

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122320\
 Data File : BF122841.D
 Acq On : 23 Dec 2020 20:06
 Operator : JU/CG
 Sample : L5189-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22

Quant Time: Dec 24 02:59:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

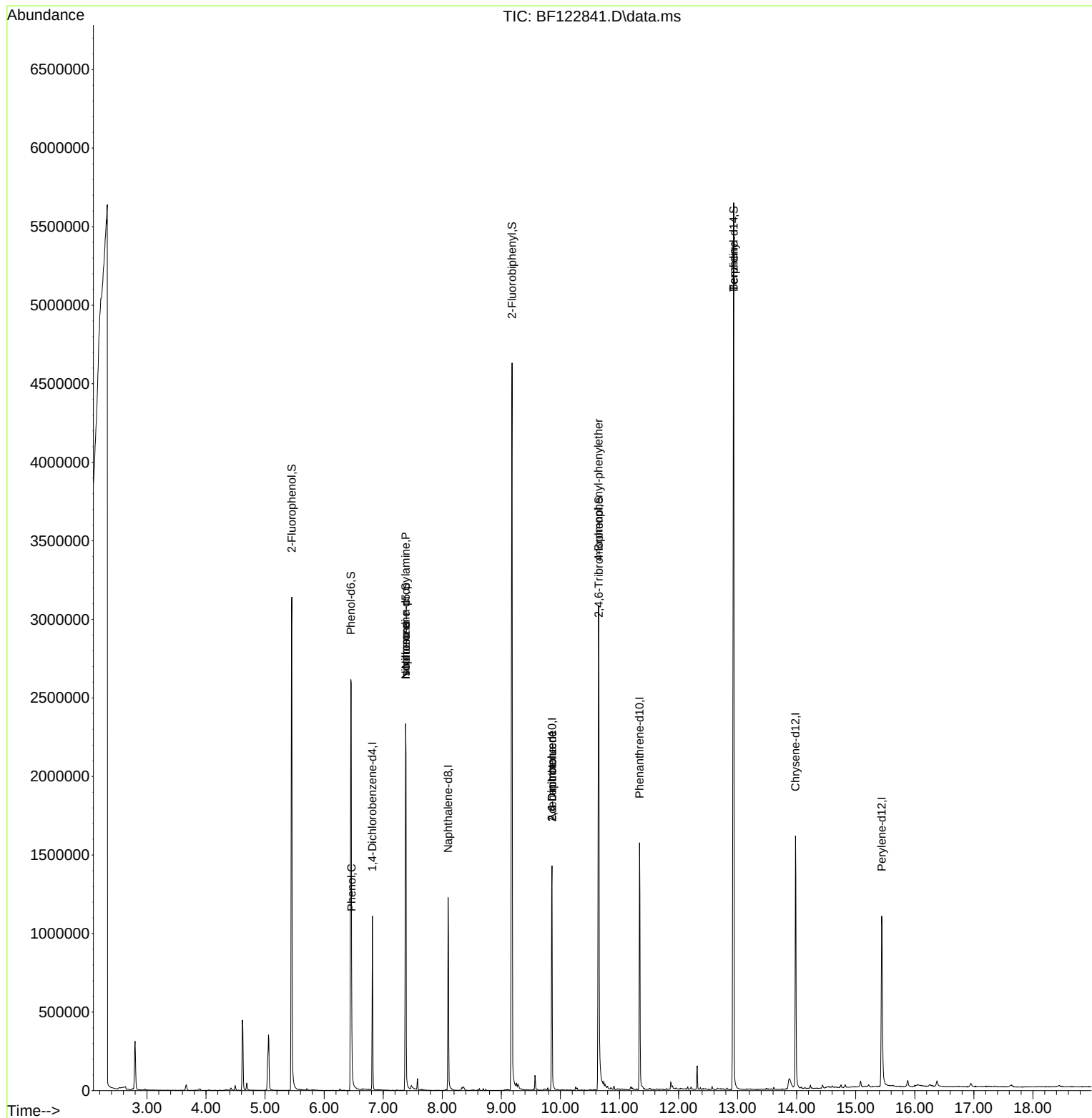
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	153054	20.00	ng	0.00
21) Naphthalene-d8	8.098	136	596817	20.00	ng	-0.01
39) Acenaphthene-d10	9.857	164	324780	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	632991	20.00	ng	0.00
76) Chrysene-d12	13.980	240	626667	20.00	ng	0.00
86) Perylene-d12	15.439	264	624794	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1033111	106.86	ng	0.02
7) Phenol-d6	6.451	99	1131492	88.25	ng	0.00
23) Nitrobenzene-d5	7.381	82	899602	75.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	538035	126.56	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1740229	72.47	ng	0.00
79) Terphenyl-d14	12.933	244	2220089	62.01	ng	0.00
Target Compounds						
10) Phenol	6.463	94	100705	7.58	ng	Qvalue 98
19) n-Nitroso-di-n-propyla...	7.381	70	121103	16.49	ng	# 78
25) Isophorone	7.381	82	899590	43.85	ng	# 65
51) 2,6-Dinitrotoluene	9.857	165	41495	7.57	ng	# 31
57) 2,4-Dinitrotoluene	9.857	165	41642	5.71	ng	# 25
67) 4-Bromophenyl-phenylether	10.645	248	32726	3.82	ng	# 1
77) Benzidine	12.933	184	28751	2.12	ng	# 92

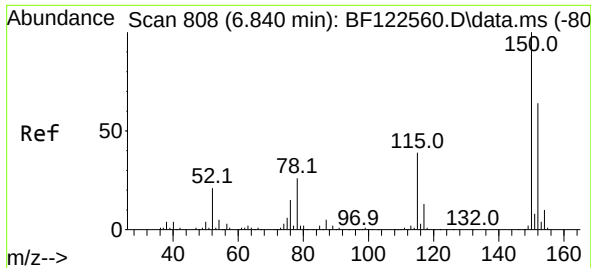
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 24 02:59:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 18:14:23 2020
Response via : Initial Calibration

