

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021921\
 Data File : BF123236.D
 Acq On : 19 Feb 2021 20:40
 Operator : JU/CG
 Sample : M1434-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAND-SOIL-PILE

Quant Time: Feb 19 23:09:26 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 19 16:08:53 2021
 Response via : Initial Calibration

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

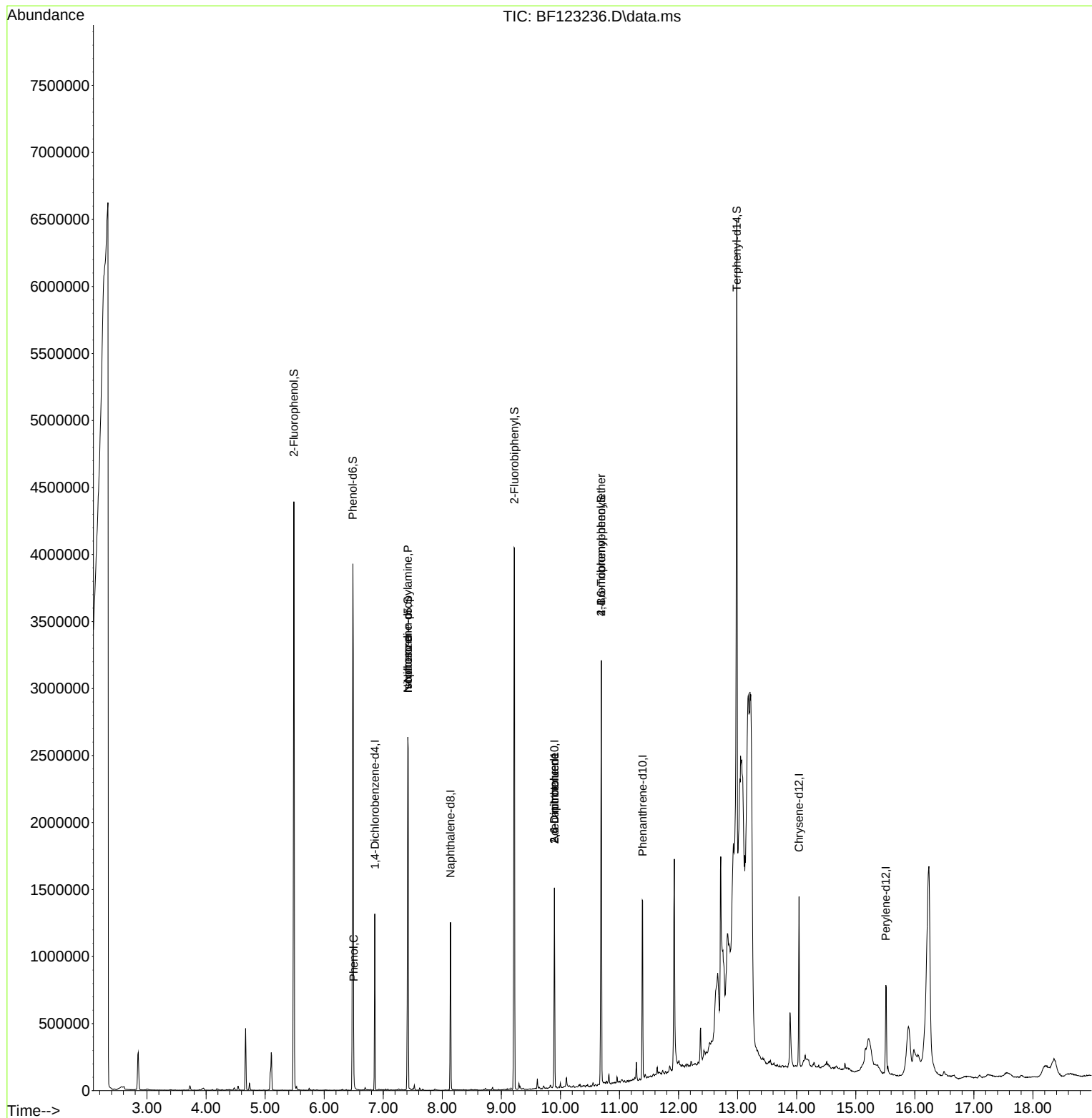
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	156898	20.00	ng	0.00
21) Naphthalene-d8	8.139	136	509001	20.00	ng	# 0.00
39) Acenaphthene-d10	9.898	164	266238	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	502951	20.00	ng	0.00
76) Chrysene-d12	14.039	240	371018	20.00	ng	0.00
86) Perylene-d12	15.509	264	294552	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1159500	106.37	ng	0.01
7) Phenol-d6	6.486	99	1472926	99.46	ng	0.00
23) Nitrobenzene-d5	7.416	82	976932	87.86	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	343926	126.86	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1387465	74.86	ng	0.00
79) Terphenyl-d14	12.986	244	1529929	79.29	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.410	77	107	Below Cal	#	74
10) Phenol	6.498	94	36364	2.25	ng	97
19) n-Nitroso-di-n-propyla...	7.416	70	132679	15.06	ng	# 81
25) Isophorone	7.416	82	974192	46.85	ng	# 65
51) 2,6-Dinitrotoluene	9.898	165	35316	7.70	ng	# 32
57) 2,4-Dinitrotoluene	9.898	165	35316	5.72	ng	# 26
67) 4-Bromophenyl-phenylether	10.692	248	24995	4.56	ng	# 1

