

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052421\
 Data File : BF124044.D
 Acq On : 24 May 2021 18:46
 Operator : JU/CG
 Sample : M2479-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MIXED-SUBBASE-GROUND-1-15-D

Quant Time: May 25 01:29:09 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

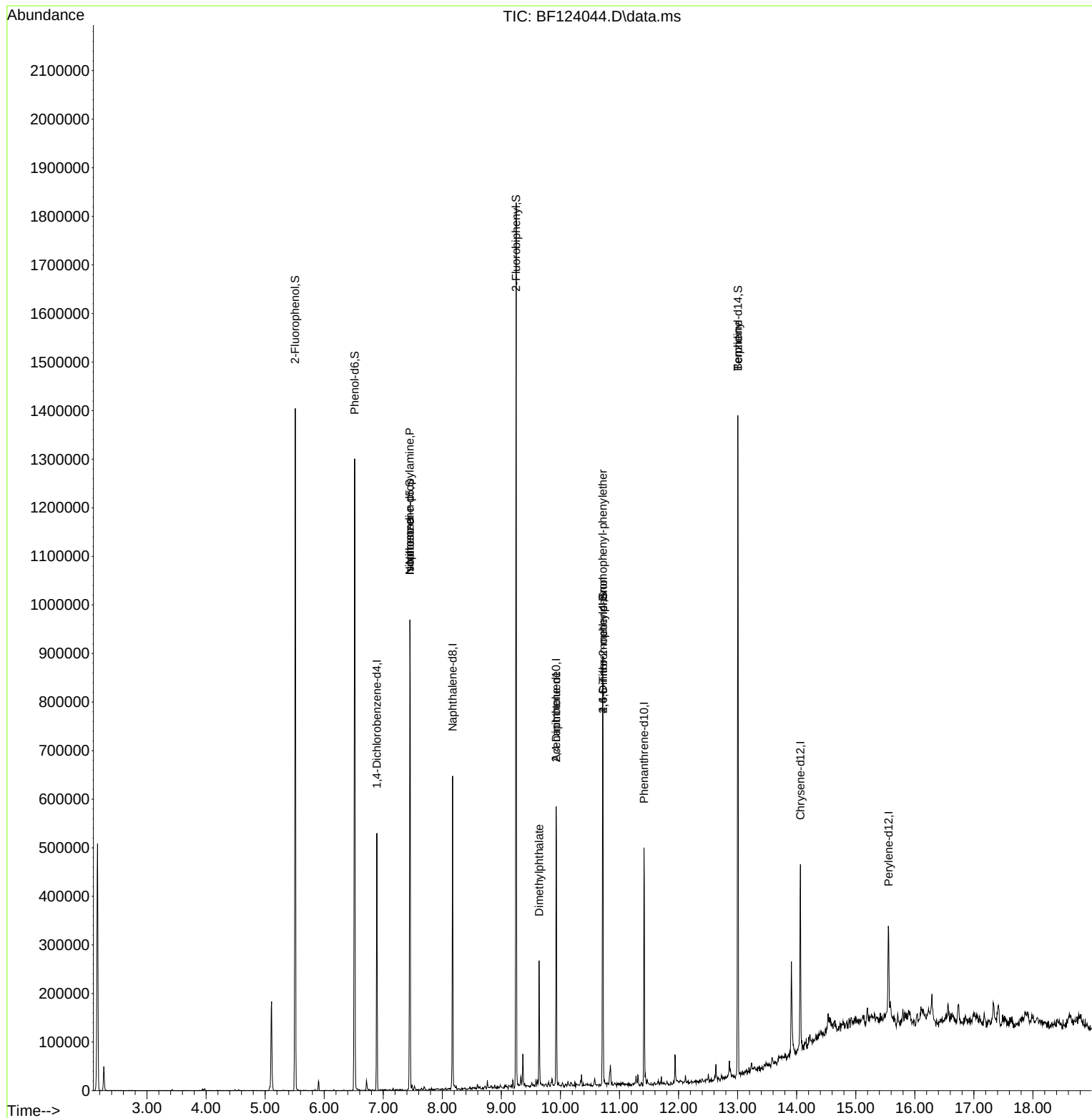
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	57181	20.00	ng	-0.01
21) Naphthalene-d8	8.175	136	208695	20.00	ng	-0.01
39) Acenaphthene-d10	9.927	164	103500	20.00	ng	-0.02
64) Phenanthrene-d10	11.416	188	157538	20.00	ng	-0.01
76) Chrysene-d12	14.062	240	117008	20.00	ng	0.00
86) Perylene-d12	15.556	264	75292	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	302852	74.36	ng	0.00
7) Phenol-d6	6.516	99	371420	70.30	ng	0.00
23) Nitrobenzene-d5	7.451	82	280919	58.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.721	330	84658	68.10	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	446376	53.07	ng	-0.01
79) Terphenyl-d14	13.004	244	394803	51.10	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	41455	11.61	ng	# 70
25) Isophorone	7.451	82	280791	30.13	ng	# 69
50) Dimethylphthalate	9.639	163	74118	8.97	ng	# 95
57) 2,4-Dinitrotoluene	9.927	165	12806	6.25	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.721	198	151	5.57	ng	# 36
67) 4-Bromophenyl-phenylether	10.716	248	5455	2.63	ng	# 1
77) Benzidine	13.004	184	6621	2.35	ng	# 97

