

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097336.D
 Acq On : 4 Aug 2017 00:20
 Operator : SJ/JU
 Sample : I4560-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N-STOCKPILE-COMP

Manual Integrations
 APPROVED

Sohil
 8/4/2017 5:30:53 PM

Quant Time: Aug 04 02:18:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	105838	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	488044	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	179051	20.00	ng	-0.06
63) Phenanthrene-d10	10.94	188	231584	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	175332	20.00	ng	-0.06
86) Perylene-d12	14.91	264	113124	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	709644	101.08	ng	-0.06
7) Phenol-d6	6.12	99	879859	109.78	ng	-0.05
23) Nitrobenzene-d5	7.02	82	445268	53.52	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	109877	77.67	ng	-0.06
44) 2-Fluorobiphenyl	8.80	172	756902	71.74	ng	-0.06
78) Terphenyl-d14	12.52	244	458398	53.30	ng	-0.06
Target Compounds						
10) Phenol	6.13	94	30236	3.180	ng	Qvalue 81
49) Dimethylphthalate	9.20	163	204250	15.022	ng	99
70) Phenanthrene	10.96	178	99350	8.007	ng	96
71) Anthracene	11.02	178	36089	2.840	ng	97
74) Fluoranthene	12.15	202	211032	17.360	ng	98
77) Pyrene	12.37	202	195502	13.620	ng	99
80) Benzo(a)anthracene	13.56	228	79503	7.008	ng	98
82) Chrysene	13.59	228	83265	7.516	ng	97
83) Bis(2-ethylhexyl)phthalate	13.57	149	19973	2.095	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.12	276	27122	2.855	ng	98
87) Benzo(b)fluoranthene	14.56	252	88285m	12.983	ng	
88) Benzo(k)fluoranthene	14.58	252	20340m	3.139	ng	
89) Benzo(a)pyrene	14.86	252	44184	7.099	ng	# 80
91) Benzo(a,h,i)perylene	16.47	276	26420	4.936	ng	96

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

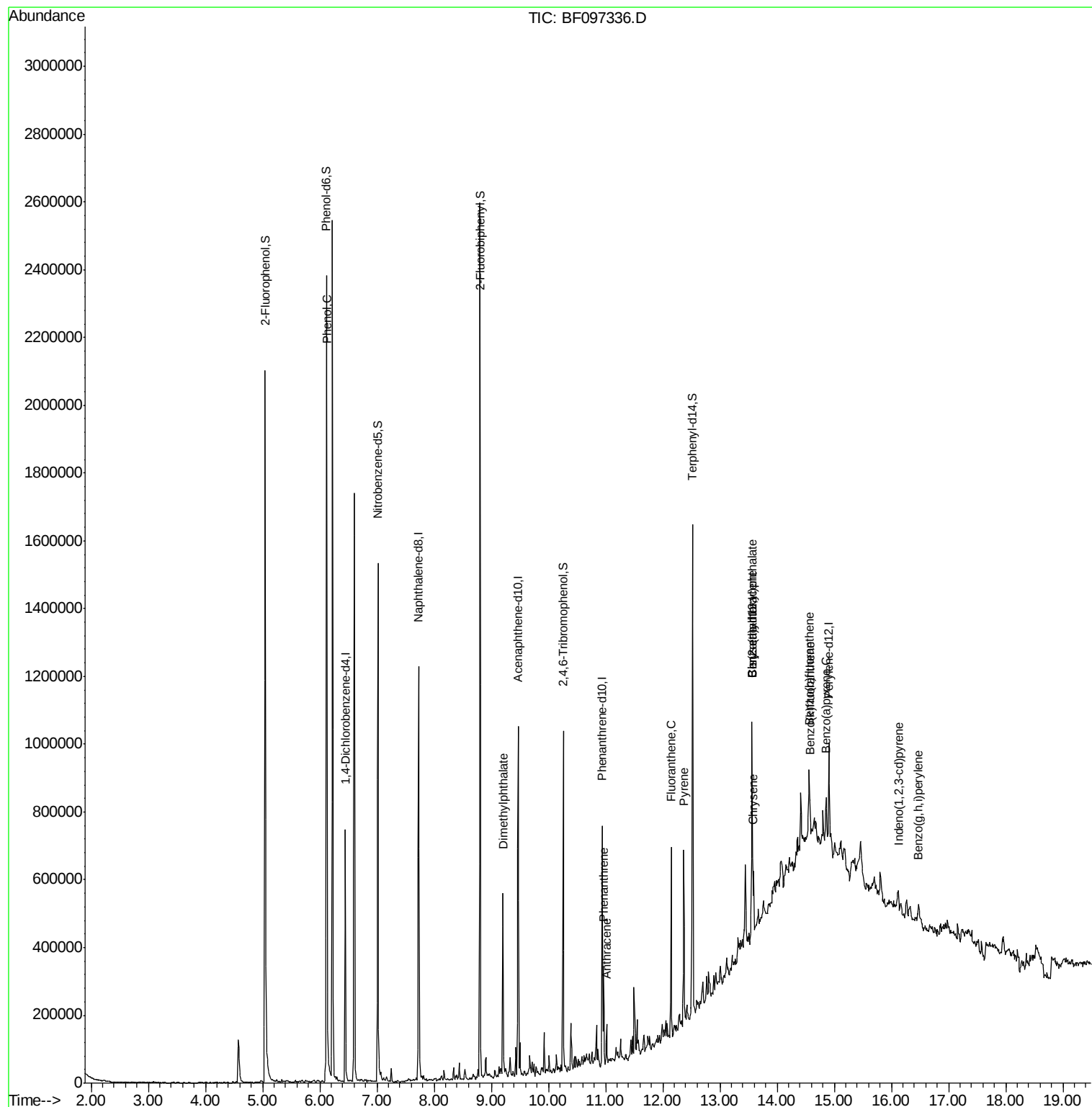
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097336.D
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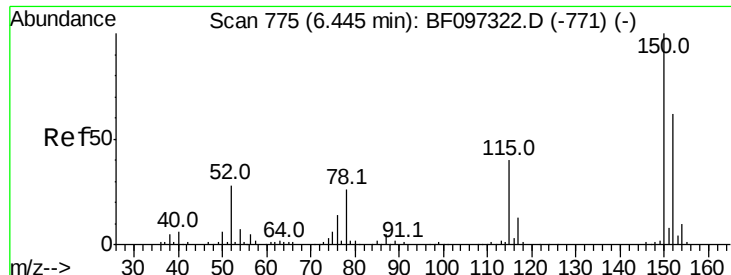
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
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#1

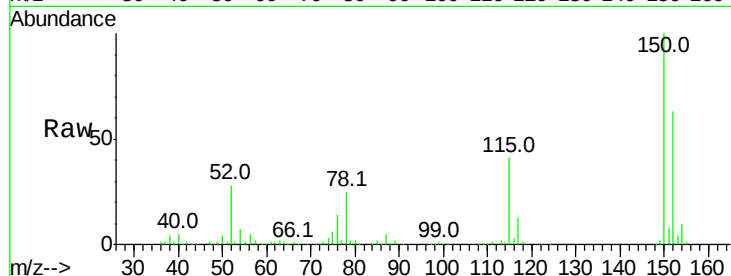
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
N-STOCKPILE-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.2	189.2
115	64.9	52.2	78.2

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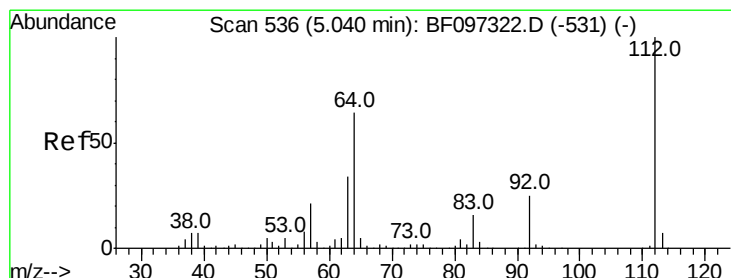
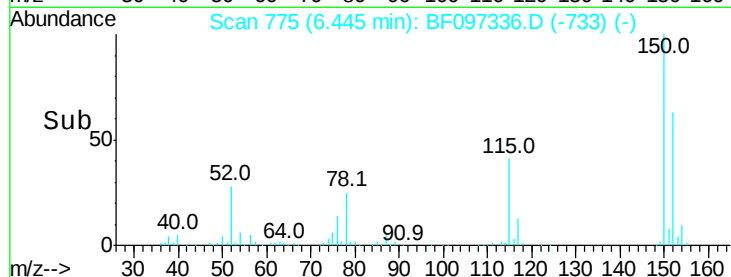
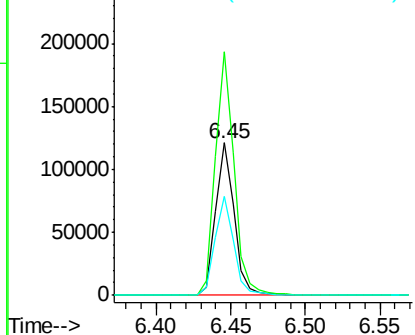