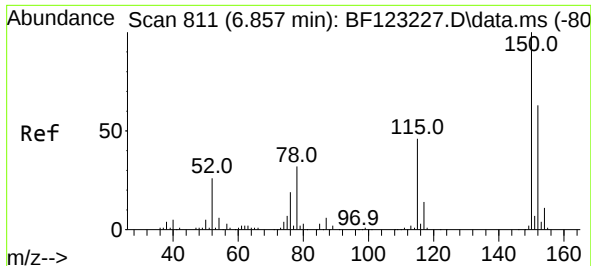
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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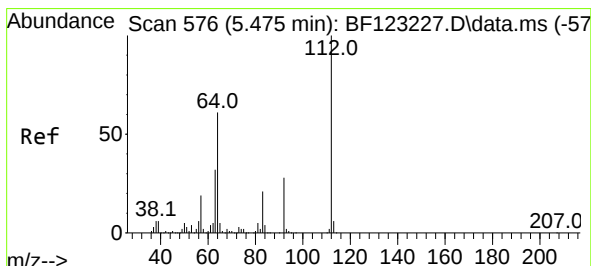
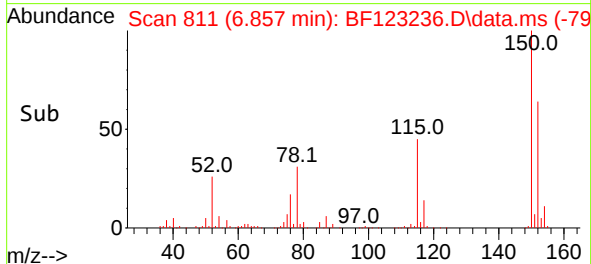
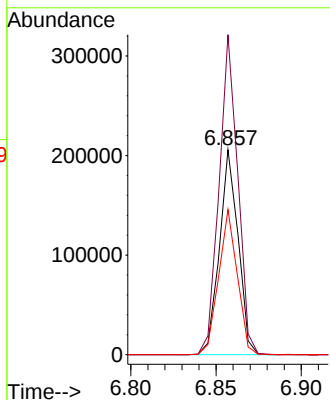
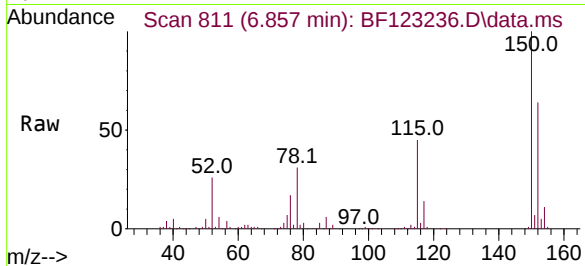




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

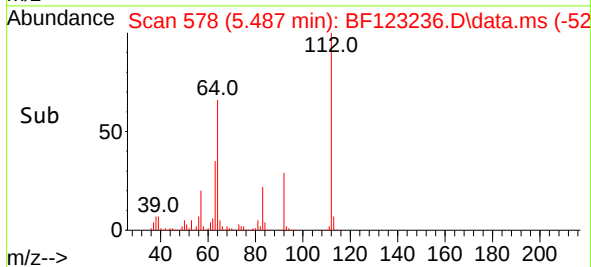
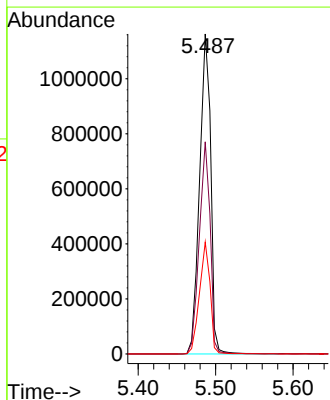
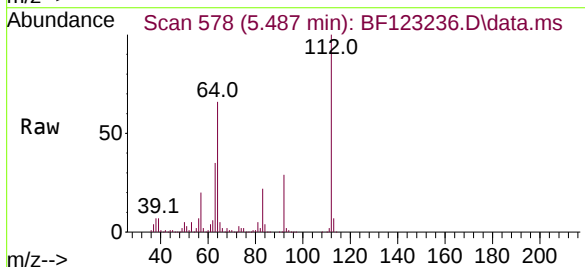
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILE

Tgt Ion:152 Resp: 156898
Ion Ratio Lower Upper
152 100
150 156.1 125.8 188.6
115 70.8 49.3 73.9



#5
2-Fluorophenol
Concen: 106.37 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.012 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

Tgt Ion:112 Resp: 1159500
Ion Ratio Lower Upper
112 100
64 66.3 46.9 70.3
63 35.0 24.5 36.7



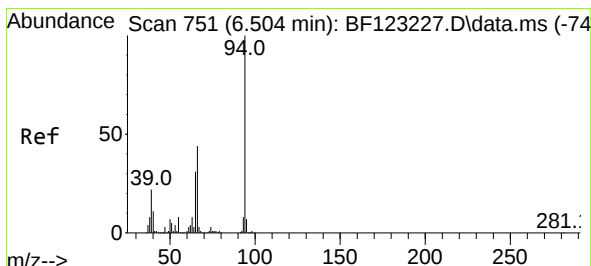
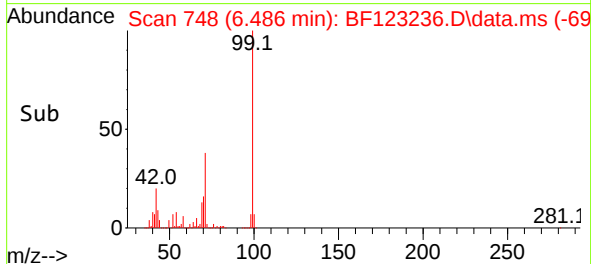
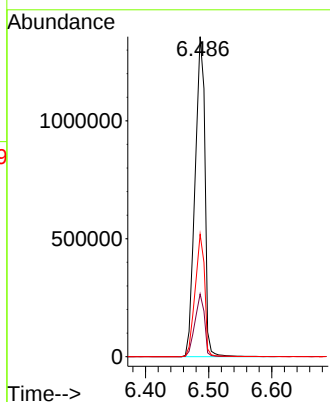
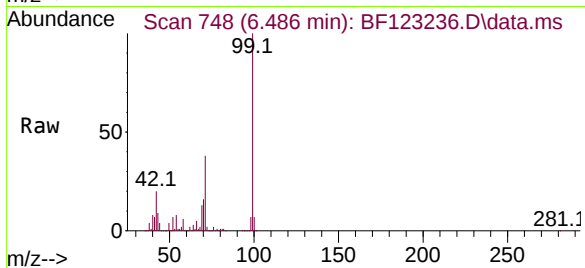


