

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097367.D
 Acq On : 4 Aug 2017 20:35
 Operator : SJ/JU
 Sample : I4591-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILE

Manual Integrations
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Sohil
 8/7/2017 6:09:59 PM

Quant Time: Aug 05 00:40:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	116218	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	469285	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	186073	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	288445	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	216298	20.00	ng	-0.08
86) Perylene-d12	14.89	264	181122	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	781759	101.40	ng	-0.06
7) Phenol-d6	6.12	99	893208	101.49	ng	-0.05
23) Nitrobenzene-d5	7.01	82	509040	63.63	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	127206	86.53	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	773429	70.54	ng	-0.07
78) Terphenyl-d14	12.51	244	465649	43.89	ng	-0.08
Target Compounds						
10) Phenol	6.13	94	39418	3.776	ng	Qvalue 93
49) Dimethylphthalate	9.20	163	163472	11.569	ng	98
70) Phenanthrene	10.96	178	52325	3.386	ng	99
74) Fluoranthene	12.13	202	86447	5.710	ng	98
77) Pyrene	12.36	202	86043	4.859	ng	97
80) Benzo(a)anthracene	13.54	228	41259	2.948	ng	97
82) Chrysene	13.58	228	44847	3.282	ng	96
87) Benzo(b)fluoranthene	14.54	252	51300m	4.712	ng	
89) Benzo(a)pyrene	14.84	252	33456	3.357	ng	# 84
91) Benzo(g,h,i)perylene	16.46	276	17508	2.043	ng	94

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

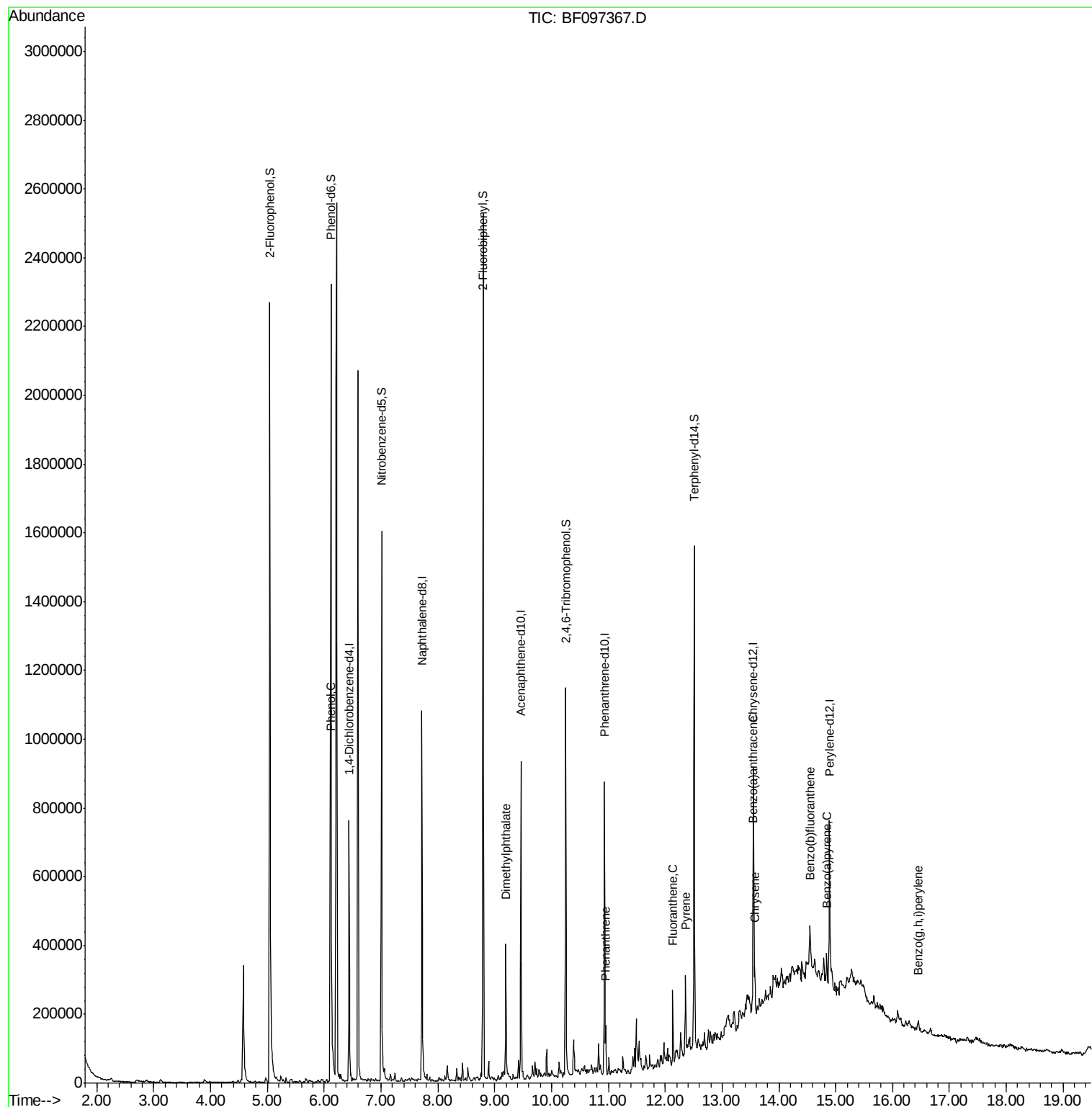
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
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ALS Vial : 17 Sample Multiplier: 1

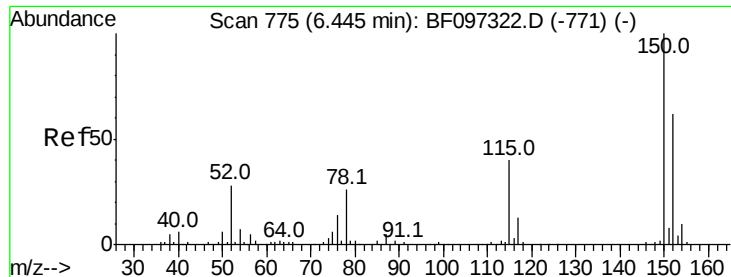
Instrument :
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#1

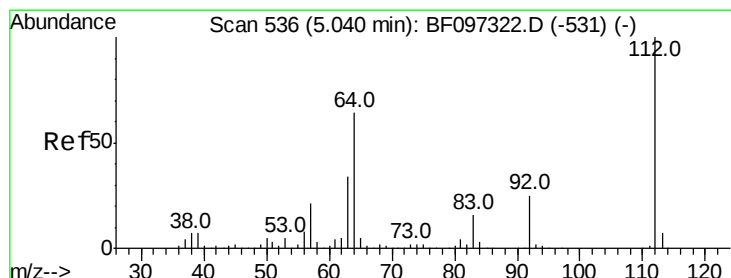
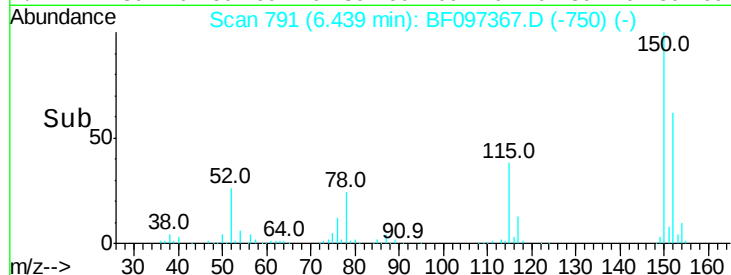
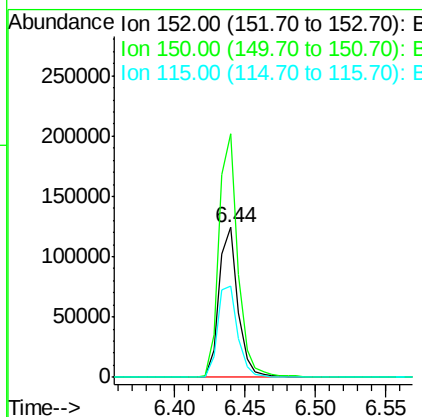
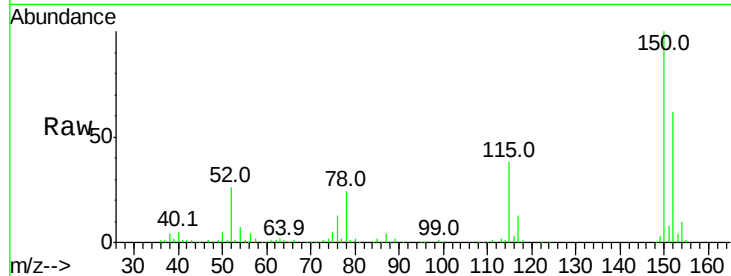
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.5	126.2	189.2
115	61.0	52.2	78.2

