

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097337.D
 Acq On : 4 Aug 2017 00:48
 Operator : SJ/JU
 Sample : I4560-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-STOCKPILE-COMP

Manual Integrations
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Quant Time: Aug 04 02:24:16 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	6.45	152	102587	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	422676	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	158777	20.00	ng	-0.06
63) Phenanthrene-d10	10.94	188	221088	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	172867	20.00	ng	-0.06
86) Perylene-d12	14.91	264	121989	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	629655	92.53	ng	-0.05
7) Phenol-d6	6.12	99	870664	112.07	ng	-0.05
23) Nitrobenzene-d5	7.02	82	460842	63.96	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	99025	78.94	ng	-0.06
44) 2-Fluorobiphenyl	8.80	172	701376	74.97	ng	-0.06
78) Terphenyl-d14	12.52	244	458428	54.07	ng	-0.06
Target Compounds						
10) Phenol	6.13	94	18458	2.003	ng	Qvalue # 54
49) Dimethylphthalate	9.20	163	100269	8.316	ng	99
70) Phenanthrene	10.96	178	82872	6.996	ng	100
71) Anthracene	11.02	178	30635	2.525	ng	95
74) Fluoranthene	12.14	202	153775	13.251	ng	98
77) Pyrene	12.37	202	157696	11.143	ng	99
80) Benzo(a)anthracene	13.56	228	73638	6.583	ng	95
82) Chrysene	13.59	228	78160	7.156	ng	96
85) Indeno(1,2,3-cd)pyrene	16.12	276	26140	2.791	ng	95
87) Benzo(b)fluoranthene	14.56	252	89722m	12.235	ng	
88) Benzo(k)fluoranthene	14.58	252	19124m	2.737	ng	
89) Benzo(a)pyrene	14.86	252	49679	7.402	ng	# 88
91) Benzo(a,h,i)perylene	16.47	276	26238	4.546	ng	# 88

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

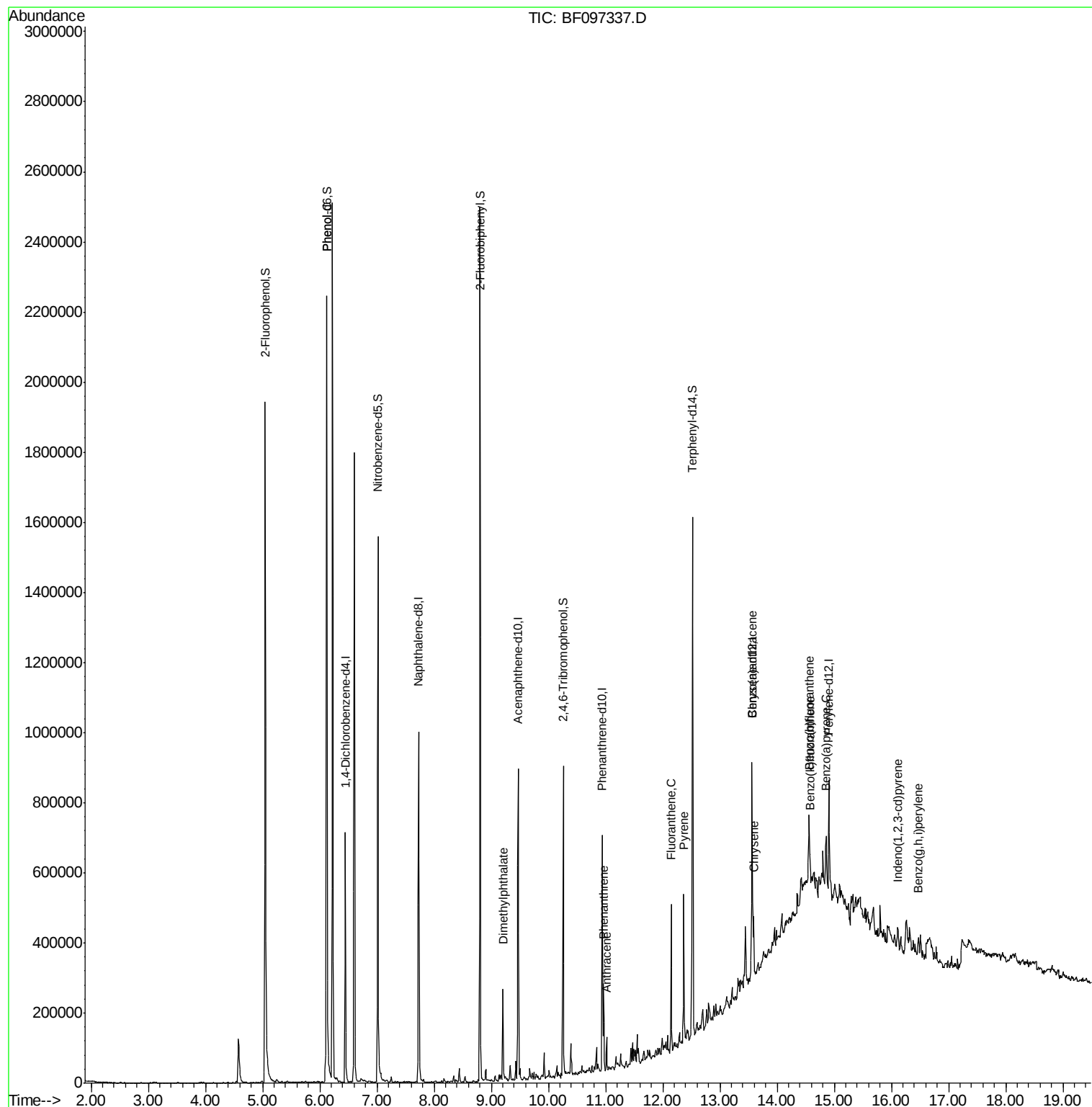
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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ALS Vial : 17 Sample Multiplier: 1

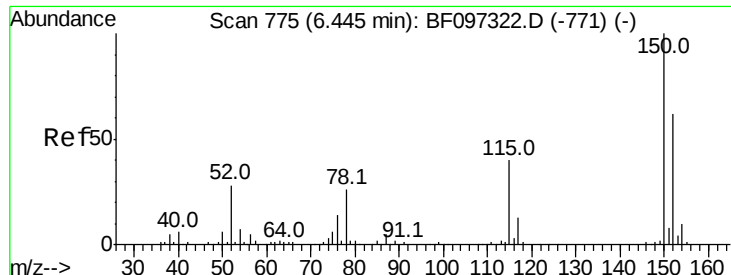
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#1

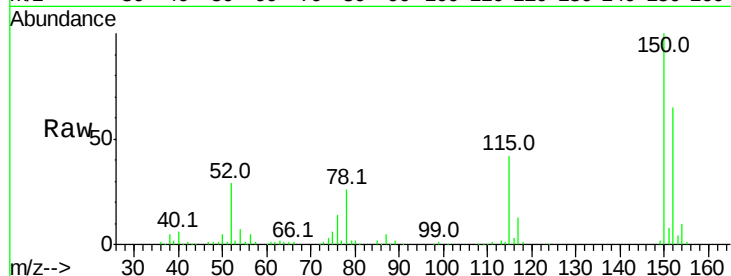
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Instrument :
BNA_F
ClientSampleId :
S-STOCKPILE-COMP

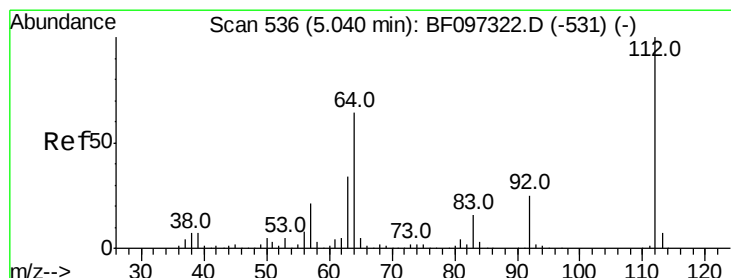
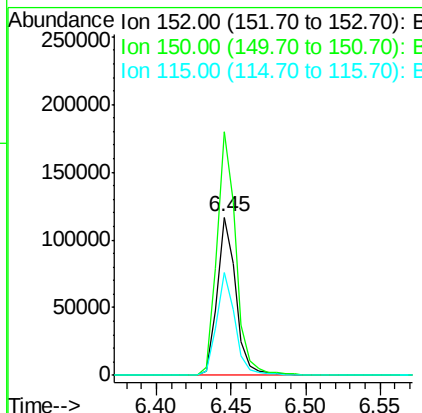
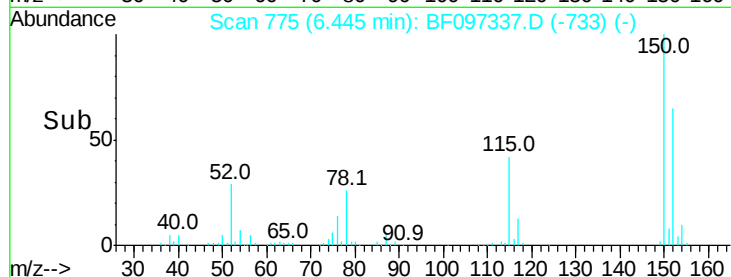
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.2	189.2
115	64.7	52.2	78.2