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

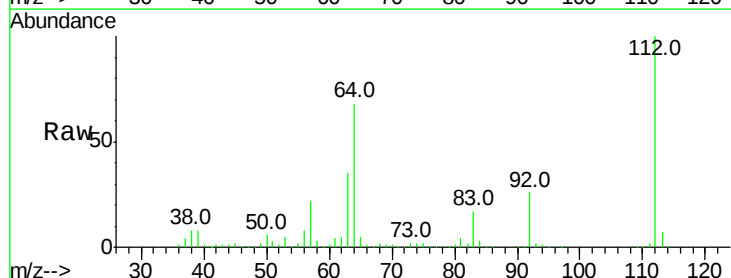
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.077 ng
RT: 5.04 min Scan# 536
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.6	46.0	69.0
63	34.8	23.4	35.0

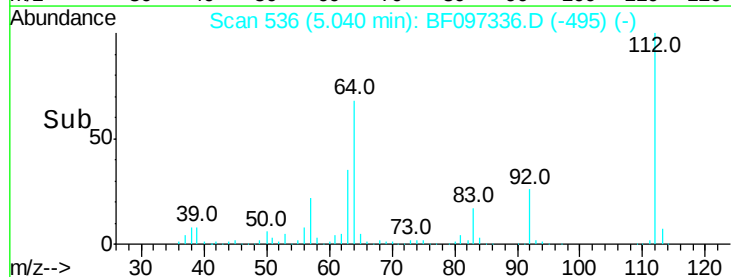
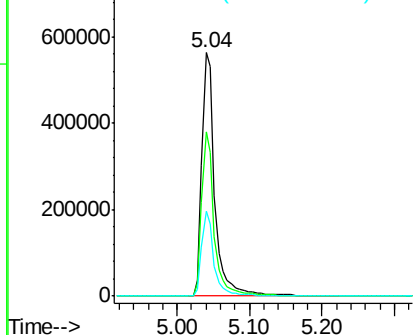


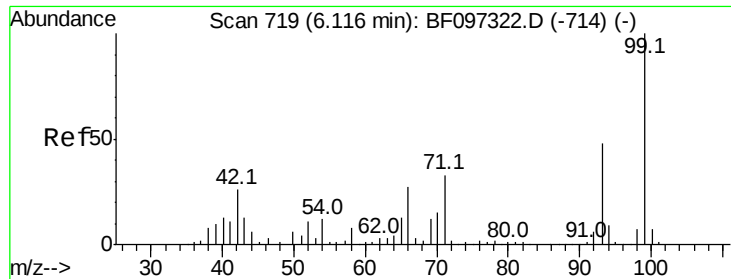
Abundance

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: 109.775 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

N-STOCKPILE-COMP

Tot Ion: 99 Resp: 879859

Ion Ratio Lower Upper

99 100

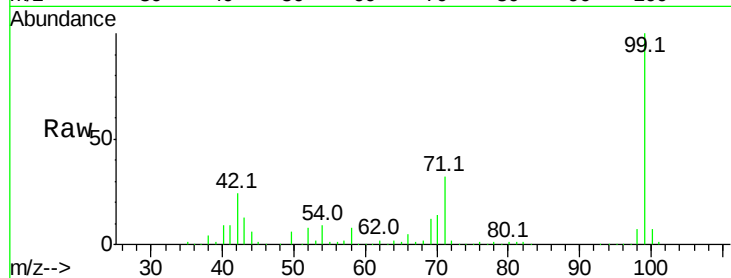
42 24.4 13.5 20.3#

71 32.3 24.5 36.7

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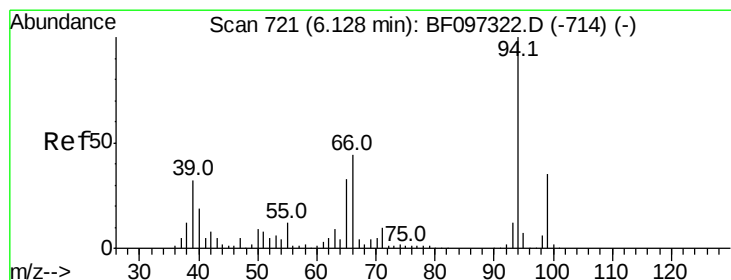
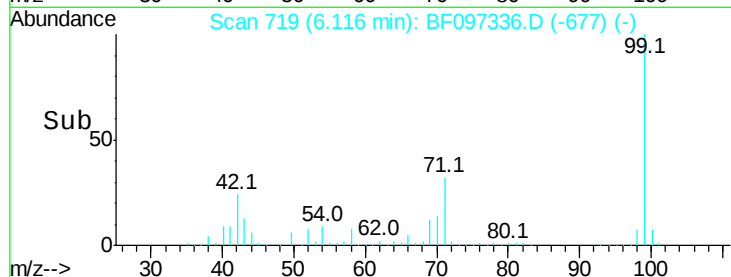
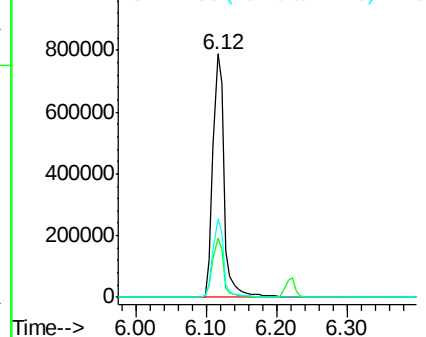
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.180 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.05 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

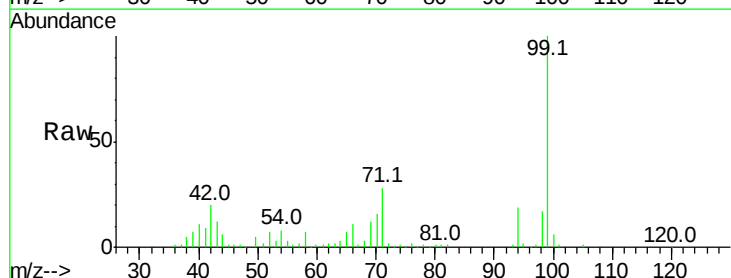
Tgt Ion: 94 Resp: 30236

Ion Ratio Lower Upper

94 100

65 35.9 9.9 49.9

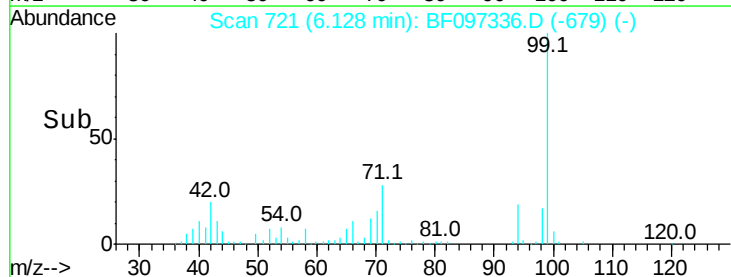
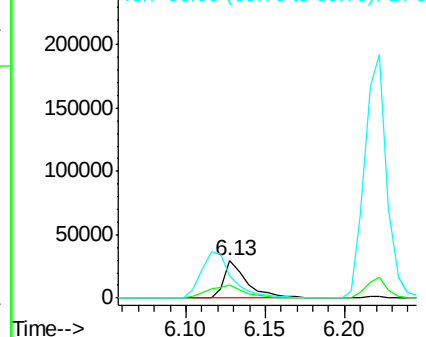
66 59.0 23.1 63.1