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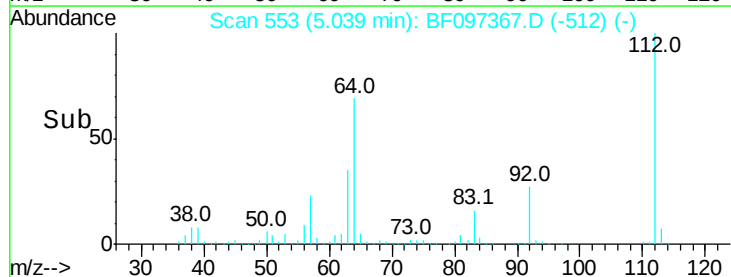
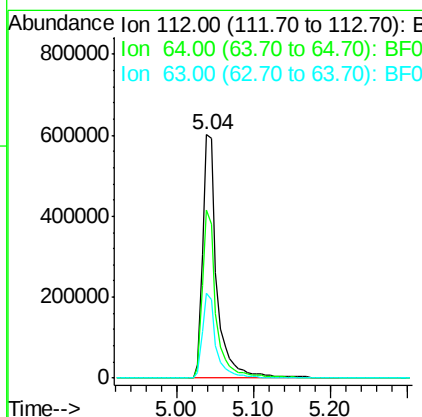
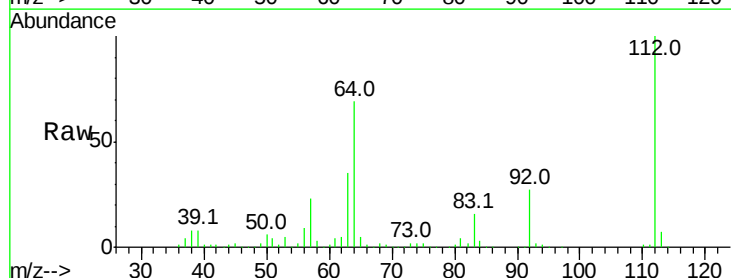
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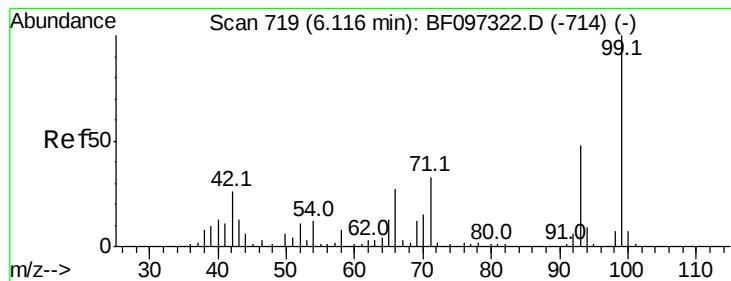


#5

2-Fluorophenol
Concen: 101.404 ng
RT: 5.04 min Scan# 553
Delta R.T. -0.06 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.8	46.0	69.0
63	34.9	23.4	35.0





#7

Phenol-d6

Concen: 101.487 ng

RT: 6.12 min Scan# 736

Delta R.T. -0.05 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

Instrument :

BNA_F

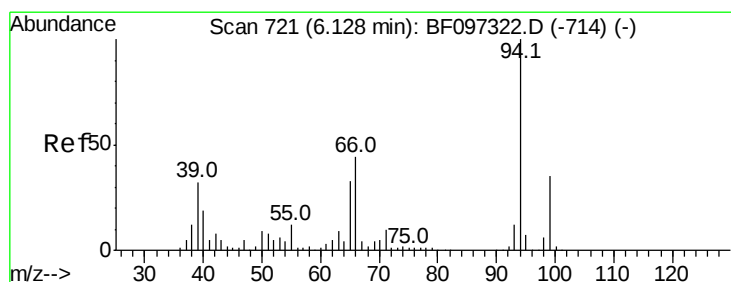
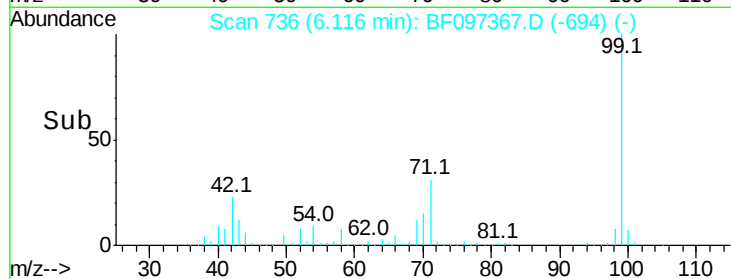
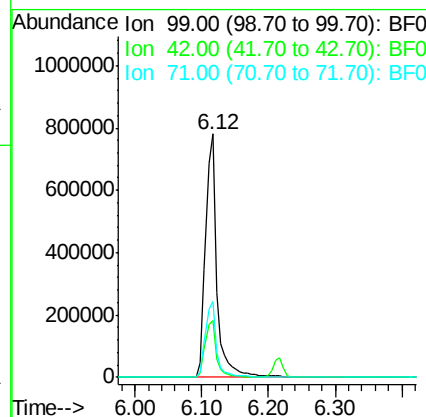
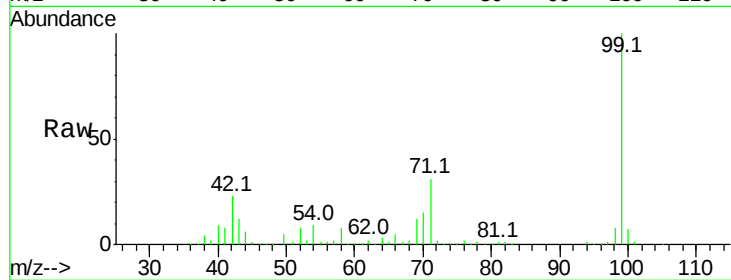
ClientSampleId :

GRAVEL-PILE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		893208		
42	23.3	13.5	20.3#		
71	31.4	24.5	36.7		

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#10

Phenol

Concen: 3.776 ng

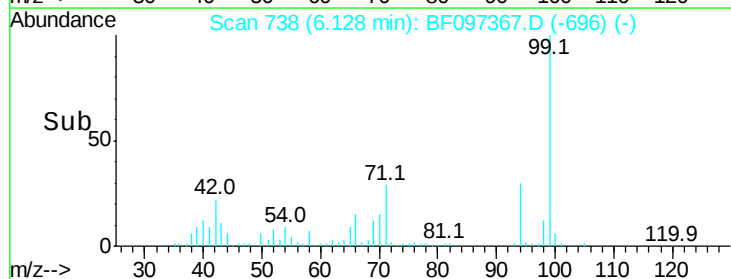
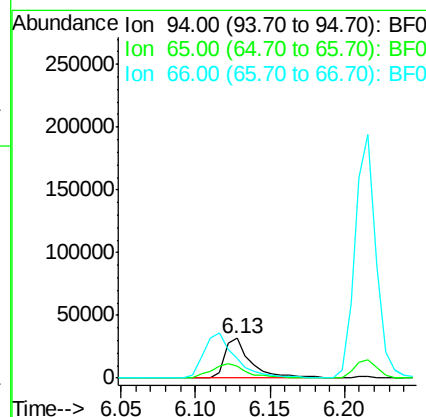
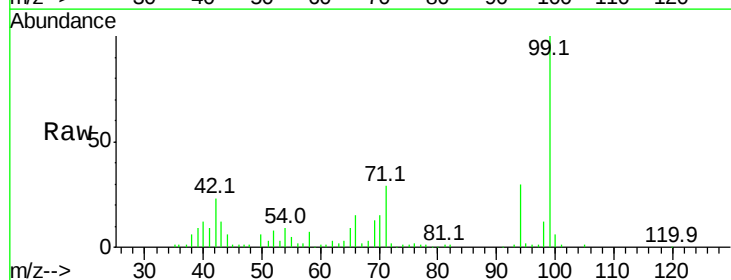
RT: 6.13 min Scan# 738