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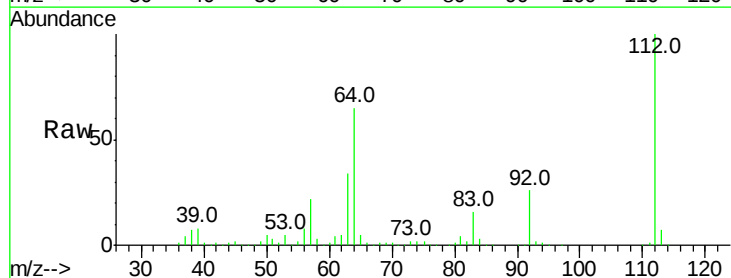
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



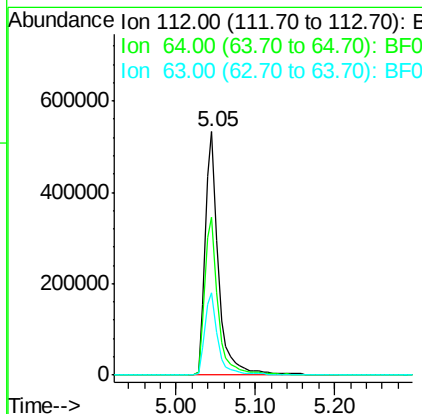
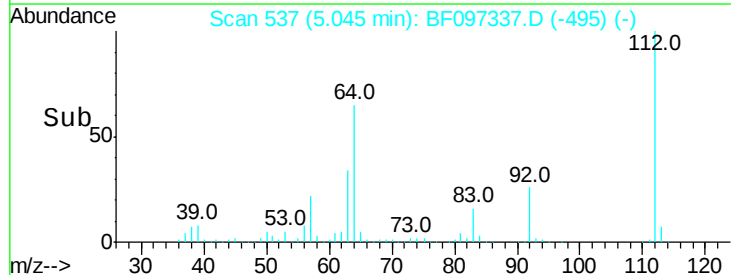
#5

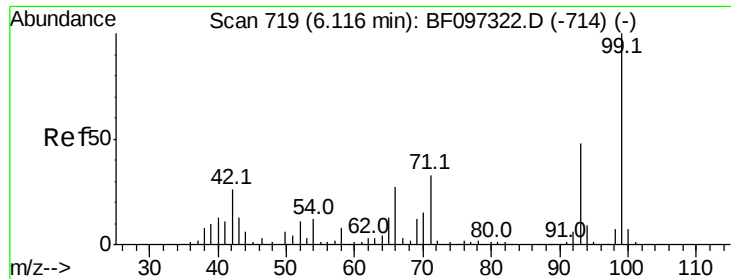
2-Fluorophenol
Concen: 92.526 ng
RT: 5.05 min Scan# 537
Delta R.T. -0.05 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	46.0	69.0
63	33.9	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.070 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097337.D

Acq: 4 Aug 2017 00:48

Instrument :

BNA_F

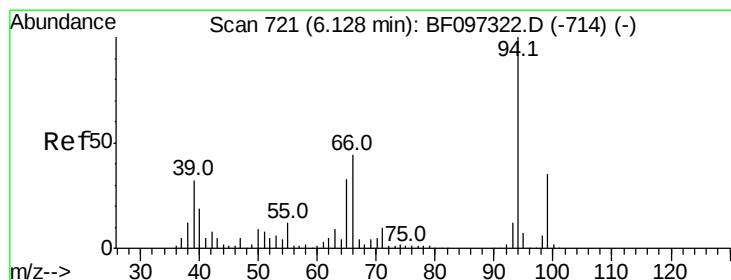
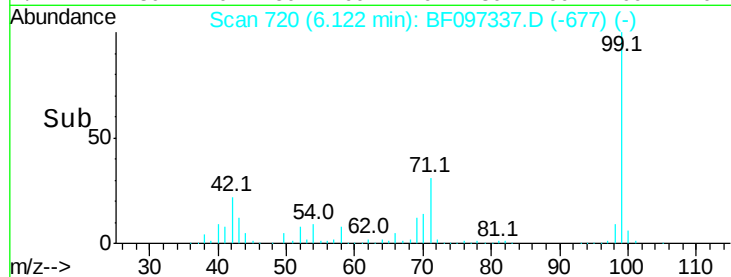
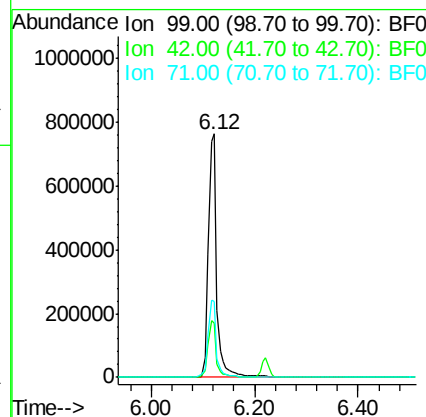
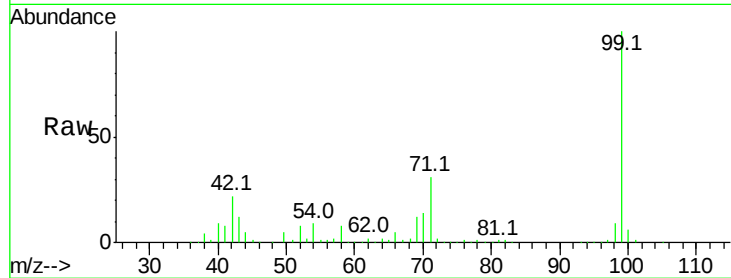
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
99	100	870664		
42	22.3		13.5	20.3#
71	31.0		24.5	36.7

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#10

Phenol

Concen: 2.003 ng

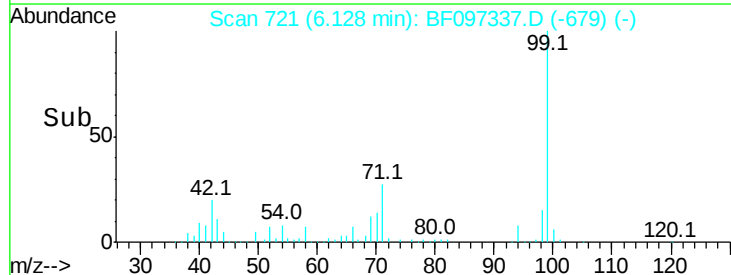
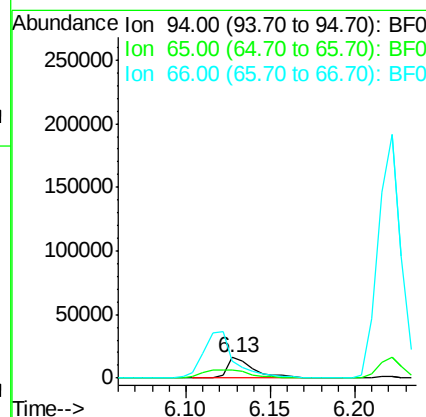
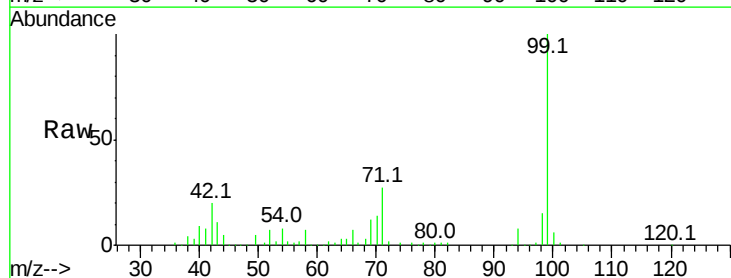
RT: 6.13 min Scan# 721

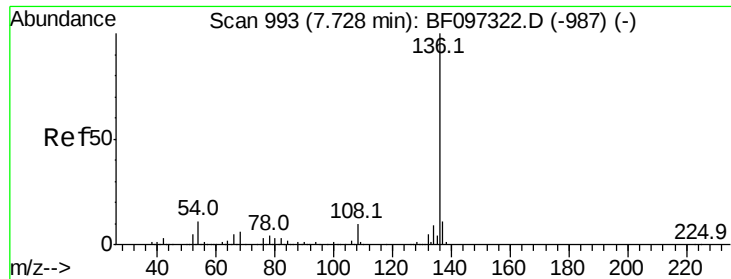
Delta R.T. -0.05 min

Lab File: BF097337.D

Acq: 4 Aug 2017 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
94	100	18458		
65	39.4		9.9	49.9
66	85.2		23.1	63.1#





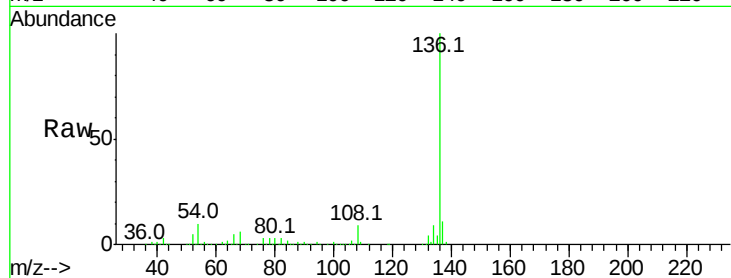
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 993
Delta R.T. -0.06 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Instrument :
BNA_F
ClientSampleId :
S-STOCKPILE-COMP

