

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111221\
 Data File : BF126160.D
 Acq On : 12 Nov 2021 19:04
 Operator : JU/CG
 Sample : M4603-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ISCO-SOIL-IDW-11082021

Quant Time: Nov 15 06:36:40 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

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

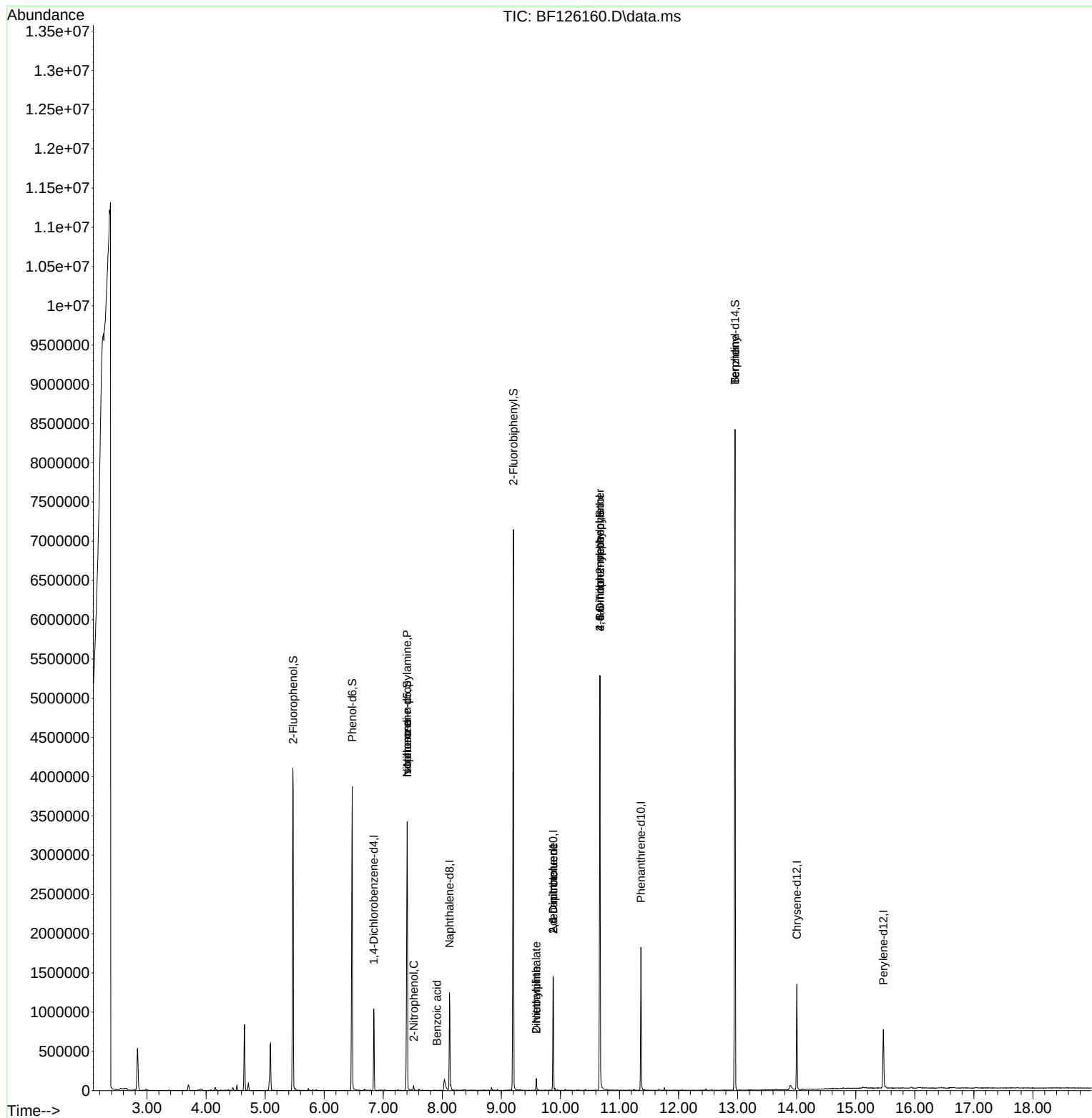
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	138842	20.000	ng	-0.02
21) Naphthalene-d8	8.122	136	509701	20.000	ng	#-0.02
39) Acenaphthene-d10	9.880	164	309079	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	580240	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	452382	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	345089	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	1028853	127.255	ng	0.01
7) Phenol-d6	6.475	99	1125941	98.791	ng	-0.01
23) Nitrobenzene-d5	7.404	82	1134228	104.945	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	569727	160.846	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	2145297	93.797	ng	-0.01
79) Terphenyl-d14	12.957	244	2725419	97.149	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.392	77	221	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	159809	21.269	ng	# 60
25) Isophorone	7.404	82	1132181	58.183	ng	# 59
26) 2-Nitrophenol	7.516	139	312	4.703	ng	# 39
32) Benzoic acid	7.910	122	186	9.176	ng	# 35
48) 2-Nitroaniline	9.592	65	767	2.967	ng	# 1
50) Dimethylphthalate	9.592	163	52864	2.349	ng	98
51) 2,6-Dinitrotoluene	9.880	165	38876	10.079	ng	# 28
57) 2,4-Dinitrotoluene	9.880	165	38876	9.701	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.669	198	1066	8.632	ng	# 1
67) 4-Bromophenyl-phenylether	10.669	248	37963	5.402	ng	# 1
77) Benzidine	12.957	184	42261	2.795	ng	98

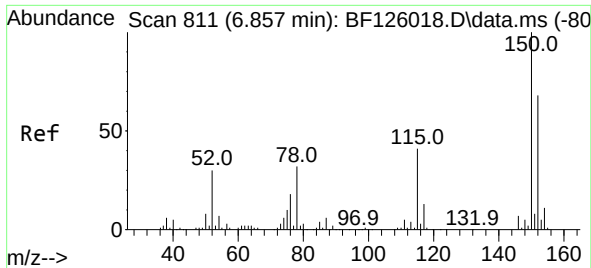
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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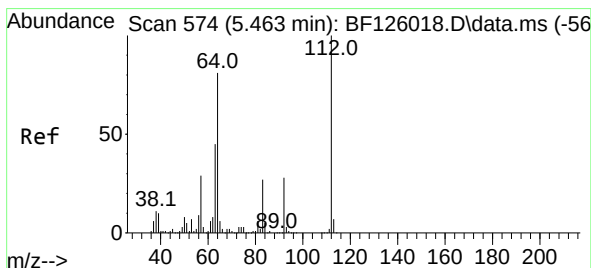
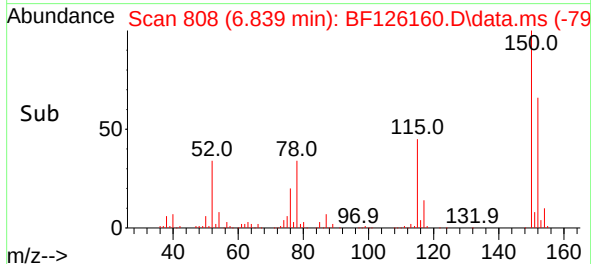
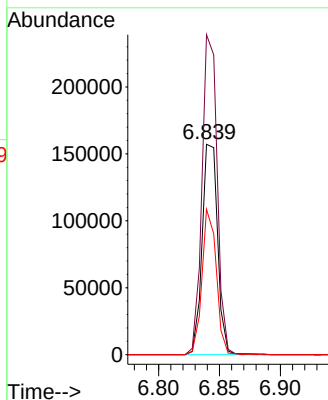
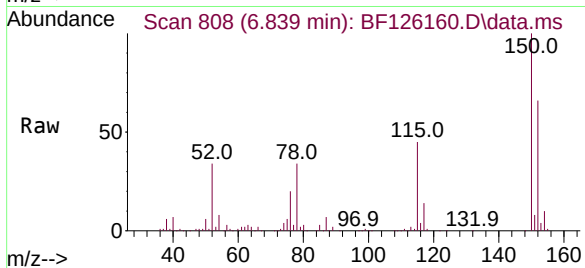




