

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052121\
 Data File : BF124031.D
 Acq On : 21 May 2021 22:09
 Operator : JU/CG
 Sample : M2479-04 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MIXED-SUBBASE-GROUND-4-10-D

Quant Time: May 22 01:40:17 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)

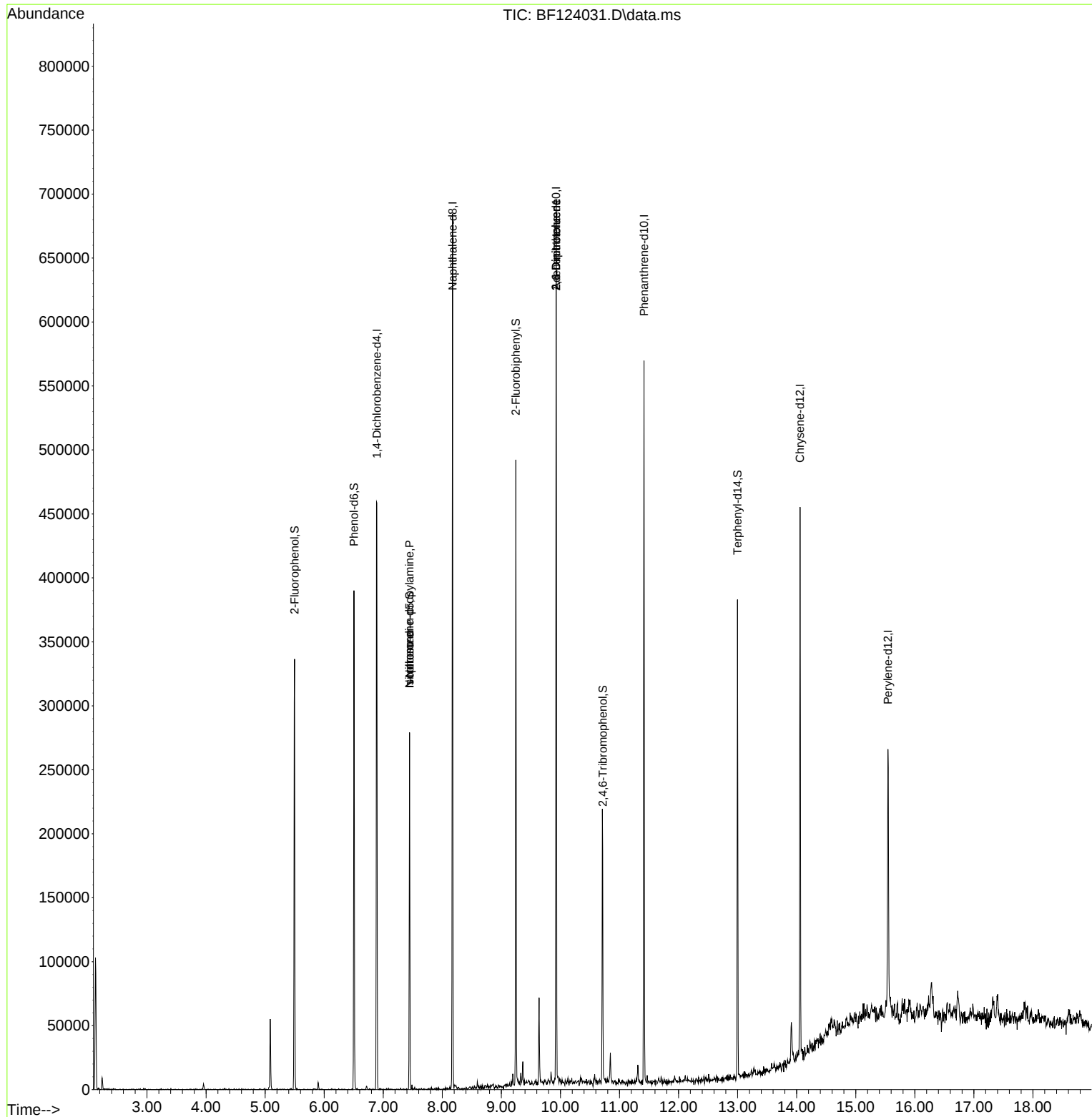
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	59462	20.00	ng	-0.01
21) Naphthalene-d8	8.175	136	225825	20.00	ng	-0.01
39) Acenaphthene-d10	9.927	164	114785	20.00	ng	-0.02
64) Phenanthrene-d10	11.416	188	172237	20.00	ng	-0.01
76) Chrysene-d12	14.057	240	128690	20.00	ng	-0.01
86) Perylene-d12	15.545	264	81907	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	71888	16.97	ng	-0.01
7) Phenol-d6	6.504	99	89486	16.29	ng	-0.02
23) Nitrobenzene-d5	7.445	82	66299	12.65	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	19740	14.32	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	120059	12.87	ng	-0.02
79) Terphenyl-d14	12.998	244	94746	11.15	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	9643	2.60	ng	# 79
25) Isophorone	7.445	82	66298	6.58	ng	# 69
51) 2,6-Dinitrotoluene	9.927	165	14725	7.94	ng	# 12
57) 2,4-Dinitrotoluene	9.927	165	14725	6.48	ng	# 18