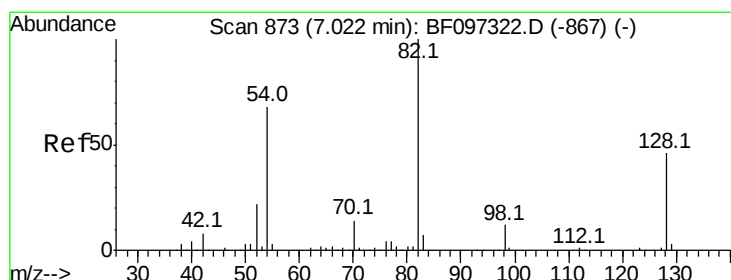
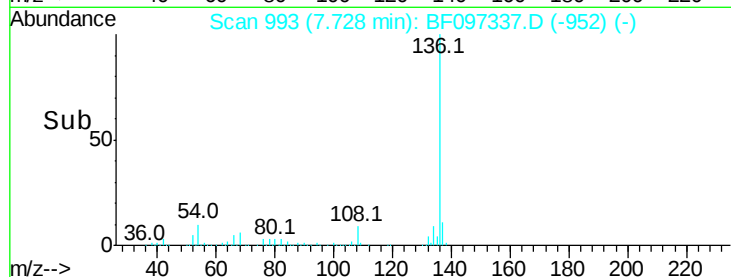
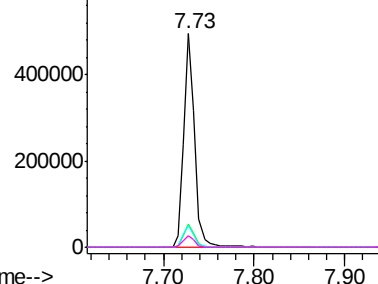
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.5	12.7	
54	10.4	4.9	7.3#	
68	5.6	4.1	6.1	

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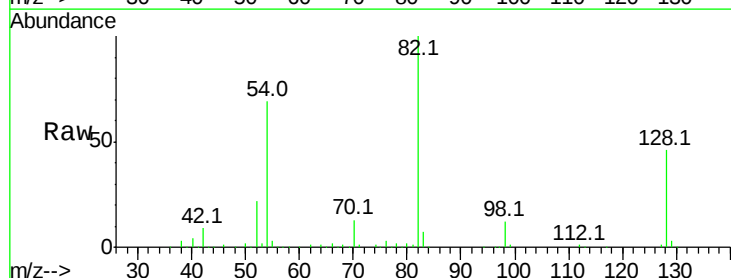


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

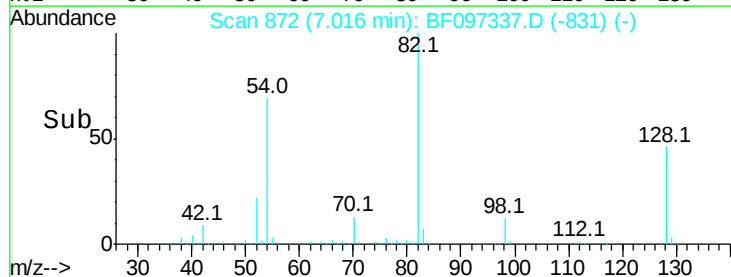
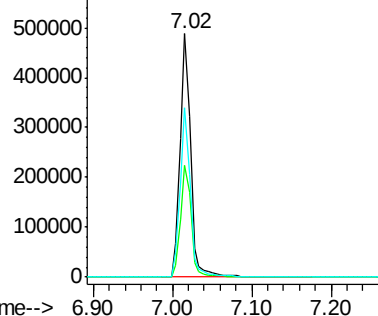


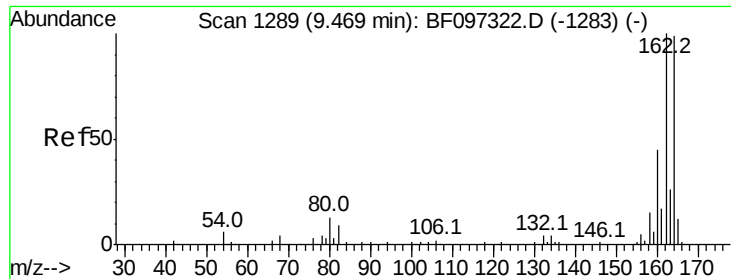
#23
Nitrobenzene-d5
Concen: 63.961 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.06 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	34.0	51.0	
54	69.4	42.2	63.2#	



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





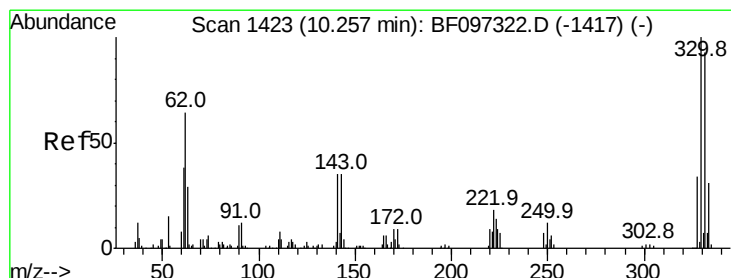
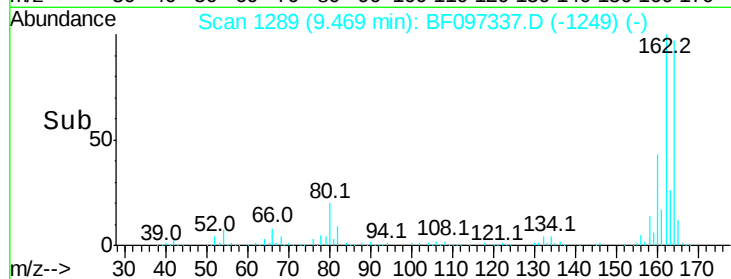
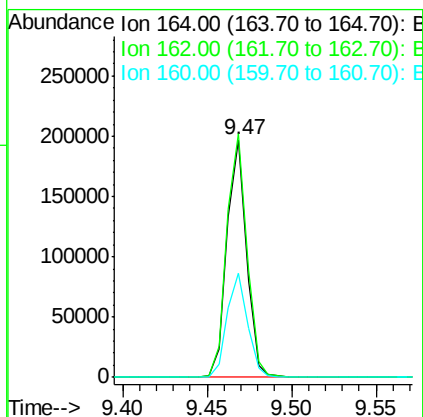
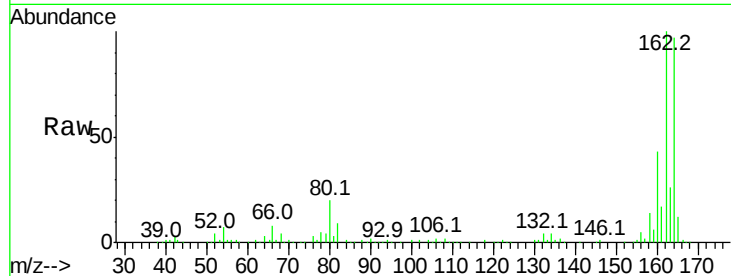
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.47 min Scan# 1289
Delta R.T. -0.06 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Instrument :
BNA_F
ClientSampleId :
S-STOCKPILE-COMP

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.6	123.8
160	44.1	36.2	54.2

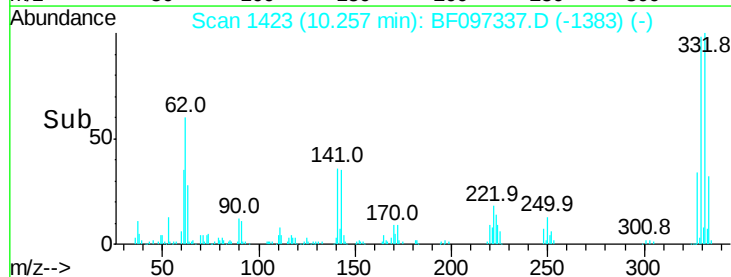
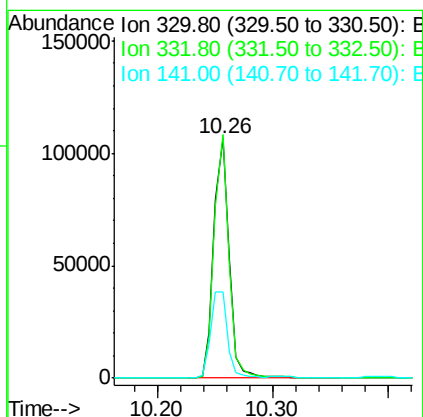
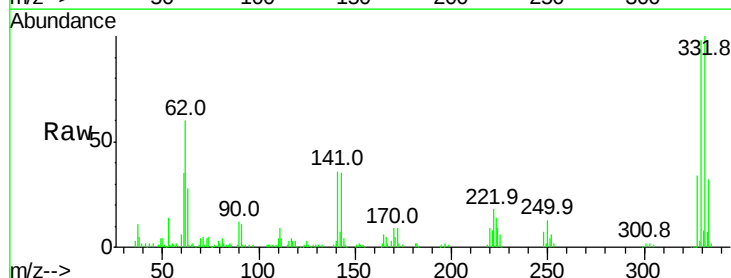
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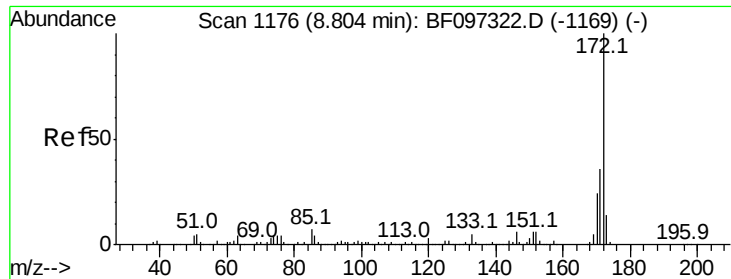
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#41
2,4,6-Tribromophenol
Concen: 78.936 ng
RT: 10.26 min Scan# 1423
Delta R.T. -0.06 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	115.0
141	39.6	31.4	47.2





