

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051921\
 Data File : BF123997.D
 Acq On : 19 May 2021 18:56
 Operator : JU/CG
 Sample : M2449-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOP-SOIL-COMPOSITE-PILE-3

Quant Time: May 20 02:26:37 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 14 19:05:57 2021
 Response via : Initial Calibration

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

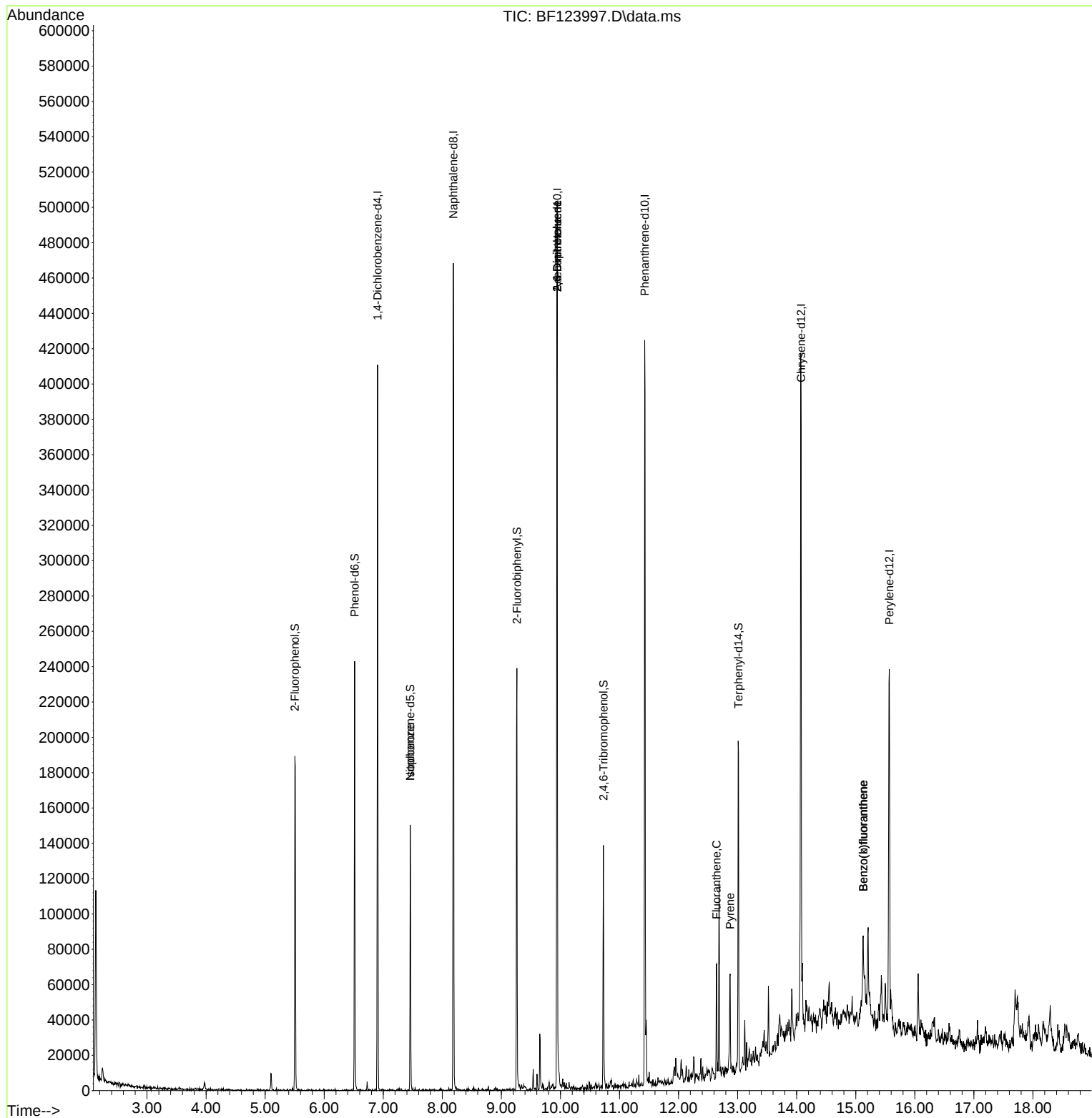
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	45123	20.00	ng	0.00
21) Naphthalene-d8	8.186	136	172008	20.00	ng	0.00
39) Acenaphthene-d10	9.945	164	93882	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	142415	20.00	ng	# 0.00
76) Chrysene-d12	14.074	240	114382	20.00	ng	# 0.00
86) Perylene-d12	15.568	264	86801	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	42755	13.30	ng	0.00
7) Phenol-d6	6.516	99	51746	12.41	ng	0.00
23) Nitrobenzene-d5	7.457	82	38381	9.61	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	13157	11.67	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	66606	8.73	ng	0.00
79) Terphenyl-d14	13.015	244	50986	6.75	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.457	82	38380	5.00	ng	# 69
51) 2,6-Dinitrotoluene	9.945	165	11709	7.72	ng	# 16
57) 2,4-Dinitrotoluene	9.945	165	11709	6.30	ng	# 21
75) Fluoranthene	12.645	202	23544	2.52	ng	97
78) Pyrene	12.874	202	22659	2.23	ng	95
88) Benzo(b)fluoranthene	15.127	252	17483	2.60	ng	# 88
89) Benzo(k)fluoranthene	15.127	252	17483	2.86	ng	# 88

