

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102721\
 Data File : BF125965.D
 Acq On : 27 Oct 2021 16:02
 Operator : JU/CG
 Sample : M4330-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JET-GROUT-SPOILS

Quant Time: Oct 28 08:58:36 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 25 18:49:16 2021
 Response via : Initial Calibration

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

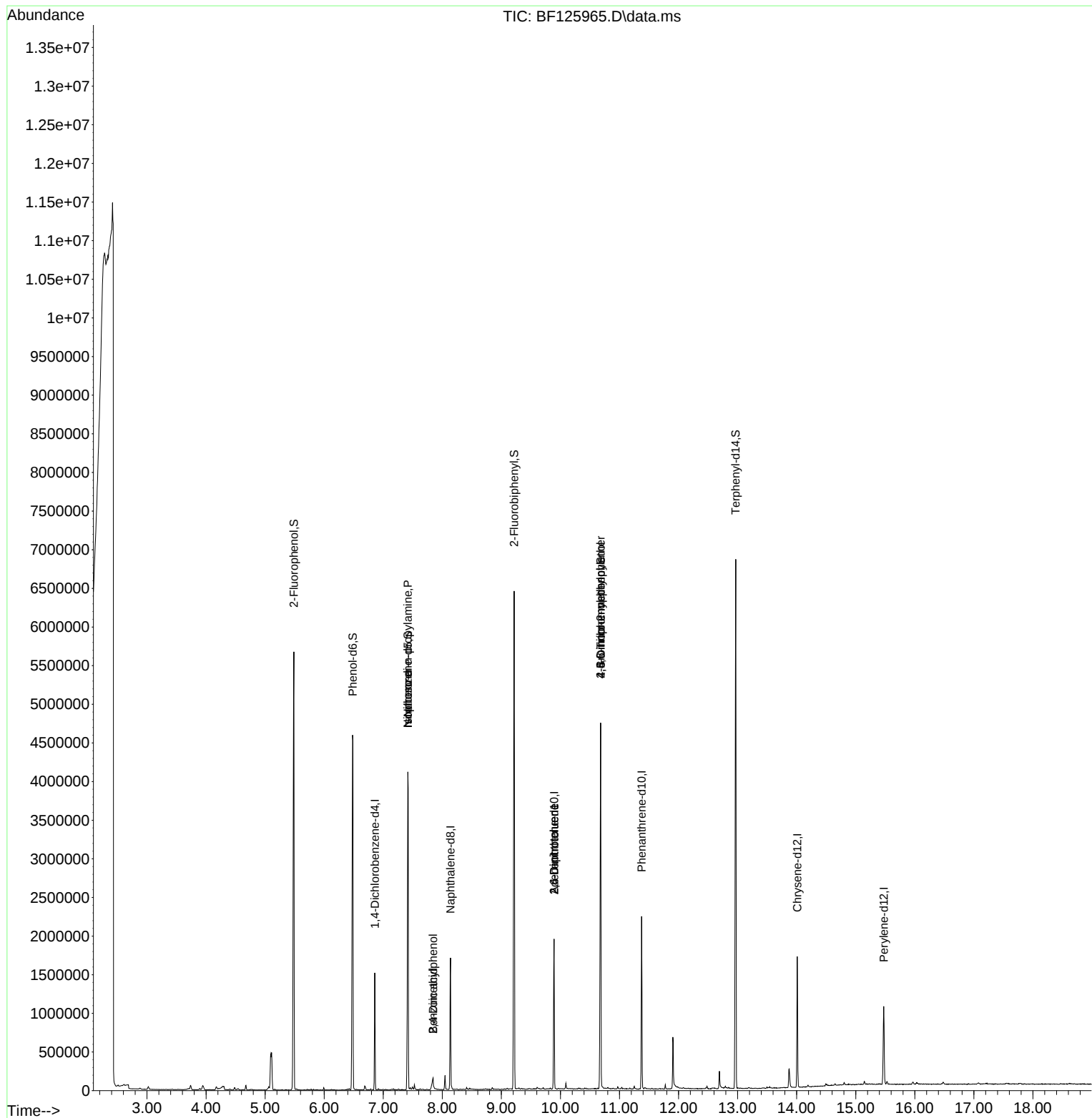
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	178881	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	719021	20.000	ng	#-0.02
39) Acenaphthene-d10	9.892	164	412036	20.000	ng	-0.02
64) Phenanthrene-d10	11.374	188	768600	20.000	ng	-0.02
76) Chrysene-d12	14.010	240	533120	20.000	ng	-0.02
86) Perylene-d12	15.474	264	448758	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1470026	122.408	ng	0.00
7) Phenol-d6	6.487	99	1689099	102.546	ng	0.00
23) Nitrobenzene-d5	7.416	82	1364753	98.042	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	549116	152.876	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	2164333	92.892	ng	-0.02
79) Terphenyl-d14	12.969	244	2446327	75.059	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	183187	19.466	ng	# 65
25) Isophorone	7.416	82	1361138	51.347	ng	# 59
27) 2,4-Dimethylphenol	7.845	122	45095	4.358	ng	# 7
32) Benzoic acid	7.845	122	45095	9.622	ng	# 80
51) 2,6-Dinitrotoluene	9.892	165	52579	10.444	ng	# 28
57) 2,4-Dinitrotoluene	9.892	165	52579	8.503	ng	# 20
58) Fluorene	10.433	166	2521	Below Cal		92
65) 4,6-Dinitro-2-methylph...	10.680	198	1234	6.385	ng	# 1
67) 4-Bromophenyl-phenylether	10.680	248	36351	4.427	ng	# 1