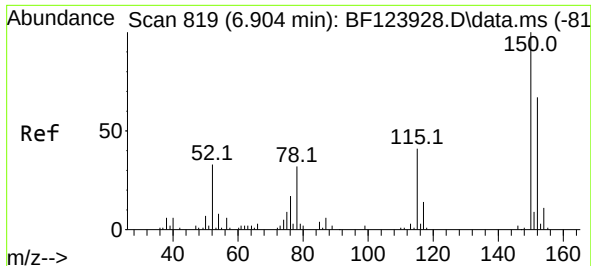
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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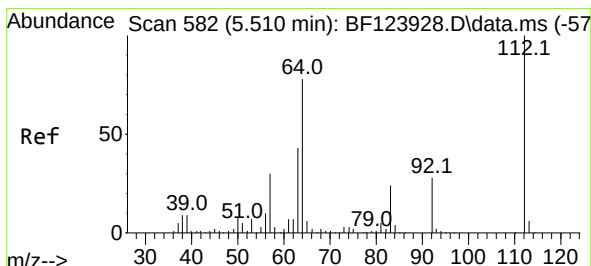
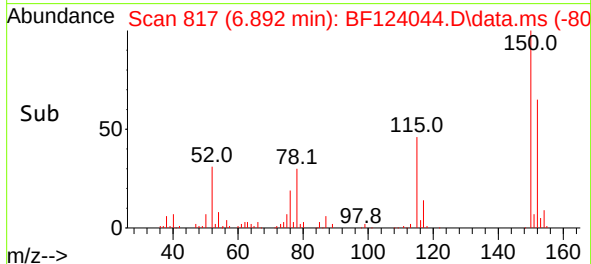
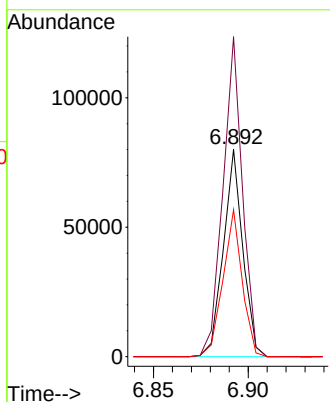
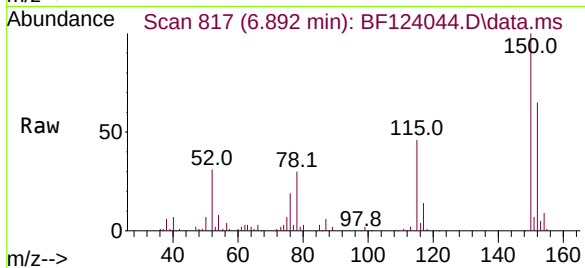




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

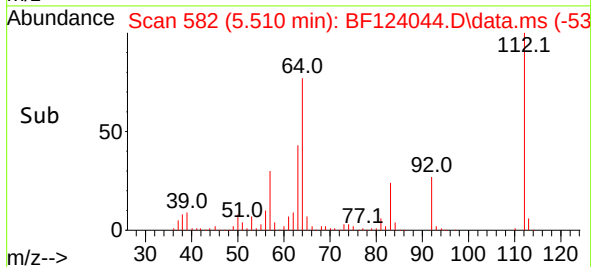
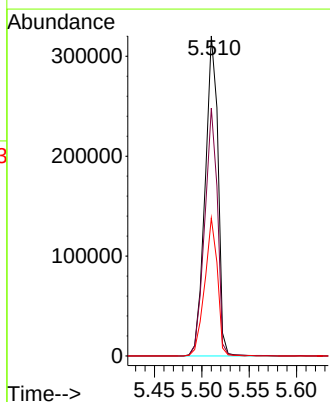
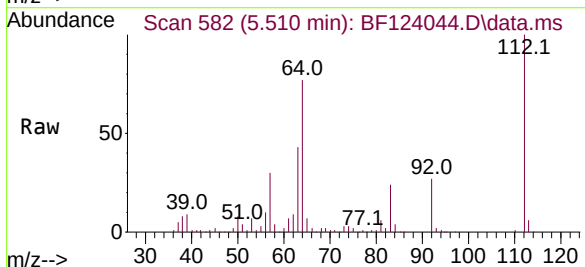
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

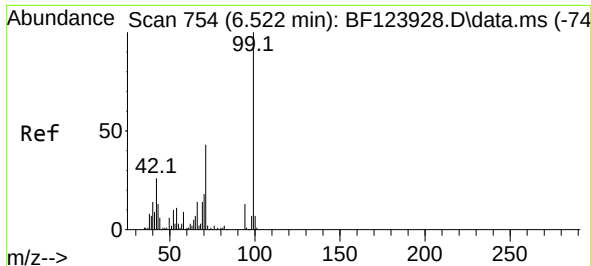
Tgt Ion:152 Resp: 57181
Ion Ratio Lower Upper
152 100
150 154.3 127.0 190.6
115 70.8 54.3 81.5



#5
2-Fluorophenol
Concen: 74.36 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

Tgt Ion:112 Resp: 302852
Ion Ratio Lower Upper
112 100
64 77.5 61.4 92.0
63 43.1 33.0 49.4

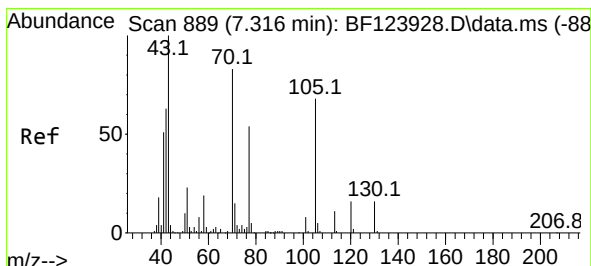
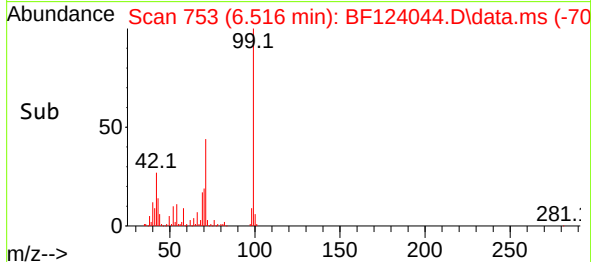
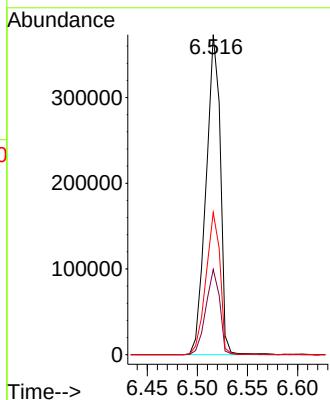
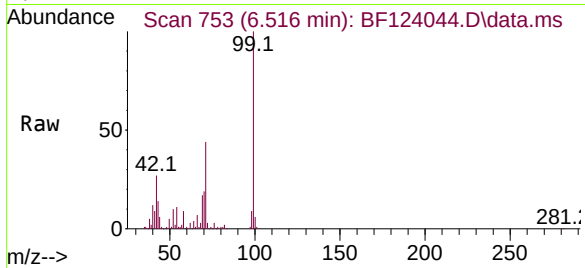