#7
Phenol-d6
Concen: 99.46 ng
RT: 6.486 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILE

Tgt Ion: 99 Resp: 1472926

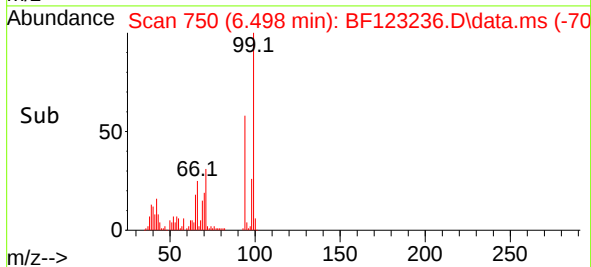
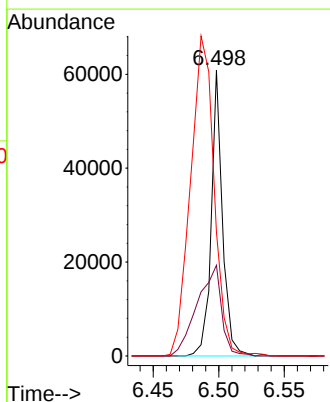
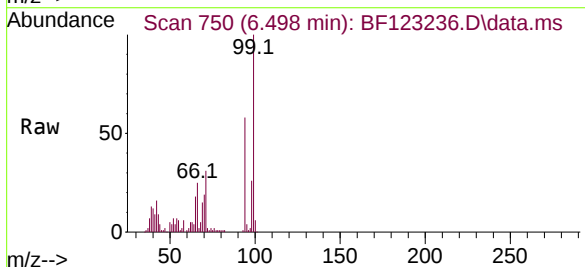
Ion	Ratio	Lower	Upper
99	100		
42	19.6	13.8	20.6
71	38.3	26.9	40.3

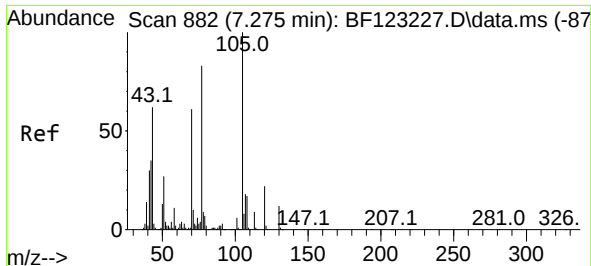


#10
Phenol
Concen: 2.25 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.006 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

Tgt Ion: 94 Resp: 36364

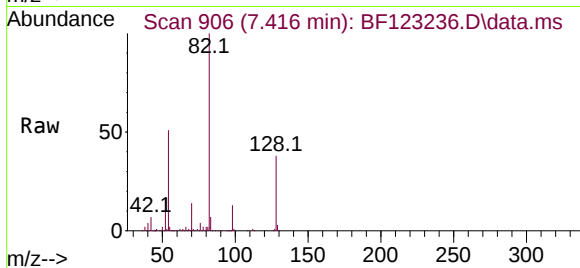
Ion	Ratio	Lower	Upper
94	100		
65	31.7	11.2	51.2
66	43.3	25.8	65.8



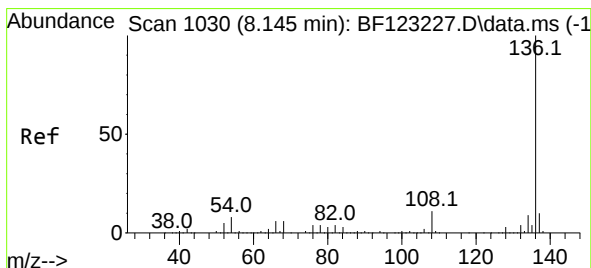
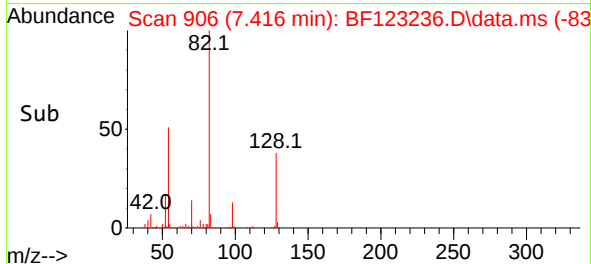
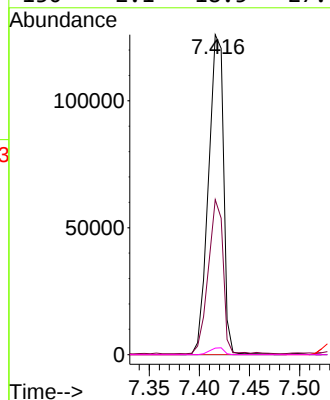


#19
n-Nitroso-di-n-propylamine
Concen: 15.06 ng
RT: 7.416 min Scan# 906
Delta R.T. 0.141 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILE

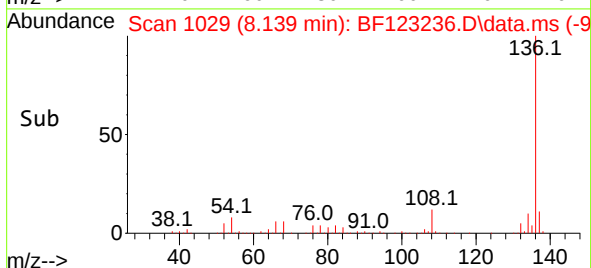
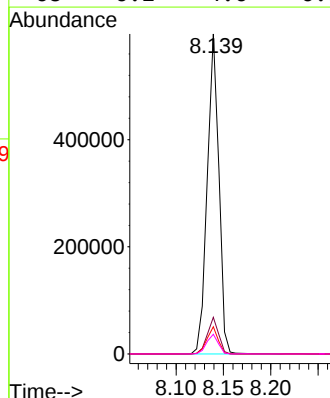
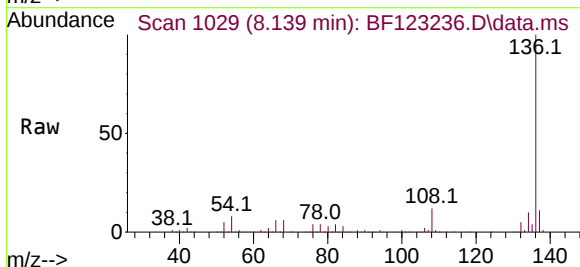


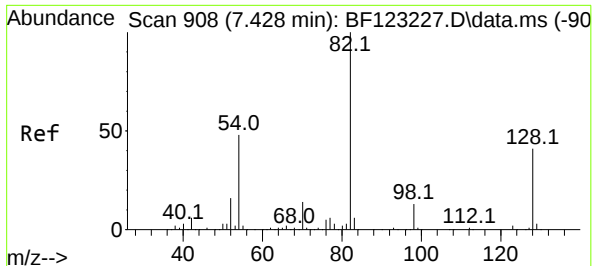
Tgt Ion: 70	Resp: 132679
Ion Ratio	Lower Upper
70 100	
42 48.5	43.0 64.4
101 0.0	7.9 11.9#
130 2.1	18.5 27.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

Tgt	Ion:136	Resp:	509001
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.8	13.2
54	8.5	5.5	8.3#
68	6.2	4.6	6.8





#23

Nitrobenzene-d5

Concen: 87.86 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.012 min

Lab File: BF123236.D

Acq: 19 Feb 2021 20:40

Tgt Ion: 82 Resp: 976932

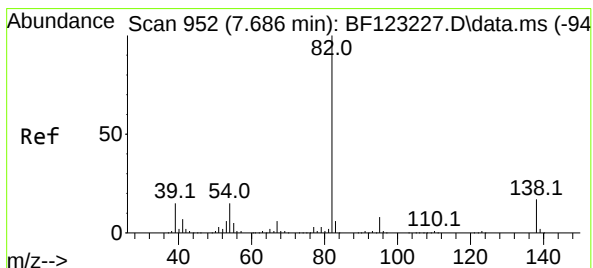
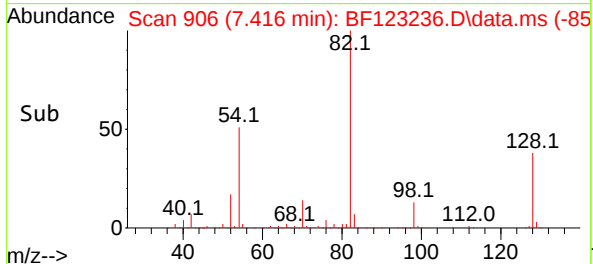
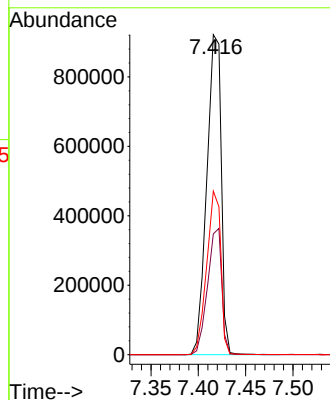
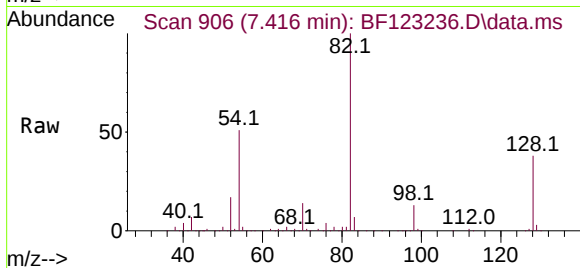
Ion	Ratio	Lower	Upper
82	100		
128	37.8	37.0	55.4
54	51.1	38.4	57.6

Instrument :

BNA_F

ClientSampleId :

SAND-SOIL-PILE



#25

Isophorone

Concen: 46.85 ng

RT: 7.416 min Scan# 906

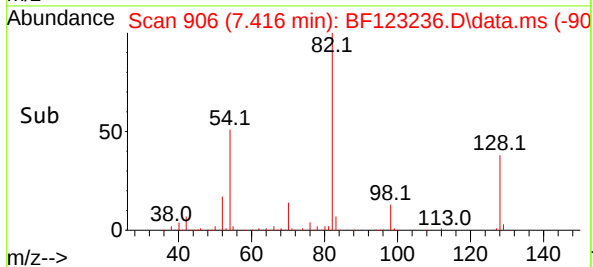
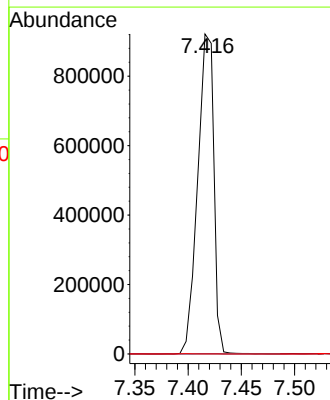
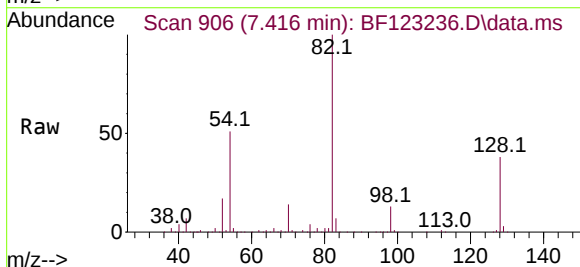
Delta R.T. -0.271 min

