

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052121\
 Data File : BF124030.D
 Acq On : 21 May 2021 21:36
 Operator : JU/CG
 Sample : M2479-02 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: May 22 01:40:09 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)

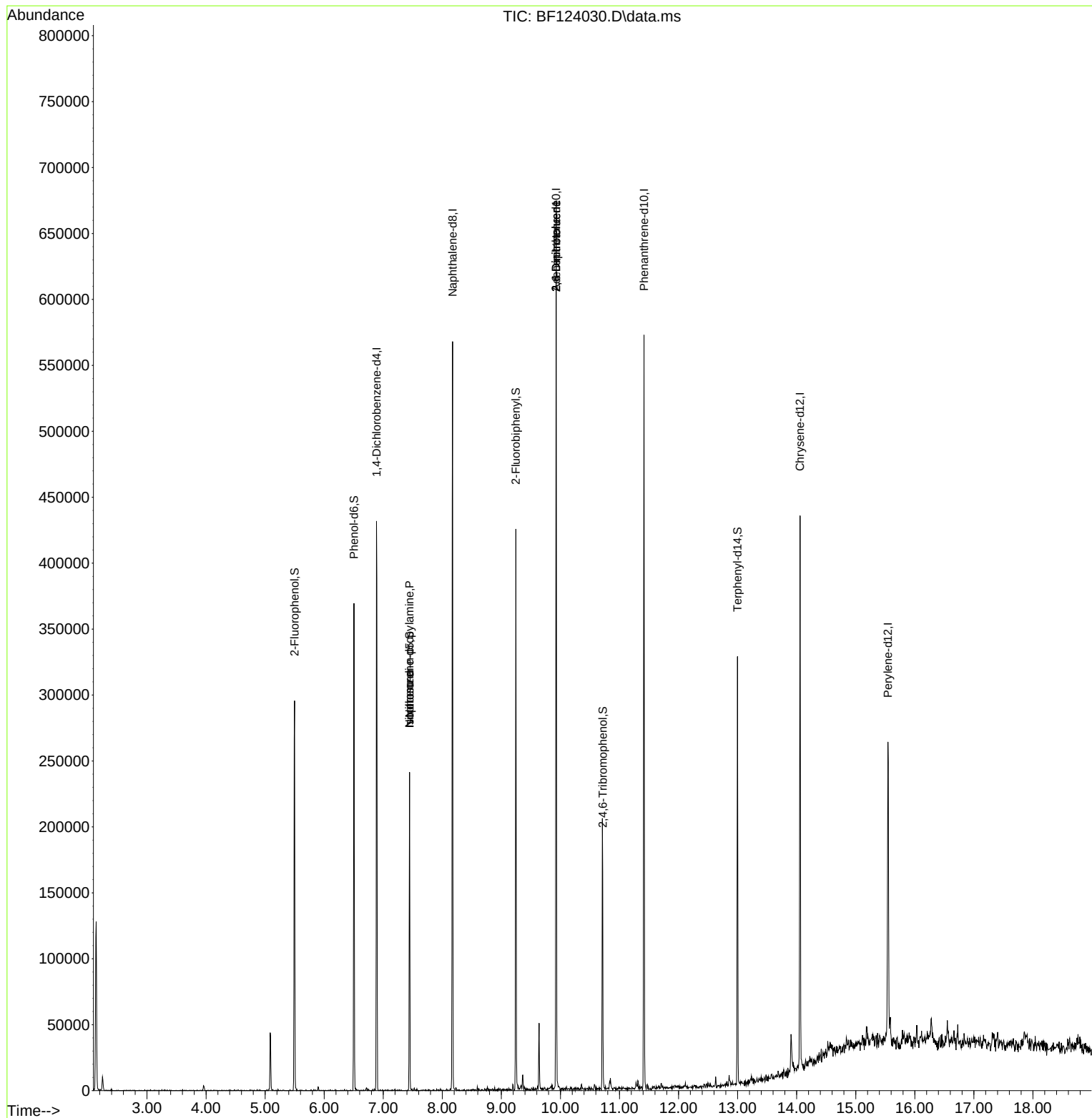
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	53444	20.00	ng	-0.02
21) Naphthalene-d8	8.175	136	203159	20.00	ng	-0.01
39) Acenaphthene-d10	9.927	164	113979	20.00	ng	-0.02
64) Phenanthrene-d10	11.416	188	173813	20.00	ng	-0.01
76) Chrysene-d12	14.057	240	122340	20.00	ng	-0.01
86) Perylene-d12	15.545	264	90356	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	62191	16.34	ng	-0.01
7) Phenol-d6	6.504	99	77475	15.69	ng	-0.02
23) Nitrobenzene-d5	7.445	82	57266	12.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	21053	15.38	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	99312	10.72	ng	-0.02
79) Terphenyl-d14	12.998	244	82518	10.22	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	8204	2.46	ng	# 83
25) Isophorone	7.445	82	57280	6.31	ng	# 69
51) 2,6-Dinitrotoluene	9.927	165	12827	6.97	ng	# 11
57) 2,4-Dinitrotoluene	9.927	165	12827	5.68	ng	# 17

