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 Data File : BF125830.D
 Acq On : 13 Oct 2021 16:52
 Operator : JU/CG
 Sample : M4161-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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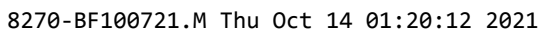
Quant Time: Oct 14 01:20:07 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 13 13:23:32 2021
 Response via : Initial Calibration

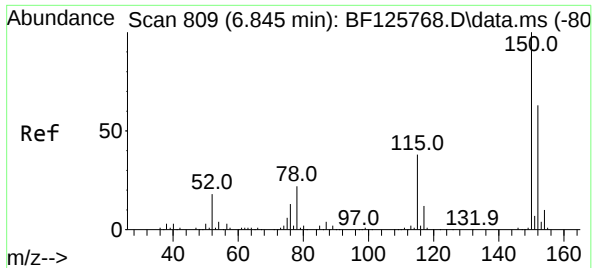
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	204461	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	790701	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	366073	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	530988	20.000	ng	# 0.00
76) Chrysene-d12	13.998	240	397324	20.000	ng	0.00
86) Perylene-d12	15.451	264	296963	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1307124	104.438	ng	0.00
7) Phenol-d6	6.469	99	1597678	99.161	ng	0.00
23) Nitrobenzene-d5	7.404	82	943390	74.164	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	342075	94.646	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	1594159	75.112	ng	0.00
79) Terphenyl-d14	12.945	244	1271481	48.746	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	120930	14.218	ng	# 50
25) Isophorone	7.404	82	940558	41.736	ng	# 59
51) 2,6-Dinitrotoluene	9.875	165	45531	9.347	ng	# 28
57) 2,4-Dinitrotoluene	9.875	165	45531	7.393	ng	# 20
67) 4-Bromophenyl-phenylether	10.663	248	19276	3.278	ng	# 1
75) Fluoranthene	12.569	202	116634	4.550	ng	99
78) Pyrene	12.798	202	103128	2.555	ng	99
81) Benzo(a)anthracene	13.986	228	66311	2.572	ng	96
83) Chrysene	14.021	228	80226	3.149	ng	98
88) Benzo(b)fluoranthene	15.027	252	128542	7.667	ng	# 92
89) Benzo(k)fluoranthene	15.027	252	128542	7.468	ng	# 92
90) Benzo(a)pyrene	15.386	252	52658	3.547	ng	# 94

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

Quant Time: Oct 14 01:20:07 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 13 13:23:32 2021
Response via : Initial Calibration

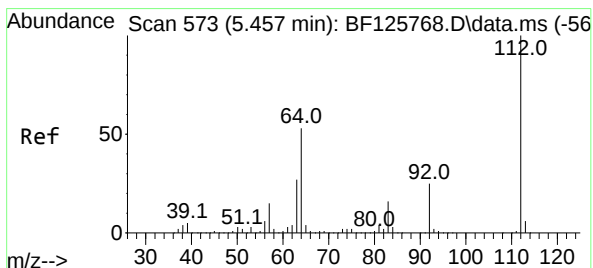
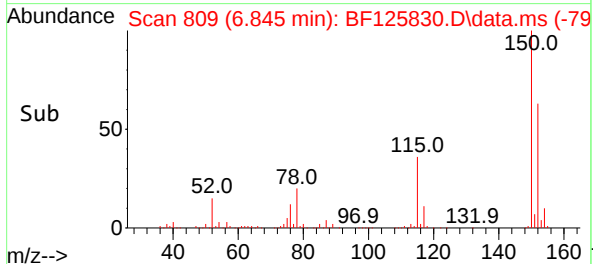
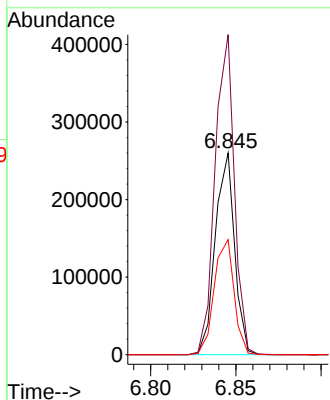
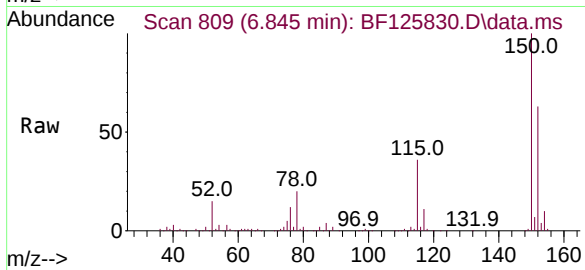




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

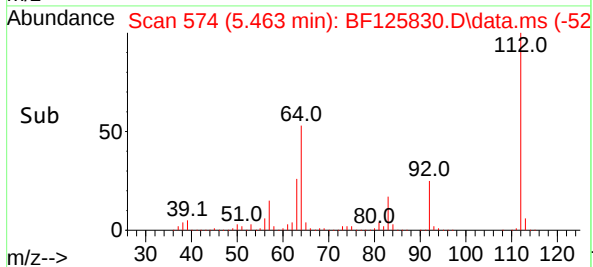
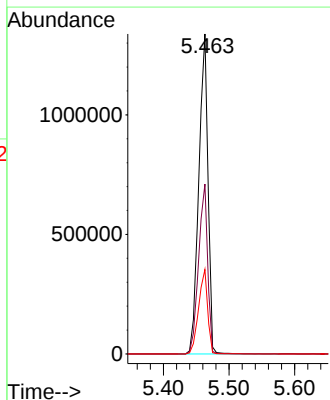
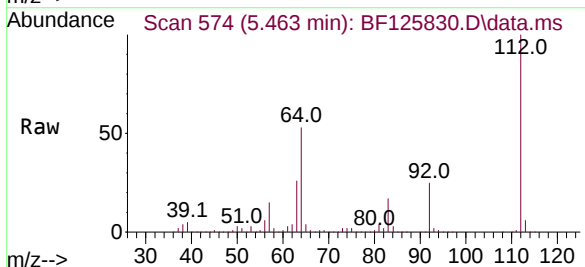
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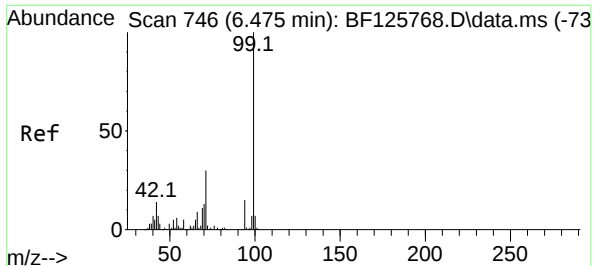
Tgt Ion:152 Resp: 204461
Ion Ratio Lower Upper
152 100
150 158.8 117.6 176.4
115 57.1 47.1 70.7



#5
2-Fluorophenol
Concen: 104.438 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:112 Resp: 1307124
Ion Ratio Lower Upper
112 100
64 53.1 44.2 66.2
63 26.4 26.2 39.2

