

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091517\
 Data File : BF098594.D
 Acq On : 16 Sep 2017 3:08
 Operator : SJ/JU
 Sample : I5205-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-OUTSIDE

Manual Integrations
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Quant Time: Sep 16 04:45:58 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	127344	20.00	ng	-0.03
21) Naphthalene-d8	7.93	136	541414	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	236073	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	411369	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	291307	20.00	ng	-0.02
86) Perylene-d12	15.20	264	262318	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	451471	52.42	ng	-0.03
7) Phenol-d6	6.30	99	549091	50.21	ng	-0.02
23) Nitrobenzene-d5	7.21	82	331590	34.14	ng	-0.03
41) 2,4,6-Tribromophenol	10.47	330	98302	62.39	ng	-0.02
44) 2-Fluorobiphenyl	9.00	172	510929	36.68	ng	-0.03
78) Terphenyl-d14	12.75	244	368805	27.33	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.40	163	76137	4.166	ng	99
70) Phenanthrene	11.19	178	61161	2.805	ng	97
74) Fluoranthene	12.37	202	119197	5.460	ng	97
77) Pyrene	12.60	202	105277	4.581	ng	96
80) Benzo(a)anthracene	13.79	228	47632	2.789	ng	99
82) Chrysene	13.82	228	51919	3.007	ng	99
87) Benzo(b)fluoranthene	14.81	252	65601m	3.977	ng	
89) Benzo(a)pyrene	15.14	252	41061	2.794	ng	98

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

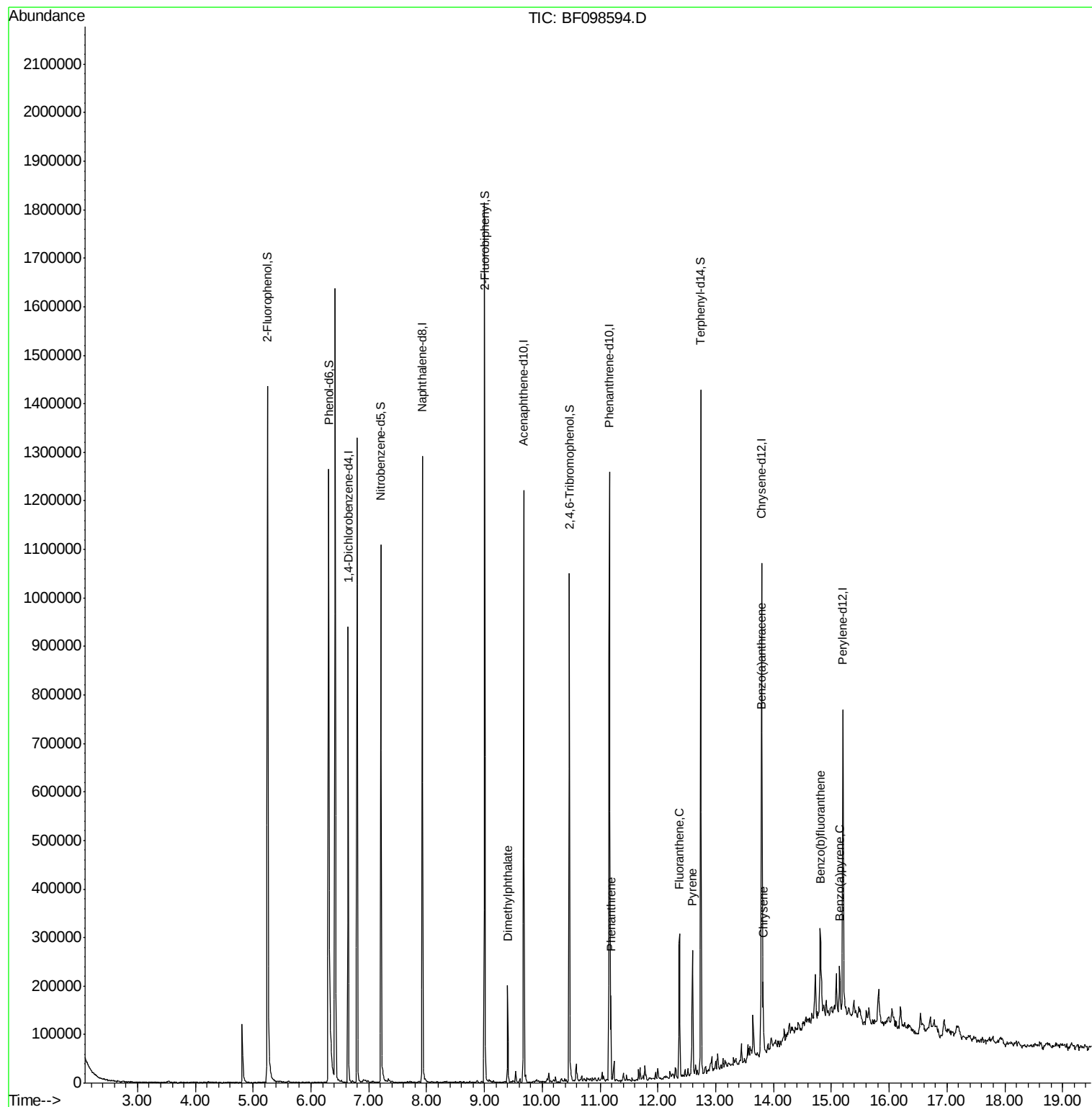
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091517\
Data File : BF098594.D
Acq On : 16 Sep 2017 3:08
Operator : SJ/JU
Sample : I5205-02 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

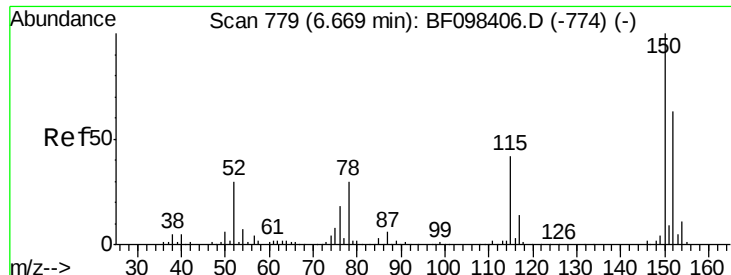
Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-OUTSIDE

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Quant Time: Sep 16 04:45:58 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
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#1

