

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
 Data File : BF111703.D
 Acq On : 21 Dec 2018 22:31
 Operator : JU/SJ
 Sample : J6518-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 337-SOIL

Manual Integrations
 APPROVED

Sohil
 12/26/2018 3:10:58 PM

Quant Time: Dec 22 00:49:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	147954	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	511621	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	222839	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	405233	20.00	ng	0.01
76) Chrysene-d12	14.06	240	295449	20.00	ng	0.01
87) Perylene-d12	15.54	264	234555	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	202080	23.28	ng	0.00
7) Phenol-d6	6.53	99	247947	22.45	ng	0.00
23) Nitrobenzene-d5	7.45	82	148626	16.91	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	60215	22.87	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	269665	17.64	ng	0.00
79) Terphenyl-d14	13.00	244	263357	16.90	ng	0.00
Target Compounds						
71) Phenanthrene	11.44	178	81750	3.804	ng	94
75) Fluoranthene	12.63	202	132488	6.088	ng	97
78) Pyrene	12.86	202	121597	5.828	ng	95
81) Benzo(a)anthracene	14.05	228	52759	3.129	ng	96
83) Chrysene	14.09	228	45784	2.763	ng	97
88) Benzo(b)fluoranthene	15.11	252	51758m	3.776	ng	
90) Benzo(a)pyrene	15.48	252	34767	2.792	ng	# 88

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

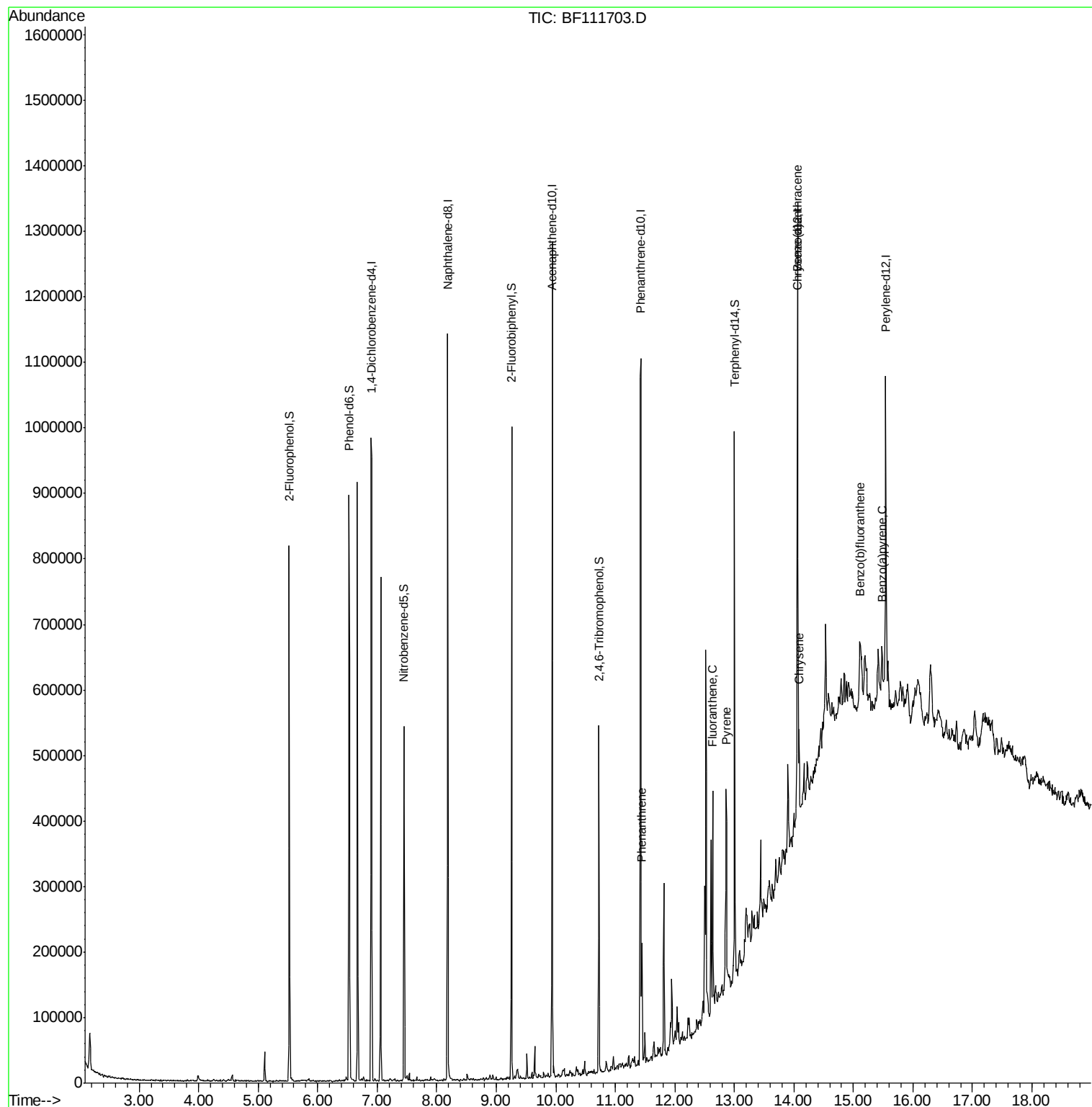
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122118\
Data File : BF111703.D
Acq On : 21 Dec 2018 22:31
Operator : JU/SJ
Sample : J6518-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

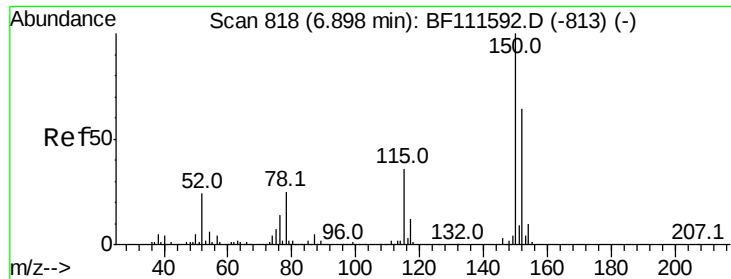
Instrument :
BNA_F
ClientSampleId :
337-SOIL

Manual Integrations
APPROVED

Sohil
12/26/2018 3:10:58 PM

Quant Time: Dec 22 00:49:23 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 17:39:39 2018
Response via : Initial Calibration





#1

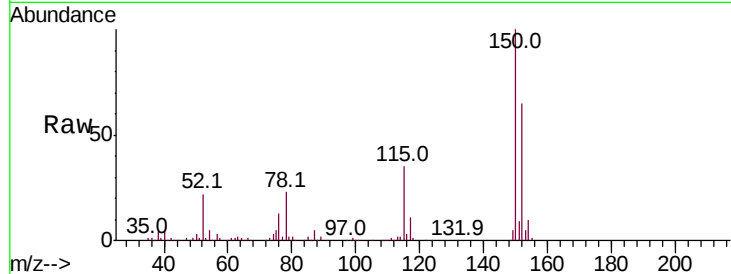
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111703.D
Acq: 21 Dec 2018 22:31

Instrument :
BNA_F
ClientSampleId :
337-SOIL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.6	189.8
115	53.9	50.7	76.1

