

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092421\
 Data File : BF125643.D
 Acq On : 25 Sep 2021 3:00
 Operator : JU/CG
 Sample : M3904-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JET-GROUT-SPOIL-STEEL-WHEEL

Quant Time: Sep 25 04:34:22 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 24 15:38:32 2021
 Response via : Initial Calibration

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

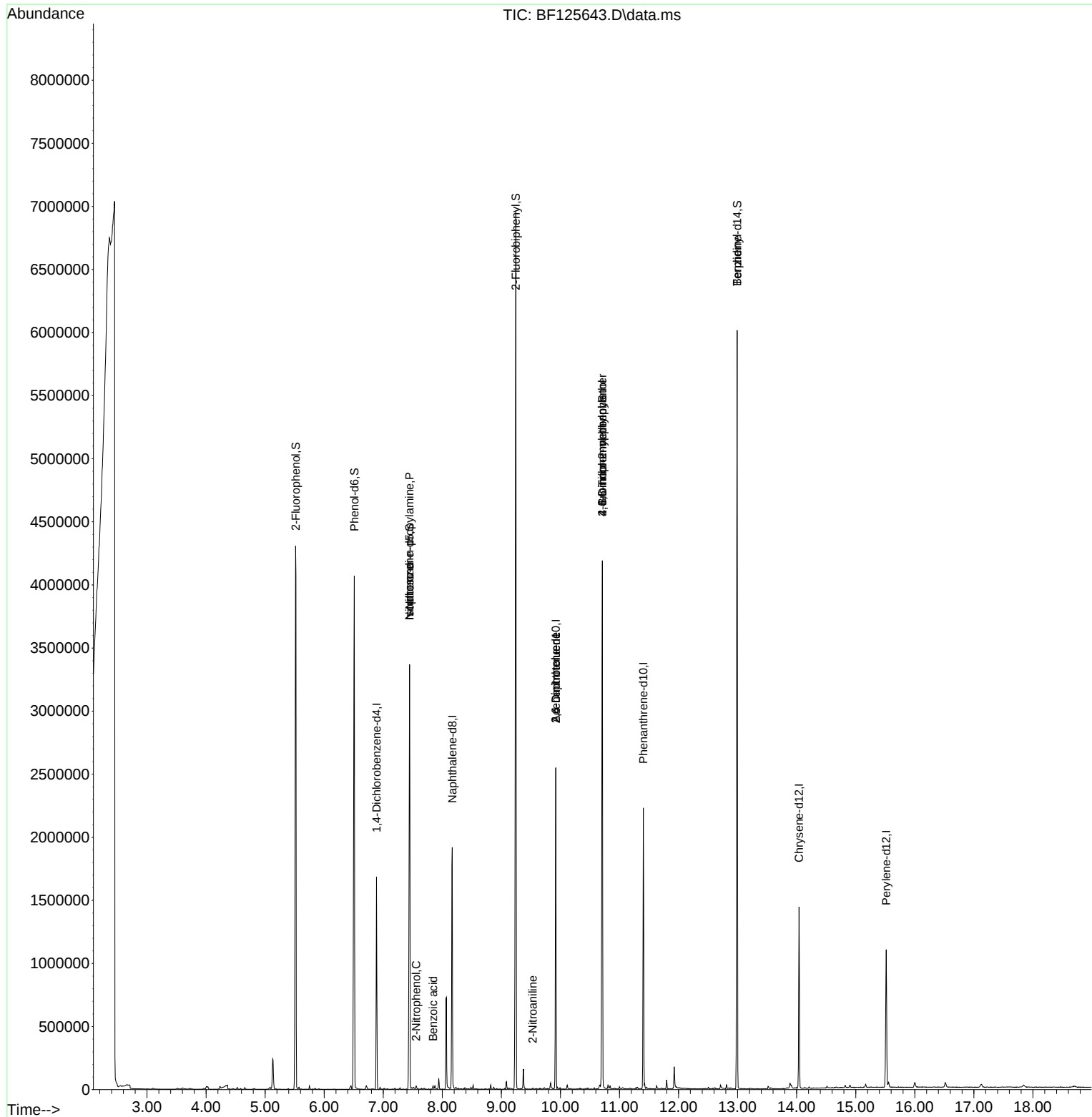
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	229886	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	944270	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	488213	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	773295	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	460137	20.000	ng	0.00
86) Perylene-d12	15.515	264	478496	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1522204	109.095	ng	0.02
7) Phenol-d6	6.510	99	1680305	89.574	ng	0.00
23) Nitrobenzene-d5	7.445	82	1238262	91.467	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	576873	126.731	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	2354752	86.975	ng	0.00
79) Terphenyl-d14	12.992	244	2037162	76.670	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	1567	Below Cal	#	85
19) n-Nitroso-di-n-propyla...	7.445	70	157062	14.705	ng	# 51
25) Isophorone	7.445	82	1235242	40.742	ng	# 59
26) 2-Nitrophenol	7.557	139	242	5.763	ng	# 39
32) Benzoic acid	7.845	122	8004	9.292	ng	# 99
48) 2-Nitroaniline	9.533	65	813	4.263	ng	# 1
51) 2,6-Dinitrotoluene	9.922	165	63105	12.727	ng	# 27
57) 2,4-Dinitrotoluene	9.922	165	63105	11.598	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.710	198	1066	9.243	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	31830	3.922	ng	# 1
77) Benzidine	12.992	184	26046	2.155	ng	# 94

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

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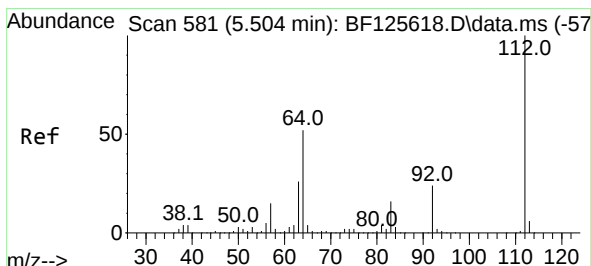
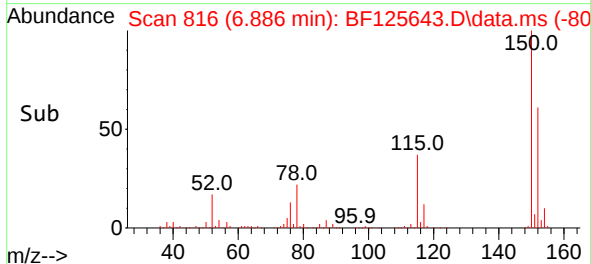
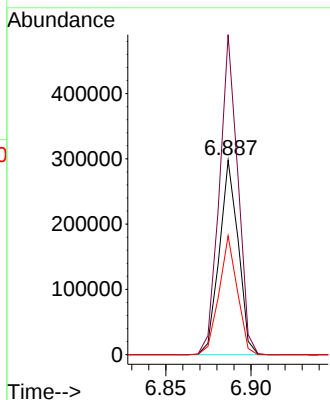
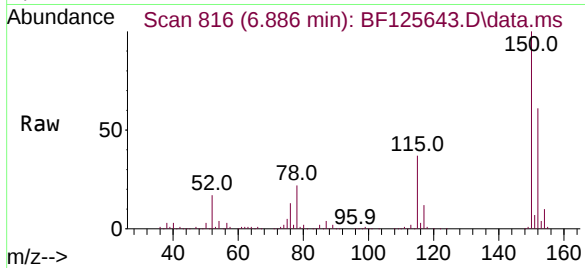