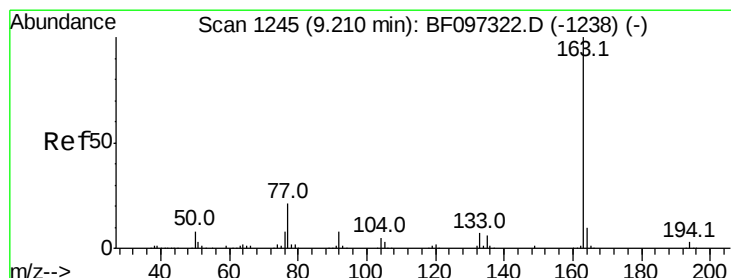
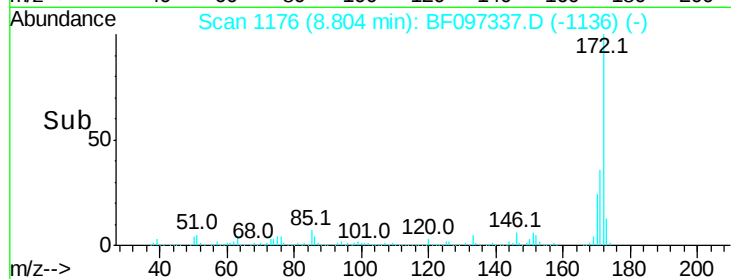
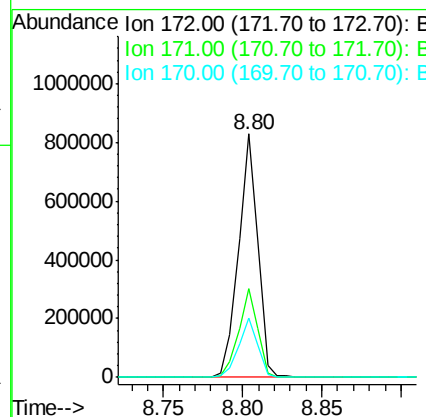
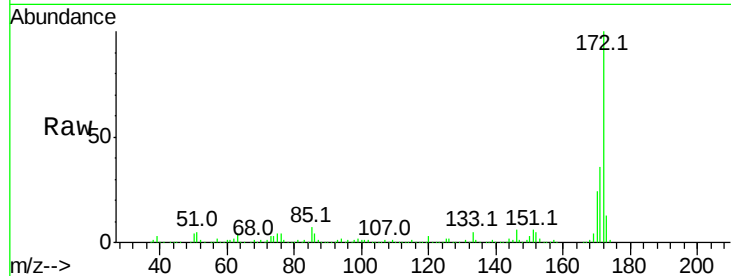
#44
2-Fluorobiphenyl
Concen: 74.967 ng
RT: 8.80 min Scan# 1176
Delta R.T. -0.06 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Instrument :
BNA_F
ClientSampleId :
S-STOCKPILE-COMP

Tot Ion:	172	Resp:	701376
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.6	44.4
170	24.3	19.8	29.8

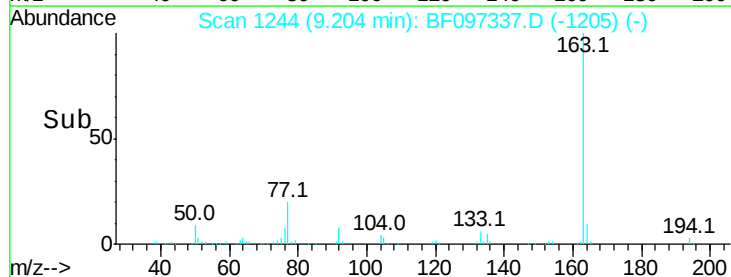
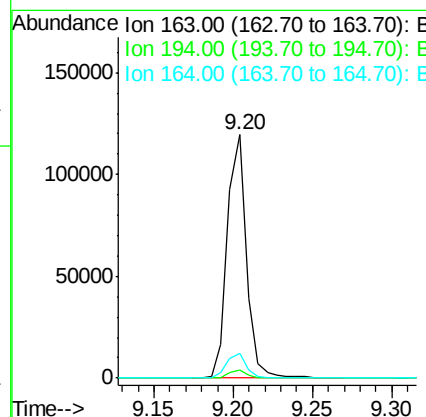
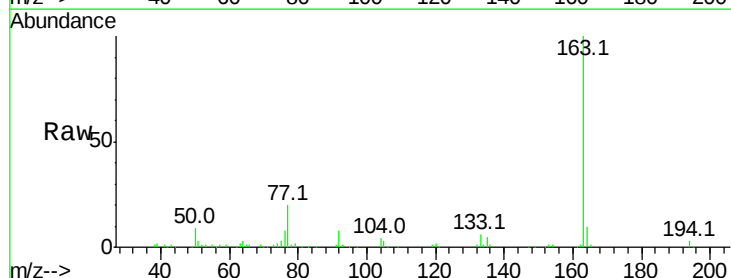
Manual Integrations
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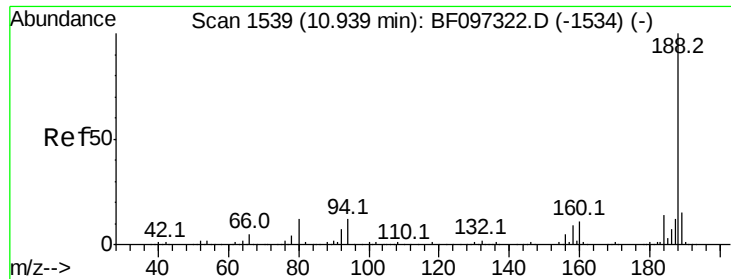
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#49
Dimethylphthalate
Concen: 8.316 ng
RT: 9.20 min Scan# 1244
Delta R.T. -0.07 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Tgt Ion:	163	Resp:	100269
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	9.9	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.94 min Scan# 1539

Delta R.T. -0.06 min

Lab File: BF097337.D

Acq: 4 Aug 2017 00:48

Instrument :

BNA_F

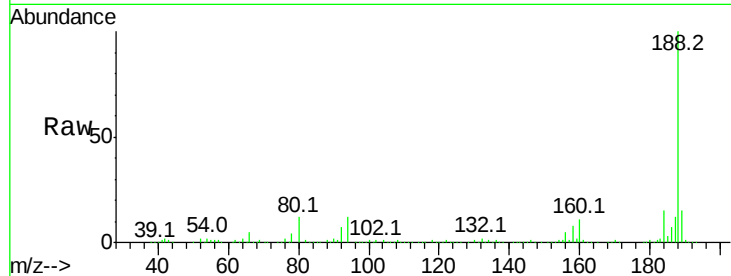
ClientSampleId :

S-STOCKPILE-COMP

Tot Ion:	188	Resp:	221088
Ion Ratio	Lower	Upper	
188	100		
94	11.8	9.4	14.2
80	12.4	10.2	15.2

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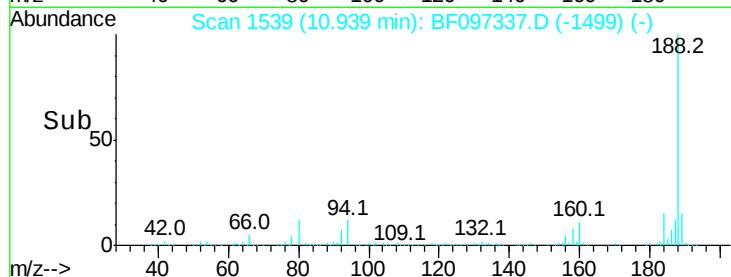


Abundance Ion 188.00 (187.70 to 188.70): E

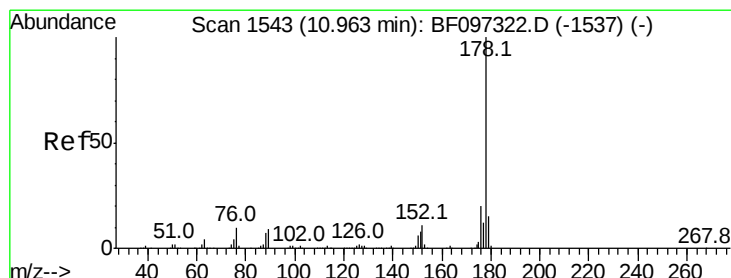
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



Time-->



#70

Phenanthrene

Concen: 6.996 ng

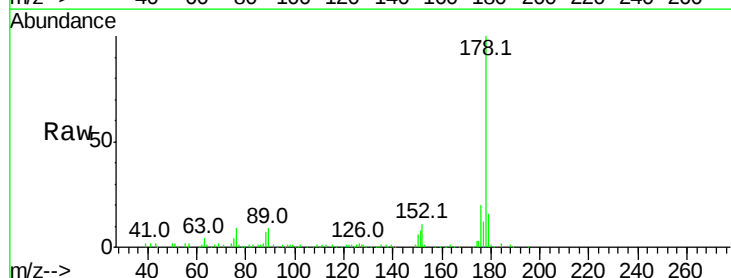
RT: 10.96 min Scan# 1543

Delta R.T. -0.06 min

Lab File: BF097337.D

Acq: 4 Aug 2017 00:48

Tgt Ion:	178	Resp:	82872
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.2	24.4
179	15.9	12.6	19.0