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.018 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

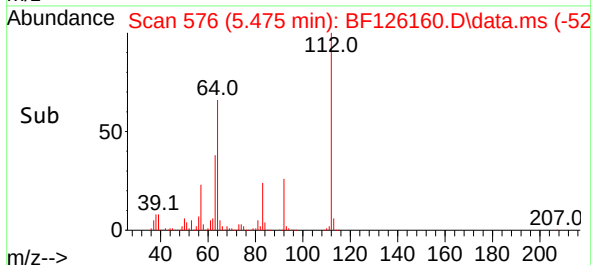
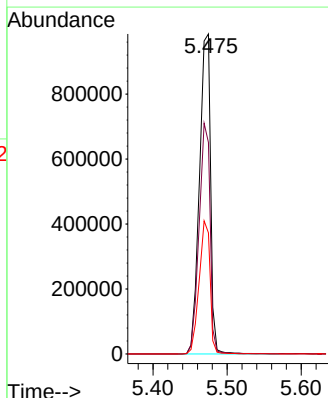
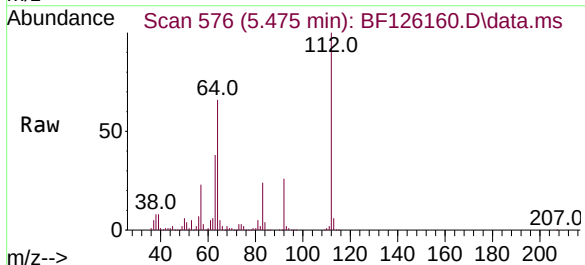
Instrument :
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ClientSampleId :
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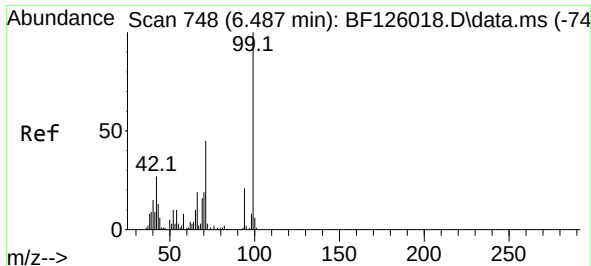
Tgt Ion:152 Resp: 138842
Ion Ratio Lower Upper
152 100
150 152.1 117.6 176.4
115 69.1 47.1 70.7



#5
2-Fluorophenol
Concen: 127.255 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.012 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

Tgt Ion:112 Resp: 1028853
Ion Ratio Lower Upper
112 100
64 66.1 44.2 66.2
63 37.9 26.2 39.2

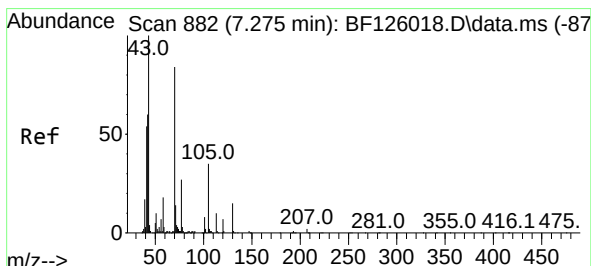
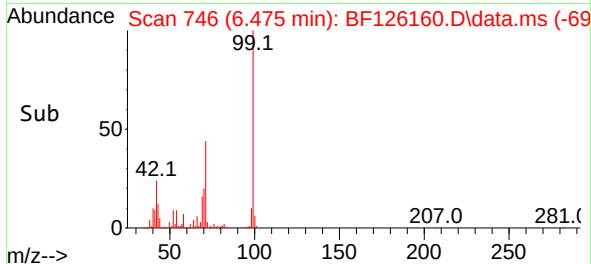
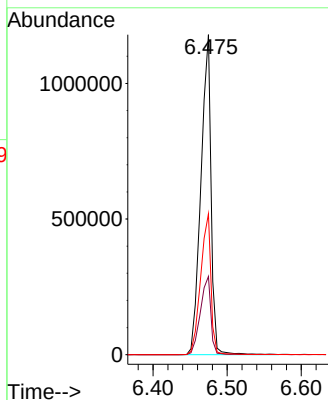
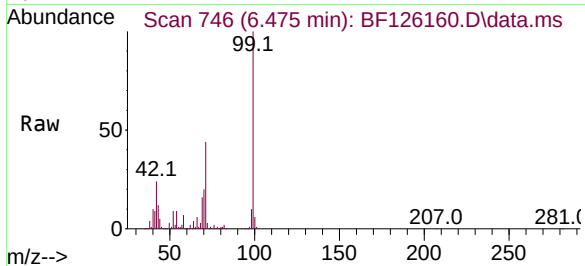




#7
Phenol-d6
Concen: 98.791 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

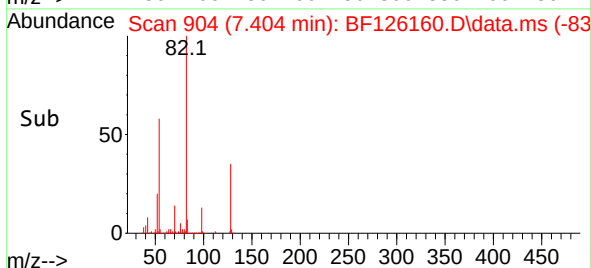
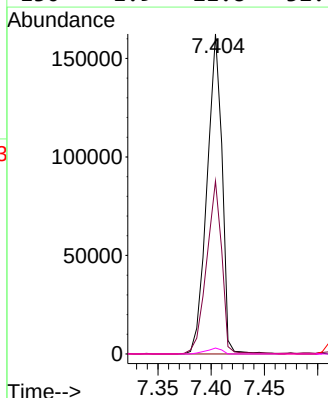
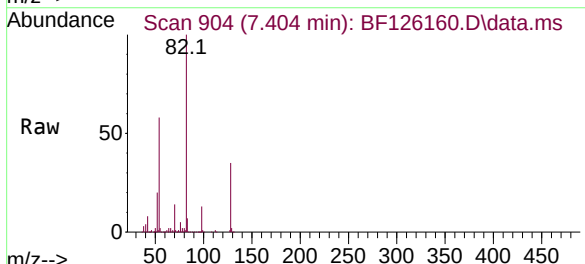
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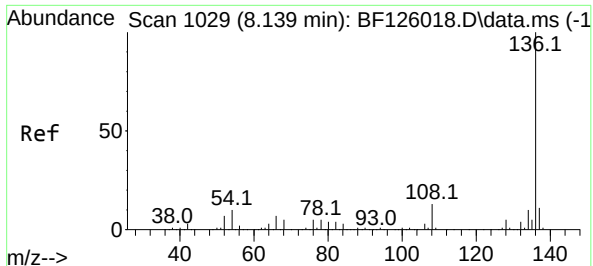
Tgt Ion: 99 Resp: 1125941
Ion Ratio Lower Upper
99 100
42 24.5 23.5 35.3
71 44.0 25.6 38.4#