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

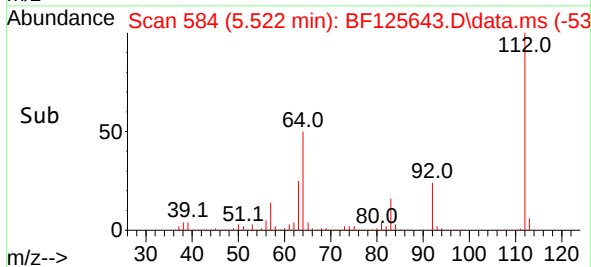
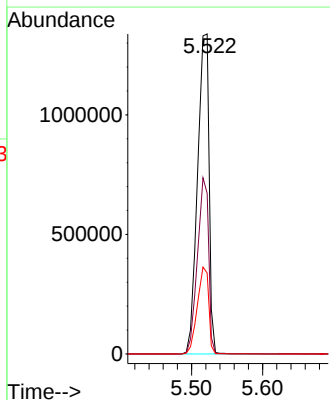
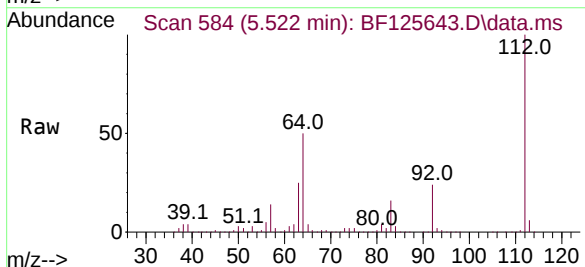
Instrument :
BNA_F
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

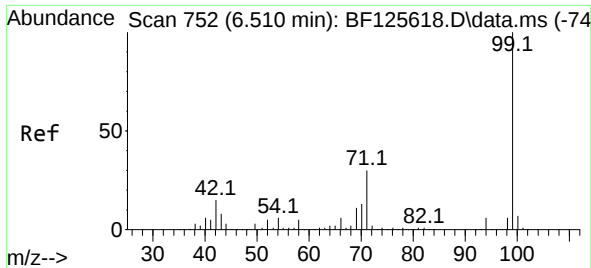
Tgt Ion:152 Resp: 229886
Ion Ratio Lower Upper
152 100
150 164.6 117.6 176.4
115 61.1 47.1 70.7



#5
2-Fluorophenol
Concen: 109.095 ng
RT: 5.522 min Scan# 584
Delta R.T. 0.018 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

Tgt Ion:112 Resp: 1522204
Ion Ratio Lower Upper
112 100
64 50.2 44.2 66.2
63 25.3 26.2 39.2#

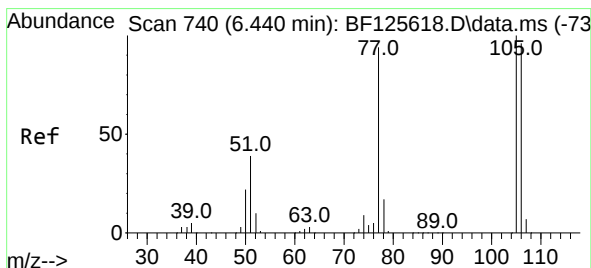
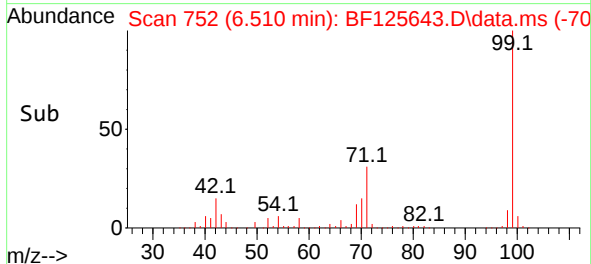
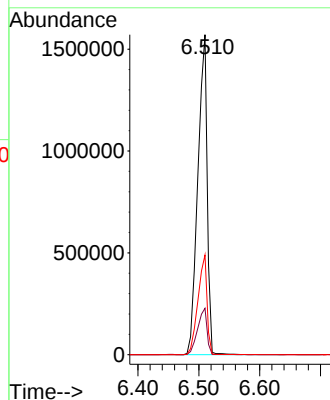
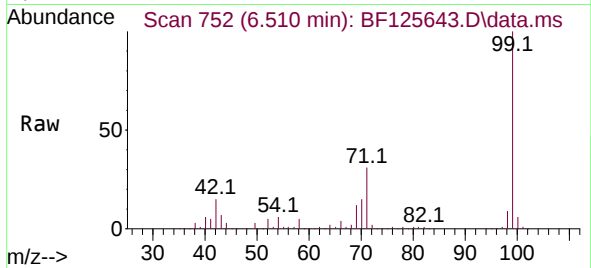




#7
Phenol-d6
Concen: 89.574 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

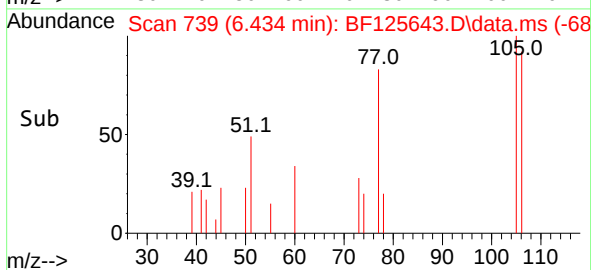
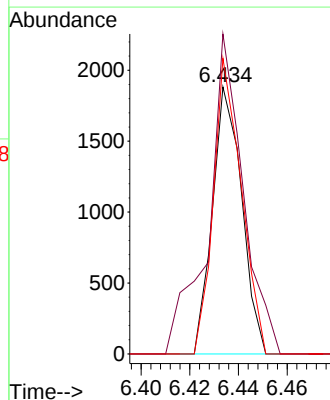
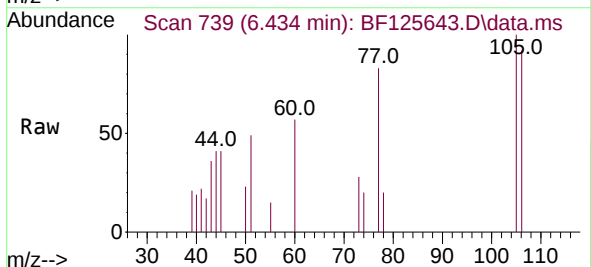
Instrument :
BNA_F
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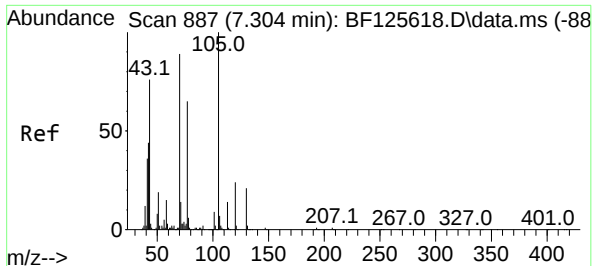
Tgt Ion: 99 Resp: 1680305
Ion Ratio Lower Upper
99 100
42 14.5 23.5 35.3#
71 31.2 25.6 38.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.434 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