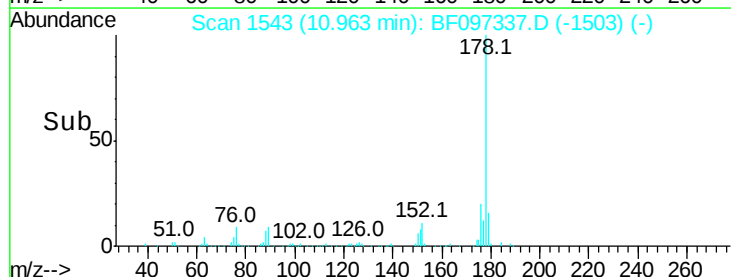


Abundance Ion 178.00 (177.70 to 178.70): E

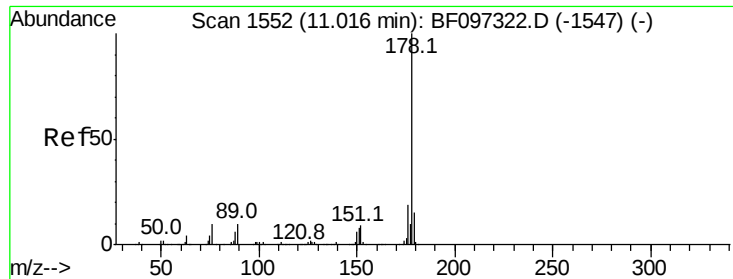
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

Time-->



Time-->



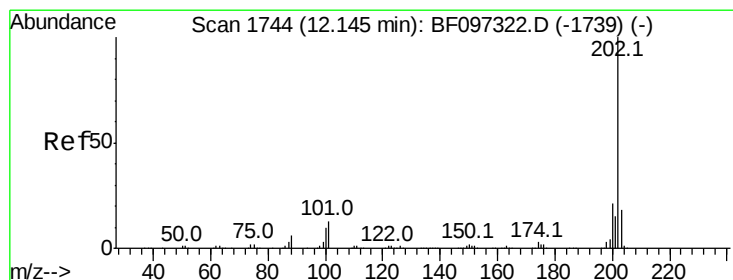
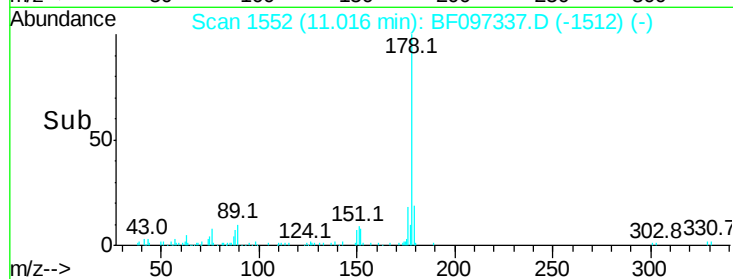
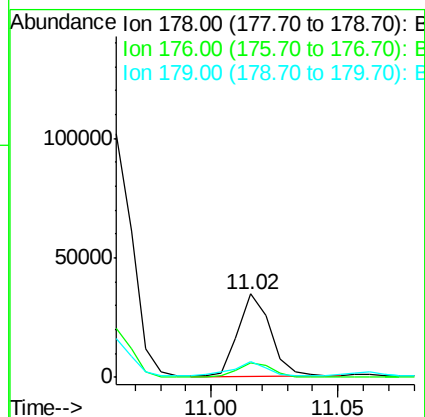
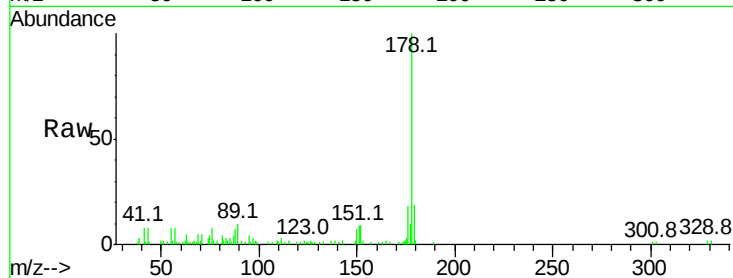
#71
 Anthracene
 Concen: 2.525 ng
 RT: 11.02 min Scan# 1552
 Delta R.T. -0.06 min
 Lab File: BF097337.D
 Acq: 4 Aug 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :
 S-STOCKPILE-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	19.0	12.7	19.1

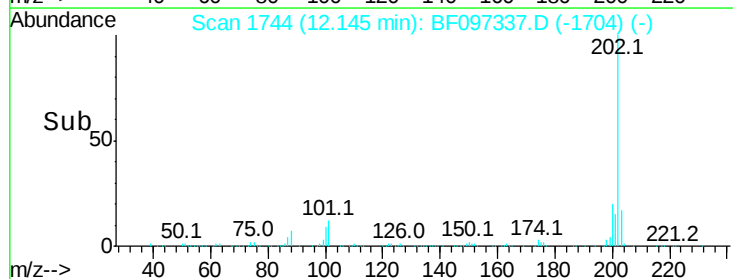
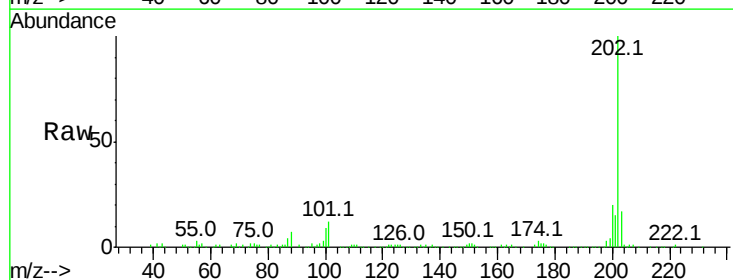
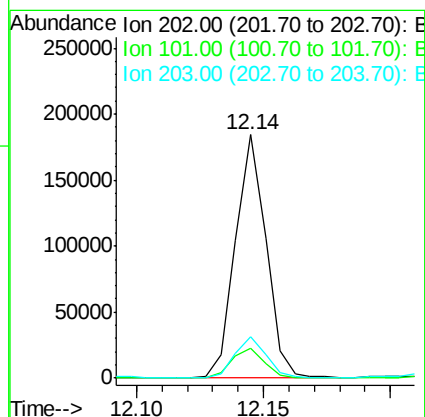
Manual Integrations
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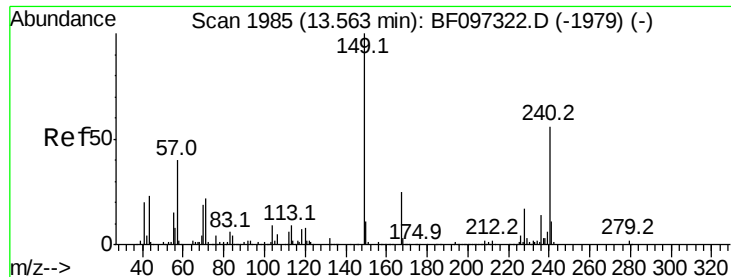
Sohil
 8/4/2017 5:30:54 PM



#74
 Fluoranthene
 Concen: 13.251 ng
 RT: 12.14 min Scan# 1744
 Delta R.T. -0.06 min
 Lab File: BF097337.D
 Acq: 4 Aug 2017 00:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.2
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.06 min

Lab File: BF097337.D

Acq: 4 Aug 2017 00:48

Instrument :

BNA_F

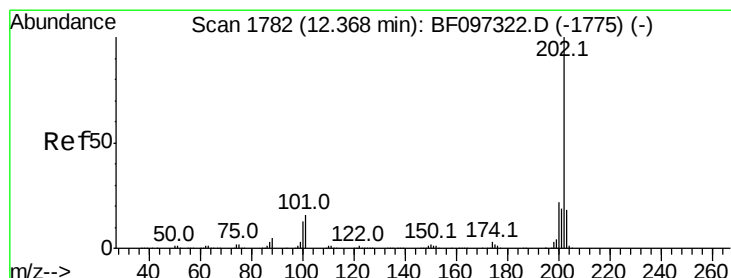
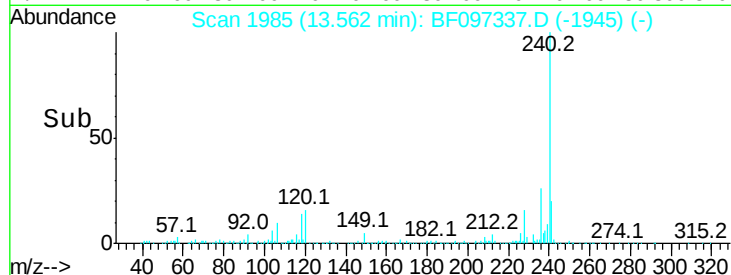
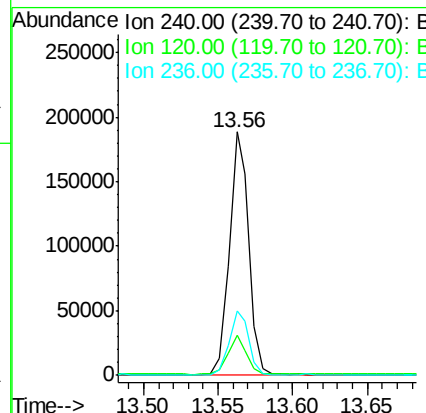
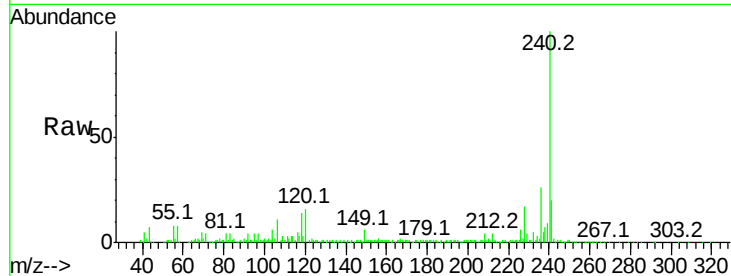
ClientSampleId :