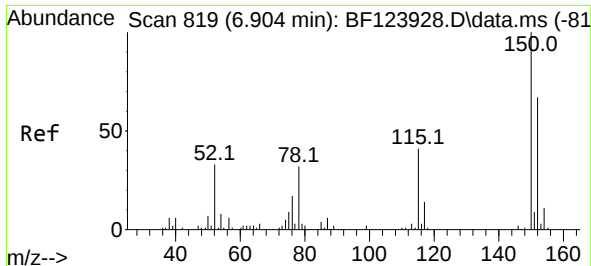
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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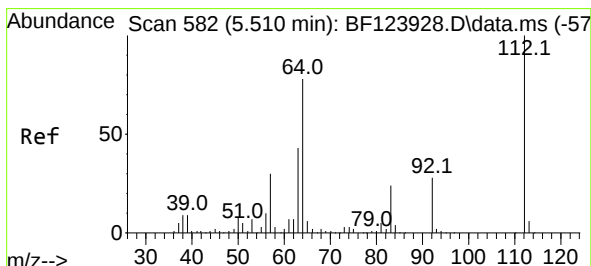
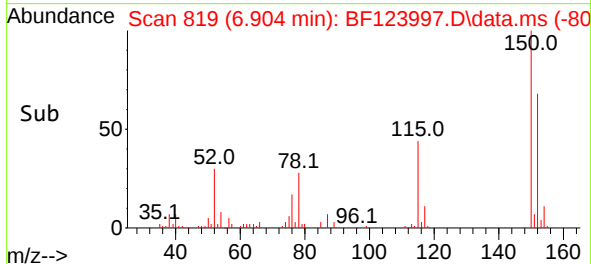
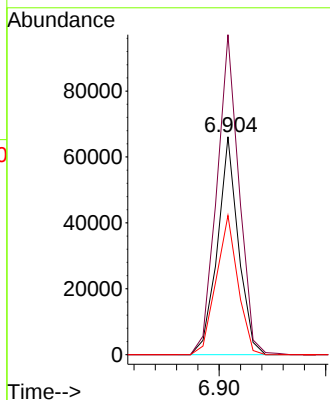
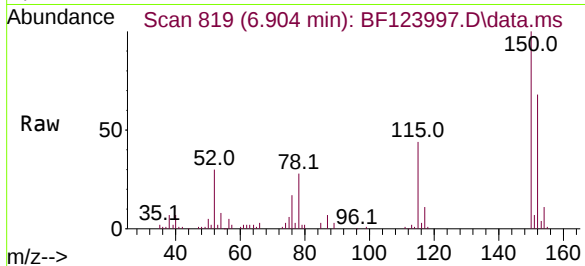




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.904 min Scan# 819
Delta R.T. 0.000 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

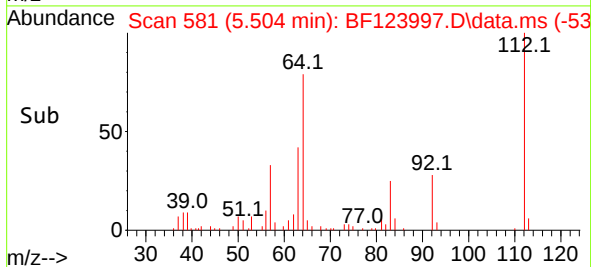
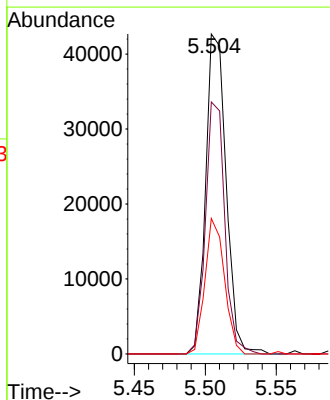
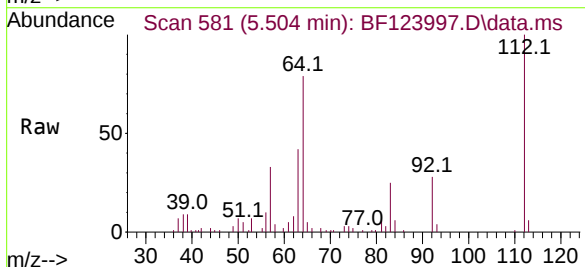
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

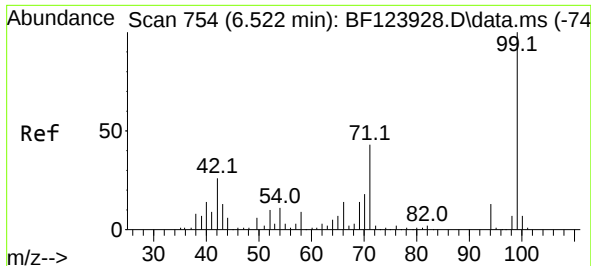
Tgt Ion:152 Resp: 45123
Ion Ratio Lower Upper
152 100
150 146.8 127.0 190.6
115 63.9 54.3 81.5



#5
2-Fluorophenol
Concen: 13.30 ng
RT: 5.504 min Scan# 581
Delta R.T. -0.006 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

Tgt Ion:112 Resp: 42755
Ion Ratio Lower Upper
112 100
64 78.7 61.4 92.0
63 42.3 33.0 49.4

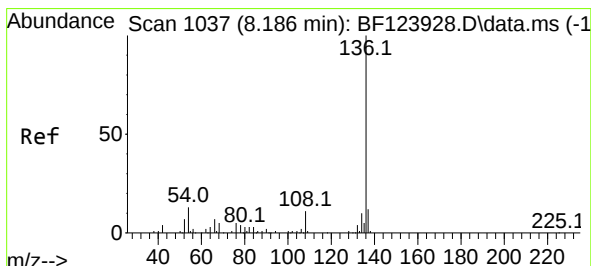
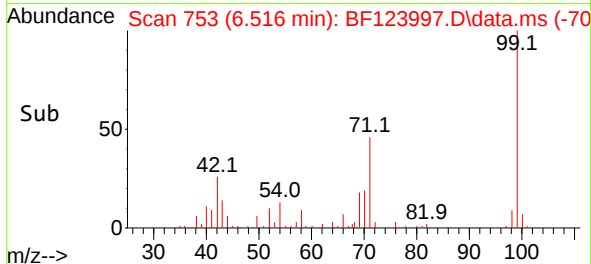
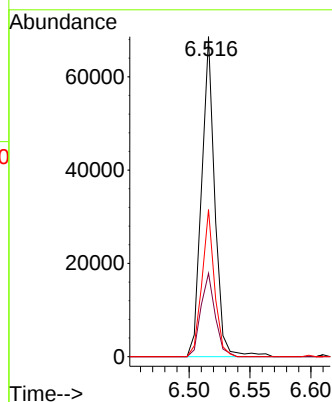
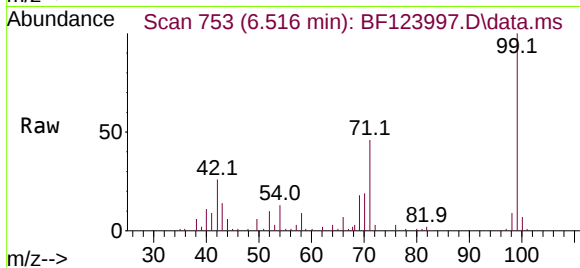




