

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121821\
 Data File : BF126259.D
 Acq On : 18 Dec 2021 17:45
 Operator : JU/CG
 Sample : M5165-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXCAVATION-INFLUENT

Quant Time: Dec 20 08:03:27 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 16 12:22:48 2021
 Response via : Initial Calibration

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

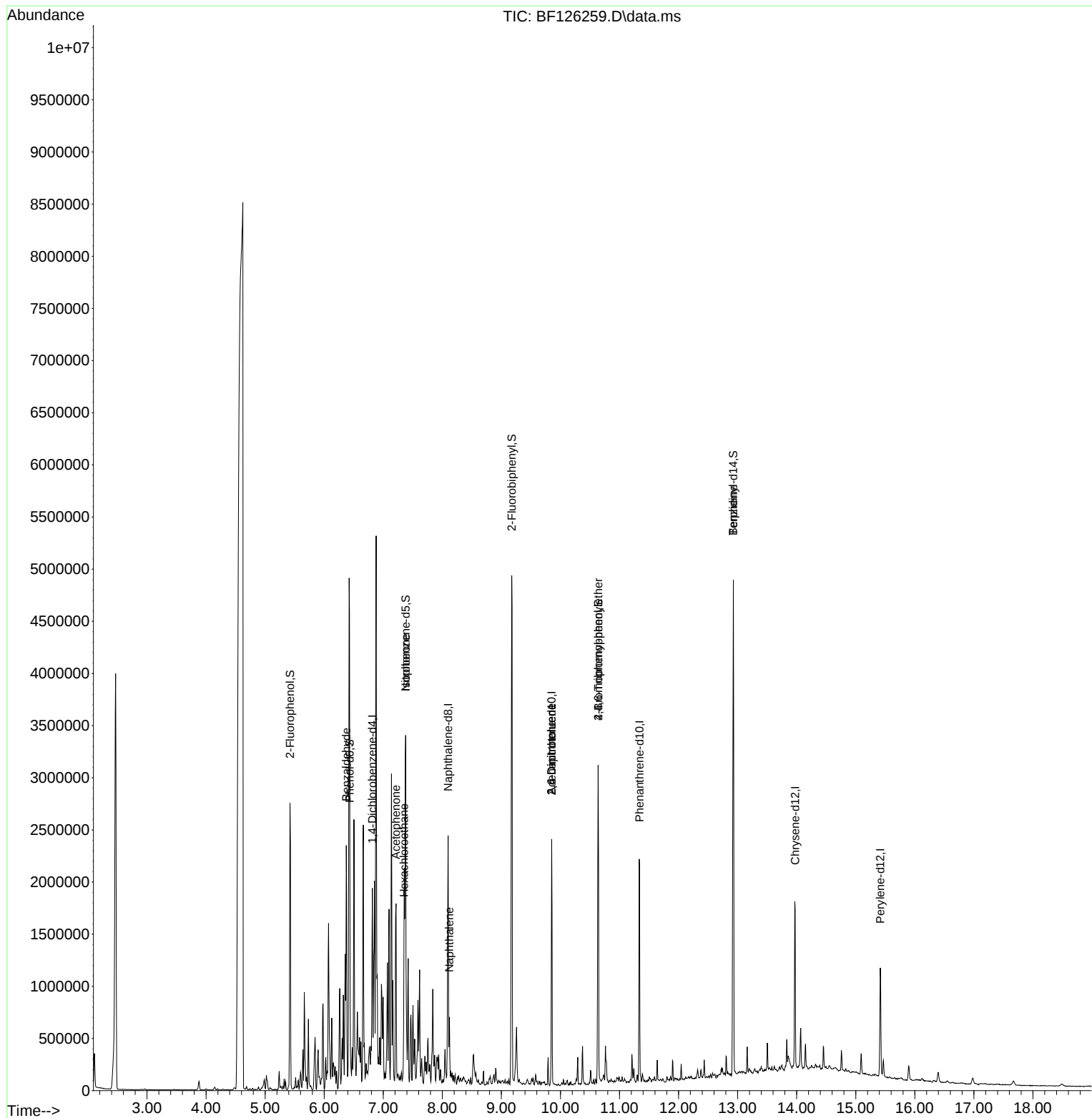
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	218575	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	967950	20.000	ng	# 0.00
39) Acenaphthene-d10	9.851	164	471071	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	785122	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	536563	20.000	ng	0.00
86) Perylene-d12	15.415	264	430110	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	740579	49.897	ng	0.00
7) Phenol-d6	6.434	99	541517	28.734	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1264112	70.730	ng	0.00
42) 2,4,6-Tribromophenol	10.639	330	387168	102.270	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	1742618	64.881	ng	0.00
79) Terphenyl-d14	12.927	244	1720075	55.719	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.375	77	83811	7.370	ng	# 1
18) Hexachloroethane	7.351	117	99698	16.531	ng	# 1
22) Acetophenone	7.216	105	486244	21.827	ng	# 56
25) Isophorone	7.381	82	1218569	36.106	ng	# 59
31) Naphthalene	8.116	128	197729	4.368	ng	# 99
51) 2,6-Dinitrotoluene	9.851	165	61930	9.589	ng	# 28
57) 2,4-Dinitrotoluene	9.851	165	61930	7.517	ng	# 19
67) 4-Bromophenyl-phenylether	10.639	248	20539	2.787	ng	# 1
77) Benzidine	12.927	184	21938	2.593	ng	# 93

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 16 12:22:48 2021
Response via : Initial Calibration

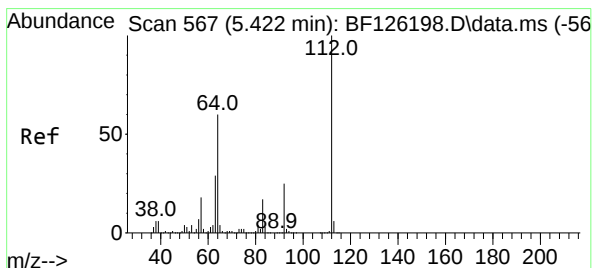
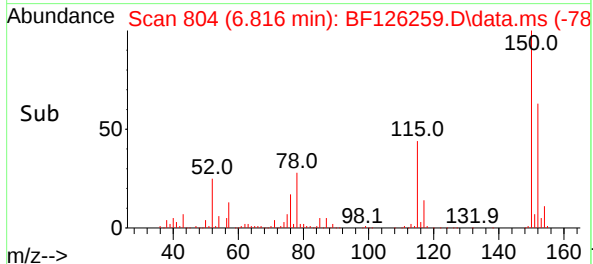
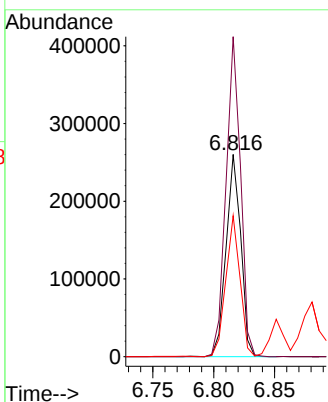
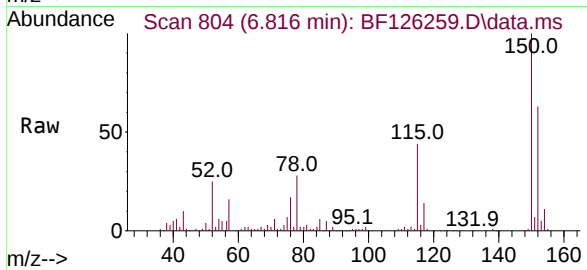