#19
n-Nitroso-di-n-propylamine
Concen: 21.269 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.129 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

Tgt Ion: 70 Resp: 159809
Ion Ratio Lower Upper
70 100
42 54.0 72.2 108.2#
101 0.0 7.8 11.8#
130 1.9 21.8 32.6#

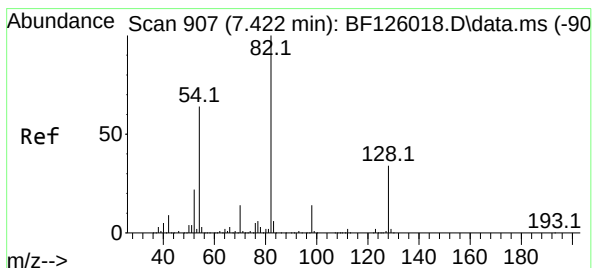
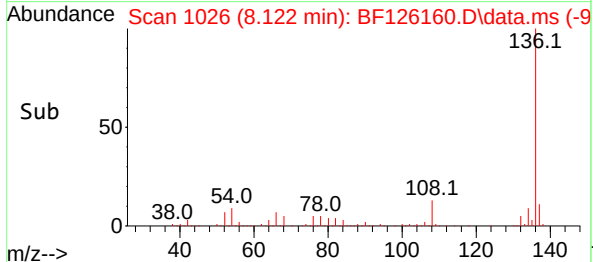
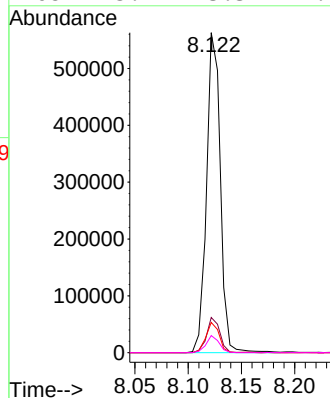
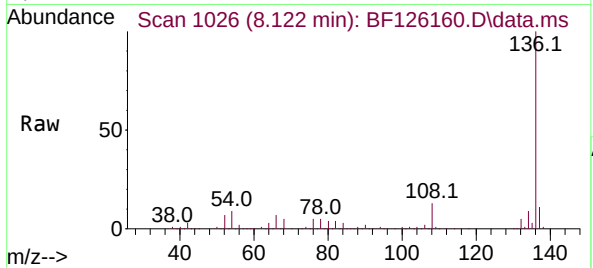




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.017 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

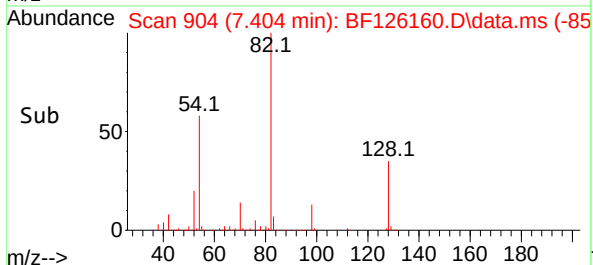
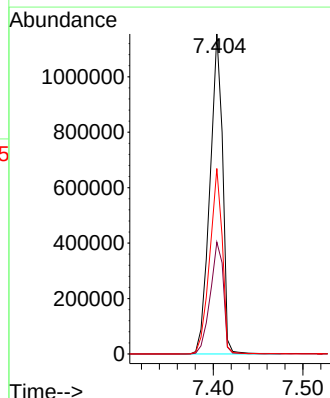
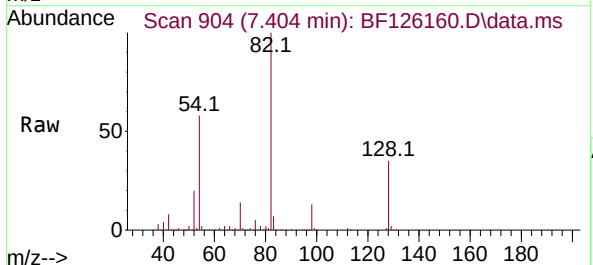
Instrument :
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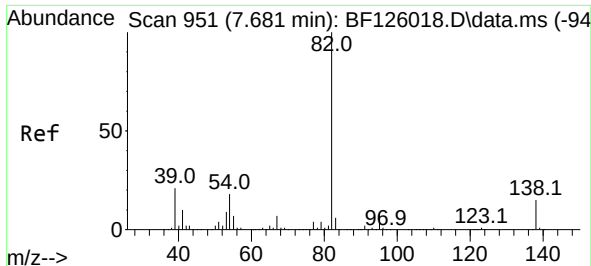
Tgt Ion:	136	Resp:	509701
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.8	14.6
54	9.4	6.4	9.6
68	5.4	3.3	4.9



#23
Nitrobenzene-d5
Concen: 104.945 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.018 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

Tgt Ion:	82	Resp:	1134228
Ion	Ratio	Lower	Upper
82	100		
128	34.9	40.6	60.8
54	57.9	49.6	74.4

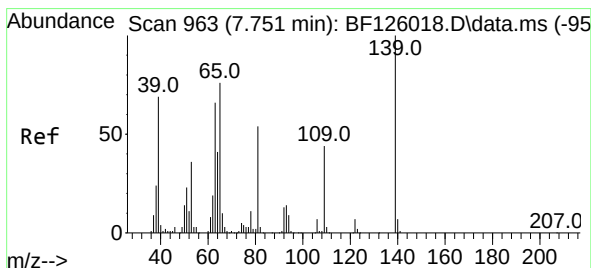
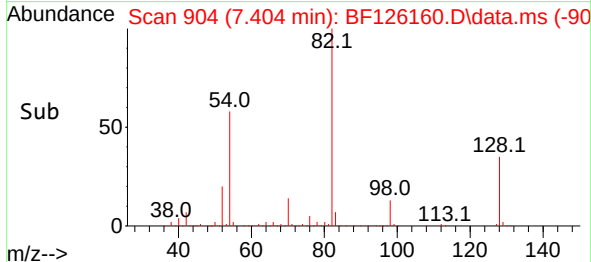
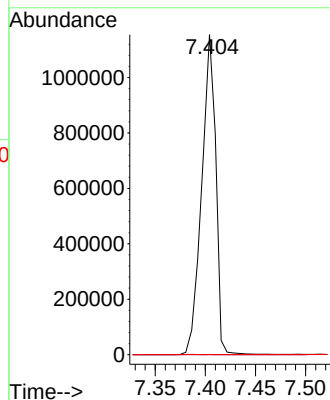
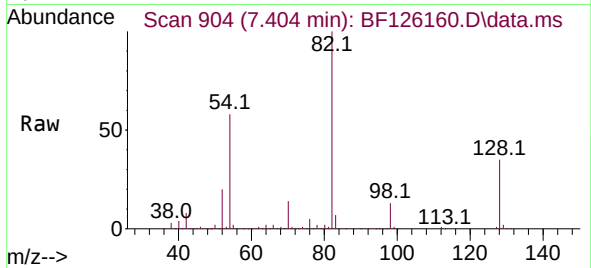