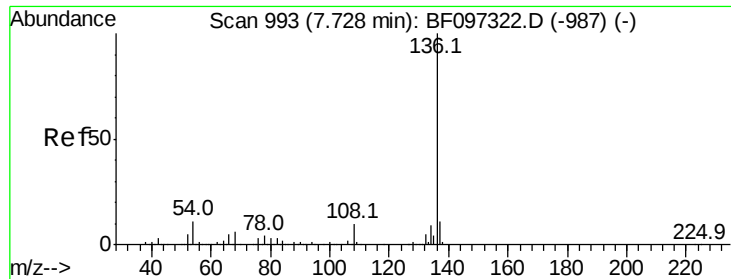


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





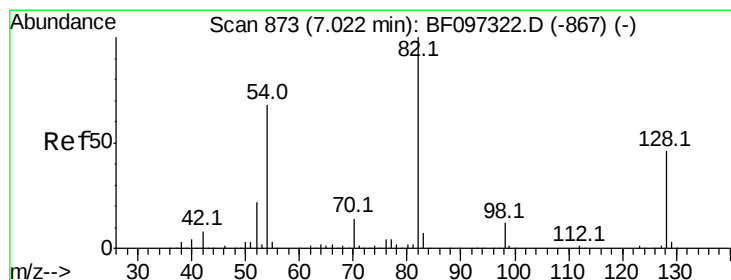
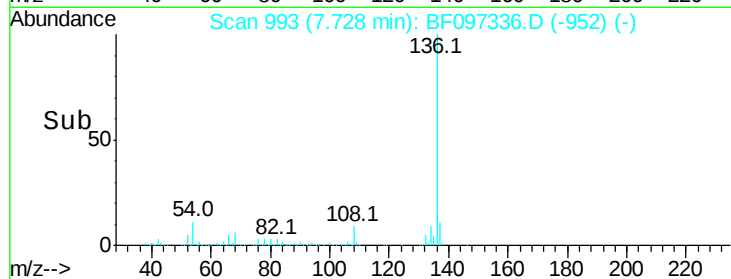
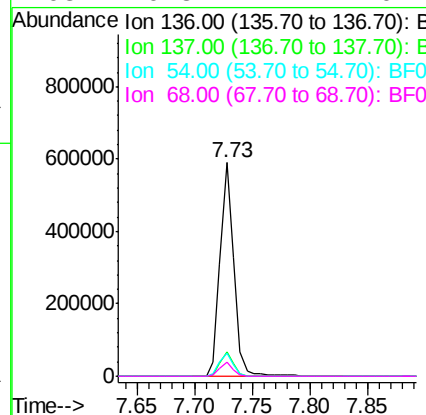
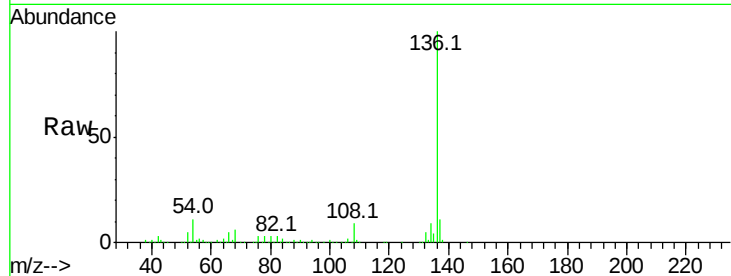
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 993
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
N-STOCKPILE-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.5	12.7	
54	11.0	4.9	7.3#	
68	6.3	4.1	6.1#	

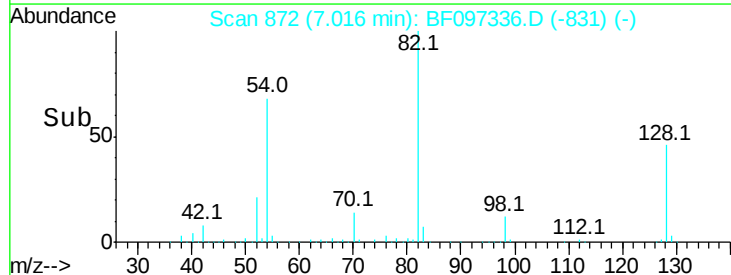
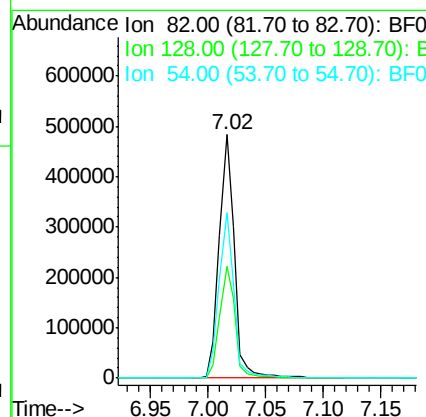
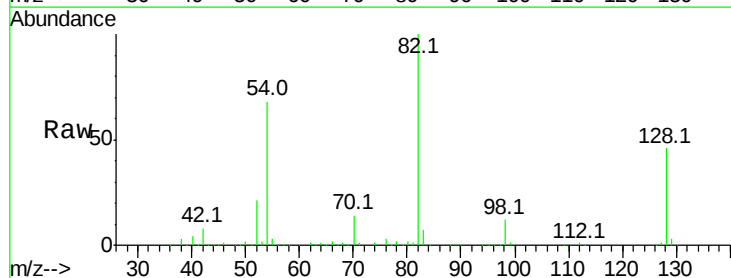
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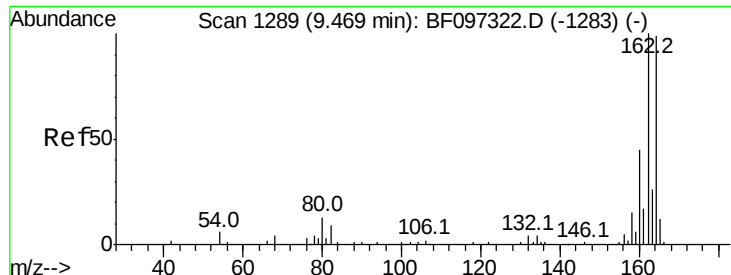
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#23
Nitrobenzene-d5
Concen: 53.522 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.8	34.0	51.0	
54	67.8	42.2	63.2#	





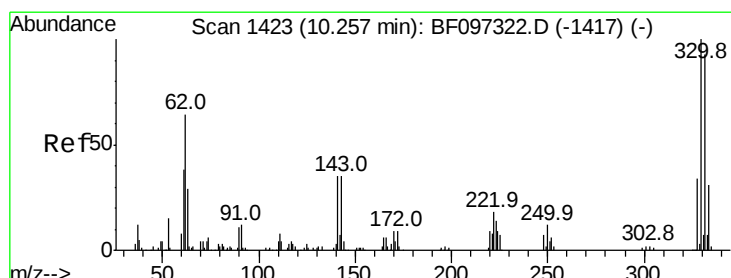
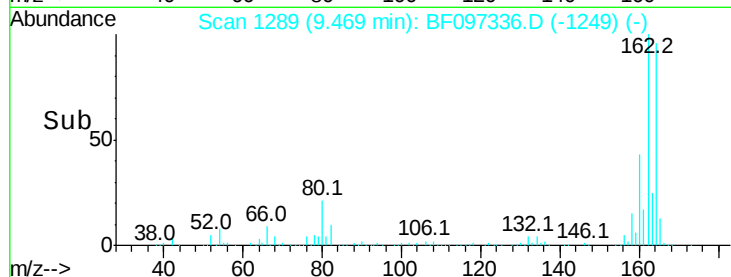
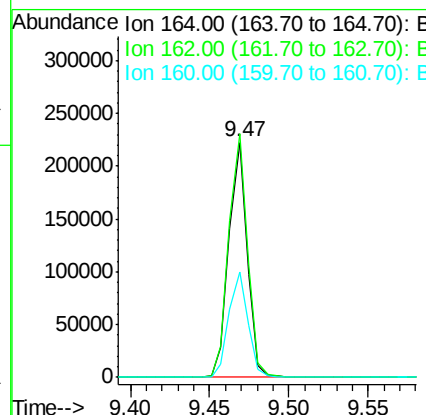
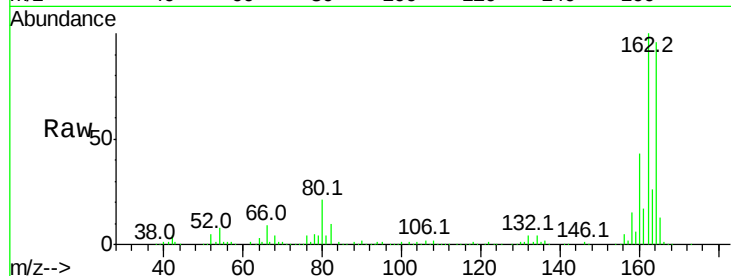
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.06 min
 Lab File: BF097336.D
 Acq: 4 Aug 2017 00:20

Instrument :
 BNA_F
 ClientSampleId :
 N-STOCKPILE-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	179051		
162	103.7	82.6	123.8	
160	44.8	36.2	54.2	

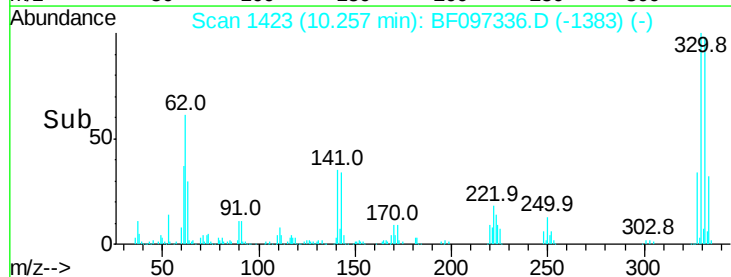
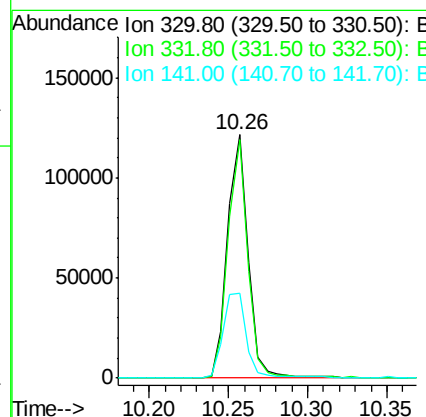
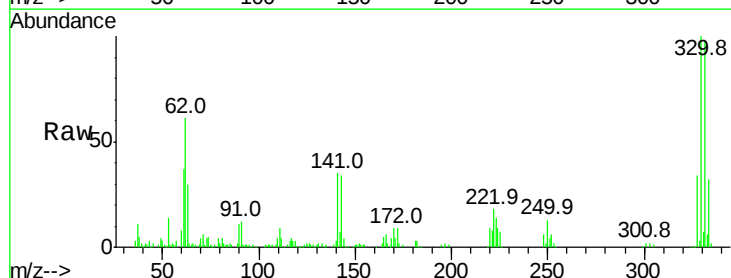
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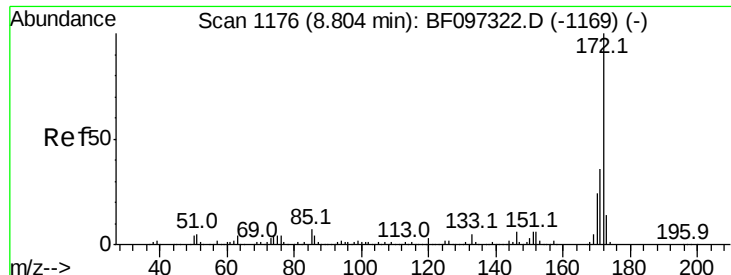
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#41
 2,4,6-Tribromophenol
 Concen: 77.669 ng
 RT: 10.26 min Scan# 1423
 Delta R.T. -0.06 min
 Lab File: BF097336.D
 Acq: 4 Aug 2017 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	109877		
332	94.9	76.6	115.0	
141	41.3	31.4	47.2	