#7
Phenol-d6
Concen: 70.30 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

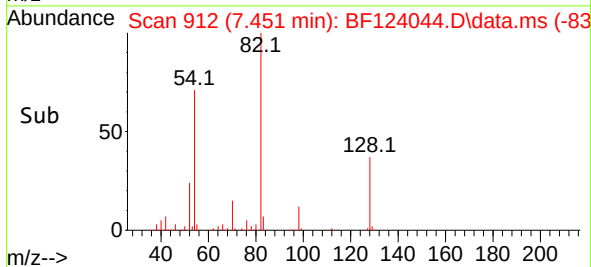
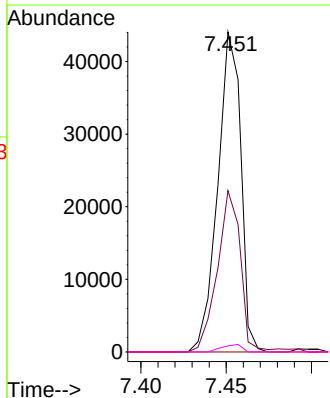
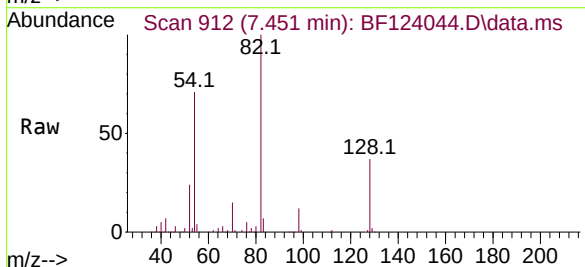
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

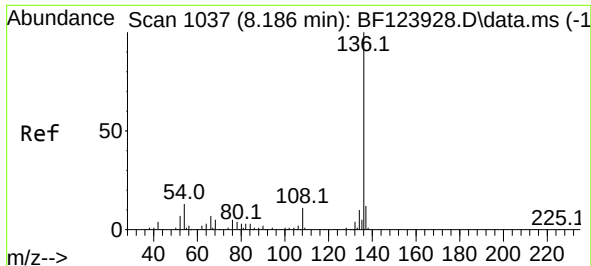
Tgt Ion: 99 Resp: 371420
Ion Ratio Lower Upper
99 100
42 26.6 19.8 29.8
71 44.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.61 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.135 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

Tgt Ion: 70 Resp: 41455
Ion Ratio Lower Upper
70 100
42 50.4 60.1 90.1#
101 0.0 7.4 11.2#
130 1.9 14.2 21.2#



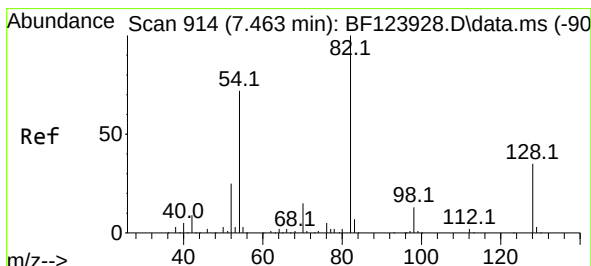
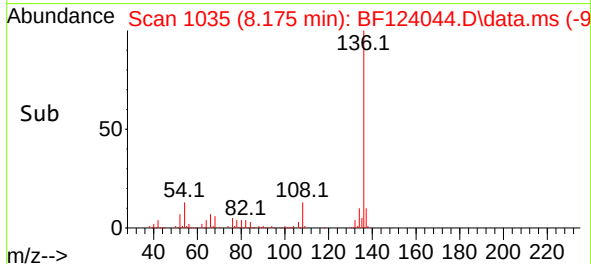
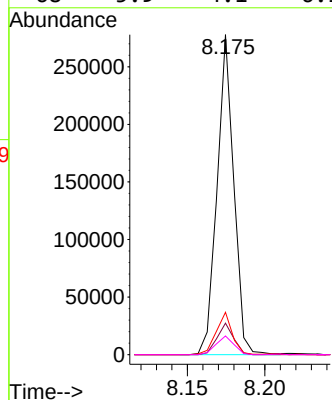
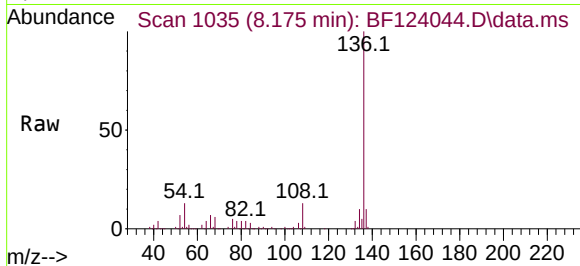


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.011 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