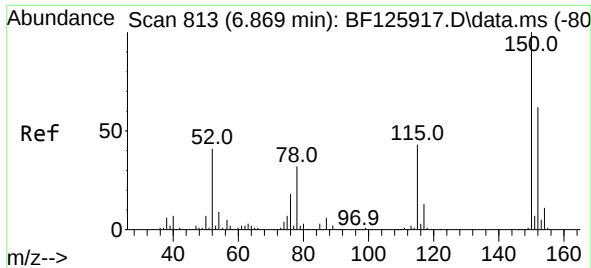
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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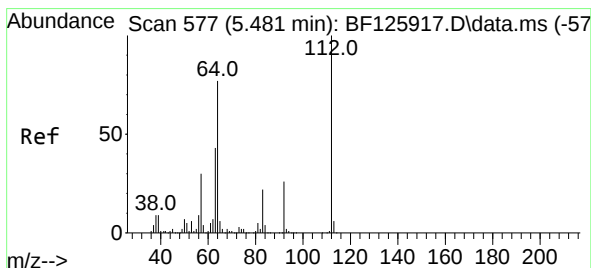
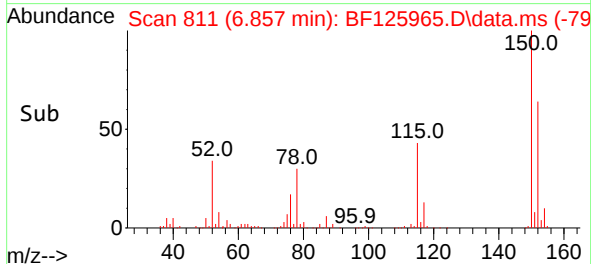
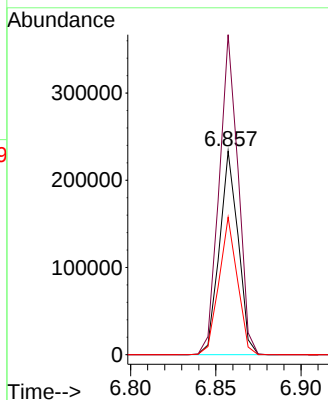
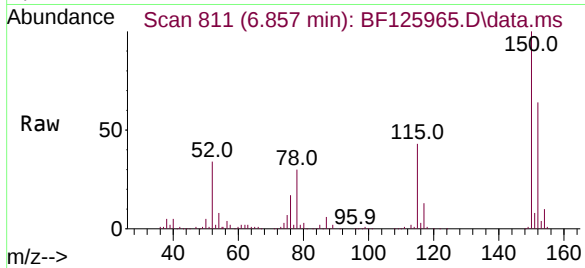




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 811
Delta R.T. -0.012 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

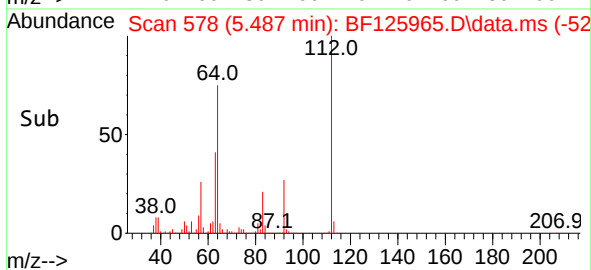
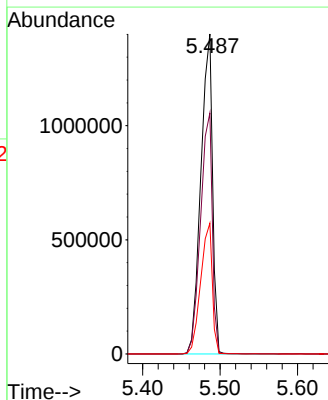
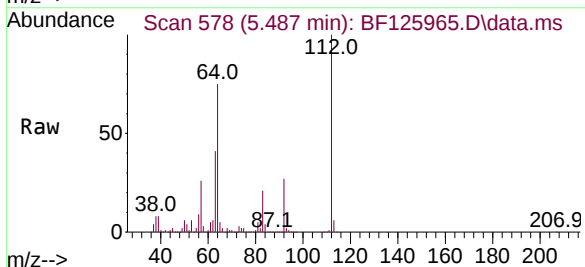
Instrument :
BNA_F
ClientSampleId :
JET-GROUT-SPOILS

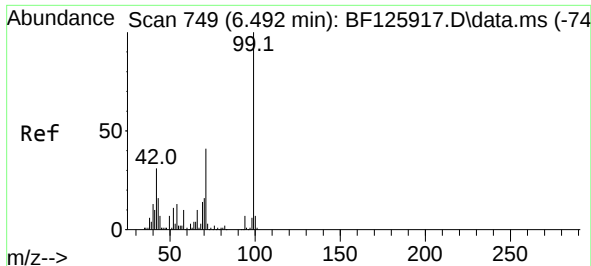
Tgt Ion:152 Resp: 178881
Ion Ratio Lower Upper
152 100
150 157.2 117.6 176.4
115 67.6 47.1 70.7



#5
2-Fluorophenol
Concen: 122.408 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

Tgt Ion:112 Resp: 1470026
Ion Ratio Lower Upper
112 100
64 75.3 44.2 66.2#
63 40.9 26.2 39.2#

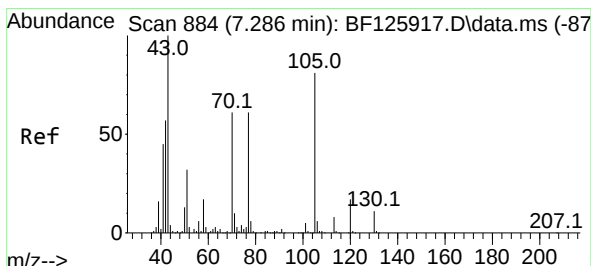
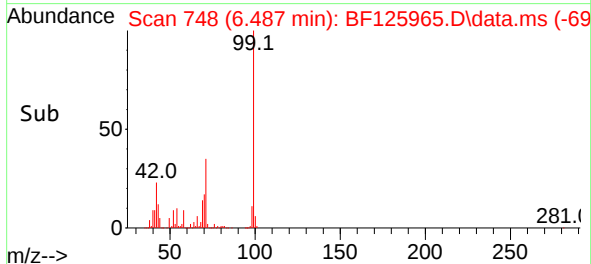
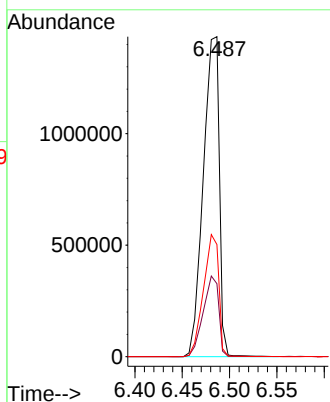
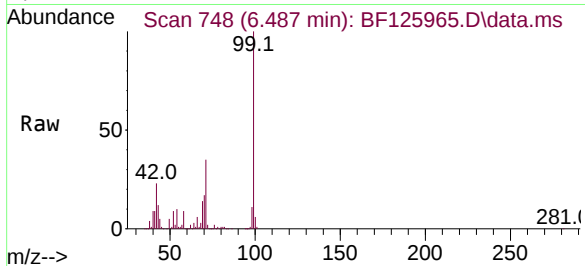




#7
Phenol-d6
Concen: 102.546 ng
RT: 6.487 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