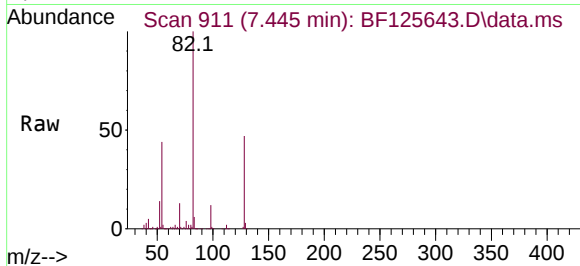
Tgt Ion: 77 Resp: 1567
Ion Ratio Lower Upper
77 100
105 119.8 75.9 115.9#
106 110.7 84.0 124.0



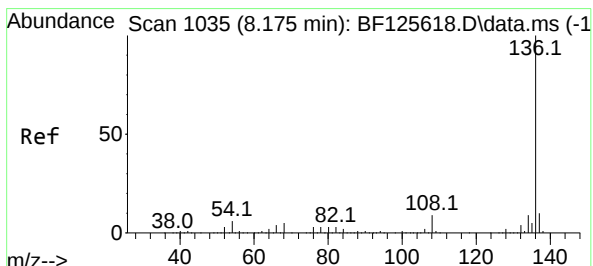
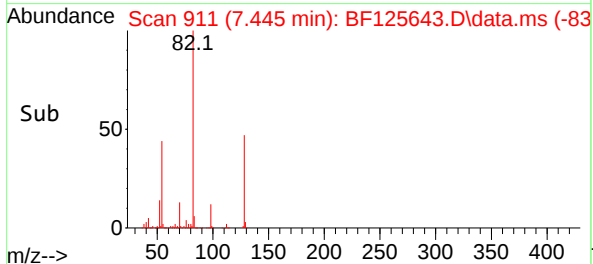
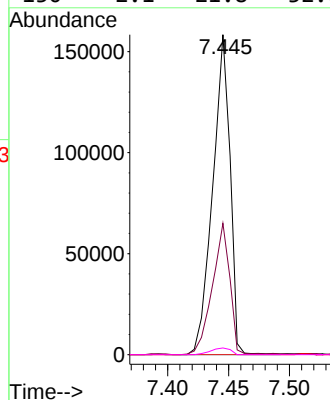


#19
n-Nitroso-di-n-propylamine
Concen: 14.705 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.141 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

Instrument :
BNA_F
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

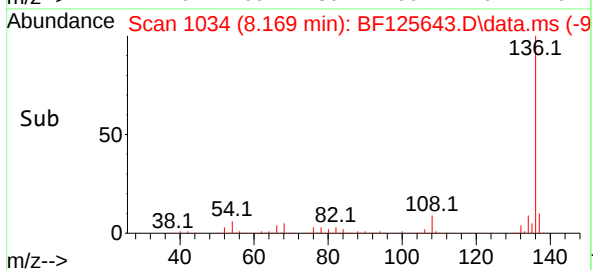
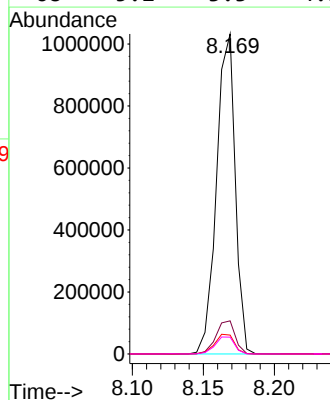
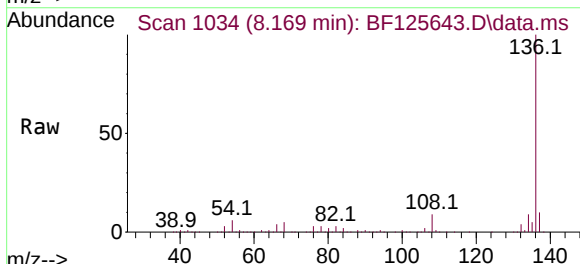


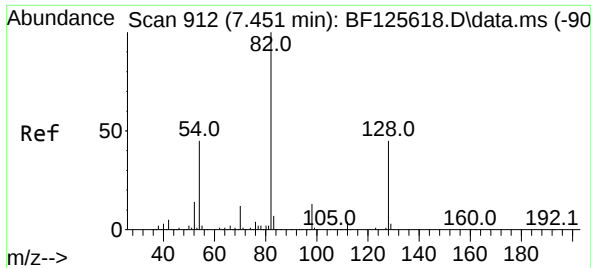
Tgt Ion: 70 Resp: 157062
Ion Ratio Lower Upper
70 100
42 41.1 72.2 108.2#
101 0.0 7.8 11.8#
130 2.1 21.8 32.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

Tgt Ion: 136 Resp: 944270
Ion Ratio Lower Upper
136 100
137 10.3 9.8 14.6
54 5.9 6.4 9.6#
68 5.2 3.3 4.9#





#23

Nitrobenzene-d5

Concen: 91.467 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF125643.D

Acq: 25 Sep 2021 3:00

Instrument :

BNA_F

ClientSampleId :

JET-GROUT-SPOIL-STEEL-WHEEL

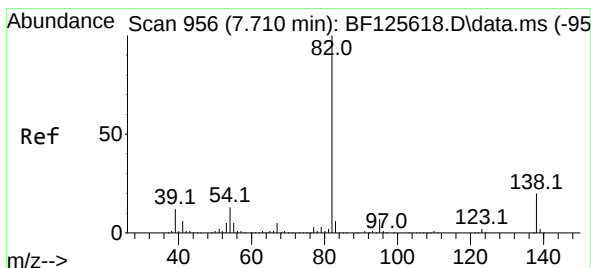
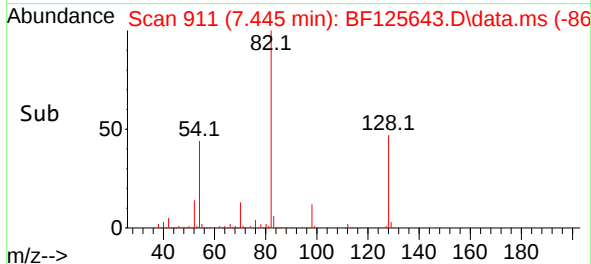
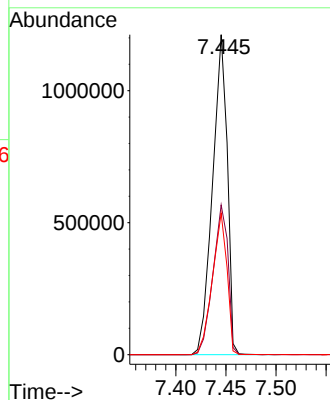
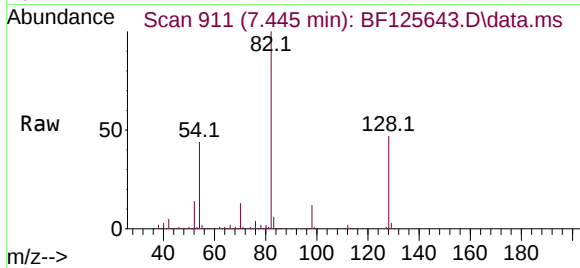
Tgt Ion: 82 Resp: 1238262