#7
Phenol-d6
Concen: 12.41 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

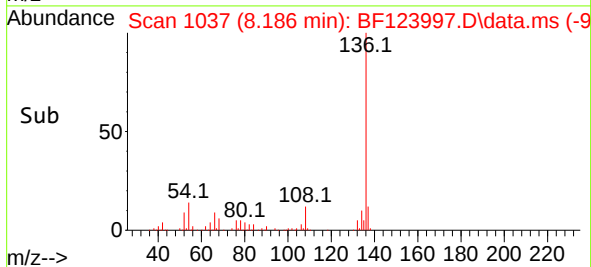
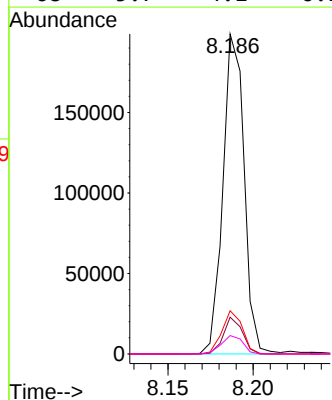
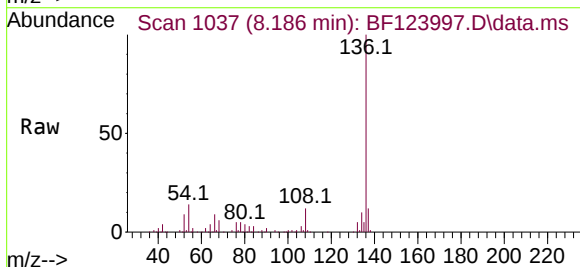
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

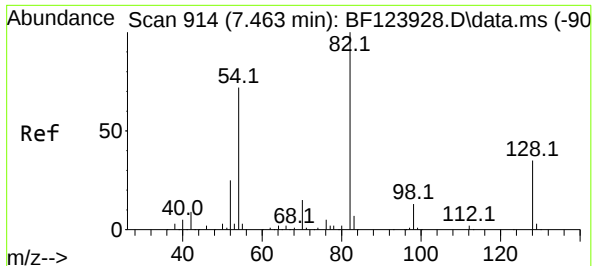
Tgt Ion:	99	Resp:	51746
Ion	Ratio	Lower	Upper
99	100		
42	26.1	19.8	29.8
71	45.9	31.1	46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.186 min Scan# 1037
Delta R.T. 0.000 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

Tgt Ion:	136	Resp:	172008
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	13.5	9.8	14.6
68	5.7	4.1	6.1





#23

Nitrobenzene-d5

Concen: 9.61 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF123997.D

Acq: 19 May 2021 18:56

Tgt Ion: 82 Resp: 38381

Ion Ratio Lower Upper

82 100

128 37.1 29.4 44.2

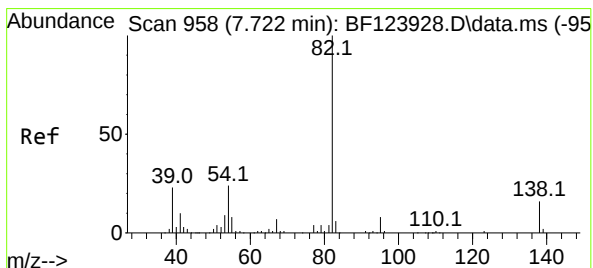
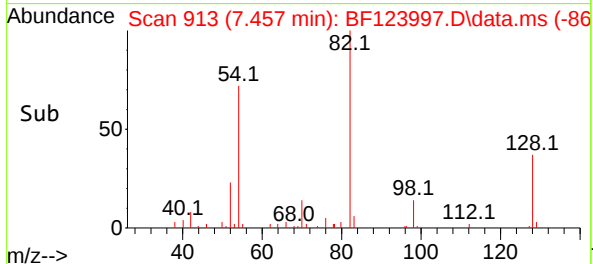
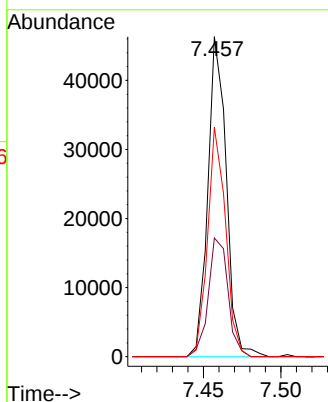
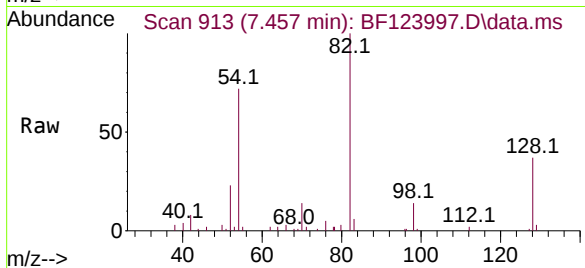
54 71.7 54.1 81.1

Instrument :

BNA_F

ClientSampleId :