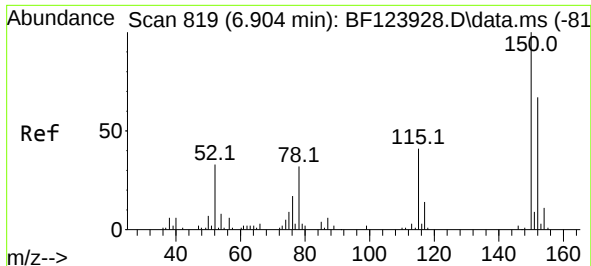
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

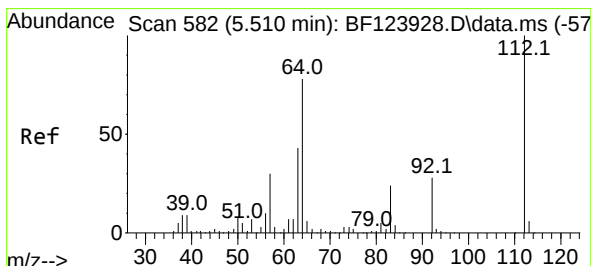
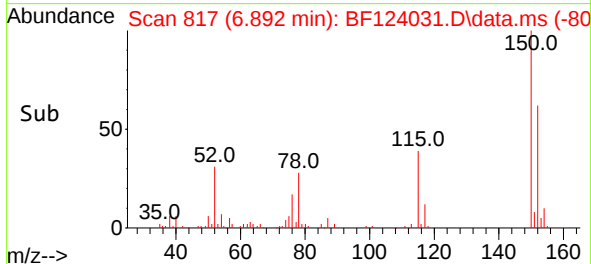
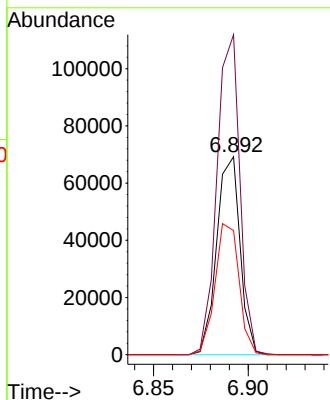
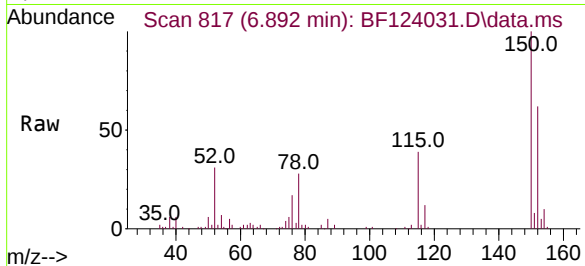




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.012 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

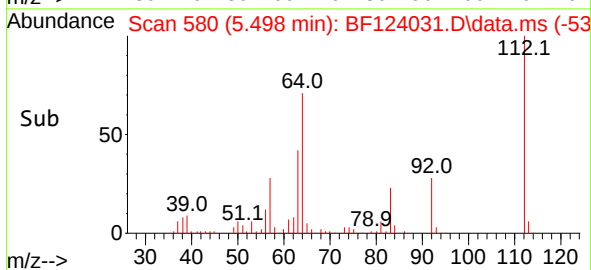
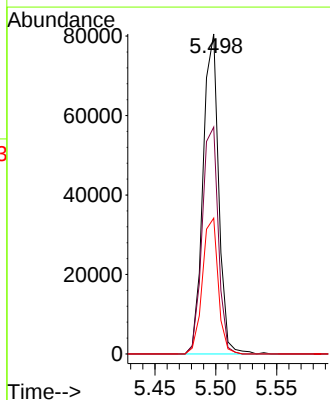
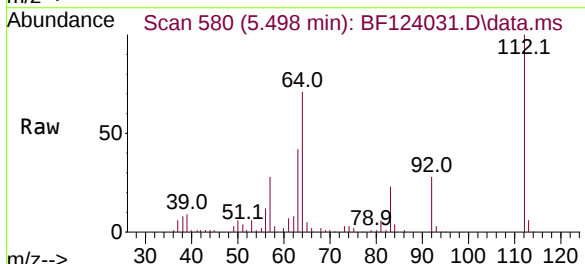
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

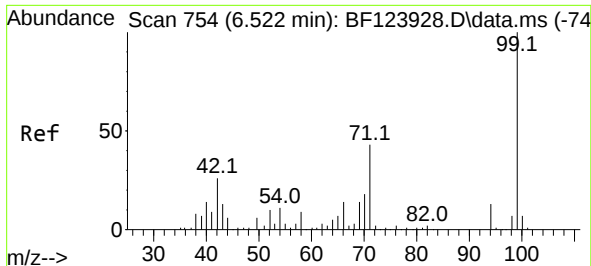
Tgt Ion:152 Resp: 59462
Ion Ratio Lower Upper
152 100
150 161.6 127.0 190.6
115 62.8 54.3 81.5