#25
Isophorone
Concen: 58.183 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.277 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

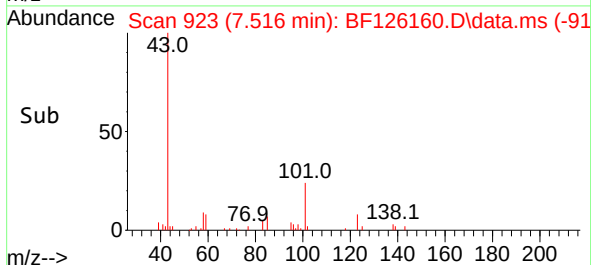
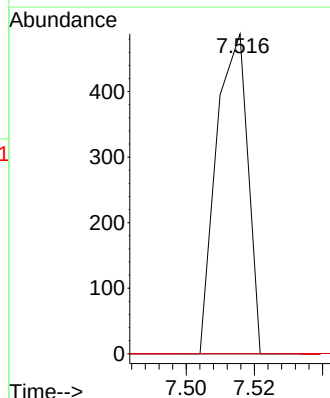
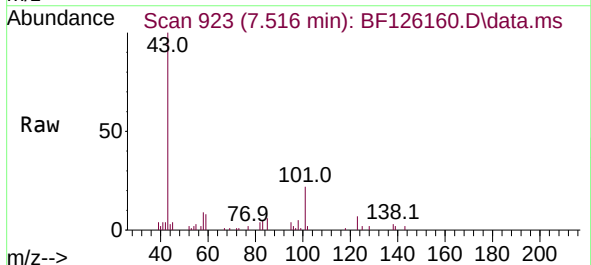
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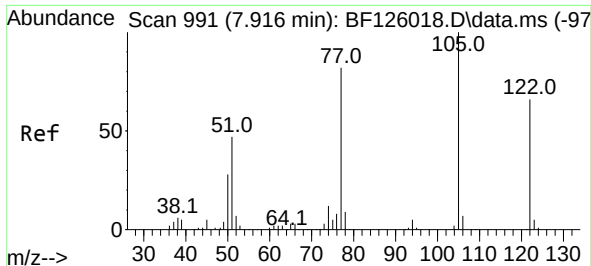
Tgt Ion: 82 Resp: 1132181
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 18.4 27.6#



#26
2-Nitrophenol
Concen: 4.703 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.235 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

Tgt Ion:139 Resp: 312
Ion Ratio Lower Upper
139 100
109 0.0 26.0 39.0#
65 0.0 31.0 46.4#

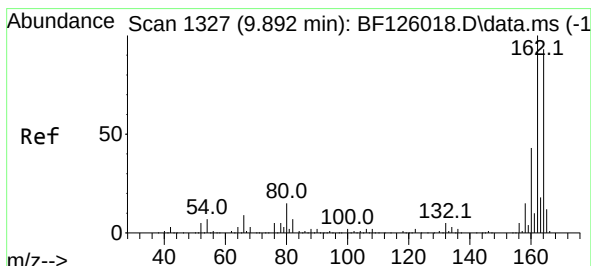
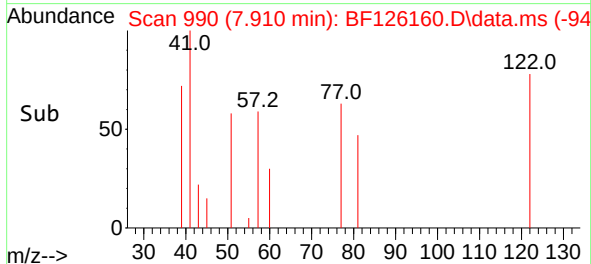
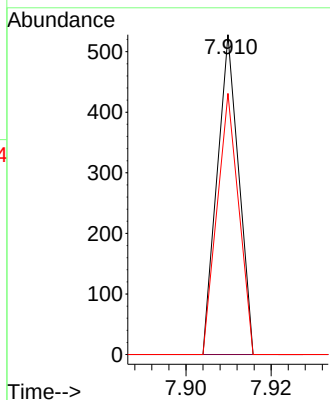
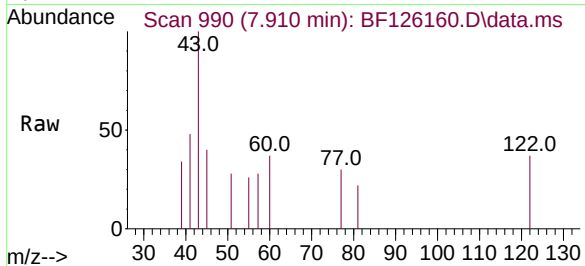




#32
Benzoic acid
Concen: 9.176 ng
RT: 7.910 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

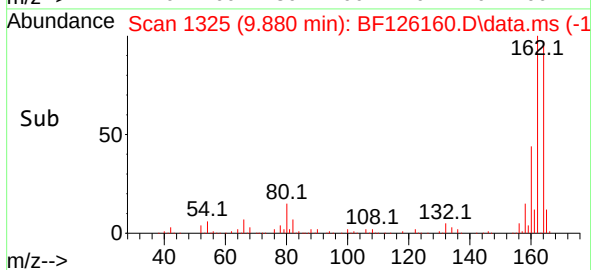
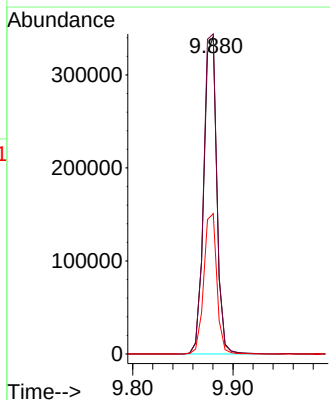
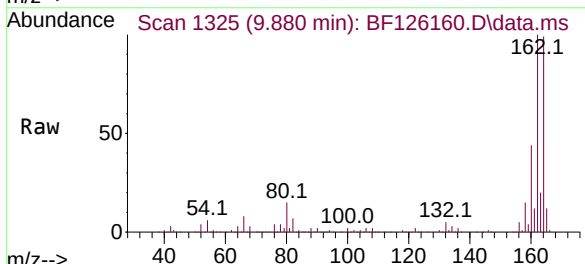
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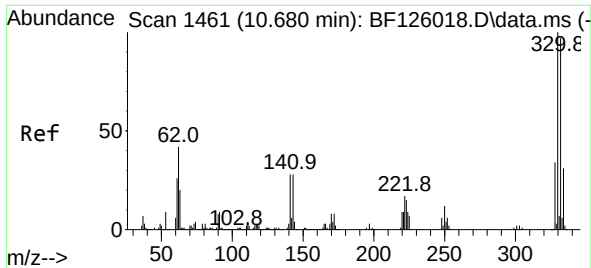
Tgt Ion:	122	Resp:	186
Ion Ratio	Lower	Upper	
122	100		
105	0.0	97.6	137.6#
77	81.6	59.6	99.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