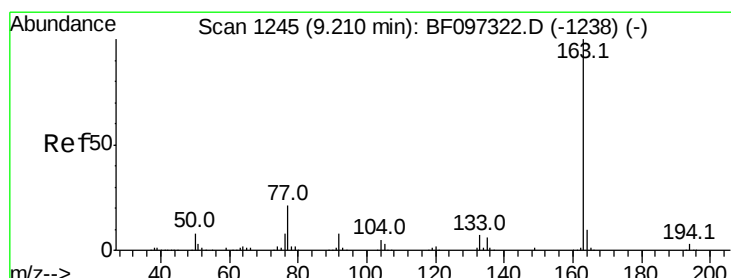
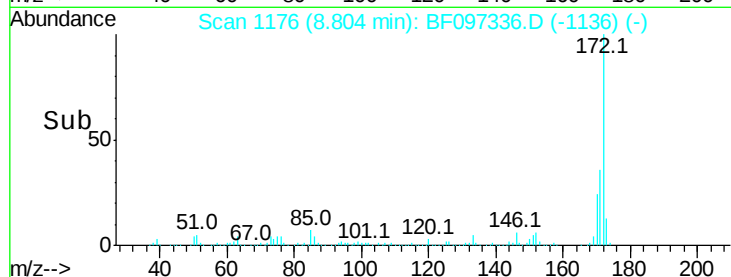
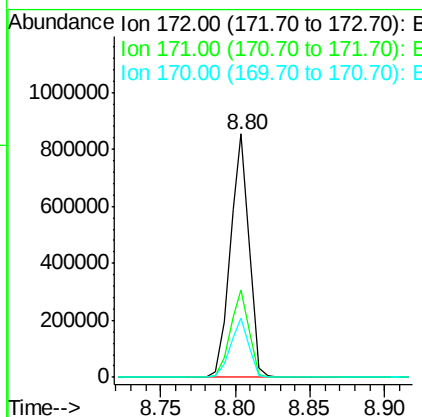
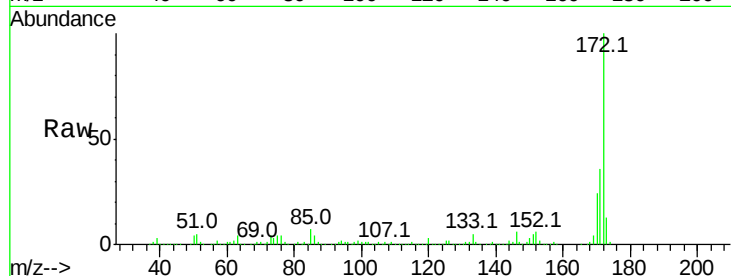
#44
2-Fluorobiphenyl
Concen: 71.741 ng
RT: 8.80 min Scan# 1176
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
N-STOCKPILE-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.6	44.4	
170	24.3	19.8	29.8	

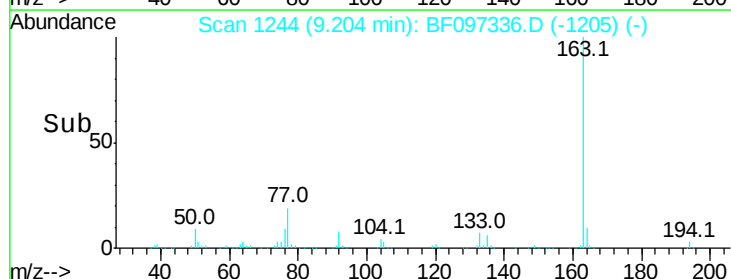
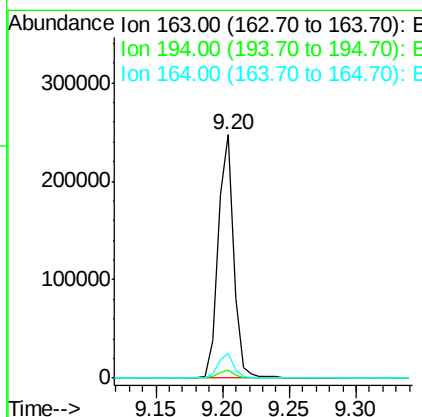
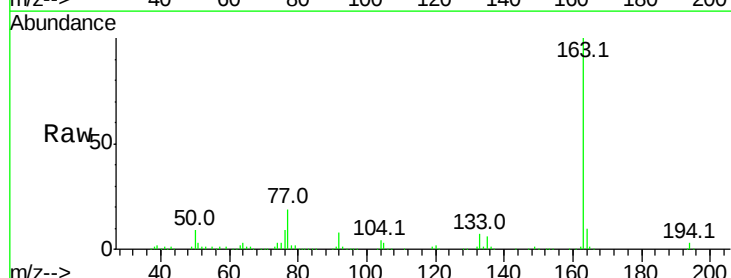
Manual Integrations
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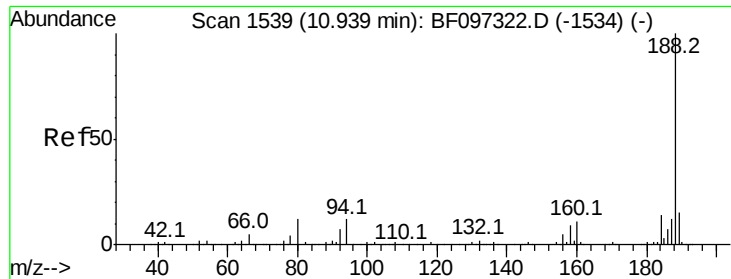
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#49
Dimethylphthalate
Concen: 15.022 ng
RT: 9.20 min Scan# 1244
Delta R.T. -0.07 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.1	2.6	4.0	
164	10.0	8.4	12.6	





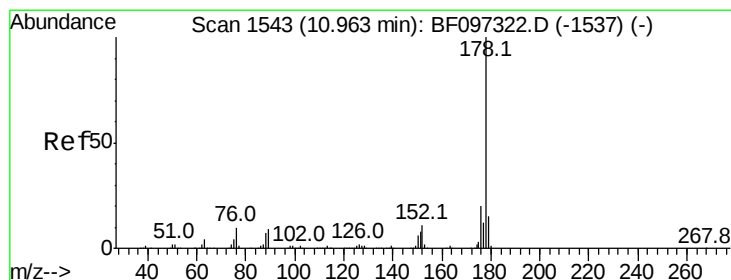
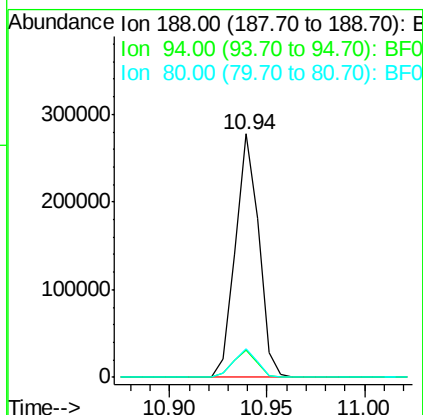
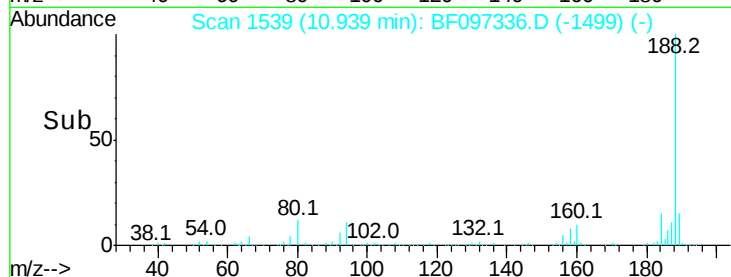
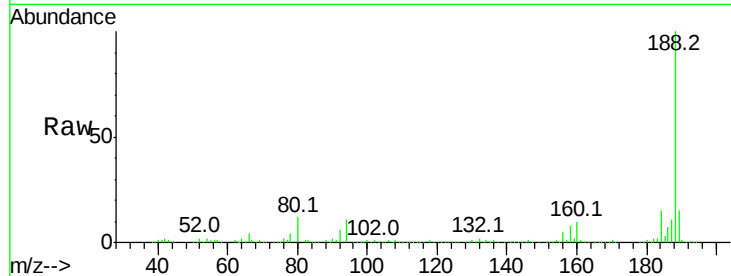
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.94 min Scan# 1539
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
N-STOCKPILE-COMP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	231584		
94	11.5		9.4	14.2
80	11.8		10.2	15.2