S-STOCKPILE-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.3	5.8	8.8#
236	26.4	20.5	30.7

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#77

Pyrene

Concen: 11.143 ng

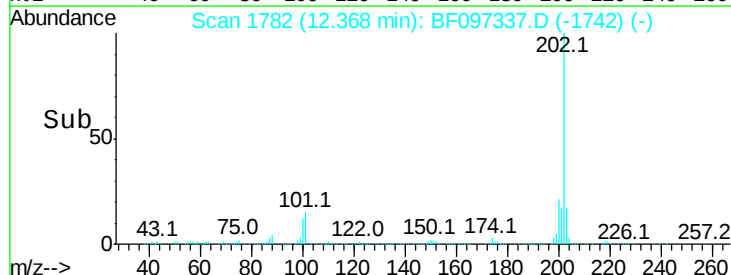
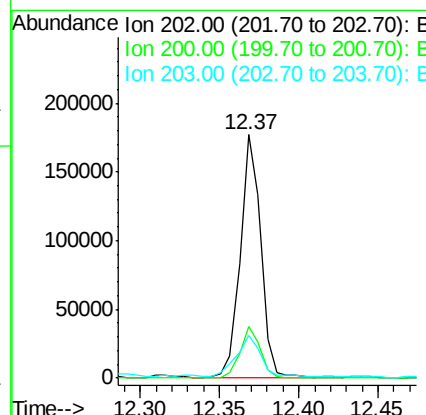
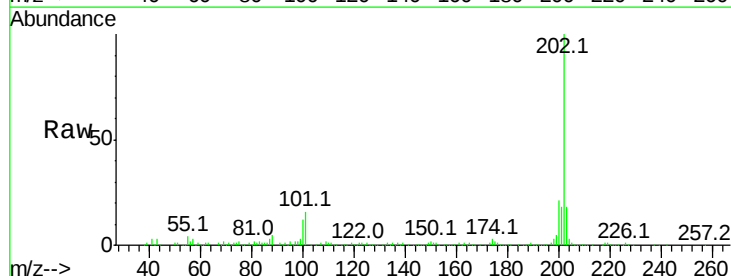
RT: 12.37 min Scan# 1782

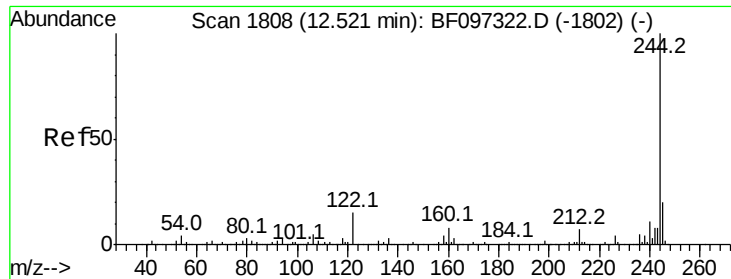
Delta R.T. -0.06 min

Lab File: BF097337.D

Acq: 4 Aug 2017 00:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	17.8	14.4	21.6





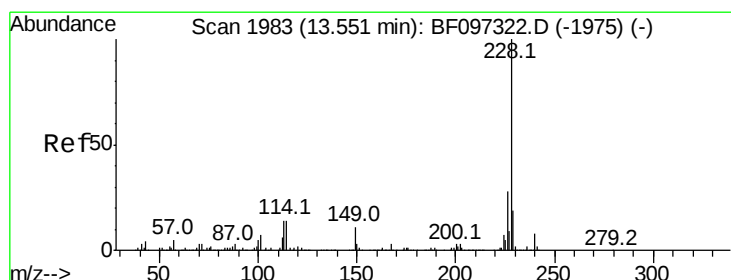
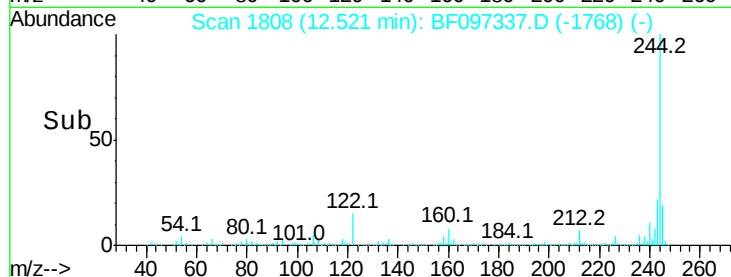
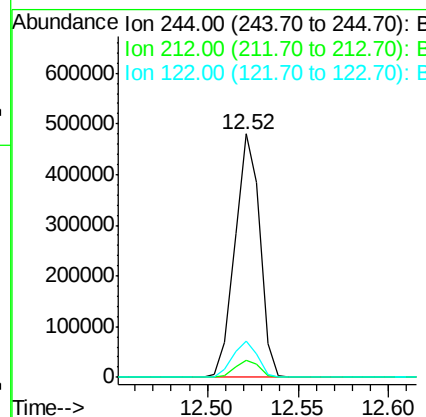
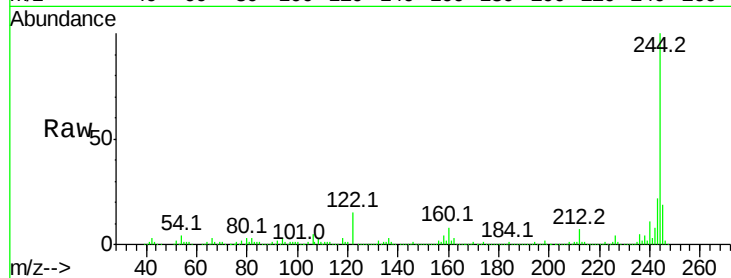
#78
 Terphenyl-d14
 Concen: 54.069 ng
 RT: 12.52 min Scan# 1808
 Delta R.T. -0.06 min
 Lab File: BF097337.D
 Acq: 4 Aug 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :
 S-STOCKPILE-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	15.0	10.3	15.5

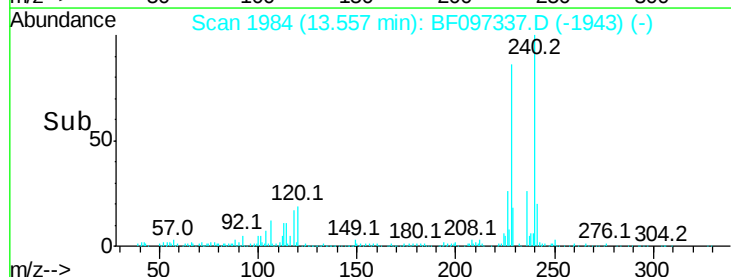
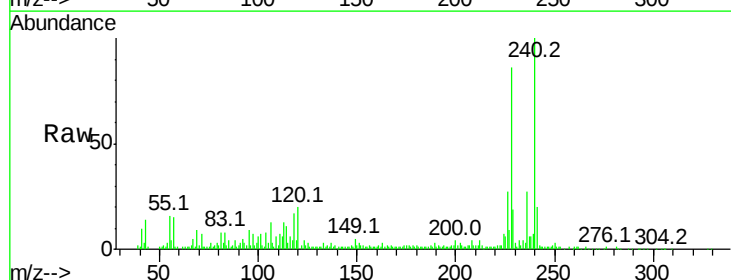
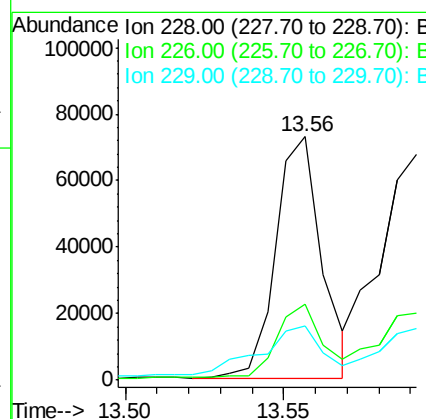
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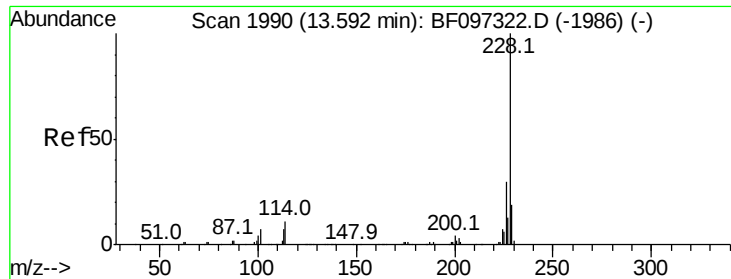
Sohil
 8/4/2017 5:30:54 PM