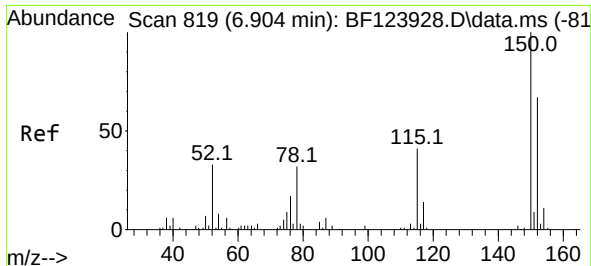
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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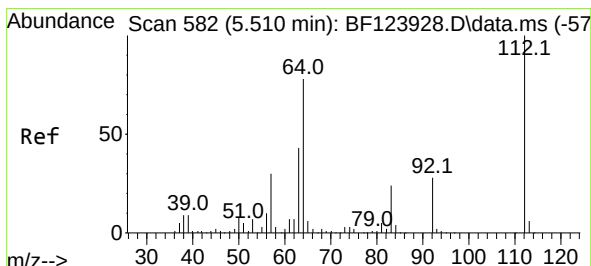
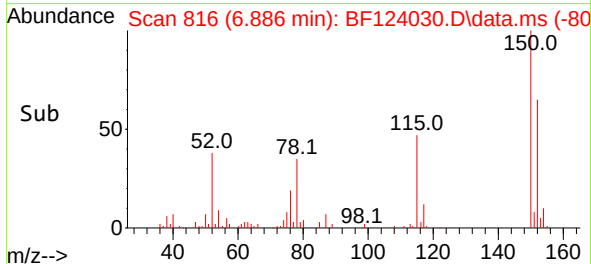
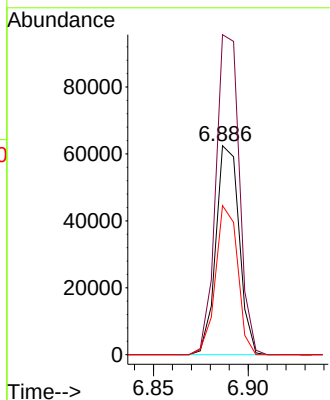
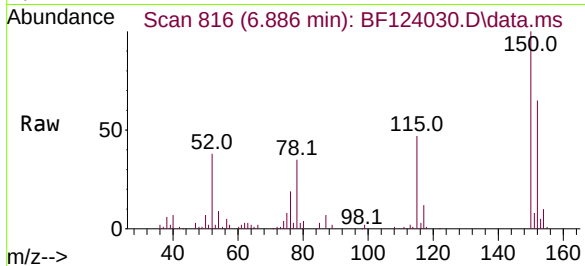




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.018 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

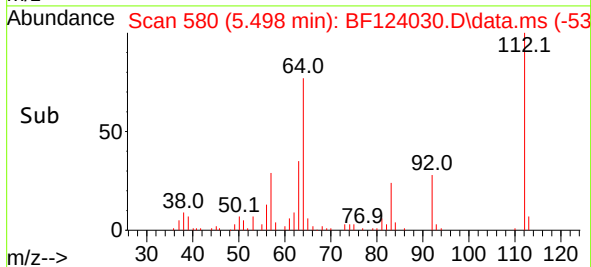
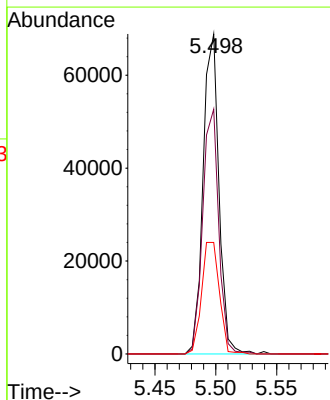
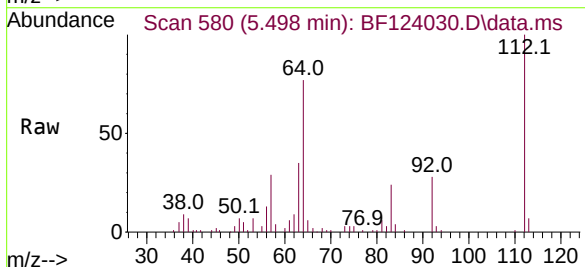
Instrument :
BNA_F
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MIXED-SUBBASE-GROUND-1-15-D

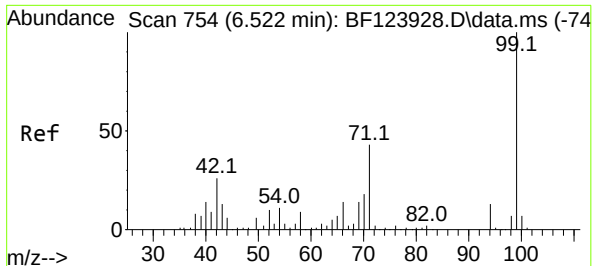
Tgt Ion:152 Resp: 53444
Ion Ratio Lower Upper
152 100
150 153.2 127.0 190.6
115 71.4 54.3 81.5



#5
2-Fluorophenol
Concen: 16.34 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