#5
2-Fluorophenol
Concen: 16.97 ng
RT: 5.498 min Scan# 580
Delta R.T. -0.012 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

Tgt Ion:112 Resp: 71888
Ion Ratio Lower Upper
112 100
64 70.9 61.4 92.0
63 42.5 33.0 49.4

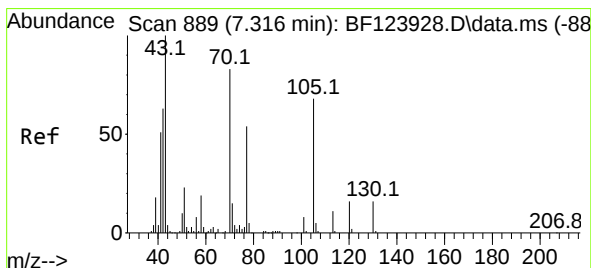
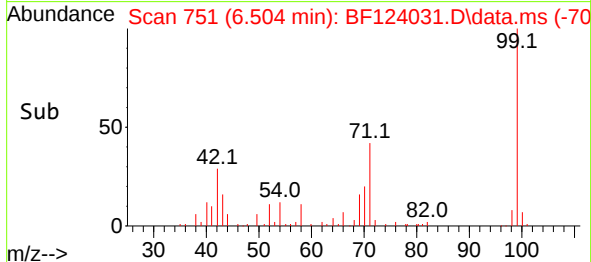
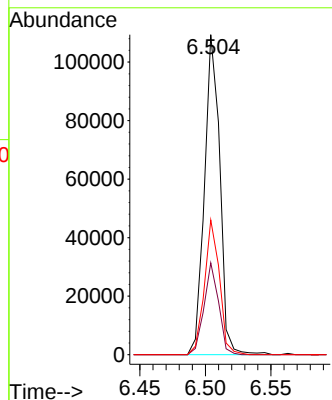
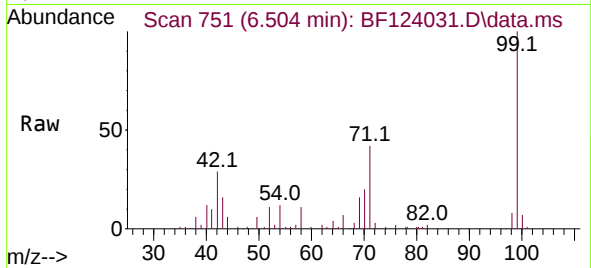




#7
Phenol-d6
Concen: 16.29 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.018 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

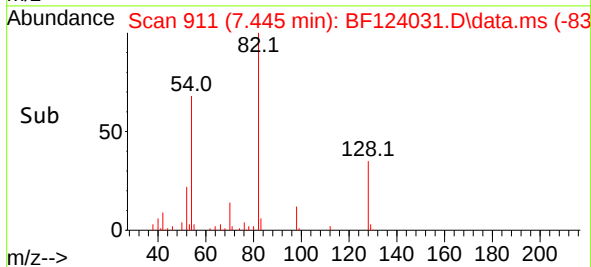
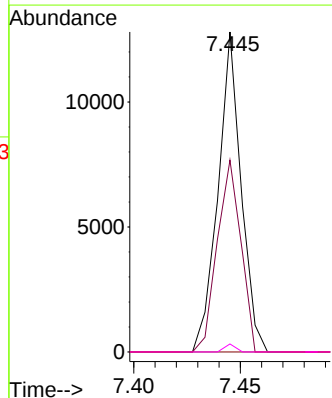
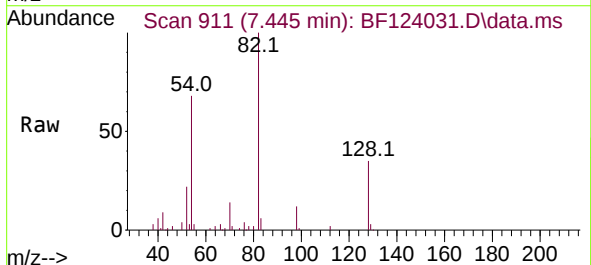
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

Tgt Ion: 99 Resp: 89486
Ion Ratio Lower Upper
99 100
42 28.7 19.8 29.8
71 42.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 2.60 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.129 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

Tgt Ion: 70 Resp: 9643
Ion Ratio Lower Upper
70 100
42 59.9 60.1 90.1#
101 0.0 7.4 11.2#
130 2.5 14.2 21.2#

