

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
 Data File : BF127886.D
 Acq On : 25 Apr 2022 17:57
 Operator : CG\JU
 Sample : N2474-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TMS-JET-GROUT-SPOILS-B

Quant Time: Apr 26 05:39:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

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

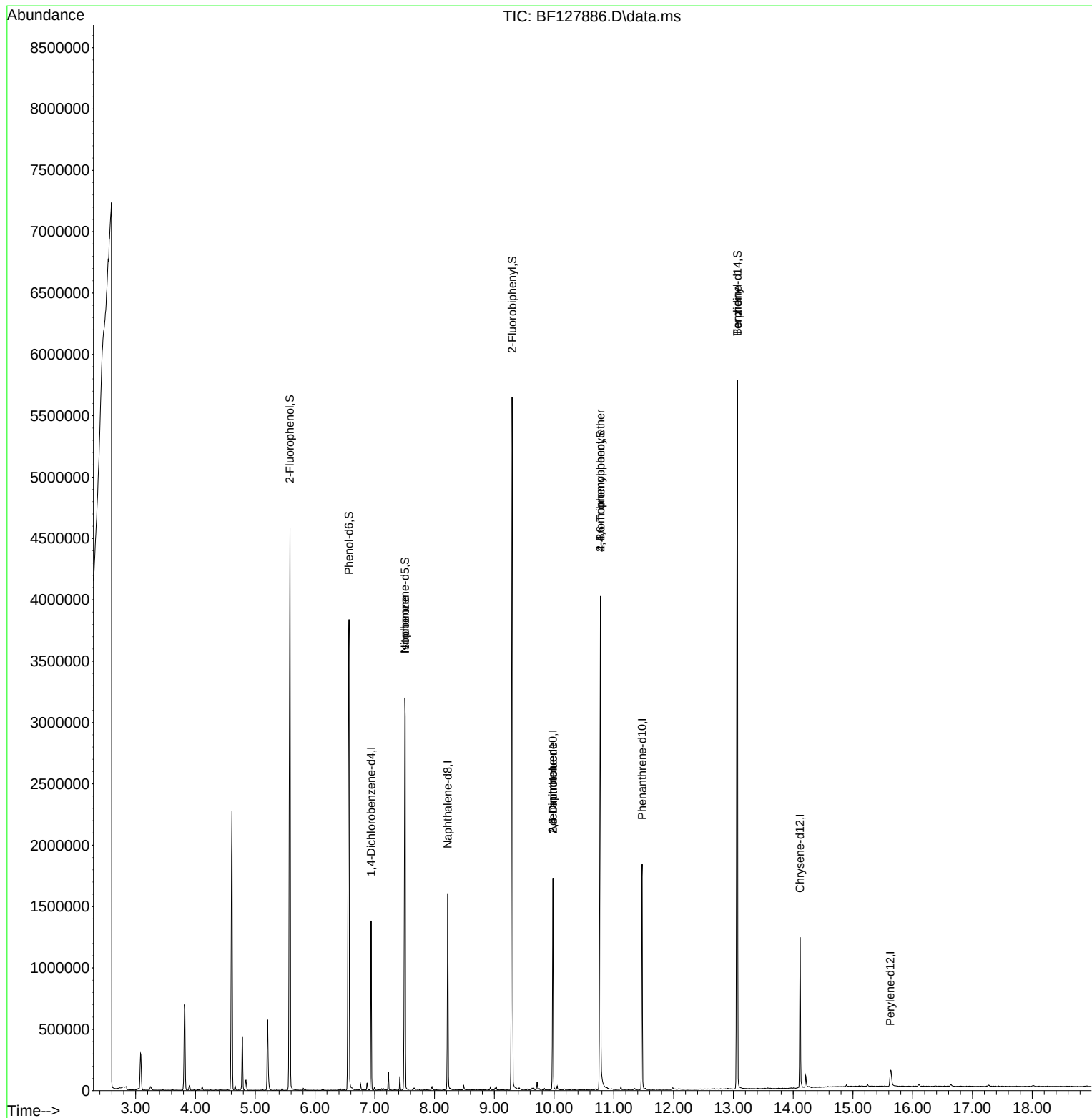
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	175324	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	686606	20.000	ng	0.00
39) Acenaphthene-d10	9.980	164	341270	20.000	ng	0.00
64) Phenanthrene-d10	11.475	188	712685	20.000	ng	0.00
76) Chrysene-d12	14.116	240	398430	20.000	ng	-0.01
86) Perylene-d12	15.627	264	33393	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	1318921	119.821	ng	0.02
7) Phenol-d6	6.569	99	1524687	106.750	ng	0.00
23) Nitrobenzene-d5	7.504	82	1324487	90.711	ng	0.00
42) 2,4,6-Tribromophenol	10.775	330	542877	158.022	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	2097079	103.956	ng	0.00
79) Terphenyl-d14	13.069	244	2397203	110.018	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.504	82	1323352	53.850	ng	# 68
51) 2,6-Dinitrotoluene	9.980	165	43298	8.738	ng	# 22
57) 2,4-Dinitrotoluene	9.980	165	43298	6.596	ng	# 26
67) 4-Bromophenyl-phenylether	10.775	248	33641	4.258	ng	# 1
77) Benzidine	13.069	184	33954	4.504	ng	# 95