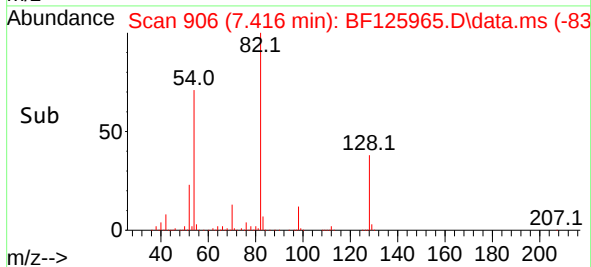
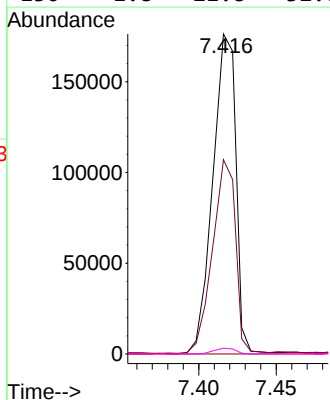
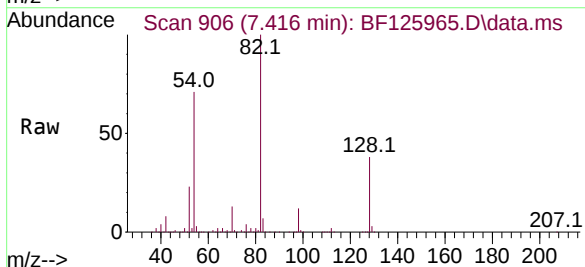
Instrument :
BNA_F
ClientSampleId :
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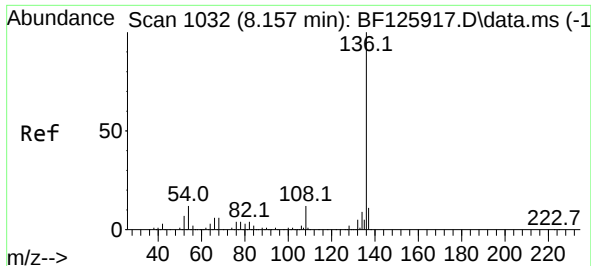
Tgt Ion: 99 Resp: 1689099
Ion Ratio Lower Upper
99 100
42 22.8 23.5 35.3#
71 35.1 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 19.466 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.130 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

Tgt Ion: 70 Resp: 183187
Ion Ratio Lower Upper
70 100
42 60.7 72.2 108.2#
101 0.0 7.8 11.8#
130 1.8 21.8 32.6#

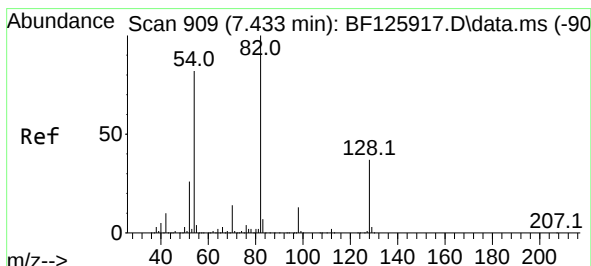
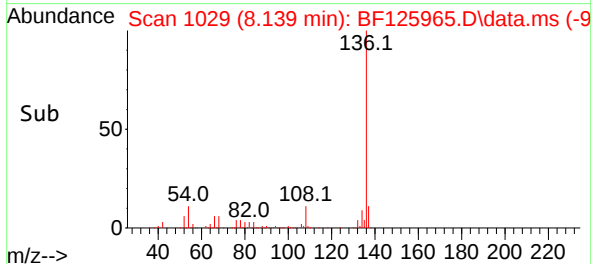
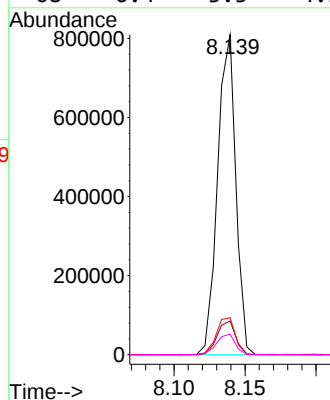
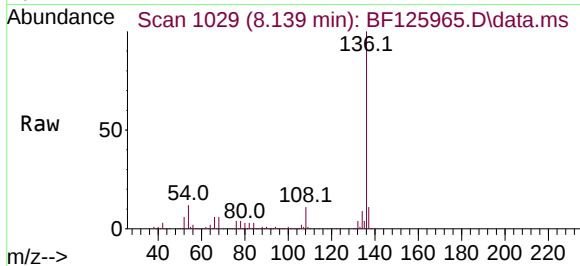




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

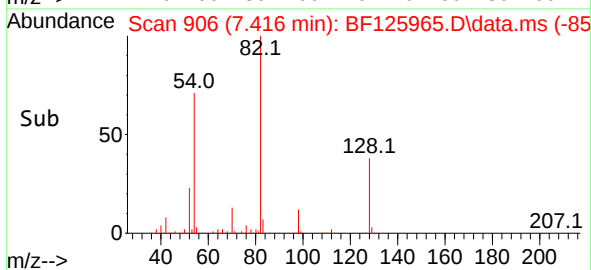
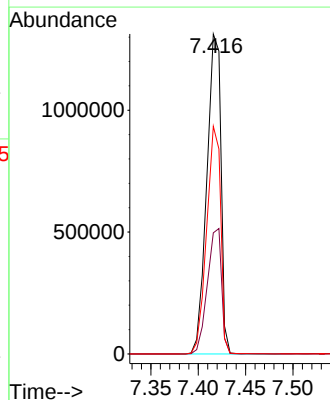
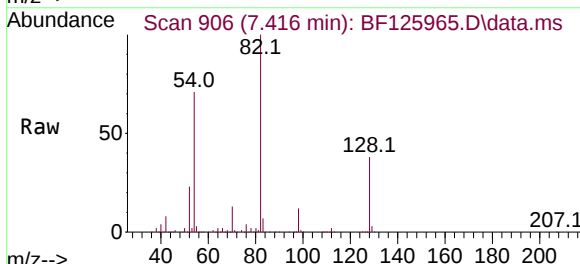
Instrument :
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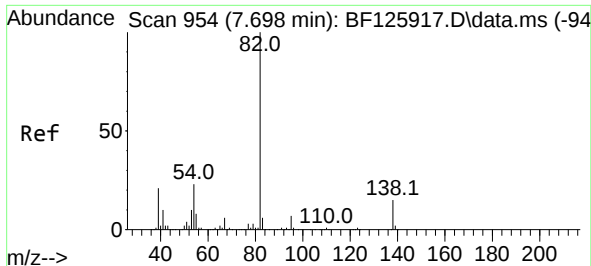
Tgt Ion:136	Resp:	719021
Ion Ratio	Lower	Upper
136	100	
137	10.5	9.8 14.6
54	11.6	6.4 9.6#
68	6.4	3.3 4.9#



#23
Nitrobenzene-d5
Concen: 98.042 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

Tgt Ion: 82	Resp: 1364753
Ion Ratio	Lower Upper
82	100
128	37.8 40.6 60.8#
54	71.2 49.6 74.4