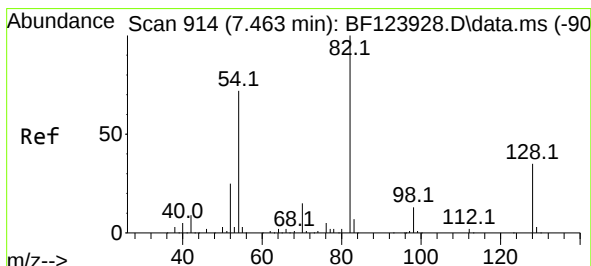
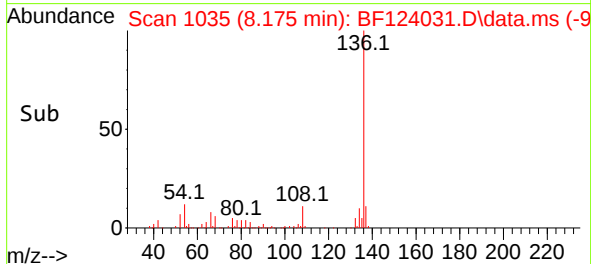
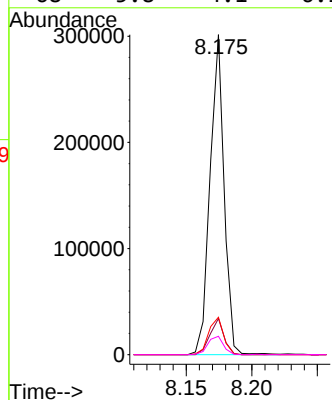
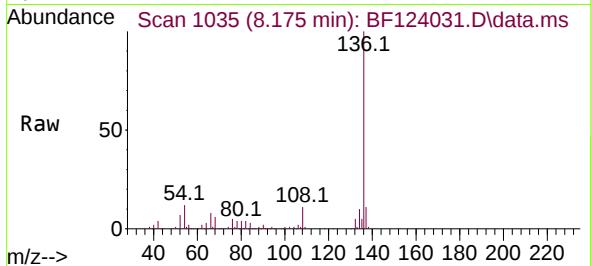




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.011 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

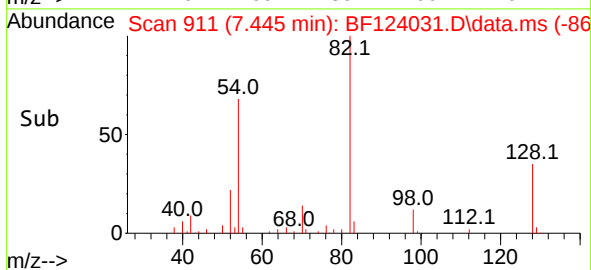
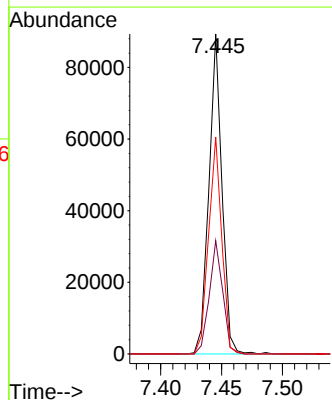
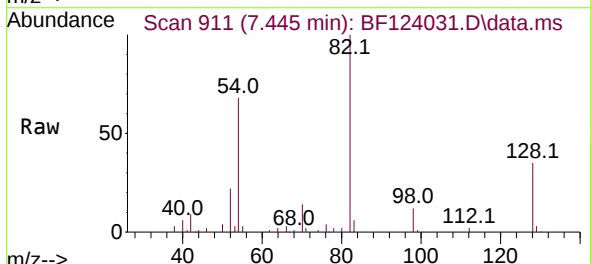
Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

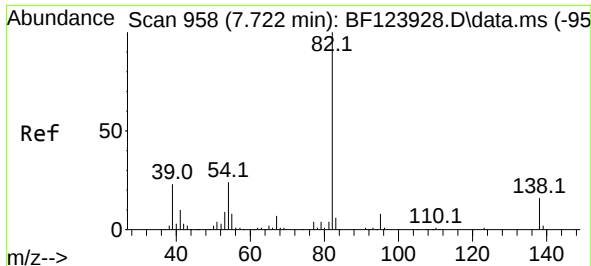
Tgt Ion:136	Resp: 225825
Ion Ratio	Lower Upper
136 100	
137 11.3	8.7 13.1
54 11.7	9.8 14.6
68 5.8	4.1 6.1



#23
Nitrobenzene-d5
Concen: 12.65 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.018 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

Tgt Ion: 82	Resp: 66299
Ion Ratio	Lower Upper
82 100	
128 35.4	29.4 44.2
54 67.8	54.1 81.1