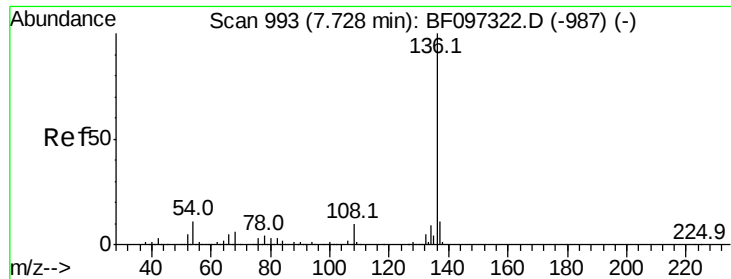
Delta R.T. -0.05 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		39418		
65	29.5	9.9	49.9		
66	50.4	23.1	63.1		





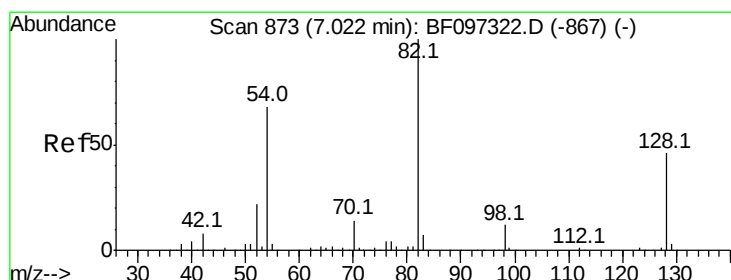
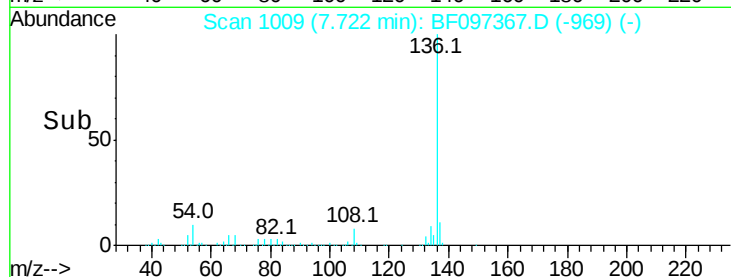
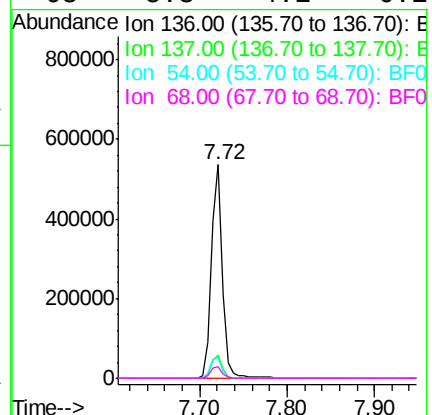
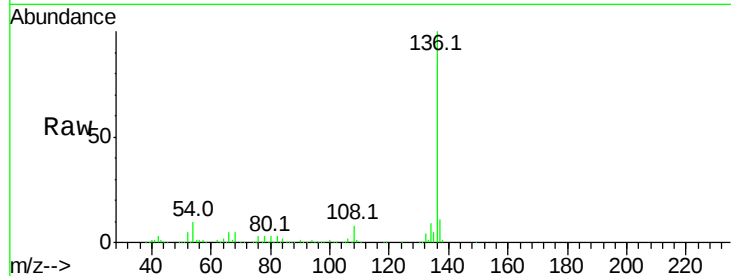
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

Tot Ion	Ratio	Resp	Lower	Upper
136	100	469285		
137	10.6	8.5	12.7	
54	9.6	4.9	7.3	
68	5.3	4.1	6.1	

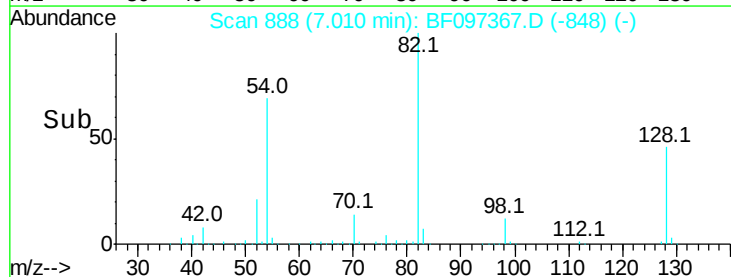
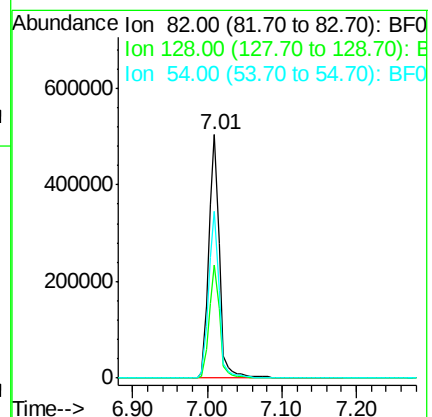
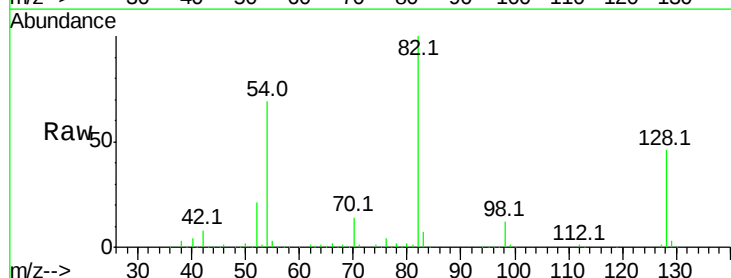
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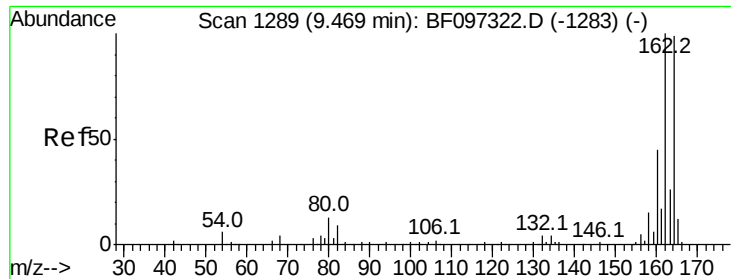
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#23
Nitrobenzene-d5
Concen: 63.634 ng
RT: 7.01 min Scan# 888
Delta R.T. -0.06 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	509040		
128	46.2	34.0	51.0	
54	68.7	42.2	63.2	





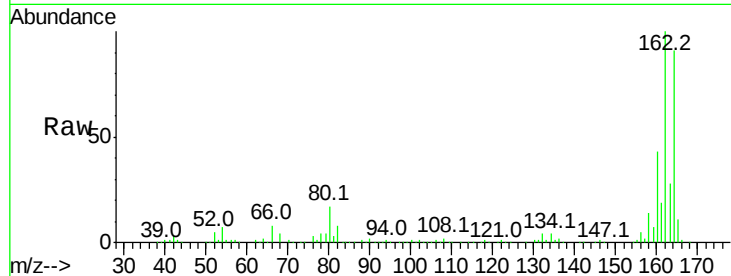
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.46 min Scan# 1305
 Delta R.T. -0.07 min
 Lab File: BF097367.D
 Acq: 4 Aug 2017 20:35