Tgt Ion:112 Resp: 62191
Ion Ratio Lower Upper
112 100
64 76.5 61.4 92.0
63 34.8 33.0 49.4

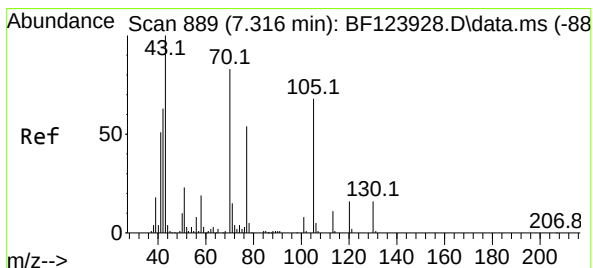
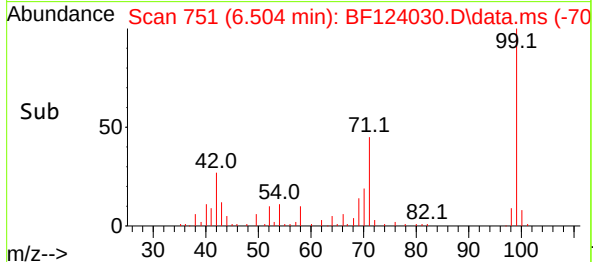
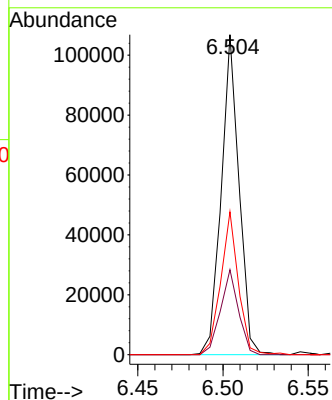
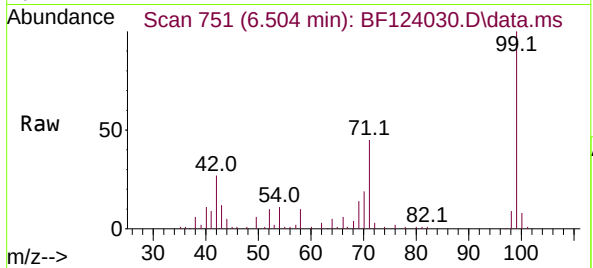




#7
Phenol-d6
Concen: 15.69 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.018 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

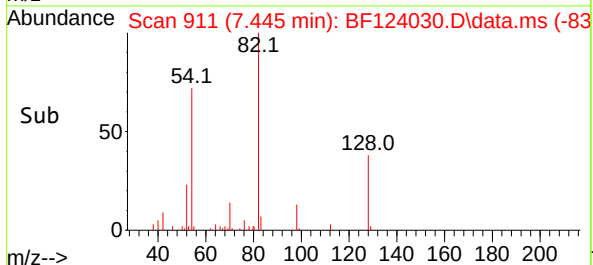
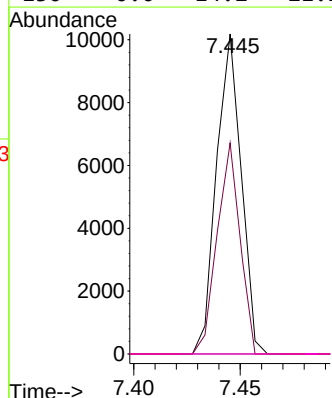
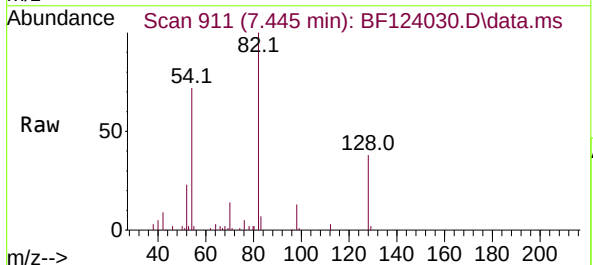
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

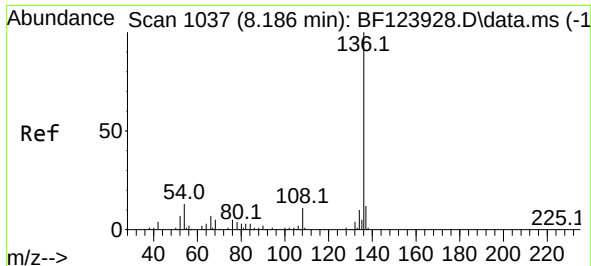
Tgt Ion: 99 Resp: 77475
Ion Ratio Lower Upper
99 100
42 26.6 19.8 29.8
71 44.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.46 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.129 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

Tgt Ion: 70 Resp: 8204
Ion Ratio Lower Upper
70 100
42 65.9 60.1 90.1
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#