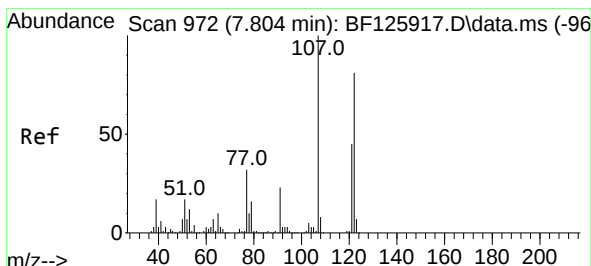
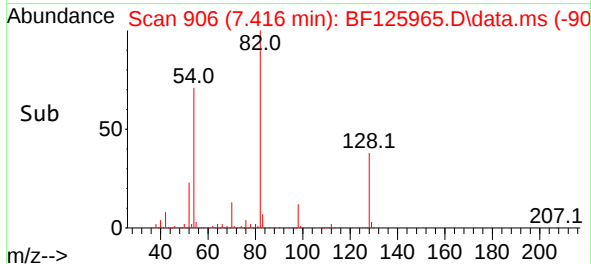
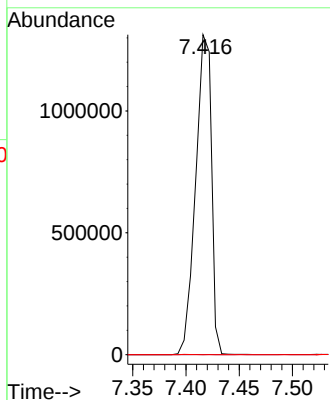
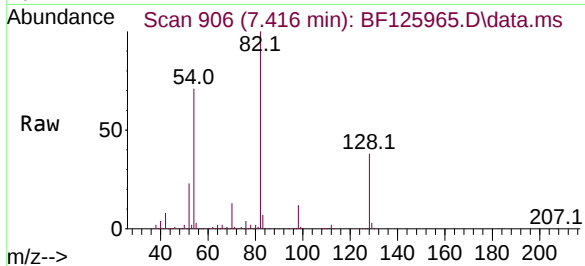




#25
Isophorone
Concen: 51.347 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.282 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

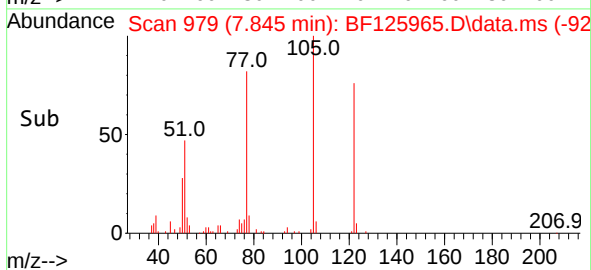
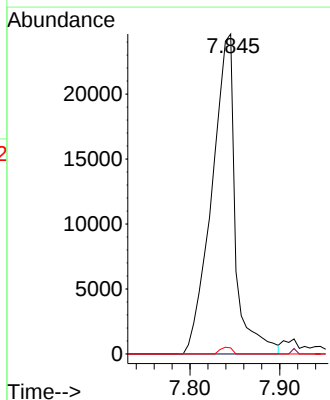
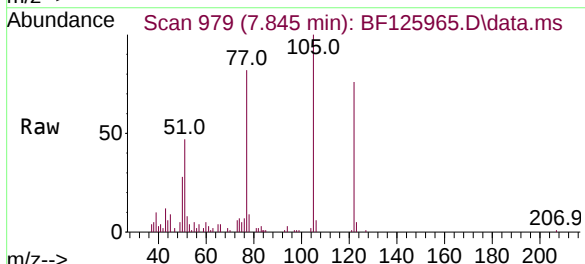
Instrument :
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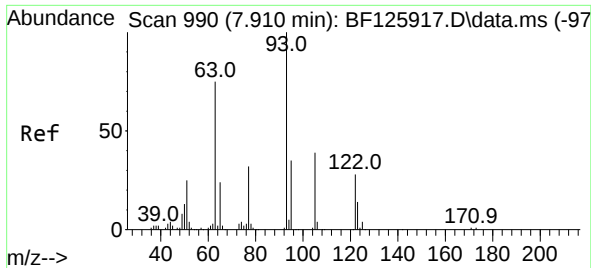
Tgt Ion: 82 Resp: 1361138
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#27
2,4-Dimethylphenol
Concen: 4.358 ng
RT: 7.845 min Scan# 979
Delta R.T. 0.041 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

Tgt Ion:122 Resp: 45095
Ion Ratio Lower Upper
122 100
107 0.0 85.0 127.6#
121 1.9 43.3 64.9#

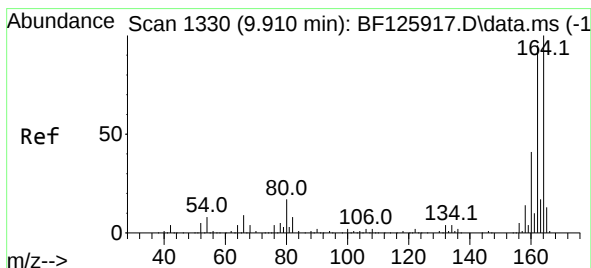
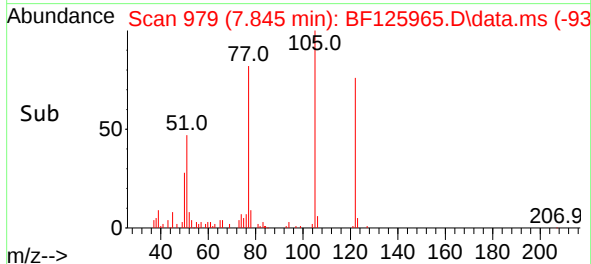
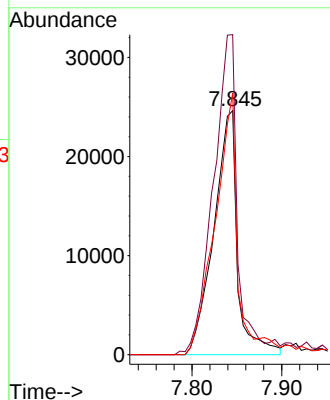
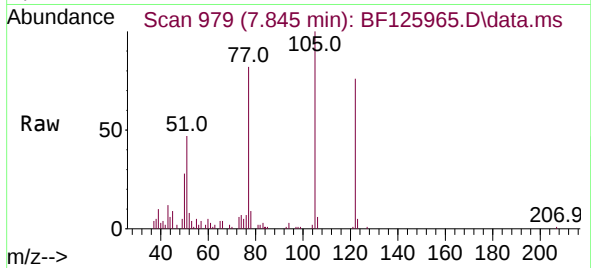