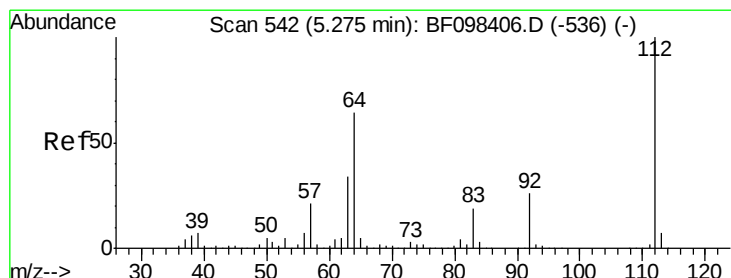
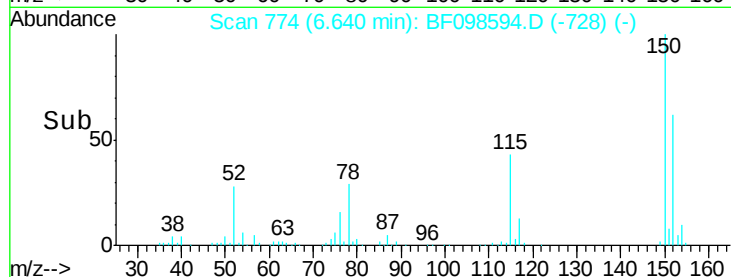
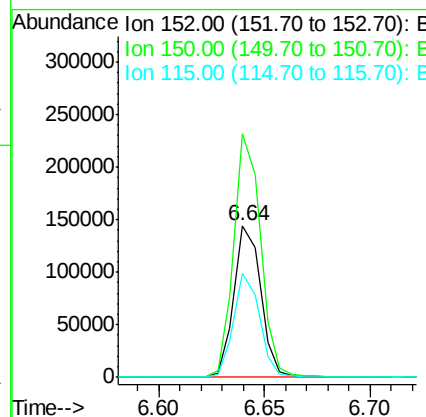
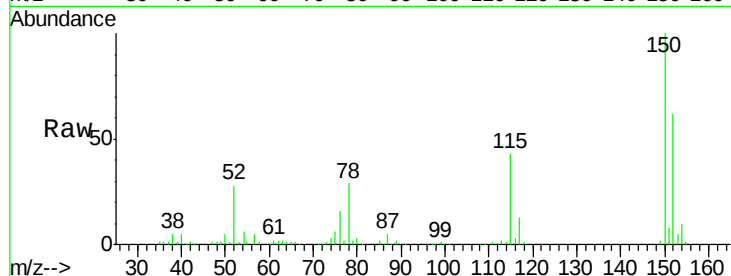
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.64 min Scan# 774
Delta R.T. -0.03 min
Lab File: BF098594.D
Acq: 16 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-OUTSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	127344		
150	160.4	126.2	189.2	
115	69.0	52.2	78.2	

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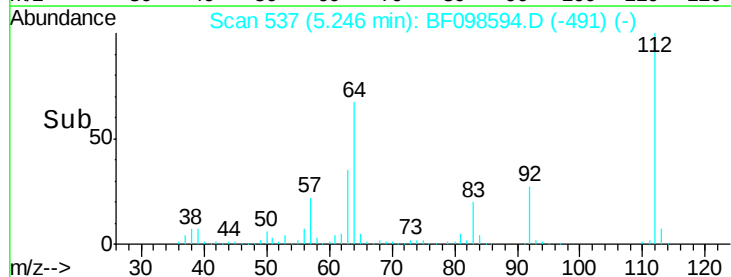
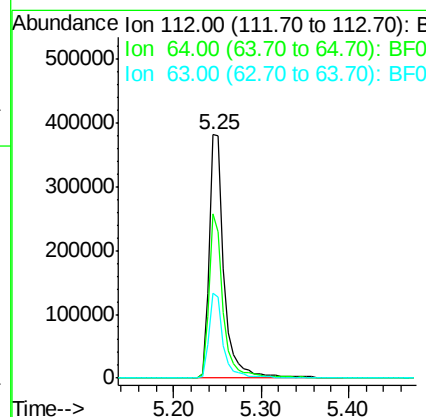
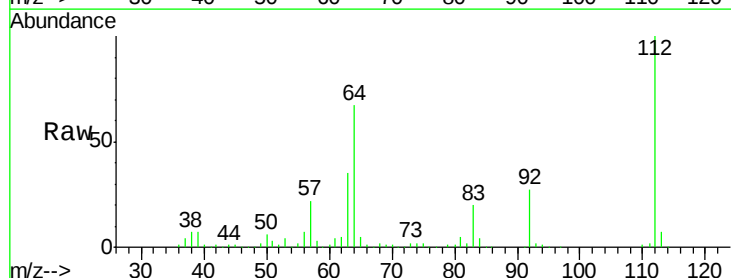
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#5

2-Fluorophenol
Concen: 52.418 ng
RT: 5.25 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF098594.D
Acq: 16 Sep 2017 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	451471		
64	67.5	46.0	69.0	
63	34.7	23.4	35.0	





#7

Phenol-d6

Concen: 50.212 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098594.D

Acq: 16 Sep 2017 3:08

Instrument :

BNA_F

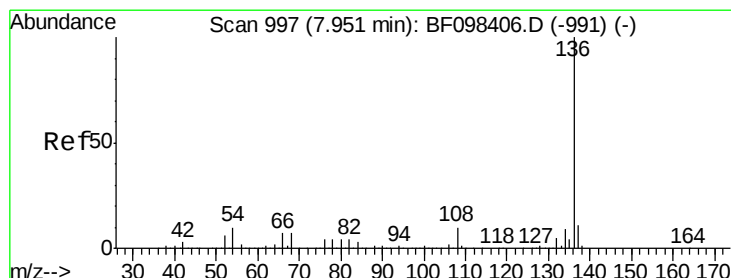
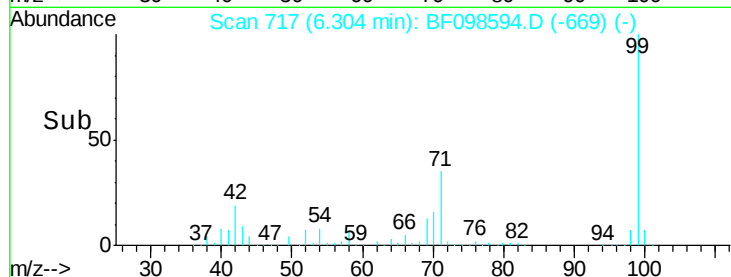
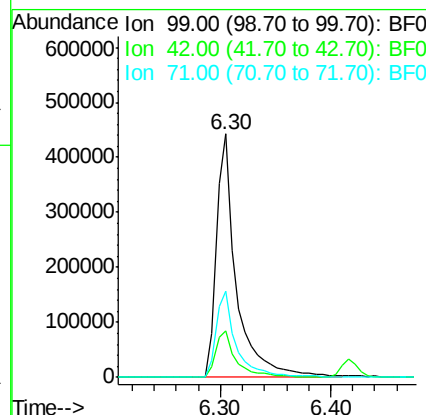
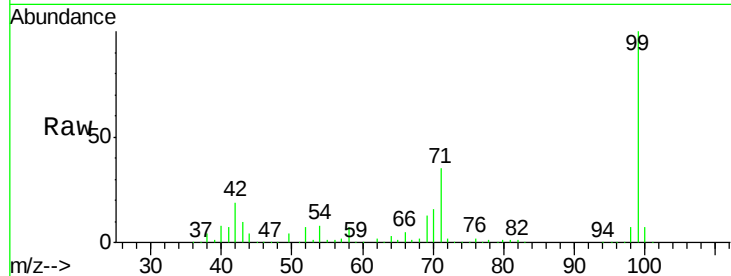
ClientSampleId :

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Tgt Ion:	99	Resp:	549091
Ion Ratio	Lower	Upper	
99	100		
42	19.3	13.5	20.3
71	35.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