Instrument :
 BNA_F
 ClientSampleId :
 GRAVEL-PILE

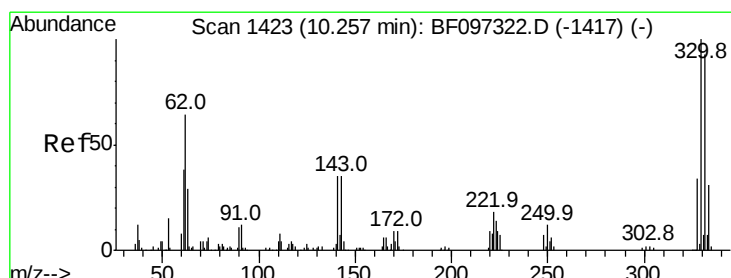
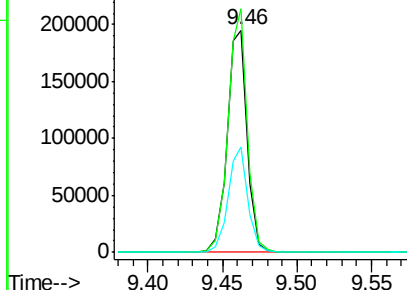
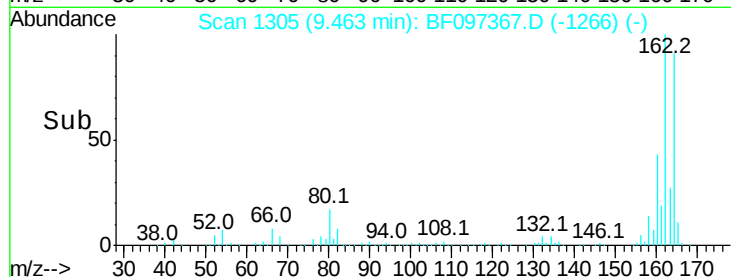
Tot Ion	Ratio	Lower	Upper
164	100		
162	109.5	82.6	123.8
160	47.4	36.2	54.2

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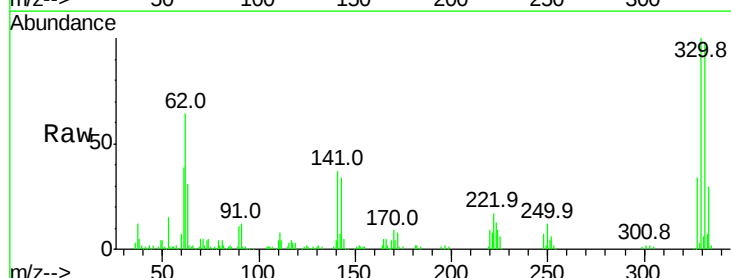


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

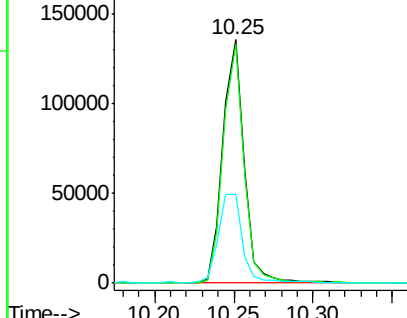
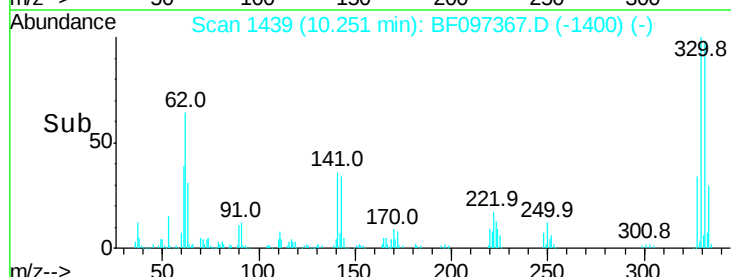


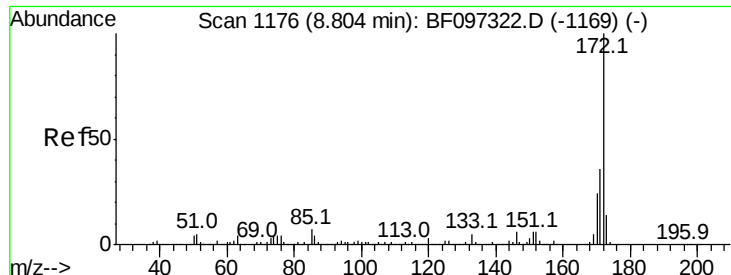
#41
 2,4,6-Tribromophenol
 Concen: 86.525 ng
 RT: 10.25 min Scan# 1439
 Delta R.T. -0.07 min
 Lab File: BF097367.D
 Acq: 4 Aug 2017 20:35

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	115.0
141	42.3	31.4	47.2



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





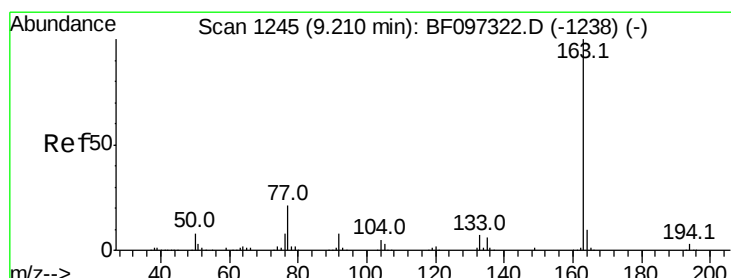
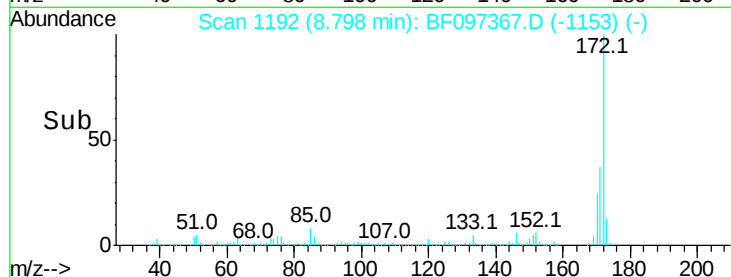
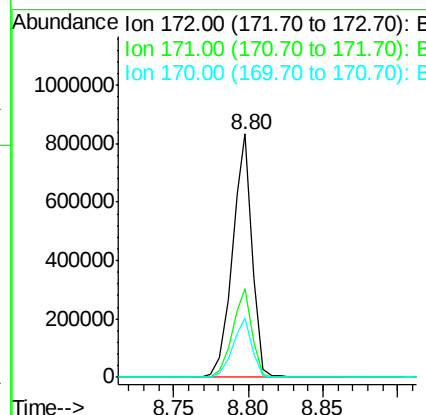
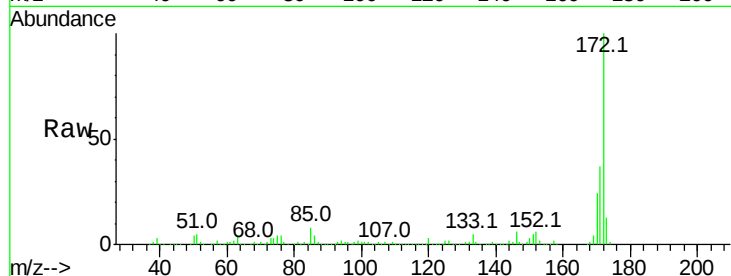
#44
2-Fluorobiphenyl
Concen: 70.541 ng
RT: 8.80 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.7	29.6	44.4	
170	24.4	19.8	29.8	