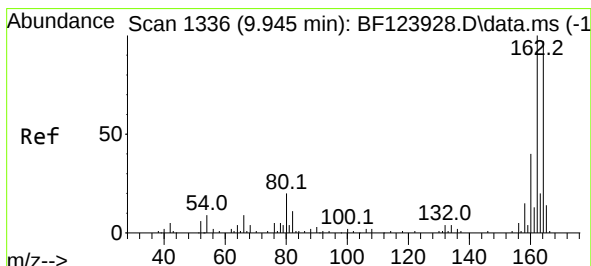
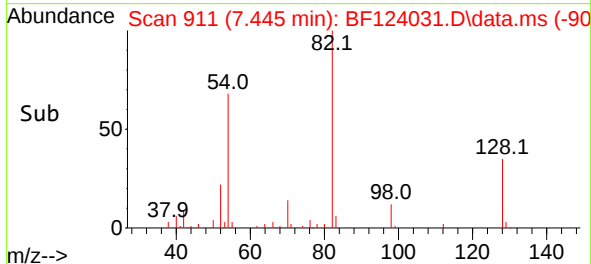
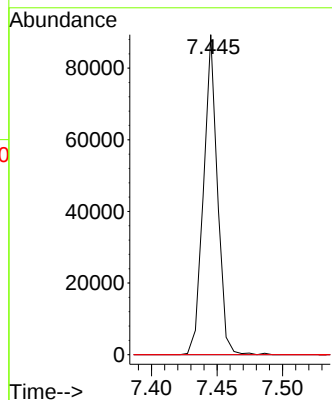
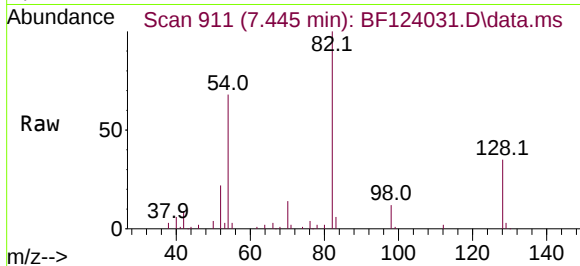




#25
Isophorone
Concen: 6.58 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.277 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

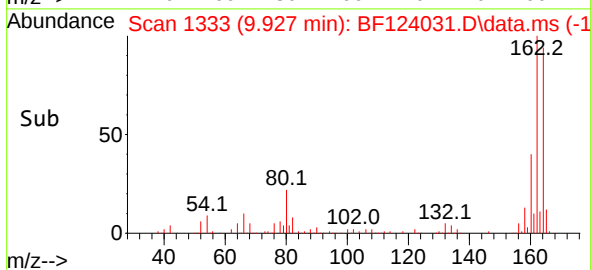
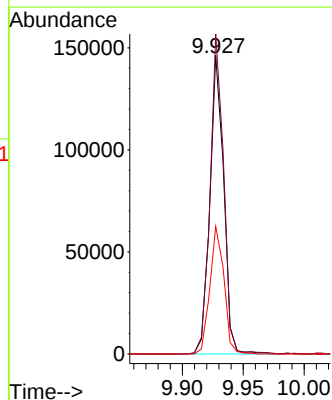
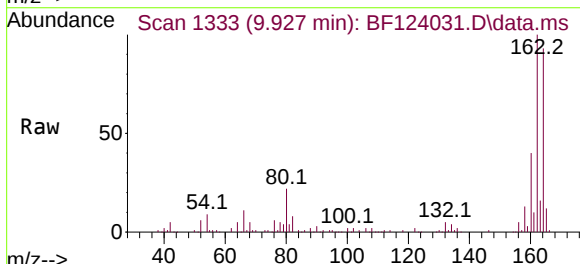
Instrument :
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ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

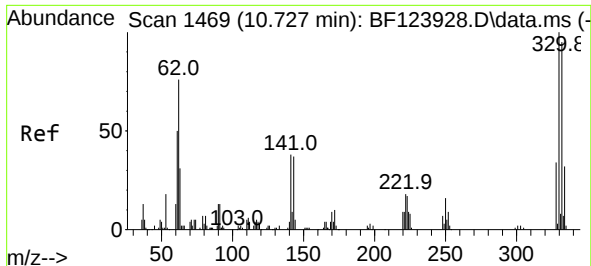
Tgt Ion: 82 Resp: 66298
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.018 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

Tgt Ion: 164 Resp: 114785
Ion Ratio Lower Upper
164 100
162 107.2 80.7 121.1
160 42.7 37.3 55.9

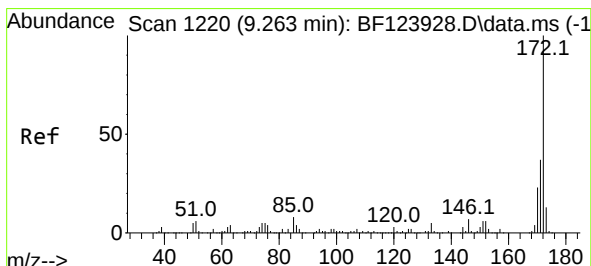
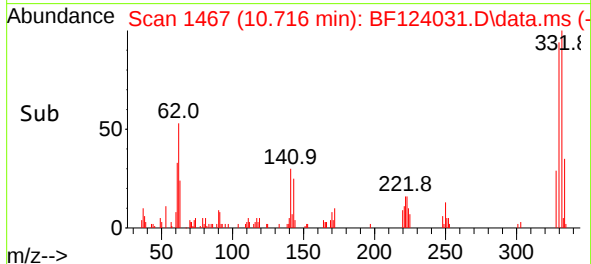
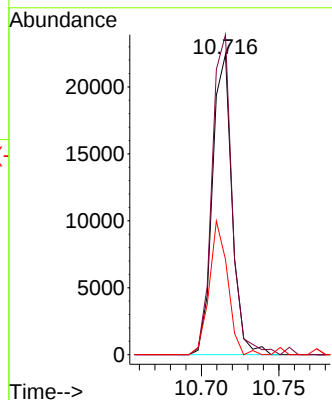
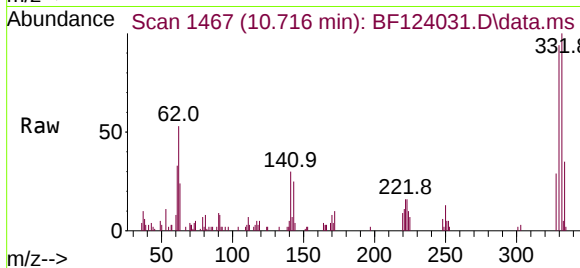