TOP-SOIL-COMPOSITE-PILE-3



#25

Isophorone

Concen: 5.00 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.265 min

Lab File: BF123997.D

Acq: 19 May 2021 18:56

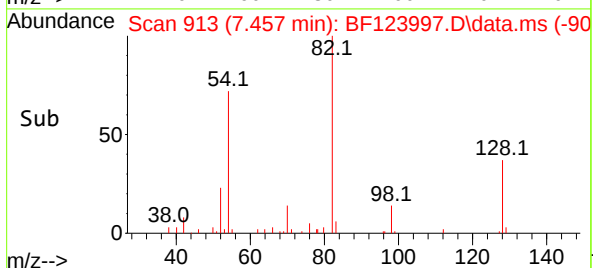
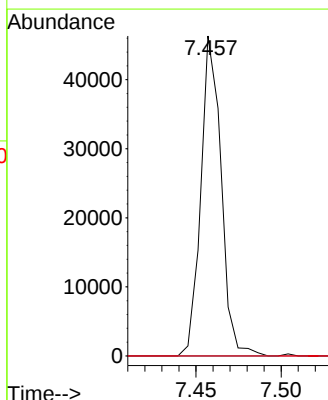
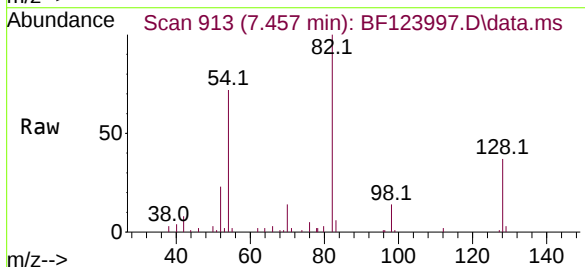
Tgt Ion: 82 Resp: 38380

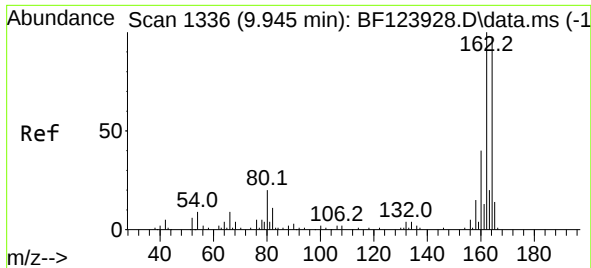
Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

138 0.0 11.8 17.8#

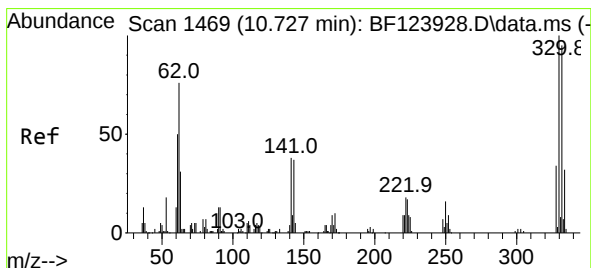
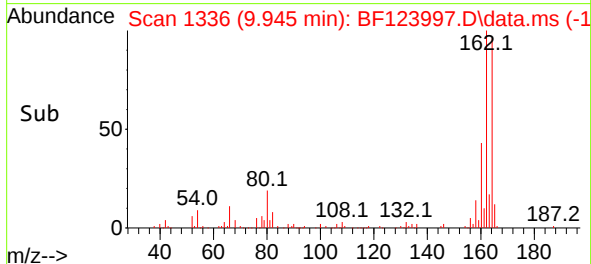
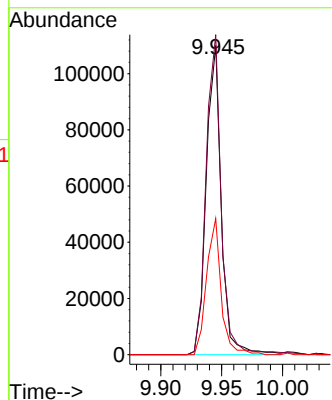
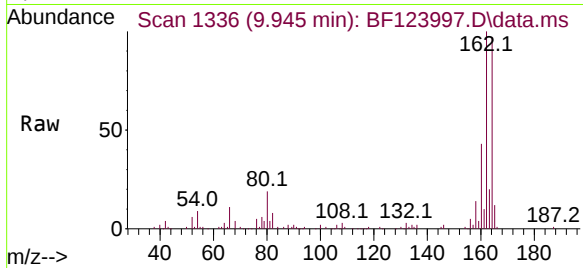




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

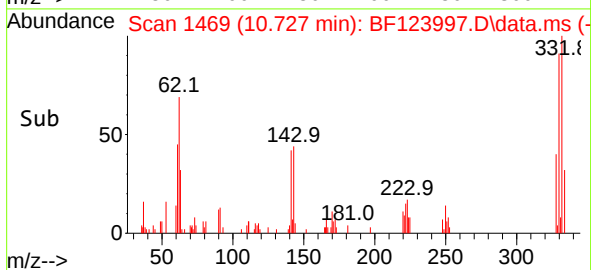
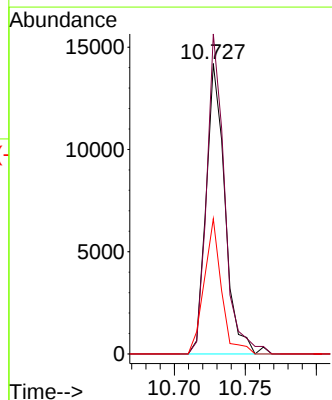
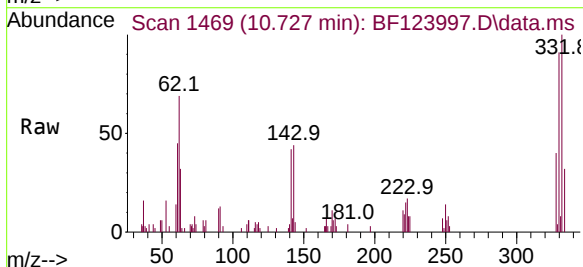
Instrument :
BNA_F
ClientSampleId :
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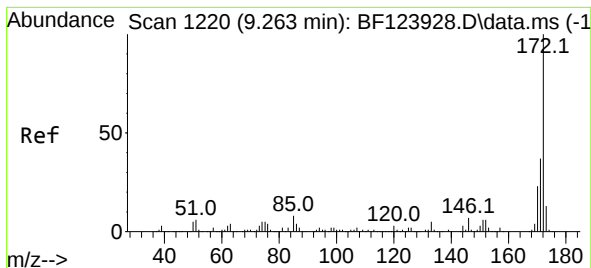
Tgt Ion:	164	Resp:	93882
Ion Ratio	Lower	Upper	
164	100		
162	103.5	80.7	121.1
160	44.1	37.3	55.9