Manual Integrations
APPROVED

Sohil
12/26/2018 3:10:58 PM

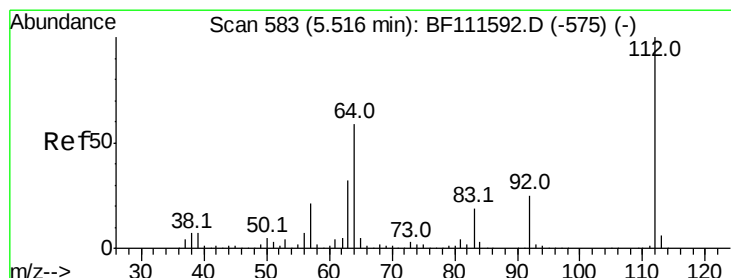
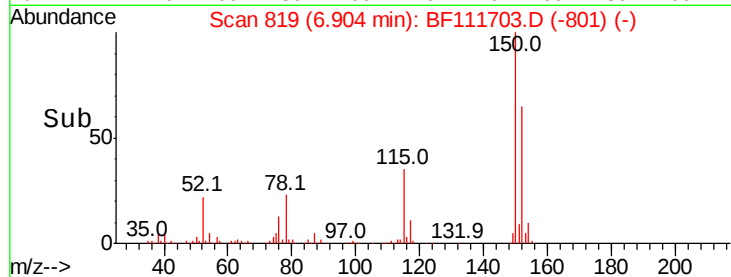
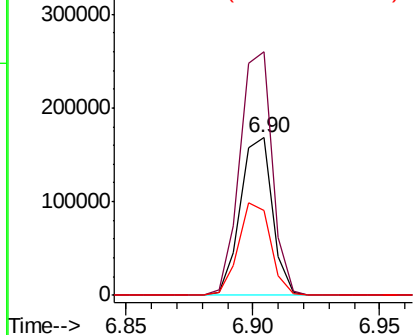


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

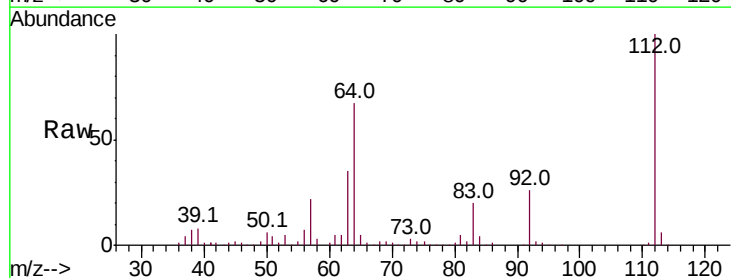
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 23.281 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF111703.D
Acq: 21 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	51.8	77.6
63	35.2	26.8	40.2

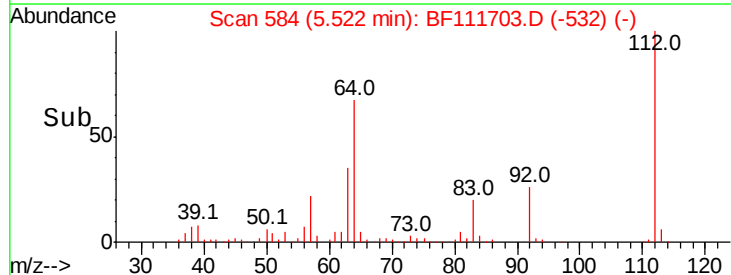
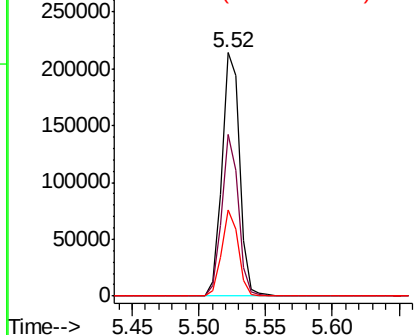


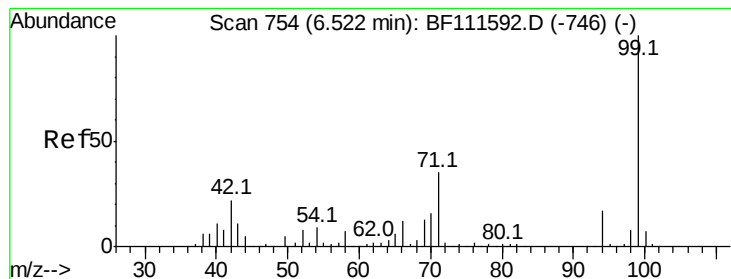
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 22.445 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF111703.D

Acq: 21 Dec 2018 22:31

Instrument :

BNA_F

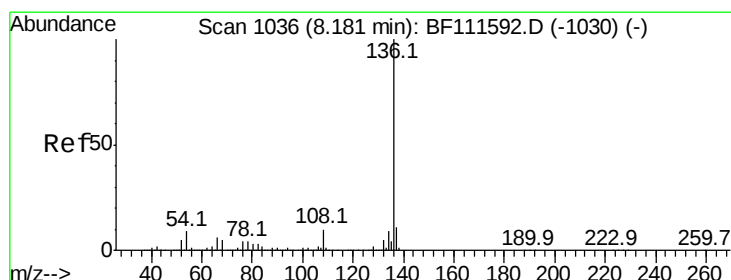
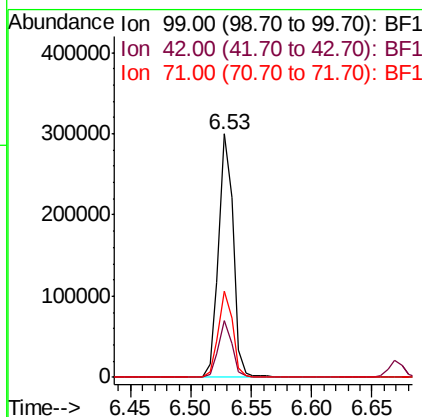
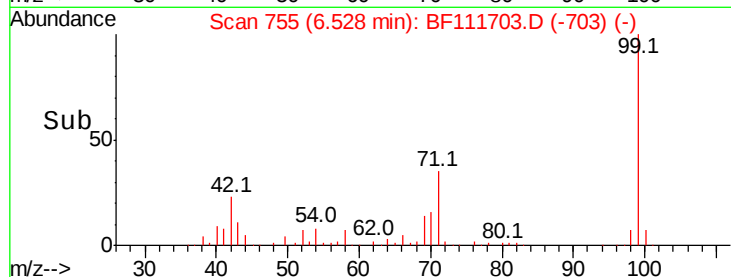
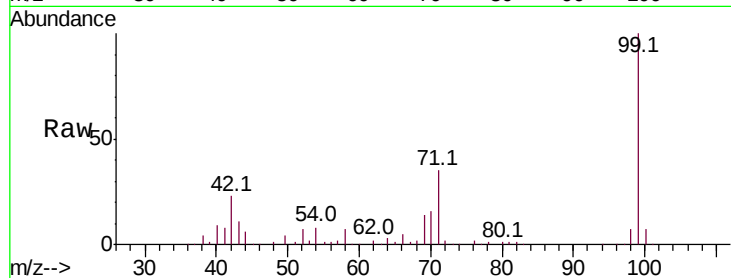
ClientSampled :

337-SOIL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		247947		
42	23.1	17.4	26.0		
71	35.3	26.1	39.1		

