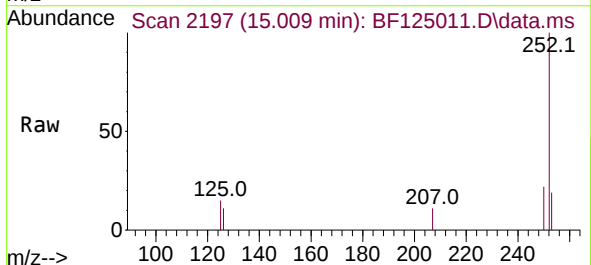
Instrument :
BNA_F
ClientSampleId :
CARLSTADT

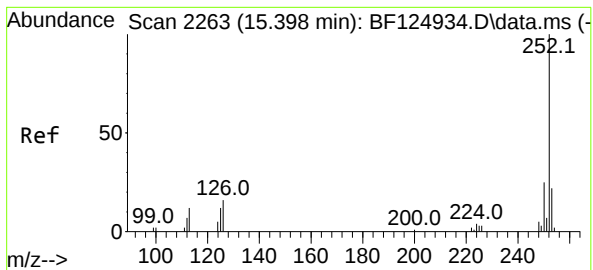
Tgt Ion:252 Resp: 4912
Ion Ratio Lower Upper
252 100
253 18.7 16.8 25.2
125 15.3 9.8 14.8#



#89
Benzo(k)fluoranthene
Concen: 5.91 ng
RT: 15.009 min Scan# 2197
Delta R.T. -0.035 min
Lab File: BF125011.D
Acq: 9 Aug 2021 20:28

Tgt Ion:252 Resp: 4912
Ion Ratio Lower Upper
252 100
253 18.7 17.8 26.8
125 15.3 7.2 10.8#





#90
 Benzo(a)pyrene
 Concen: 3.21 ng
 RT: 15.368 min Scan# 2258
 Delta R.T. -0.006 min
 Lab File: BF125011.D
 Acq: 9 Aug 2021 20:28

Instrument :
 BNA_F
 ClientSampleId :
 CARLSTADT

Tgt Ion:252 Resp: 2499
 Ion Ratio Lower Upper
 252 100
 253 17.7 18.4 27.6#
 125 0.0 9.9 14.9#