Tgt Ion:136 Resp: 208695

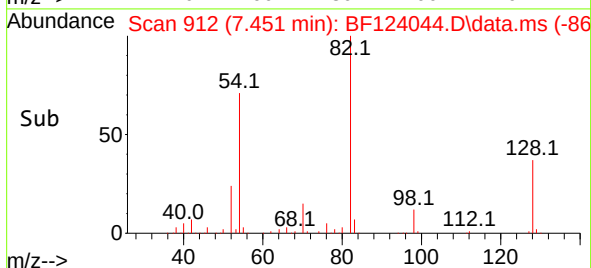
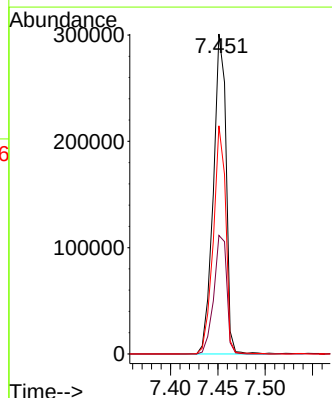
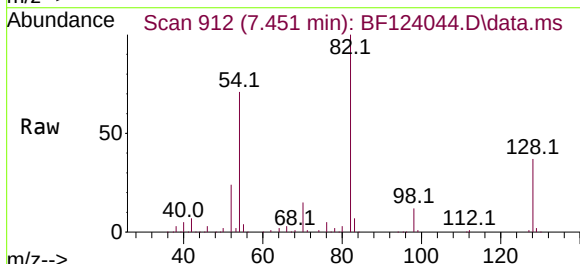
Ion	Ratio	Lower	Upper
136	100		
137	9.9	8.7	13.1
54	13.2	9.8	14.6
68	5.9	4.1	6.1

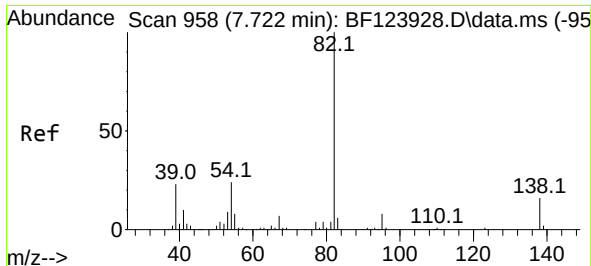


#23
Nitrobenzene-d5
Concen: 58.00 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

Tgt Ion: 82 Resp: 280919

Ion	Ratio	Lower	Upper
82	100		
128	37.0	29.4	44.2
54	71.3	54.1	81.1

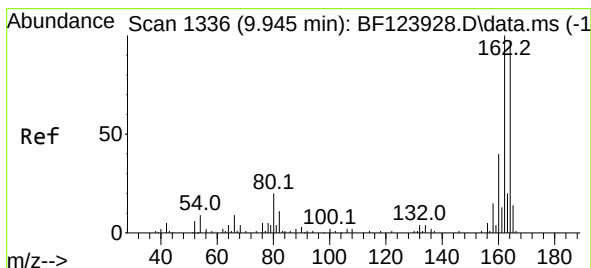
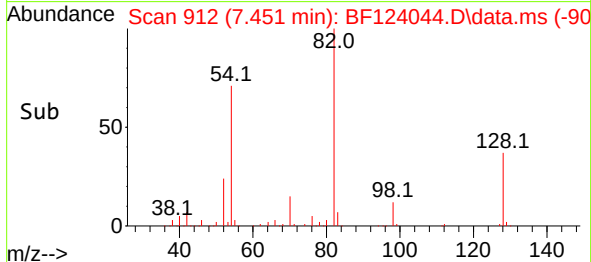
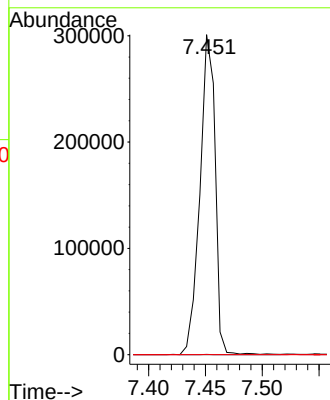
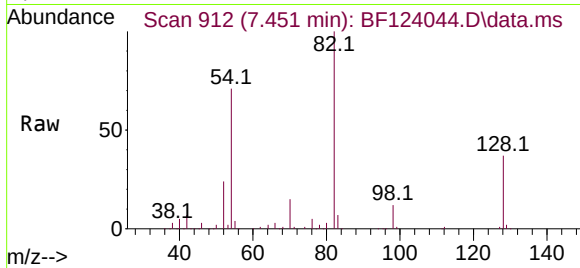




#25
Isophorone
Concen: 30.13 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.271 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

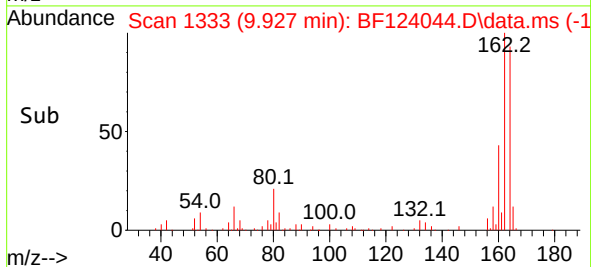
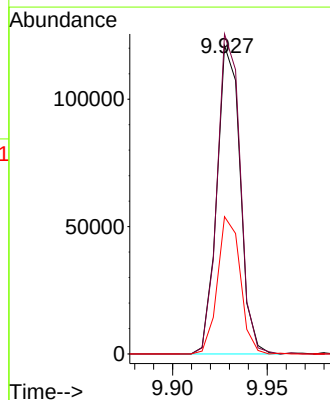
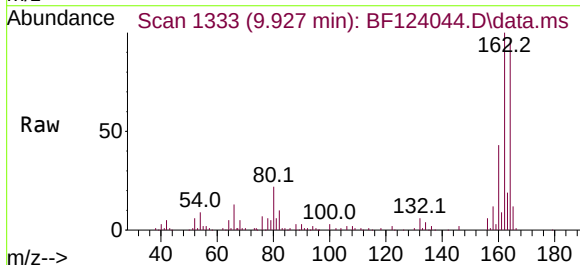
Instrument :
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ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

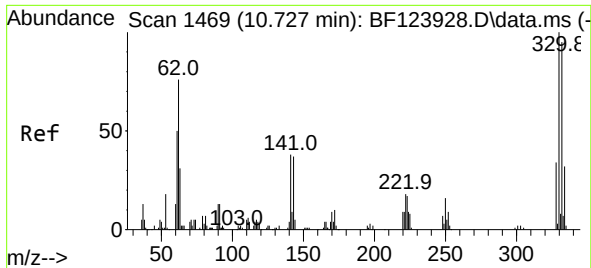
Tgt Ion: 82 Resp: 280791
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