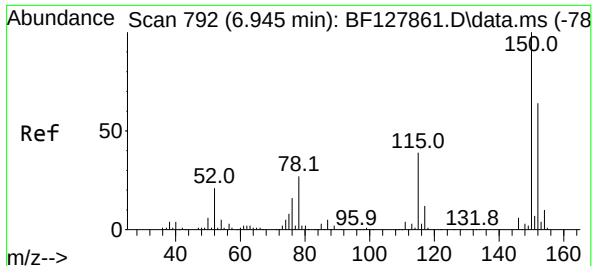
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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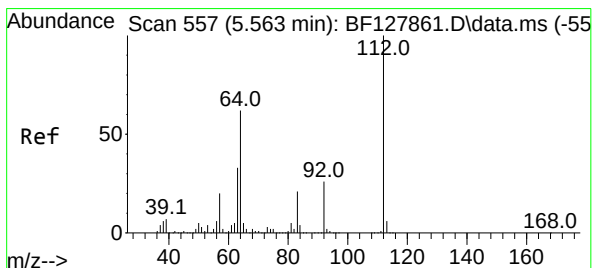
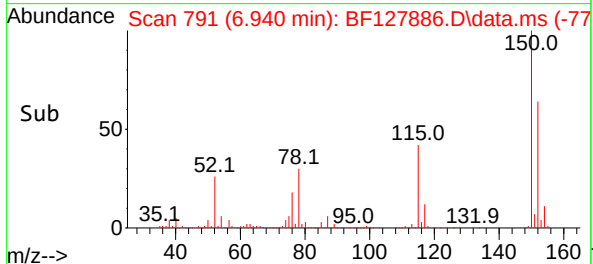
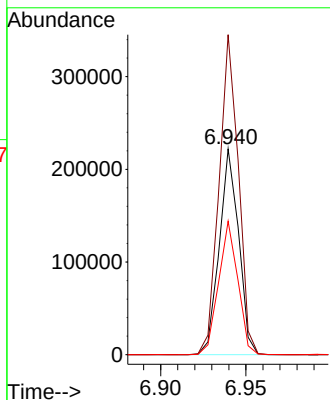
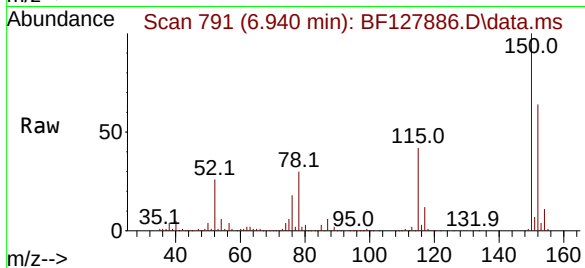




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 792
Delta R.T. -0.005 min
Lab File: BF127886.D
Acq: 25 Apr 2022 17:57

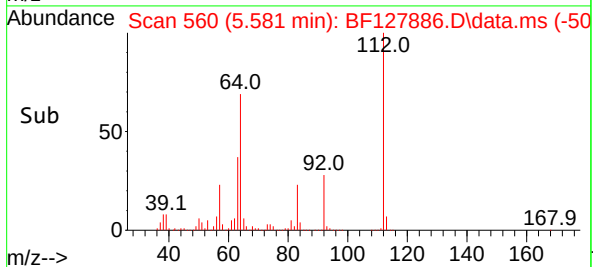
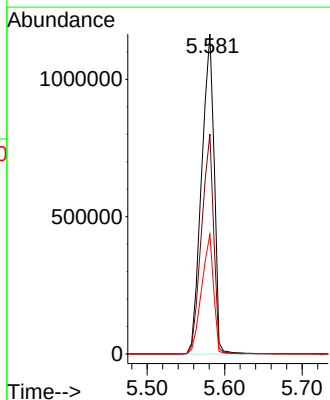
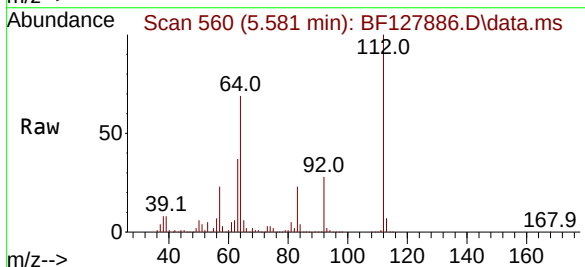
Instrument :
BNA_F
ClientSampleId :
TMS-JET-GROUT-SPOILS-B

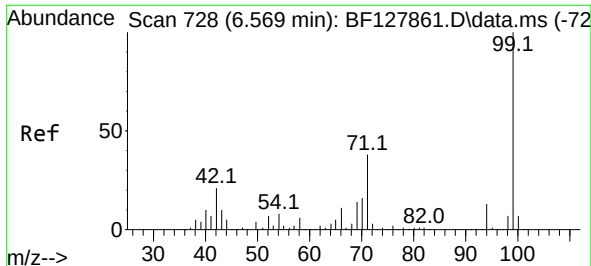
Tgt Ion:152 Resp: 175324
Ion Ratio Lower Upper
152 100
150 155.5 125.3 187.9
115 64.9 48.8 73.2



#5
2-Fluorophenol
Concen: 119.821 ng
RT: 5.581 min Scan# 560
Delta R.T. 0.018 min
Lab File: BF127886.D
Acq: 25 Apr 2022 17:57

Tgt Ion:112 Resp: 1318921
Ion Ratio Lower Upper
112 100
64 68.7 49.5 74.3
63 37.4 26.3 39.5





#7

Phenol-d6

Concen: 106.750 ng

RT: 6.569 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF127886.D

Acq: 25 Apr 2022 17:57

Instrument :