#32
Benzoic acid
Concen: 9.622 ng
RT: 7.845 min Scan# 979
Delta R.T. -0.065 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

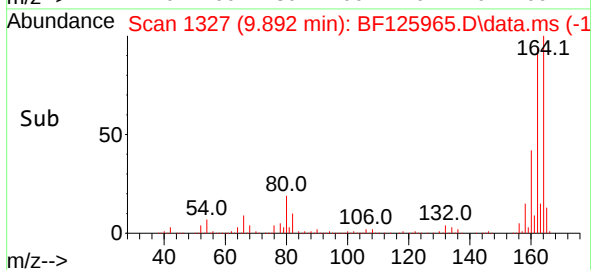
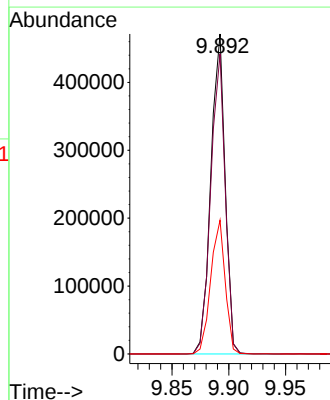
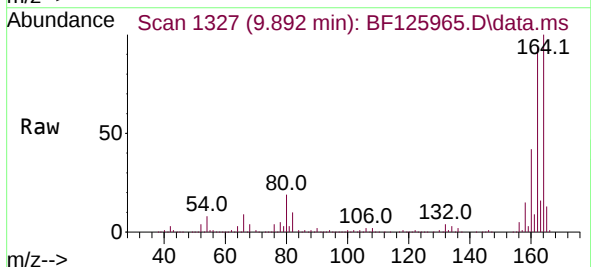
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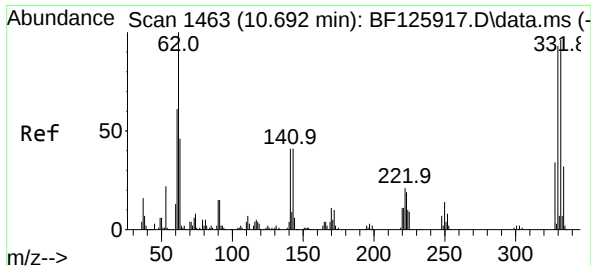
Tgt Ion:122 Resp: 45095
Ion Ratio Lower Upper
122 100
105 131.2 97.6 137.6
77 107.1 59.6 99.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

Tgt Ion:164 Resp: 412036
Ion Ratio Lower Upper
164 100
162 93.8 81.3 121.9
160 41.8 38.0 57.0

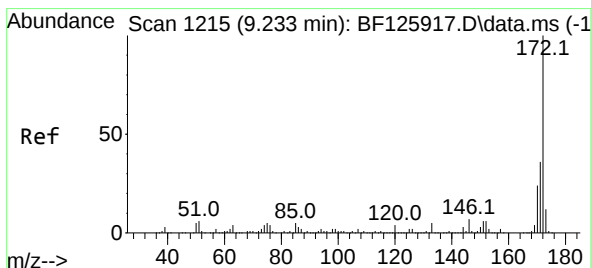
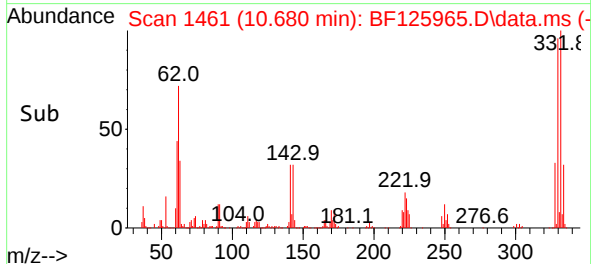
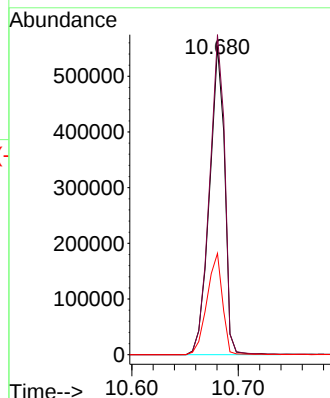
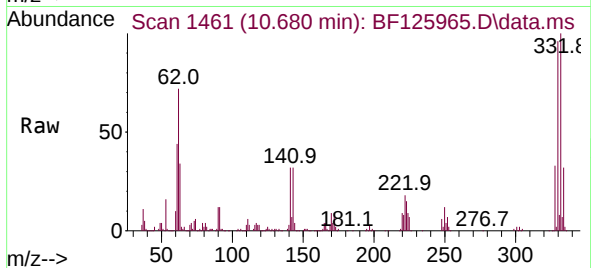




#42
2,4,6-Tribromophenol
Concen: 152.876 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

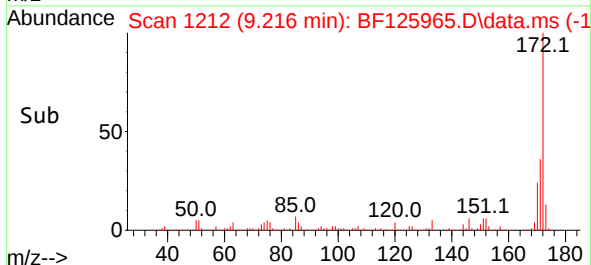
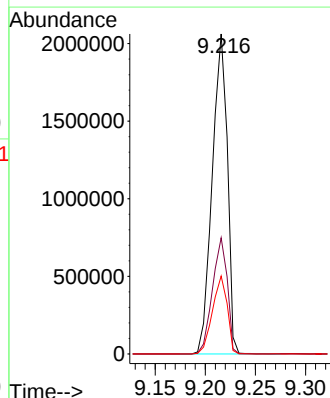
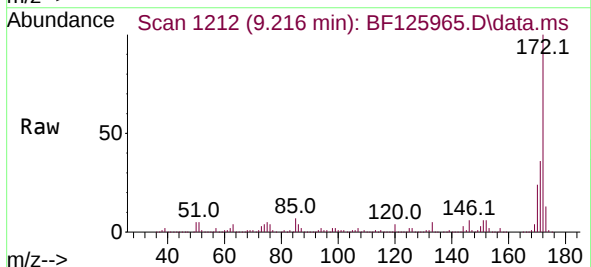
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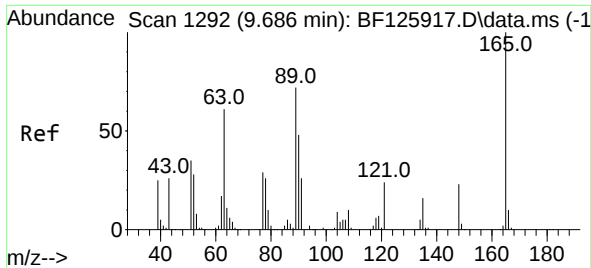
Tgt Ion:330 Resp: 549116
Ion Ratio Lower Upper
330 100
332 104.7 76.2 114.4
141 33.6 44.6 66.8#