Tgt Ion: 164 Resp: 103500
Ion Ratio Lower Upper
164 100
162 103.8 80.7 121.1
160 44.5 37.3 55.9

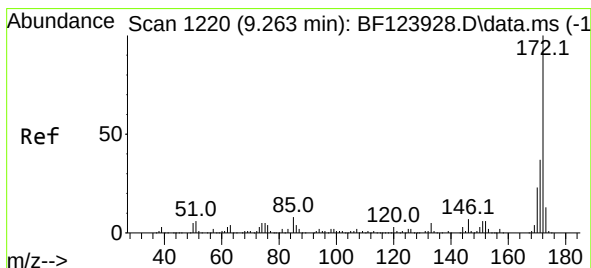
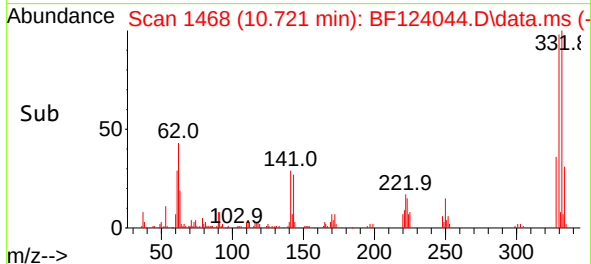
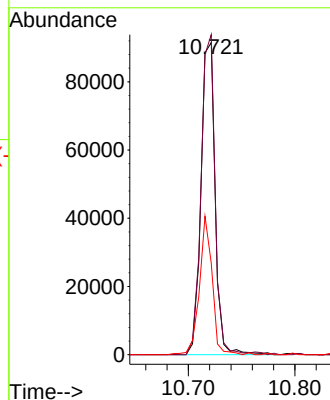
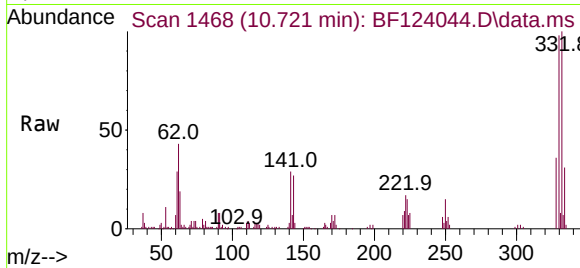




#42
2,4,6-Tribromophenol
Concen: 68.10 ng
RT: 10.721 min Scan# 1468
Delta R.T. -0.006 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

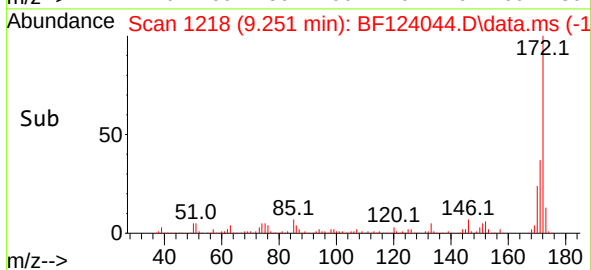
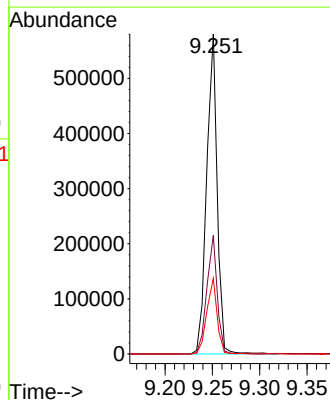
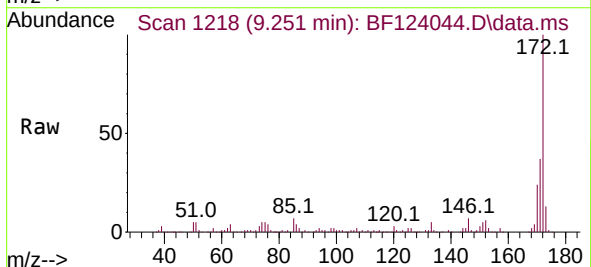
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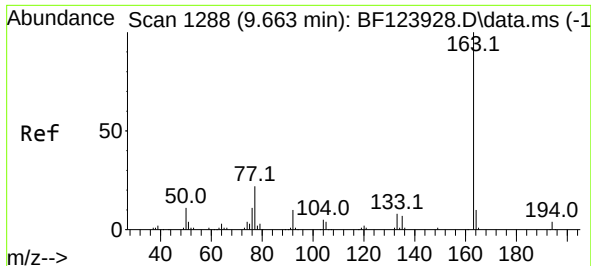
Tgt Ion: 330 Resp: 84658
Ion Ratio Lower Upper
330 100
332 101.2 77.1 115.7
141 39.9 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 53.07 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

Tgt Ion: 172 Resp: 446376
Ion Ratio Lower Upper
172 100
171 37.1 28.1 42.1
170 23.6 19.2 28.8

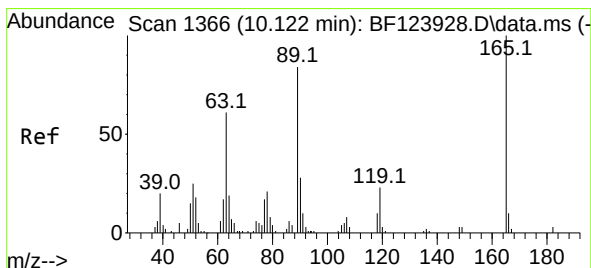
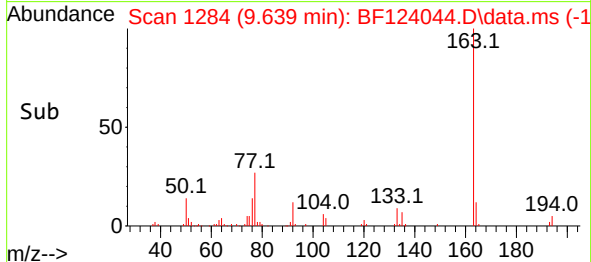
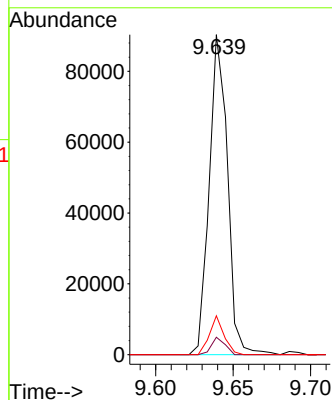
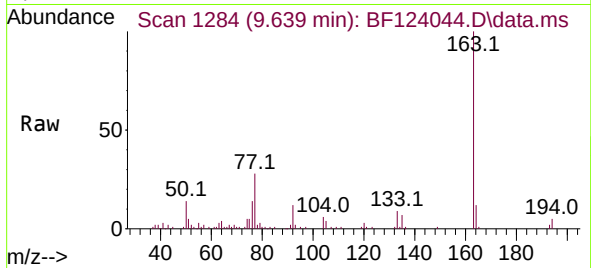