Manual Integrations
APPROVED

Sohil
12/26/2018 3:10:58 PM



#21

Naphthalene-d8

Concen: 20.000 ng

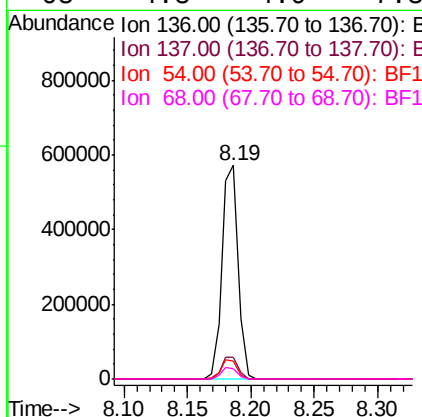
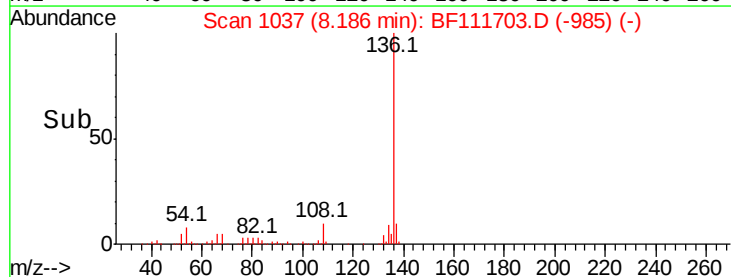
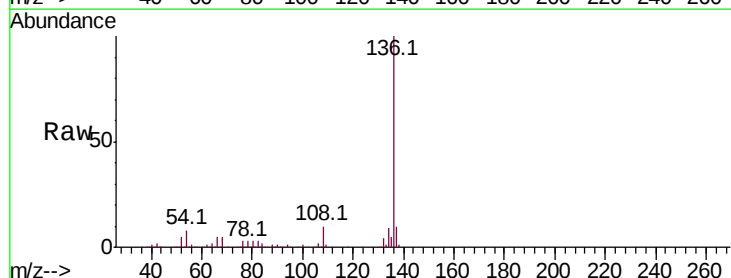
RT: 8.19 min Scan# 1037

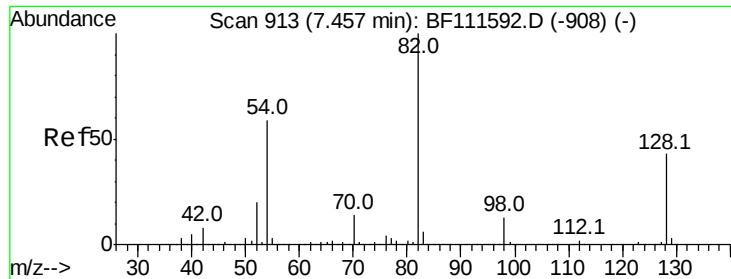
Delta R.T. 0.01 min

Lab File: BF111703.D

Acq: 21 Dec 2018 22:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		511621		
137	10.3	9.1	13.7		
54	8.2	7.7	11.5		
68	4.8	4.9	7.3#		





#23

Nitrobenzene-d5

Concen: 16.909 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF111703.D

Acq: 21 Dec 2018 22:31

Instrument :

BNA_F

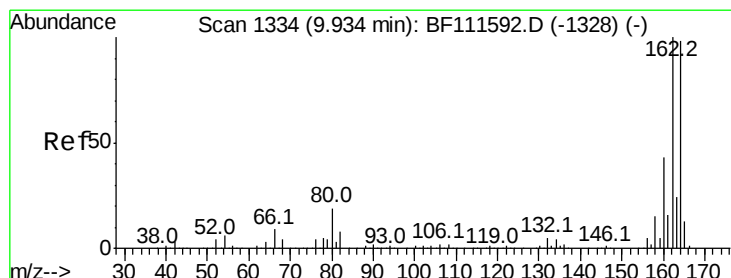
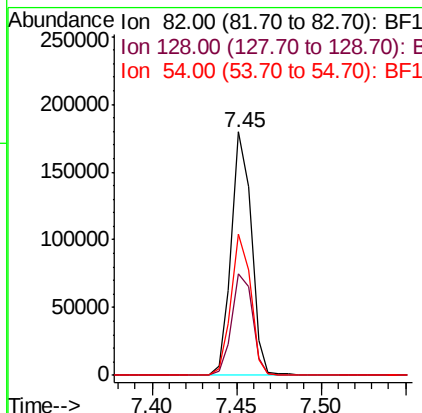
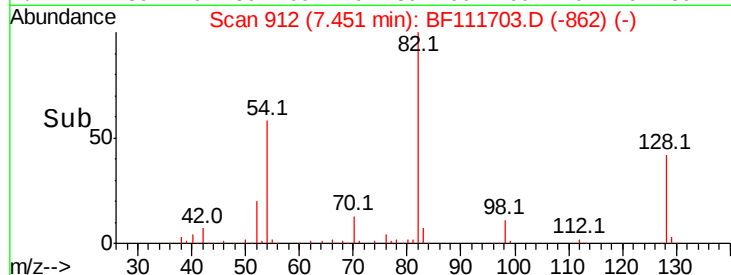
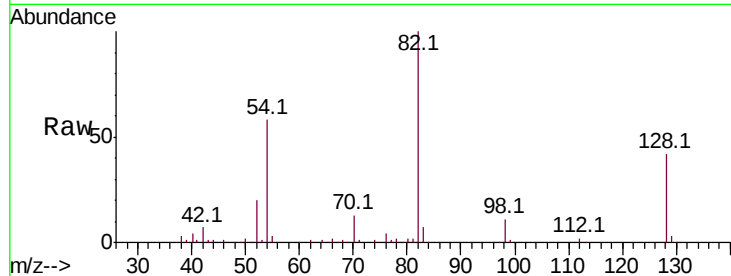
ClientSampled :

337-SOIL

Tot Ion:	82	Resp:	148626
Ion Ratio	Lower	Upper	
82	100		
128	41.7	37.4	56.2
54	58.1	47.6	71.4

Manual Integrations
APPROVED

Sohil
12/26/2018 3:10:58 PM



#39

Acenaphthene-d10

Concen: 20.000 ng

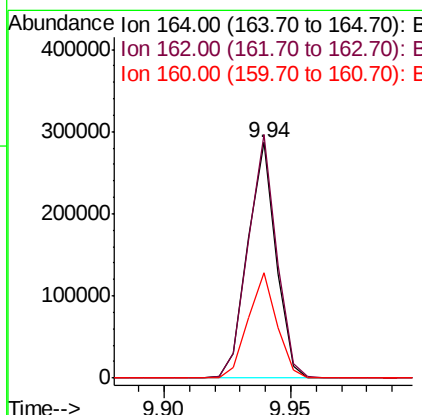
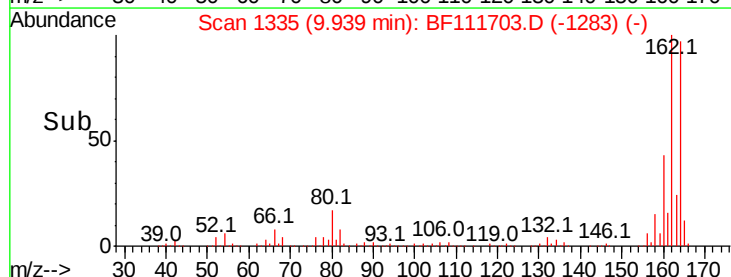
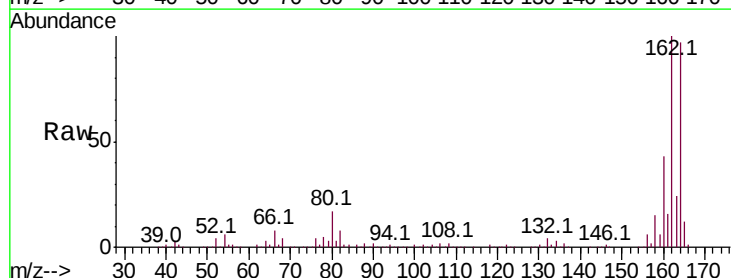
RT: 9.94 min Scan# 1335