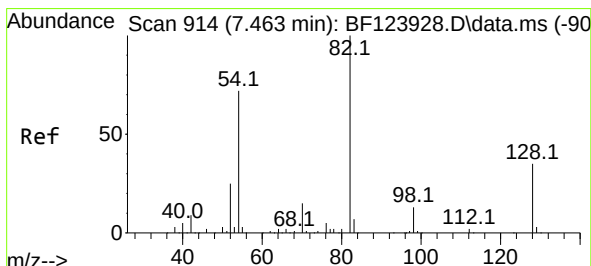
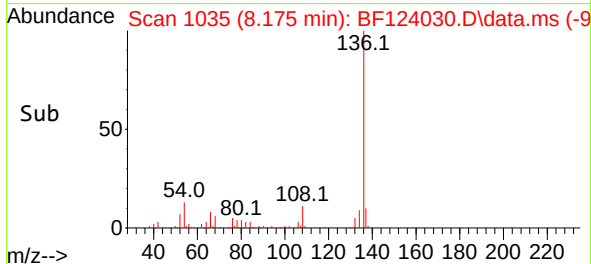
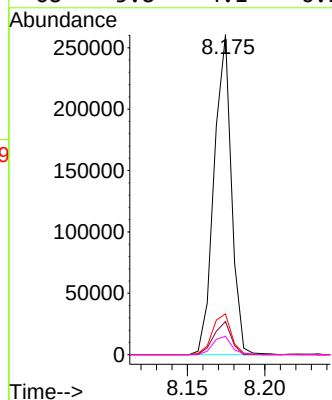
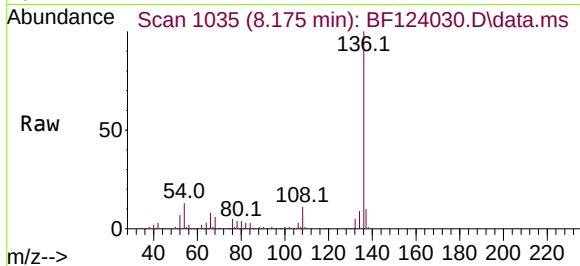




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.011 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

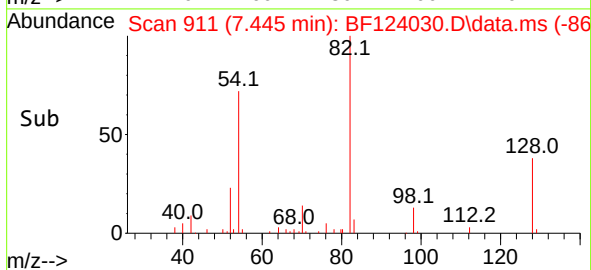
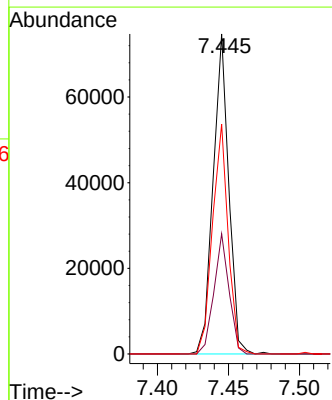
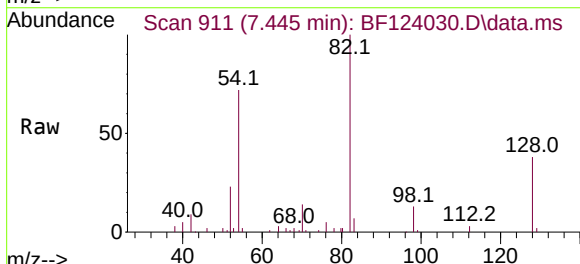
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-1-15-D

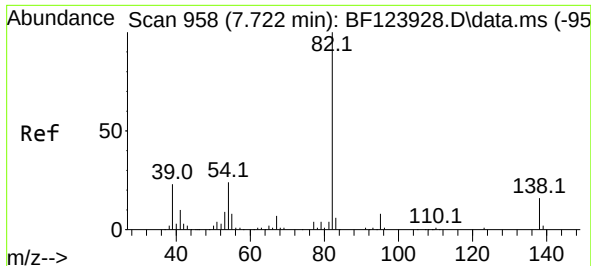
Tgt Ion:136	Resp: 203159
Ion Ratio	Lower Upper
136 100	
137 10.4	8.7 13.1
54 12.8	9.8 14.6
68 5.8	4.1 6.1



#23
Nitrobenzene-d5
Concen: 12.14 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.018 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

Tgt Ion: 82	Resp: 57266
Ion Ratio	Lower Upper
82 100	
128 37.5	29.4 44.2
54 71.9	54.1 81.1