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

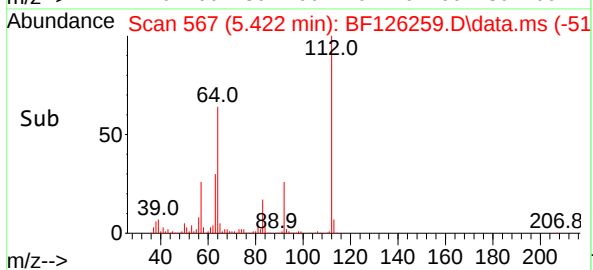
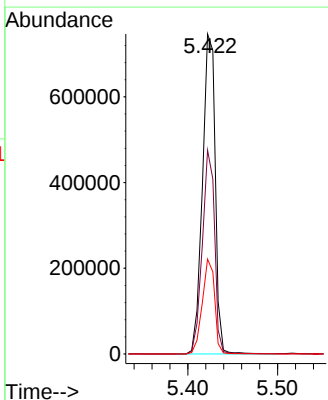
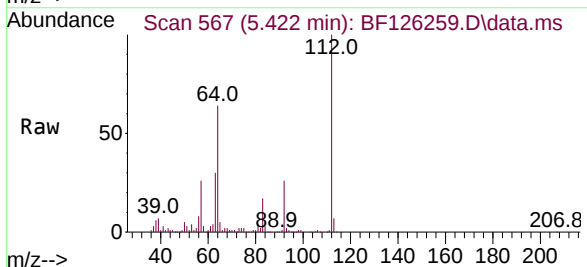
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-INFLUENT

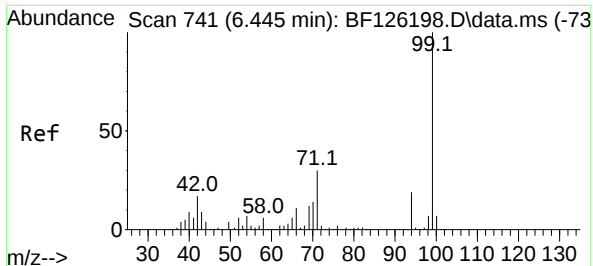
Tgt Ion:152 Resp: 218575
Ion Ratio Lower Upper
152 100
150 158.2 117.6 176.4
115 69.7 47.1 70.7



#5
2-Fluorophenol
Concen: 49.897 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

Tgt Ion:112 Resp: 740579
Ion Ratio Lower Upper
112 100
64 63.7 44.2 66.2
63 29.6 26.2 39.2

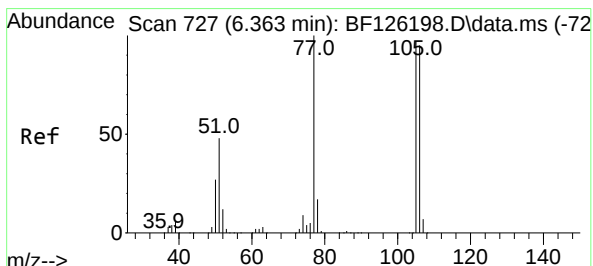
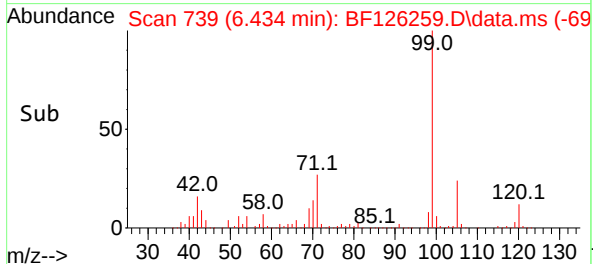
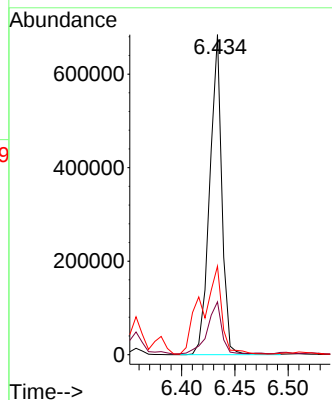
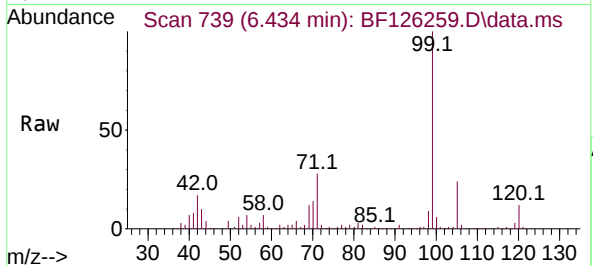




#7
Phenol-d6
Concen: 28.734 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

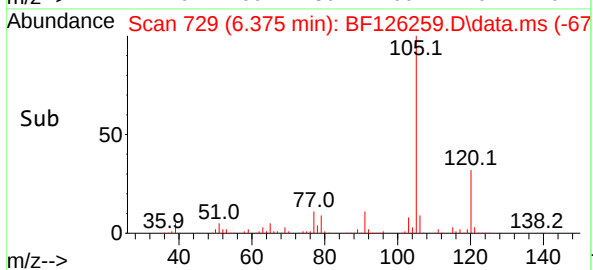
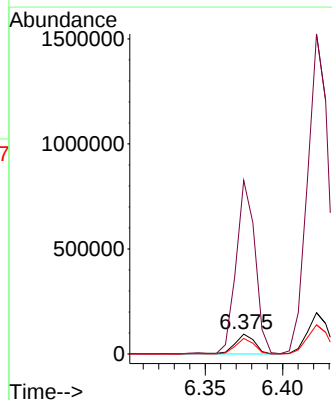
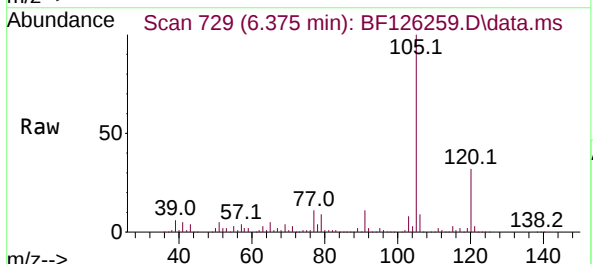
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-INFLUENT