#50
Dimethylphthalate
Concen: 8.97 ng
RT: 9.639 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

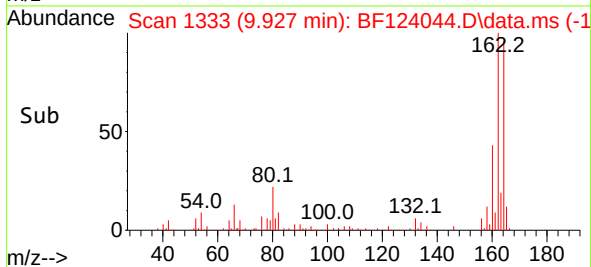
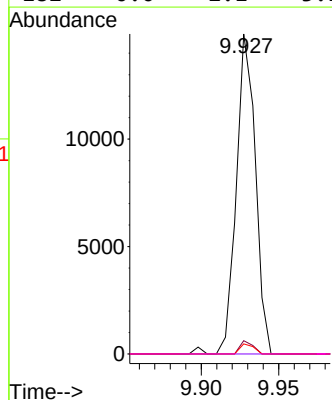
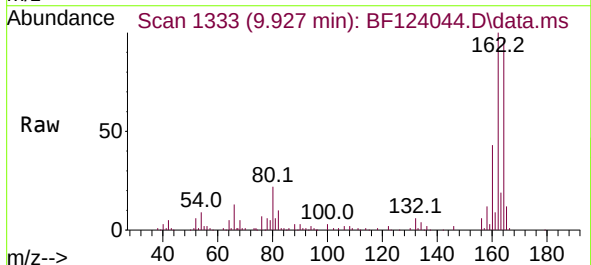
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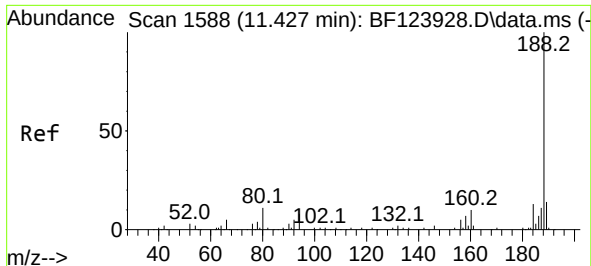
Tgt Ion:163 Resp: 74118
Ion Ratio Lower Upper
163 100
194 5.4 3.1 4.7#
164 12.2 8.2 12.2



#57
2,4-Dinitrotoluene
Concen: 6.25 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

Tgt Ion:165 Resp: 12806
Ion Ratio Lower Upper
165 100
63 4.1 43.5 65.3#
89 3.1 67.7 101.5#
182 0.0 2.1 3.1#

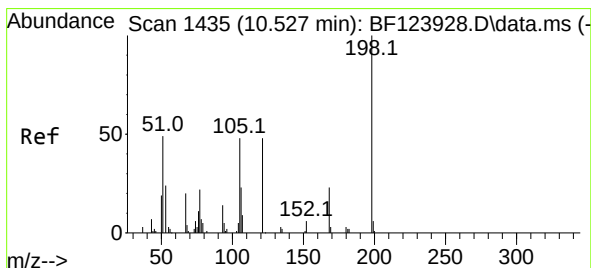
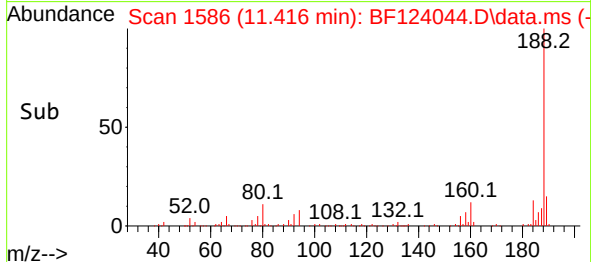
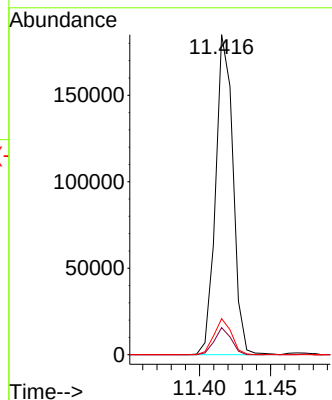
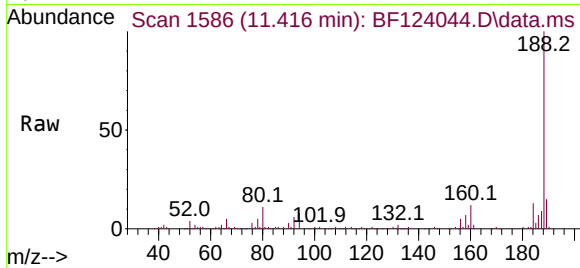




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.011 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