#42
2,4,6-Tribromophenol
Concen: 11.67 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

Tgt Ion:	330	Resp:	13157
Ion Ratio	Lower	Upper	
330	100		
332	104.9	77.1	115.7
141	42.8	27.9	41.9#

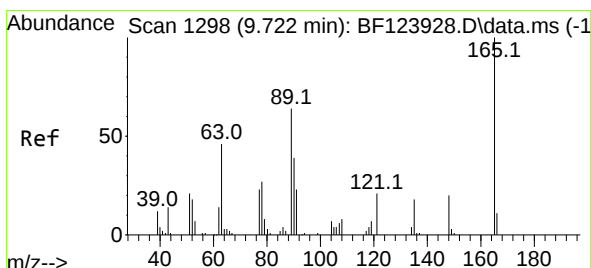
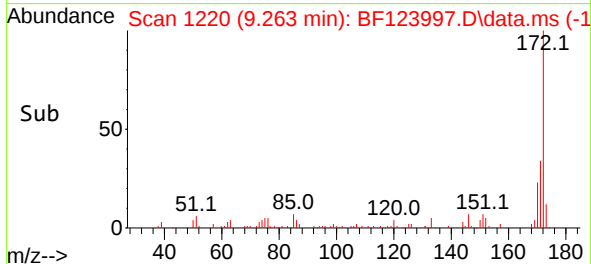
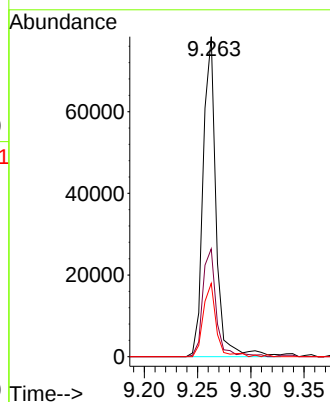
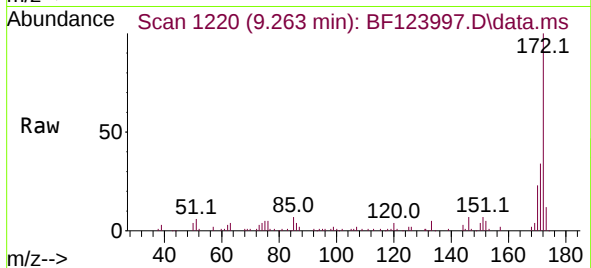




#45
2-Fluorobiphenyl
Concen: 8.73 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

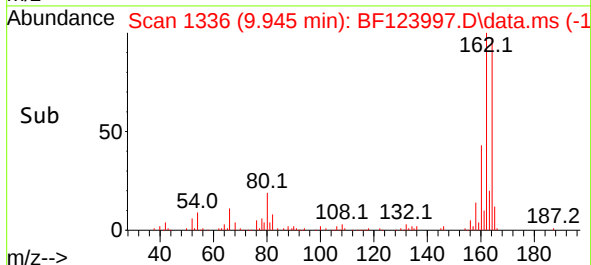
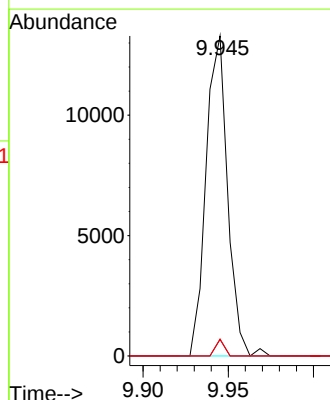
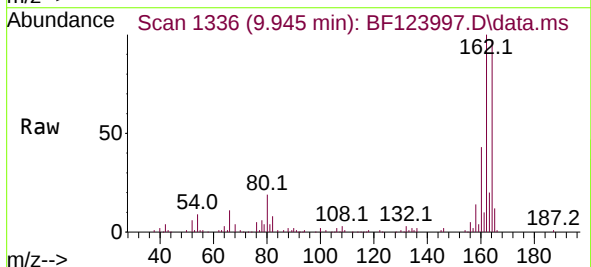
Instrument :
BNA_F
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TOP-SOIL-COMPOSITE-PILE-3

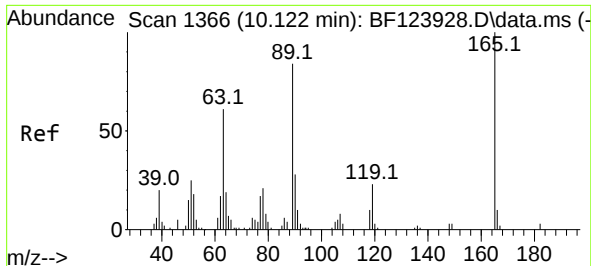
Tgt Ion:172 Resp: 66606
Ion Ratio Lower Upper
172 100
171 33.7 28.1 42.1
170 22.9 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 7.72 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.224 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

Tgt Ion:165 Resp: 11709
Ion Ratio Lower Upper
165 100
63 5.1 67.7 101.5#
89 5.3 58.8 88.2#