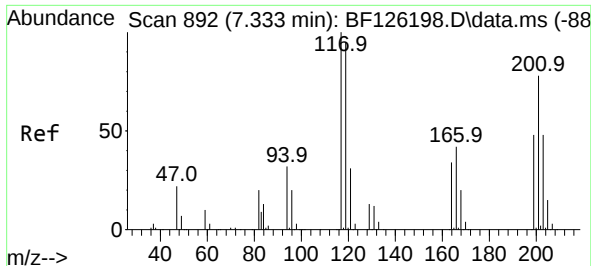
Tgt Ion: 99 Resp: 541517
Ion Ratio Lower Upper
99 100
42 16.5 23.5 35.3#
71 27.7 25.6 38.4



#9
Benzaldehyde
Concen: 7.370 ng
RT: 6.375 min Scan# 729
Delta R.T. 0.012 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

Tgt Ion: 77 Resp: 83811
Ion Ratio Lower Upper
77 100
105 874.1 75.9 115.9#
106 78.3 84.0 124.0#

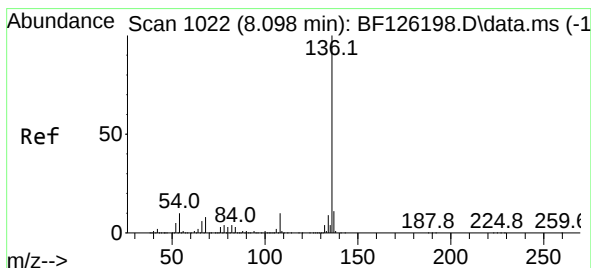
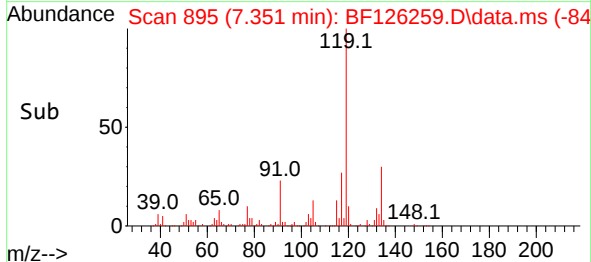
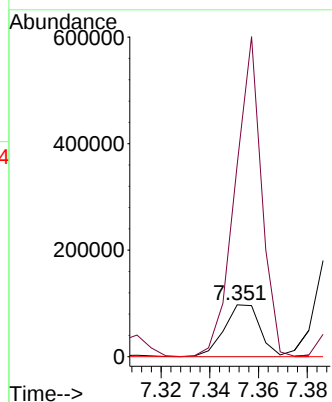
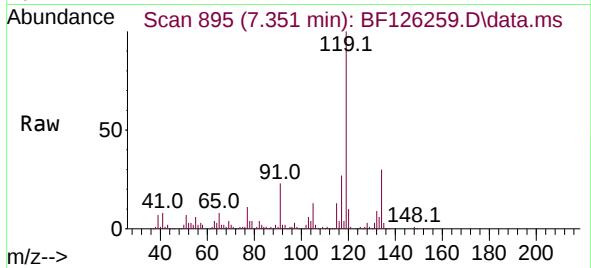




#18
Hexachloroethane
Concen: 16.531 ng
RT: 7.351 min Scan# 89
Delta R.T. 0.018 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

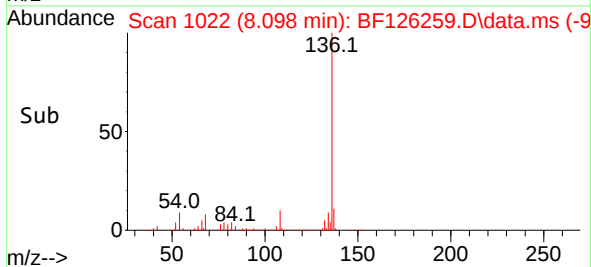
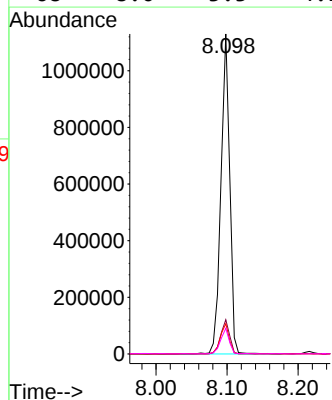
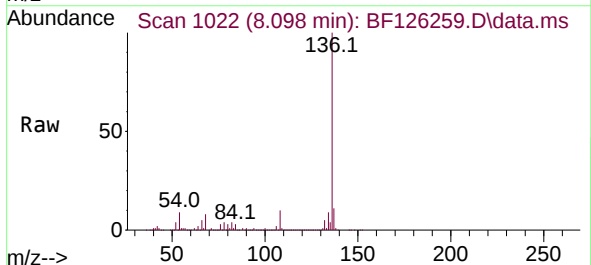
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-INFLUENT

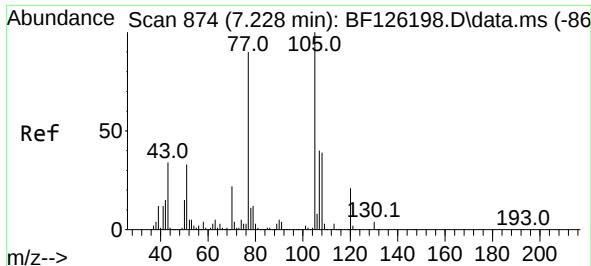
Tgt Ion:117 Resp: 99698
Ion Ratio Lower Upper
117 100
119 370.4 73.4 110.2#
201 0.0 64.9 97.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

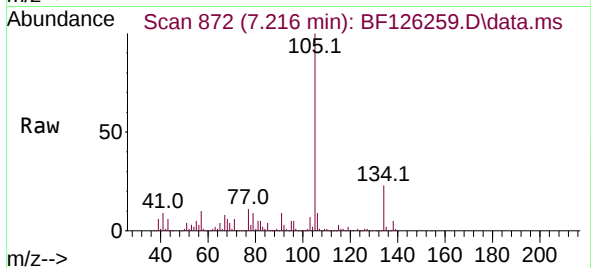
Tgt Ion:136 Resp: 967950
Ion Ratio Lower Upper
136 100
137 10.7 9.8 14.6
54 9.4 6.4 9.6
68 8.0 3.3 4.9#