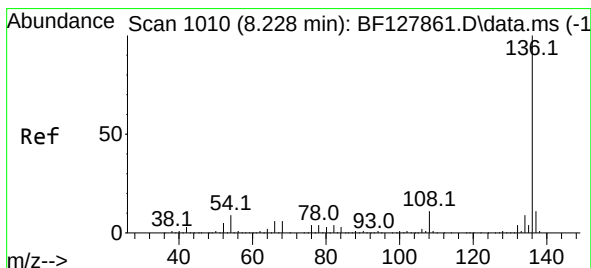
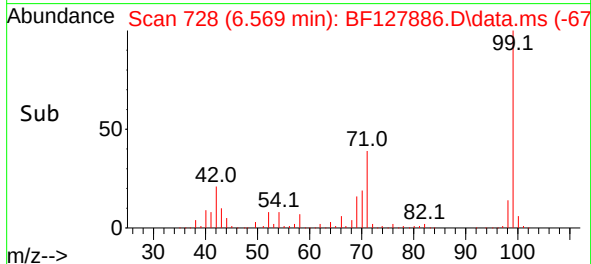
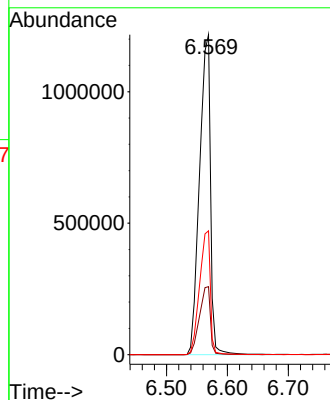
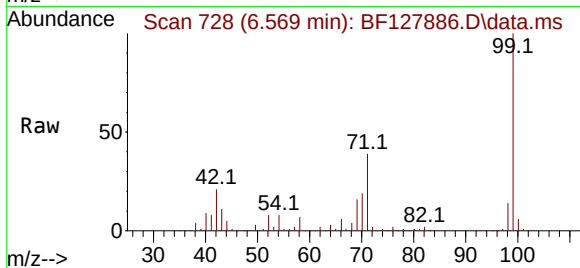
BNA_F

ClientSampleId :

TMS-JET-GROUT-SPOILS-B

Tgt Ion: 99 Resp: 1524687

Ion	Ratio	Lower	Upper
99	100		
42	21.2	16.6	24.8
71	38.7	30.0	45.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.222 min Scan# 1009

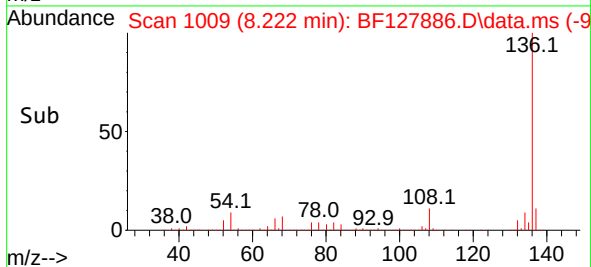
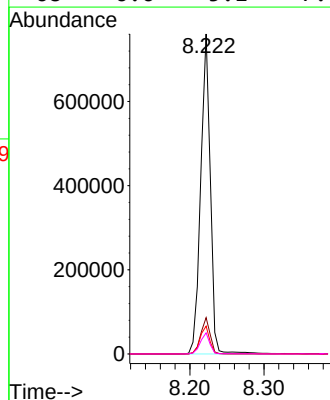
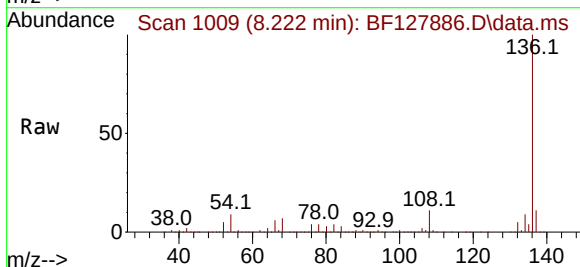
Delta R.T. -0.006 min

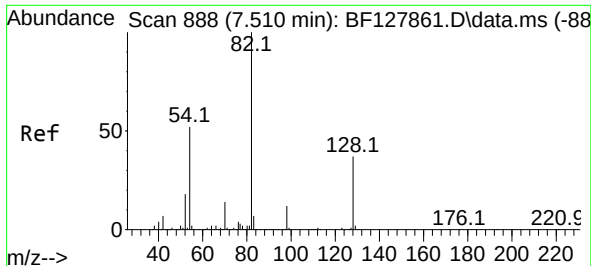
Lab File: BF127886.D

Acq: 25 Apr 2022 17:57

Tgt Ion: 136 Resp: 686606

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	8.7	6.8	10.2
68	6.6	5.1	7.7





#23

Nitrobenzene-d5

Concen: 90.711 ng

RT: 7.504 min Scan# 887

Delta R.T. -0.006 min

Lab File: BF127886.D

Acq: 25 Apr 2022 17:57

Instrument :

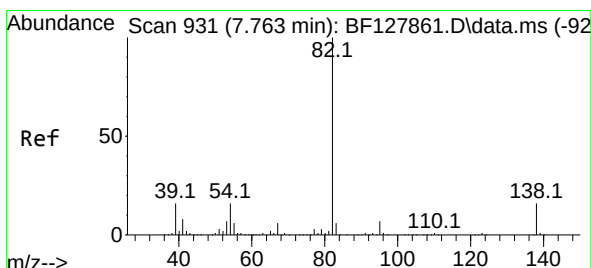
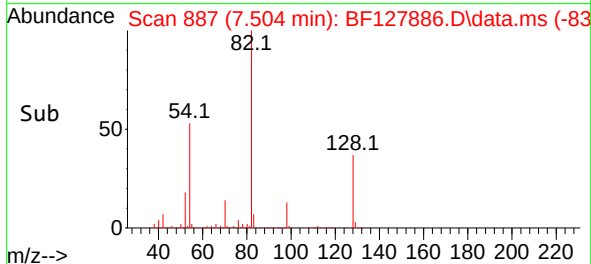
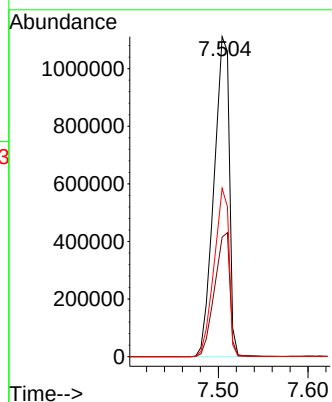
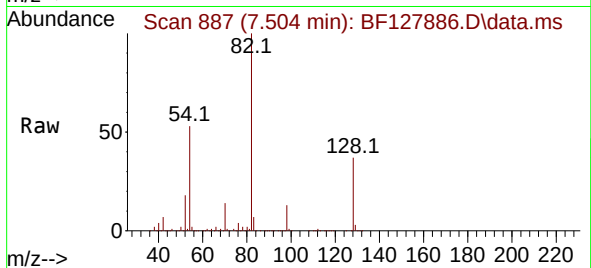
BNA_F