Ion Ratio Lower Upper

82 100

128 46.8 40.6 60.8

54 44.2 49.6 74.4#



#25

Isophorone

Concen: 40.742 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.265 min

Lab File: BF125643.D

Acq: 25 Sep 2021 3:00

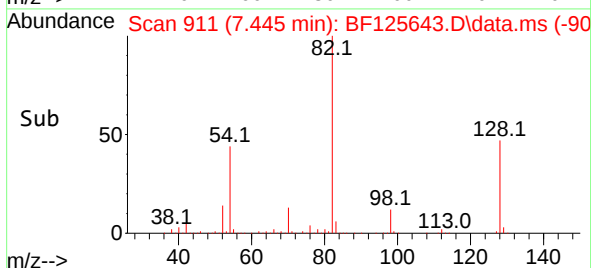
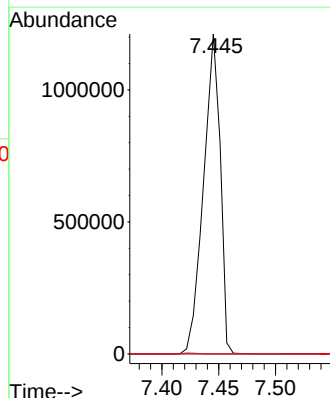
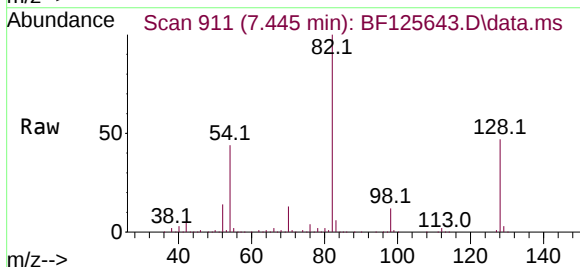
Tgt Ion: 82 Resp: 1235242

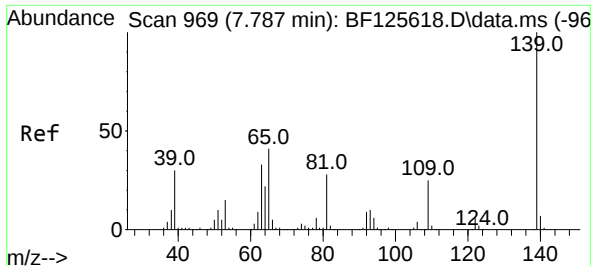
Ion Ratio Lower Upper

82 100

95 0.0 6.5 9.7#

138 0.0 18.4 27.6#

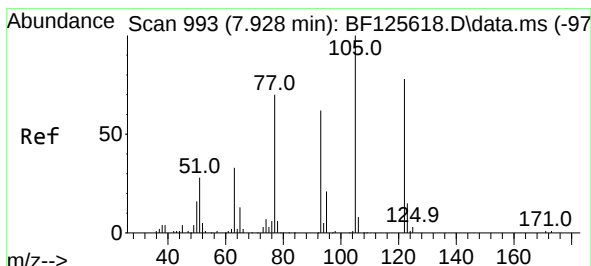
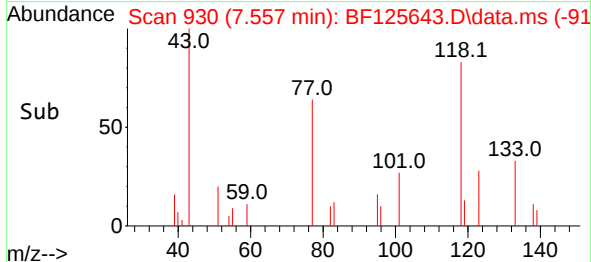
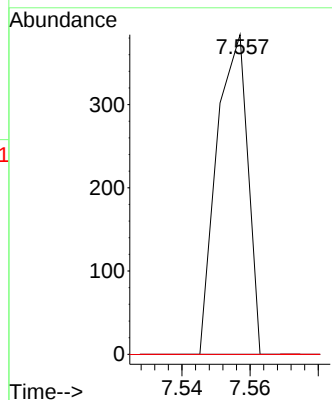
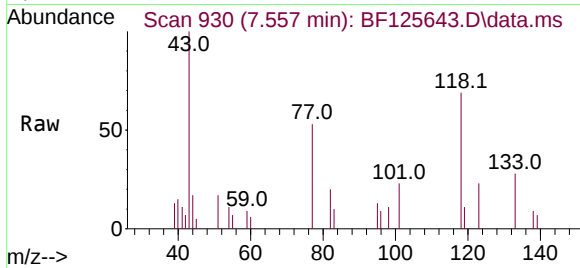




#26
2-Nitrophenol
Concen: 5.763 ng
RT: 7.557 min Scan# 930
Delta R.T. -0.230 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

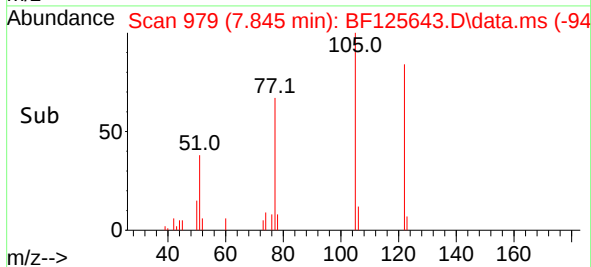
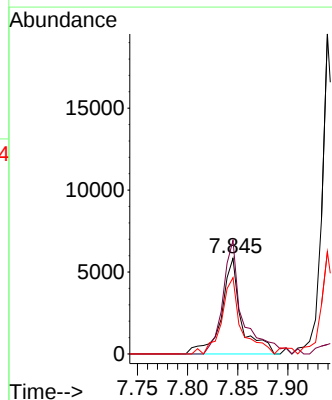
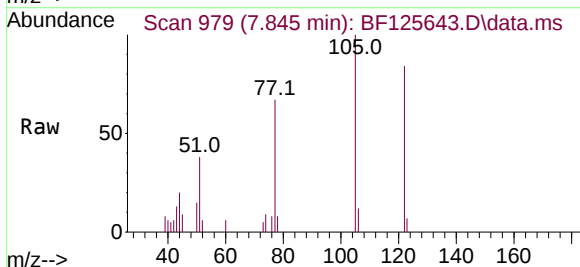
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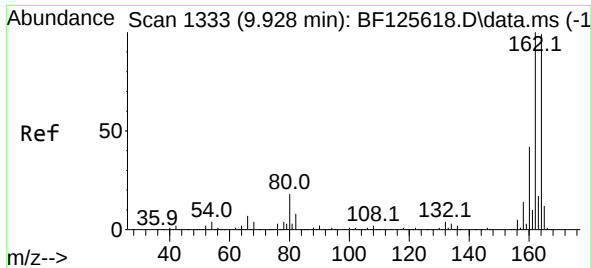
Tgt Ion:139 Resp: 242
Ion Ratio Lower Upper
139 100
109 0.0 26.0 39.0#
65 0.0 31.0 46.4#



#32
Benzoic acid
Concen: 9.292 ng
RT: 7.845 min Scan# 979
Delta R.T. -0.083 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

Tgt Ion:122 Resp: 8004
Ion Ratio Lower Upper
122 100
105 118.7 97.6 137.6
77 79.7 59.6 99.6