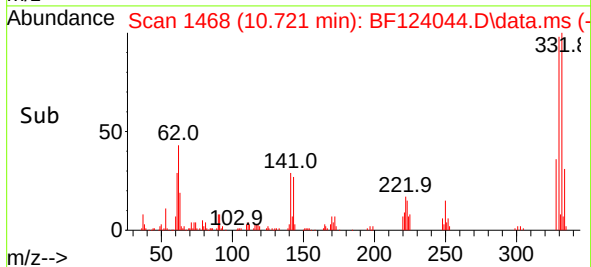
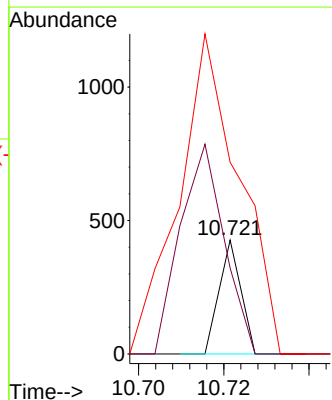
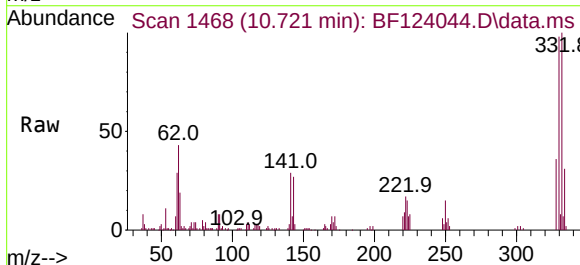
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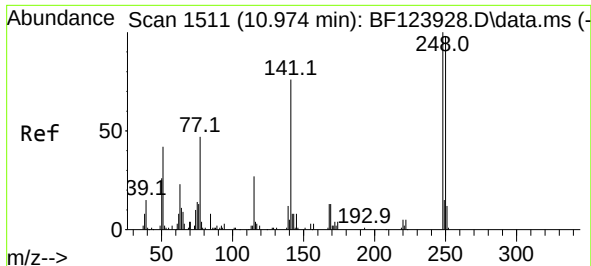
Tgt Ion:188 Resp: 157538
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 11.2 8.2 12.2



#65
4,6-Dinitro-2-methylphenol
Concen: 5.57 ng
RT: 10.721 min Scan# 1468
Delta R.T. 0.194 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

Tgt Ion:198 Resp: 151
Ion Ratio Lower Upper
198 100
51 75.4 64.8 104.8
105 168.1 42.6 82.6#

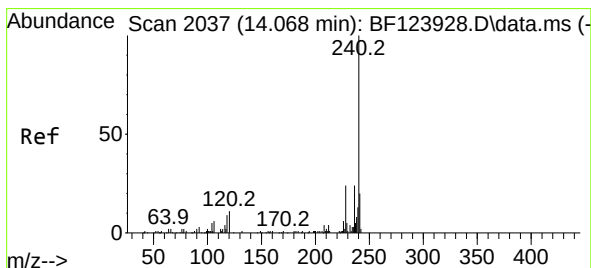
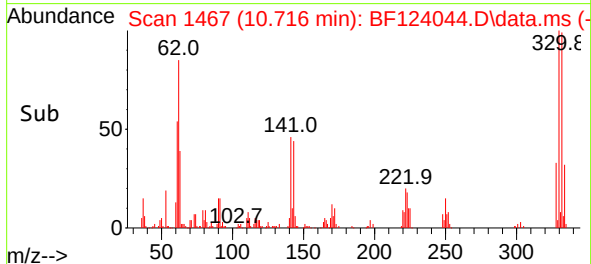
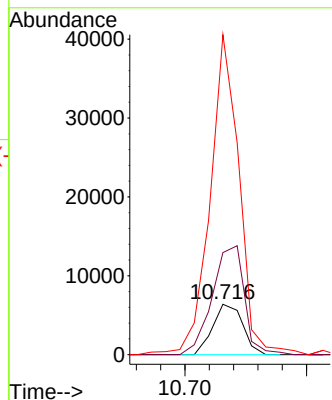
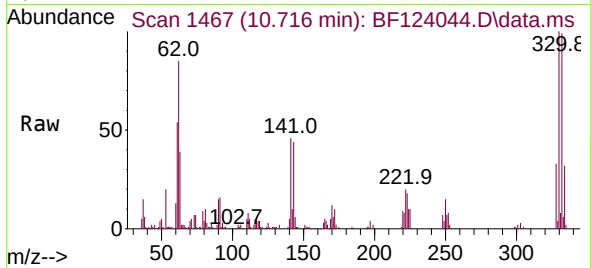




#67
4-Bromophenyl-phenylether
Concen: 2.63 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.259 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

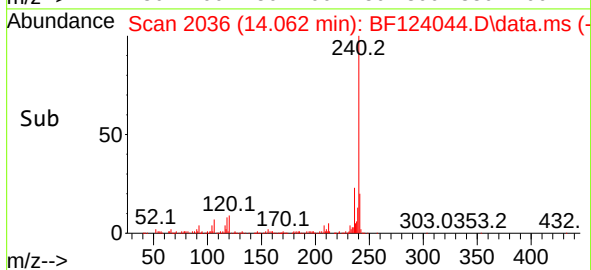
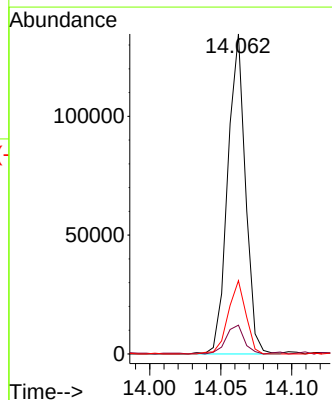
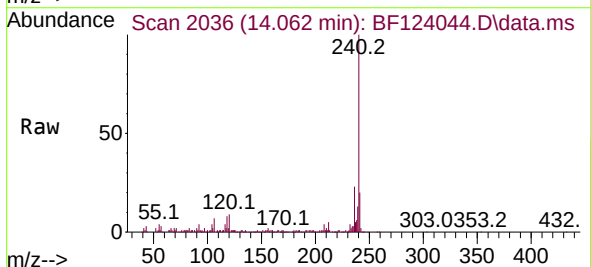
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