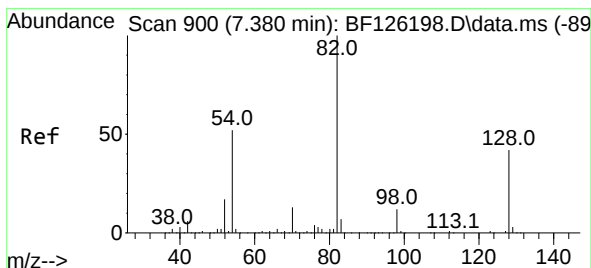
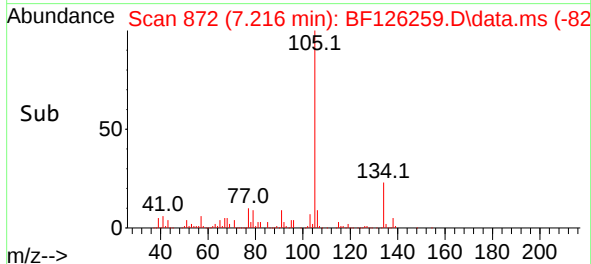
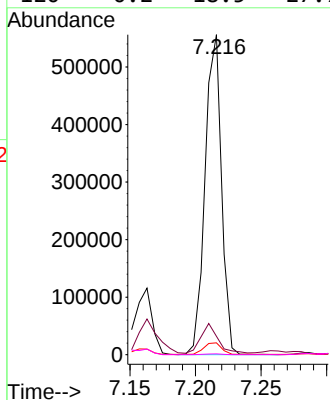


#22
Acetophenone
Concen: 21.827 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-INFLUENT

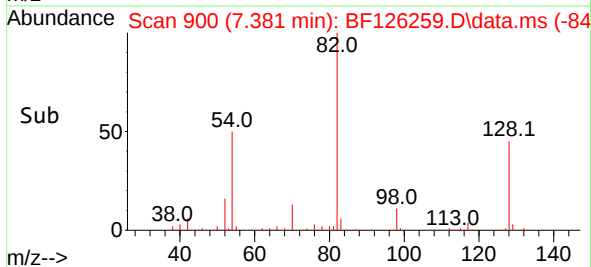
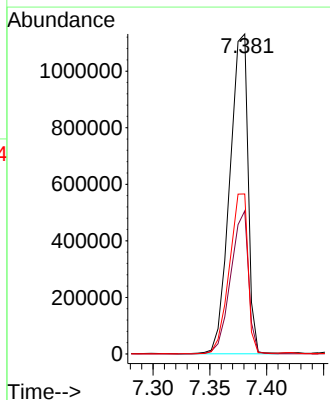
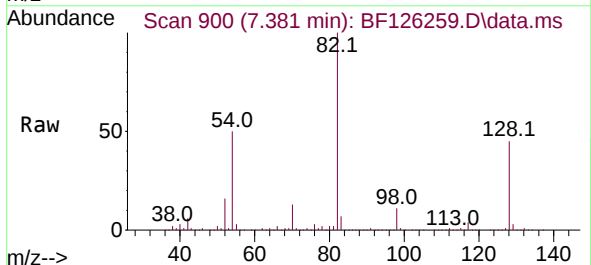


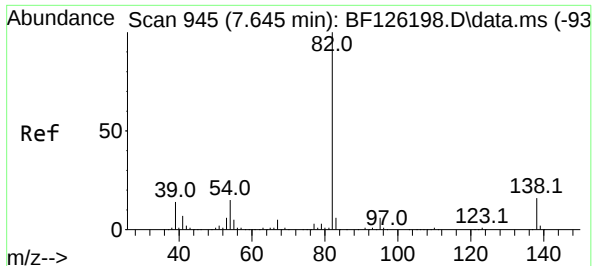
Tgt Ion:105 Resp: 486244
Ion Ratio Lower Upper
105 100
71 5.7 5.5 8.3
51 3.7 26.0 39.0#
120 0.2 18.5 27.7#



#23
Nitrobenzene-d5
Concen: 70.730 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

Tgt Ion: 82 Resp: 1264112
Ion Ratio Lower Upper
82 100
128 44.7 40.6 60.8
54 50.0 49.6 74.4

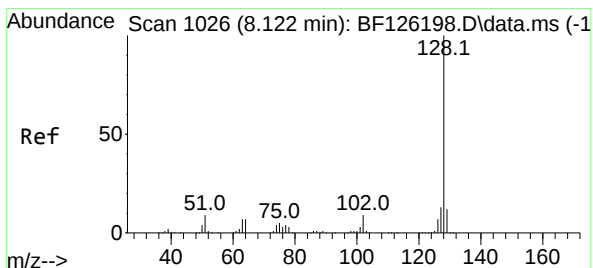
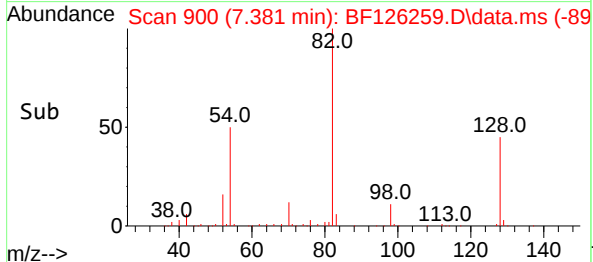
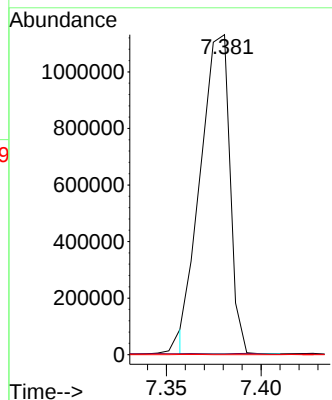
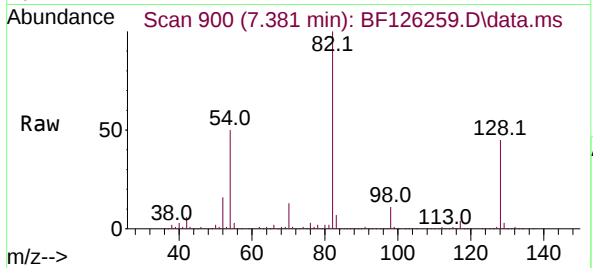




#25
Isophorone
Concen: 36.106 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