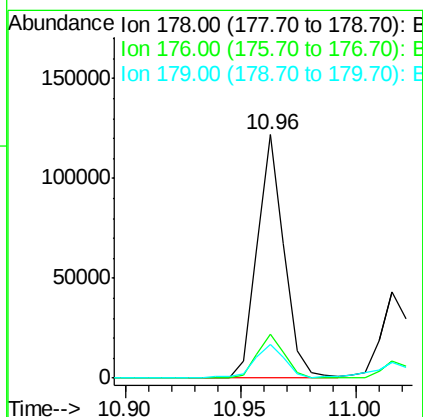
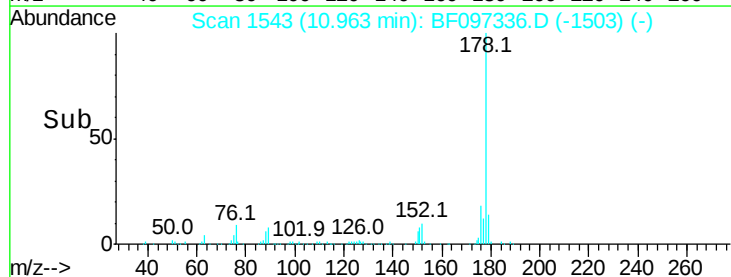
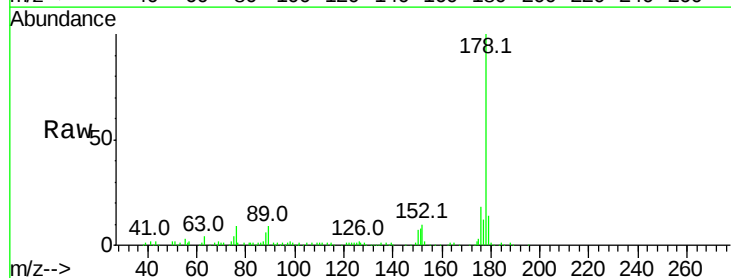
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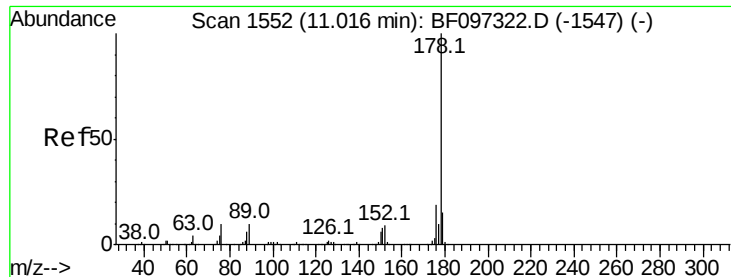
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#70
Phenanthrene
Concen: 8.007 ng
RT: 10.96 min Scan# 1543
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	99350		
176	18.1		16.2	24.4
179	14.1		12.6	19.0





#71

Anthracene

Concen: 2.840 ng

RT: 11.02 min Scan# 1552

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

N-STOCKPILE-COMP

Tot Ion:178 Resp: 36089

Ion Ratio Lower Upper

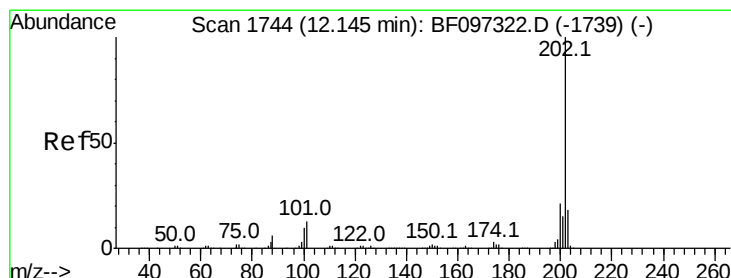
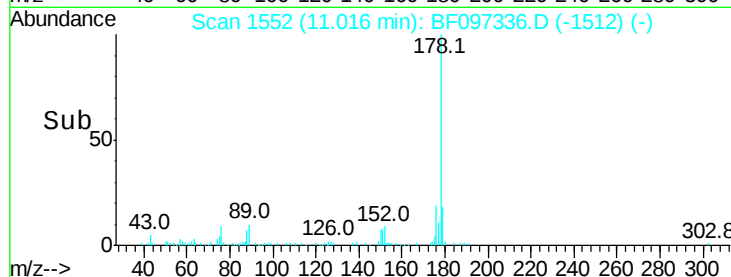
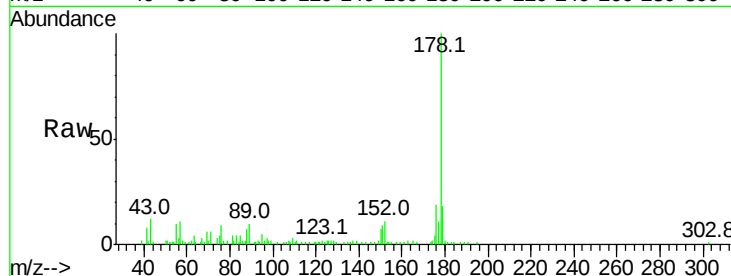
178 100

176 19.2 15.8 23.8

179 17.7 12.7 19.1

Manual Integrations
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#74

Fluoranthene

Concen: 17.360 ng

RT: 12.15 min Scan# 1744

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

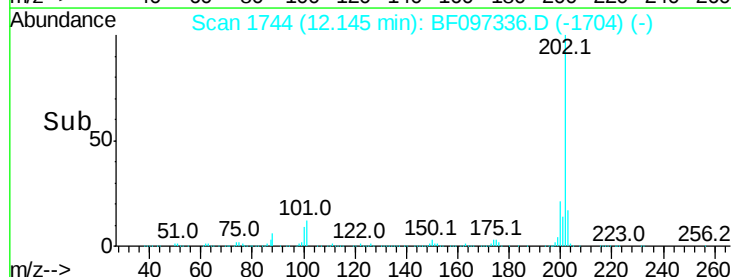
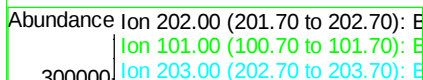
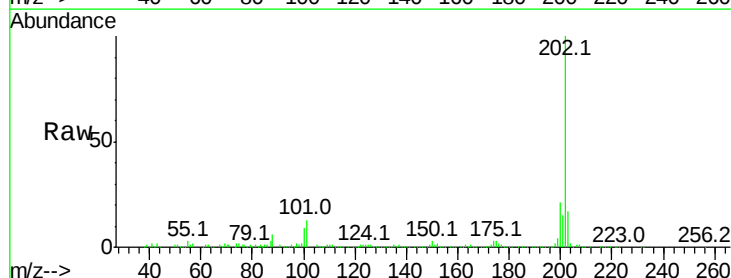
Tgt Ion:202 Resp: 211032

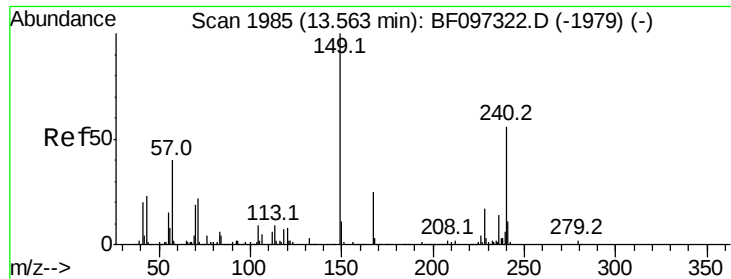
Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.2