Tgt Ion:	164	Resp:	309079
Ion Ratio	Lower	Upper	
164	100		
162	100.9	81.3	121.9
160	44.3	38.0	57.0





#42

2,4,6-Tribromophenol

Concen: 160.846 ng

RT: 10.669 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF126160.D

Acq: 12 Nov 2021 19:04

Instrument :

BNA_F

ClientSampleId :

ISCO-SOIL-IDW-11082021

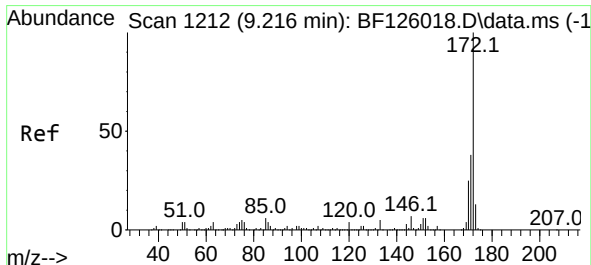
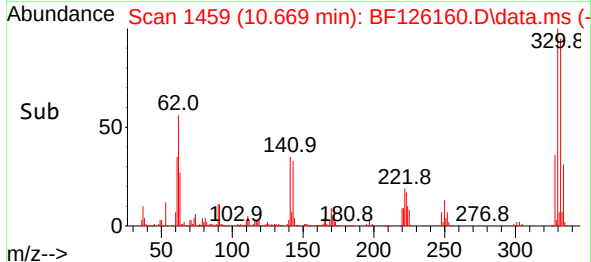
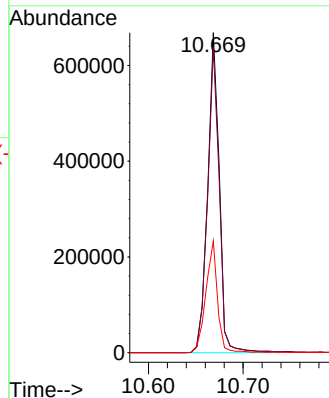
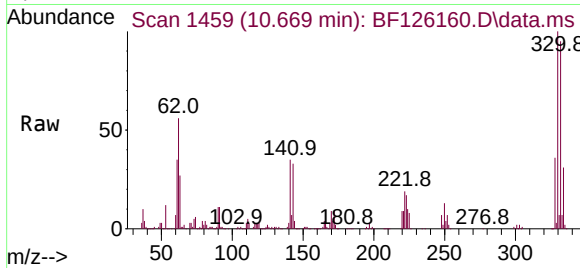
Tgt Ion:330 Resp: 569727

Ion Ratio Lower Upper

330 100

332 96.3 76.2 114.4

141 35.0 44.6 66.8#



#45

2-Fluorobiphenyl

Concen: 93.797 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.012 min

Lab File: BF126160.D

Acq: 12 Nov 2021 19:04

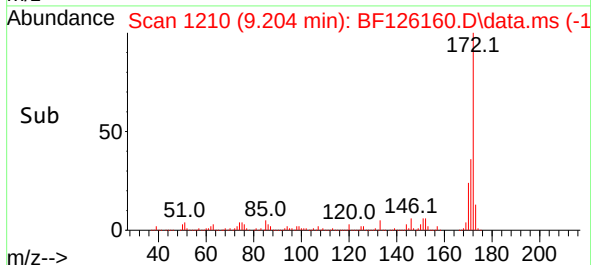
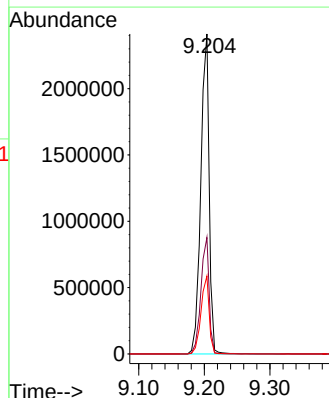
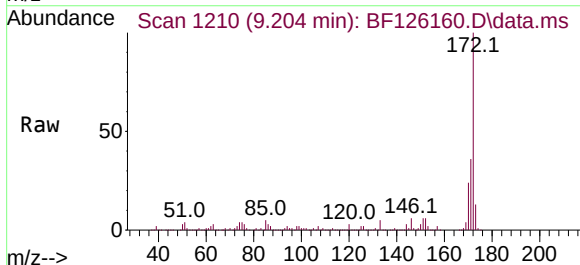
Tgt Ion:172 Resp: 2145297

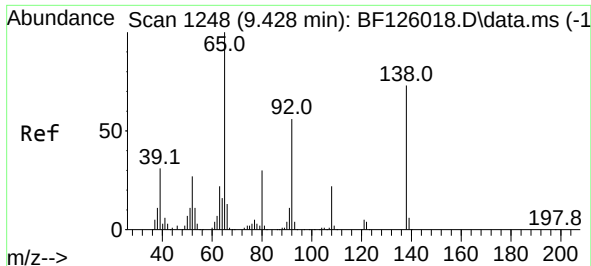
Ion Ratio Lower Upper

172 100

171 36.4 26.5 39.7

170 24.4 18.8 28.2

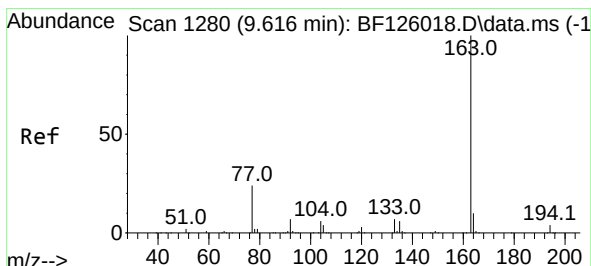
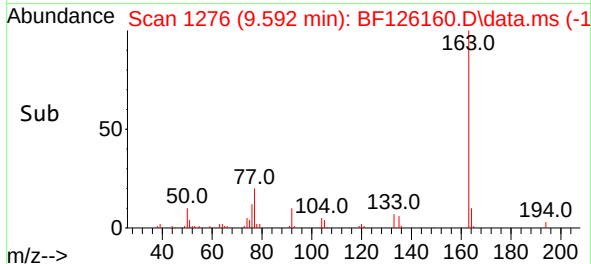
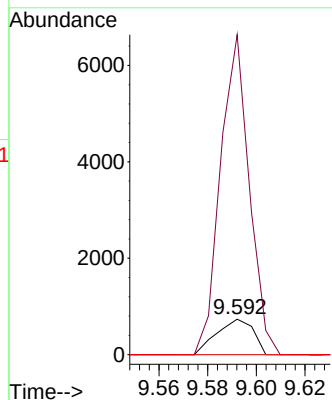
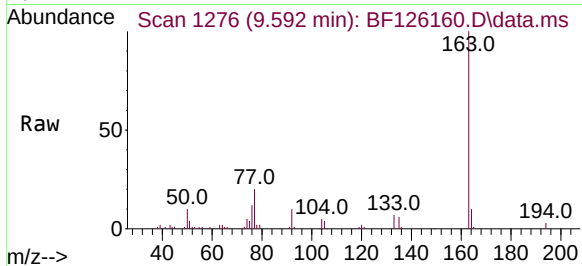




#48
2-Nitroaniline
Concen: 2.967 ng
RT: 9.592 min Scan# 1276
Delta R.T. 0.164 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