ClientSampleId :

TMS-JET-GROUT-SPOILS-B

Tgt Ion: 82 Resp: 1324487

Ion	Ratio	Lower	Upper
82	100		
128	37.4	30.0	45.0
54	52.6	41.3	61.9



#25

Isophorone

Concen: 53.850 ng

RT: 7.504 min Scan# 887

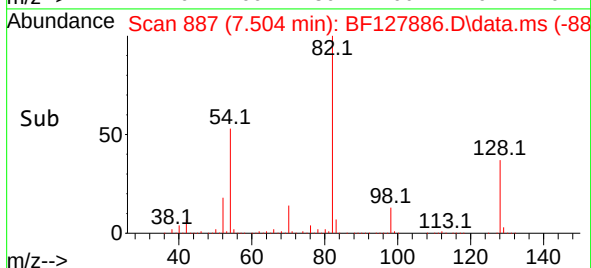
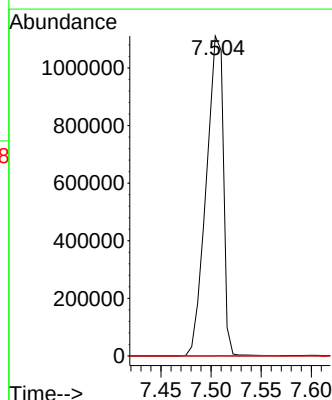
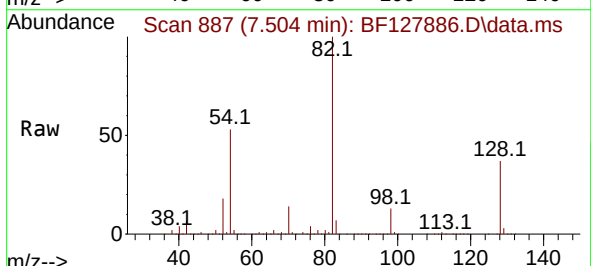
Delta R.T. -0.259 min

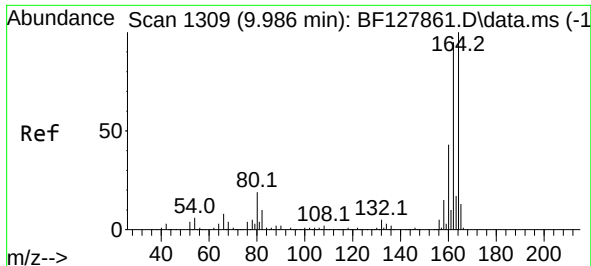
Lab File: BF127886.D

Acq: 25 Apr 2022 17:57

Tgt Ion: 82 Resp: 1323352

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	12.5	18.7#

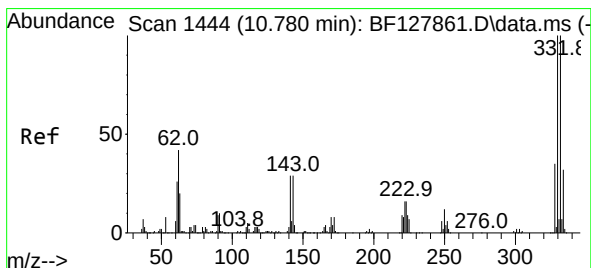
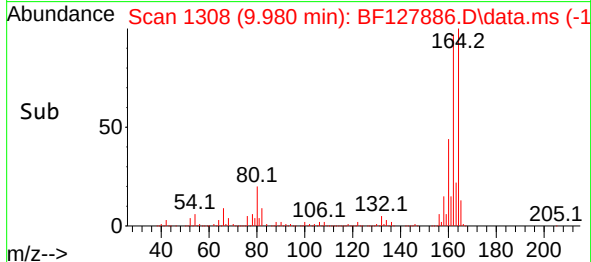
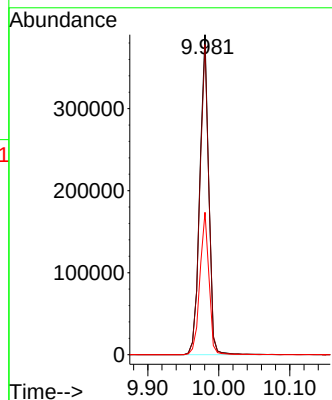
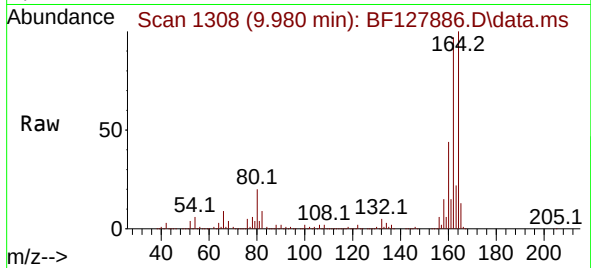