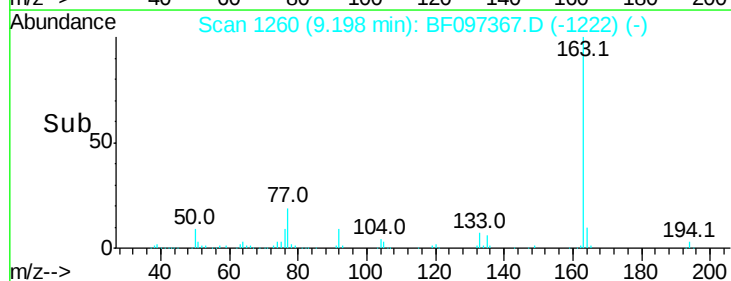
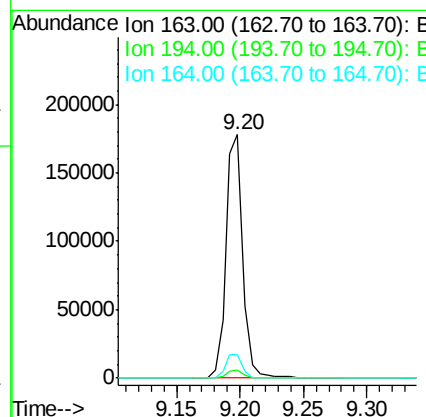
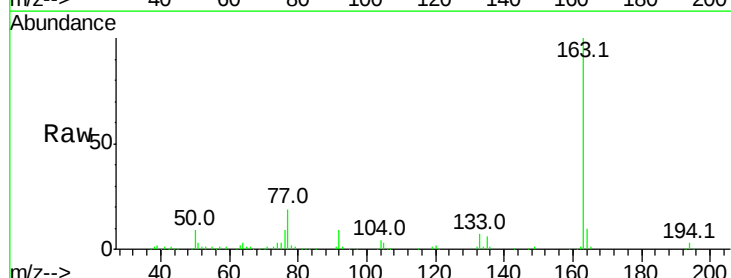
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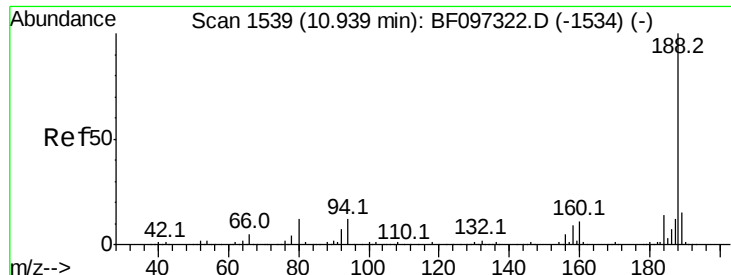
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#49
Dimethylphthalate
Concen: 11.569 ng
RT: 9.20 min Scan# 1260
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.6	4.0	
164	9.7	8.4	12.6	





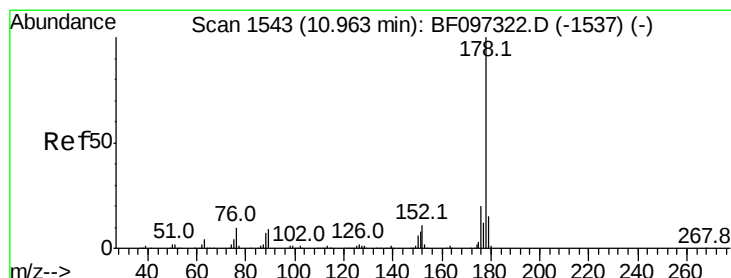
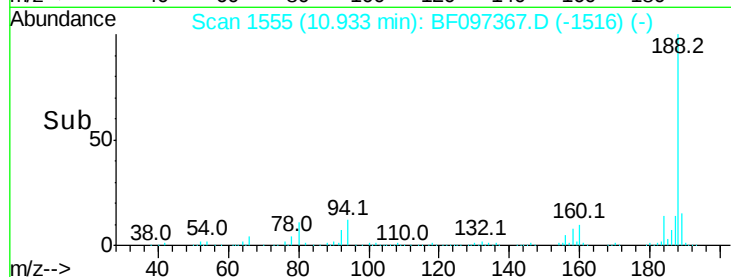
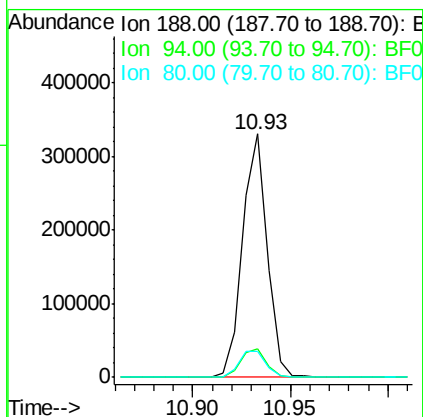
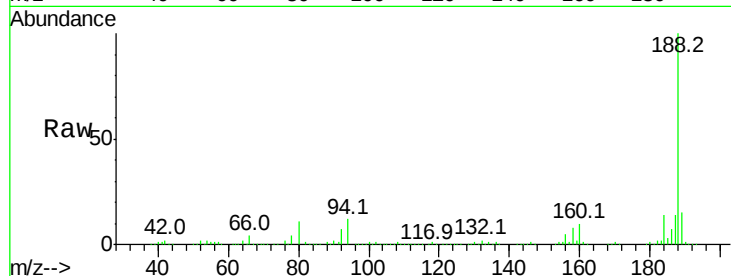
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.07 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	288445		
94	11.6		9.4	14.2
80	10.9		10.2	15.2

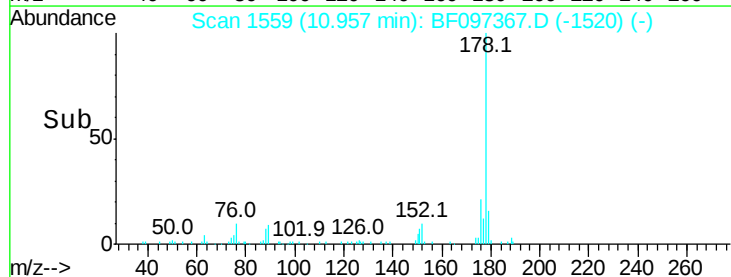
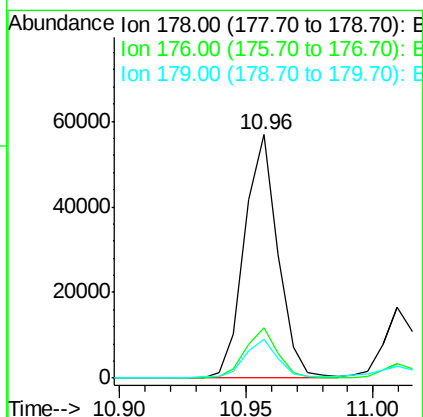
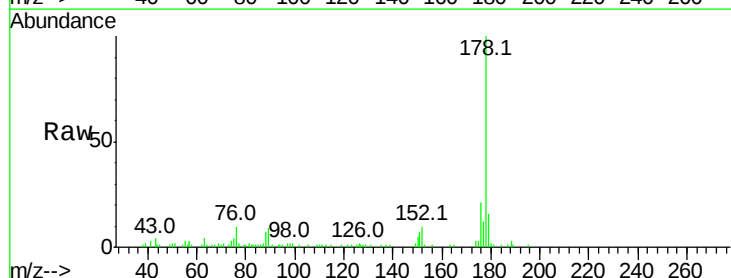
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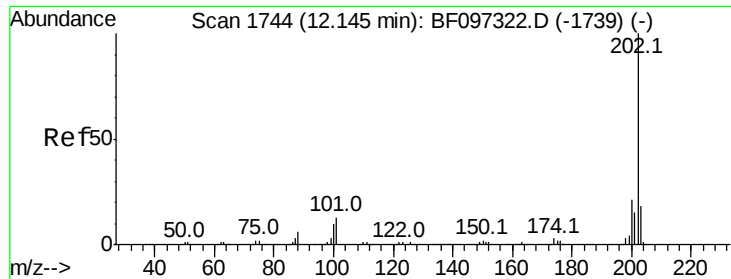
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#70
Phenanthrene
Concen: 3.386 ng
RT: 10.96 min Scan# 1559
Delta R.T. -0.07 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	52325		
176	20.5		16.2	24.4
179	16.1		12.6	19.0





#74

Fluoranthene

Concen: 5.710 ng

RT: 12.13 min Scan# 1759

Delta R.T. -0.08 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

Instrument :