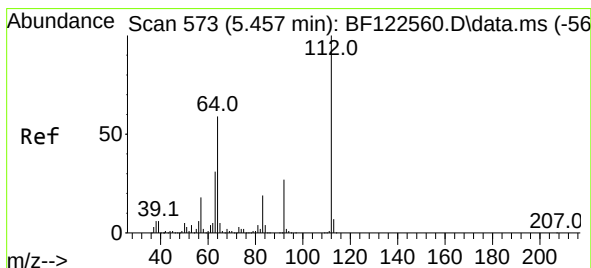
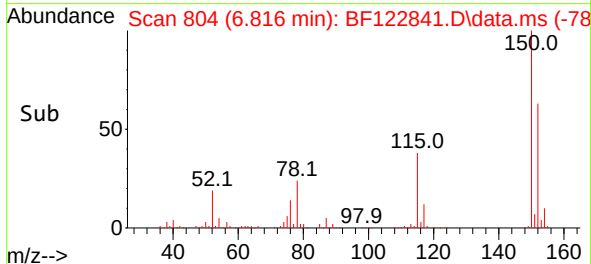
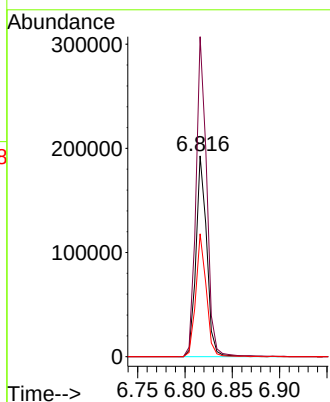
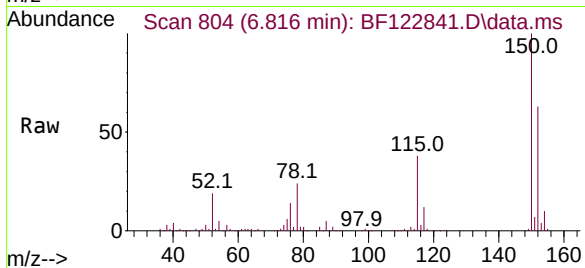




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

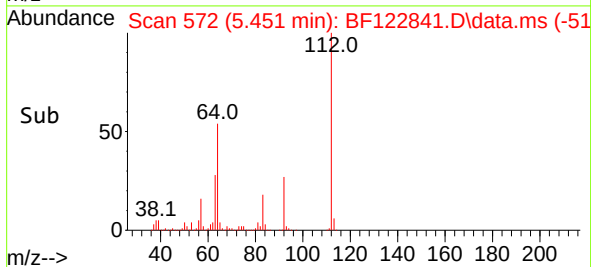
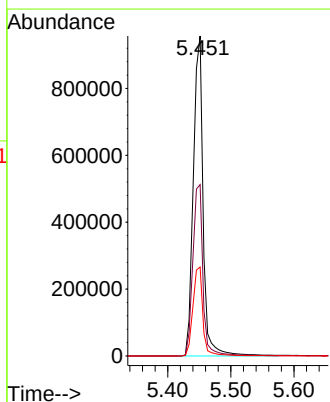
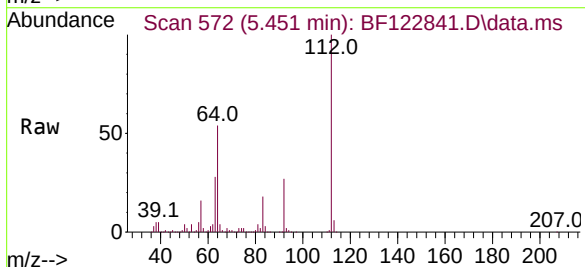
Instrument :
BNA_F
ClientSampleId :
22

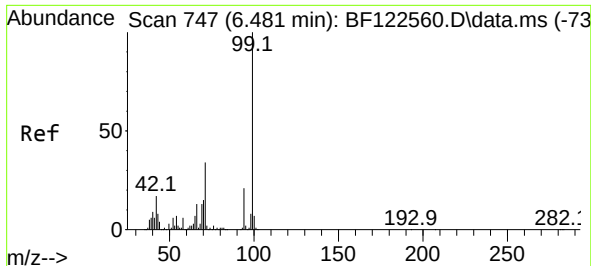
Tgt Ion:152 Resp: 153054
Ion Ratio Lower Upper
152 100
150 159.4 125.8 188.6
115 61.2 49.3 73.9



#5
2-Fluorophenol
Concen: 106.86 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.018 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

Tgt Ion:112 Resp: 1033111
Ion Ratio Lower Upper
112 100
64 53.6 46.9 70.3
63 27.8 24.5 36.7

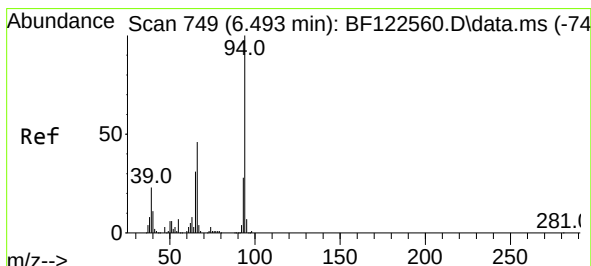
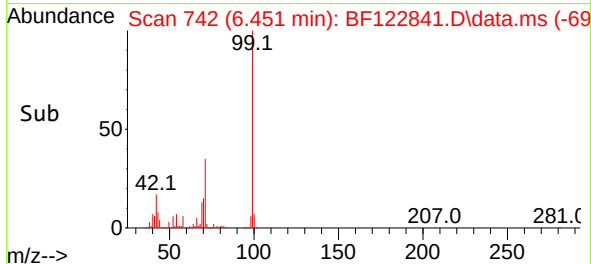
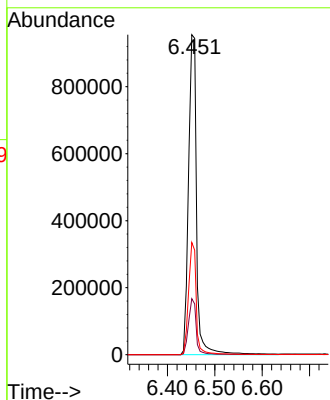
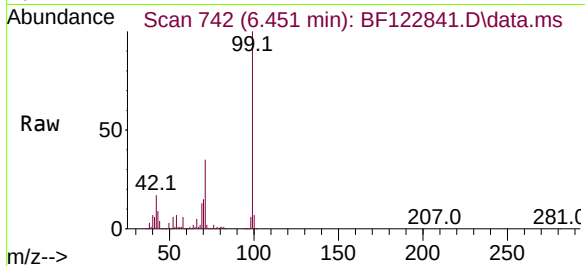