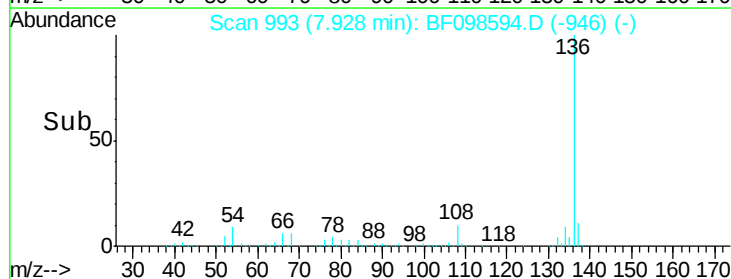
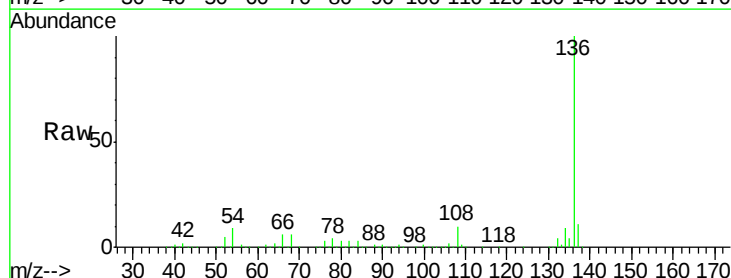
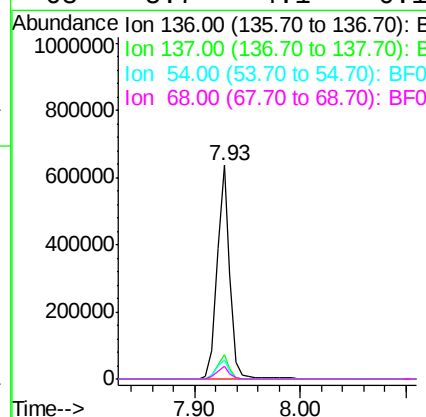
RT: 7.93 min Scan# 993

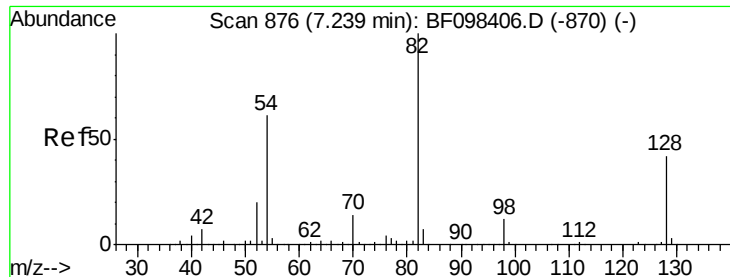
Delta R.T. -0.02 min

Lab File: BF098594.D

Acq: 16 Sep 2017 3:08

Tgt Ion:	136	Resp:	541414
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.5	12.7
54	8.9	4.9	7.3#
68	5.7	4.1	6.1





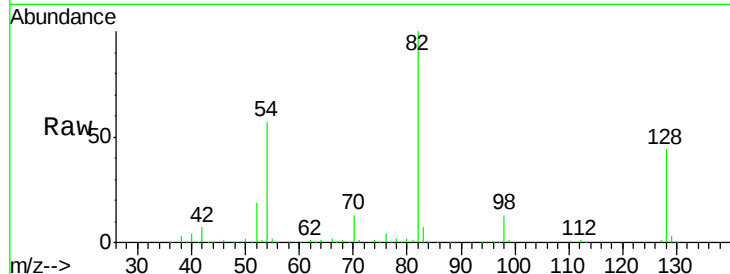
#23
Nitrobenzene-d5
Concen: 34.144 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.03 min
Lab File: BF098594.D
Acq: 16 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-OUTSIDE

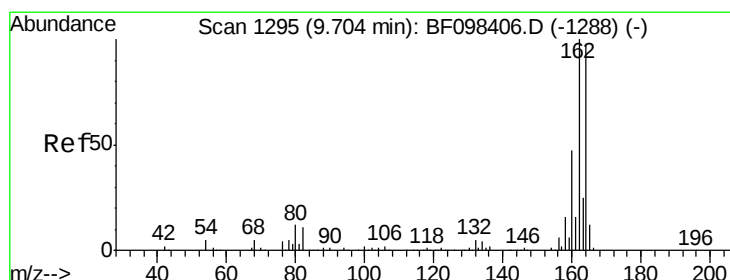
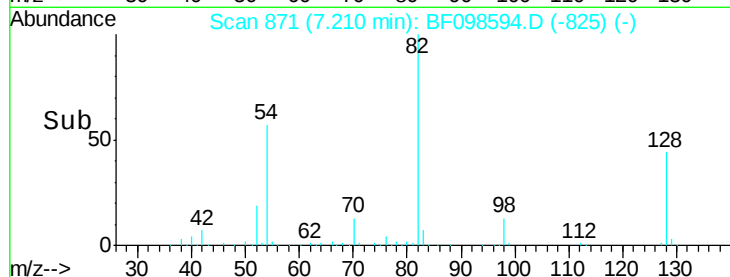
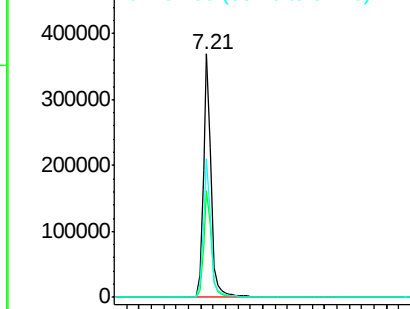
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	331590		
128	43.9	34.0	51.0	
54	57.1	42.2	63.2	

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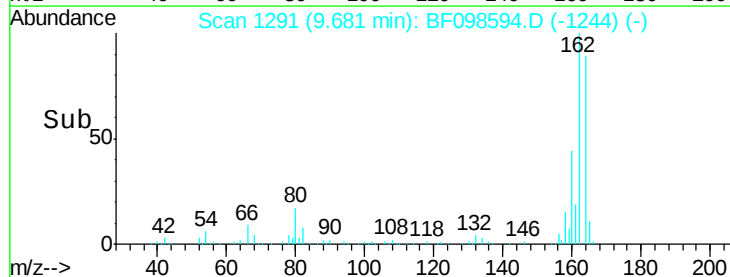
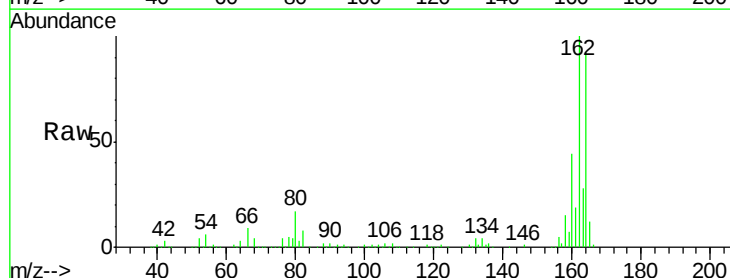
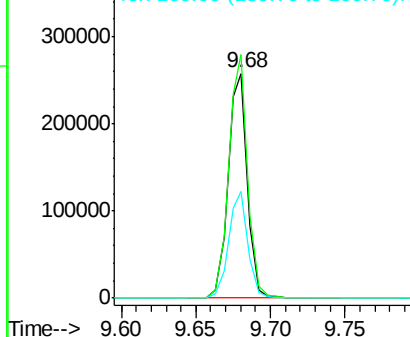
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

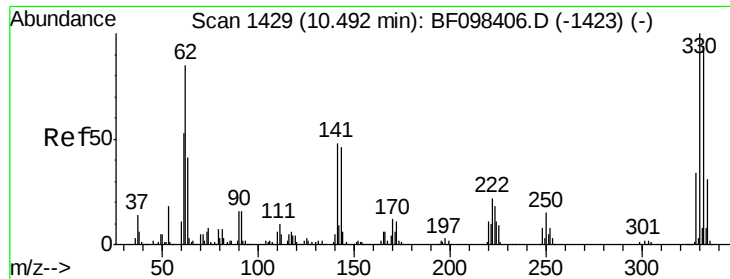


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF098594.D
Acq: 16 Sep 2017 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	236073		
162	108.3	82.6	123.8	
160	47.5	36.2	54.2	