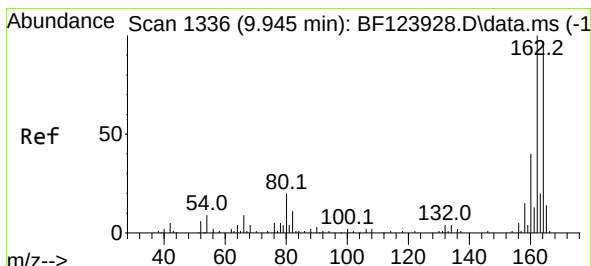
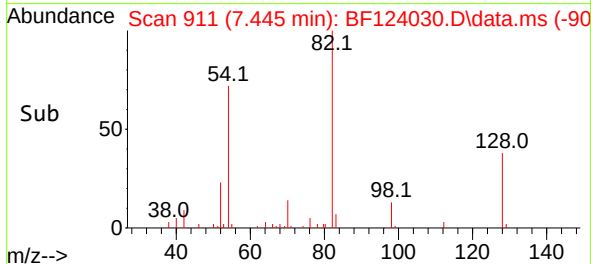
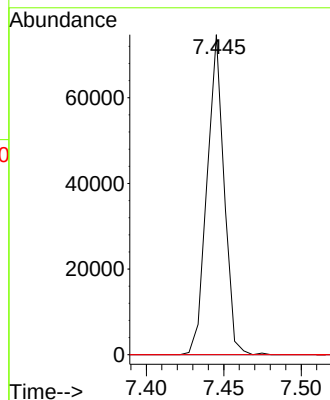
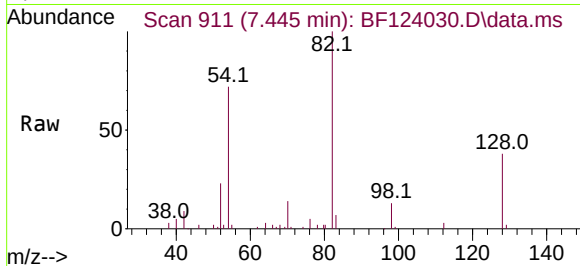




#25
Isophorone
Concen: 6.31 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.277 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

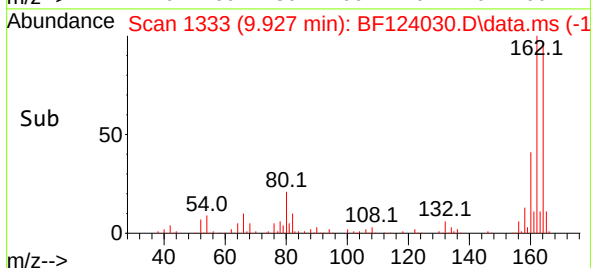
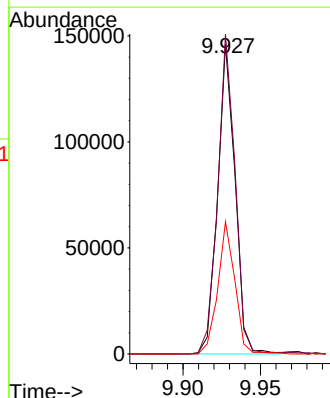
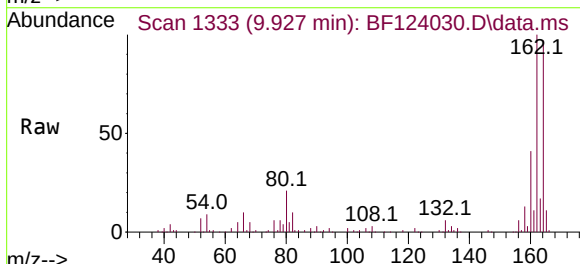
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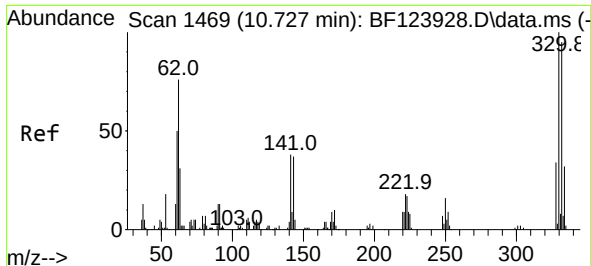
Tgt Ion: 82 Resp: 57280
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

Tgt Ion: 164 Resp: 113979
Ion Ratio Lower Upper
164 100
162 103.2 80.7 121.1
160 42.7 37.3 55.9

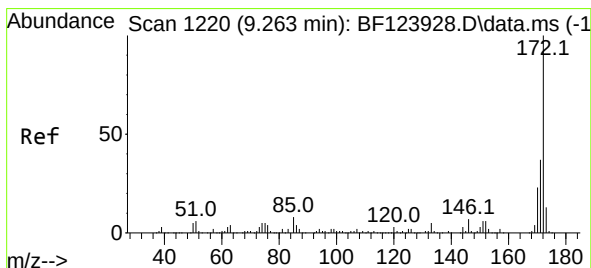
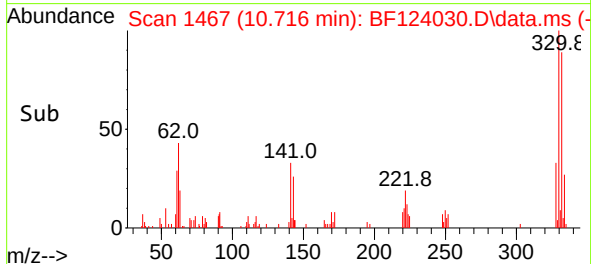
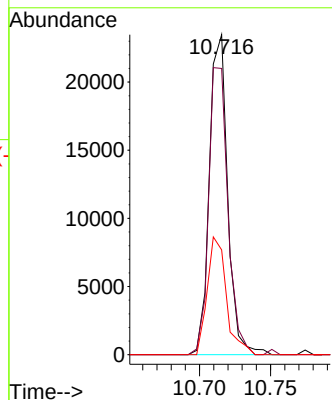
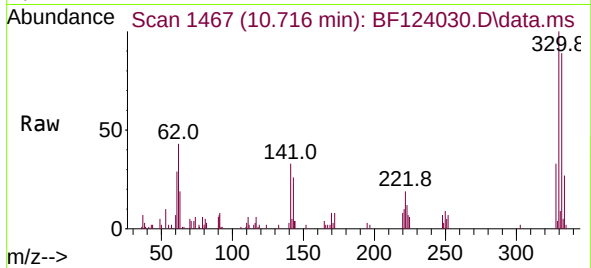