#42
2,4,6-Tribromophenol
Concen: 14.32 ng
RT: 10.716 min Scan# 1467
Delta R.T. -0.012 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

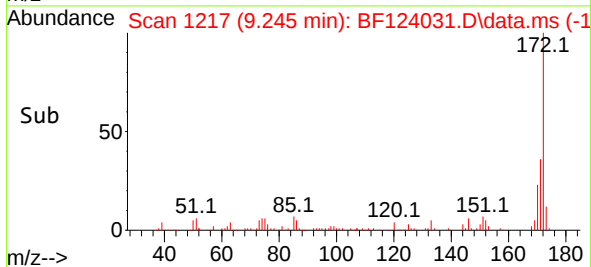
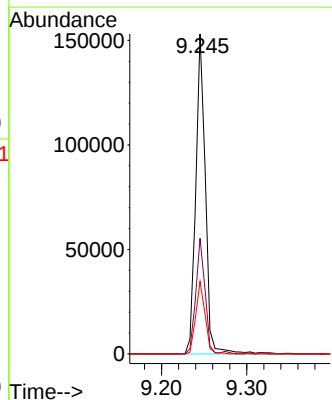
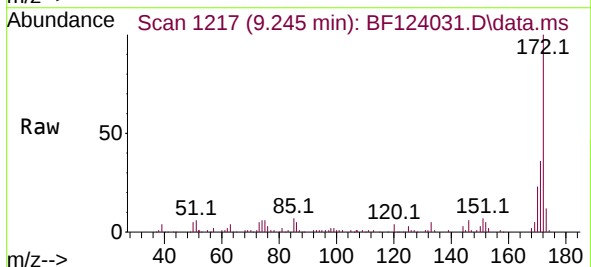
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ClientSampleId :
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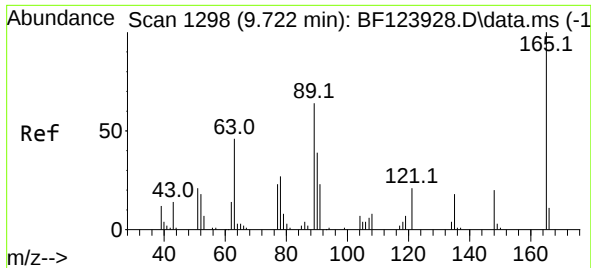
Tgt Ion: 330 Resp: 19740
Ion Ratio Lower Upper
330 100
332 108.3 77.1 115.7
141 41.7 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 12.87 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.018 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

Tgt Ion: 172 Resp: 120059
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 22.7 19.2 28.8

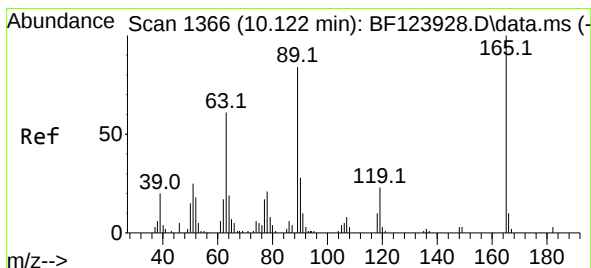
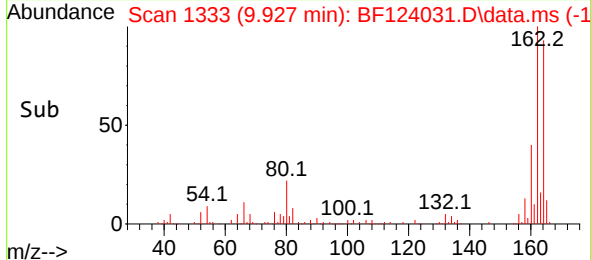
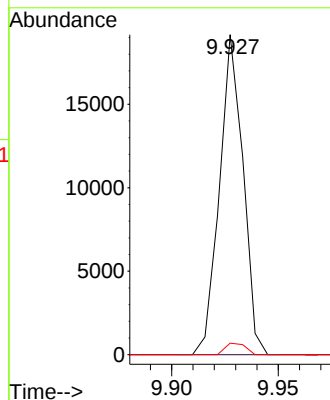
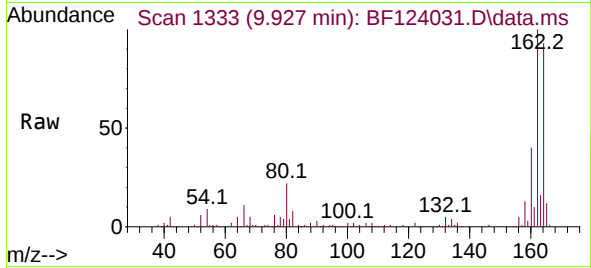