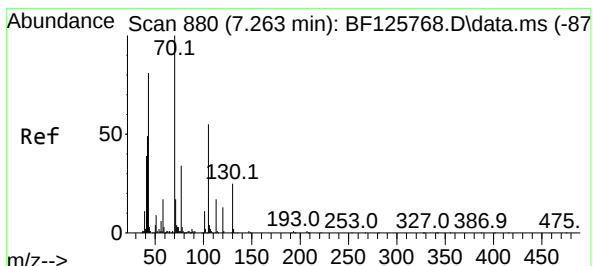
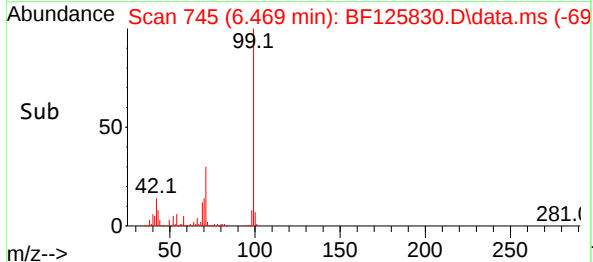
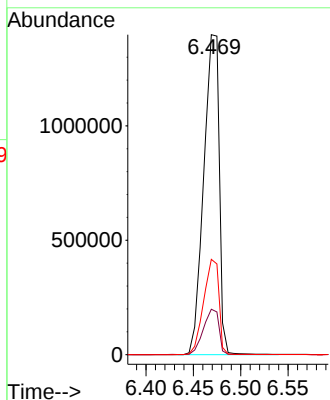
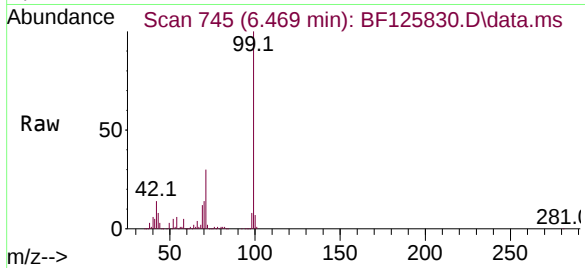




#7
Phenol-d6
Concen: 99.161 ng
RT: 6.469 min Scan# 745
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

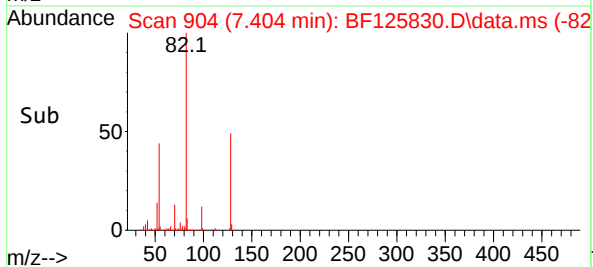
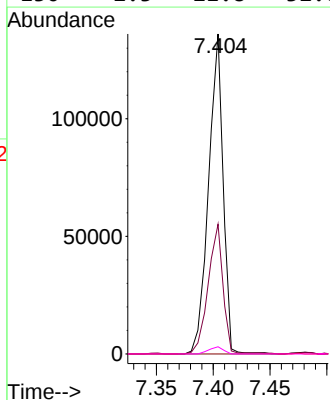
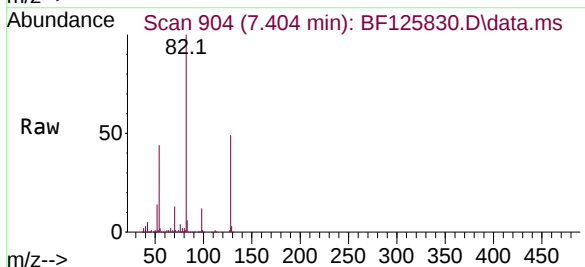
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BNA_F
ClientSampleId :
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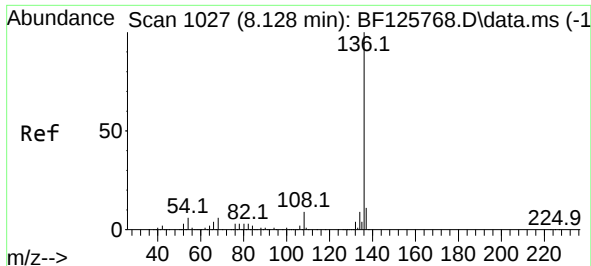
Tgt Ion: 99 Resp: 1597678
Ion Ratio Lower Upper
99 100
42 14.2 23.5 35.3#
71 29.8 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.218 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.141 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion: 70 Resp: 120930
Ion Ratio Lower Upper
70 100
42 40.5 72.2 108.2#
101 0.0 7.8 11.8#
130 2.3 21.8 32.6#

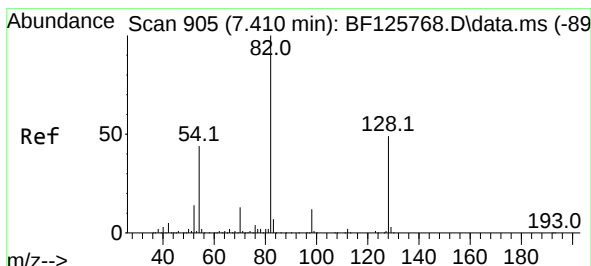
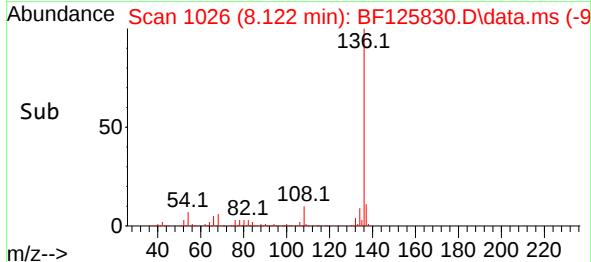
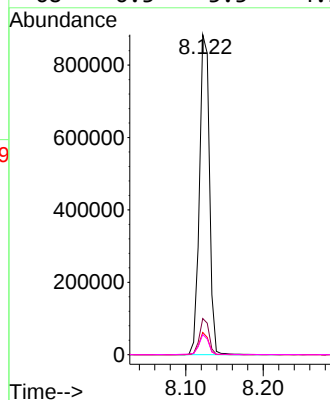
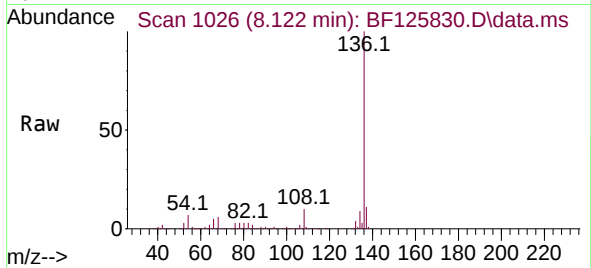