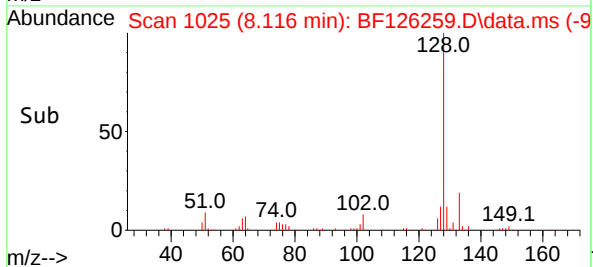
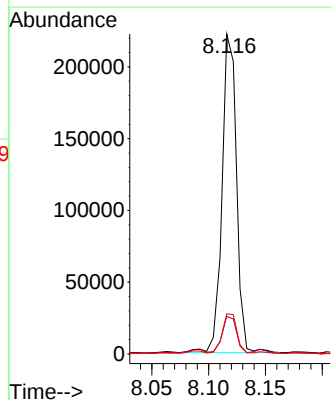
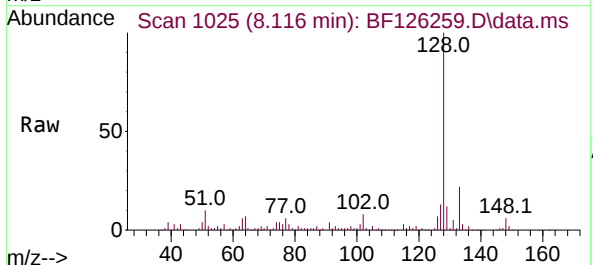
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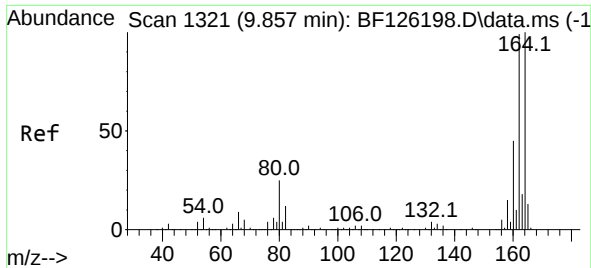
Tgt Ion: 82 Resp: 1218569
Ion Ratio Lower Upper
82 100
95 0.2 6.5 9.7#
138 0.0 18.4 27.6#



#31
Naphthalene
Concen: 4.368 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

Tgt Ion: 128 Resp: 197729
Ion Ratio Lower Upper
128 100
129 11.8 9.4 14.0
127 12.6 10.9 16.3

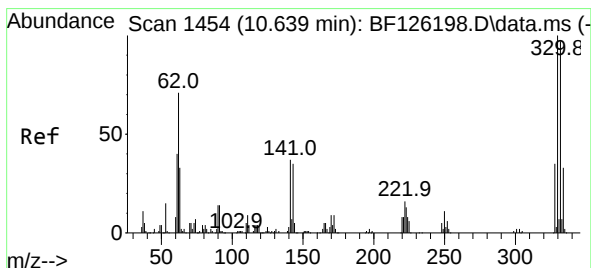
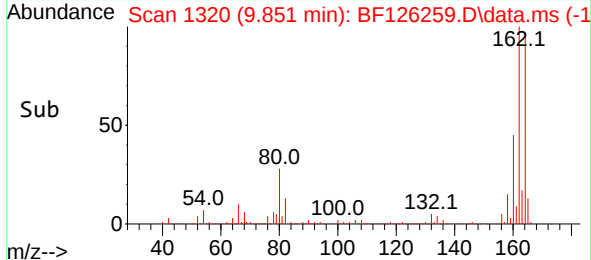
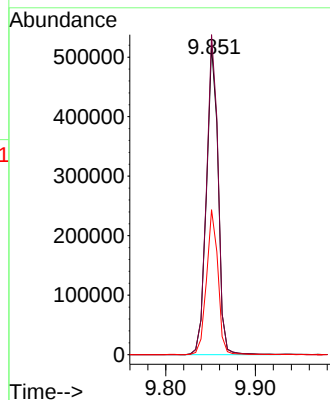
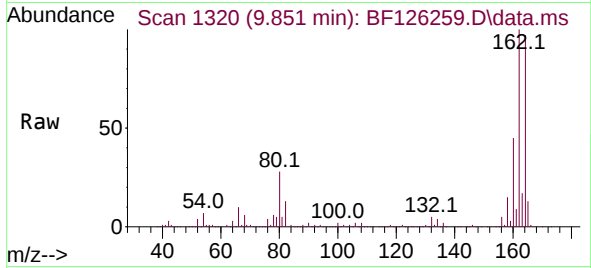




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

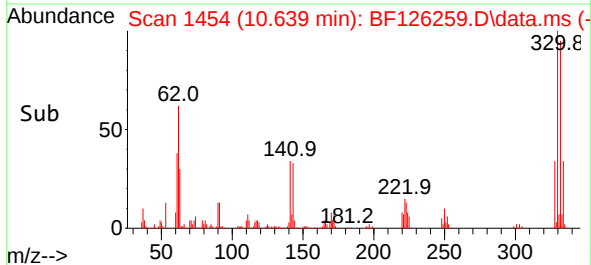
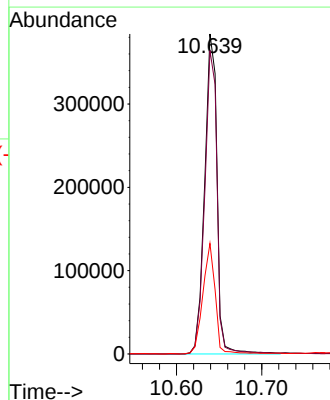
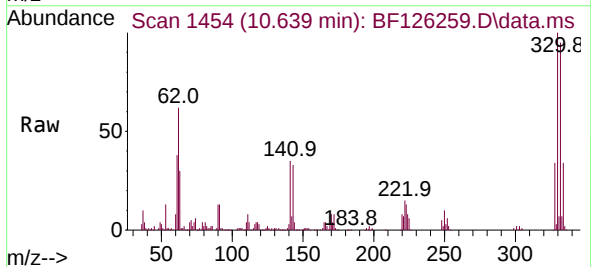
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EXCAVATION-INFLUENT

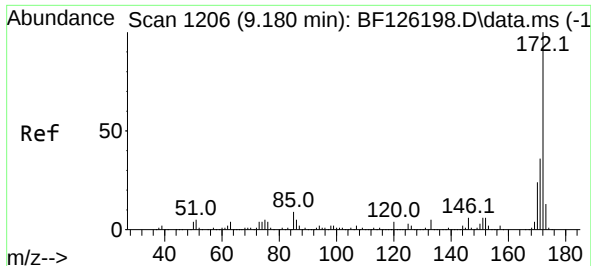
Tgt Ion:164 Resp: 471071
Ion Ratio Lower Upper
164 100
162 103.6 81.3 121.9
160 46.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 102.270 ng
RT: 10.639 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