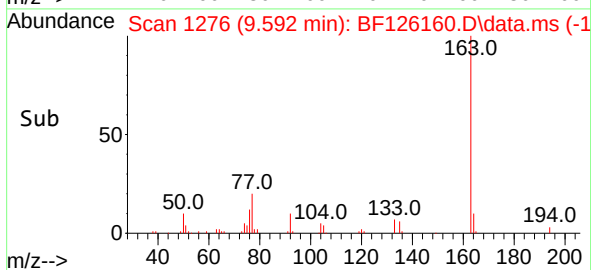
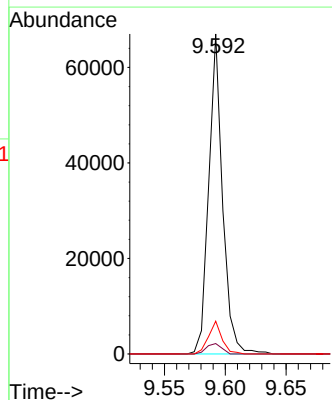
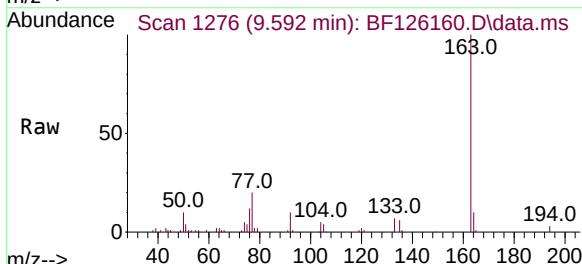
Instrument :
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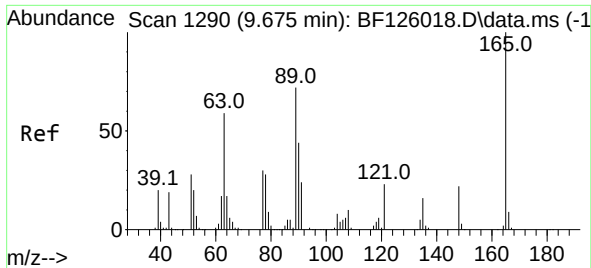
Tgt Ion: 65 Resp: 767
Ion Ratio Lower Upper
65 100
92 901.8 55.5 83.3#
138 0.0 93.5 140.3#



#50
Dimethylphthalate
Concen: 2.349 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.024 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

Tgt Ion: 163 Resp: 52864
Ion Ratio Lower Upper
163 100
194 3.2 2.6 3.8
164 10.2 7.4 11.0

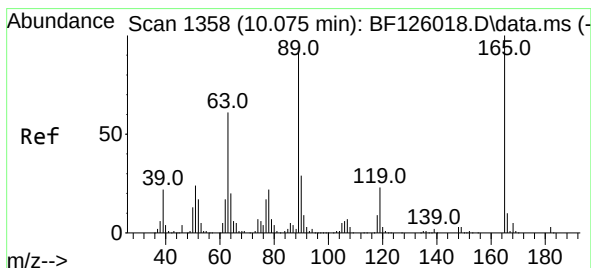
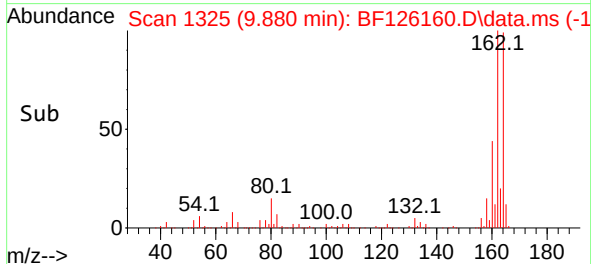
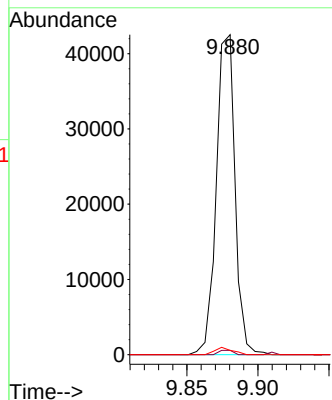
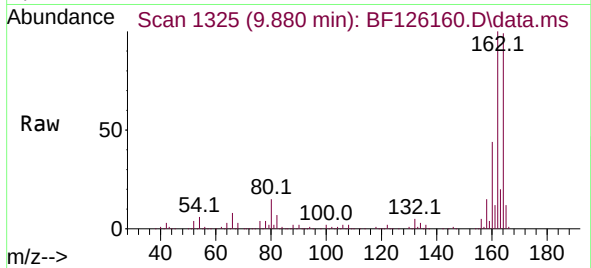




#51
2,6-Dinitrotoluene
Concen: 10.079 ng
RT: 9.880 min Scan# 11
Delta R.T. 0.205 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

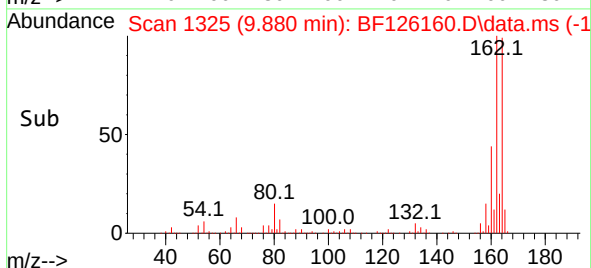
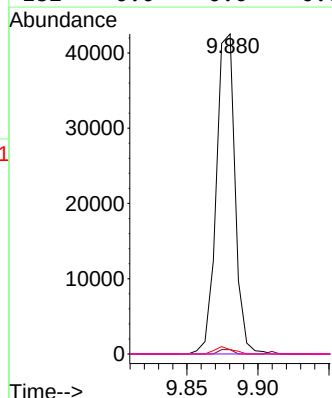
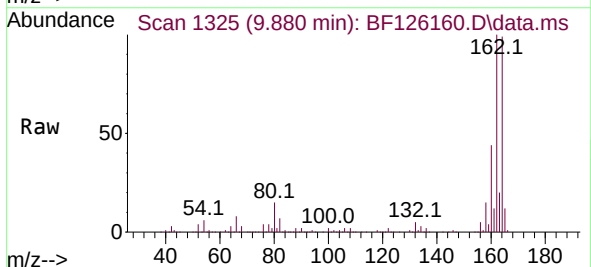
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021

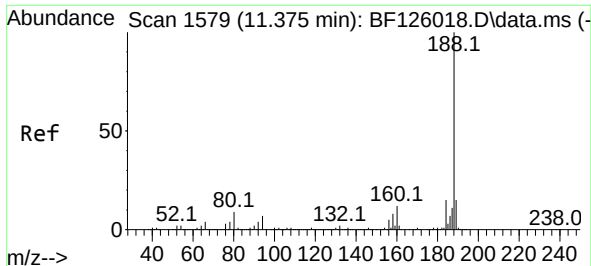
Tgt Ion:165 Resp: 38876
Ion Ratio Lower Upper
165 100
63 1.4 42.6 63.8#
89 1.3 40.6 60.8#



#57
2,4-Dinitrotoluene
Concen: 9.701 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.195 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

Tgt Ion:165 Resp: 38876
Ion Ratio Lower Upper
165 100
63 1.4 40.9 61.3#
89 1.3 59.7 89.5#
182 0.0 0.0 0.0