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

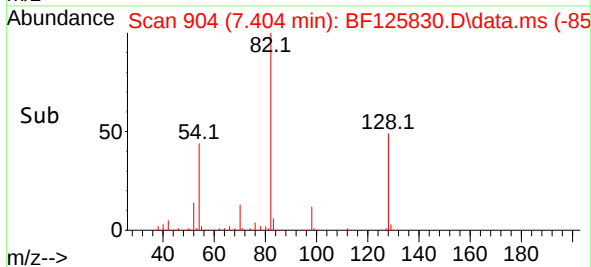
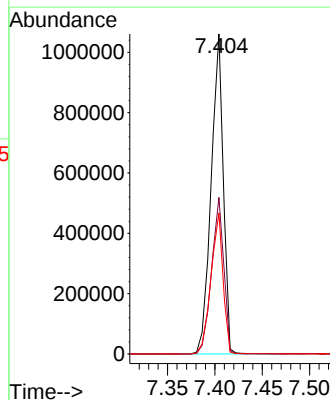
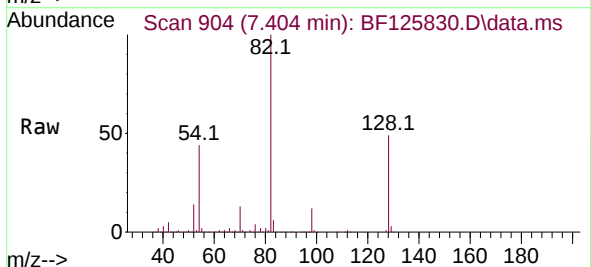
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ClientSampled :
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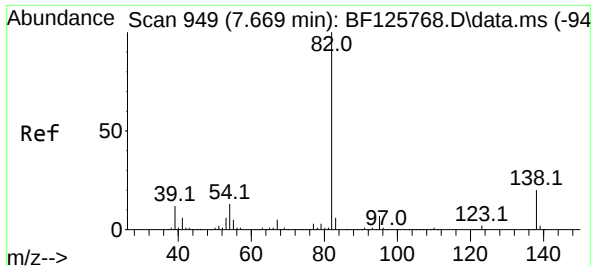
Tgt Ion:136	Resp: 790701
Ion Ratio	Lower Upper
136 100	
137 11.3	9.8 14.6
54 7.0	6.4 9.6
68 6.3	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 74.164 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion: 82	Resp: 943390
Ion Ratio	Lower Upper
82 100	
128 48.9	40.6 60.8
54 44.0	49.6 74.4#

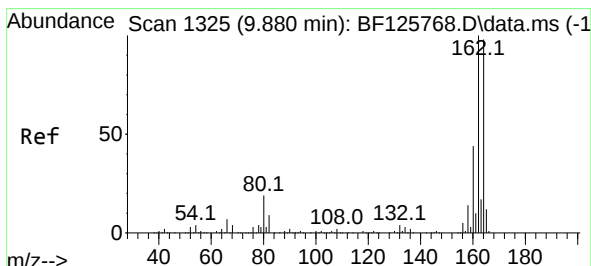
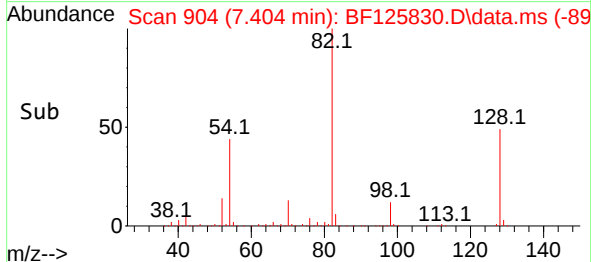
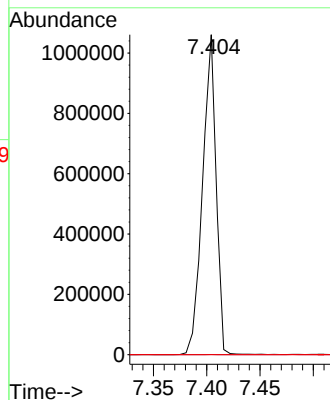
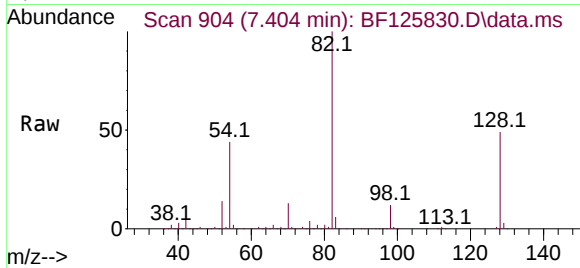




#25
Isophorone
Concen: 41.736 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.265 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

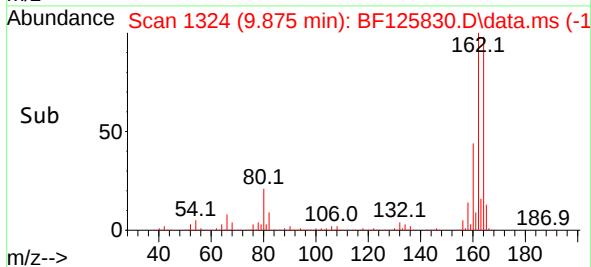
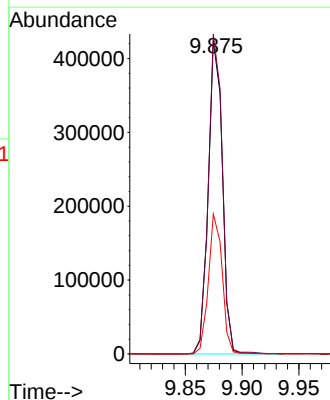
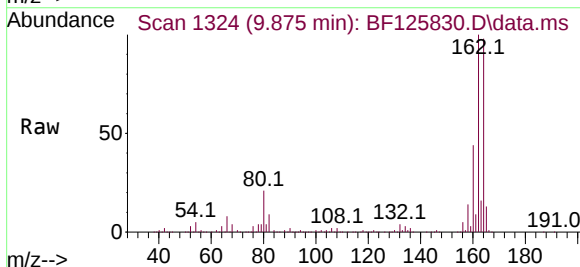
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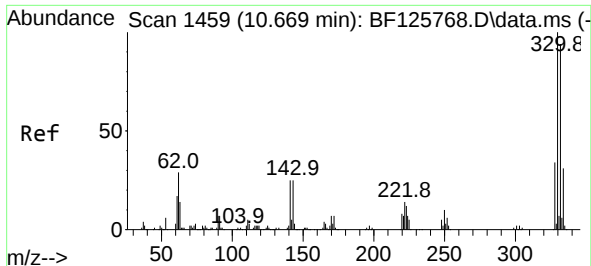
Tgt Ion: 82 Resp: 940558
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:164 Resp: 366073
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 44.7 38.0 57.0