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 62.390 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.02 min

Lab File: BF098594.D

Acq: 16 Sep 2017 3:08

Instrument :

BNA_F

ClientSampleId :

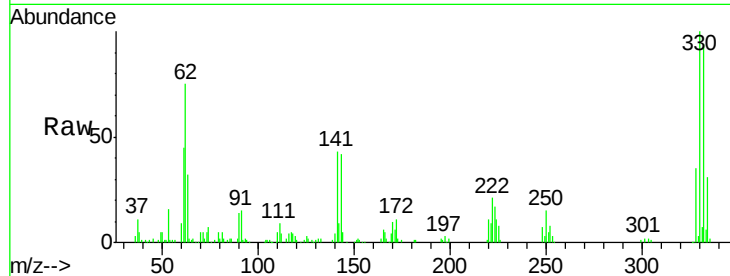
SOIL-STOCKPILE-OUTSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	98302		
332	96.4	76.6	115.0	
141	43.4	31.4	47.2	

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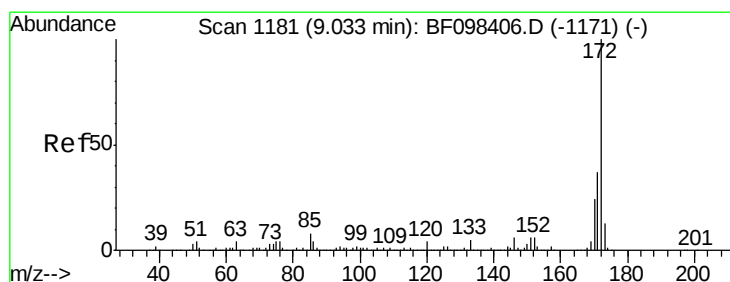
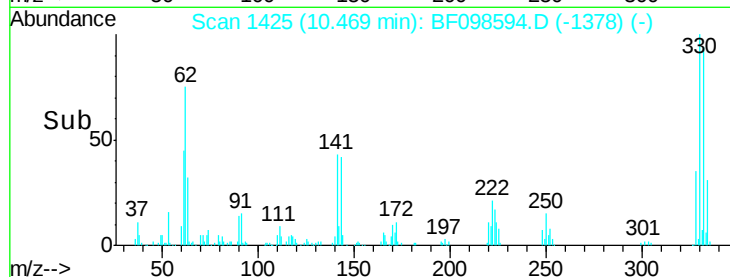
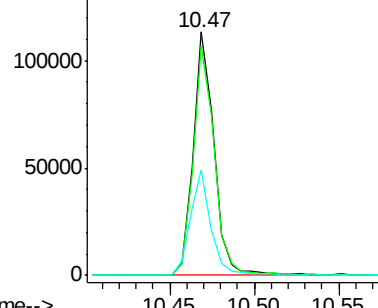


Abundance

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



#44

2-Fluorobiphenyl

Concen: 36.683 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.03 min

Lab File: BF098594.D

Acq: 16 Sep 2017 3:08

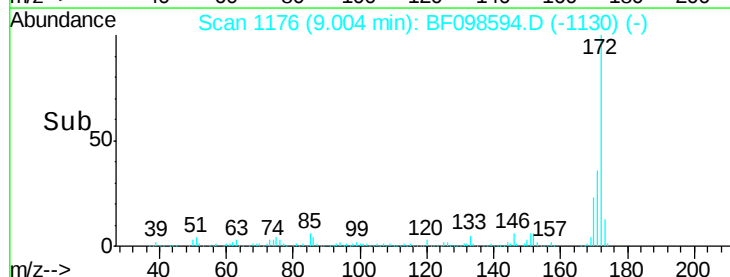
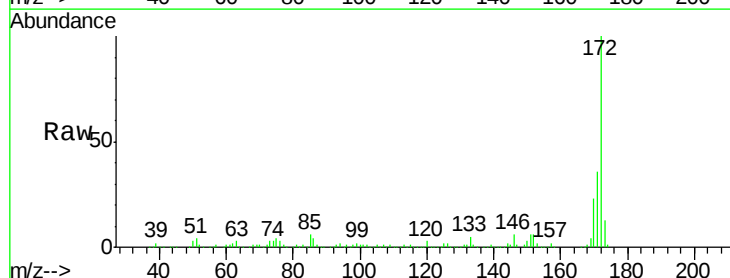
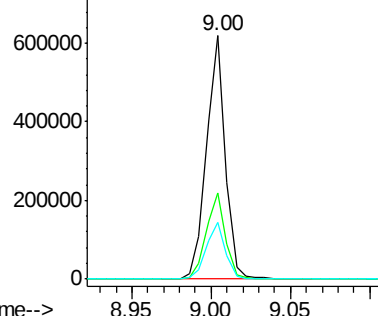
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	510929		
171	35.7	29.6	44.4	
170	23.3	19.8	29.8	

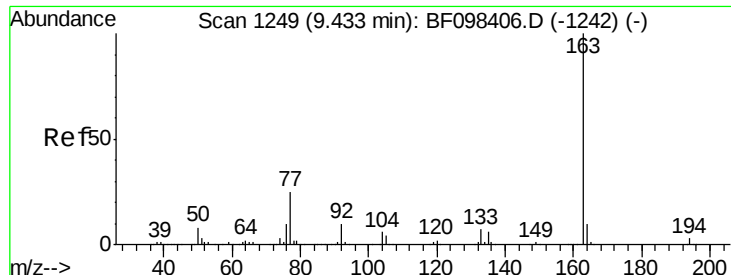
Abundance

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





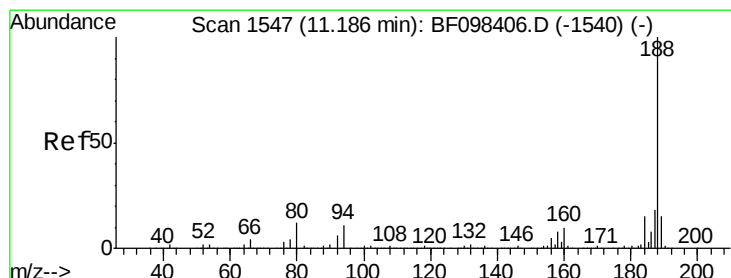
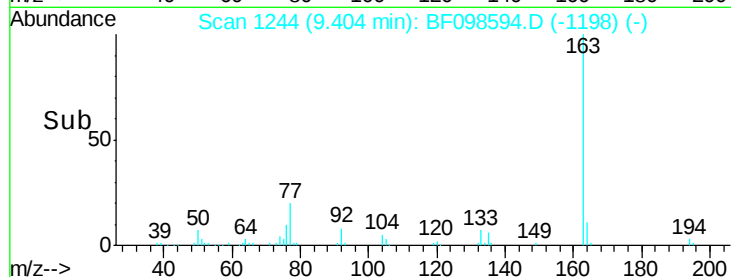
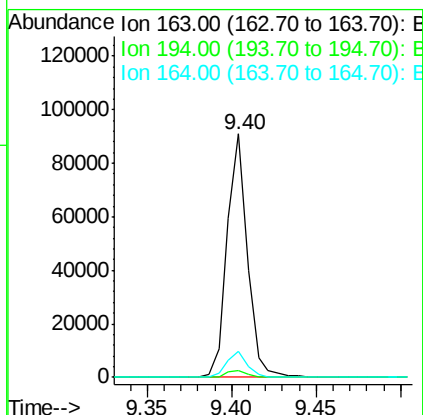
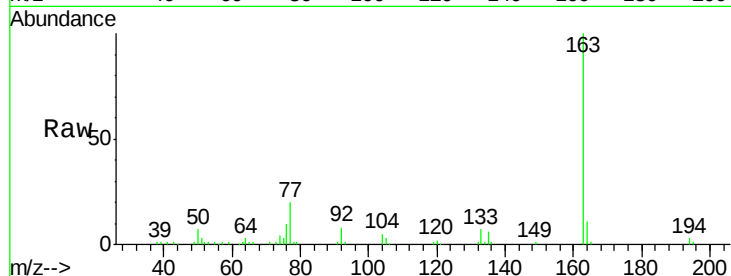
#49
Dimethylphthalate
Concen: 4.166 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098594.D
Acq: 16 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-OUTSIDE