#51
2,6-Dinitrotoluene
Concen: 7.94 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.206 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

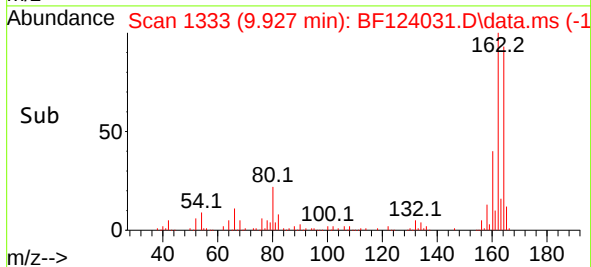
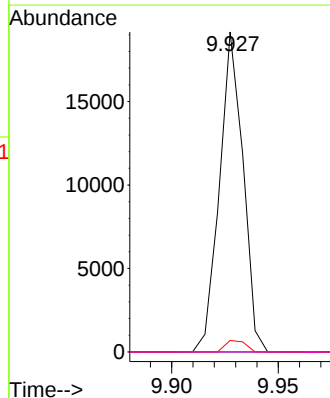
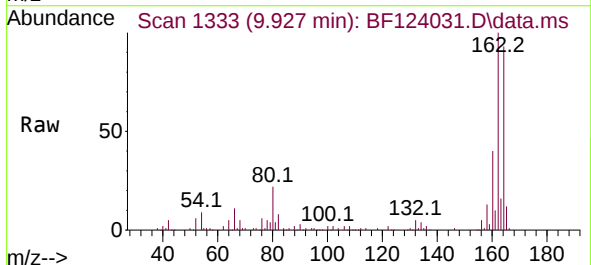
Instrument :
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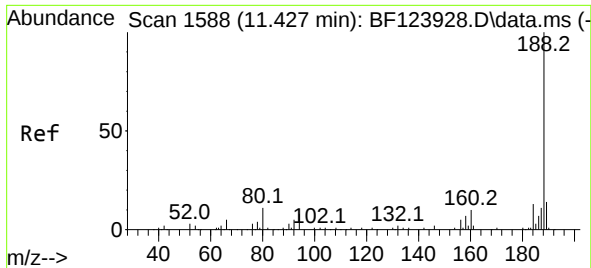
Tgt Ion:165 Resp: 14725
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 3.6 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 6.48 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.194 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

Tgt Ion:165 Resp: 14725
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.6 67.7 101.5#
182 0.0 2.1 3.1#

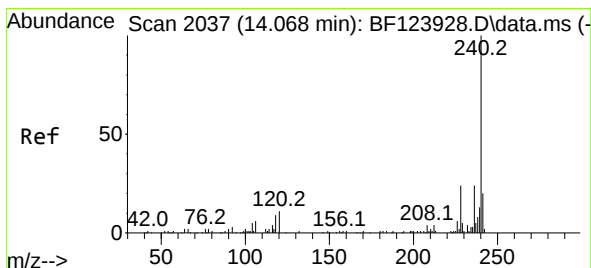
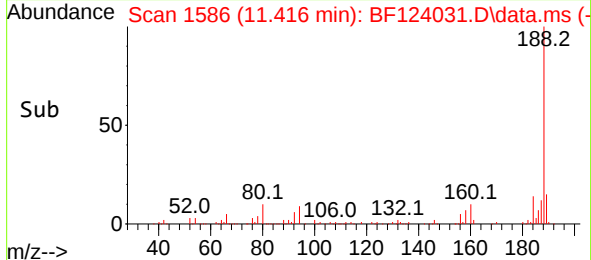
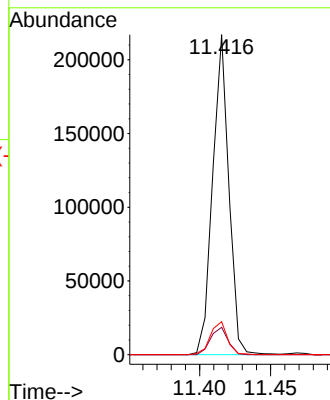
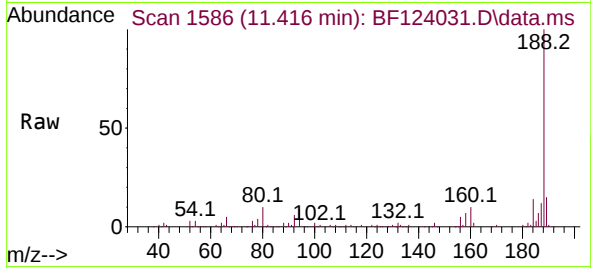




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.011 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