203 17.0 0.0 38.1





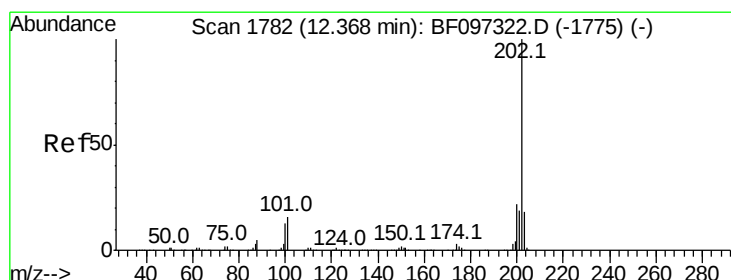
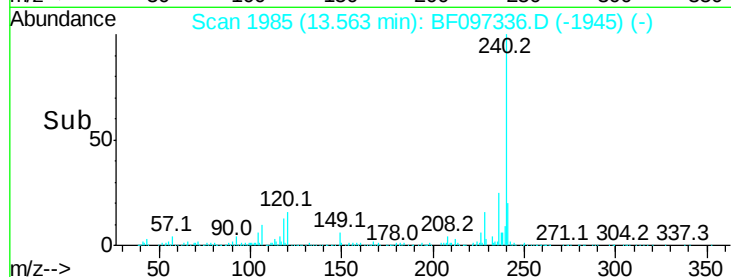
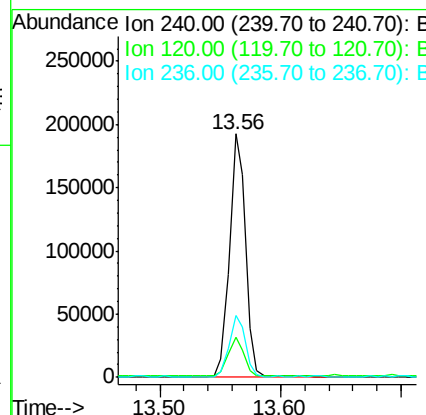
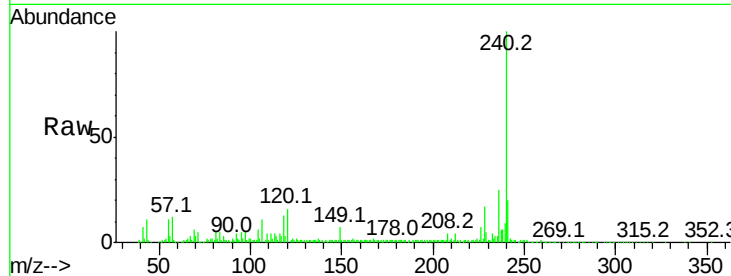
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.56 min Scan# 1985
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
N-STOCKPILE-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.3	5.8	8.8#
236	25.4	20.5	30.7

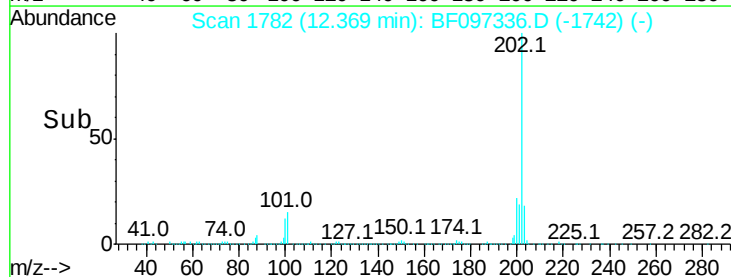
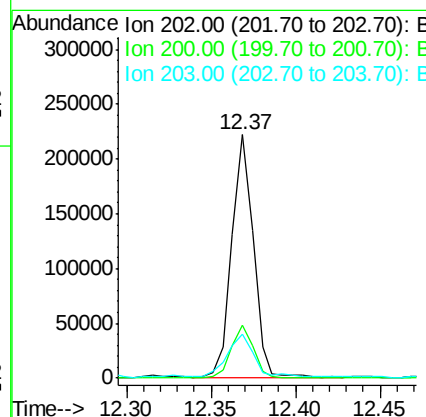
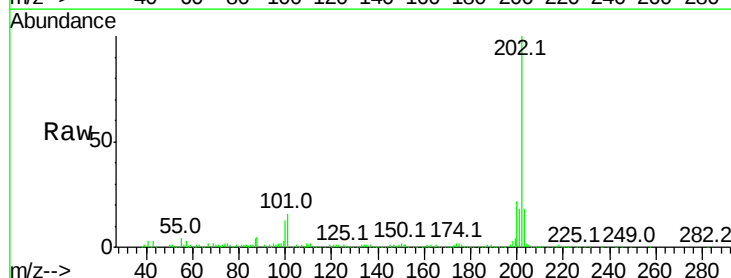
Manual Integrations
APPROVED

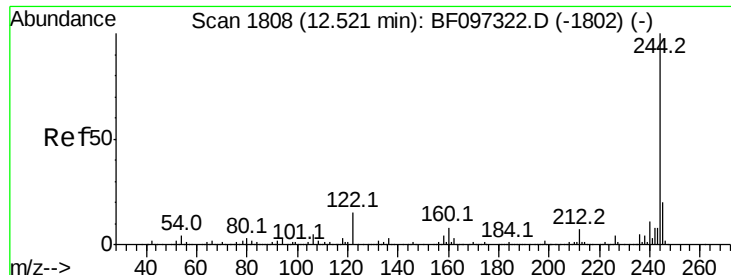
Sohil
8/4/2017 5:30:53 PM



#77
Pyrene
Concen: 13.620 ng
RT: 12.37 min Scan# 1782
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	18.2	14.4	21.6





#78

Terphenyl-d14

Concen: 53.305 ng

RT: 12.52 min Scan# 1808

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

N-STOCKPILE-COMP

Tot Ion:244 Resp: 458398

Ion Ratio Lower Upper

244 100

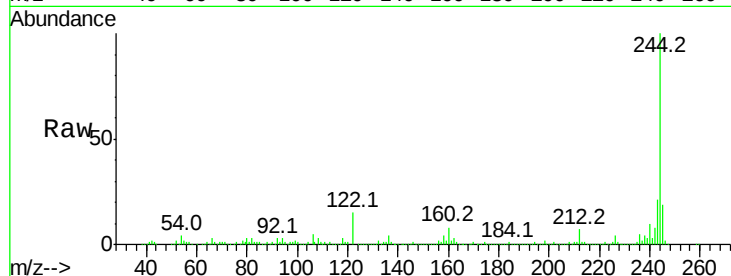
212 6.8 6.0 9.0

122 15.4 10.3 15.5

Manual Integrations
APPROVED

Sohil

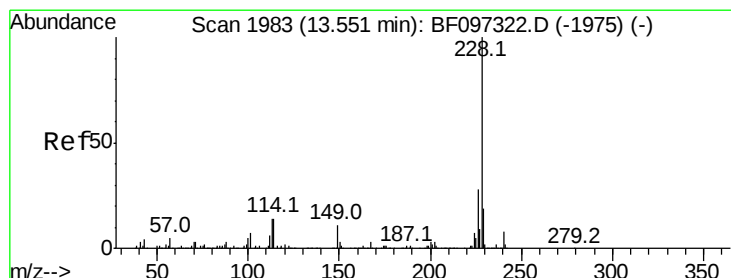
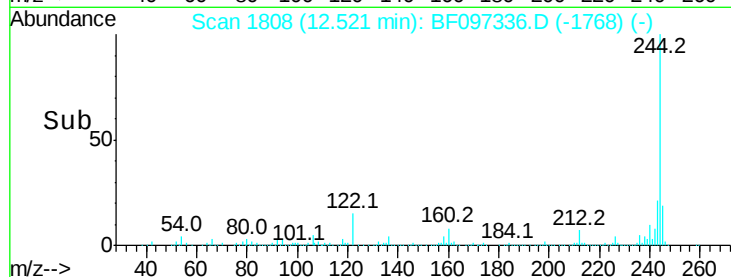
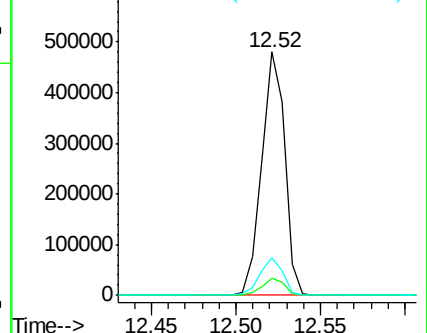
8/4/2017 5:30:53 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 7.008 ng

RT: 13.56 min Scan# 1984

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

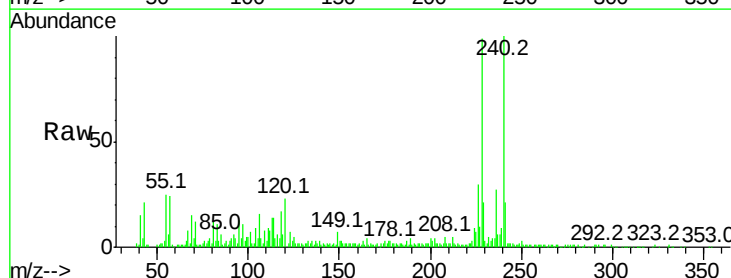
Tgt Ion:228 Resp: 79503

Ion Ratio Lower Upper

228 100

226 29.7 22.6 33.8

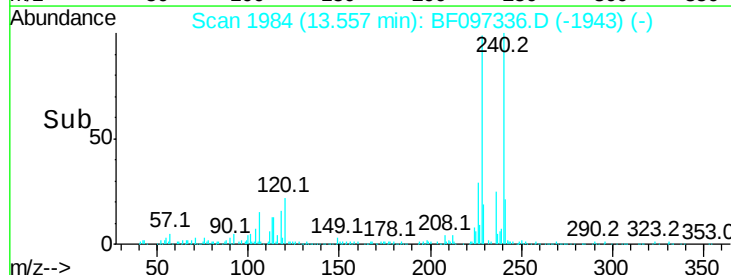
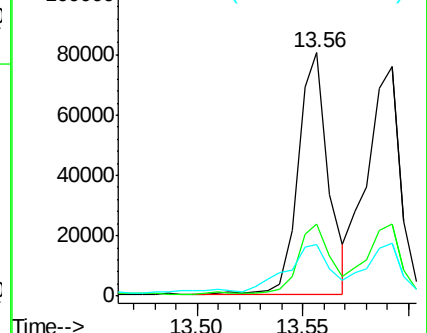
229 21.0 16.3 24.5