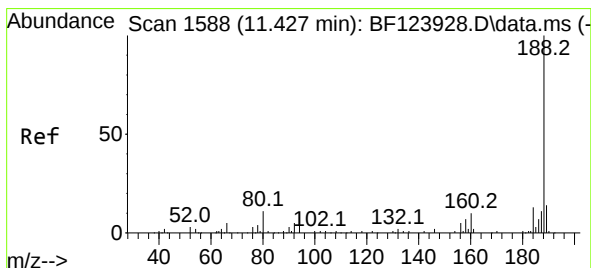
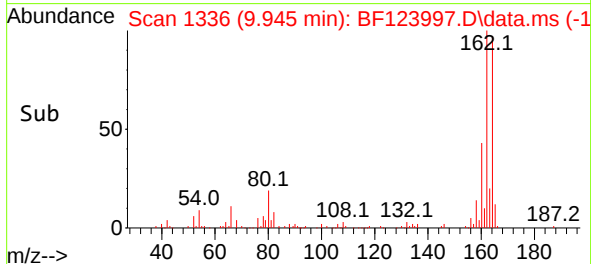
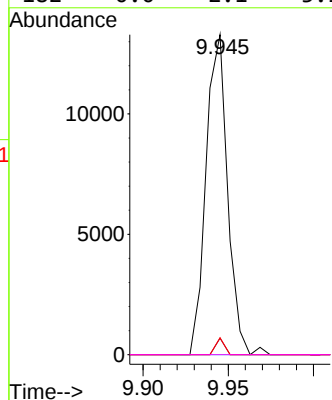
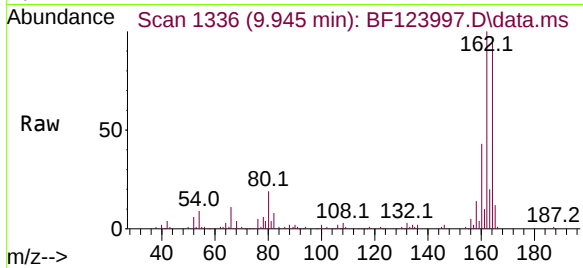




#57
2,4-Dinitrotoluene
Concen: 6.30 ng
RT: 9.945 min Scan# 1336
Delta R.T. -0.176 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

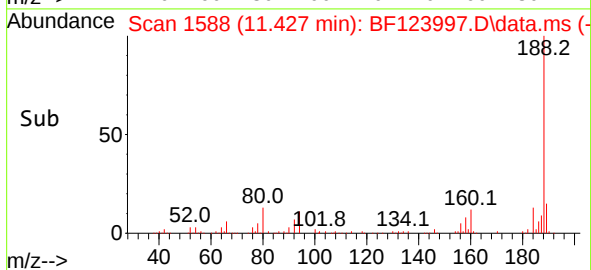
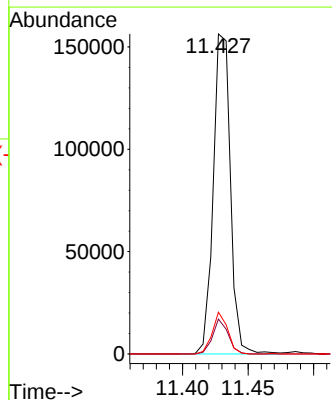
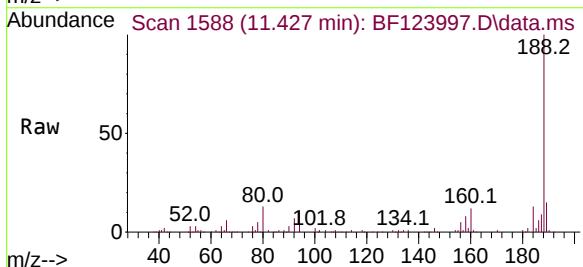
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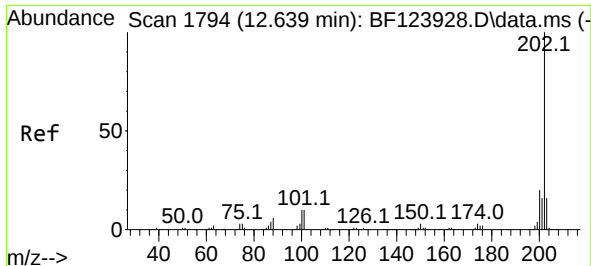
Tgt Ion:165	Resp:	11709
Ion Ratio	Lower	Upper
165	100	
63	5.1	43.5 65.3#
89	5.3	67.7 101.5#
182	0.0	2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

Tgt Ion:188	Resp:	142415
Ion Ratio	Lower	Upper
188	100	
94	10.9	6.9 10.3#
80	13.0	8.2 12.2#

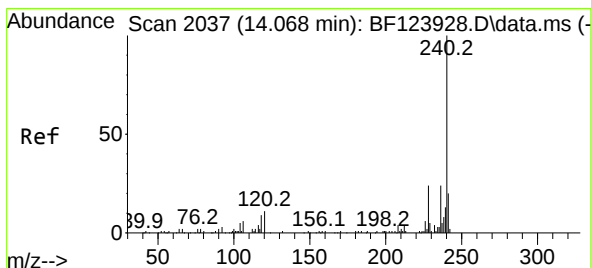
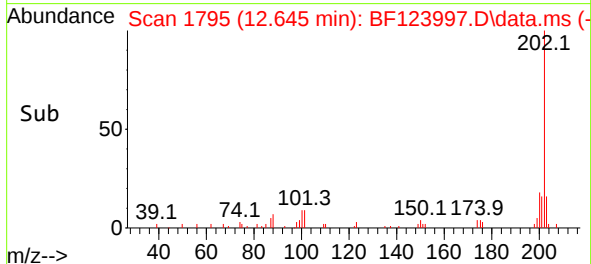
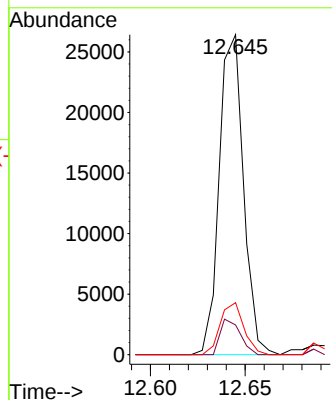
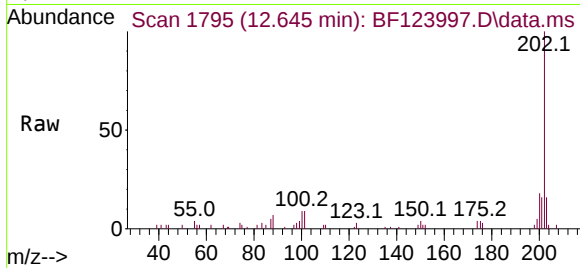




#75
Fluoranthene
Concen: 2.52 ng
RT: 12.645 min Scan# 1795
Delta R.T. 0.006 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