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.0	2.6	4.0
164	10.8	8.4	12.6

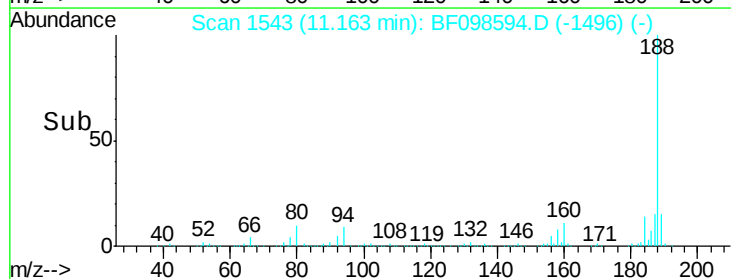
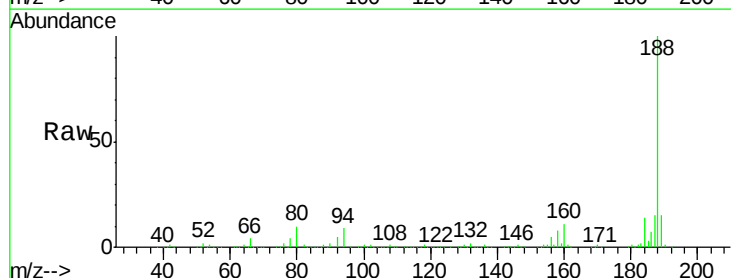
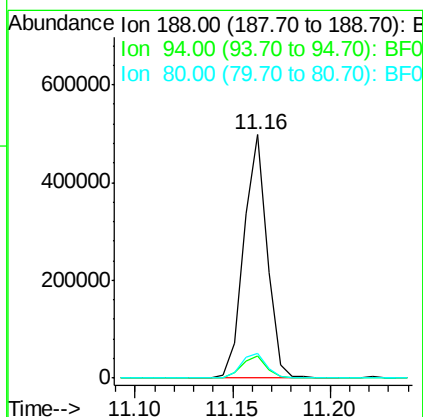
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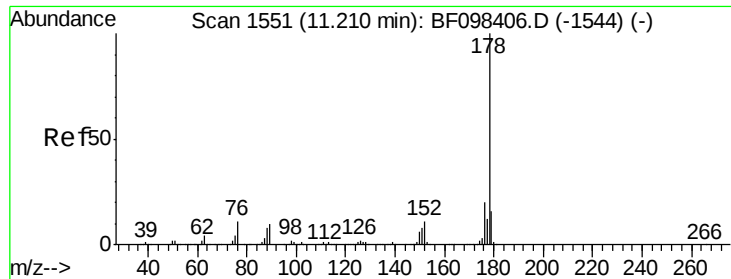
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF098594.D
Acq: 16 Sep 2017 3:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.3	9.4	14.2#
80	10.0	10.2	15.2#





#70

Phenanthrene

Concen: 2.805 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF098594.D

Acq: 16 Sep 2017 3:08

Instrument :

BNA_F

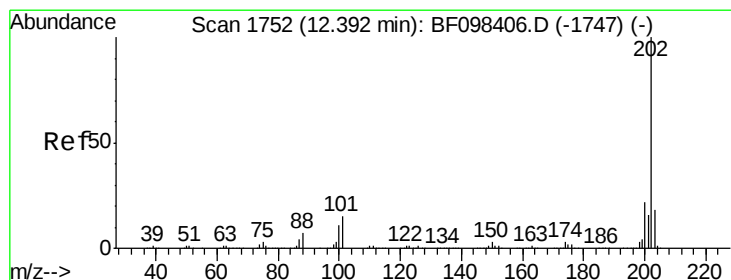
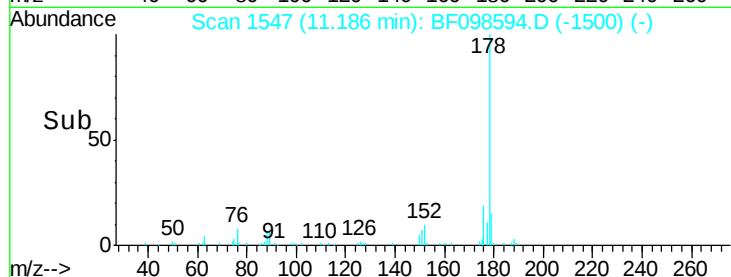
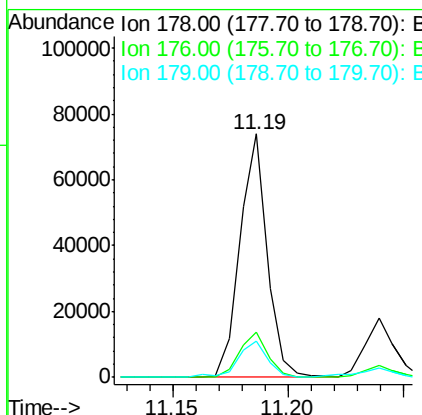
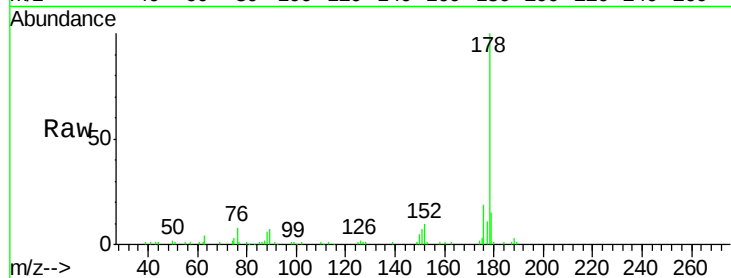
ClientSampleId :

SOIL-STOCKPILE-OUTSIDE

Tgt Ion:	178	Resp:	61161
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.2	24.4
179	15.0	12.6	19.0