#7
Phenol-d6
Concen: 88.25 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

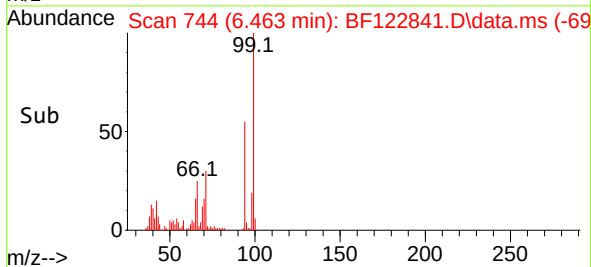
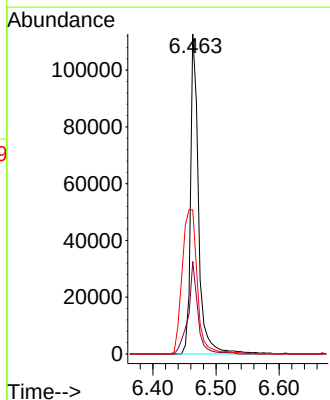
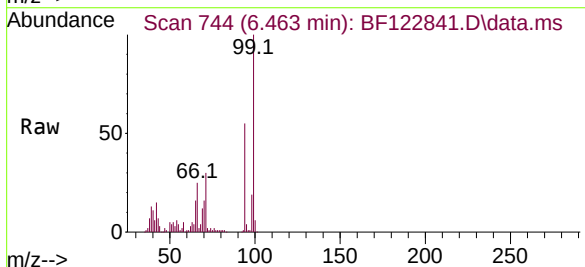
Instrument :
BNA_F
ClientSampleId :
22

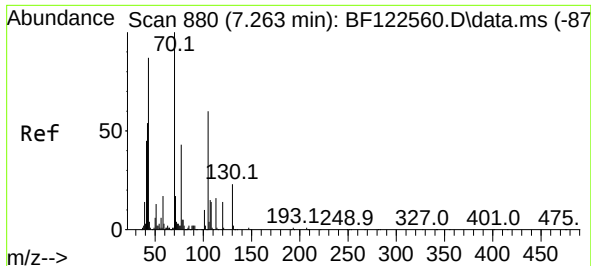
Tgt Ion: 99 Resp: 1131492
Ion Ratio Lower Upper
99 100
42 17.5 13.8 20.6
71 35.1 26.9 40.3



#10
Phenol
Concen: 7.58 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

Tgt Ion: 94 Resp: 100705
Ion Ratio Lower Upper
94 100
65 28.9 11.2 51.2
66 45.0 25.8 65.8



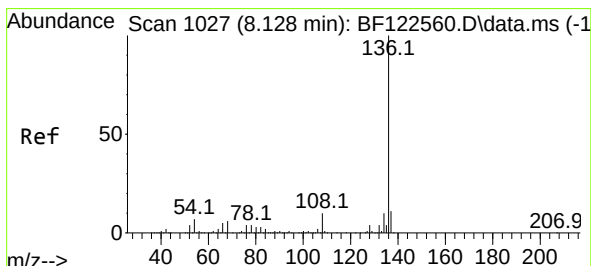
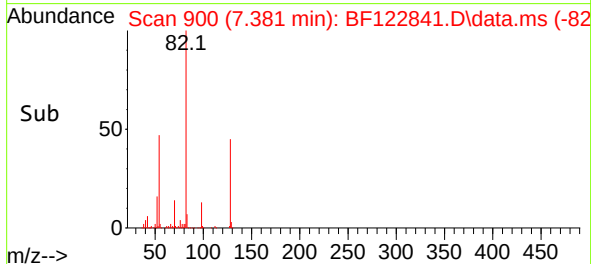
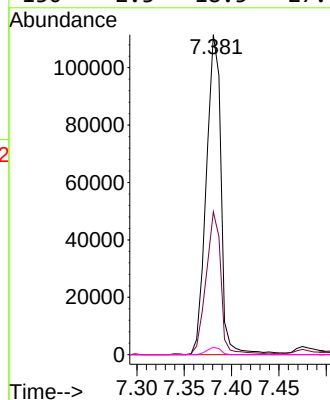
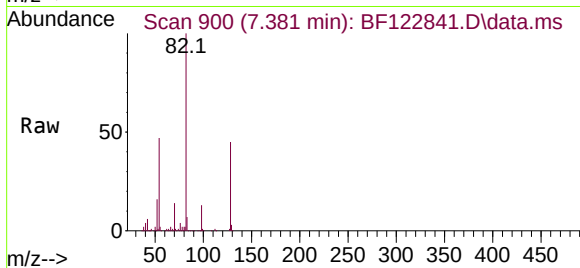


#19

n-Nitroso-di-n-propylamine
Concen: 16.49 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

Instrument :
BNA_F
ClientSampleId :
22

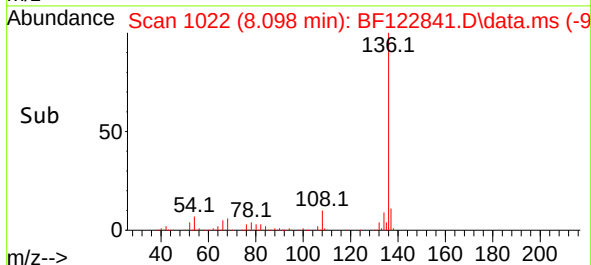
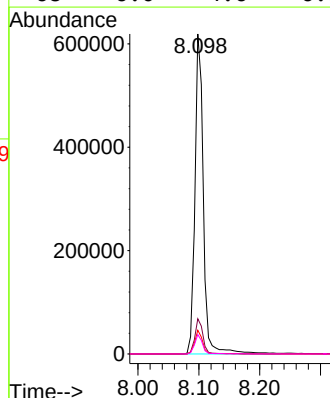
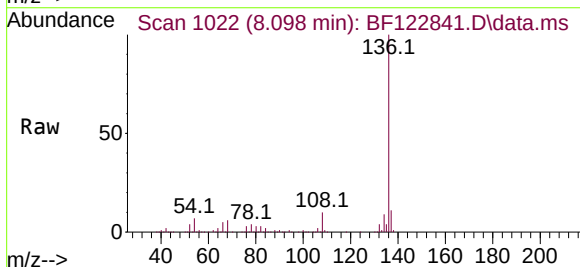
Tgt Ion: 70	Resp: 121103
Ion Ratio	Lower Upper
70 100	
42 44.6	43.0 64.4
101 0.0	7.9 11.9#
130 2.3	18.5 27.7#