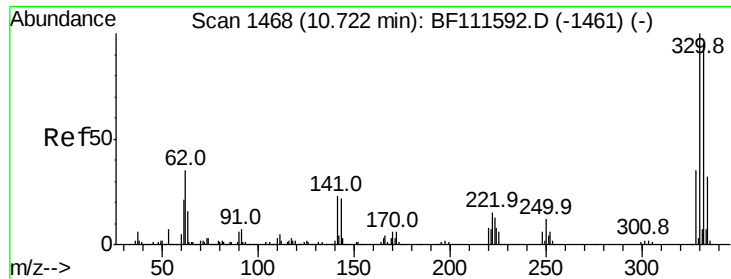
Delta R.T. 0.01 min

Lab File: BF111703.D

Acq: 21 Dec 2018 22:31

Tgt Ion:	164	Resp:	222839
Ion Ratio	Lower	Upper	
164	100		
162	103.3	81.4	122.0
160	44.7	35.7	53.5





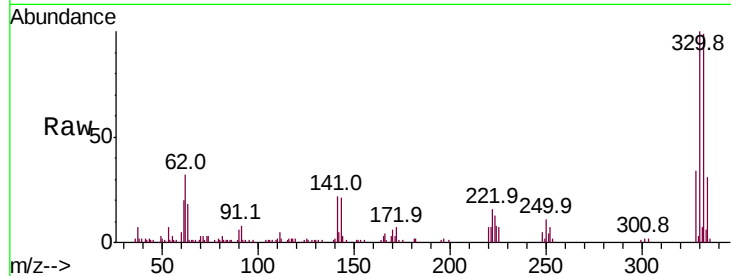
#42
 2,4,6-Tribromophenol
 Concen: 22.869 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. 0.01 min
 Lab File: BF111703.D
 Acq: 21 Dec 2018 22:31

Instrument :
 BNA_F
 ClientSampleId :
 337-SOIL

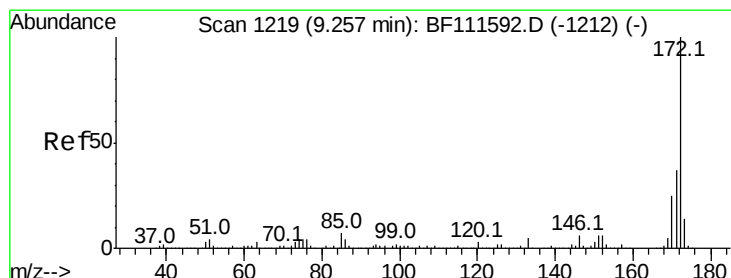
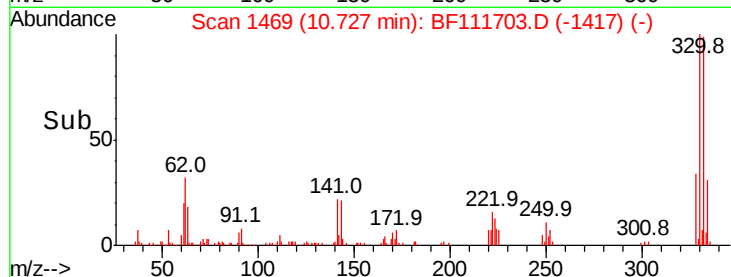
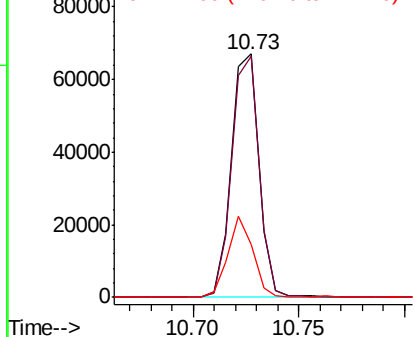
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.0	114.0
141	30.1	31.0	46.6#

Manual Integrations
 APPROVED

Sohil
 12/26/2018 3:10:58 PM



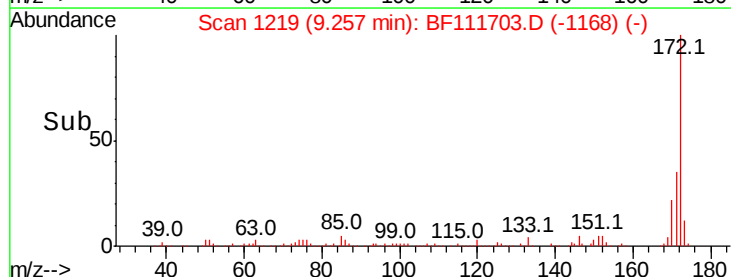
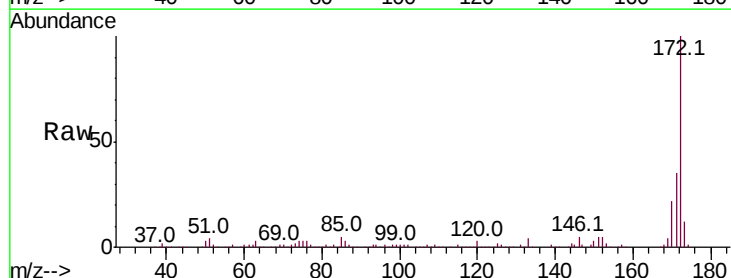
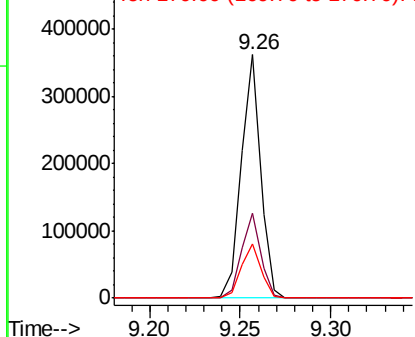
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

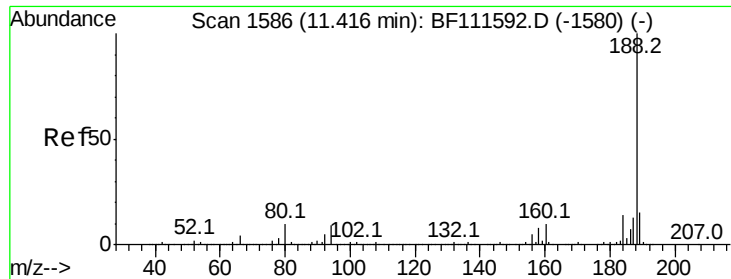


#45
 2-Fluorobiphenyl
 Concen: 17.639 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: BF111703.D
 Acq: 21 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	33.0	49.4
170	22.4	22.3	33.5