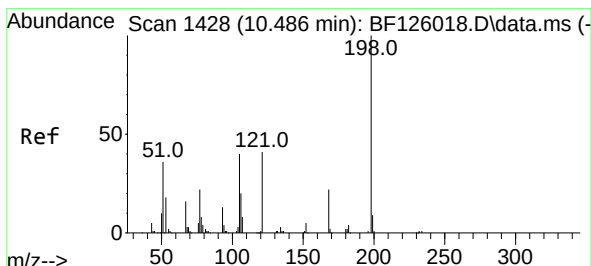
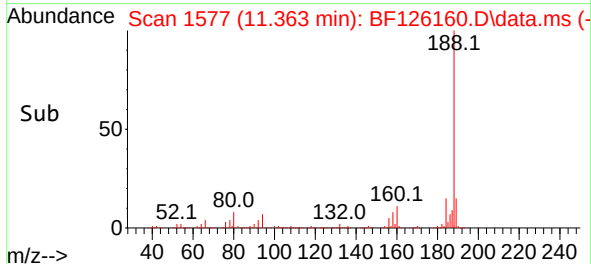
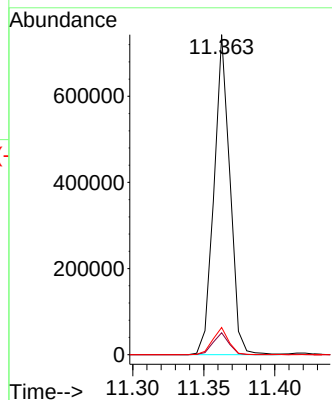
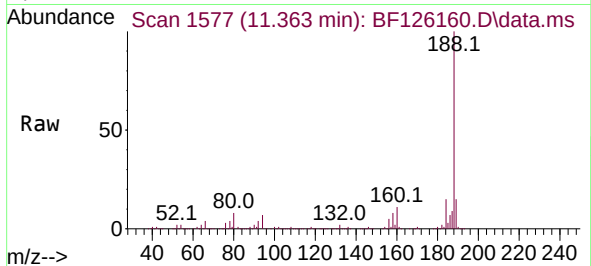




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

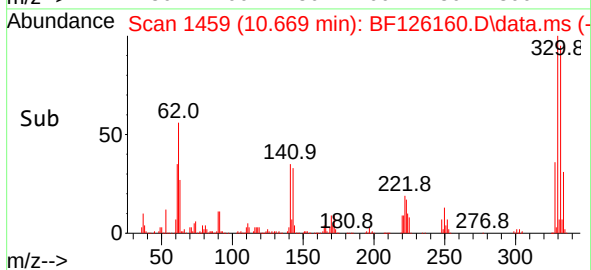
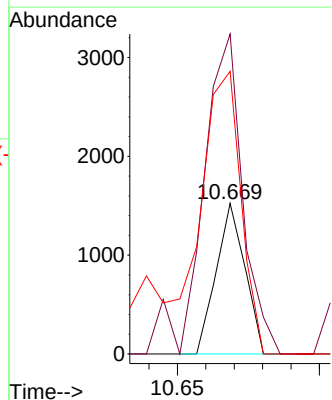
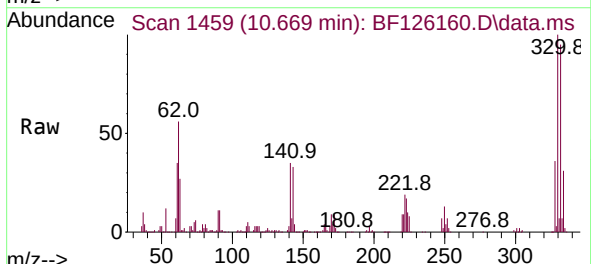
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021

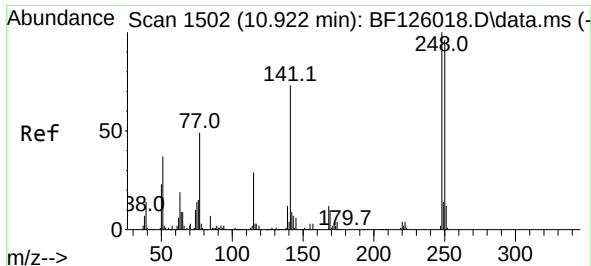
Tgt Ion:188 Resp: 580240
Ion Ratio Lower Upper
188 100
94 6.9 6.7 10.1
80 8.5 7.5 11.3



#65
4,6-Dinitro-2-methylphenol
Concen: 8.632 ng
RT: 10.669 min Scan# 1459
Delta R.T. 0.183 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

Tgt Ion:198 Resp: 1066
Ion Ratio Lower Upper
198 100
51 212.6 45.3 85.3#
105 187.8 30.6 70.6#

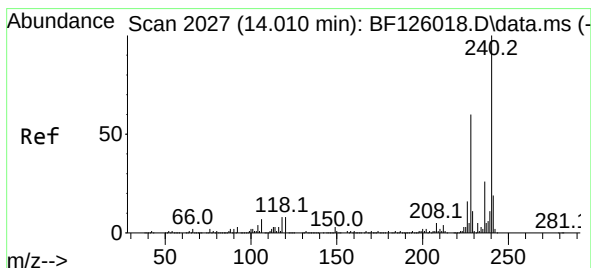
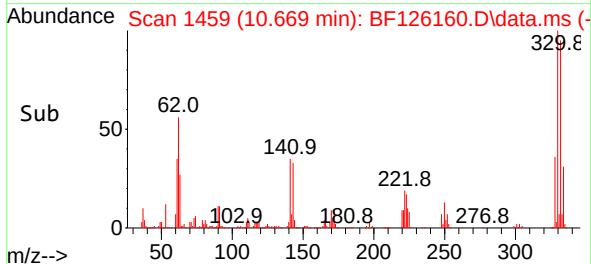
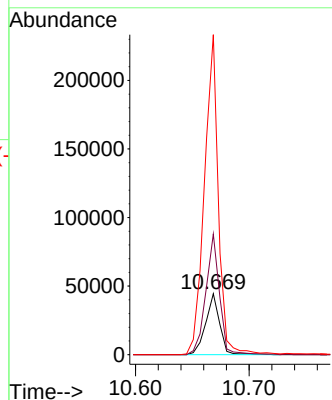
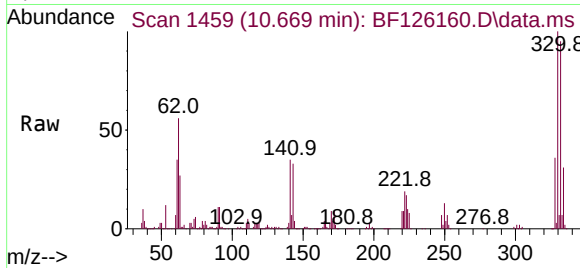




#67
4-Bromophenyl-phenylether
Concen: 5.402 ng
RT: 10.669 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