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#74

Fluoranthene

Concen: 5.460 ng

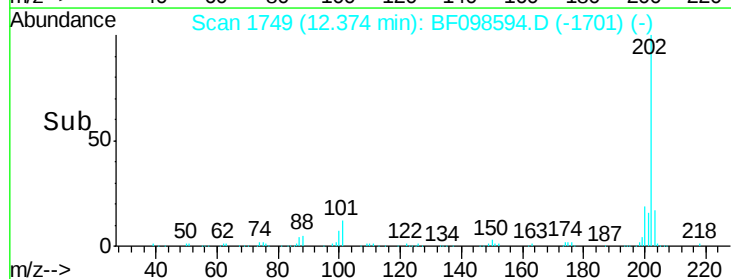
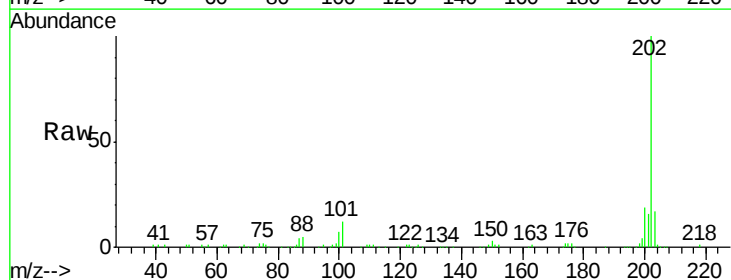
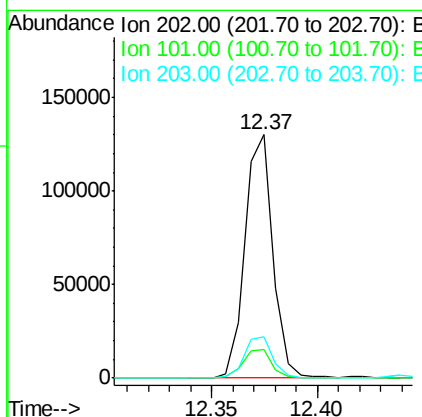
RT: 12.37 min Scan# 1749

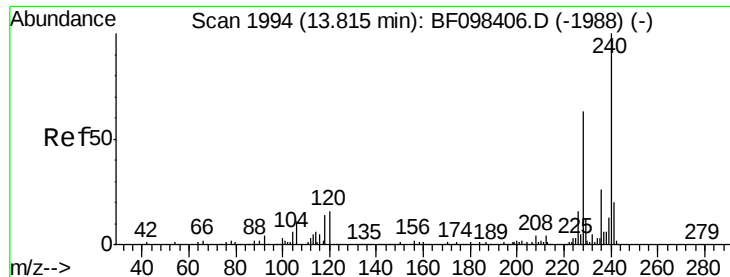
Delta R.T. -0.02 min

Lab File: BF098594.D

Acq: 16 Sep 2017 3:08

Tgt Ion:	202	Resp:	119197
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.02 min

Lab File: BF098594.D

Acq: 16 Sep 2017 3:08

Instrument :

BNA_F

ClientSampleId :

SOIL-STOCKPILE-OUTSIDE

Tgt Ion: 240 Resp: 291307

Ion Ratio Lower Upper

240 100

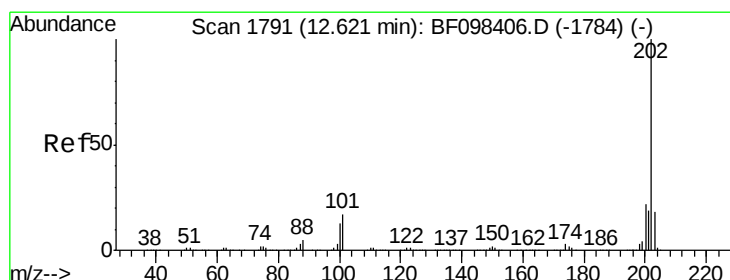
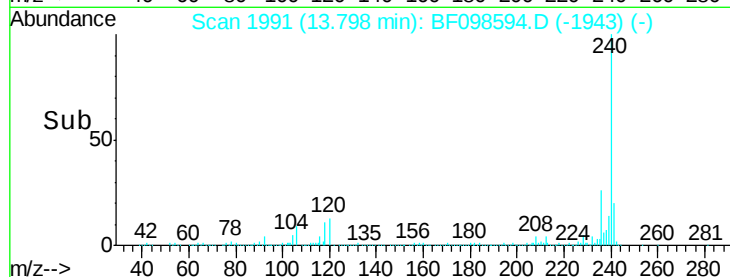
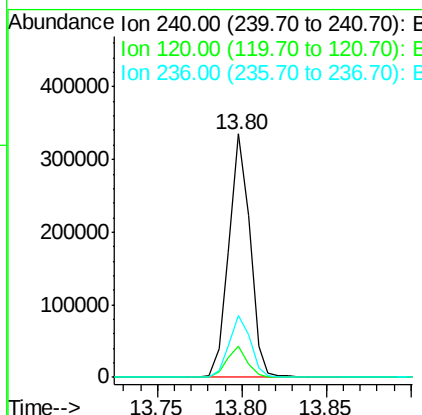
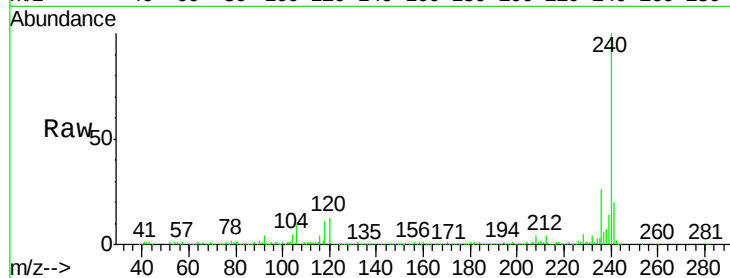
120 13.0 5.8 8.8#

236 25.7 20.5 30.7

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#77

Pyrene

Concen: 4.581 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF098594.D

Acq: 16 Sep 2017 3:08

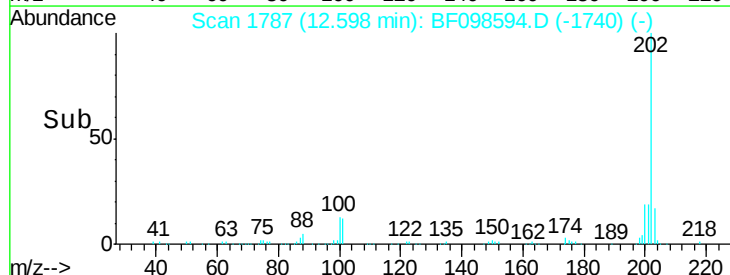
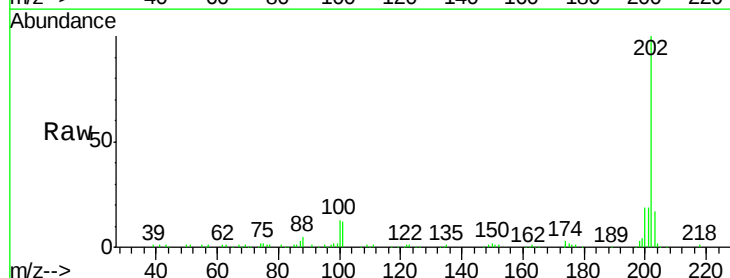
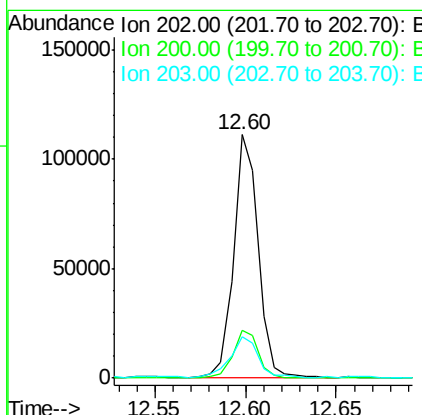
Tgt Ion: 202 Resp: 105277