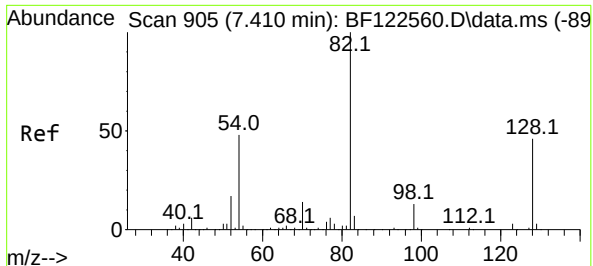


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 8.098 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

Tgt Ion: 136	Resp: 596817
Ion Ratio	Lower Upper
136 100	
137 11.0	8.8 13.2
54 7.4	5.5 8.3
68 6.0	4.6 6.8





#23

Nitrobenzene-d5

Concen: 75.52 ng

RT: 7.381 min Scan# 900

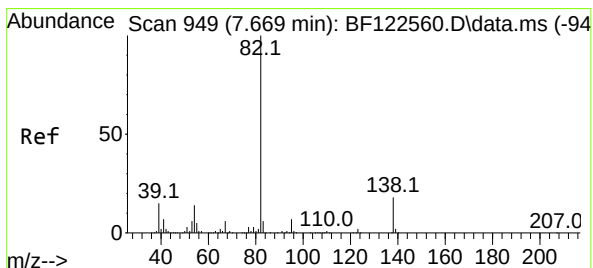
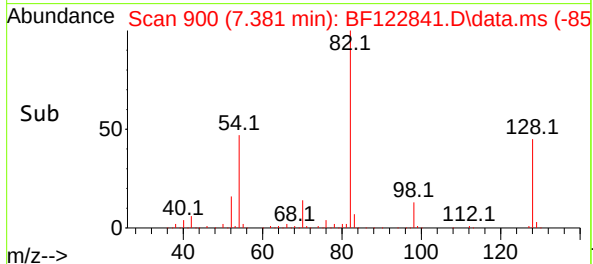
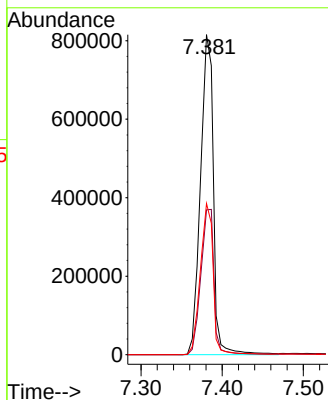
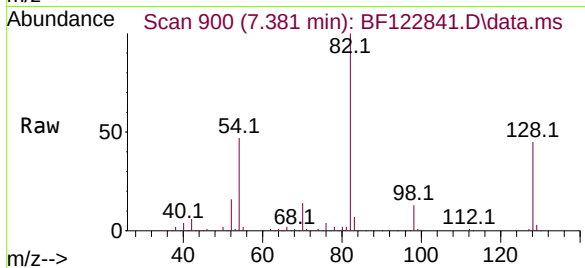
Delta R.T. -0.012 min

Lab File: BF122841.D

Acq: 23 Dec 2020 20:06

Tgt Ion: 82 Resp: 899602

Ion	Ratio	Lower	Upper
82	100		
128	45.2	37.0	55.4
54	47.2	38.4	57.6



#25

Isophorone

Concen: 43.85 ng

RT: 7.381 min Scan# 900

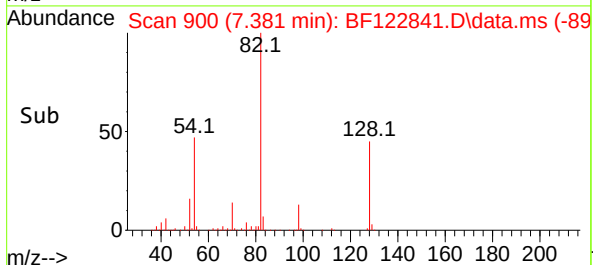
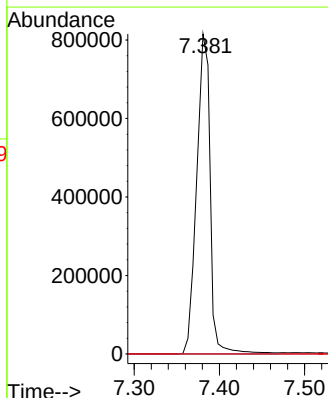
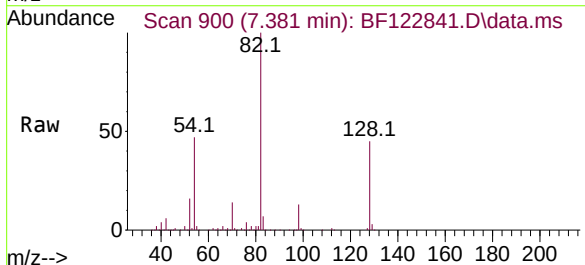
Delta R.T. -0.265 min