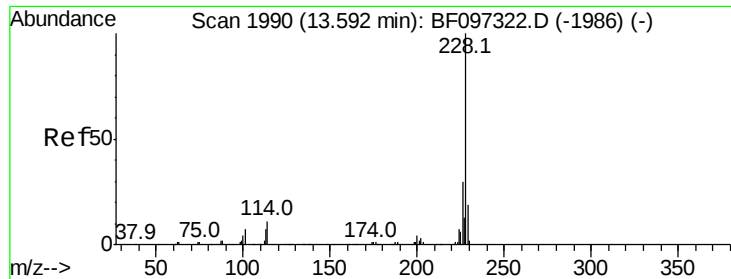


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





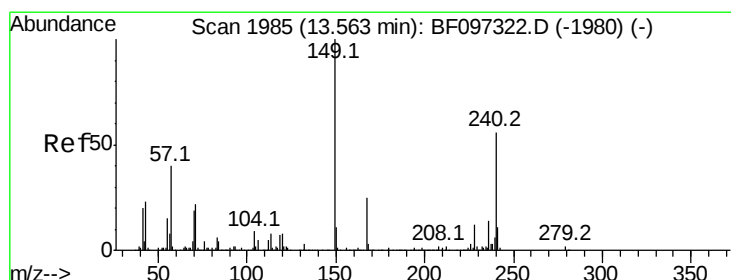
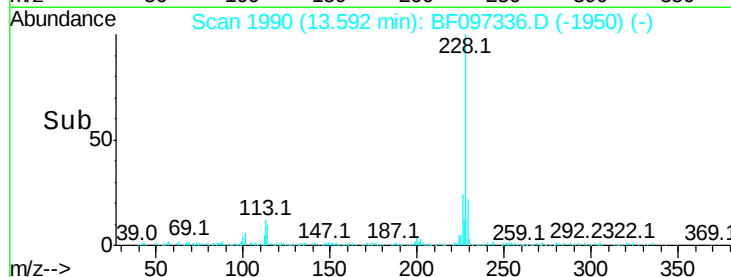
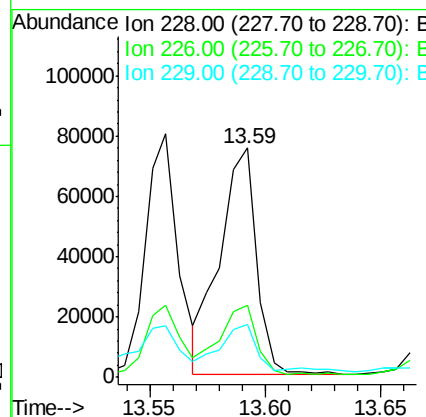
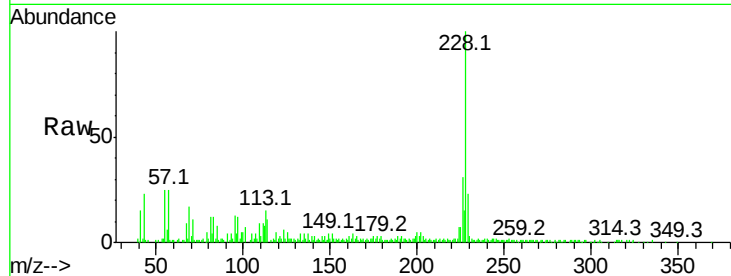
#82
Chrysene
Concen: 7.516 ng
RT: 13.59 min Scan# 1990
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
N-STOCKPILE-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	23.2	15.8	23.6

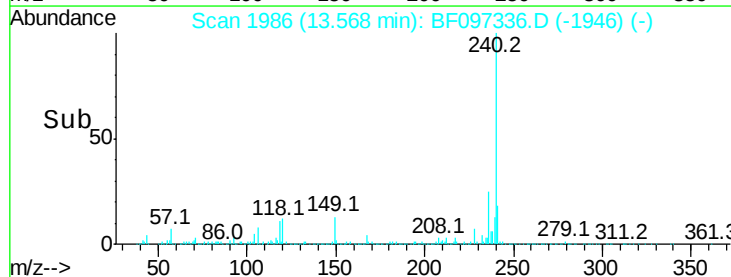
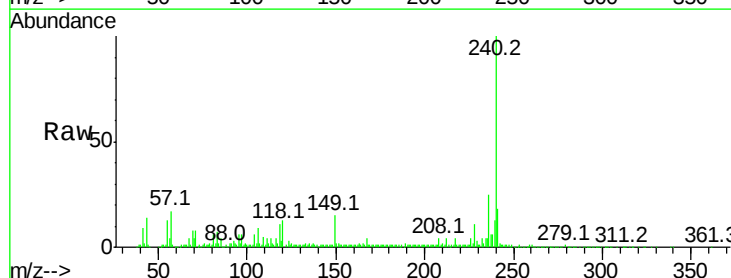
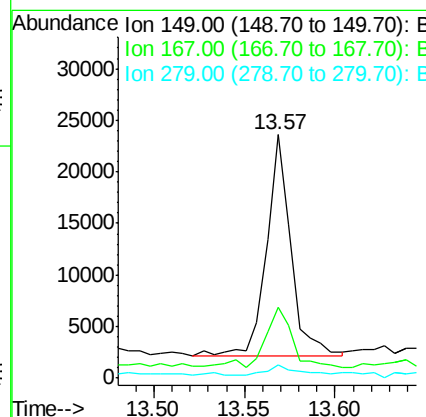
Manual Integrations
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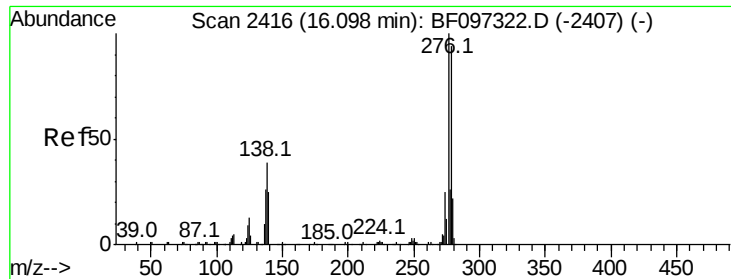
Sohil
8/4/2017 5:30:53 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 2.095 ng
RT: 13.57 min Scan# 1986
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.0	21.0	31.4
279	5.6	1.9	2.9#





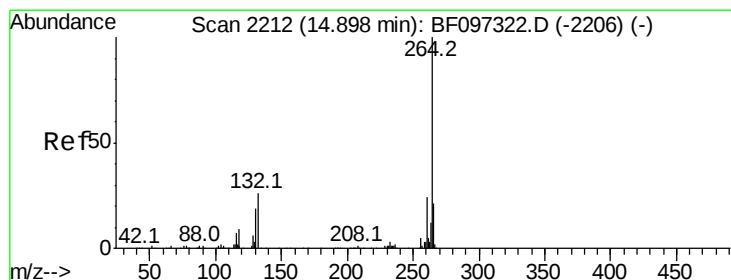
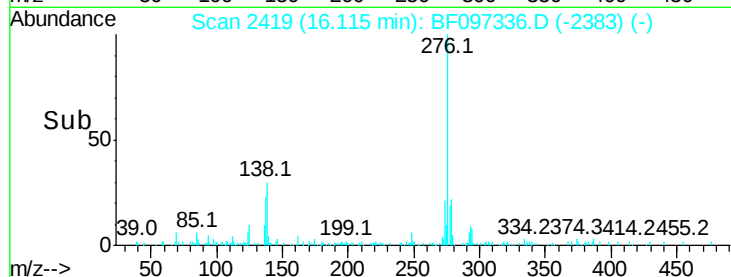
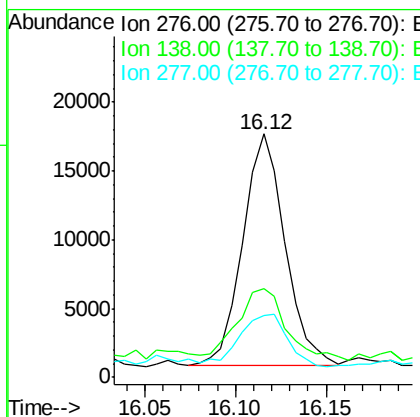
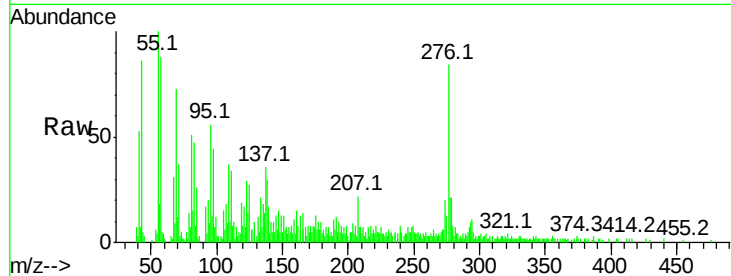
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.855 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.09 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
N-STOCKPILE-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	36.1	27.8	41.6
277	26.1	20.2	30.4