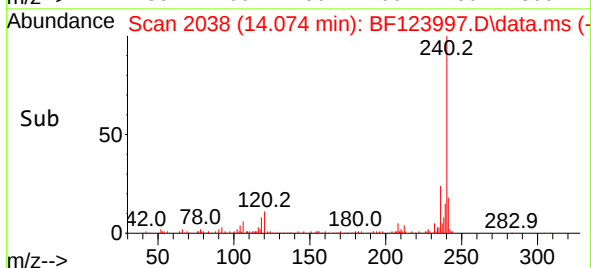
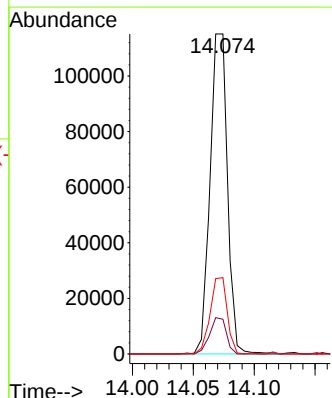
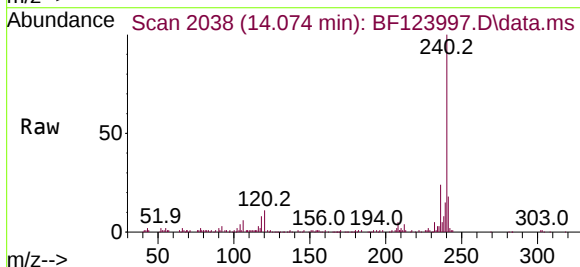
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

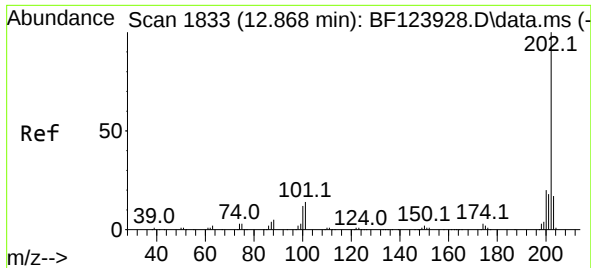
Tgt Ion:	202	Resp:	23544
Ion Ratio	Lower	Upper	
202	100		
101	9.3	0.0	30.9
203	16.3	0.0	37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

Tgt Ion:	240	Resp:	114382
Ion Ratio	Lower	Upper	
240	100		
120	10.9	7.2	10.8#
236	23.9	19.0	28.4

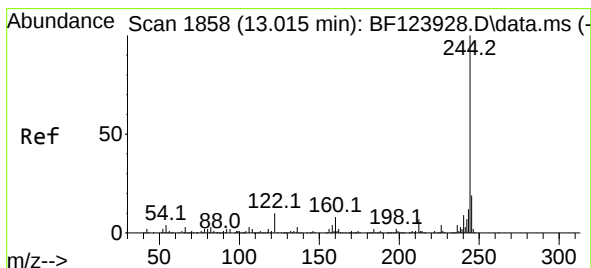
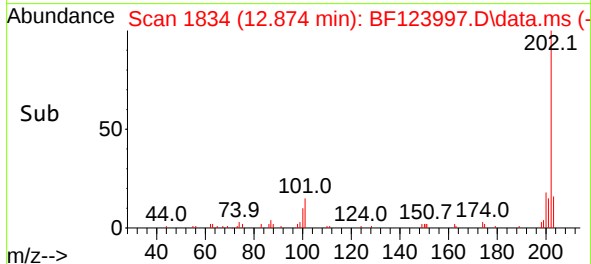
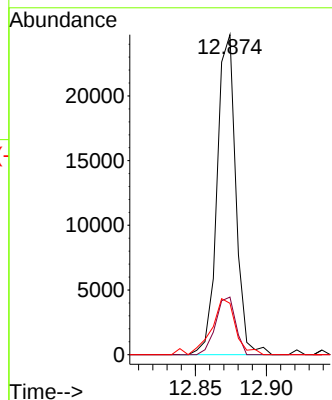
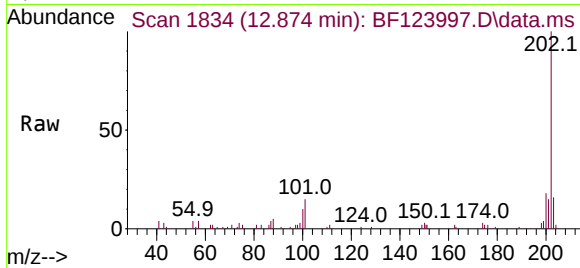




#78
Pyrene
Concen: 2.23 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.006 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

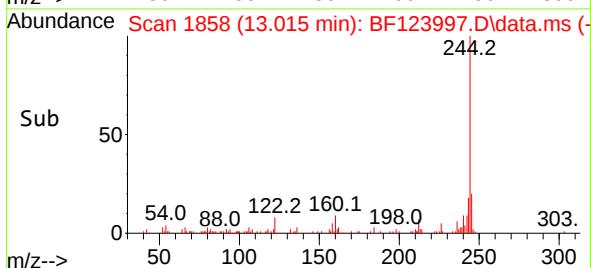
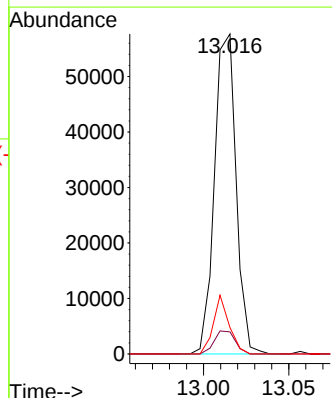
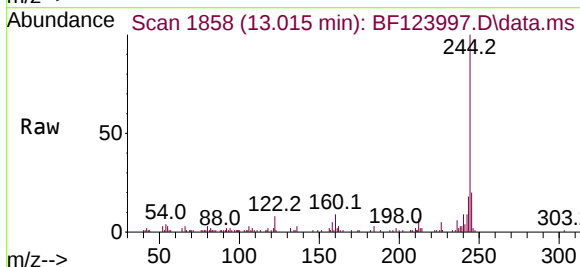
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