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.980 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127886.D
Acq: 25 Apr 2022 17:57

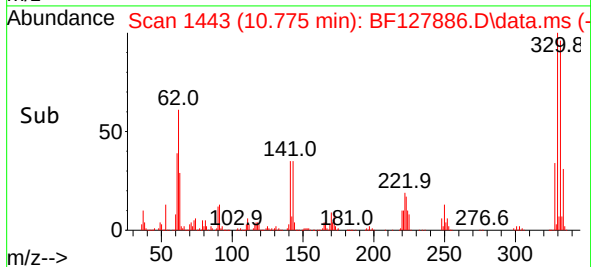
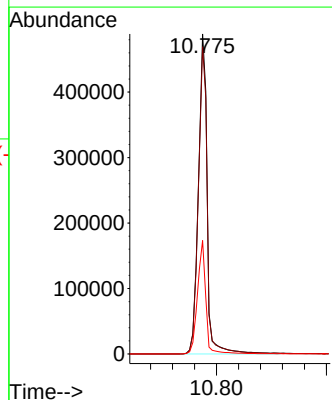
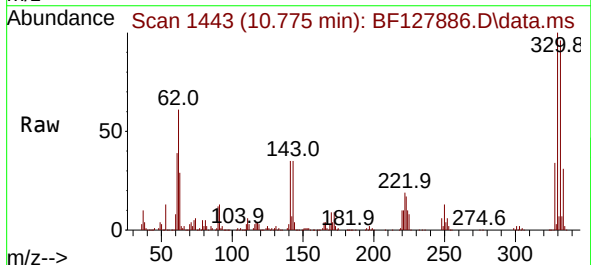
Instrument :
BNA_F
ClientSampleId :
TMS-JET-GROUT-SPOILS-B

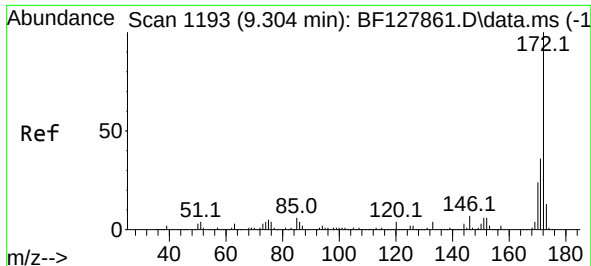
Tgt Ion:164 Resp: 341270
Ion Ratio Lower Upper
164 100
162 96.9 76.0 114.0
160 44.5 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 158.022 ng
RT: 10.775 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF127886.D
Acq: 25 Apr 2022 17:57

Tgt Ion:330 Resp: 542877
Ion Ratio Lower Upper
330 100
332 96.8 79.0 118.4
141 33.6 28.9 43.3

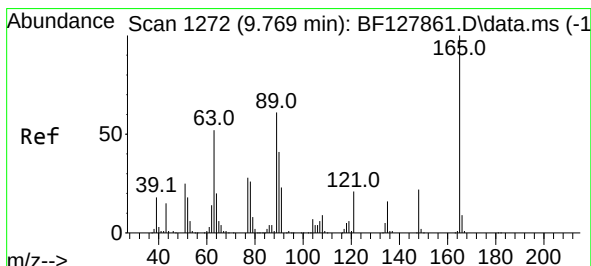
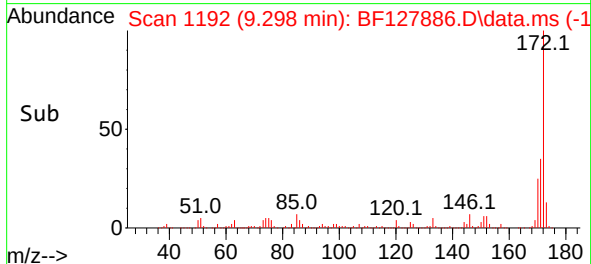
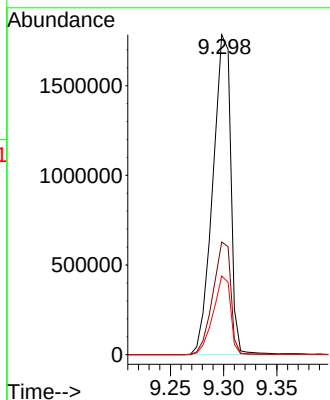
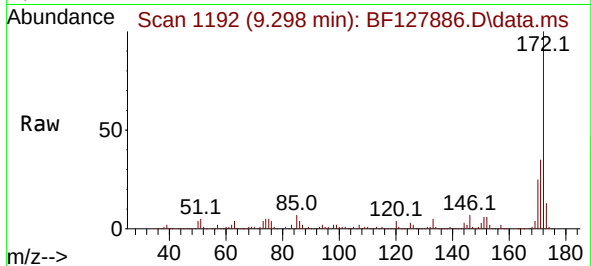




#45
2-Fluorobiphenyl
Concen: 103.956 ng
RT: 9.298 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF127886.D
Acq: 25 Apr 2022 17:57