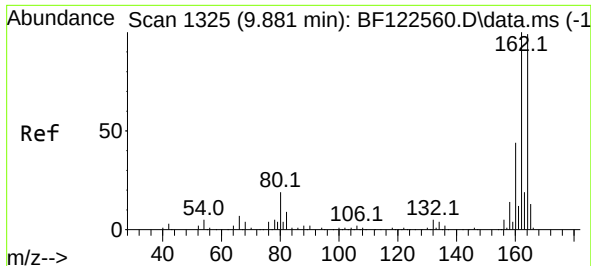
Lab File: BF122841.D

Acq: 23 Dec 2020 20:06

Tgt Ion: 82 Resp: 899590

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.6	21.8#

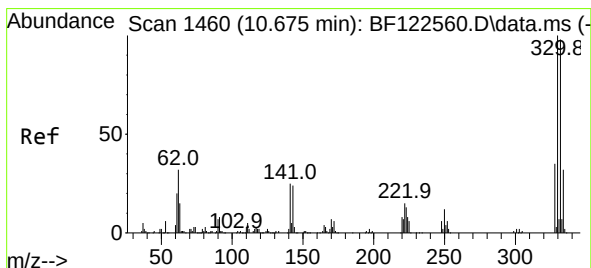
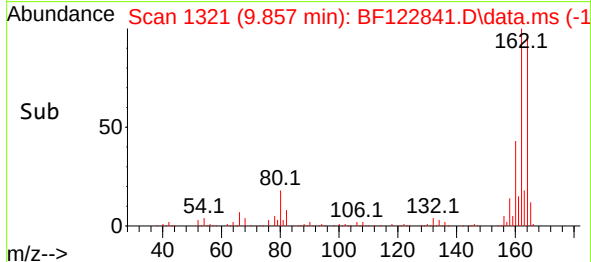
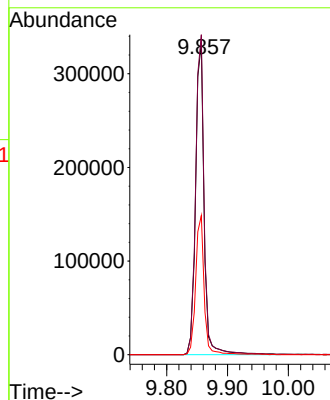
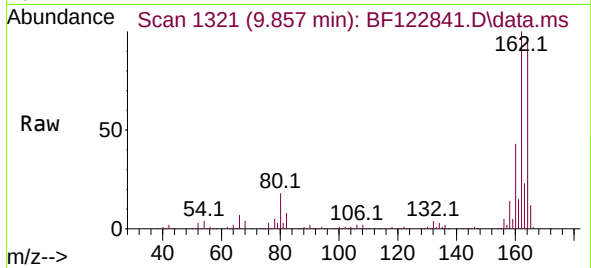




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

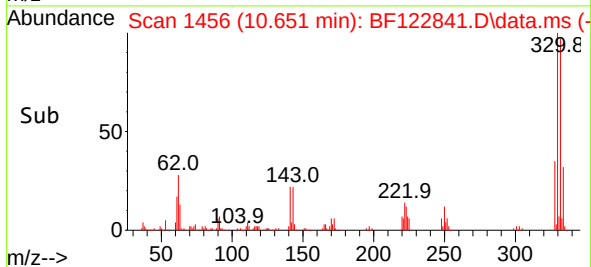
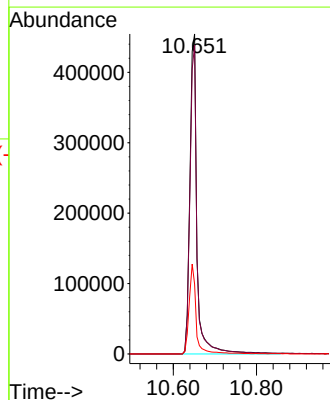
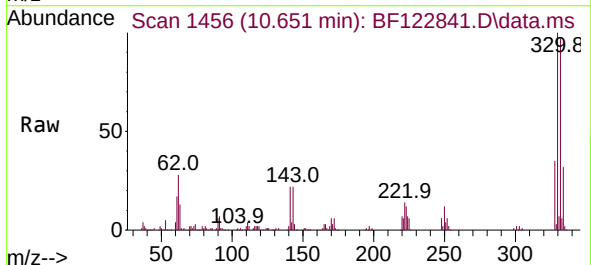
Instrument :
BNA_F
ClientSampleId :
22

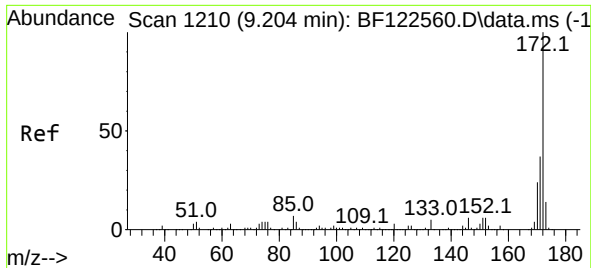
Tgt Ion:164 Resp: 324780
Ion Ratio Lower Upper
164 100
162 102.8 80.8 121.2
160 44.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 126.56 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.000 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

Tgt Ion:330 Resp: 538035
Ion Ratio Lower Upper
330 100
332 95.5 77.5 116.3
141 27.7 23.8 35.8

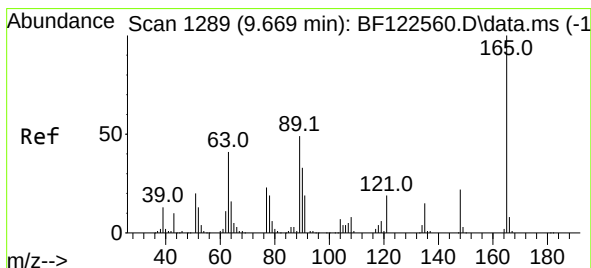
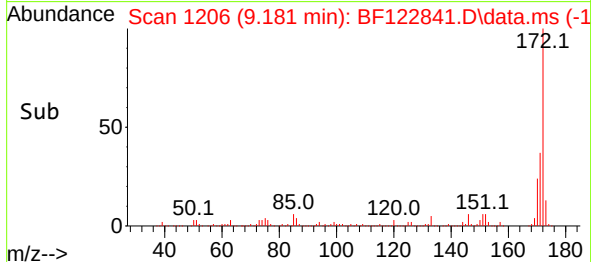
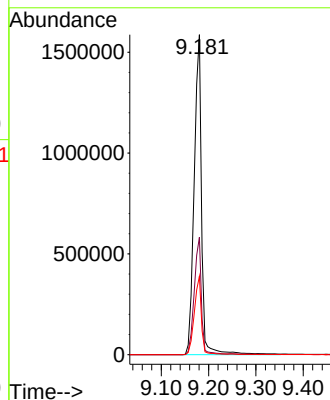
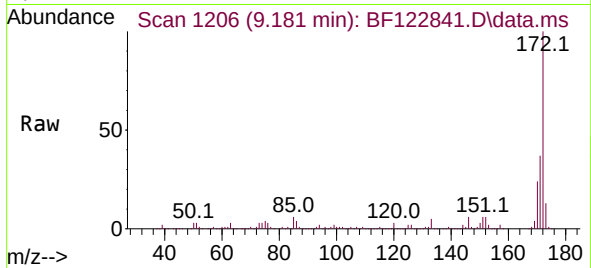