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





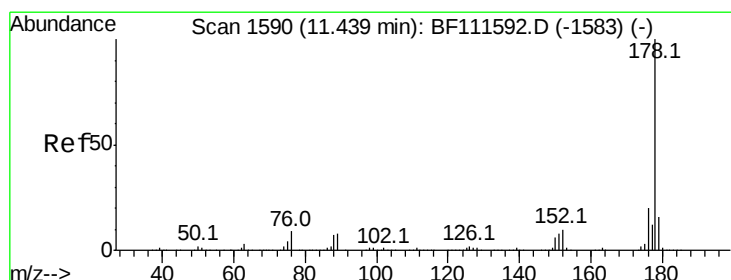
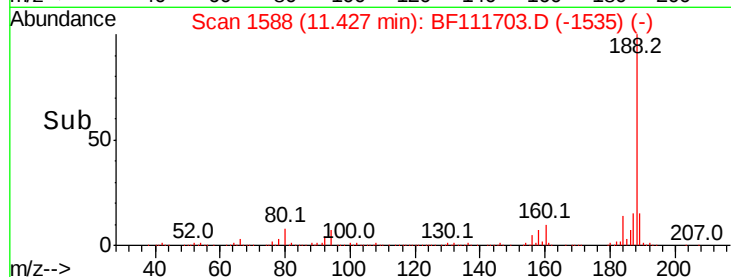
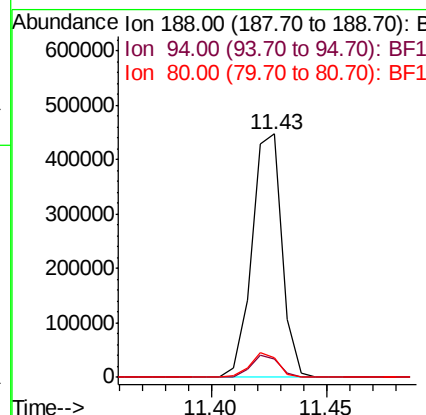
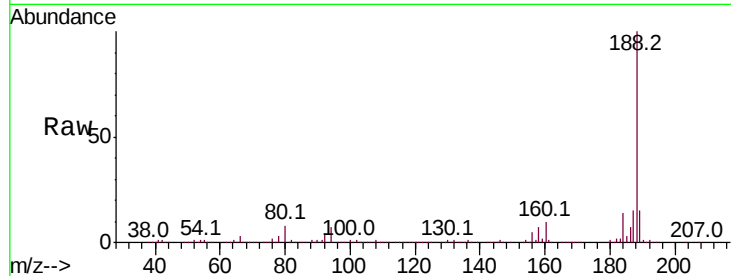
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF111703.D
Acq: 21 Dec 2018 22:31

Instrument :
BNA_F
ClientSampled :
337-SOIL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.4	9.6	14.4#
80	8.1	9.8	14.6#

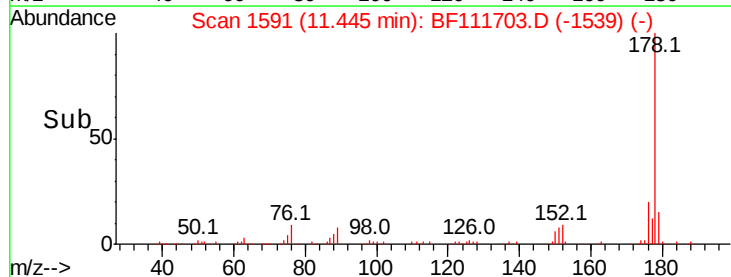
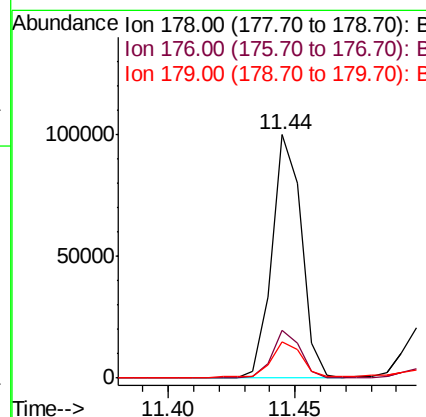
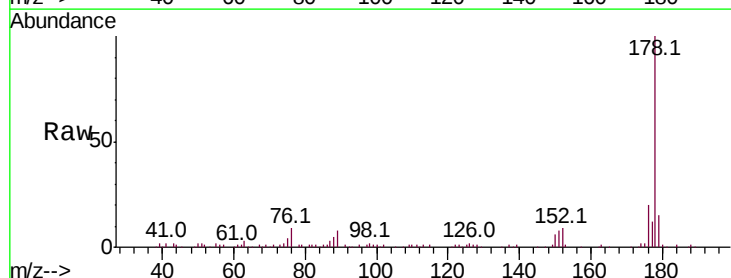
Manual Integrations
APPROVED

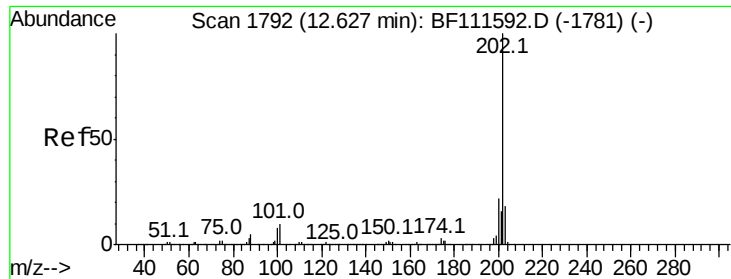
Sohil
12/26/2018 3:10:58 PM



#71
Phenanthrene
Concen: 3.804 ng
RT: 11.44 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF111703.D
Acq: 21 Dec 2018 22:31

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	18.1	27.1
179	15.1	14.0	21.0





#75

Fluoranthene

Concen: 6.088 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF111703.D

Acq: 21 Dec 2018 22:31

Instrument :

BNA_F

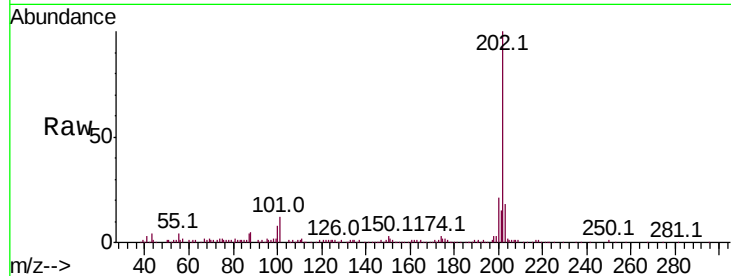
ClientSampleId :

337-SOIL

Tot Ion:	202	Resp:	132488
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	33.8
203	18.0	0.0	38.6