Tgt Ion:330 Resp: 387168
Ion Ratio Lower Upper
330 100
332 95.0 76.2 114.4
141 34.5 44.6 66.8#

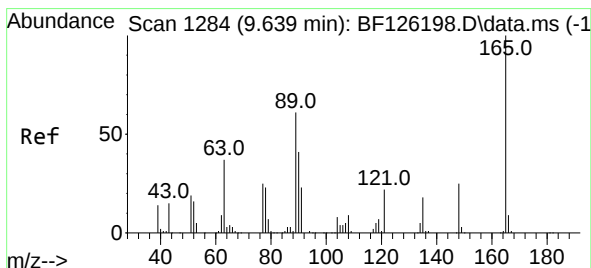
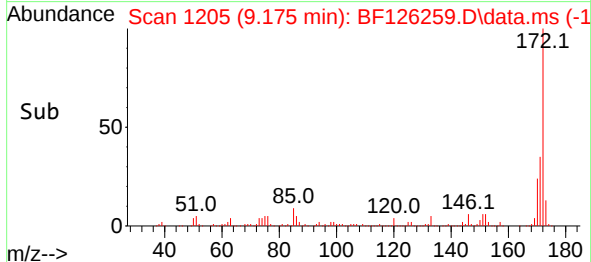
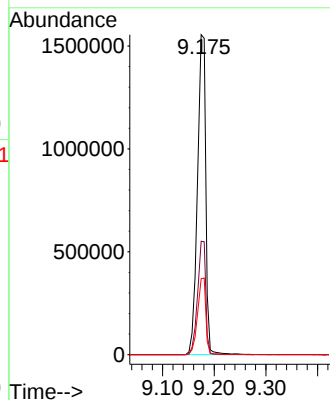
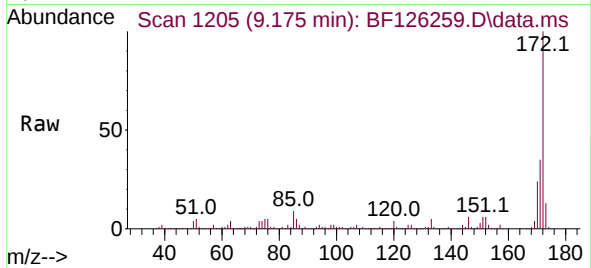




#45
2-Fluorobiphenyl
Concen: 64.881 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

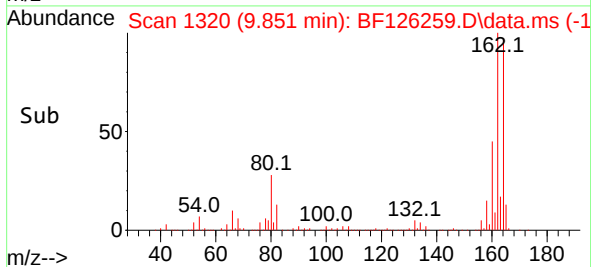
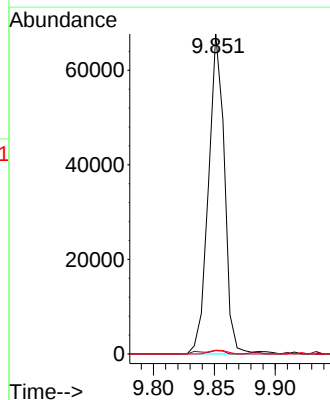
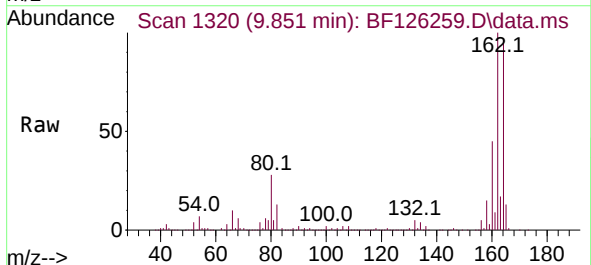
Instrument :
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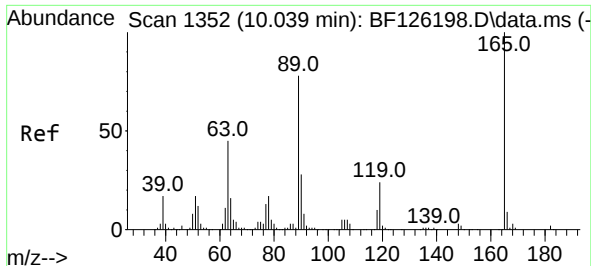
Tgt Ion:172 Resp: 1742618
Ion Ratio Lower Upper
172 100
171 35.5 26.5 39.7
170 23.8 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.589 ng
RT: 9.851 min Scan# 1320
Delta R.T. 0.212 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

Tgt Ion:165 Resp: 61930
Ion Ratio Lower Upper
165 100
63 1.1 42.6 63.8#
89 1.2 40.6 60.8#

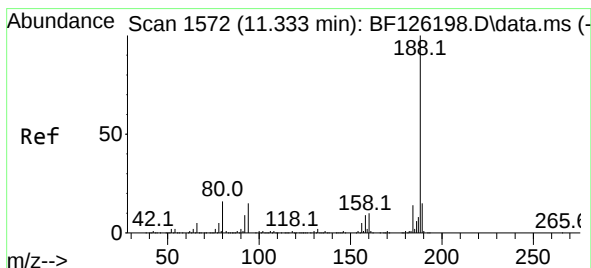
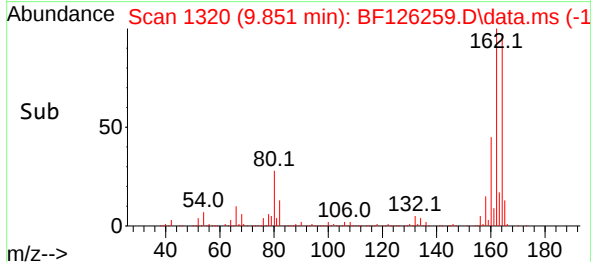
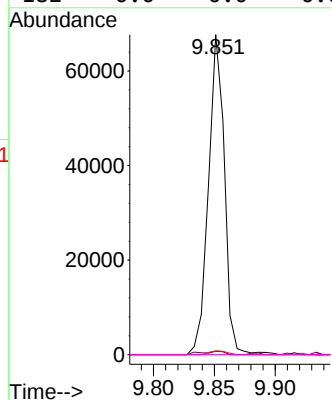
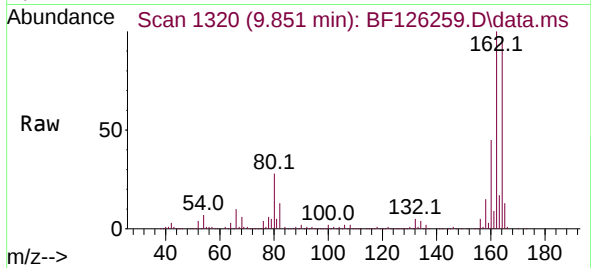