#42
2,4,6-Tribromophenol
Concen: 15.38 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.012 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

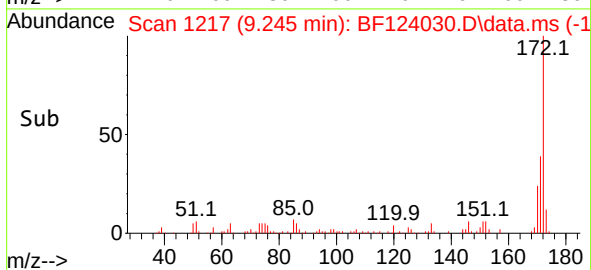
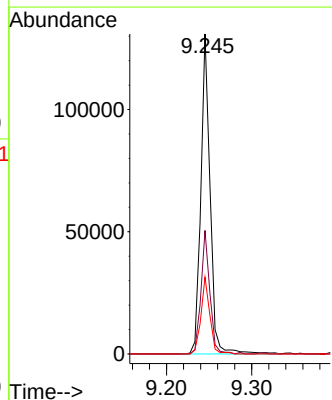
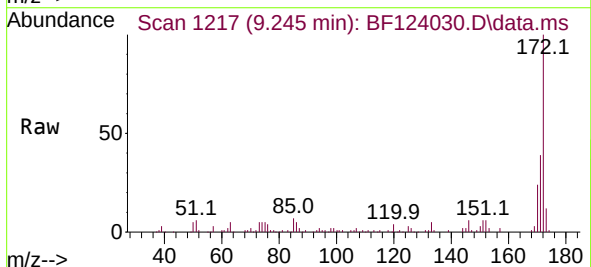
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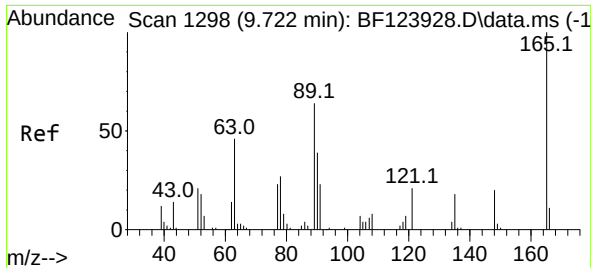
Tgt Ion: 330 Resp: 21053
Ion Ratio Lower Upper
330 100
332 94.4 77.1 115.7
141 38.5 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 10.72 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.018 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

Tgt Ion: 172 Resp: 99312
Ion Ratio Lower Upper
172 100
171 38.6 28.1 42.1
170 24.0 19.2 28.8

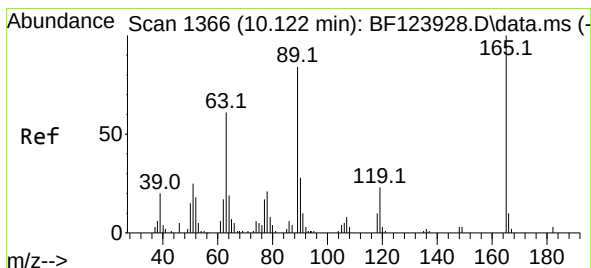
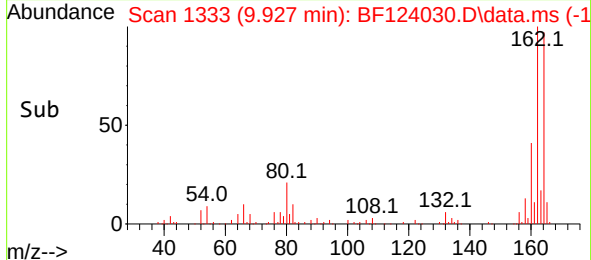
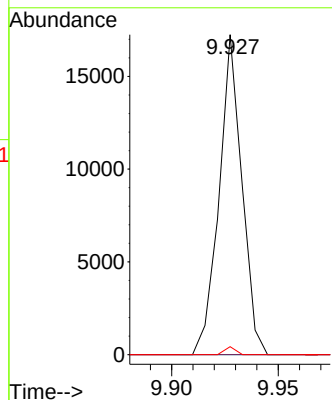
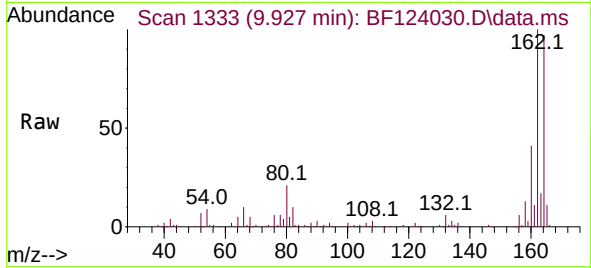