#45
2-Fluorobiphenyl
Concen: 72.47 ng
RT: 9.181 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

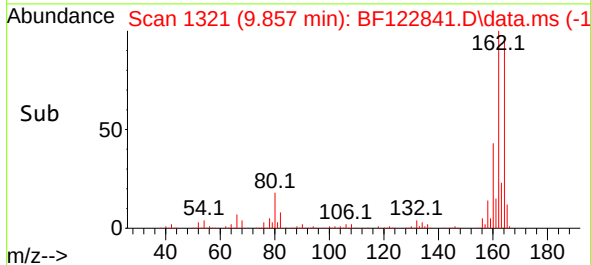
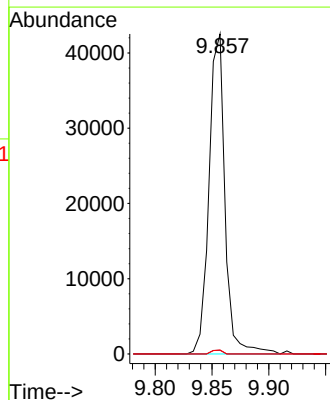
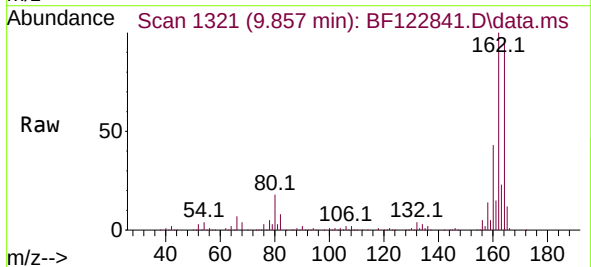
Instrument :
BNA_F
ClientSampleId :
22

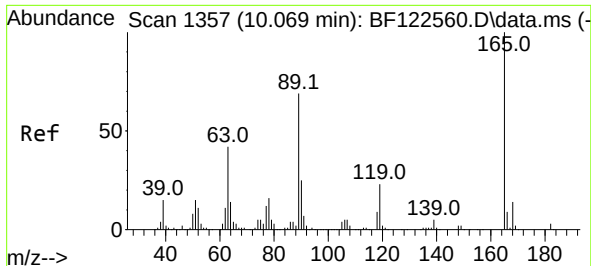
Tgt Ion:172 Resp: 1740229
Ion Ratio Lower Upper
172 100
171 36.7 29.6 44.4
170 24.5 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.57 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

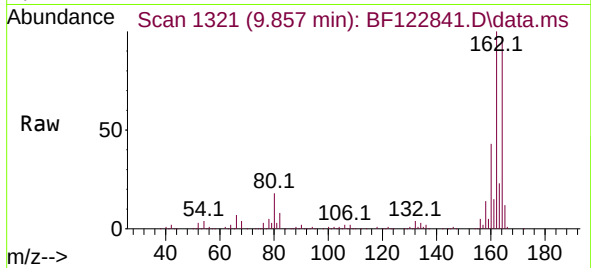
Tgt Ion:165 Resp: 41495
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 1.3 39.4 59.0#



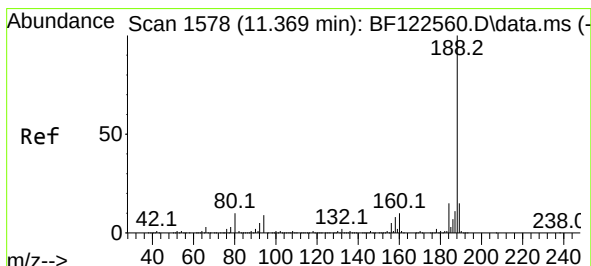
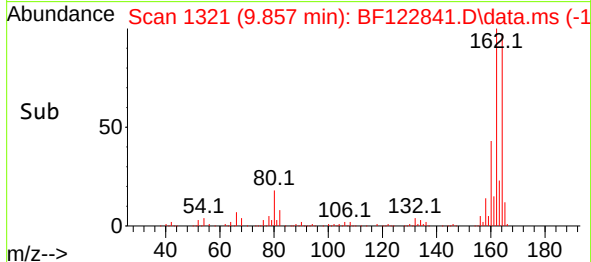
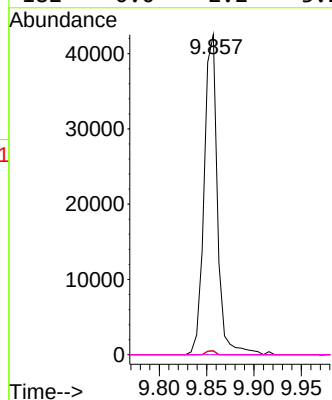


#57
2,4-Dinitrotoluene
Concen: 5.71 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.194 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