#57
2,4-Dinitrotoluene
Concen: 7.517 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

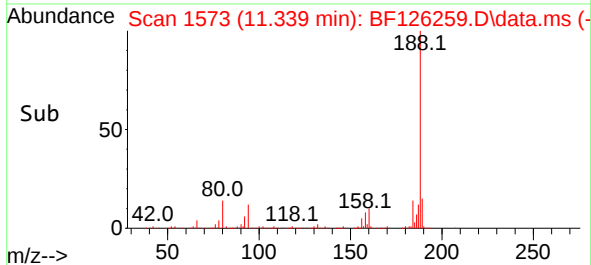
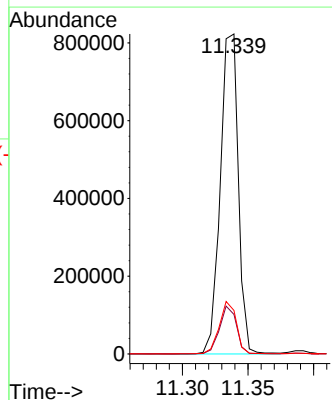
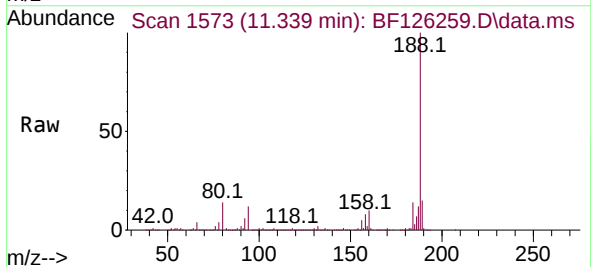
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-INFLUENT

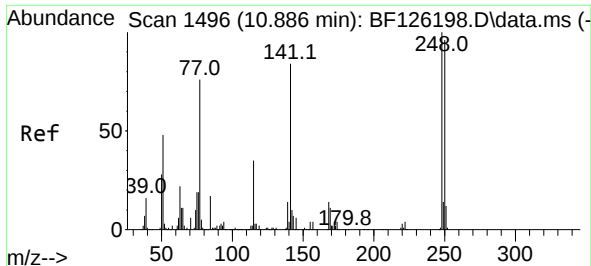
Tgt Ion:165 Resp: 61930
Ion Ratio Lower Upper
165 100
63 1.1 40.9 61.3#
89 1.2 59.7 89.5#
182 0.0 0.0 0.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. 0.006 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

Tgt Ion:188 Resp: 785122
Ion Ratio Lower Upper
188 100
94 12.4 6.7 10.1#
80 13.6 7.5 11.3#





#67

4-Bromophenyl-phenylether

Concen: 2.787 ng

RT: 10.639 min Scan# 1496

Delta R.T. -0.247 min

Lab File: BF126259.D

Acq: 18 Dec 2021 17:45

Instrument :

BNA_F

ClientSampleId :

EXCAVATION-INFLUENT

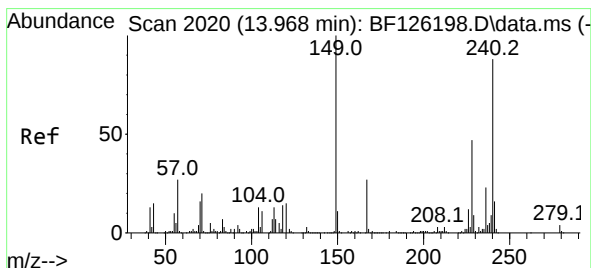
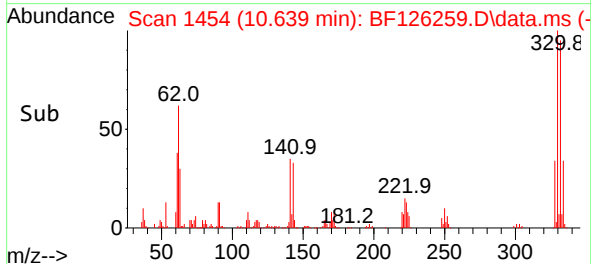
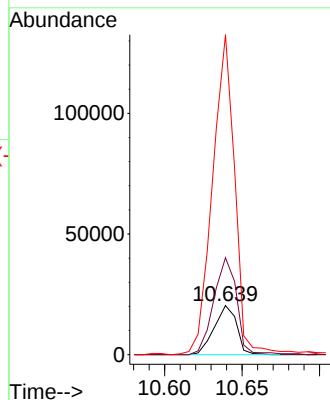
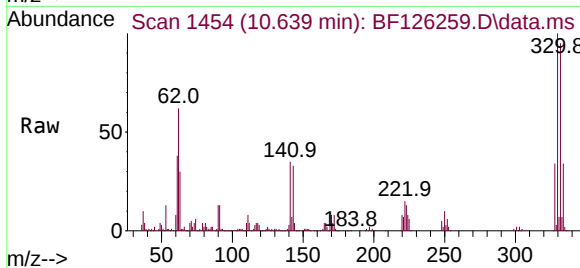
Tgt Ion:248 Resp: 20539

Ion Ratio Lower Upper

248 100

250 196.9 74.2 111.4#

141 650.3 60.4 90.6#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. 0.006 min