BNA_F

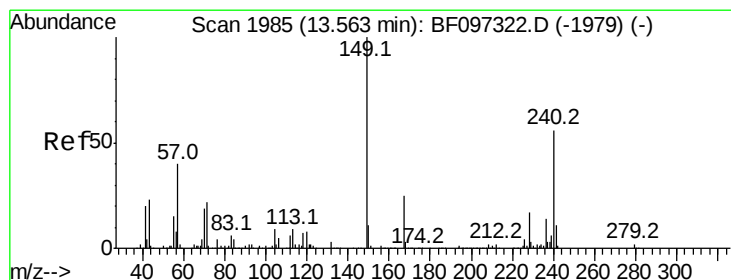
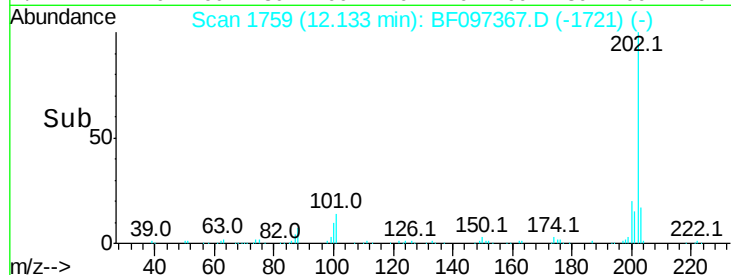
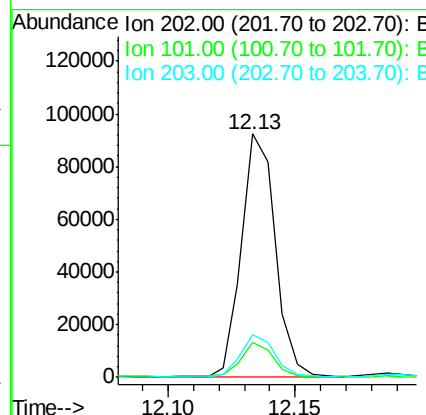
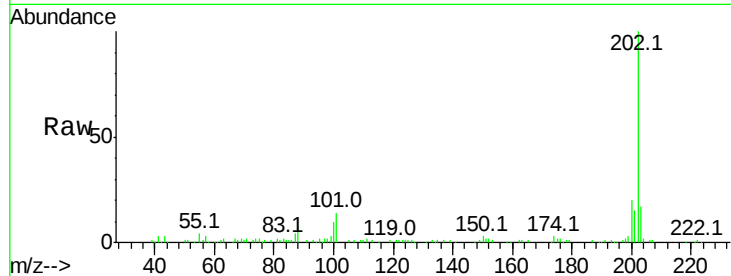
ClientSampleId :

GRAVEL-PILE

Tot Ion:	202	Resp:	86447
Ion Ratio	Lower	Upper	
202	100		
101	14.2	0.0	33.2
203	17.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

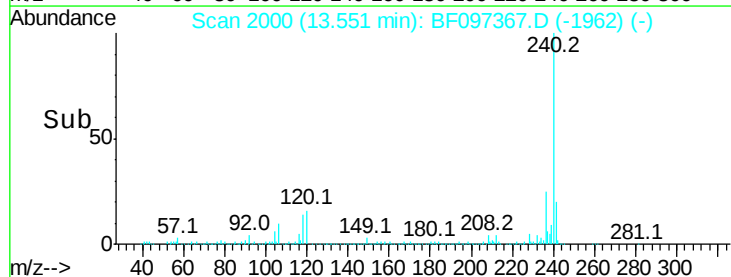
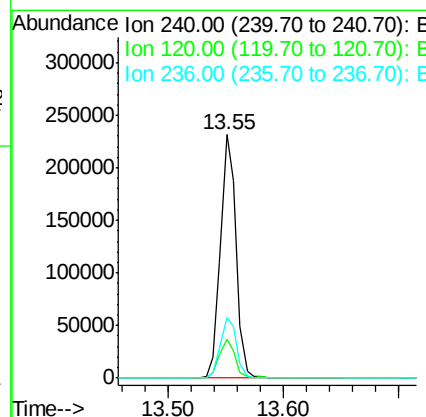
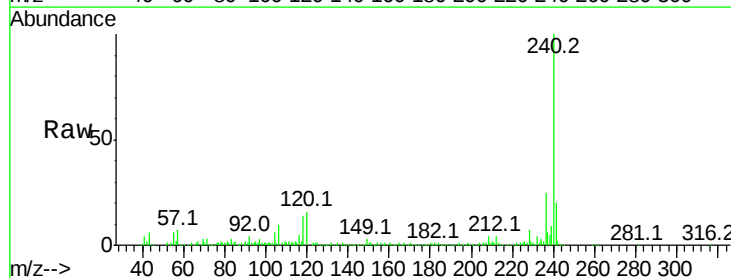
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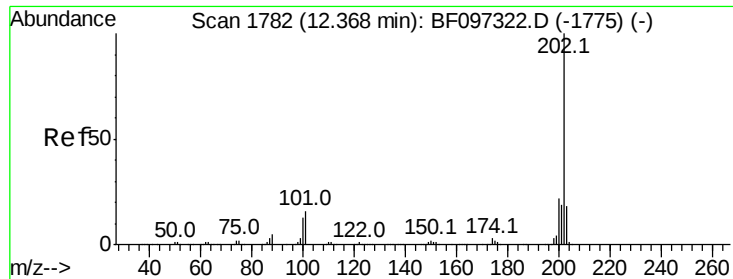
Delta R.T. -0.08 min

Lab File: BF097367.D

Acq: 4 Aug 2017 20:35

Tgt Ion:	240	Resp:	216298
Ion Ratio	Lower	Upper	
240	100		
120	16.2	5.8	8.8#
236	25.0	20.5	30.7





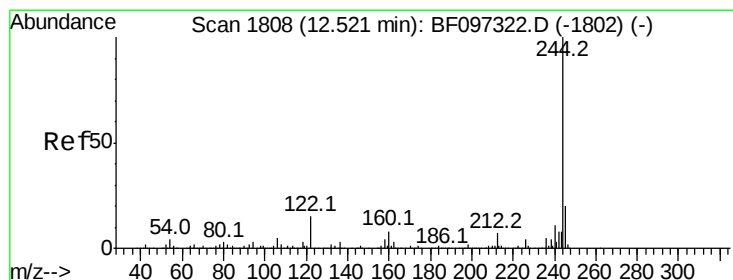
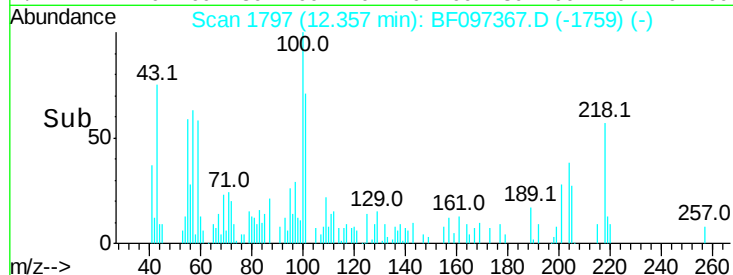
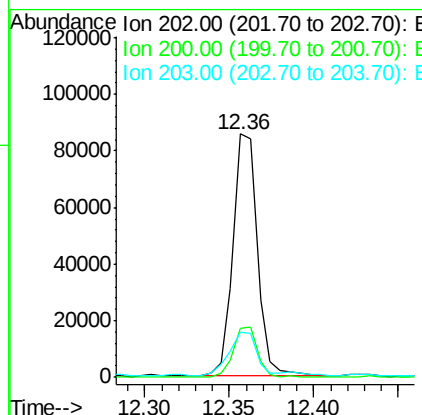
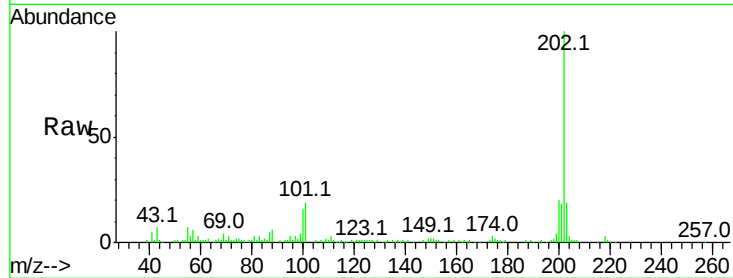
#77
Pvrene
Concen: 4.859 ng
RT: 12.36 min Scan# 1797
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.6	26.4
203	18.5	14.4	21.6