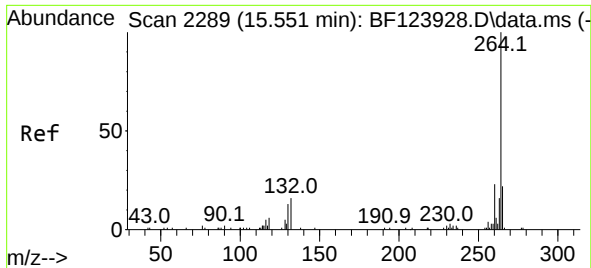
Tgt Ion:202	Resp:	22659
Ion Ratio	Lower	Upper
202	100	
200	18.0	16.1 24.1
203	16.0	14.8 22.2



#79
Terphenyl-d14
Concen: 6.75 ng
RT: 13.015 min Scan# 1858
Delta R.T. 0.000 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

Tgt Ion:244	Resp:	50986
Ion Ratio	Lower	Upper
244	100	
212	6.9	5.7 8.5
122	8.3	9.7 14.5#

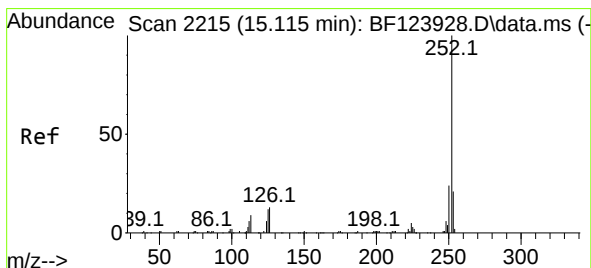
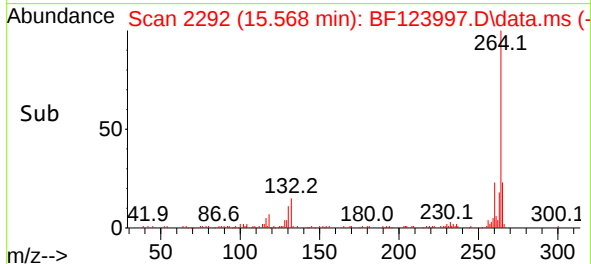
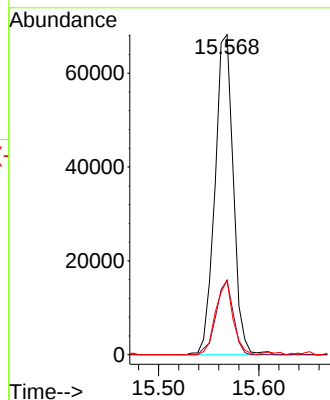
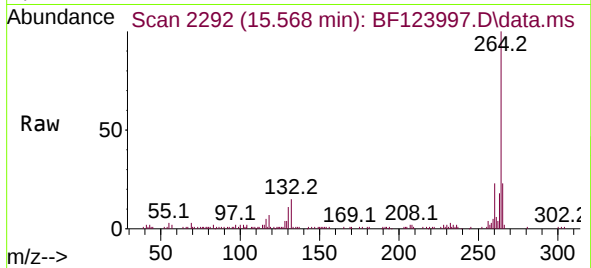




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.018 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

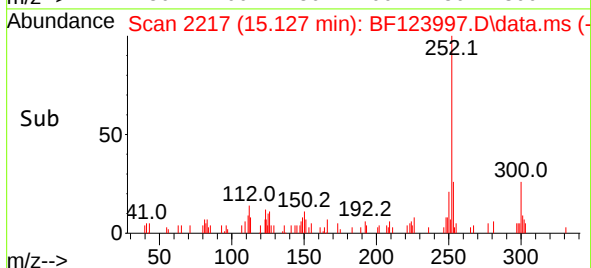
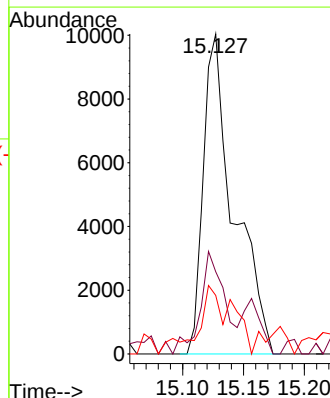
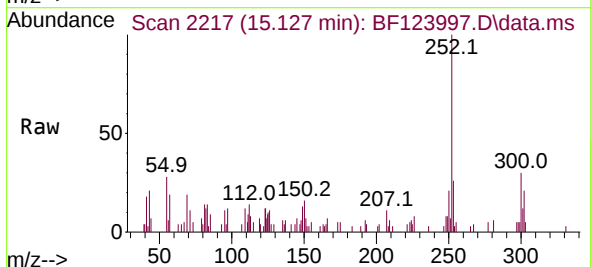
Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

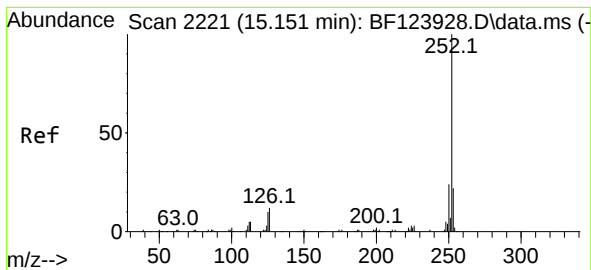
Tgt Ion:264	Resp:	86801
Ion Ratio	Lower	Upper
264	100	
260	23.3	18.7 28.1
265	23.2	17.8 26.8



#88
Benzo(b)fluoranthene
Concen: 2.60 ng
RT: 15.127 min Scan# 2217
Delta R.T. 0.012 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

Tgt Ion:252	Resp:	17483
Ion Ratio	Lower	Upper
252	100	
253	25.7	18.1 27.1
125	18.3	6.2 9.4#





#89
Benzo(k)fluoranthene
Concen: 2.86 ng
RT: 15.127 min Scan# 2217
Delta R.T. -0.024 min
Lab File: BF123997.D
Acq: 19 May 2021 18:56

Instrument :
BNA_F
ClientSampleId :
TOP-SOIL-COMPOSITE-PILE-3

Tgt Ion:252 Resp: 17483
Ion Ratio Lower Upper
252 100
253 25.7 17.9 26.9
125 18.3 7.0 10.6#