#45
2-Fluorobiphenyl
Concen: 92.892 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

Tgt Ion:172 Resp: 2164333
Ion Ratio Lower Upper
172 100
171 36.3 26.5 39.7
170 24.4 18.8 28.2

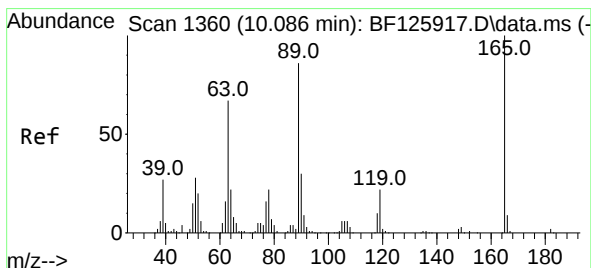
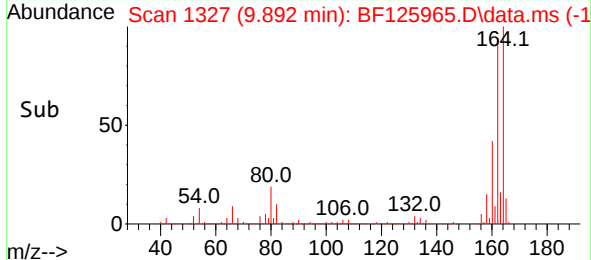
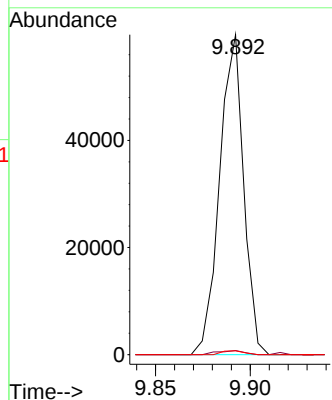
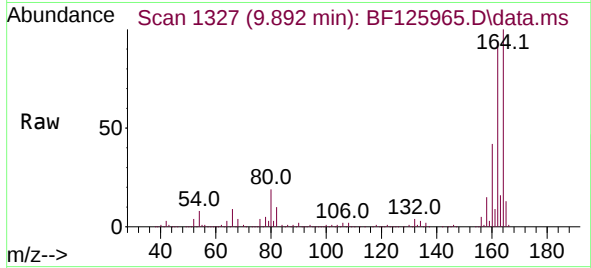




#51
2,6-Dinitrotoluene
Concen: 10.444 ng
RT: 9.892 min Scan# 1327
Delta R.T. 0.206 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

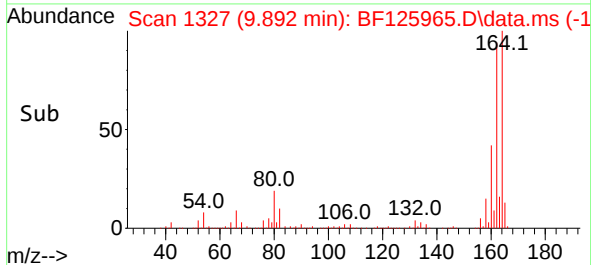
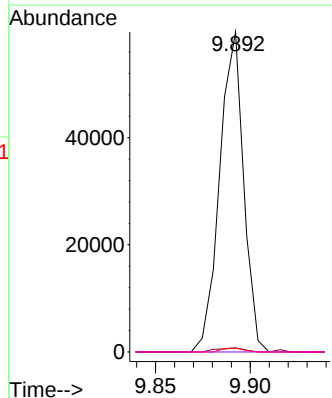
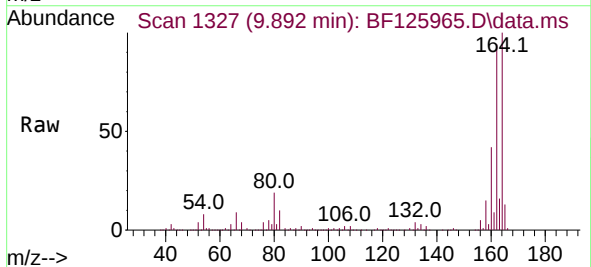
Instrument :
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ClientSampleId :
JET-GROUT-SPOILS

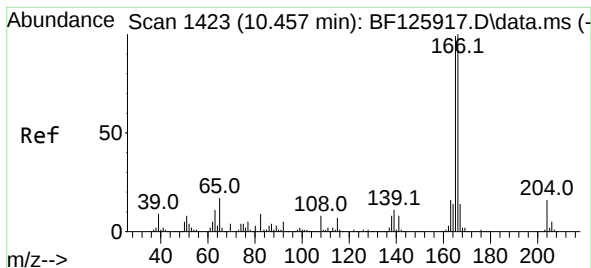
Tgt Ion:165 Resp: 52579
Ion Ratio Lower Upper
165 100
63 1.3 42.6 63.8#
89 1.2 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 8.503 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.194 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

Tgt Ion:165 Resp: 52579
Ion Ratio Lower Upper
165 100
63 1.3 40.9 61.3#
89 1.2 59.7 89.5#
182 0.0 0.0 0.0





#58

Fluorene

Concen: Below Cal

RT: 10.433 min Scan# 1419

Delta R.T. -0.024 min

Lab File: BF125965.D

Acq: 27 Oct 2021 16:02

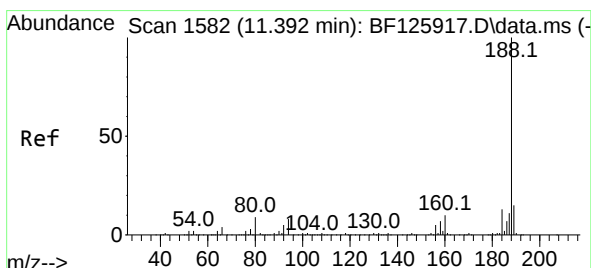
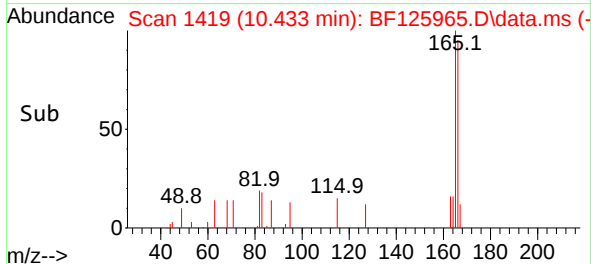
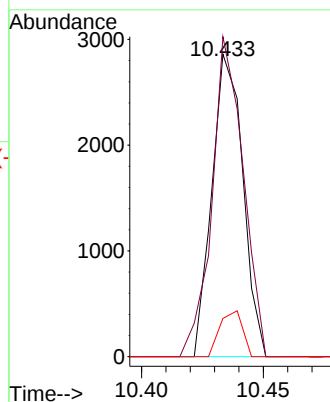
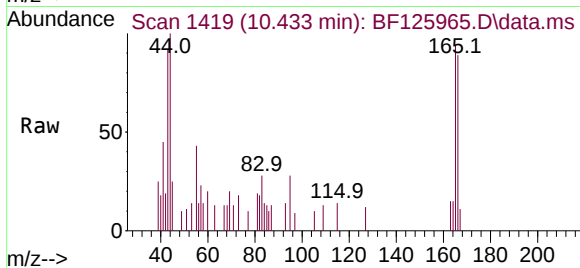
Instrument :