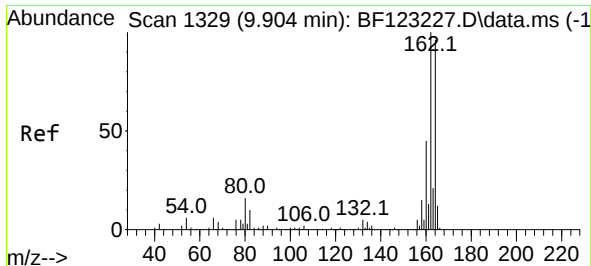
Lab File: BF123236.D

Acq: 19 Feb 2021 20:40

Tgt Ion: 82 Resp: 974192

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.6	21.8#

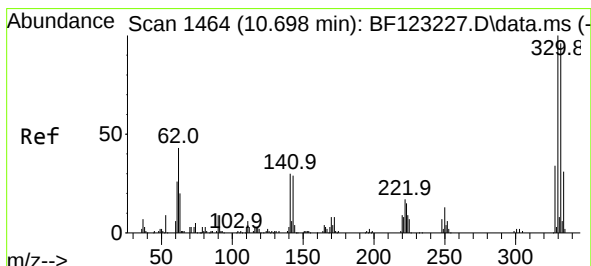
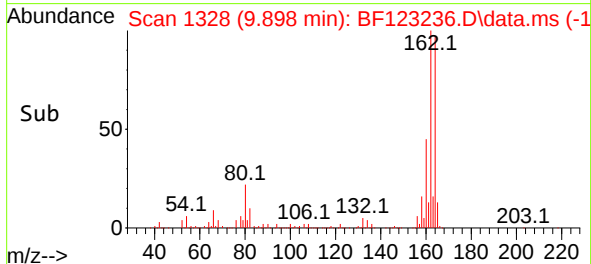
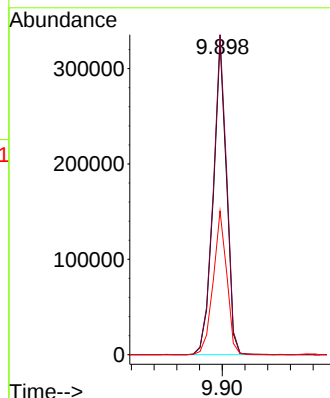
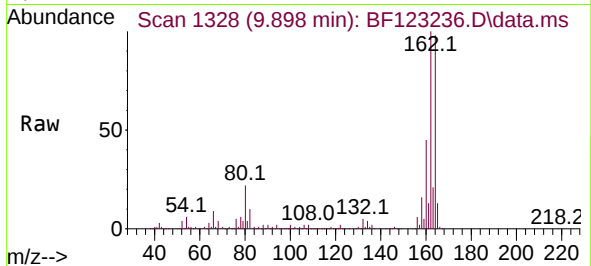




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

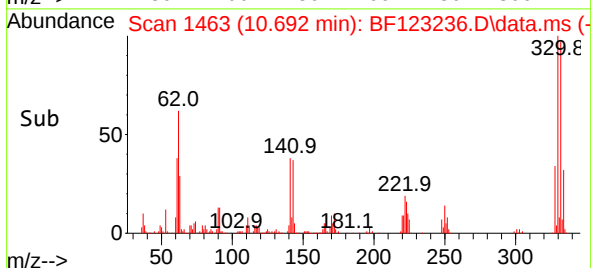
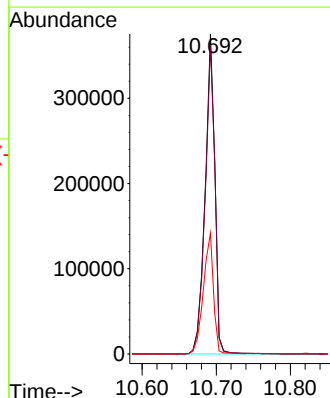
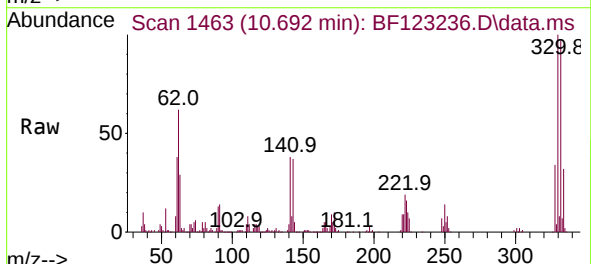
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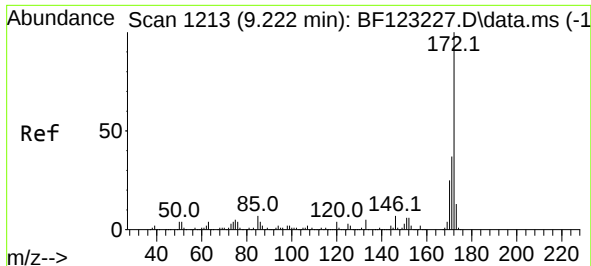
Tgt Ion:164 Resp: 266238
Ion Ratio Lower Upper
164 100
162 102.2 80.8 121.2
160 45.9 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 126.86 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