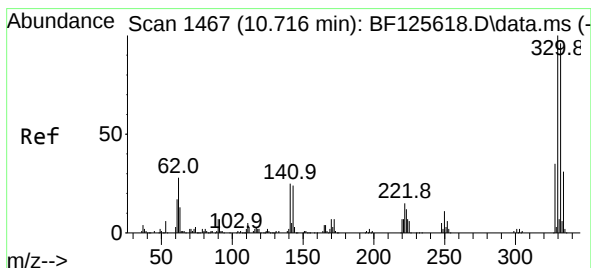
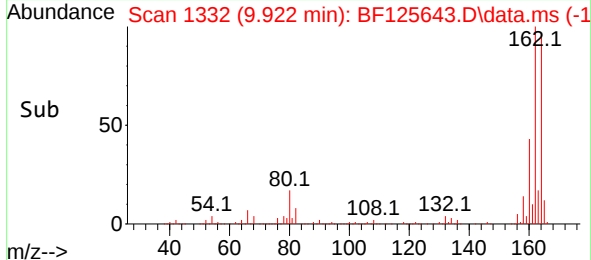
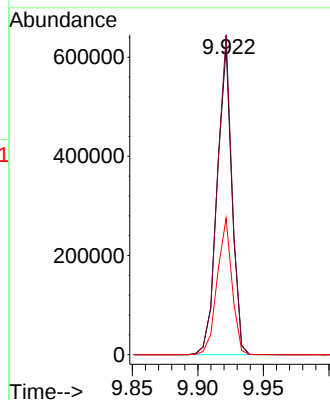
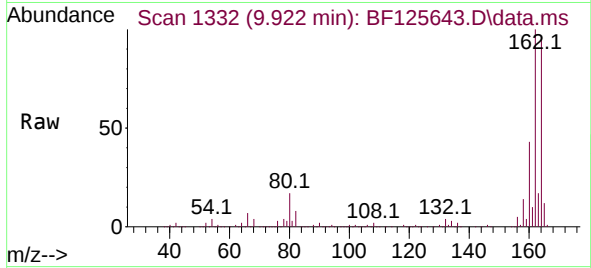




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

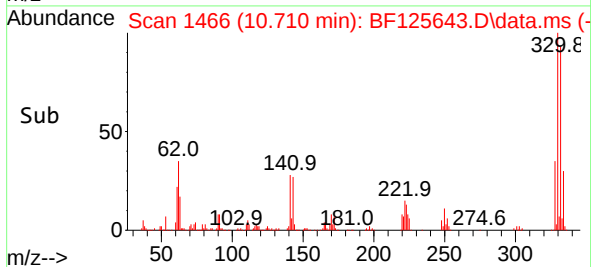
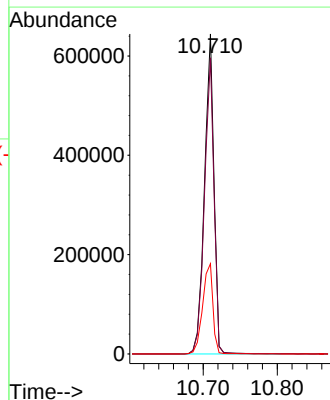
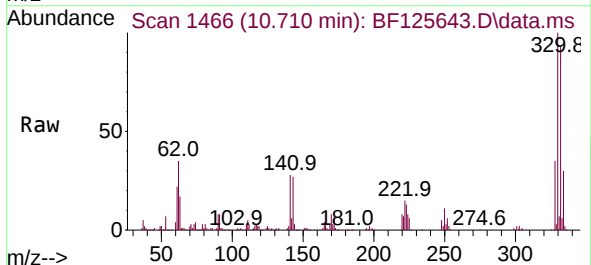
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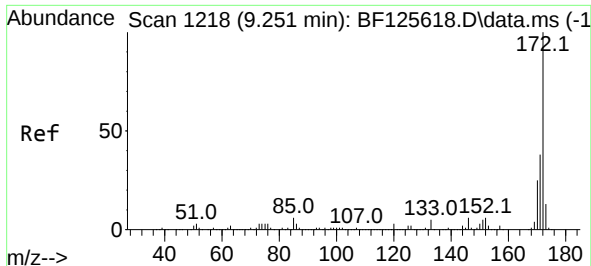
Tgt Ion:164 Resp: 488213
Ion Ratio Lower Upper
164 100
162 103.8 81.3 121.9
160 44.4 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 126.731 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

Tgt Ion:330 Resp: 576873
Ion Ratio Lower Upper
330 100
332 93.7 76.2 114.4
141 30.6 44.6 66.8#

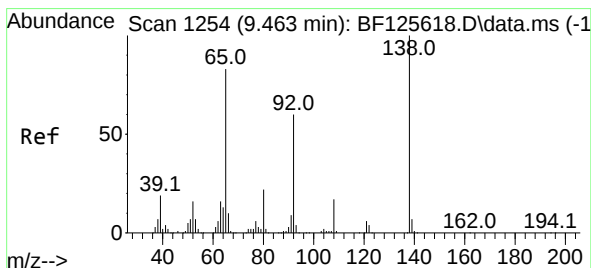
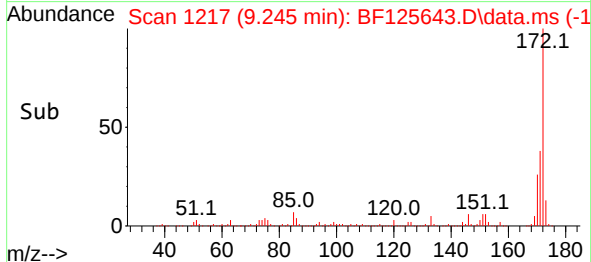
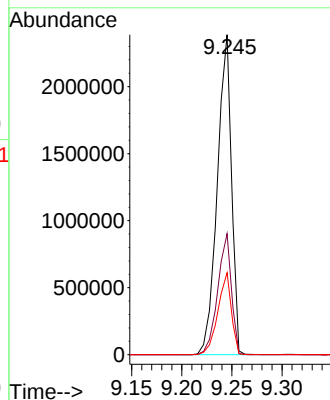
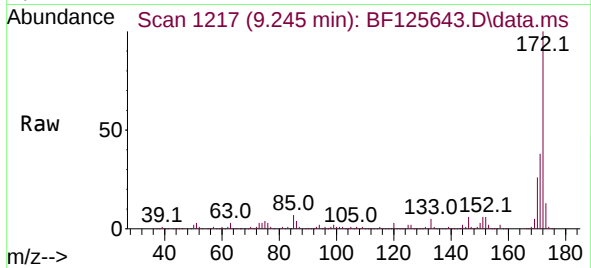




#45
2-Fluorobiphenyl
Concen: 86.975 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