#51
2,6-Dinitrotoluene
Concen: 6.97 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.206 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

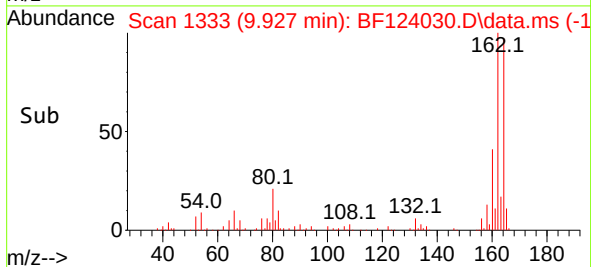
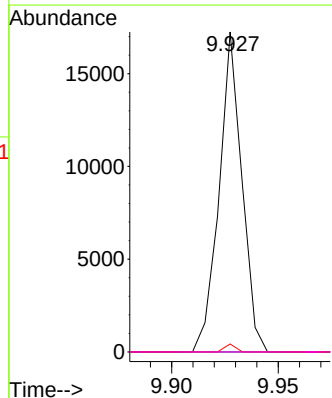
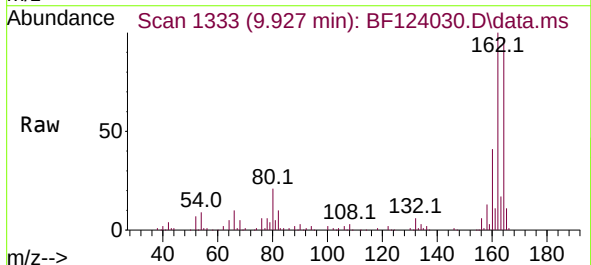
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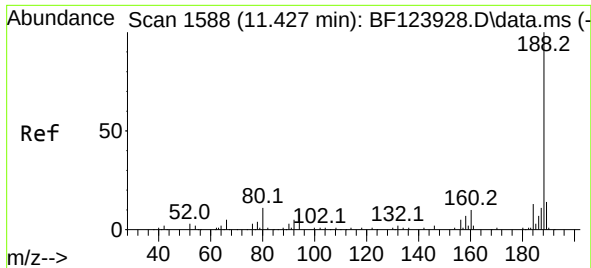
Tgt Ion:165 Resp: 12827
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 2.5 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.68 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

Tgt Ion:165 Resp: 12827
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 2.5 67.7 101.5#
182 0.0 2.1 3.1#

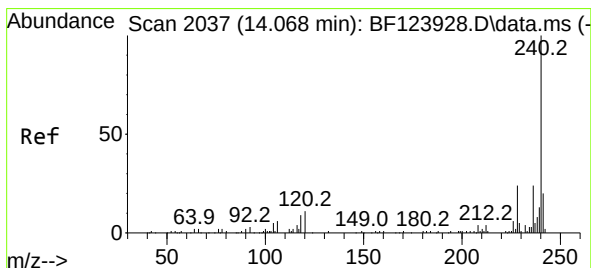
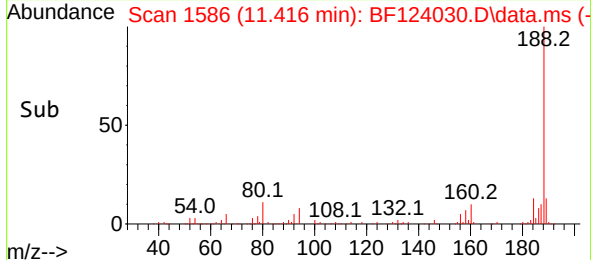
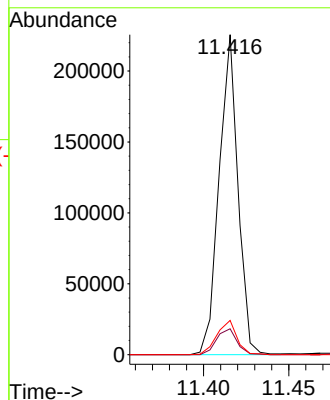
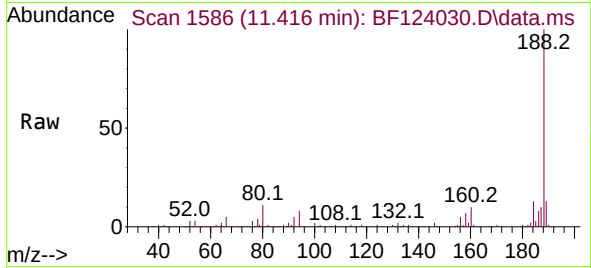




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.011 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