Tgt Ion:330 Resp: 343926
Ion Ratio Lower Upper
330 100
332 97.1 77.5 116.3
141 39.4 23.8 35.8#

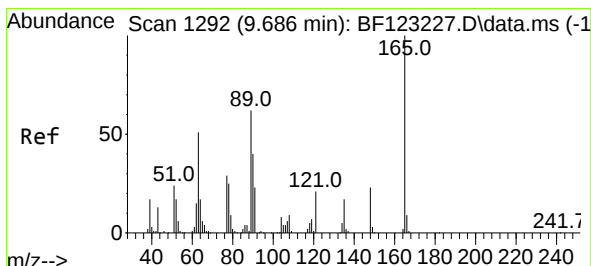
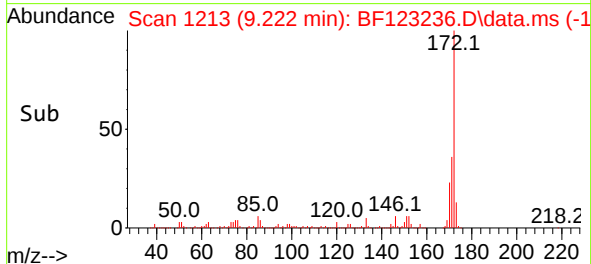
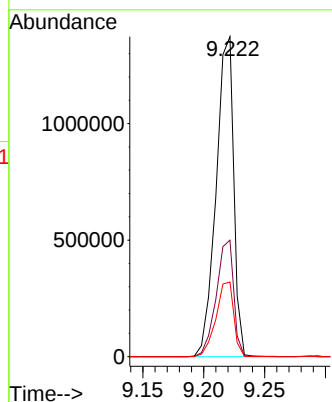
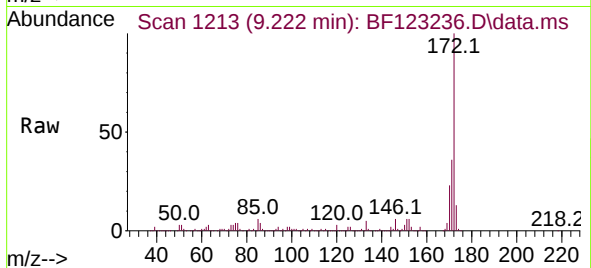




#45
2-Fluorobiphenyl
Concen: 74.86 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.000 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

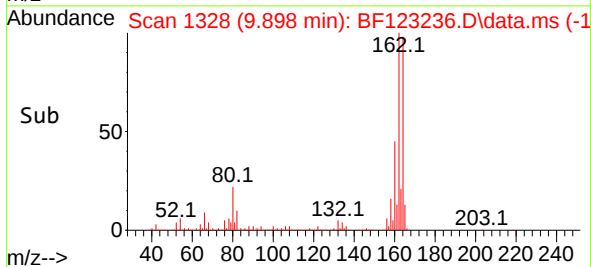
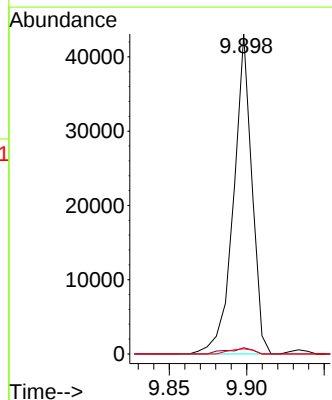
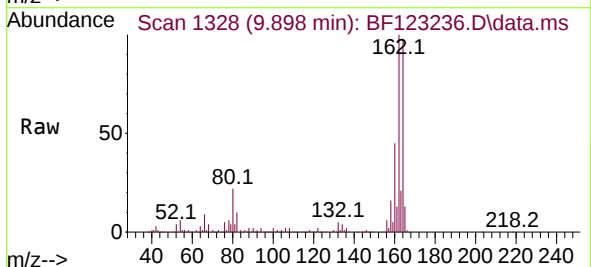
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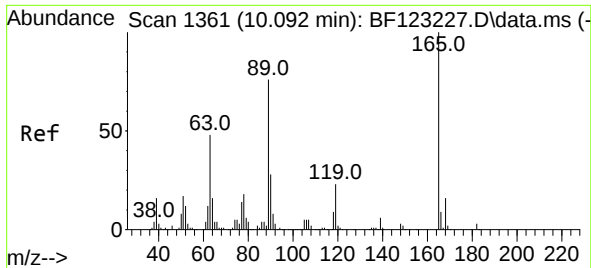
Tgt Ion:172 Resp: 1387465
Ion Ratio Lower Upper
172 100
171 36.4 29.6 44.4
170 23.3 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 7.70 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.212 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

Tgt Ion:165 Resp: 35316
Ion Ratio Lower Upper
165 100
63 2.0 36.6 55.0#
89 1.6 39.4 59.0#