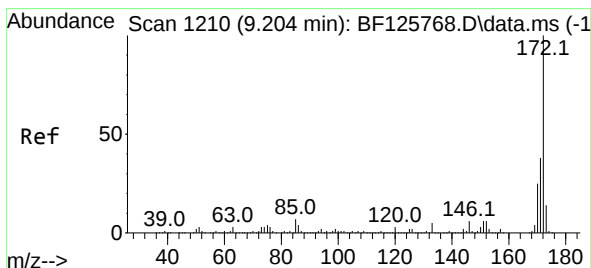
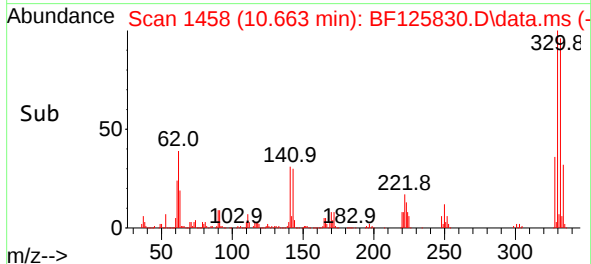
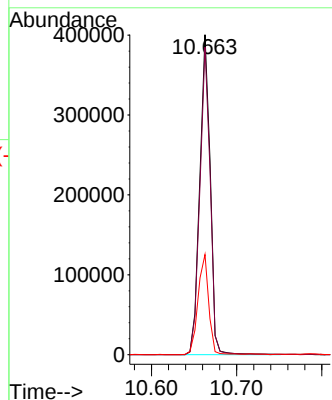
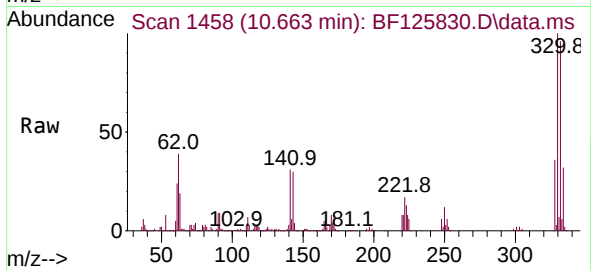




#42
2,4,6-Tribromophenol
Concen: 94.646 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

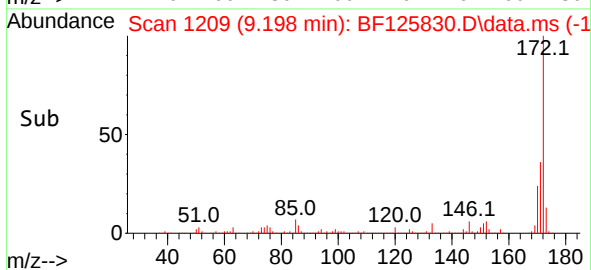
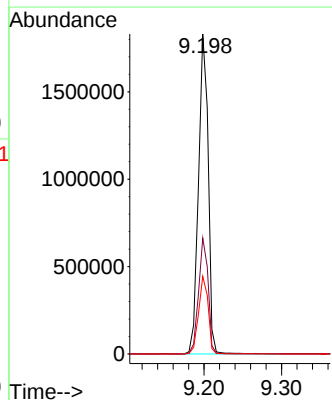
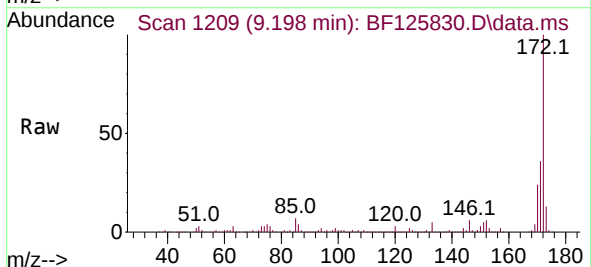
Instrument :
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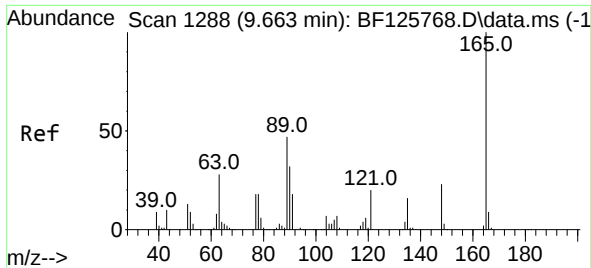
Tgt Ion: 330 Resp: 342075
Ion Ratio Lower Upper
330 100
332 95.0 76.2 114.4
141 32.0 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 75.112 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion: 172 Resp: 1594159
Ion Ratio Lower Upper
172 100
171 36.3 26.5 39.7
170 24.3 18.8 28.2

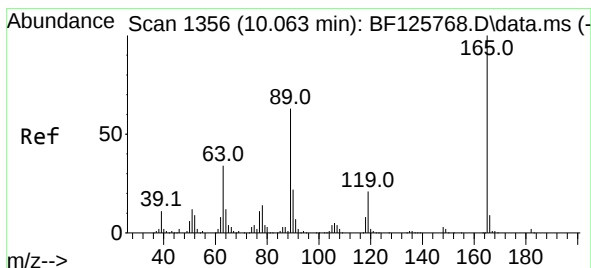
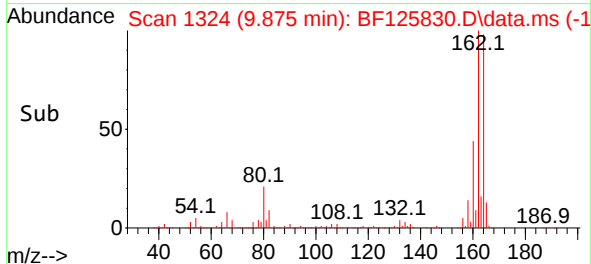
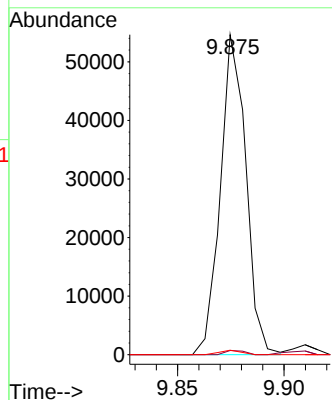
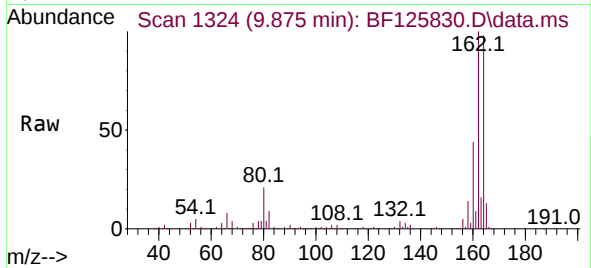




#51
2,6-Dinitrotoluene
Concen: 9.347 ng
RT: 9.875 min Scan# 1324
Delta R.T. 0.212 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