Lab File: BF126259.D

Acq: 18 Dec 2021 17:45

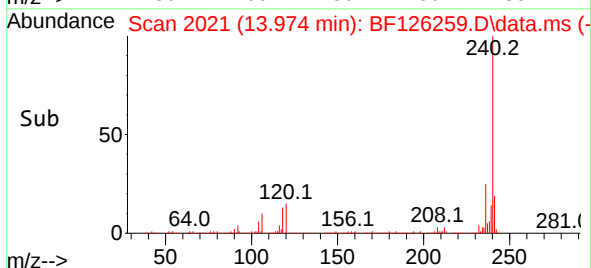
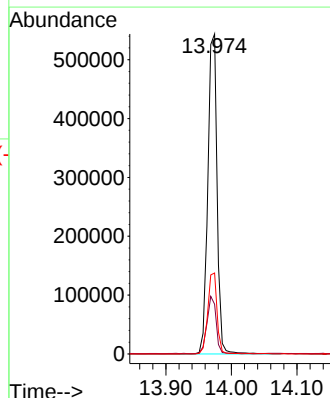
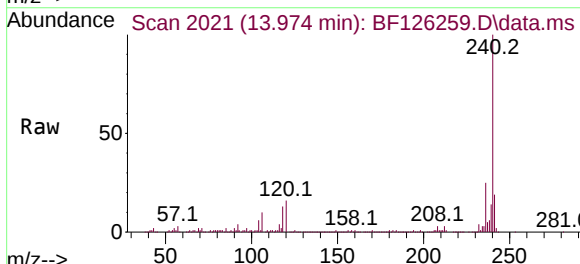
Tgt Ion:240 Resp: 536563

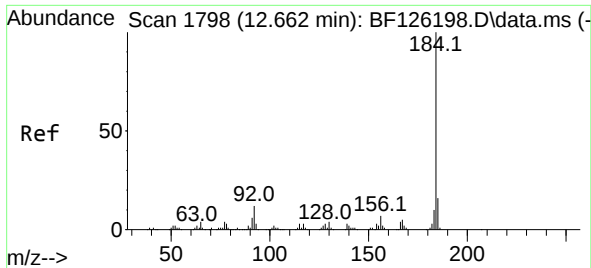
Ion Ratio Lower Upper

240 100

120 15.5 10.8 16.2

236 25.3 21.6 32.4

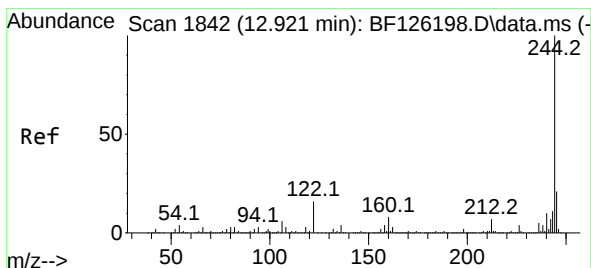
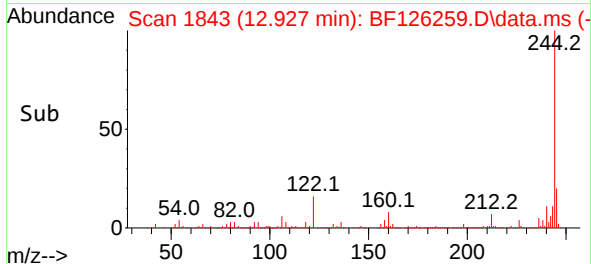
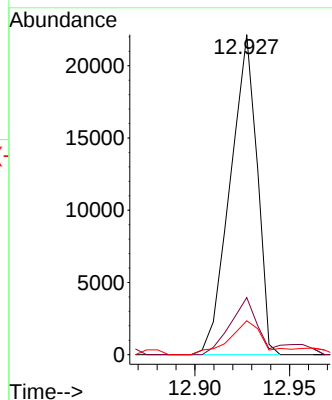
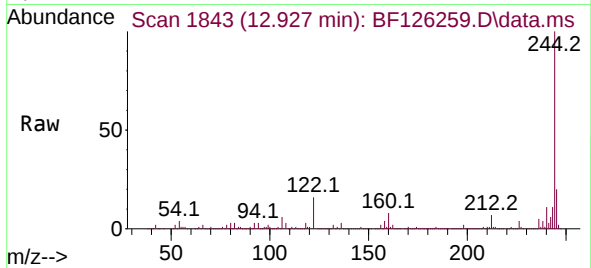




#77
Benzidine
Concen: 2.593 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.265 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

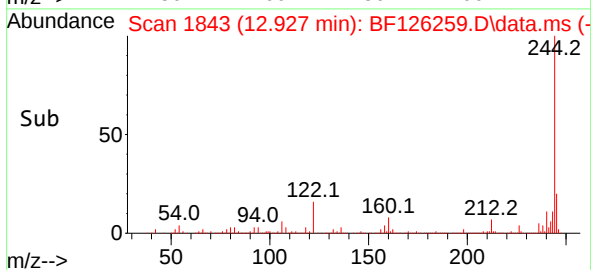
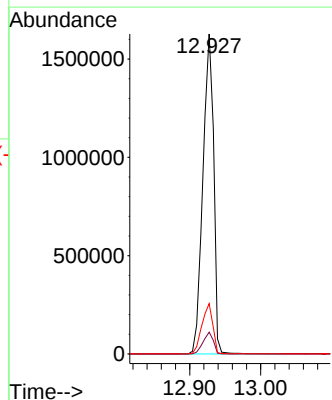
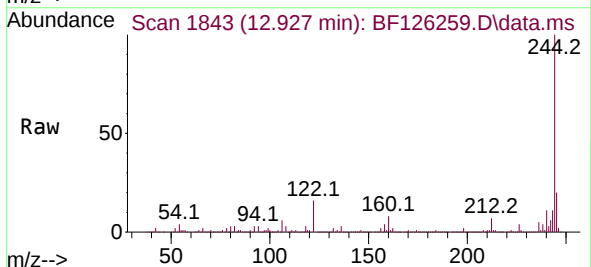
Instrument :
BNA_F
ClientSampleId :
EXCAVATION-INFLUENT

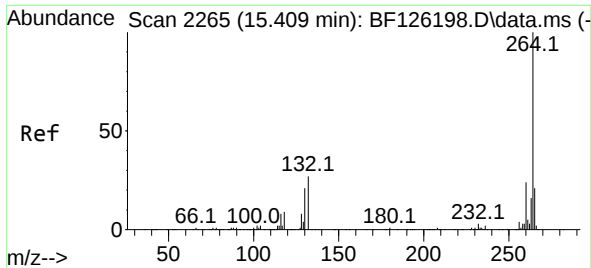
Tgt Ion:184 Resp: 21938
Ion Ratio Lower Upper
184 100
185 17.8 10.8 16.2#
183 10.6 8.1 12.1



#79
Terphenyl-d14
Concen: 55.719 ng
RT: 12.927 min Scan# 1843
Delta R.T. 0.006 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

Tgt Ion:244 Resp: 1720075
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 15.7 9.0 13.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF126259.D
Acq: 18 Dec 2021 17:45

Instrument :
BNA_F
ClientSampleId :
EXCAVATION-INFLUENT

Tgt Ion:264 Resp: 430110
Ion Ratio Lower Upper
264 100
260 24.0 19.6 29.4
265 22.4 17.2 25.8