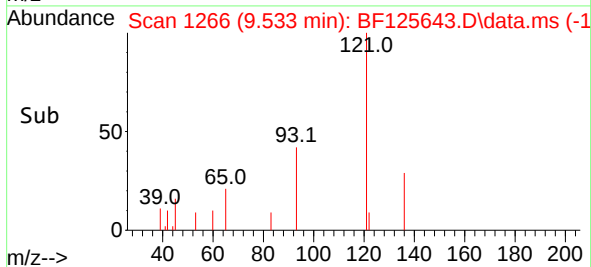
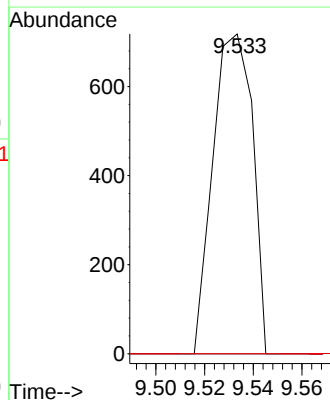
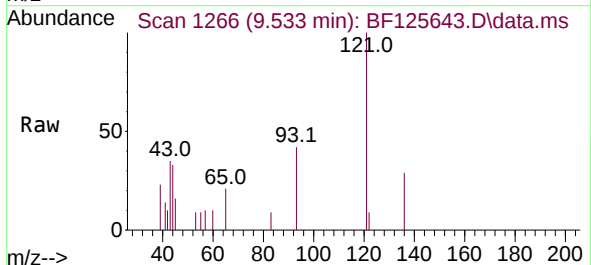
Instrument :
BNA_F
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

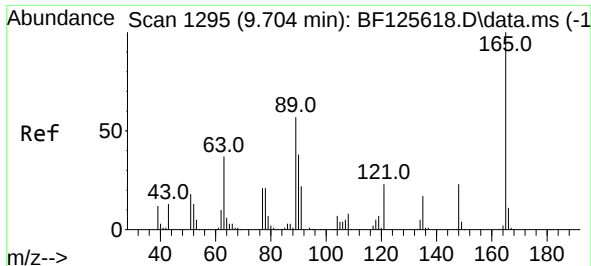
Tgt Ion:172 Resp: 2354752
Ion Ratio Lower Upper
172 100
171 37.8 26.5 39.7
170 25.6 18.8 28.2



#48
2-Nitroaniline
Concen: 4.263 ng
RT: 9.533 min Scan# 1266
Delta R.T. 0.070 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

Tgt Ion: 65 Resp: 813
Ion Ratio Lower Upper
65 100
92 0.0 55.5 83.3#
138 0.0 93.5 140.3#

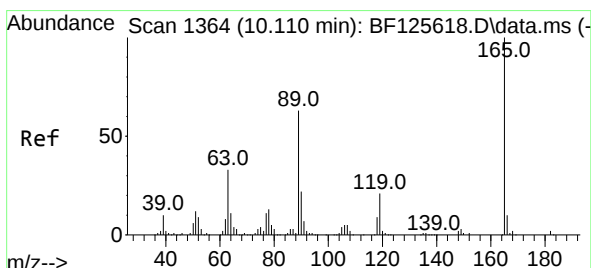
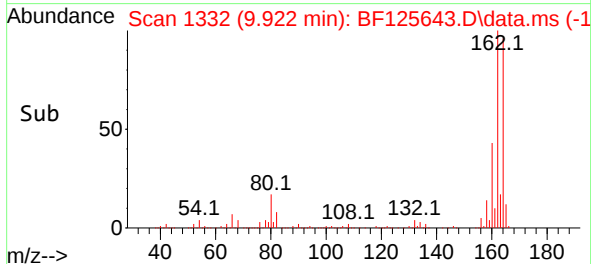
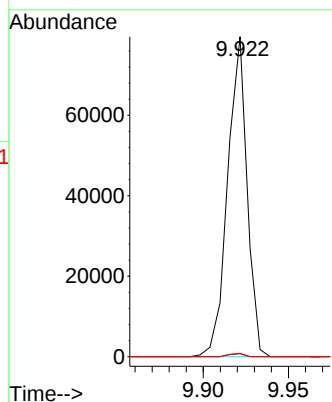
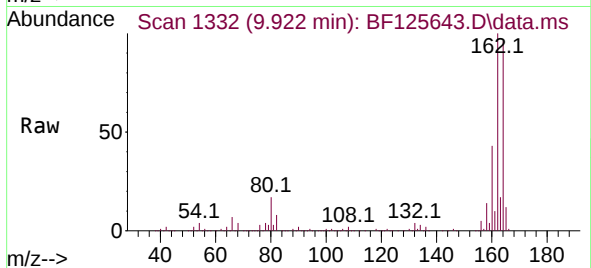




#51
2,6-Dinitrotoluene
Concen: 12.727 ng
RT: 9.922 min Scan# 1332
Delta R.T. 0.218 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

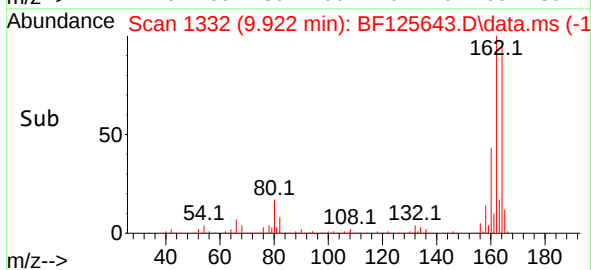
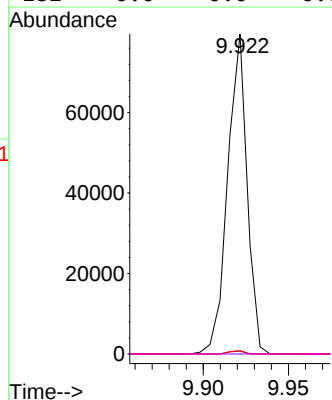
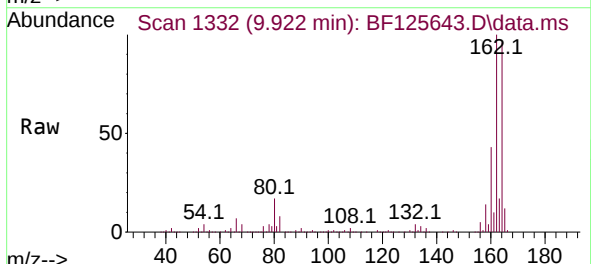
Instrument :
BNA_F
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

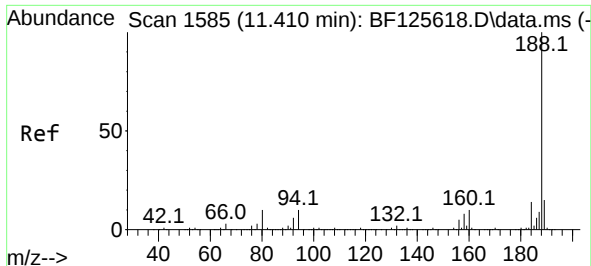
Tgt Ion:165 Resp: 63105
Ion Ratio Lower Upper
165 100
63 0.9 42.6 63.8#
89 1.0 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 11.598 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.188 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

Tgt Ion:165 Resp: 63105
Ion Ratio Lower Upper
165 100
63 0.9 40.9 61.3#
89 1.0 59.7 89.5#
182 0.0 0.0 0.0