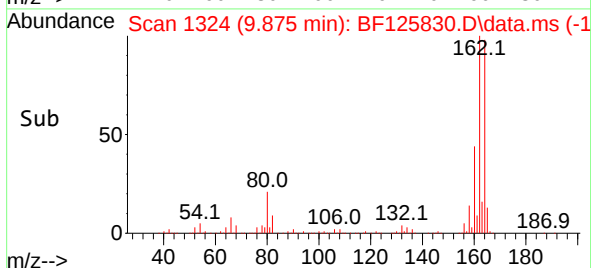
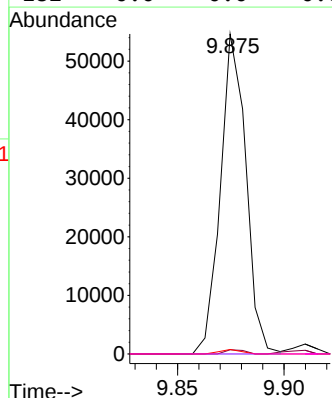
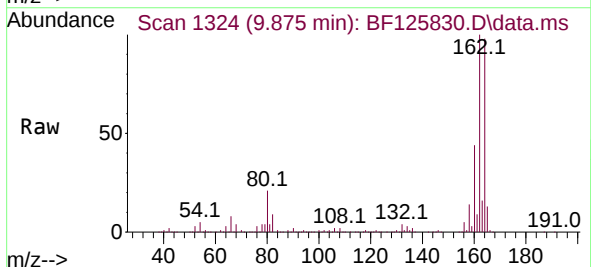
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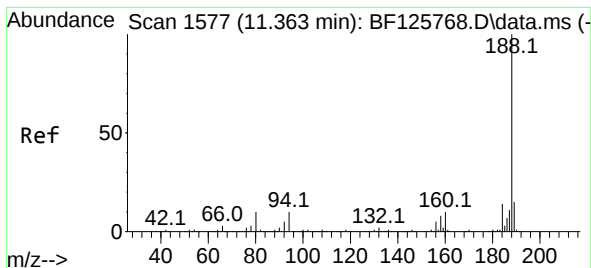
Tgt Ion:165 Resp: 45531
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.4 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 7.393 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:165 Resp: 45531
Ion Ratio Lower Upper
165 100
63 1.3 40.9 61.3#
89 1.4 59.7 89.5#
182 0.0 0.0 0.0

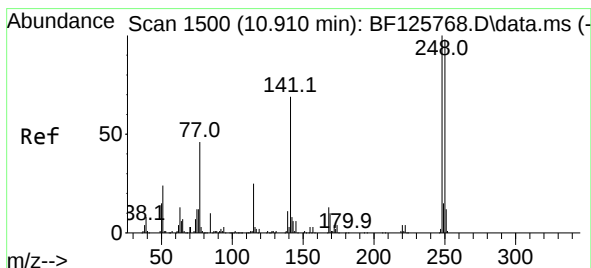
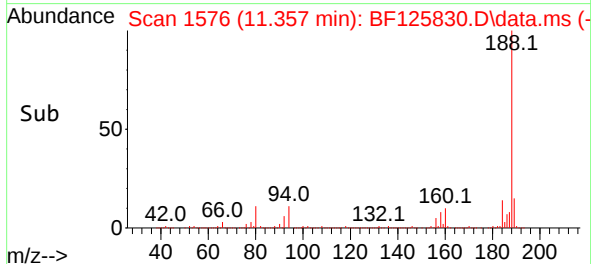
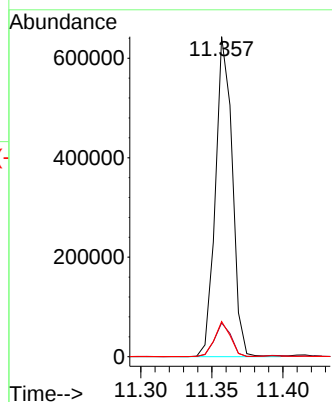
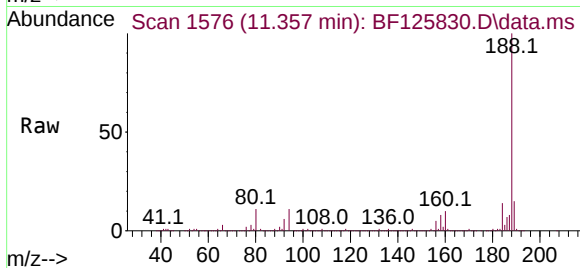




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

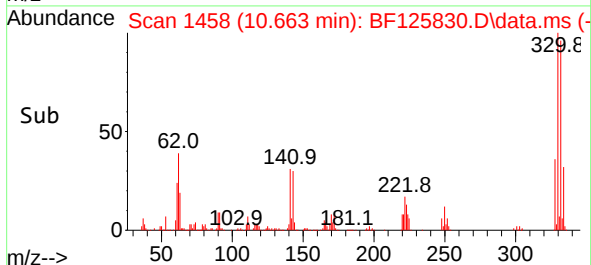
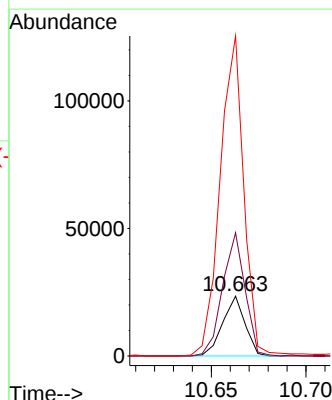
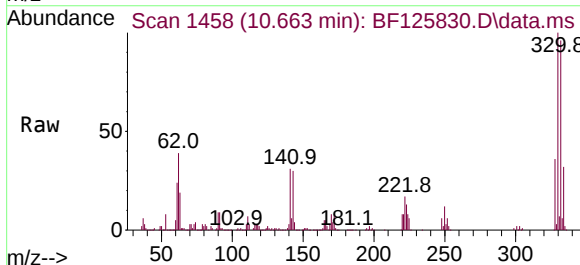
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ClientSampled :
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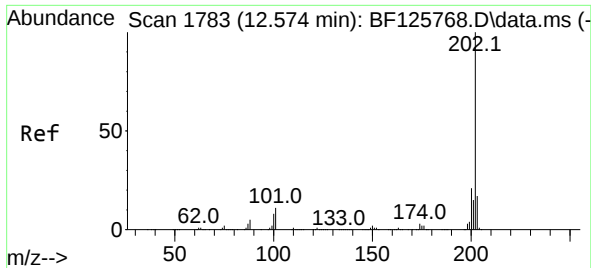
Tgt Ion:188 Resp: 530988
Ion Ratio Lower Upper
188 100
94 10.6 6.7 10.1#
80 11.0 7.5 11.3



#67
4-Bromophenyl-phenylether
Concen: 3.278 ng
RT: 10.663 min Scan# 1458
Delta R.T. -0.247 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:248 Resp: 19276
Ion Ratio Lower Upper
248 100
250 205.8 74.2 111.4#
141 534.6 60.4 90.6#