Instrument :
BNA_F
ClientSampleId :
22

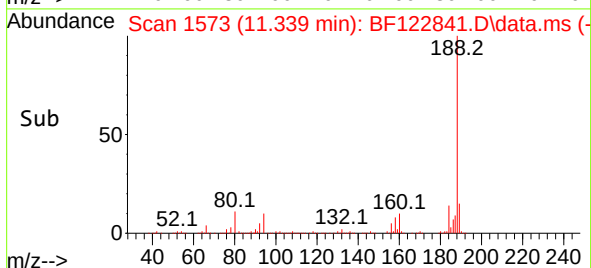
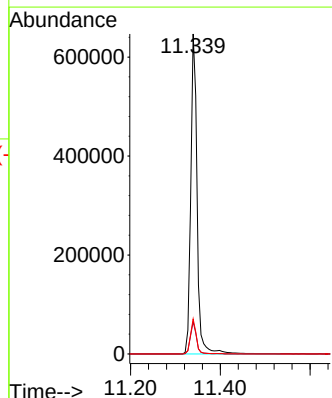
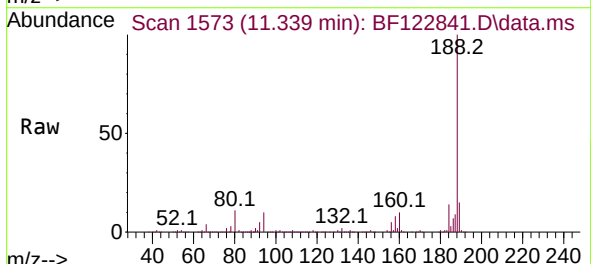


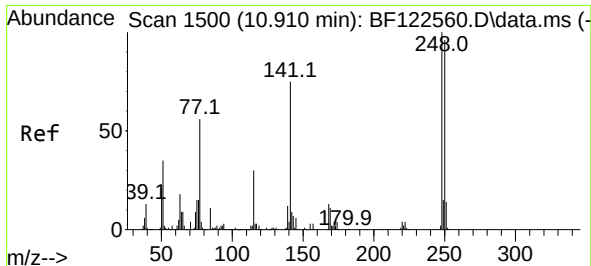
Tgt Ion:165 Resp: 41642
Ion Ratio Lower Upper
165 100
63 1.2 34.3 51.5#
89 1.3 55.2 82.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

Tgt Ion:188 Resp: 632991
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.2
80 11.0 8.2 12.4

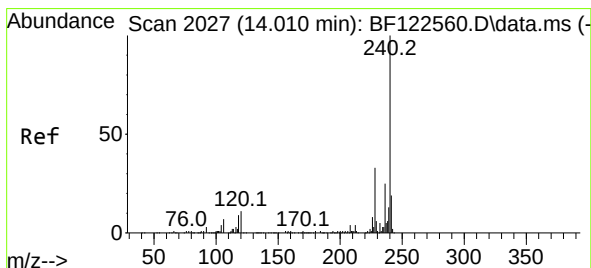
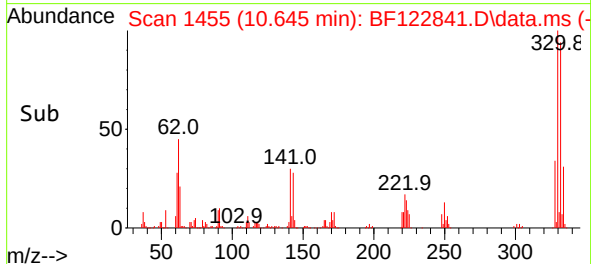
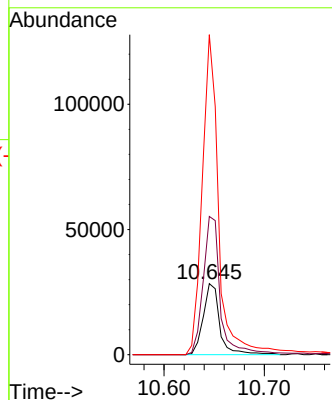
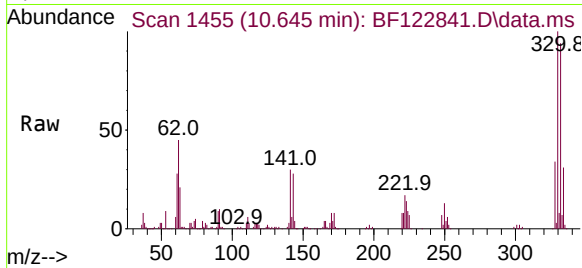




#67
4-Bromophenyl-phenylether
Concen: 3.82 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.247 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

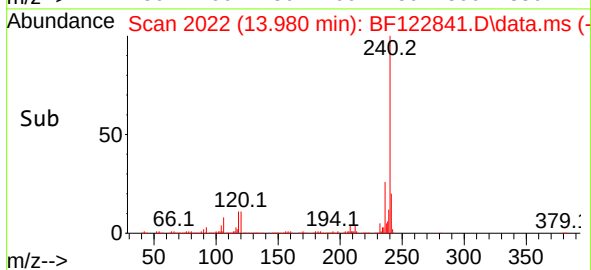
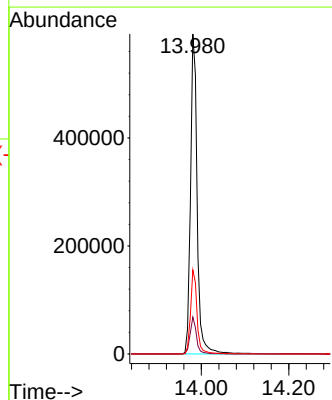
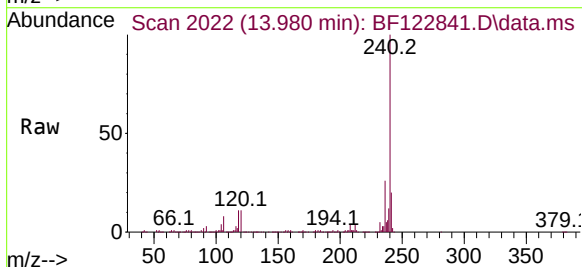
Instrument :
BNA_F
ClientSampleId :
22

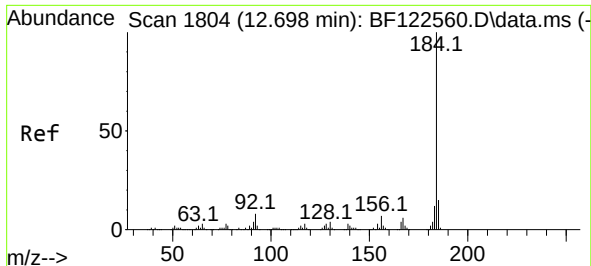
Tgt Ion:248 Resp: 32726
Ion Ratio Lower Upper
248 100
250 194.7 76.8 115.2#
141 450.8 59.8 89.8#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