Manual Integrations
APPROVED

Sohil
12/26/2018 3:10:58 PM

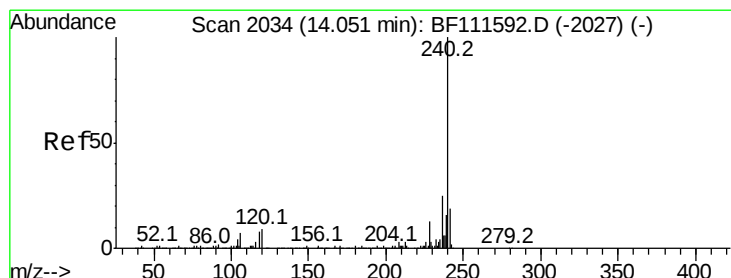
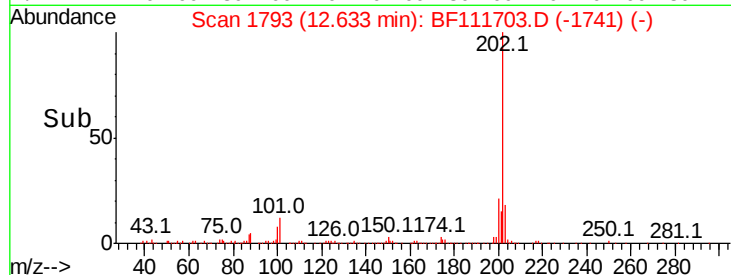
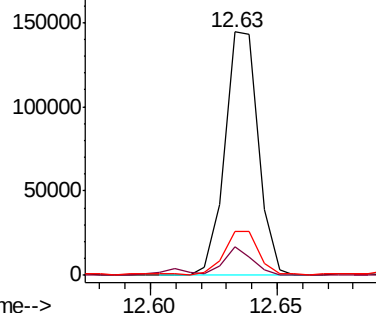


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF111703.D

Acq: 21 Dec 2018 22:31

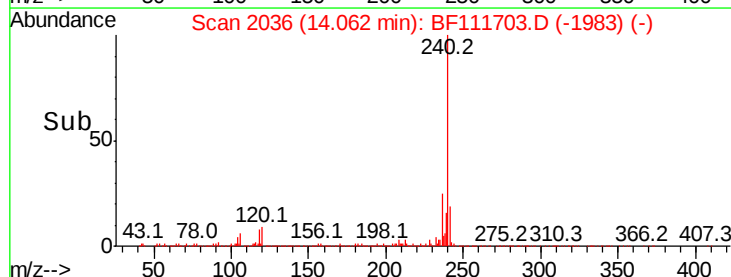
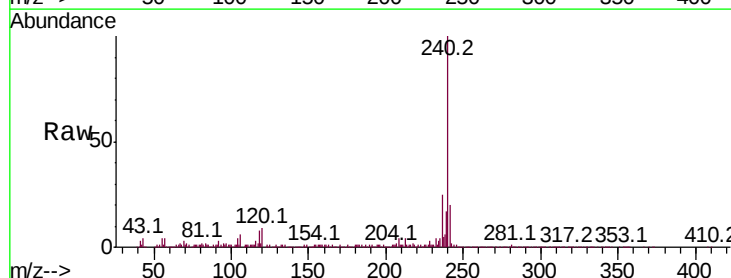
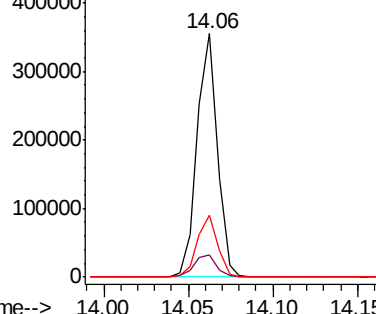
Tgt Ion:	240	Resp:	295449
Ion Ratio	Lower	Upper	
240	100		
120	9.3	12.2	18.2#
236	25.4	20.2	30.2

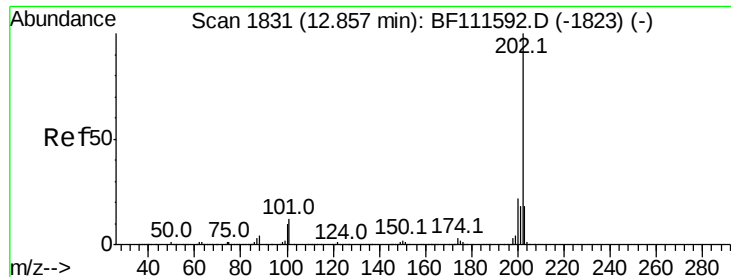
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.828 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF111703.D

Acq: 21 Dec 2018 22:31

Instrument :

BNA_F

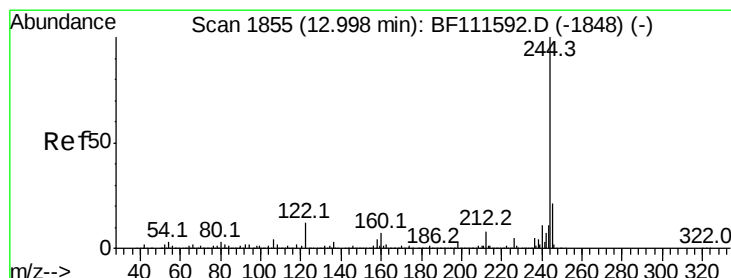
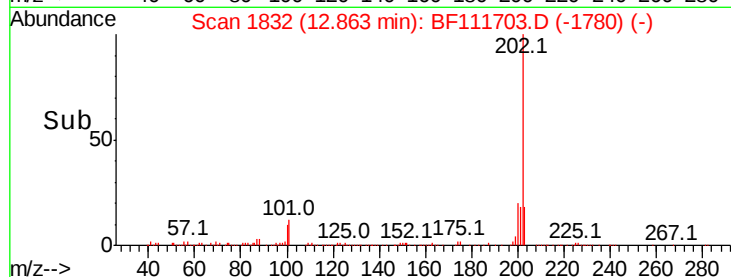
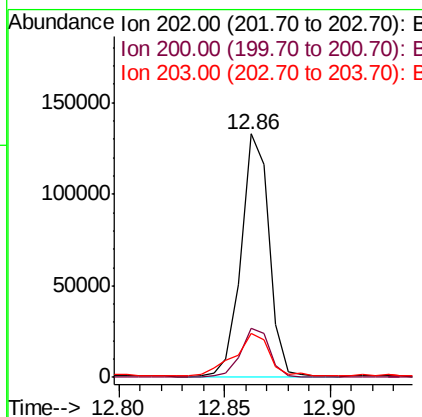
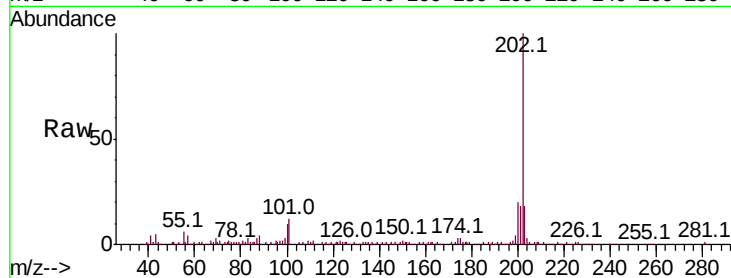
ClientSampleId :

337-SOIL

Tot Ion:	202	Resp:	121597
Ion Ratio		Lower	Upper
202	100		
200	20.1	19.0	28.4
203	18.3	15.2	22.8