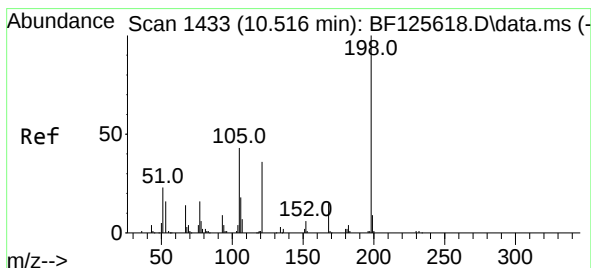
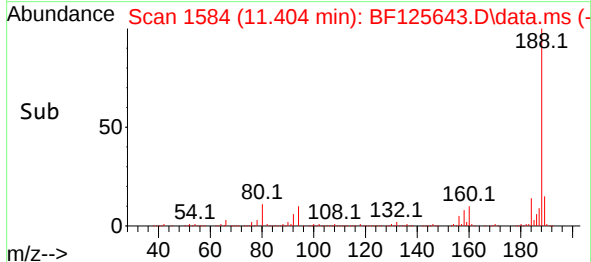
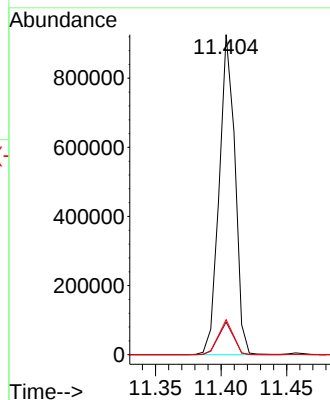
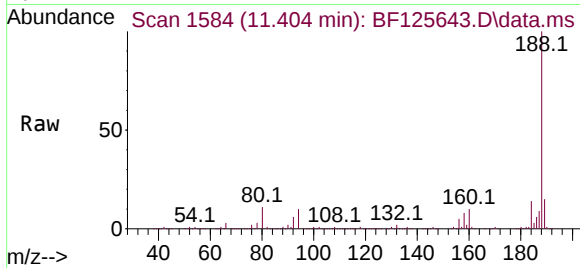




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

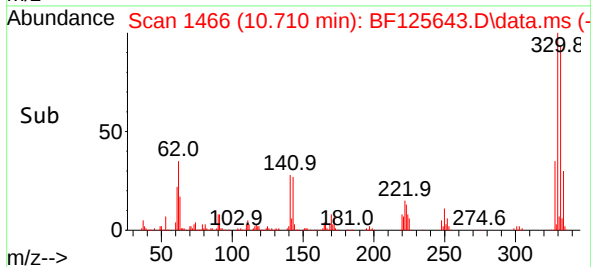
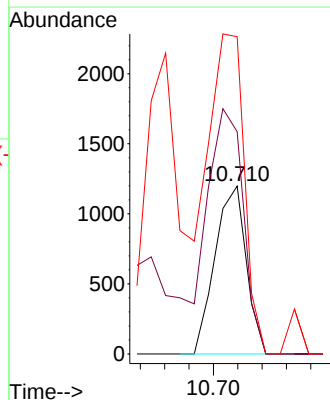
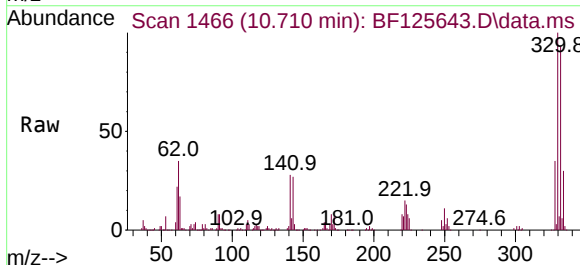
Instrument :
BNA_F
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

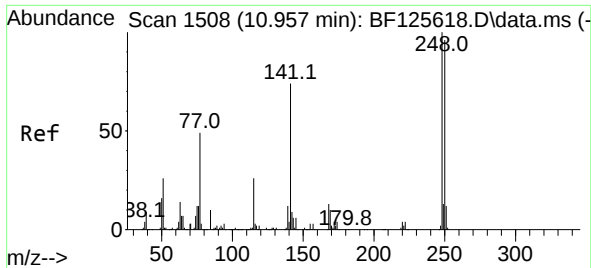
Tgt Ion:188 Resp: 773295
Ion Ratio Lower Upper
188 100
94 10.1 6.7 10.1#
80 10.9 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 9.243 ng
RT: 10.710 min Scan# 1466
Delta R.T. 0.194 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

Tgt Ion:198 Resp: 1066
Ion Ratio Lower Upper
198 100
51 132.4 45.3 85.3#
105 189.1 30.6 70.6#

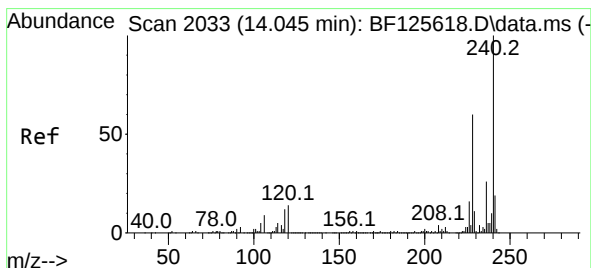
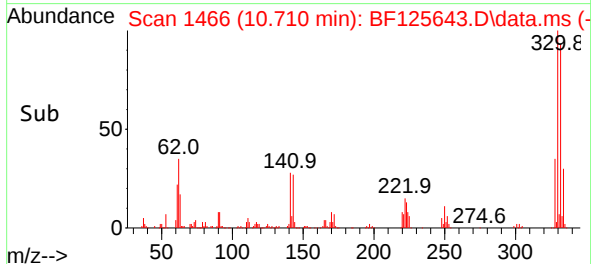
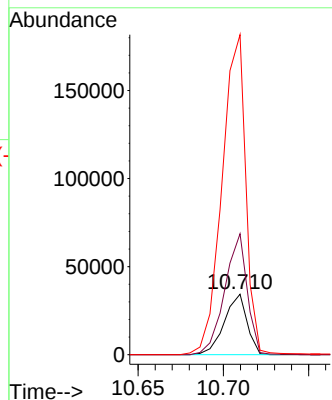
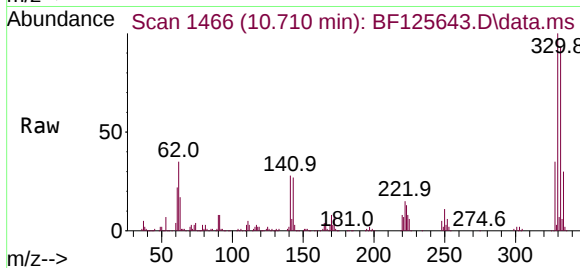




#67
4-Bromophenyl-phenylether
Concen: 3.922 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.247 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

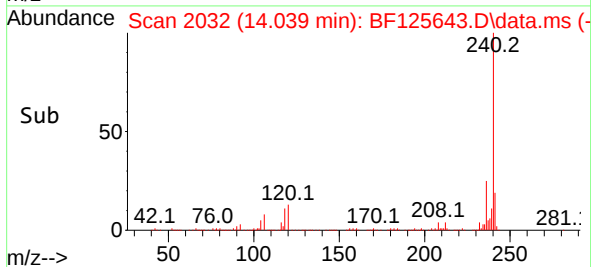
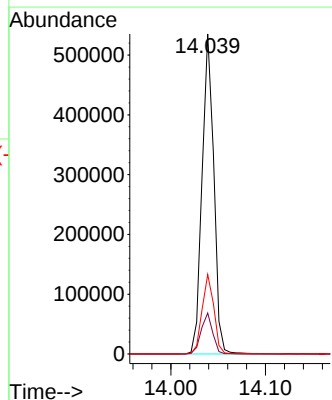
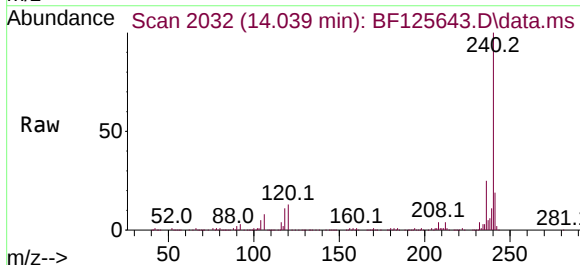
Instrument :
BNA_F
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