Tgt Ion:240 Resp: 626667
Ion Ratio Lower Upper
240 100
120 11.5 8.6 12.8
236 26.3 20.3 30.5

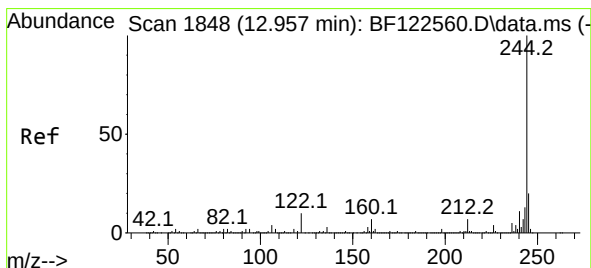
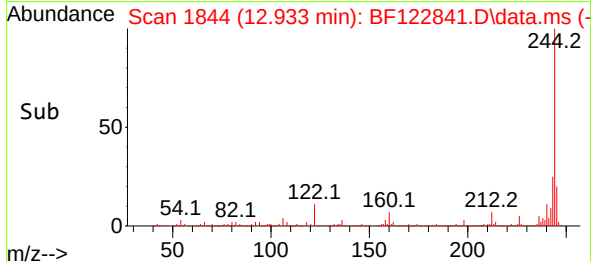
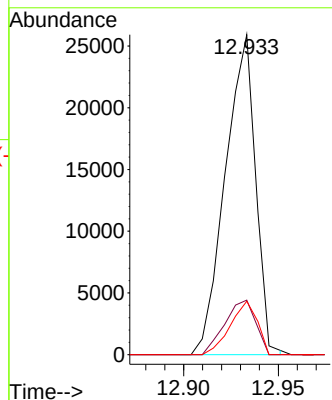
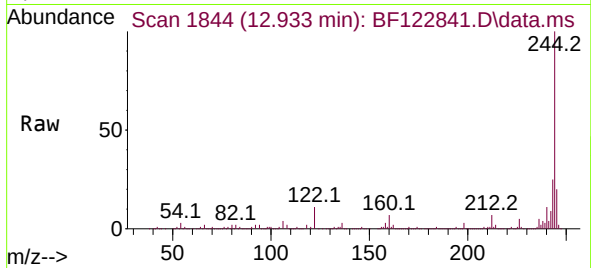




#77
Benzidine
Concen: 2.12 ng
RT: 12.933 min Scan# 1844
Delta R.T. 0.253 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

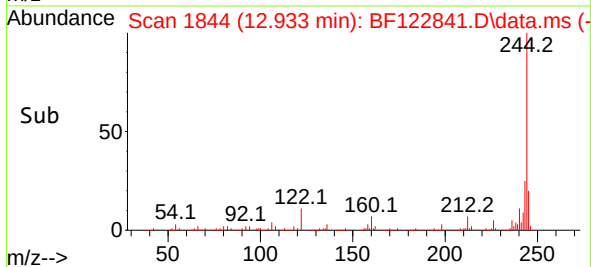
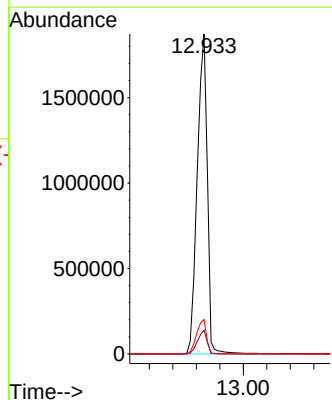
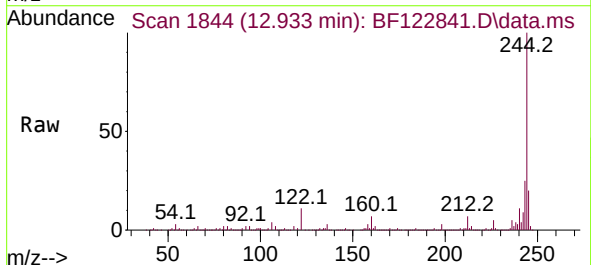
Instrument :
BNA_F
ClientSampled :
22

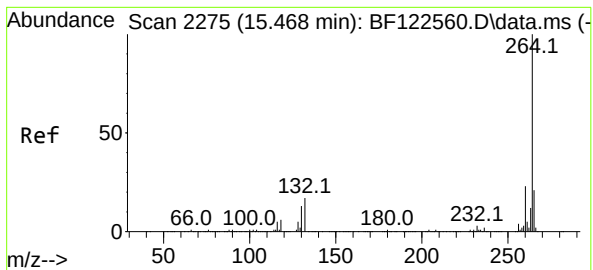
Tgt Ion:184 Resp: 28751
Ion Ratio Lower Upper
184 100
185 17.0 11.8 17.6
183 16.7 9.7 14.5#



#79
Terphenyl-d14
Concen: 62.01 ng
RT: 12.933 min Scan# 1844
Delta R.T. -0.000 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

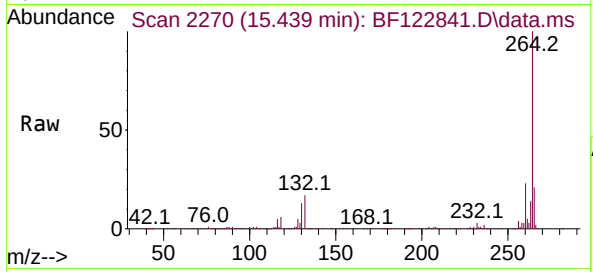
Tgt Ion:244 Resp: 2220089
Ion Ratio Lower Upper
244 100
212 7.4 5.7 8.5
122 10.8 8.3 12.5





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF122841.D
Acq: 23 Dec 2020 20:06

Instrument :
BNA_F
ClientSampleId :
22



Tgt Ion:264 Resp: 624794

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	20.9	17.0	25.6