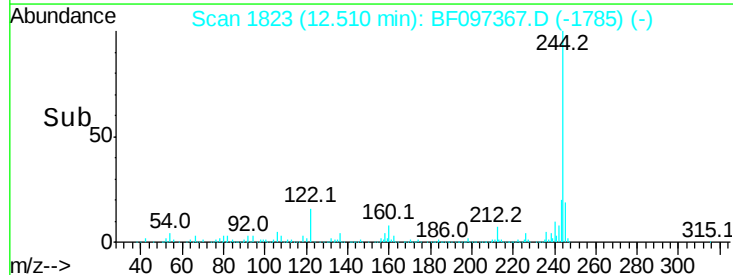
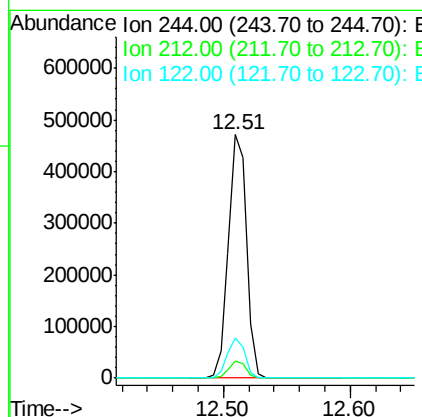
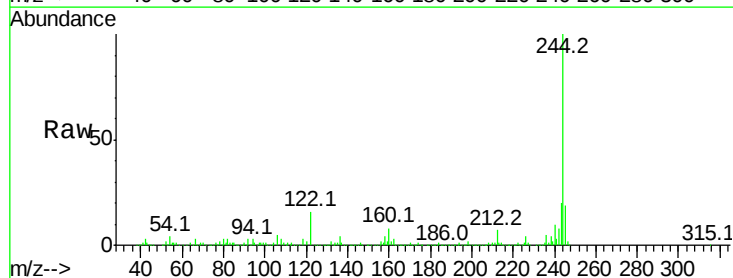
Manual Integrations
APPROVED

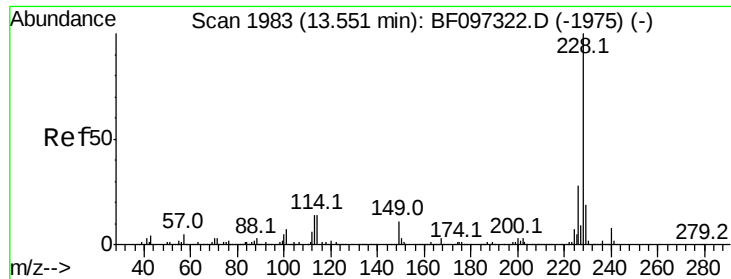
Sohil
8/7/2017 6:09:59 PM



#78
Terphenyl-d14
Concen: 43.893 ng
RT: 12.51 min Scan# 1823
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	16.3	10.3	15.5#





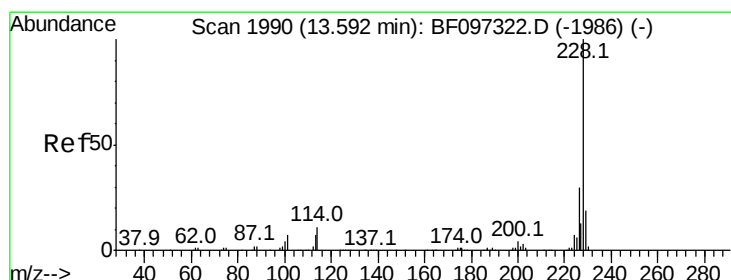
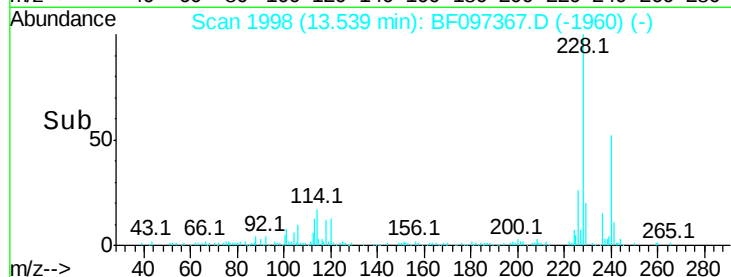
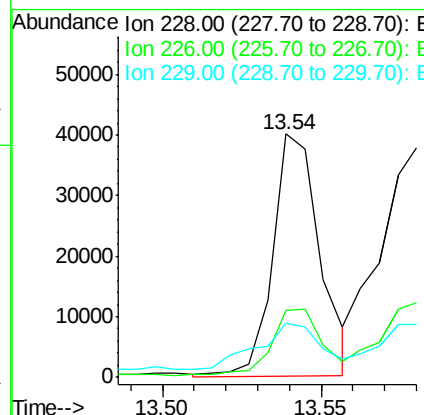
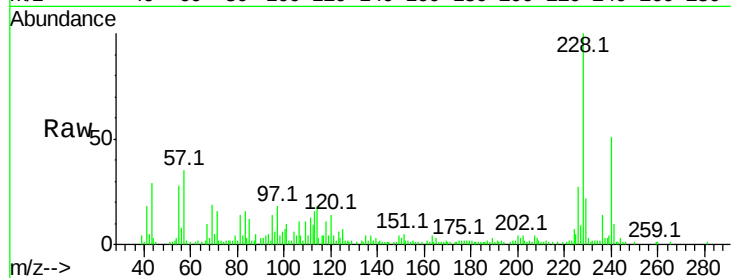
#80
Benzo(a)anthracene
Concen: 2.948 ng
RT: 13.54 min Scan# 1998
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	22.4	16.3	24.5

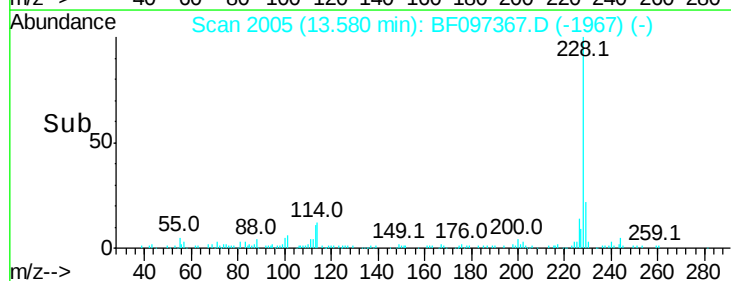
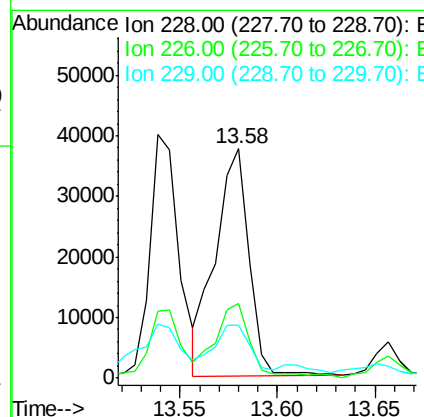
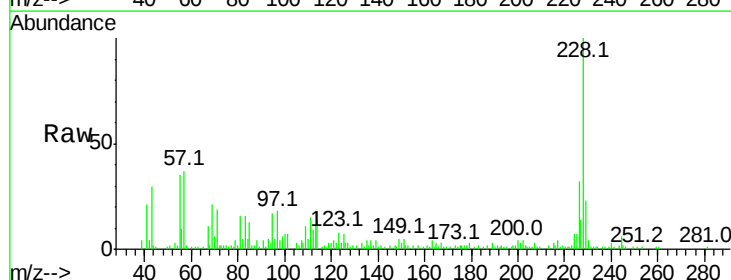
Manual Integrations
APPROVED

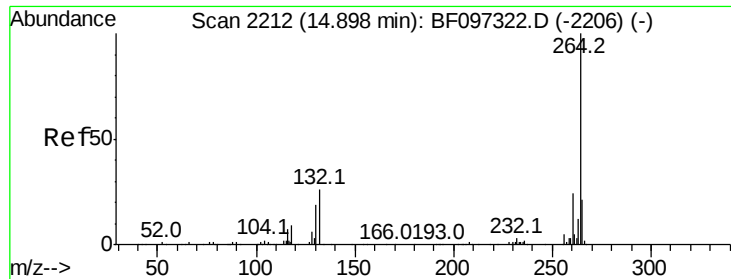
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#82
Chrysene
Concen: 3.282 ng
RT: 13.58 min Scan# 2005
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	24.9	37.3
229	23.1	15.8	23.6