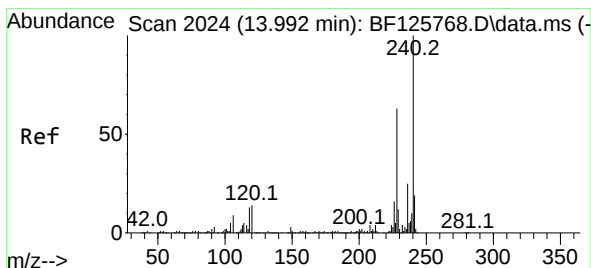
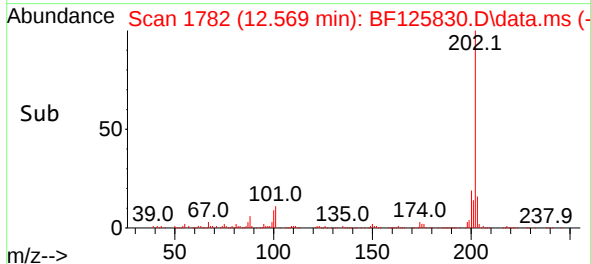
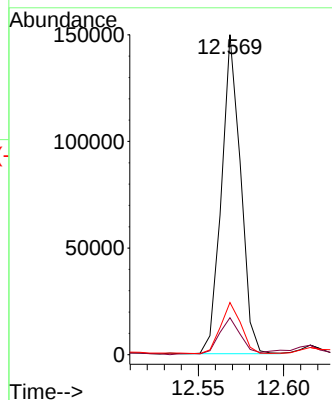
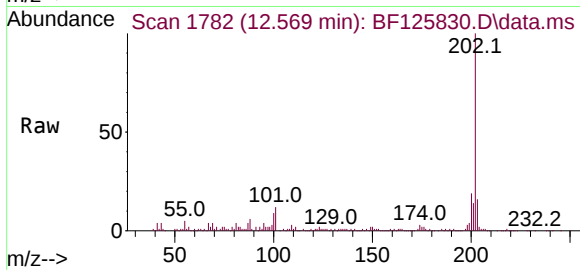




#75
Fluoranthene
Concen: 4.550 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

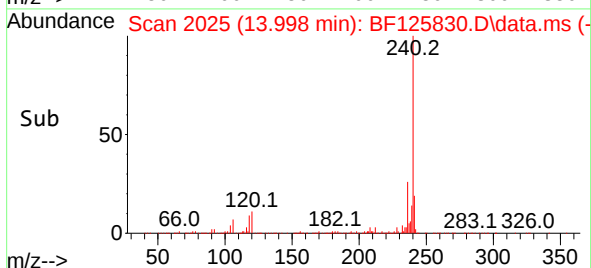
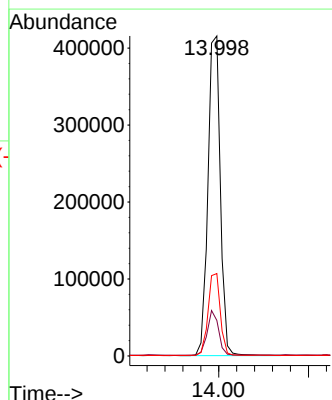
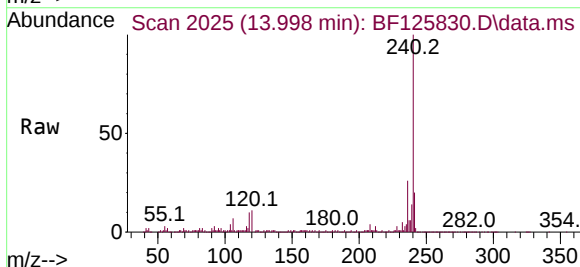
Instrument :
BNA_F
ClientSampled :
T-1

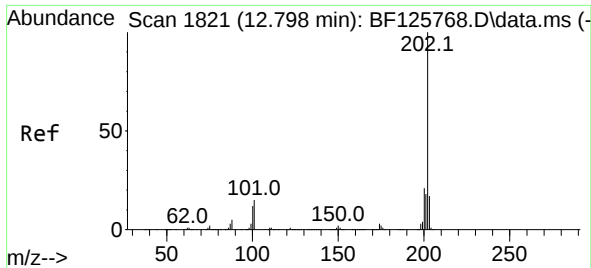
Tgt Ion:202 Resp: 116634
Ion Ratio Lower Upper
202 100
101 11.6 0.0 30.7
203 16.3 0.0 36.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:240 Resp: 397324
Ion Ratio Lower Upper
240 100
120 11.1 10.8 16.2
236 25.7 21.6 32.4

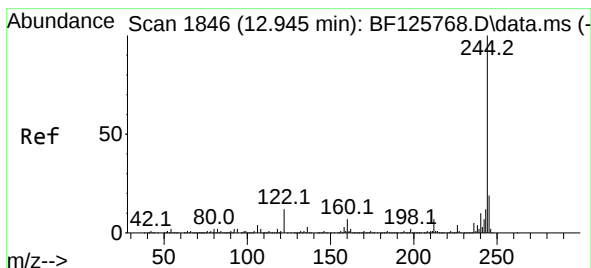
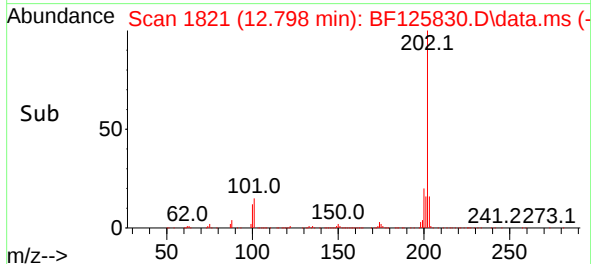
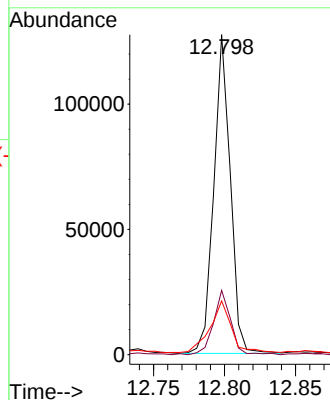
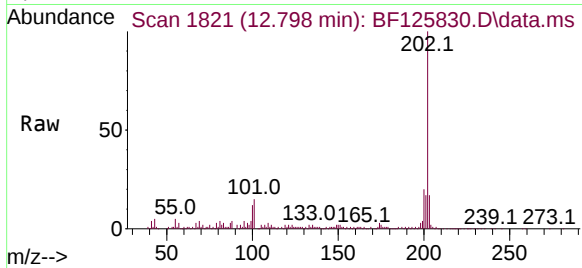