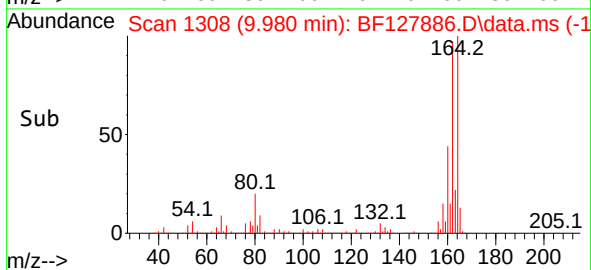
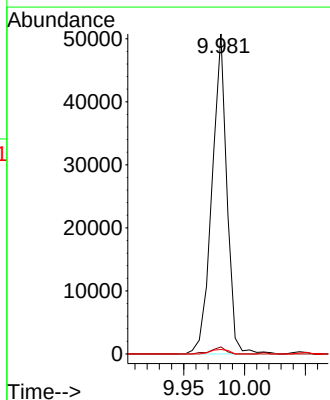
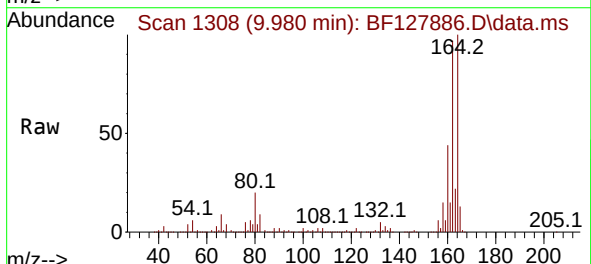
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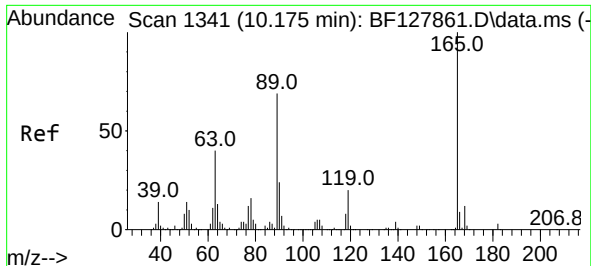
Tgt Ion:172 Resp: 2097079
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 24.6 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 8.738 ng
RT: 9.980 min Scan# 1308
Delta R.T. 0.211 min
Lab File: BF127886.D
Acq: 25 Apr 2022 17:57

Tgt Ion:165 Resp: 43298
Ion Ratio Lower Upper
165 100
63 2.2 49.5 74.3#
89 1.4 49.0 73.4#

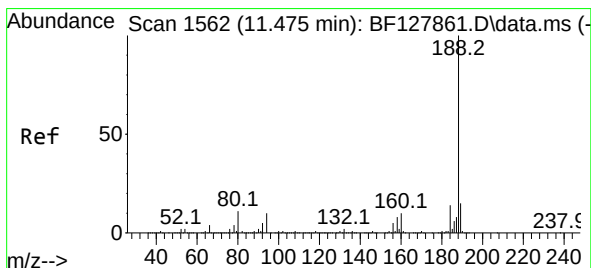
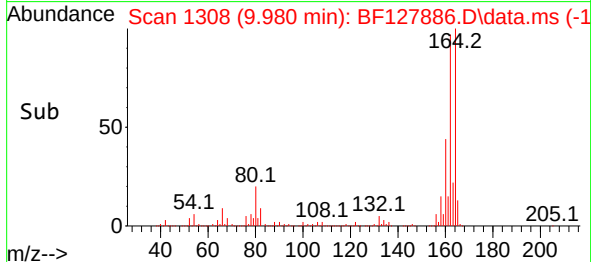
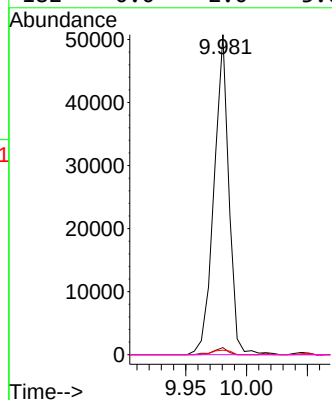
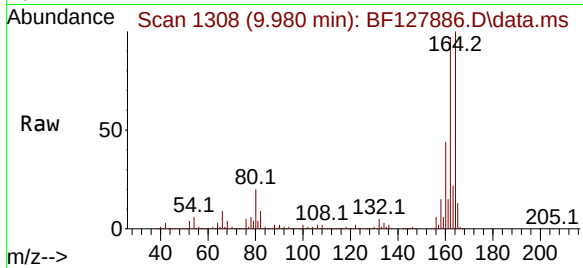




#57
2,4-Dinitrotoluene
Concen: 6.596 ng
RT: 9.980 min Scan# 1341
Delta R.T. -0.194 min
Lab File: BF127886.D
Acq: 25 Apr 2022 17:57

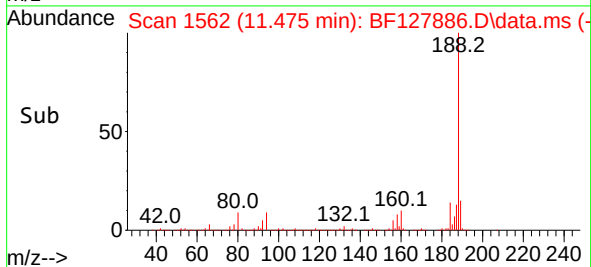
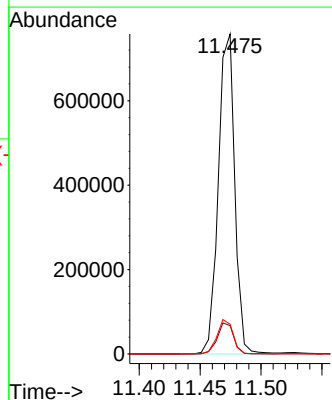
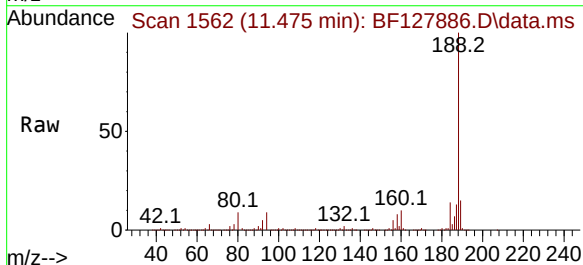
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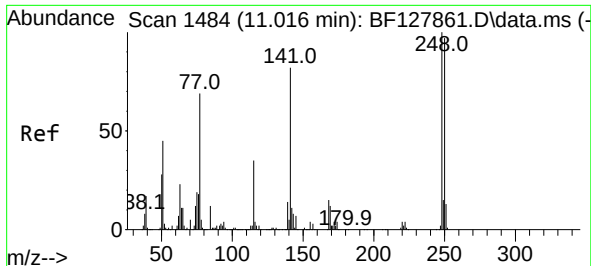
Tgt Ion:165 Resp: 43298
Ion Ratio Lower Upper
165 100
63 2.2 32.6 49.0#
89 1.4 55.2 82.8#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF127886.D
Acq: 25 Apr 2022 17:57