#80
 Benzo(a)anthracene
 Concen: 6.583 ng
 RT: 13.56 min Scan# 1984
 Delta R.T. -0.06 min
 Lab File: BF097337.D
 Acq: 4 Aug 2017 00:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.6	33.8
229	22.2	16.3	24.5





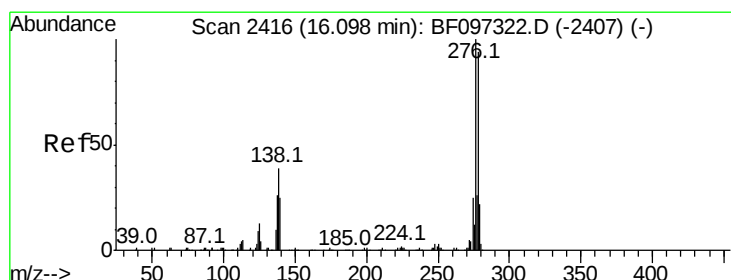
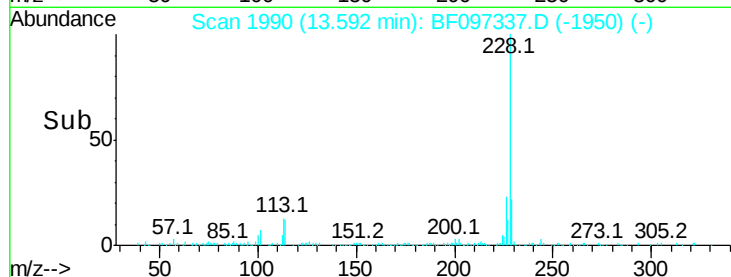
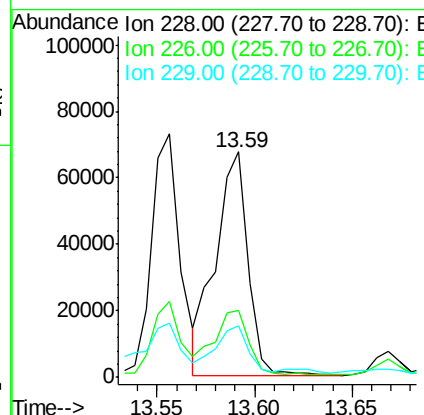
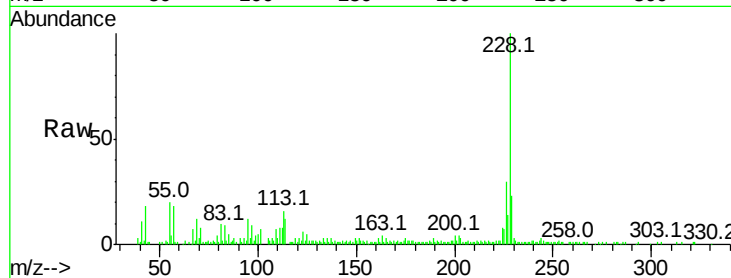
#82
Chrysene
Concen: 7.156 ng
RT: 13.59 min Scan# 1990
Delta R.T. -0.06 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Instrument :
BNA_F
ClientSampleId :
S-STOCKPILE-COMP

Tot Ion:	228	Resp:	78160
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.9	37.3
229	23.1	15.8	23.6

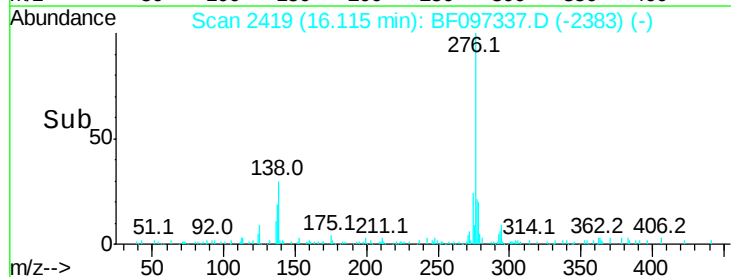
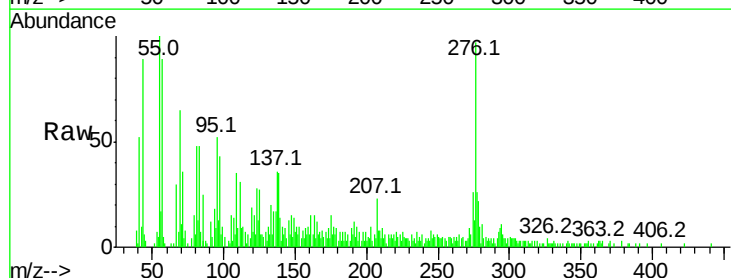
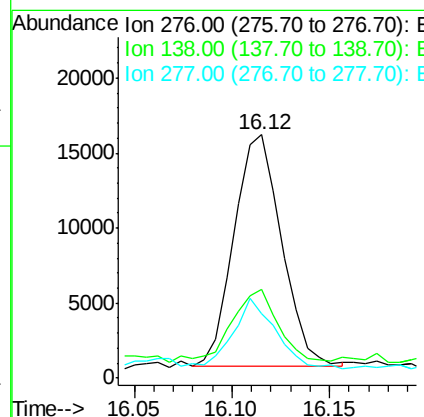
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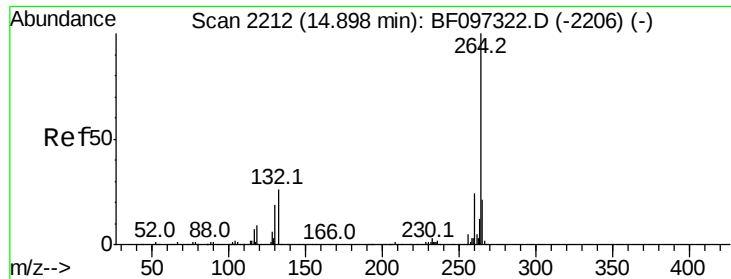
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.791 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.09 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Tgt Ion:	276	Resp:	26140
Ion Ratio	Lower	Upper	
276	100		
138	30.4	27.8	41.6
277	26.6	20.2	30.4





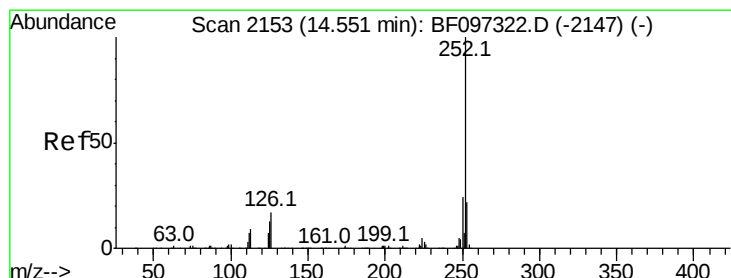
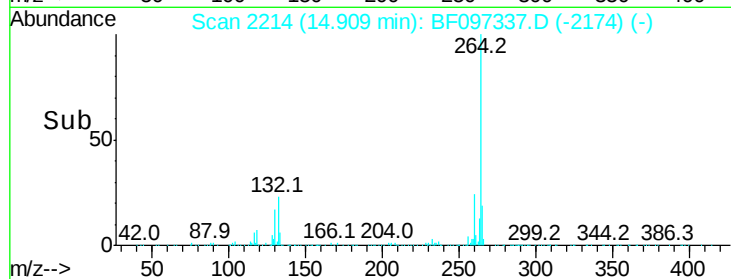
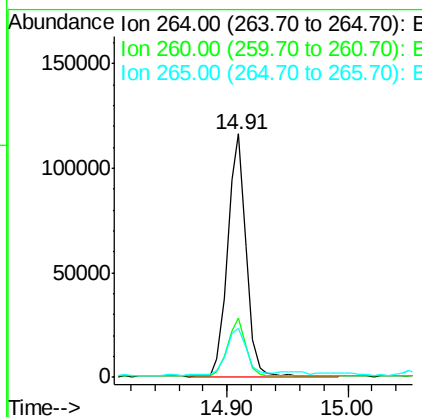
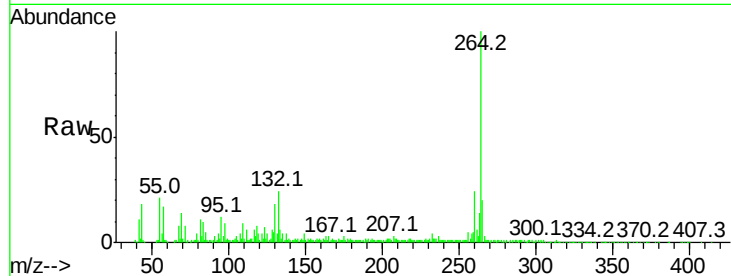
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Instrument :
BNA_F
ClientSampleId :
S-STOCKPILE-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	20.1	17.2	25.8