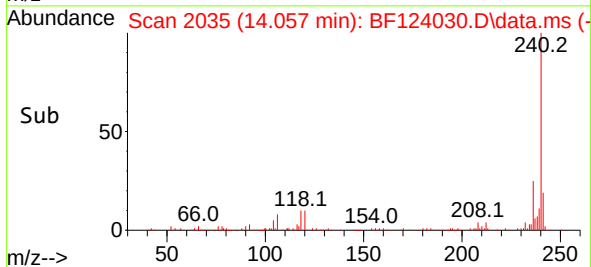
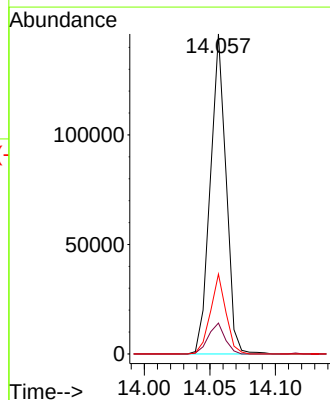
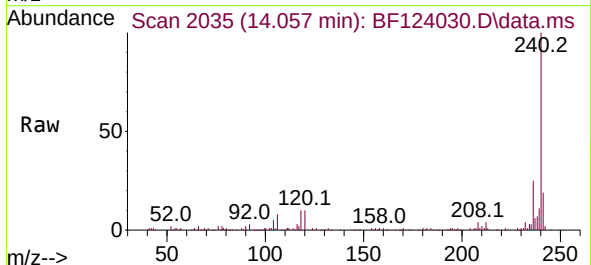
Instrument :
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MIXED-SUBBASE-GROUND-1-15-D

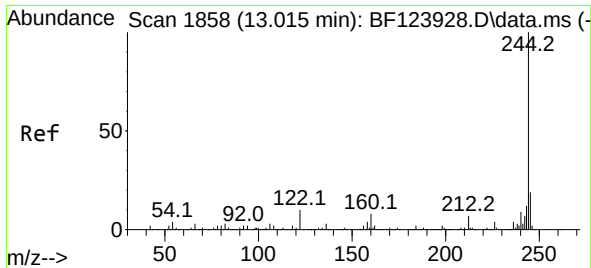
Tgt Ion:188 Resp: 173813
Ion Ratio Lower Upper
188 100
94 8.1 6.9 10.3
80 10.7 8.2 12.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF124030.D
Acq: 21 May 2021 21:36

Tgt Ion:240 Resp: 122340
Ion Ratio Lower Upper
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120 9.7 7.2 10.8
236 24.9 19.0 28.4

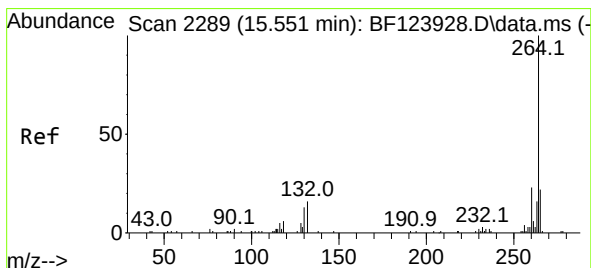
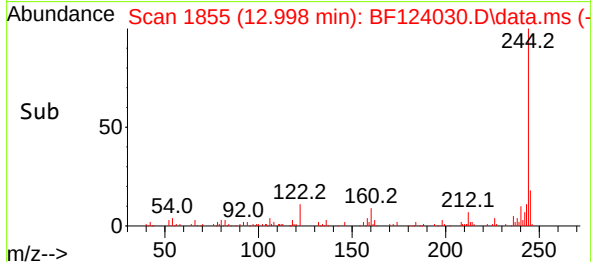
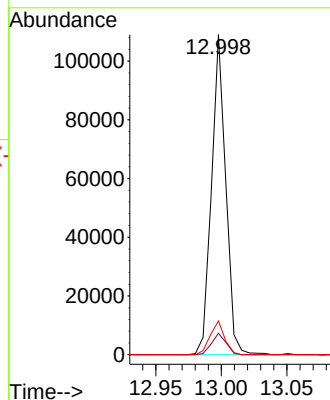
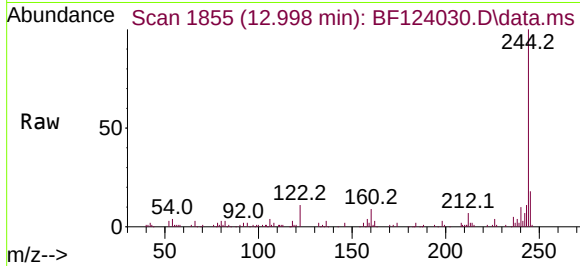




#79
 Terphenyl-d14
 Concen: 10.22 ng
 RT: 12.998 min Scan# 1855
 Delta R.T. -0.018 min
 Lab File: BF124030.D
 Acq: 21 May 2021 21:36

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

Tgt Ion:244	Resp:	82518
Ion Ratio	Lower	Upper
244	100	
212	6.7	5.7 8.5
122	10.5	9.7 14.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.545 min Scan# 2288
 Delta R.T. -0.006 min
 Lab File: BF124030.D
 Acq: 21 May 2021 21:36

Tgt Ion:264	Resp:	90356
Ion Ratio	Lower	Upper
264	100	
260	23.6	18.7 28.1
265	21.0	17.8 26.8