BNA_F

ClientSampleId :

JET-GROUT-SPOILS

Tgt Ion:166	Resp:	2521
Ion Ratio	Lower	Upper
166	100	
165	105.8	78.1 117.1
167	12.7	11.1 16.7



#64

Phenanthrene-d10

Concen: 20.000 ng

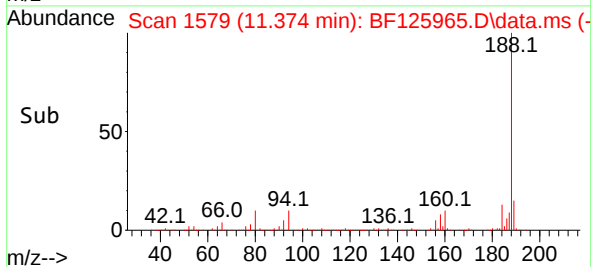
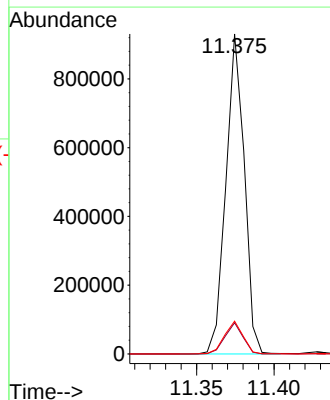
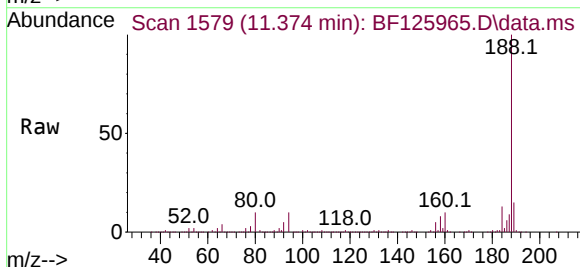
RT: 11.374 min Scan# 1579

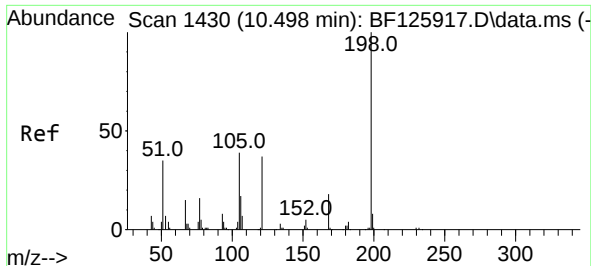
Delta R.T. -0.018 min

Lab File: BF125965.D

Acq: 27 Oct 2021 16:02

Tgt Ion:188	Resp:	768600
Ion Ratio	Lower	Upper
188	100	
94	9.7	6.7 10.1
80	10.3	7.5 11.3

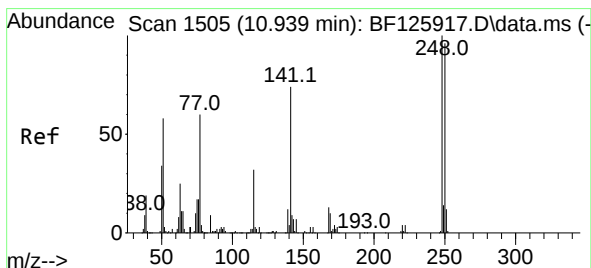
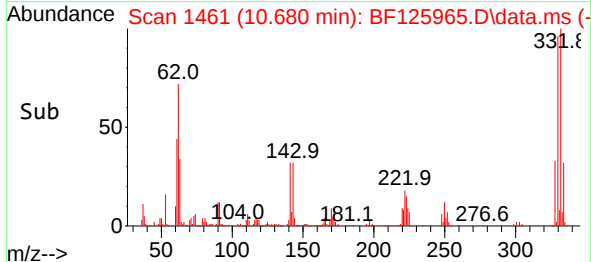
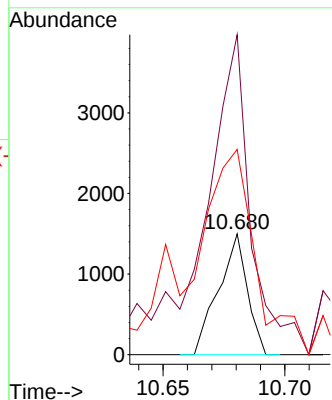
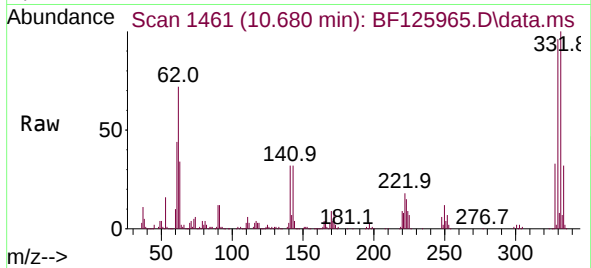




#65
4,6-Dinitro-2-methylphenol
Concen: 6.385 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.182 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

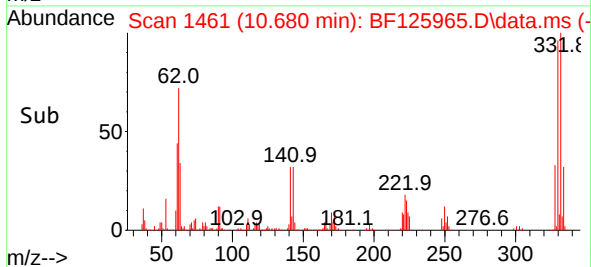
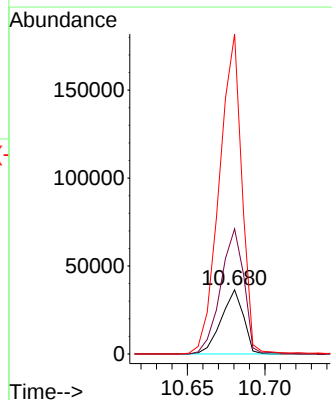
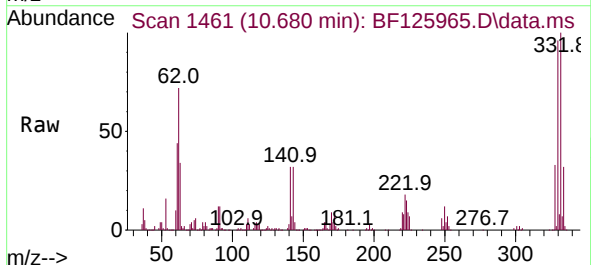
Instrument :
BNA_F
ClientSampleId :
JET-GROUT-SPOILS