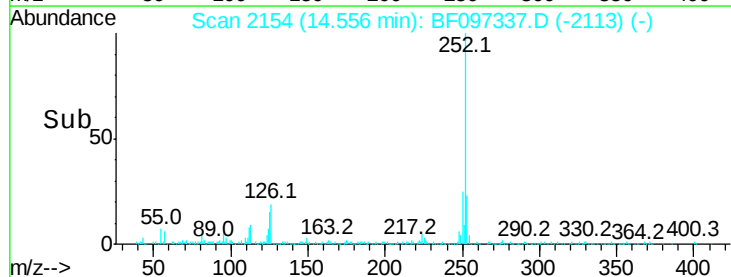
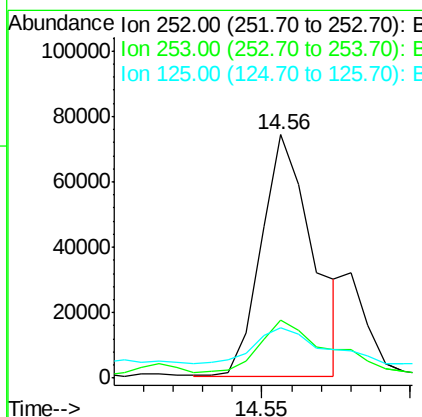
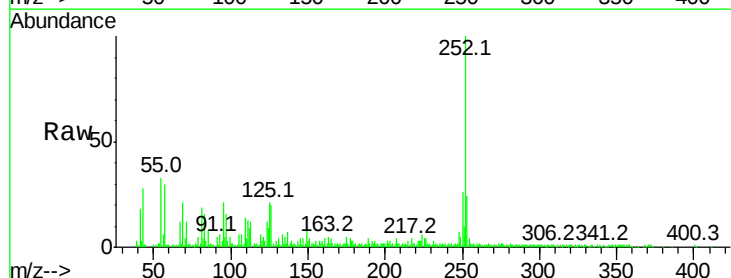
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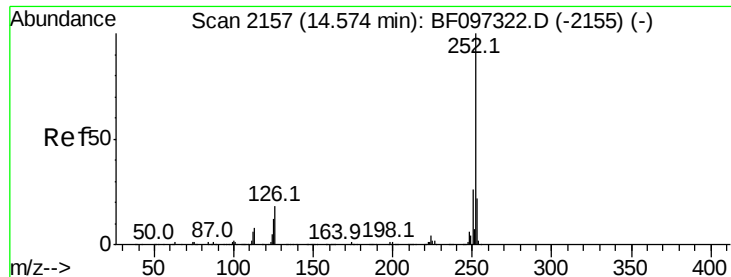
Sohil
8/4/2017 5:30:54 PM



#87
Benzo(b)fluoranthene
Concen: 12.235 ng m
RT: 14.56 min Scan# 2154
Delta R.T. -0.06 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	20.8	9.8	14.8#





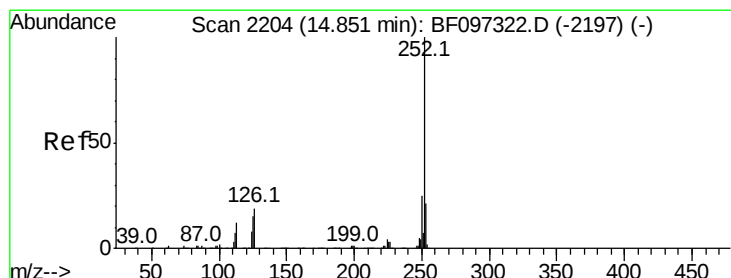
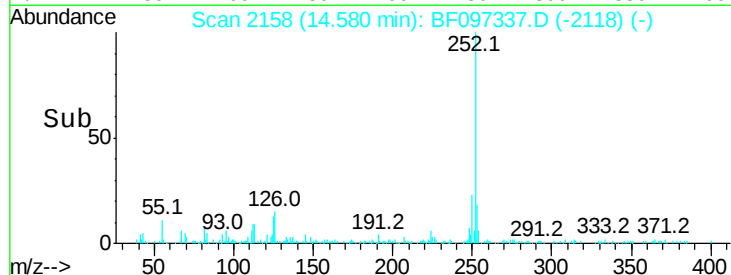
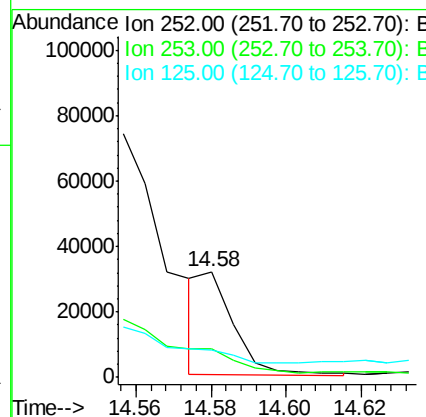
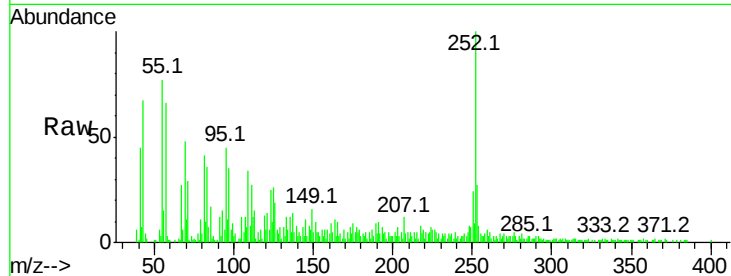
#88
Benzo(k)fluoranthene
Concen: 2.737 ng m
RT: 14.58 min Scan# 2158
Delta R.T. -0.06 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Instrument :
BNA_F
ClientSampleId :
S-STOCKPILE-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	18.4	27.6
125	25.8	13.1	19.7

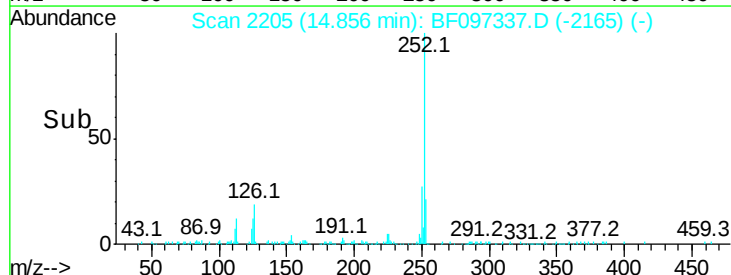
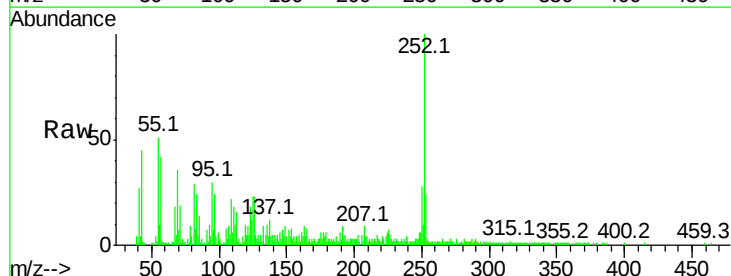
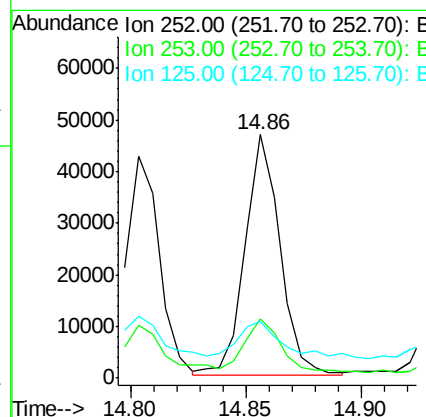
Manual Integrations
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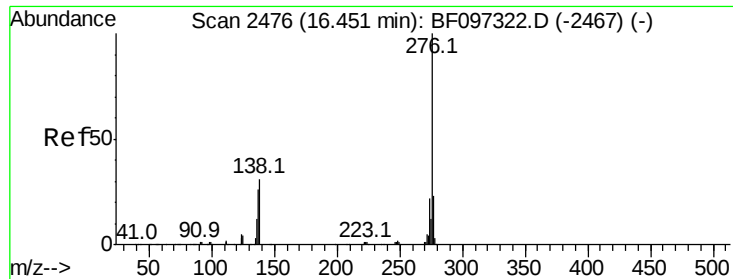
Sohil
8/4/2017 5:30:54 PM



#89
Benzo(a)pyrene
Concen: 7.402 ng
RT: 14.86 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF097337.D
Acq: 4 Aug 2017 00:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	23.1	11.0	16.4





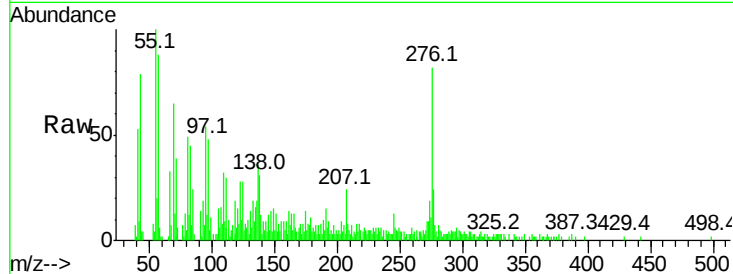
#91
 Benzo(a,h,i)perylene
 Concen: 4.546 ng
 RT: 16.47 min Scan# 2479
 Delta R.T. -0.10 min
 Lab File: BF097337.D
 Acq: 4 Aug 2017 00:48

Instrument :
 BNA_F
 ClientSampleId :
 S-STOCKPILE-COMP

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	29.7	18.6	28.0#
138	38.0	25.4	38.0

Manual Integrations
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Sohil
 8/4/2017 5:30:54 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