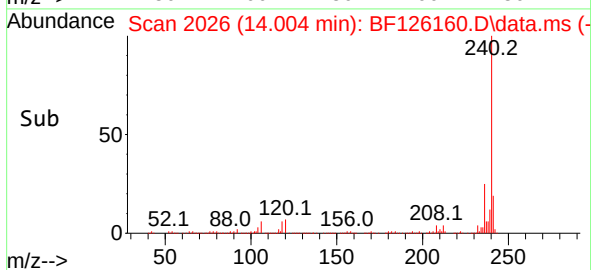
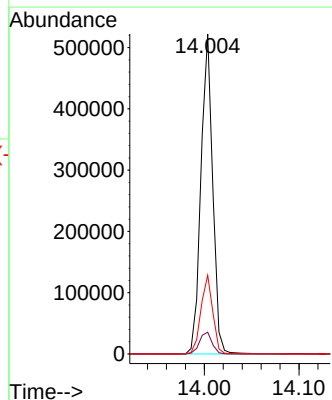
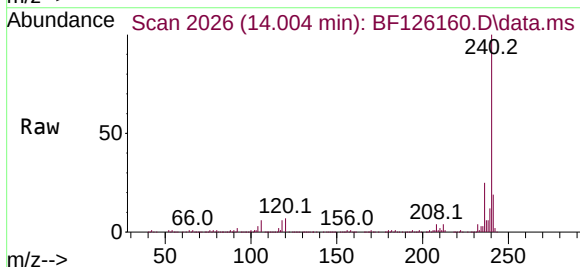
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021

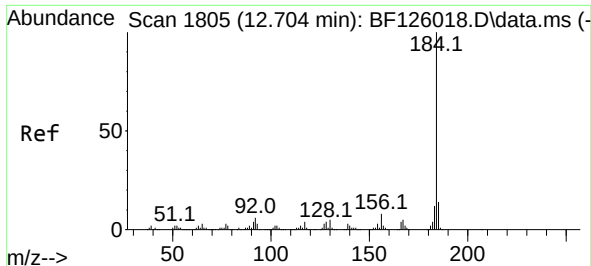
Tgt Ion:248 Resp: 37963
Ion Ratio Lower Upper
248 100
250 198.1 74.2 111.4#
141 525.5 60.4 90.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

Tgt Ion:240 Resp: 452382
Ion Ratio Lower Upper
240 100
120 6.8 10.8 16.2#
236 24.6 21.6 32.4

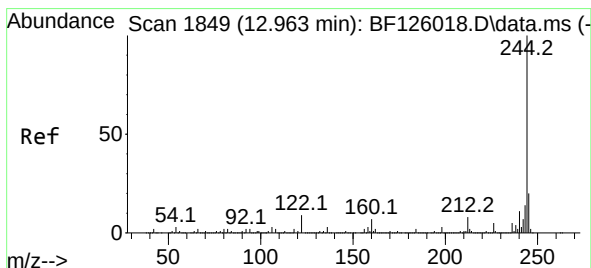
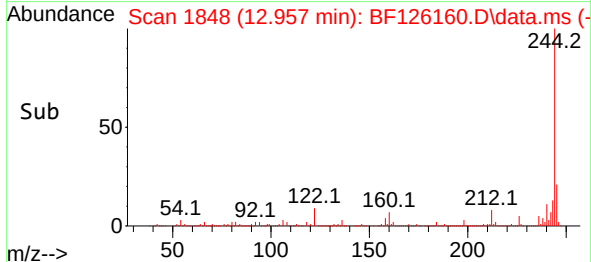
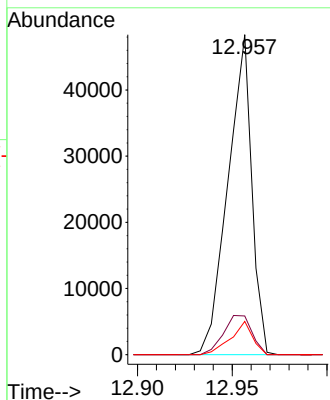
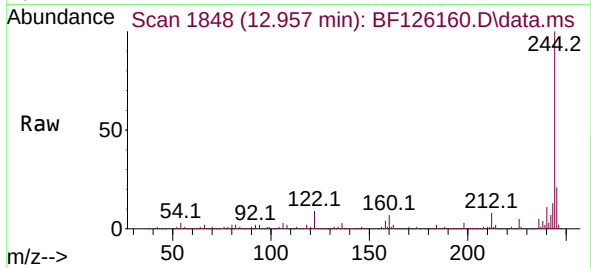




#77
Benzidine
Concen: 2.795 ng
RT: 12.957 min Scan# 1848
Delta R.T. 0.253 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

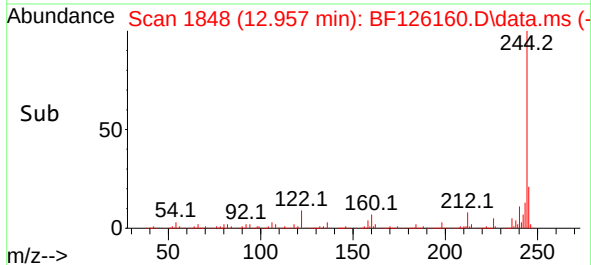
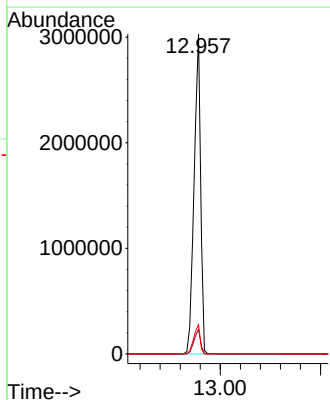
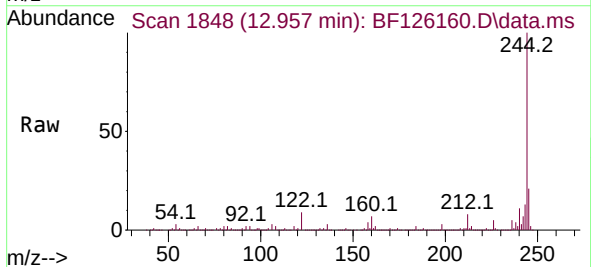
Instrument :
BNA_F
ClientSampleId :
ISCO-SOIL-IDW-11082021

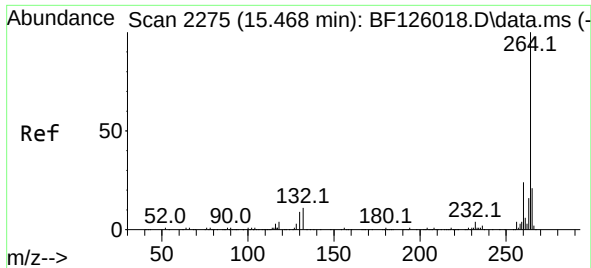
Tgt Ion:184 Resp: 42261
Ion Ratio Lower Upper
184 100
185 12.1 10.8 16.2
183 10.4 8.1 12.1



#79
Terphenyl-d14
Concen: 97.149 ng
RT: 12.957 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BF126160.D
Acq: 12 Nov 2021 19:04

Tgt Ion:244 Resp: 2725419
Ion Ratio Lower Upper
244 100
212 7.7 5.9 8.9
122 9.1 9.0 13.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.468 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF126160.D
 Acq: 12 Nov 2021 19:04

Instrument :
 BNA_F
 ClientSampleId :
 ISCO-SOIL-IDW-11082021

Tgt Ion:264 Resp: 345089
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.6 29.4
 265 20.5 17.2 25.8