#78
Pyrene
Concen: 2.555 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

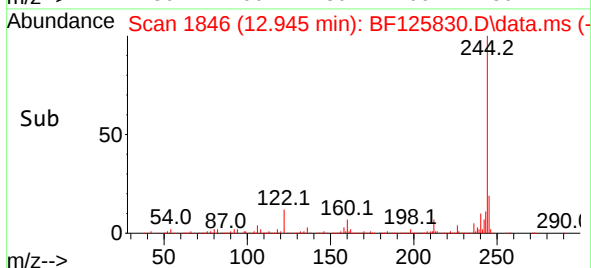
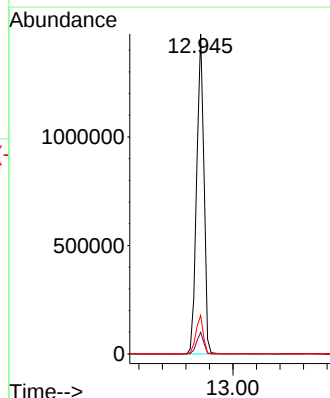
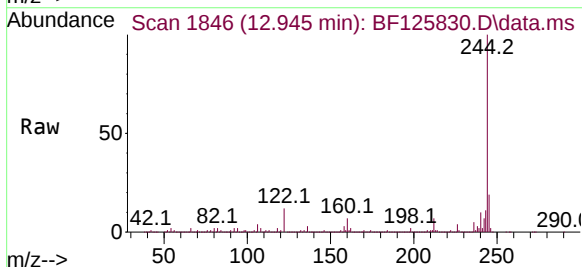
Instrument :
BNA_F
ClientSampled :
T-1

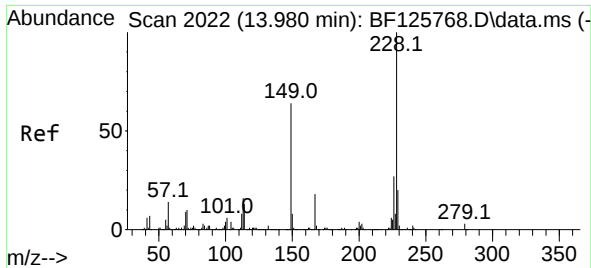
Tgt Ion:202 Resp: 103128
Ion Ratio Lower Upper
202 100
200 20.1 15.3 22.9
203 16.8 13.4 20.0



#79
Terphenyl-d14
Concen: 48.746 ng
RT: 12.945 min Scan# 1846
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:244 Resp: 1271481
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 12.1 9.0 13.4

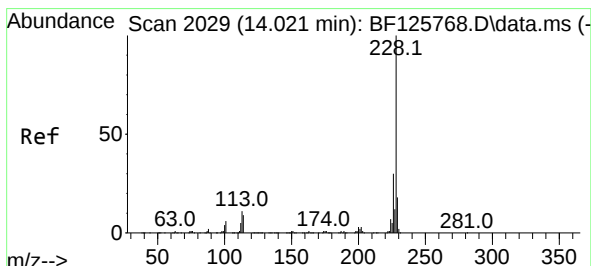
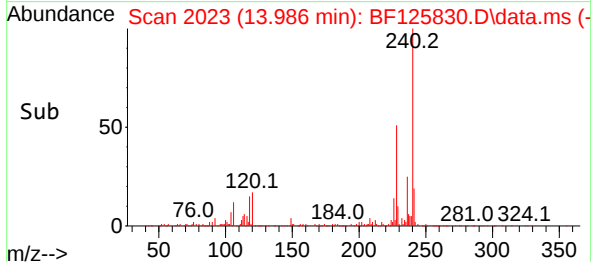
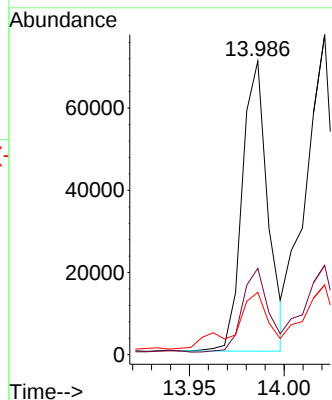
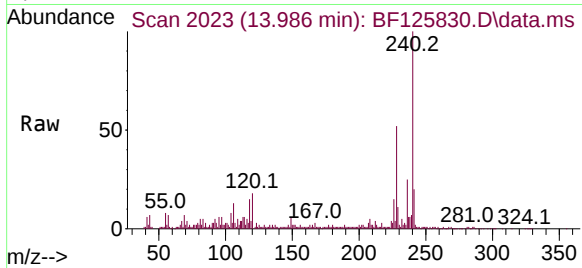




#81
Benzo(a)anthracene
Concen: 2.572 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

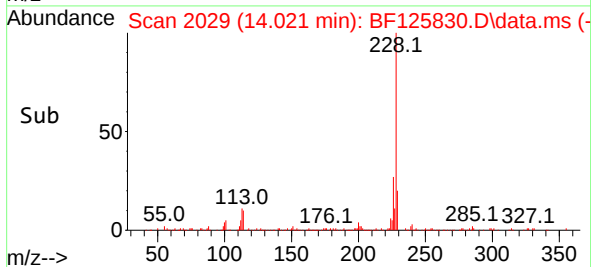
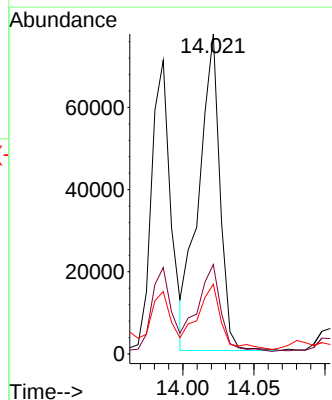
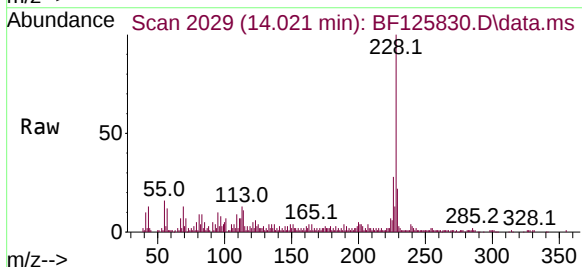
Instrument :
BNA_F
ClientSampled :
T-1

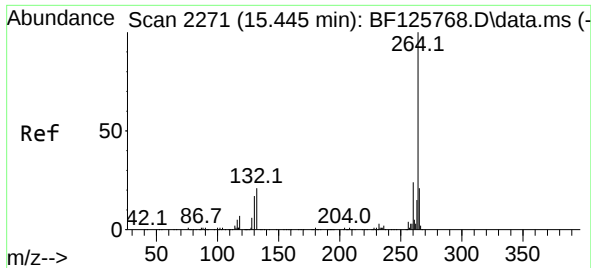
Tgt Ion:228 Resp: 66311
Ion Ratio Lower Upper
228 100
226 29.4 21.6 32.4
229 21.3 15.6 23.4



#83
Chrysene
Concen: 3.149 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:228 Resp: 80226
Ion Ratio Lower Upper
228 100
226 27.9 22.6 34.0
229 21.8 15.9 23.9