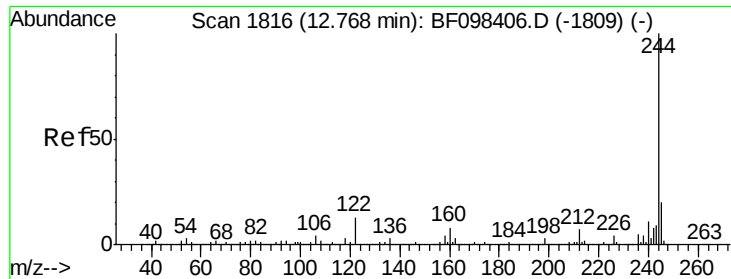
Ion Ratio Lower Upper

202 100

200 19.5 17.6 26.4

203 17.0 14.4 21.6





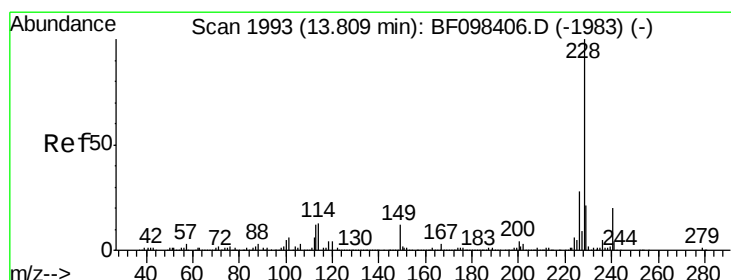
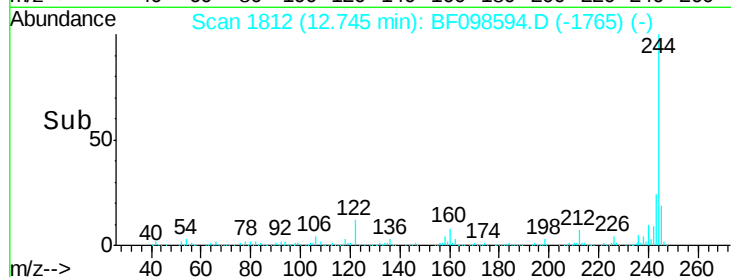
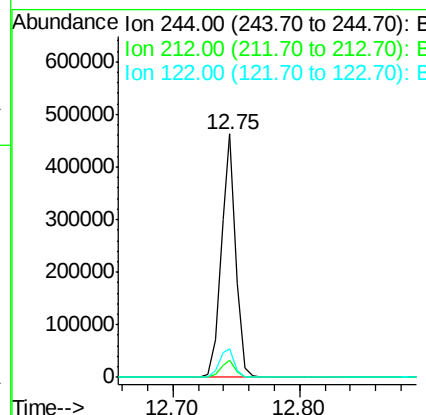
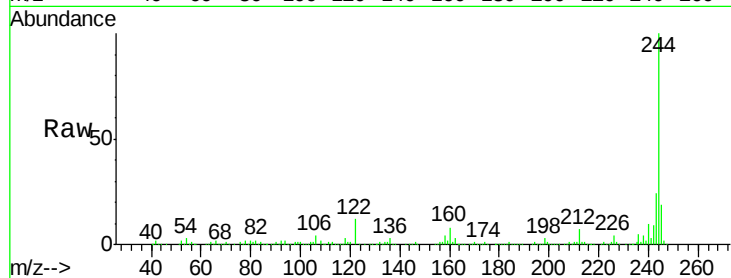
#78
 Terphenyl-d14
 Concen: 27.327 ng
 RT: 12.75 min Scan# 1812
 Delta R.T. -0.02 min
 Lab File: BF098594.D
 Acq: 16 Sep 2017 3:08

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-STOCKPILE-OUTSIDE

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.2	6.0	9.0	
122	11.9	10.3	15.5	

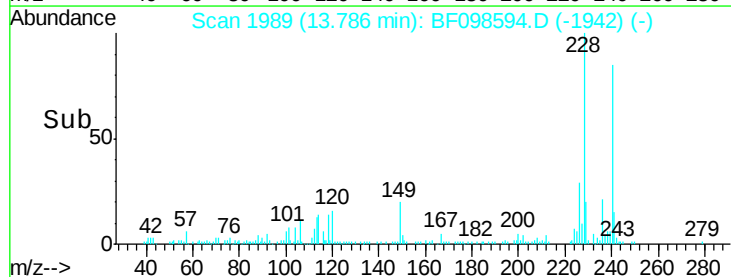
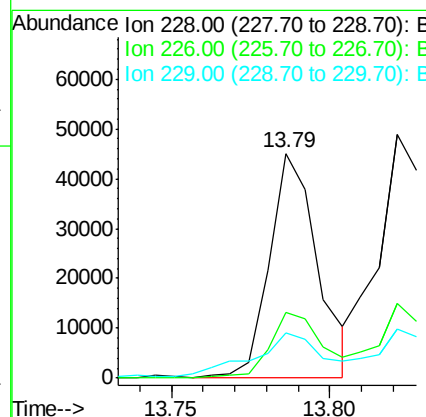
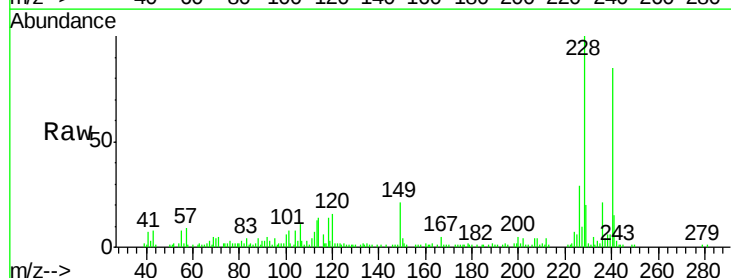
Manual Integrations
 APPROVED

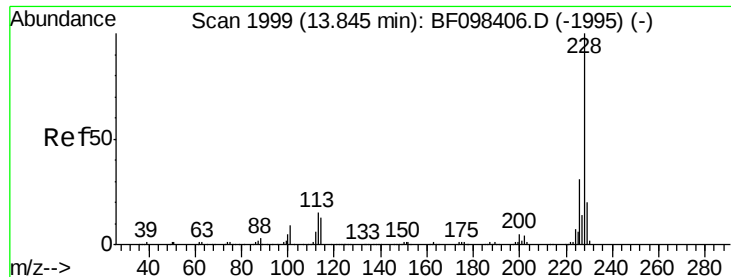
Sohil
 9/18/2017 3:34:01 PM



#80
 Benzo(a)anthracene
 Concen: 2.789 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. -0.02 min
 Lab File: BF098594.D
 Acq: 16 Sep 2017 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.1	22.6	33.8	
229	20.3	16.3	24.5	