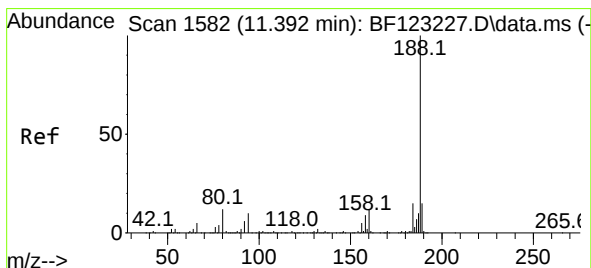
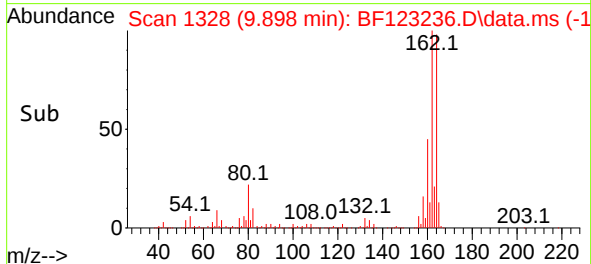
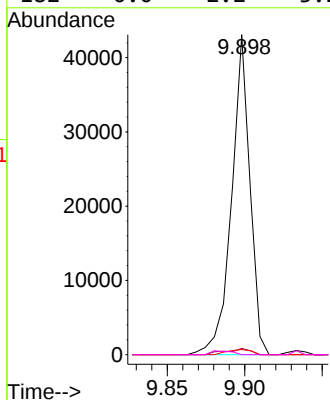
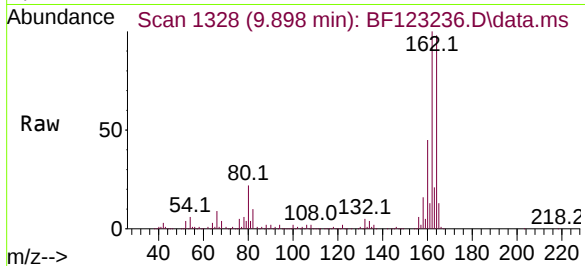




#57
2,4-Dinitrotoluene
Concen: 5.72 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

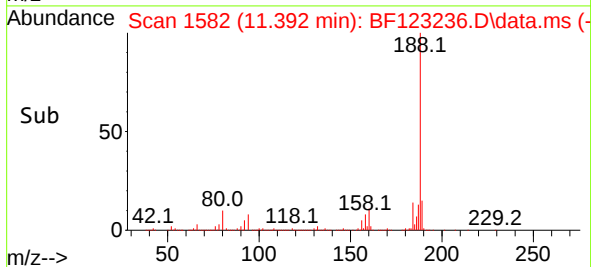
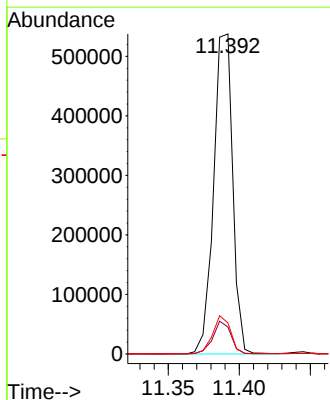
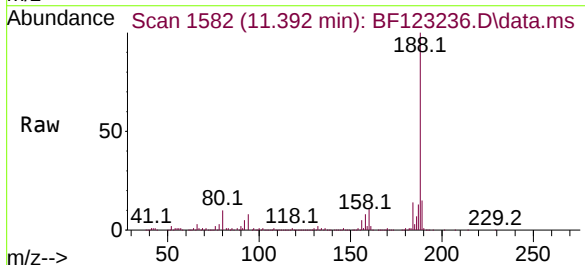
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILE

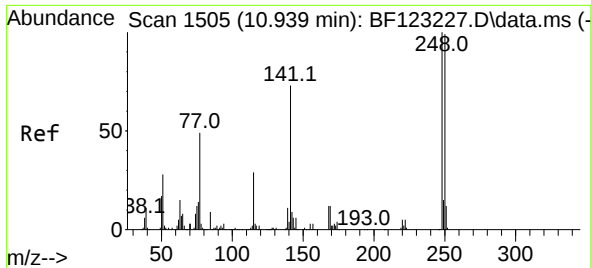
Tgt Ion:165 Resp: 35316
Ion Ratio Lower Upper
165 100
63 2.0 34.3 51.5#
89 1.6 55.2 82.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

Tgt Ion:188 Resp: 502951
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.2
80 9.7 8.2 12.4

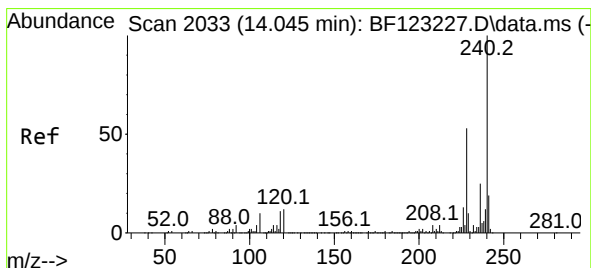
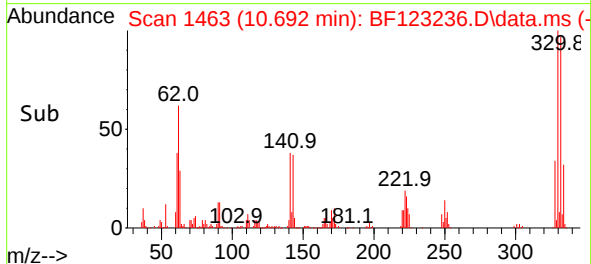
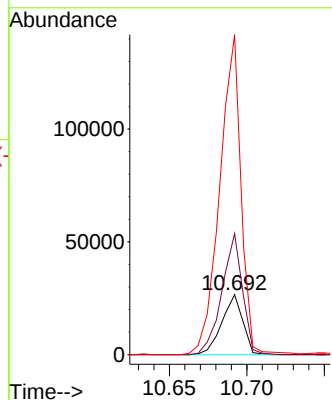
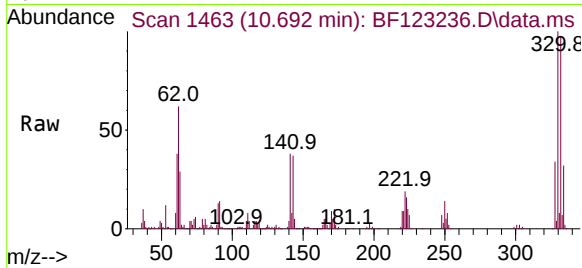