Manual Integrations
APPROVED

Sohil
12/26/2018 3:10:58 PM



#79

Terphenyl-d14

Concen: 16.904 ng

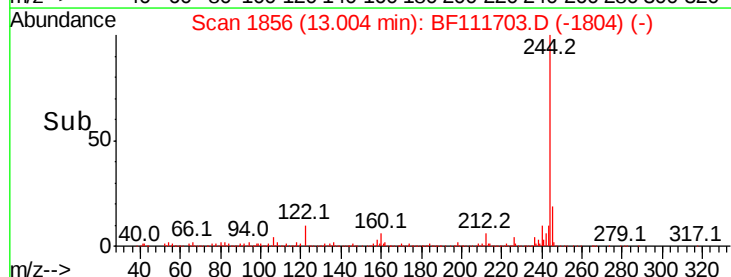
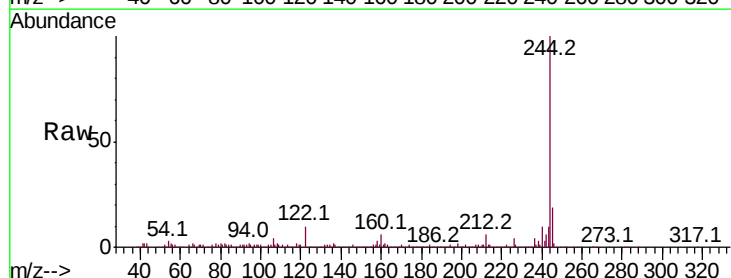
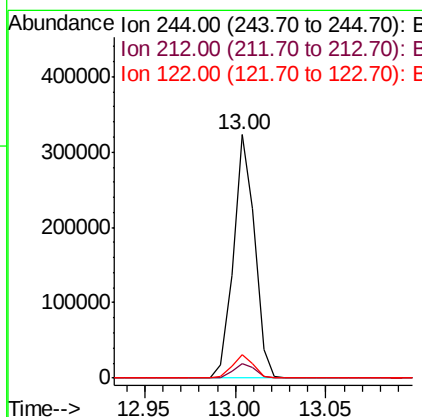
RT: 13.00 min Scan# 1856

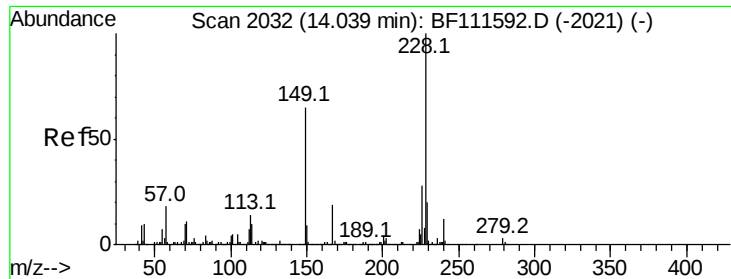
Delta R.T. 0.01 min

Lab File: BF111703.D

Acq: 21 Dec 2018 22:31

Tgt Ion:	244	Resp:	263357
Ion Ratio		Lower	Upper
244	100		
212	6.2	5.7	8.5
122	9.7	13.1	19.7#





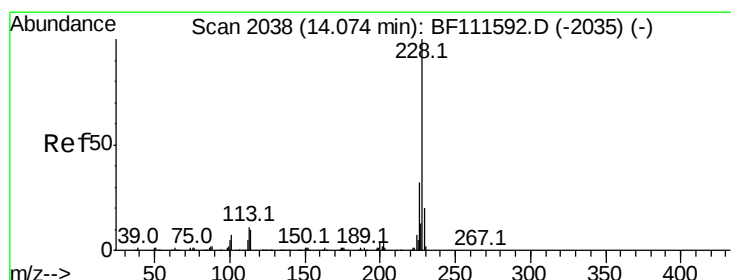
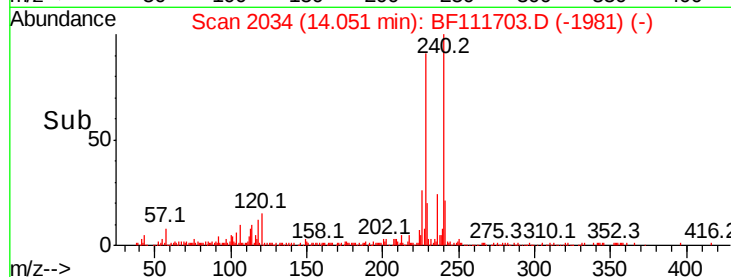
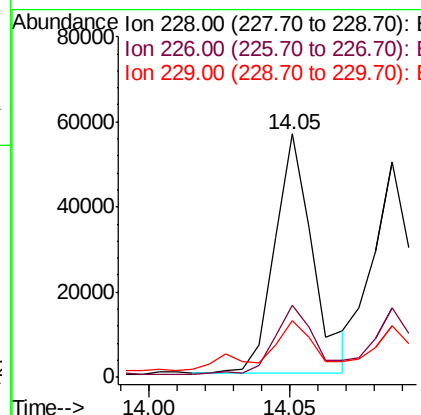
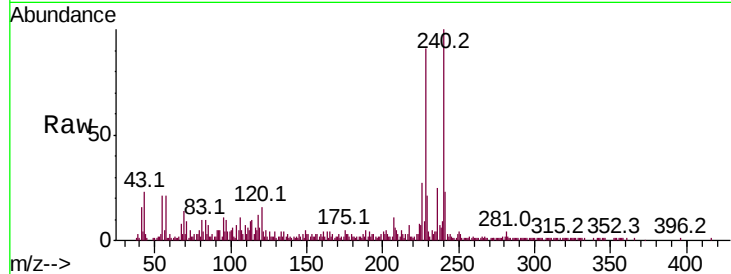
#81
Benzo(a)anthracene
Concen: 3.129 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF111703.D
Acq: 21 Dec 2018 22:31

Instrument :
BNA_F
ClientSampleId :
337-SOIL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	34.0
229	23.4	16.3	24.5

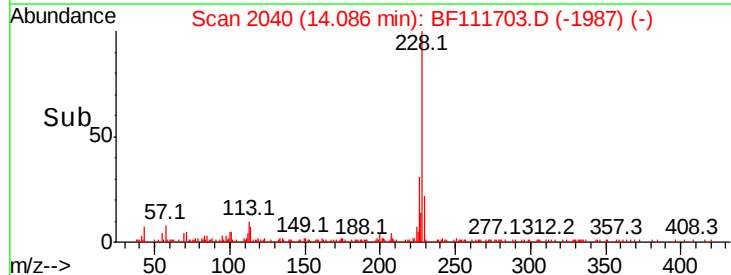
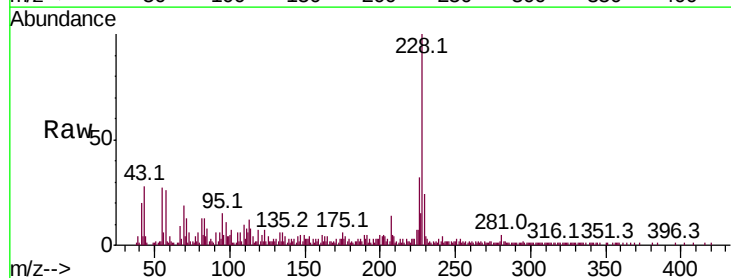
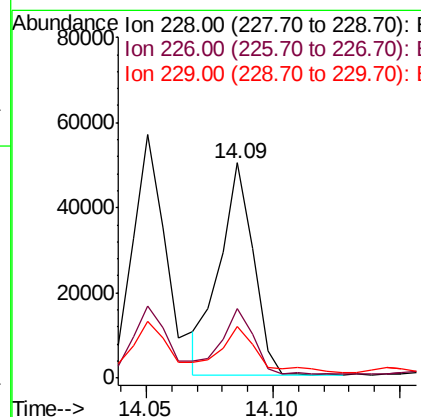
Manual Integrations
APPROVED