Tgt Ion:188 Resp: 712685
Ion Ratio Lower Upper
188 100
94 8.9 8.0 12.0
80 9.3 8.9 13.3





#67

4-Bromophenyl-phenylether

Concen: 4.258 ng

RT: 10.775 min Scan# 14

Delta R.T. -0.241 min

Lab File: BF127886.D

Acq: 25 Apr 2022 17:57

Instrument :

BNA_F

ClientSampleId :

TMS-JET-GROUT-SPOILS-B

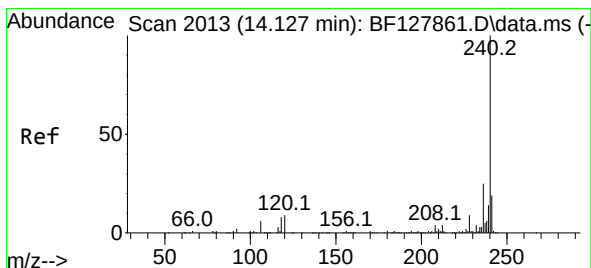
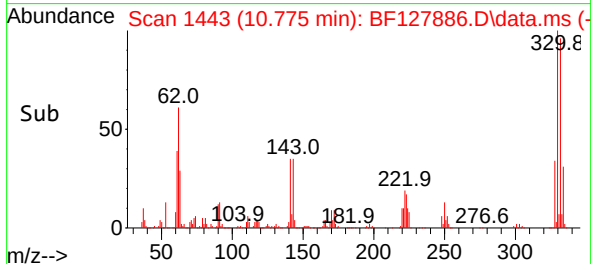
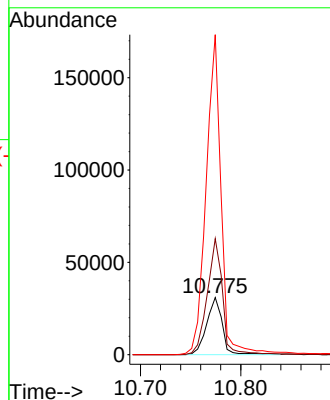
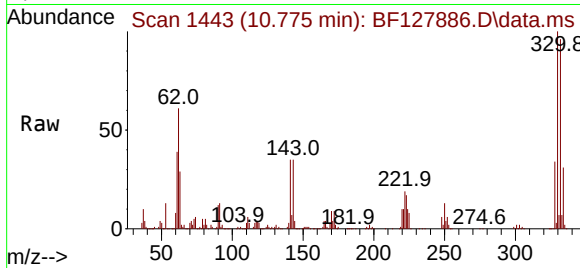
Tgt Ion:248 Resp: 33641

Ion Ratio Lower Upper

248 100

250 203.4 77.7 116.5#

141 560.8 65.6 98.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.116 min Scan# 2011

Delta R.T. -0.012 min

Lab File: BF127886.D

Acq: 25 Apr 2022 17:57

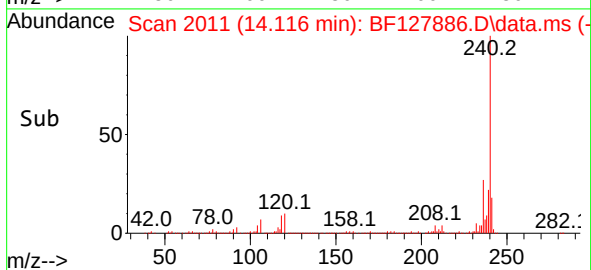
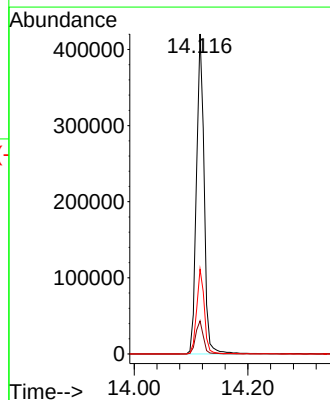
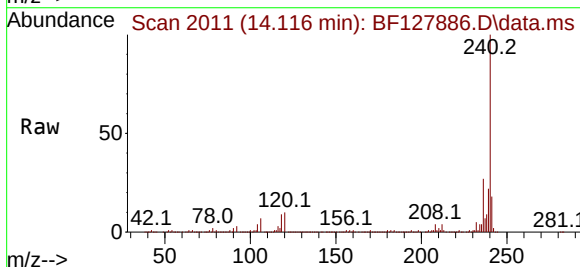
Tgt Ion:240 Resp: 398430