#67
4-Bromophenyl-phenylether
Concen: 4.56 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

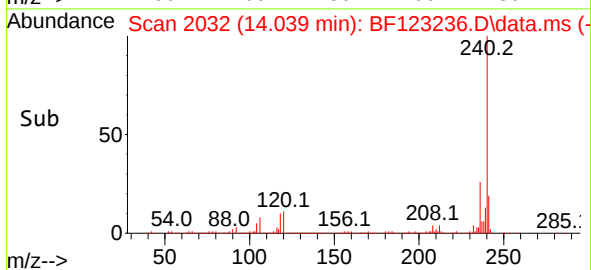
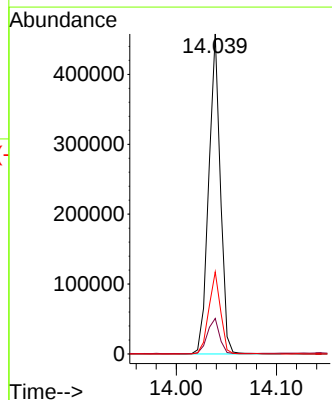
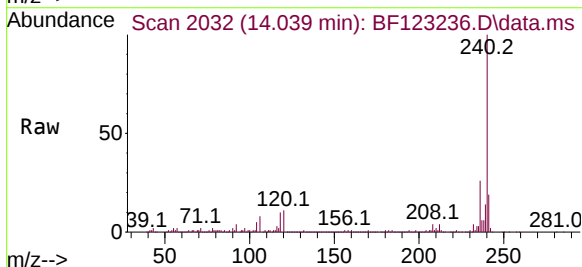
Instrument :
BNA_F
ClientSampleId :
SAND-SOIL-PILE

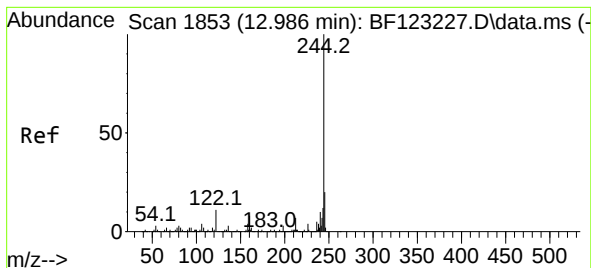
Tgt Ion:248 Resp: 24995
Ion Ratio Lower Upper
248 100
250 201.6 76.8 115.2#
141 532.6 59.8 89.8#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF123236.D
Acq: 19 Feb 2021 20:40

Tgt Ion:240 Resp: 371018
Ion Ratio Lower Upper
240 100
120 11.1 8.6 12.8
236 25.7 20.3 30.5





#79

Terphenyl-d14

Concen: 79.29 ng

RT: 12.986 min Scan# 1853

Delta R.T. -0.000 min

Lab File: BF123236.D

Acq: 19 Feb 2021 20:40

Instrument :

BNA_F

ClientSampleId :

SAND-SOIL-PILE

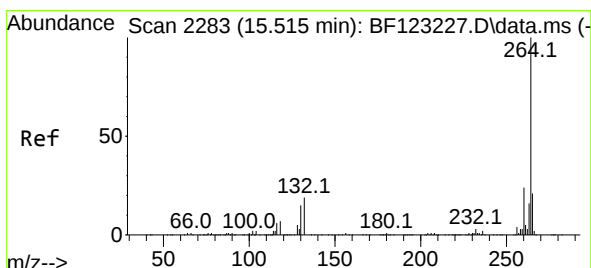
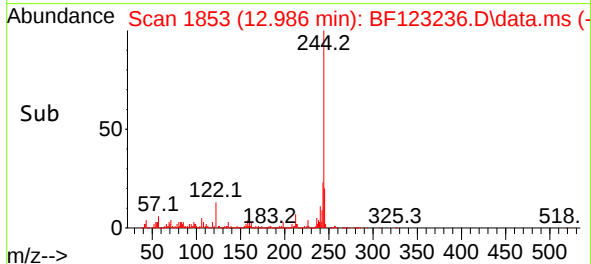
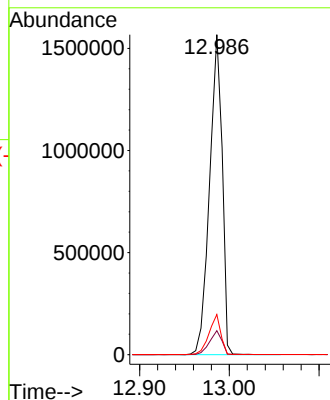
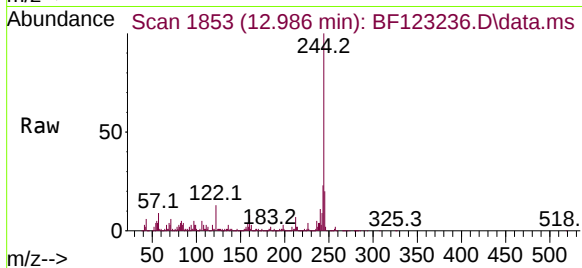
Tgt Ion:244 Resp: 1529929

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 12.5 8.3 12.5#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.509 min Scan# 2282

Delta R.T. -0.006 min

Lab File: BF123236.D

Acq: 19 Feb 2021 20:40

Tgt Ion:264 Resp: 294552

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 21.4 17.0 25.6