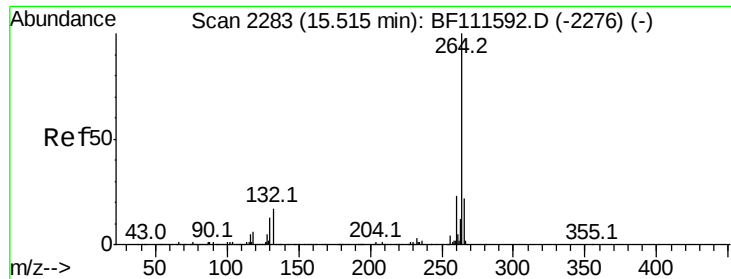
Sohil
12/26/2018 3:10:58 PM



#83
Chrysene
Concen: 2.763 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF111703.D
Acq: 21 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.3	37.9
229	24.2	17.2	25.8





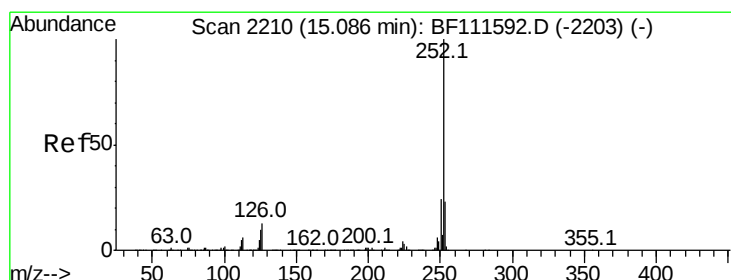
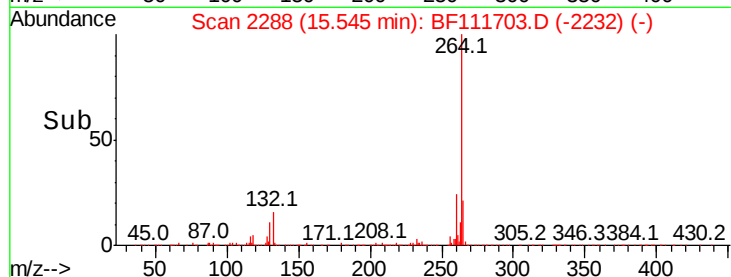
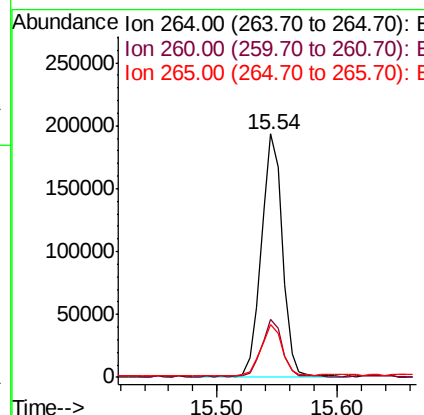
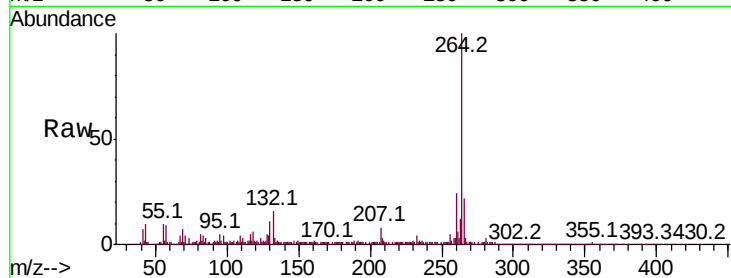
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.03 min
Lab File: BF111703.D
Acq: 21 Dec 2018 22:31

Instrument :
BNA_F
ClientSampled :
337-SOIL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	21.8	17.7	26.5

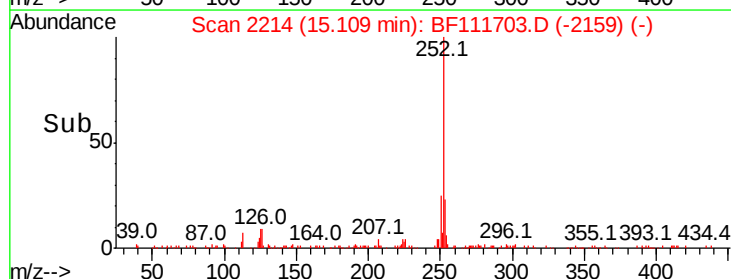
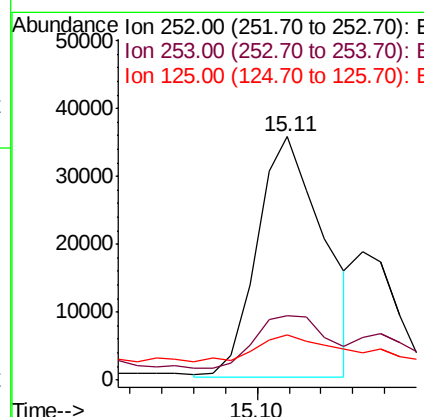
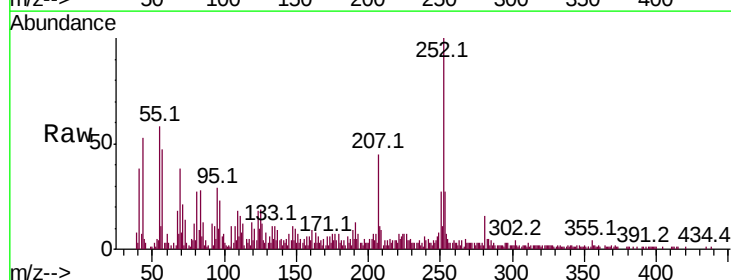
Manual Integrations
APPROVED

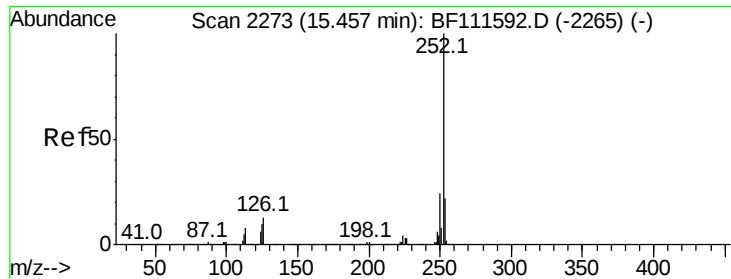
Sohil
12/26/2018 3:10:58 PM



#88
Benzo(b)fluoranthene
Concen: 3.776 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF111703.D
Acq: 21 Dec 2018 22:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.2	27.2
125	18.6	10.4	15.6#





#90
 Benzo(a)pyrene
 Concen: 2.792 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. 0.02 min
 Lab File: BF111703.D
 Acq: 21 Dec 2018 22:31

Instrument :
 BNA_F
 ClientSampleId :
 337-SOIL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	17.8	26.8
125	22.3	12.3	18.5

Manual Integrations
 APPROVED

Sohil
 12/26/2018 3:10:58 PM