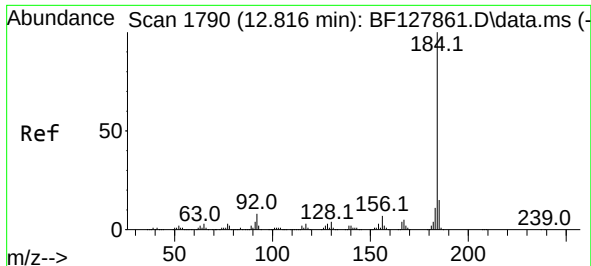
Ion Ratio Lower Upper

240 100

120 10.3 7.0 10.6

236 26.5 20.3 30.5

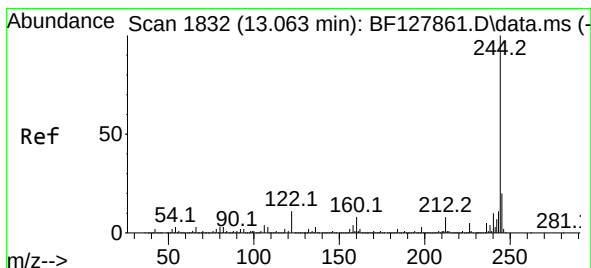
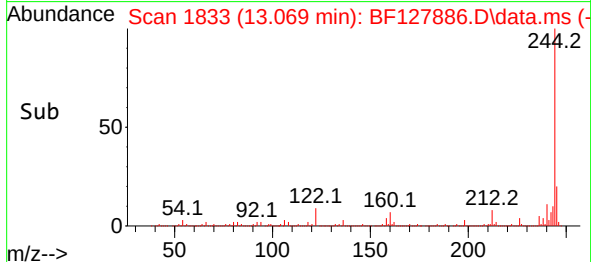
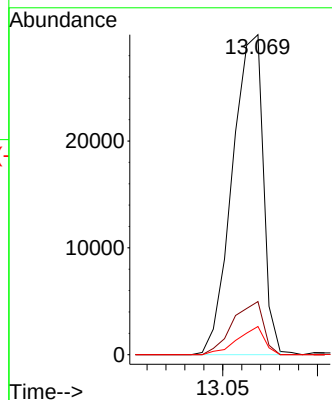
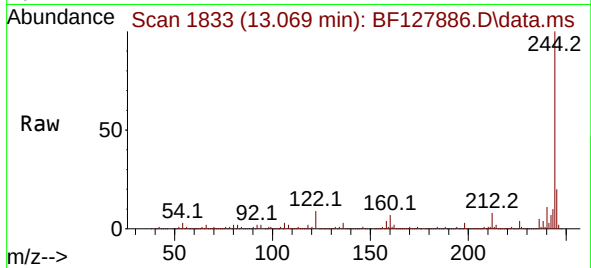




#77
Benzidine
Concen: 4.504 ng
RT: 13.069 min Scan# 1833
Delta R.T. 0.253 min
Lab File: BF127886.D
Acq: 25 Apr 2022 17:57

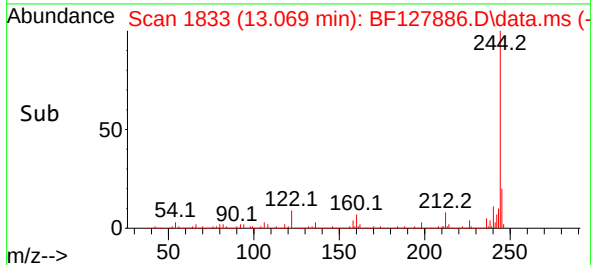
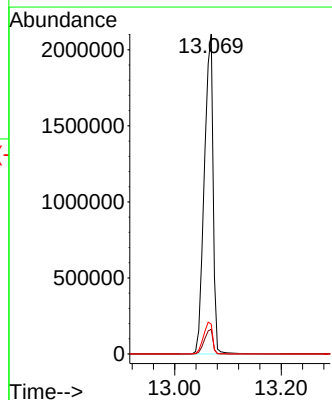
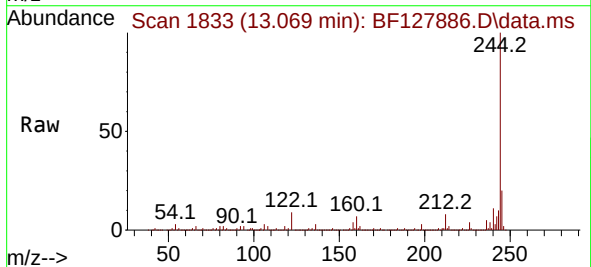
Instrument :
BNA_F
ClientSampleId :
TMS-JET-GROUT-SPOILS-B

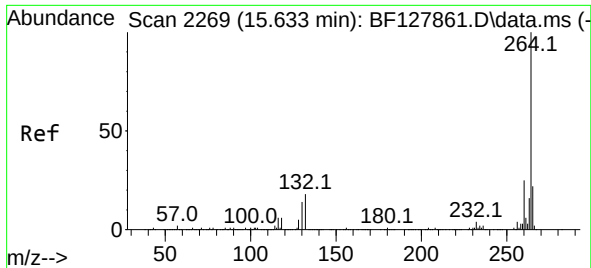
Tgt Ion:184 Resp: 33954
Ion Ratio Lower Upper
184 100
185 16.6 12.1 18.1
183 8.8 9.0 13.4#



#79
Terphenyl-d14
Concen: 110.018 ng
RT: 13.069 min Scan# 1833
Delta R.T. 0.006 min
Lab File: BF127886.D
Acq: 25 Apr 2022 17:57

Tgt Ion:244 Resp: 2397203
Ion Ratio Lower Upper
244 100
212 7.7 6.2 9.4
122 9.3 8.6 12.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF127886.D
Acq: 25 Apr 2022 17:57

Instrument :
BNA_F
ClientSampleId :
TMS-JET-GROUT-SPOILS-B

Tgt Ion:264 Resp: 33393
Ion Ratio Lower Upper
264 100
260 44.1 20.1 30.1#
265 20.5 17.5 26.3