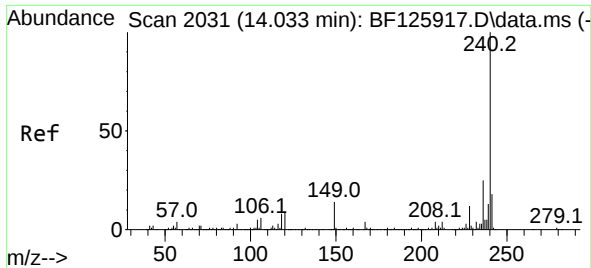
Tgt Ion:198 Resp: 1234
Ion Ratio Lower Upper
198 100
51 265.0 45.3 85.3#
105 170.0 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 4.427 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.259 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

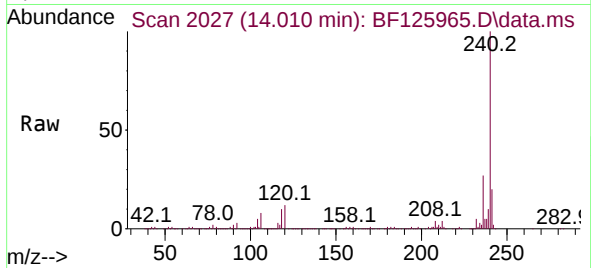
Tgt Ion:248 Resp: 36351
Ion Ratio Lower Upper
248 100
250 194.9 74.2 111.4#
141 498.7 60.4 90.6#



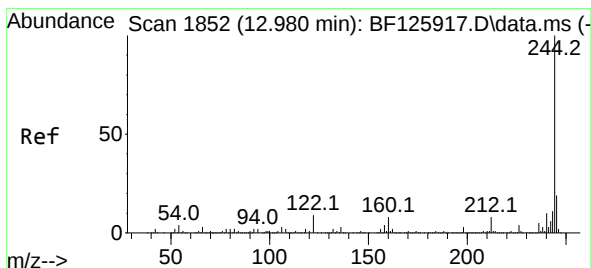
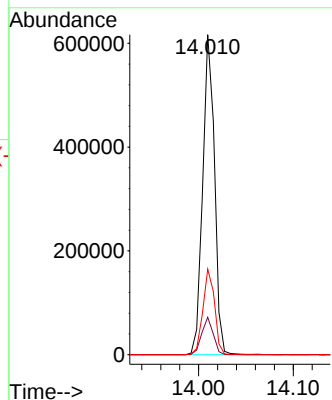
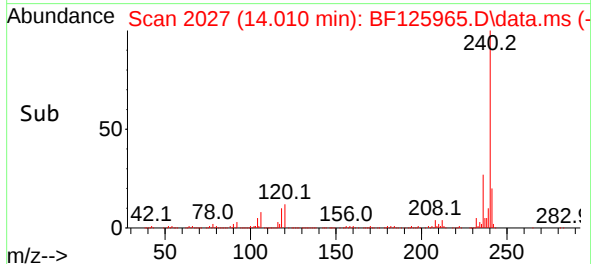


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.023 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02

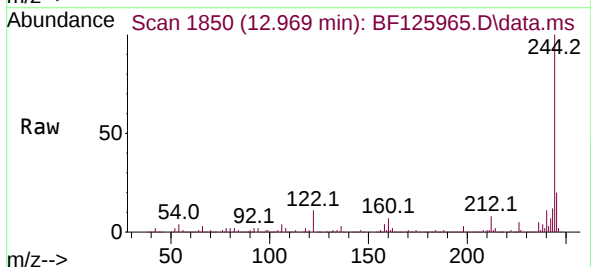
Instrument :
BNA_F
ClientSampleId :
JET-GROUT-SPOILS



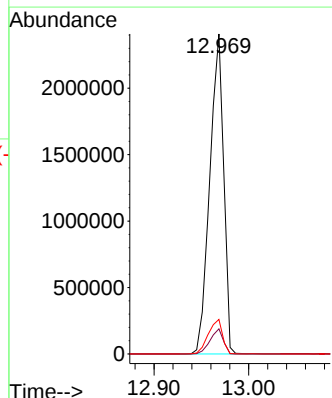
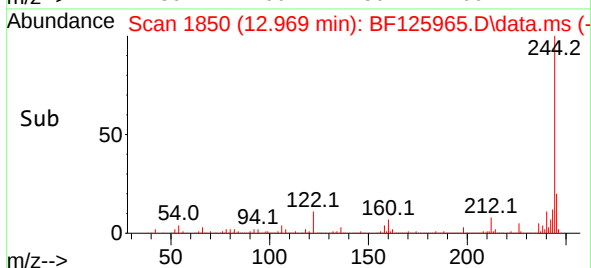
Tgt Ion:240 Resp: 533120
Ion Ratio Lower Upper
240 100
120 11.7 10.8 16.2
236 26.7 21.6 32.4

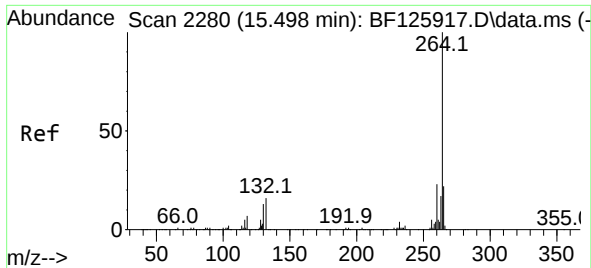


#79
Terphenyl-d14
Concen: 75.059 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF125965.D
Acq: 27 Oct 2021 16:02



Tgt Ion:244 Resp: 2446327
Ion Ratio Lower Upper
244 100
212 7.9 5.9 8.9
122 10.8 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2276
 Delta R.T. -0.023 min
 Lab File: BF125965.D
 Acq: 27 Oct 2021 16:02

Instrument :
 BNA_F
 ClientSampleId :
 JET-GROUT-SPOILS

Tgt Ion:264	Resp:	448758
Ion Ratio	Lower	Upper
264	100	
260	24.8	19.6 29.4
265	21.1	17.2 25.8