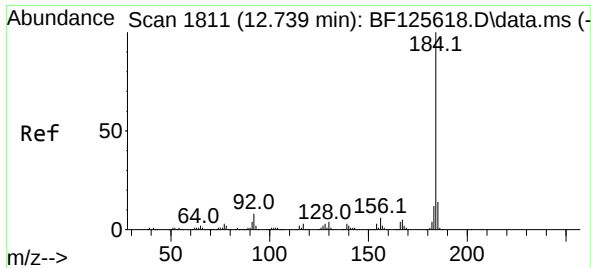
Tgt Ion:248 Resp: 31830
Ion Ratio Lower Upper
248 100
250 199.9 74.2 111.4#
141 528.9 60.4 90.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

Tgt Ion:240 Resp: 460137
Ion Ratio Lower Upper
240 100
120 12.8 10.8 16.2
236 24.9 21.6 32.4

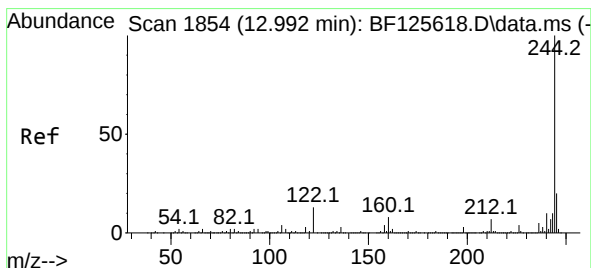
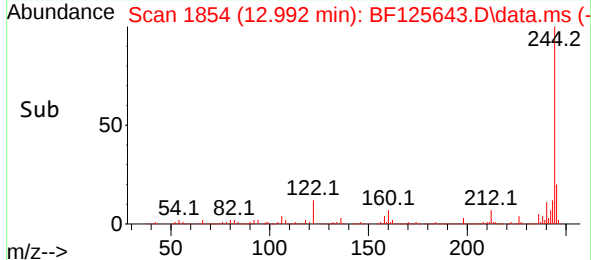
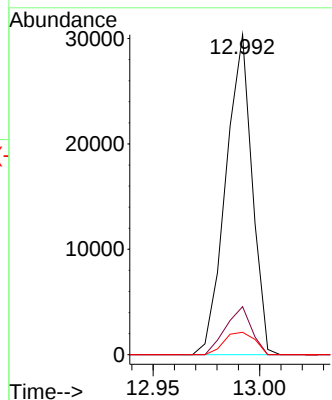
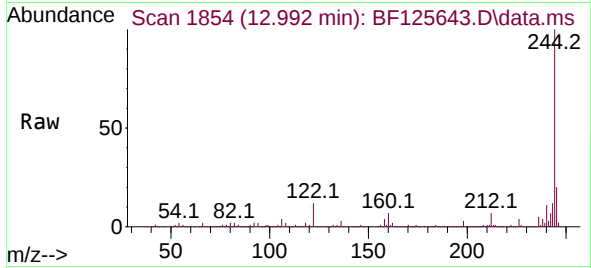




#77
Benzidine
Concen: 2.155 ng
RT: 12.992 min Scan# 1854
Delta R.T. 0.253 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

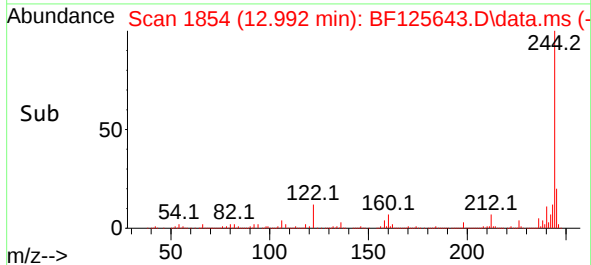
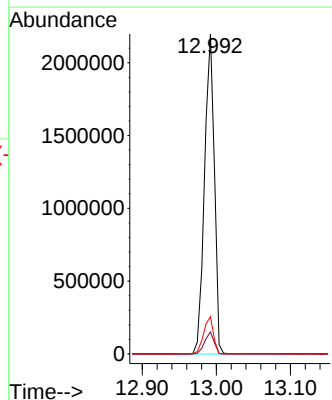
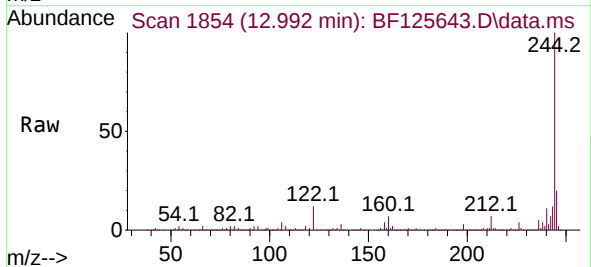
Instrument :
BNA_F
ClientSampleId :
JET-GROUT-SPOIL-STEEL-WHEEL

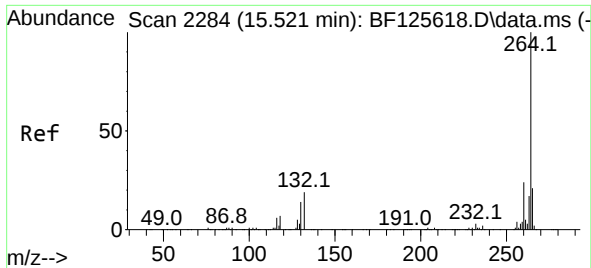
Tgt Ion:184 Resp: 26046
Ion Ratio Lower Upper
184 100
185 15.0 10.8 16.2
183 7.0 8.1 12.1#



#79
Terphenyl-d14
Concen: 76.670 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.000 min
Lab File: BF125643.D
Acq: 25 Sep 2021 3:00

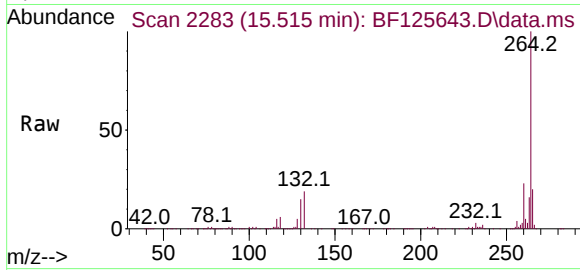
Tgt Ion:244 Resp: 2037162
Ion Ratio Lower Upper
244 100
212 6.9 5.9 8.9
122 11.7 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.515 min Scan# 2283
 Delta R.T. -0.006 min
 Lab File: BF125643.D
 Acq: 25 Sep 2021 3:00

Instrument :
 BNA_F
 ClientSampleId :
 JET-GROUT-SPOIL-STEEL-WHEEL



Tgt Ion:264	Resp:	478496
Ion	Ratio	Lower Upper
264	100	
260	23.1	19.6 29.4
265	20.2	17.2 25.8