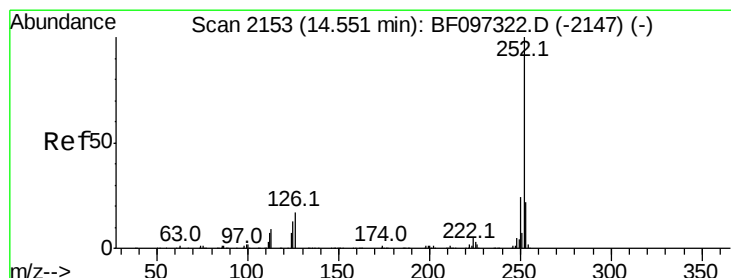
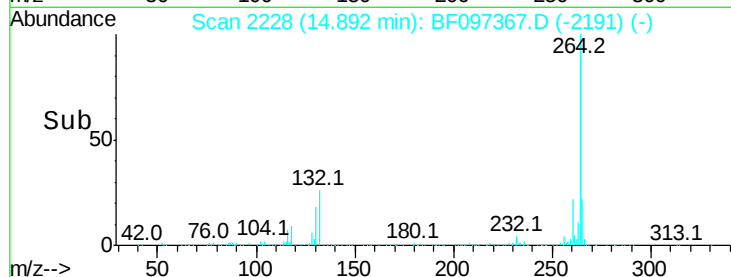
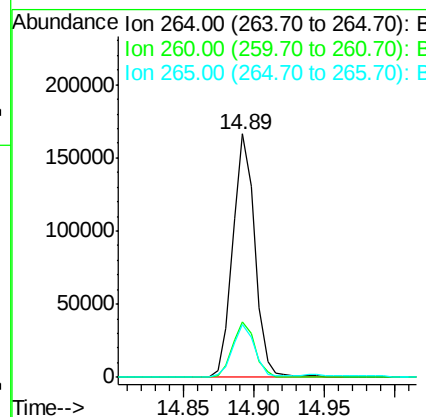
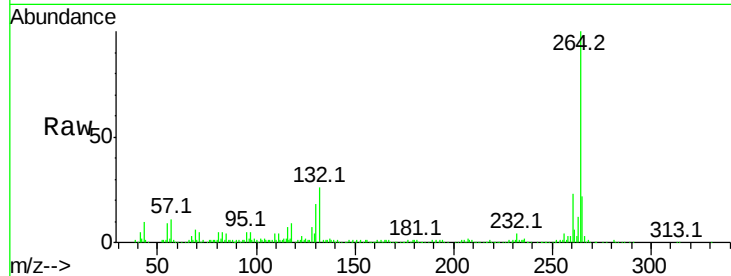
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.89 min Scan# 2228
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	22.0	17.2	25.8

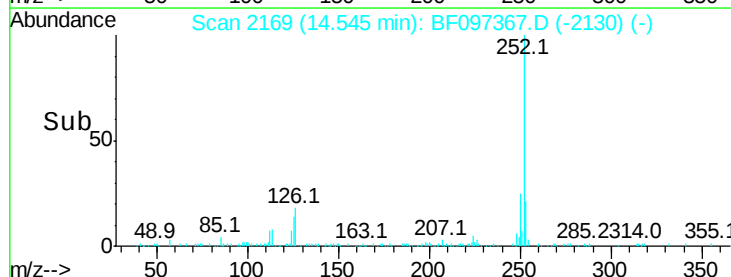
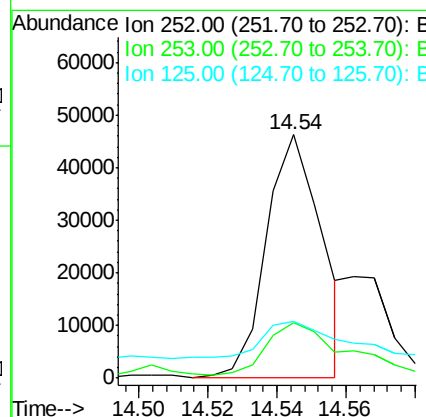
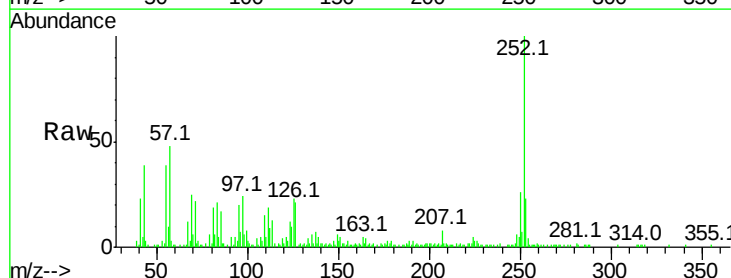
Manual Integrations
APPROVED

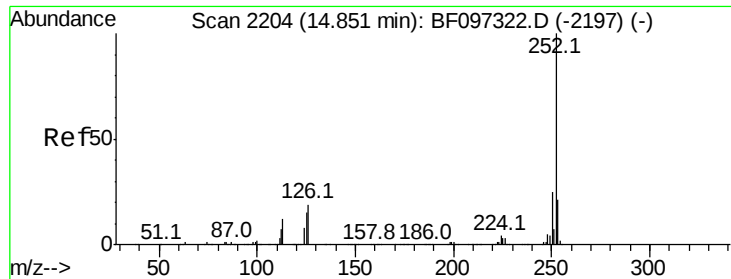
Sohil
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#87
Benzo(b)fluoranthene
Concen: 4.712 ng m
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	23.1	9.8	14.8#





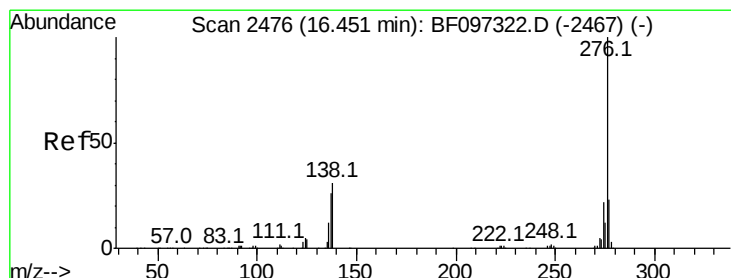
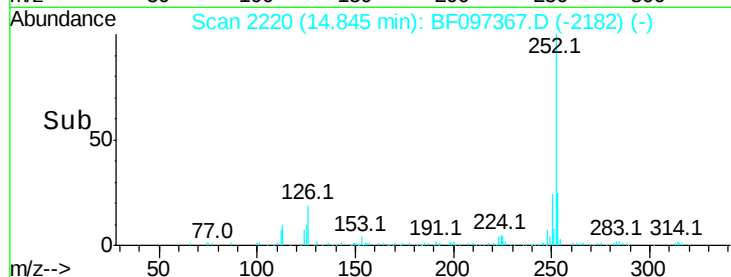
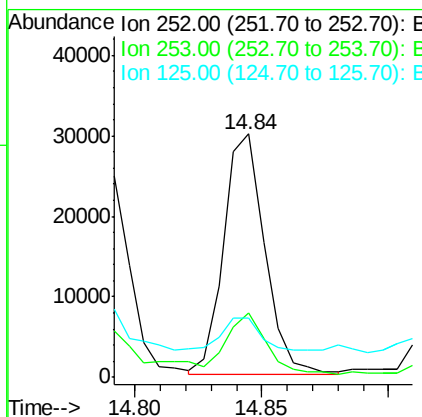
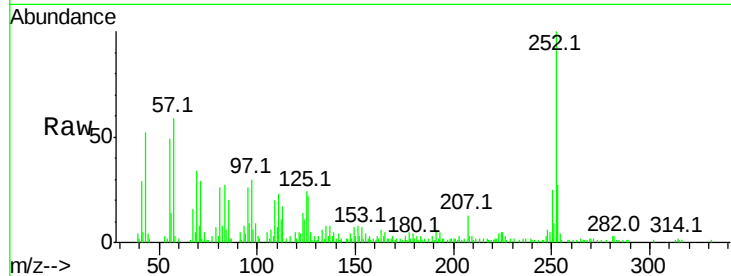
#89
Benzo(a)pyrene
Concen: 3.357 ng
RT: 14.84 min Scan# 2220
Delta R.T. -0.08 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Instrument :
BNA_F
ClientSampleId :
GRAVEL-PILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.5	26.3#
125	24.3	11.0	16.4#

Manual Integrations
APPROVED

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8/7/2017 6:09:59 PM



#91
Benzo(g,h,i)perylene
Concen: 2.043 ng
RT: 16.46 min Scan# 2494
Delta R.T. -0.11 min
Lab File: BF097367.D
Acq: 4 Aug 2017 20:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	20.0	18.6	28.0
138	34.6	25.4	38.0