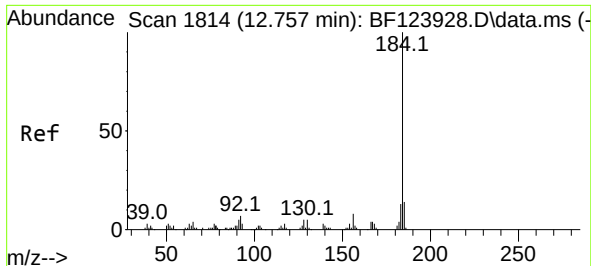
Tgt Ion:248 Resp: 5455
Ion Ratio Lower Upper
248 100
250 202.4 77.4 116.2#
141 635.0 63.7 95.5#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.062 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

Tgt Ion:240 Resp: 117008
Ion Ratio Lower Upper
240 100
120 9.0 7.2 10.8
236 22.9 19.0 28.4

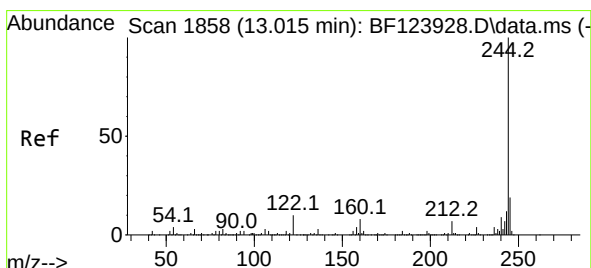
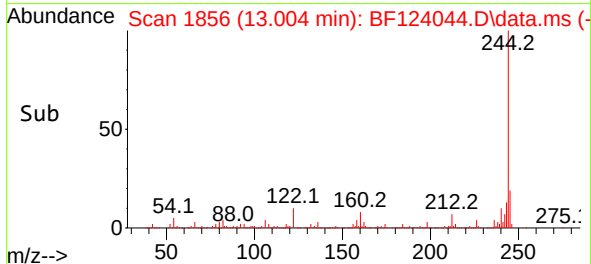
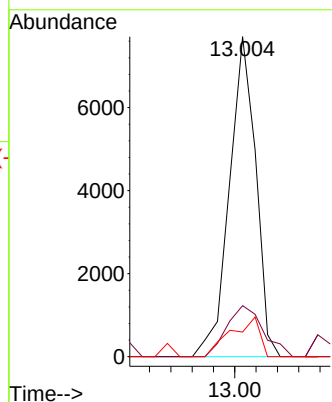
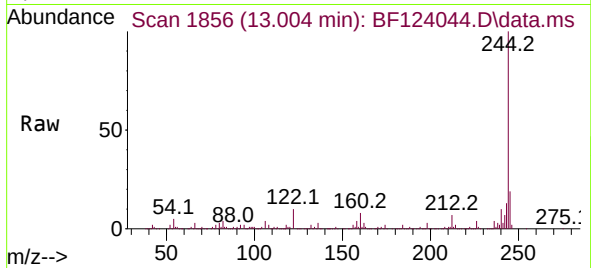




#77
Benzidine
Concen: 2.35 ng
RT: 13.004 min Scan# 1856
Delta R.T. 0.247 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

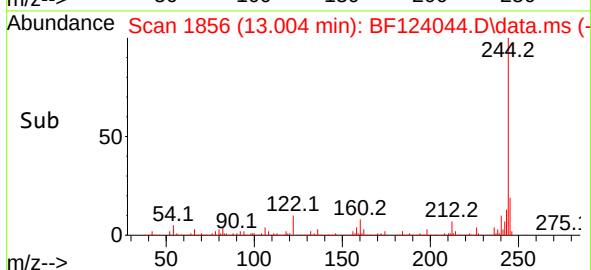
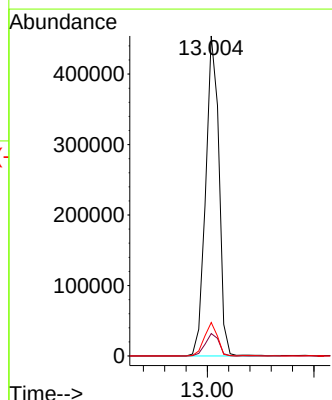
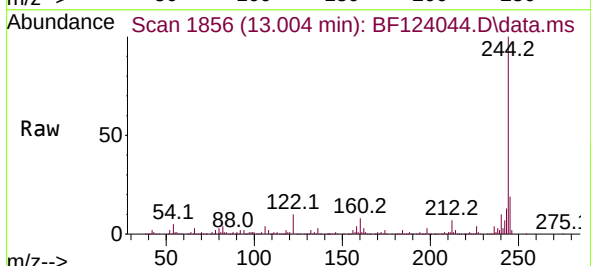
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

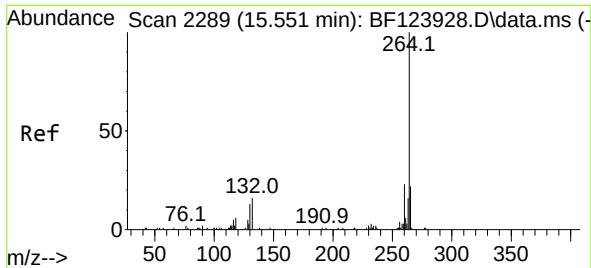
Tgt Ion:184 Resp: 6621
Ion Ratio Lower Upper
184 100
185 15.9 12.1 18.1
183 7.7 7.8 11.8#



#79
Terphenyl-d14
Concen: 51.10 ng
RT: 13.004 min Scan# 1856
Delta R.T. -0.012 min
Lab File: BF124044.D
Acq: 24 May 2021 18:46

Tgt Ion:244 Resp: 394803
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.5 9.7 14.5





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.556 min Scan# 2290
 Delta R.T. 0.006 min
 Lab File: BF124044.D
 Acq: 24 May 2021 18:46

Instrument :
 BNA_F
 ClientSampleId :
 MIXED-SUBBASE-GROUND-1-15-D

Tgt Ion:264	Resp:	75292
Ion Ratio	Lower	Upper
264	100	
260	22.1	18.7 28.1
265	25.0	17.8 26.8