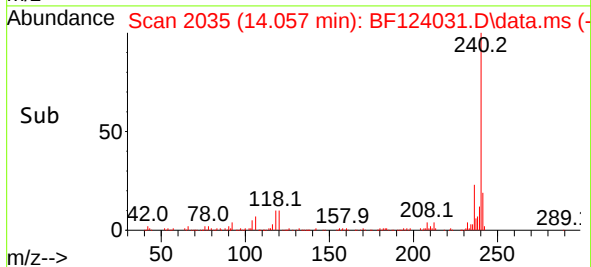
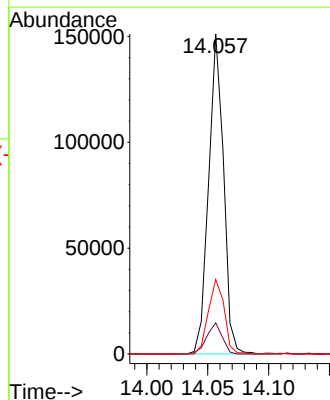
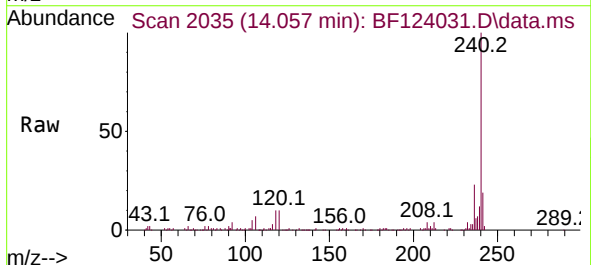
Instrument :
BNA_F
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MIXED-SUBBASE-GROUND-4-10-D

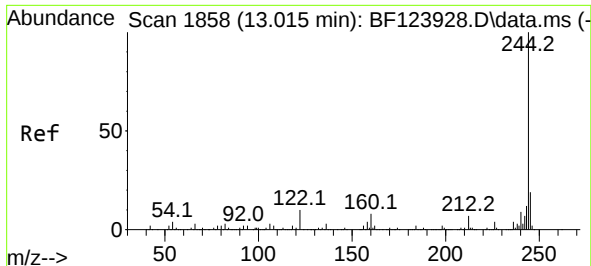
Tgt Ion:188 Resp: 172237
Ion Ratio Lower Upper
188 100
94 8.5 6.9 10.3
80 10.3 8.2 12.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

Tgt Ion:240 Resp: 128690
Ion Ratio Lower Upper
240 100
120 9.8 7.2 10.8
236 23.2 19.0 28.4

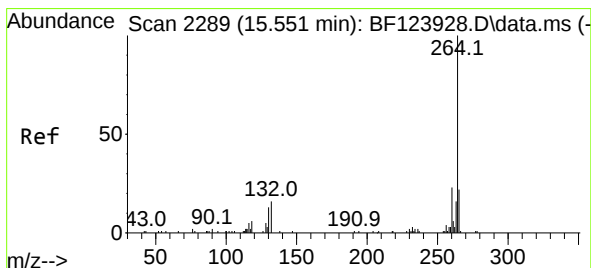
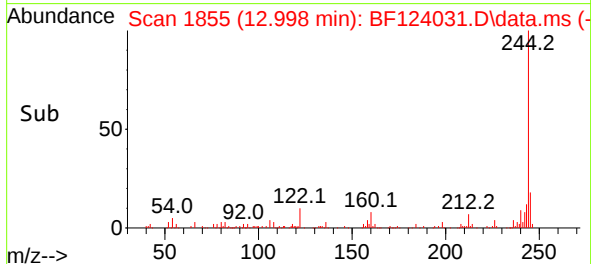
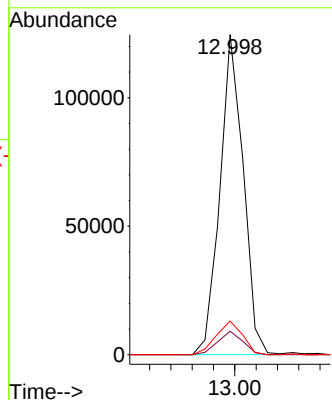
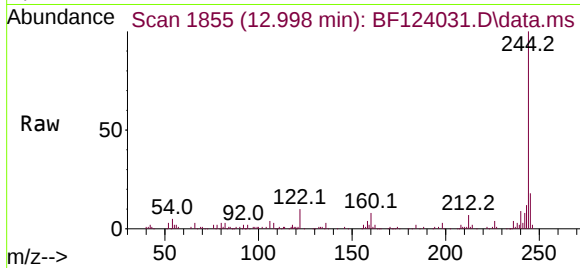




#79
Terphenyl-d14
Concen: 11.15 ng
RT: 12.998 min Scan# 1855
Delta R.T. -0.018 min
Lab File: BF124031.D
Acq: 21 May 2021 22:09

Instrument :
BNA_F
ClientSampleId :
MIXED-SUBBASE-GROUND-4-10-D

Tgt Ion:	244	Resp:	94746
Ion Ratio	Lower	Upper	
244	100		
212	7.4	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: BF124031.D
Acq: 21 May 2021 22:09

Tgt Ion:	264	Resp:	81907
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.7	28.1
265	21.5	17.8	26.8