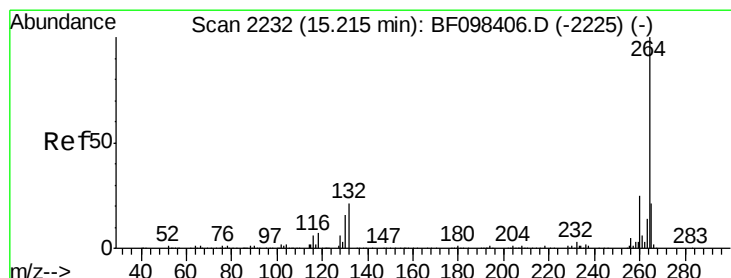
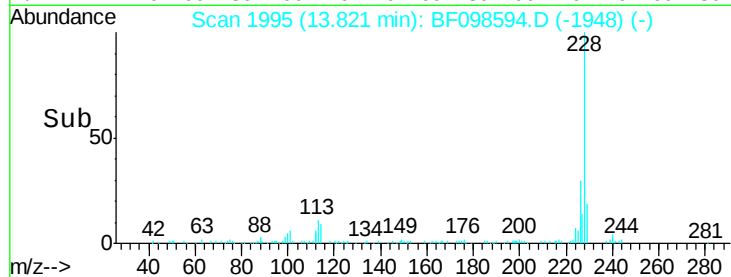
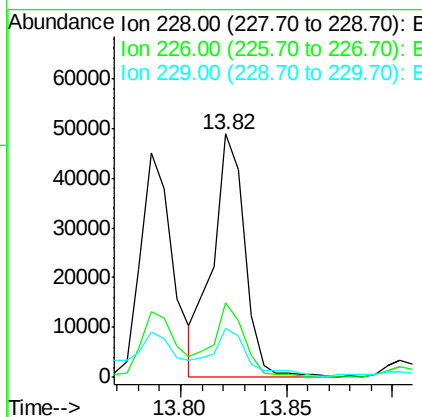
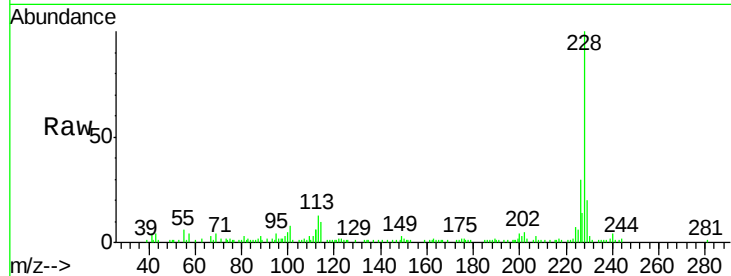
#82
Chrysene
Concen: 3.007 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF098594.D
Acq: 16 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :
SOIL-STOCKPILE-OUTSIDE

Tgt Ion:	228	Resp:	51919
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.9	37.3
229	20.2	15.8	23.6

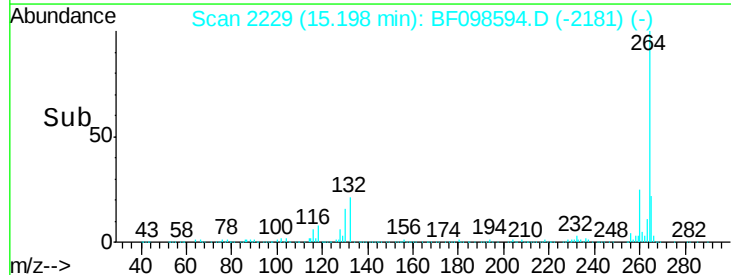
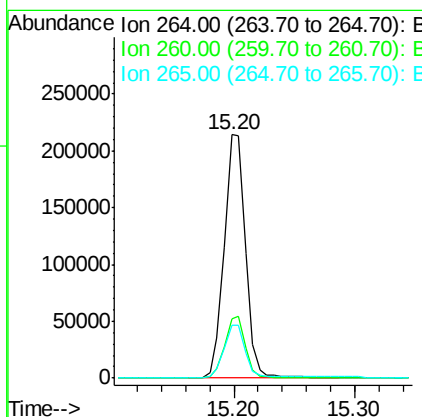
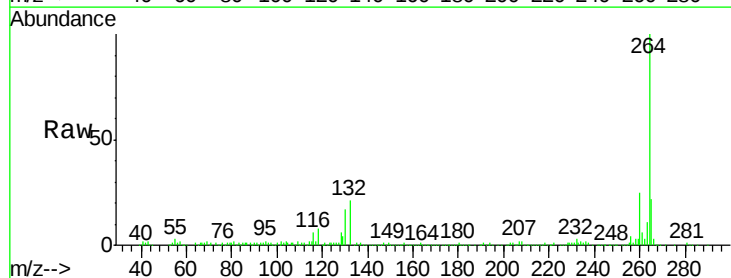
Manual Integrations
APPROVED

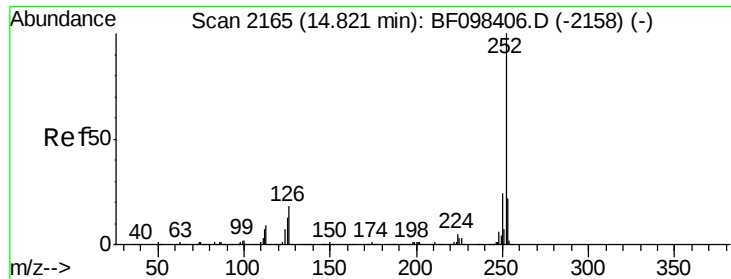
Sohil
9/18/2017 3:34:01 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF098594.D
Acq: 16 Sep 2017 3:08

Tgt Ion:	264	Resp:	262318
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 3.977 ng m

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF098594.D

Acq: 16 Sep 2017 3:08

Instrument :

BNA_F

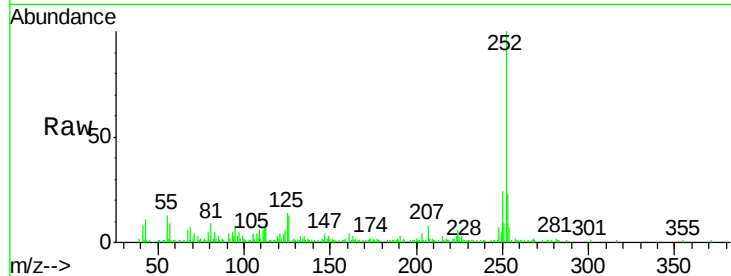
ClientSampleId :

SOIL-STOCKPILE-OUTSIDE

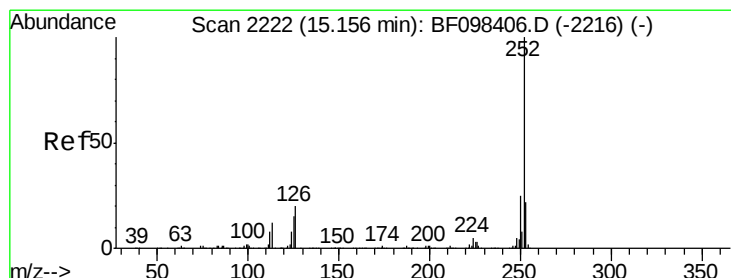
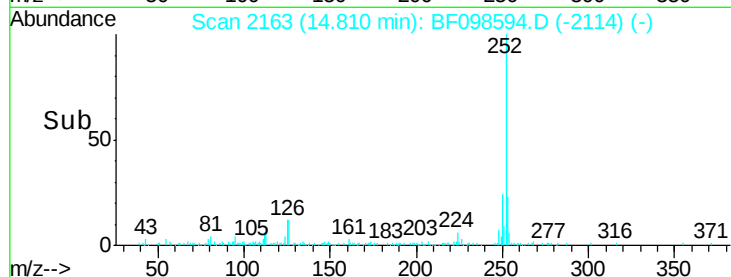
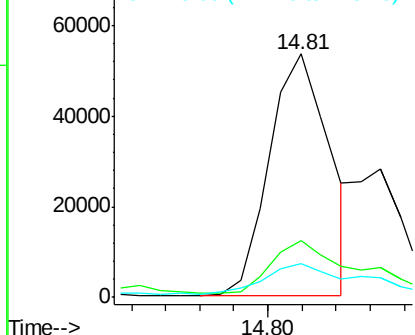
Tgt Ion:	252	Resp:	65601
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	13.9	9.8	14.8

Manual Integrations
APPROVED

Sohil
9/18/2017 3:34:01 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.794 ng

RT: 15.14 min Scan# 2220

Delta R.T. -0.01 min

Lab File: BF098594.D

Acq: 16 Sep 2017 3:08

Tgt Ion:	252	Resp:	41061
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.5	26.3
125	13.3	11.0	16.4

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