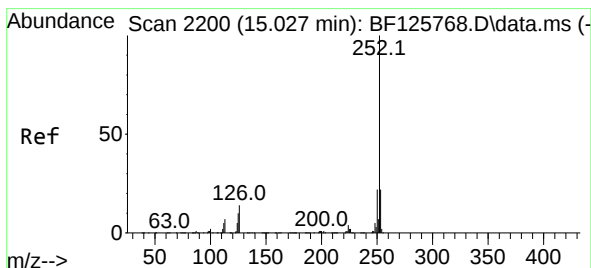
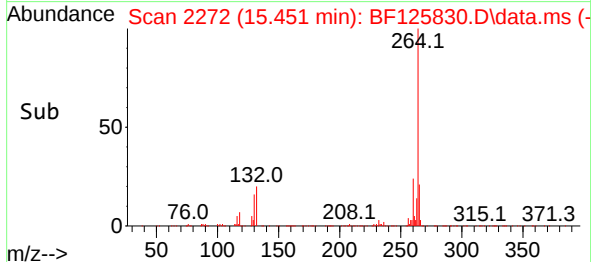
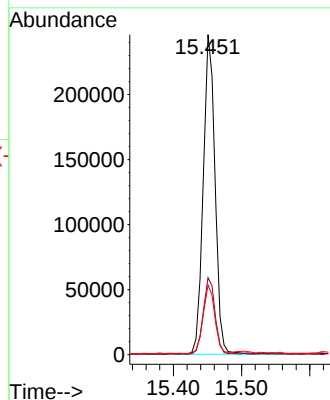
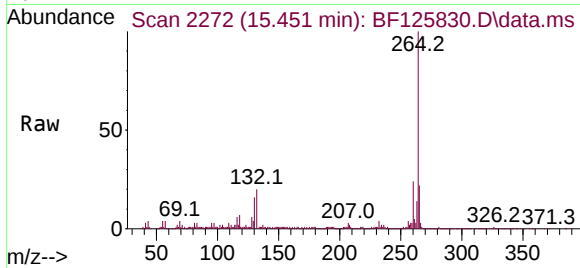




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

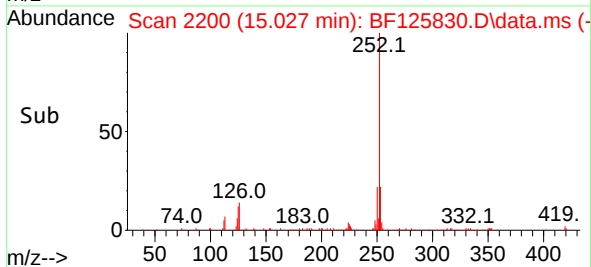
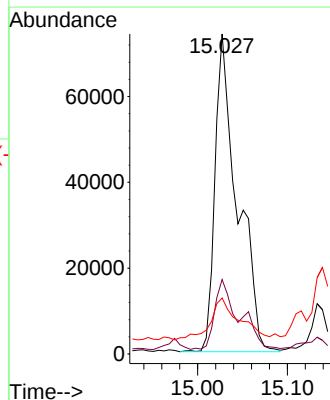
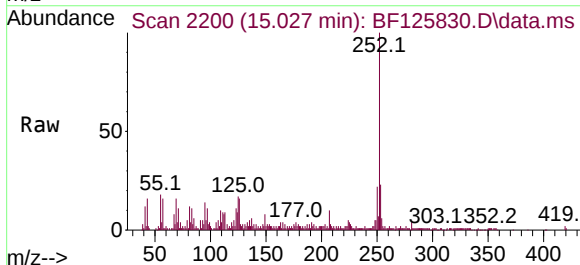
Instrument :
BNA_F
ClientSampled :
T-1

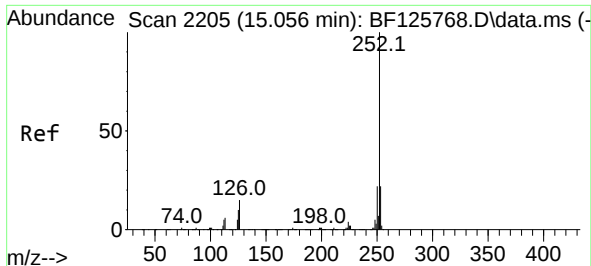
Tgt Ion:264	Resp:	296963
Ion Ratio	Lower	Upper
264	100	
260	24.1	19.6 29.4
265	21.7	17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 7.667 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.000 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:252	Resp:	128542
Ion Ratio	Lower	Upper
252	100	
253	23.2	16.8 25.2
125	17.5	9.8 14.8#

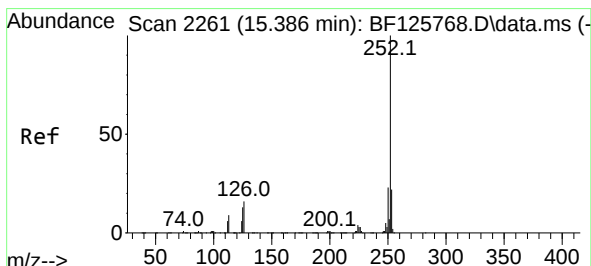
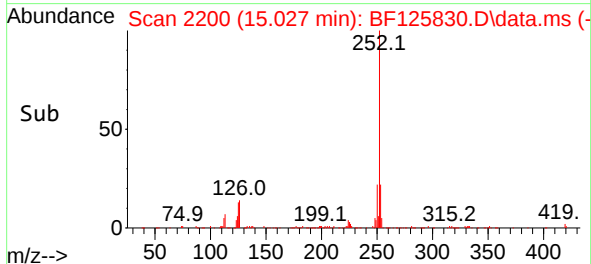
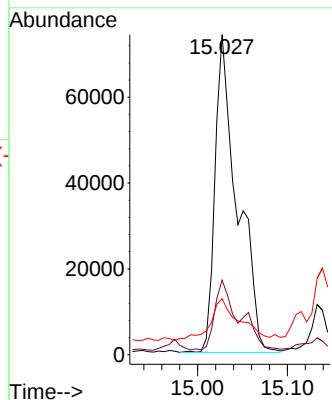
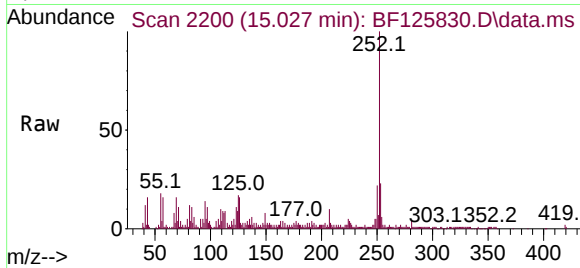




#89
Benzo(k)fluoranthene
Concen: 7.468 ng
RT: 15.027 min Scan# 2200
Delta R.T. -0.035 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Instrument :
BNA_F
ClientSampled :
T-1

Tgt Ion:252 Resp: 128542
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 17.5 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 3.547 ng
RT: 15.386 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF125830.D
Acq: 13 Oct 2021 16:52

Tgt Ion:252 Resp: 52658
Ion Ratio Lower Upper
252 100
253 21.9 18.4 27.6
125 17.5 9.9 14.9#