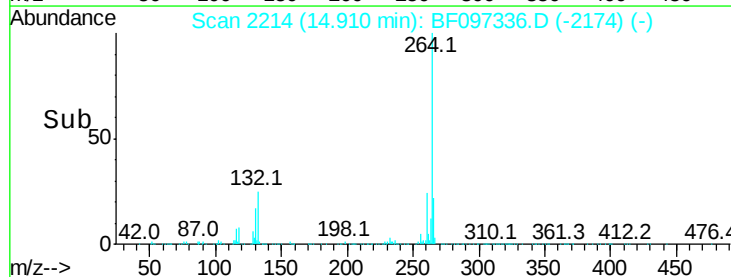
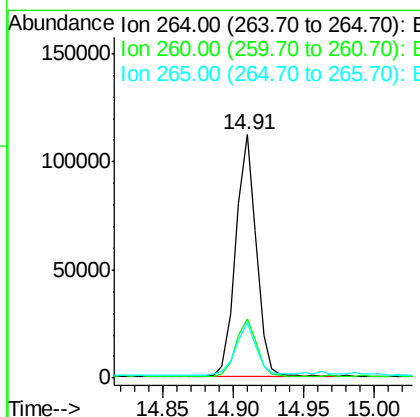
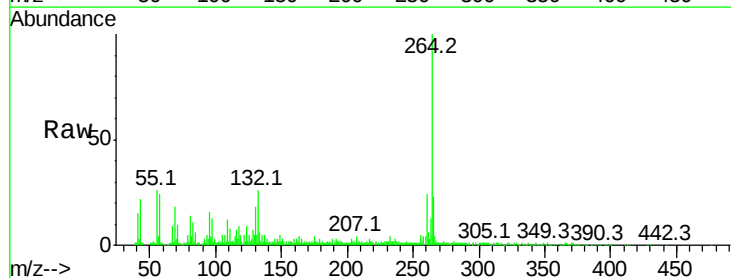
Manual Integrations
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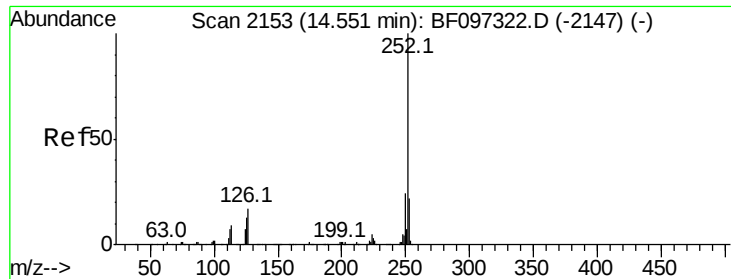
Sohil
8/4/2017 5:30:53 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.983 ng m

RT: 14.56 min Scan# 2154

Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Instrument :

BNA_F

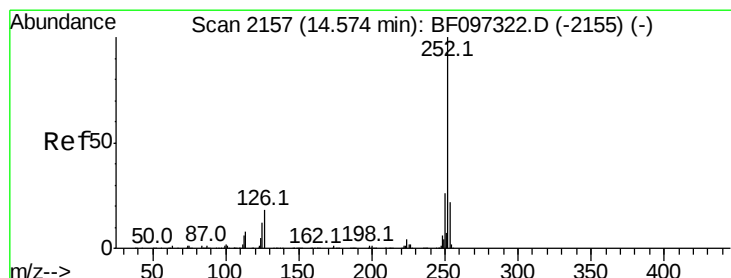
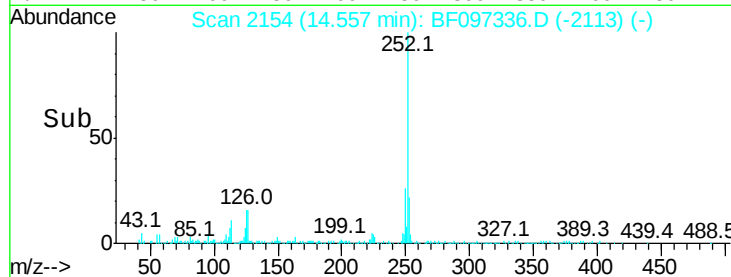
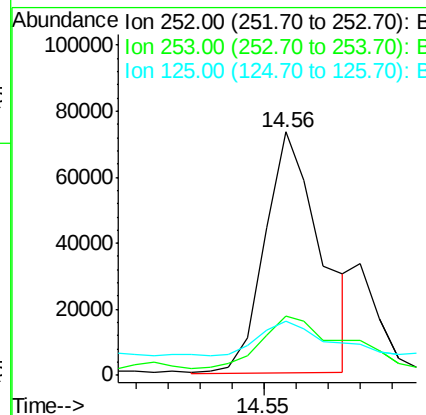
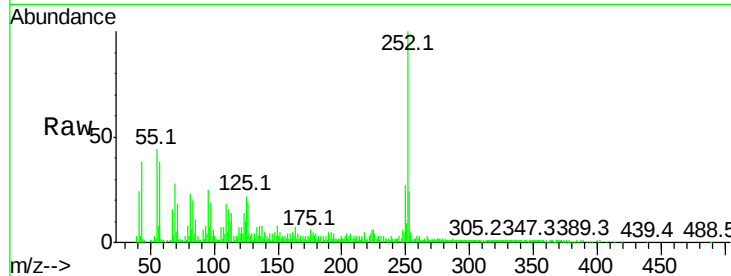
ClientSampleId :

N-STOCKPILE-COMP

Tot Ion:	252	Resp:	88285
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.1	27.1
125	22.2	9.8	14.8#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.139 ng m

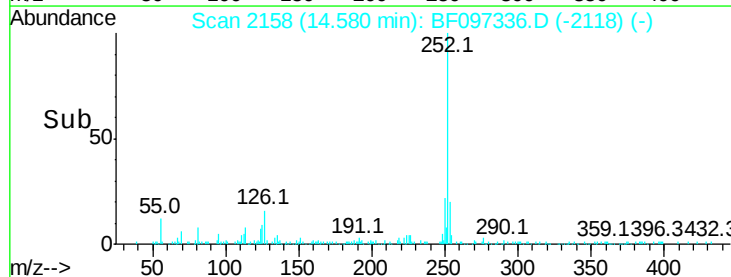
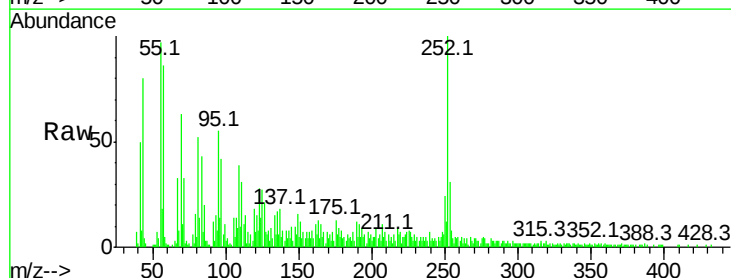
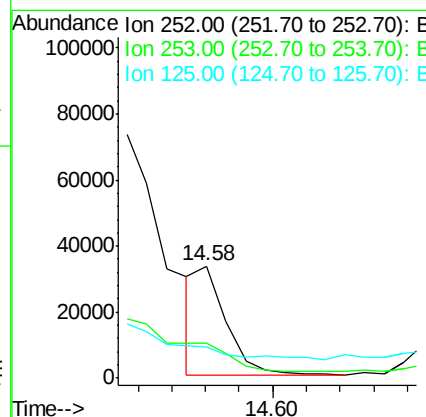
RT: 14.58 min Scan# 2158

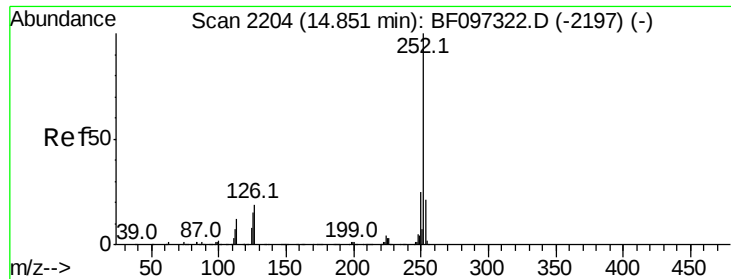
Delta R.T. -0.06 min

Lab File: BF097336.D

Acq: 4 Aug 2017 00:20

Tgt Ion:	252	Resp:	20340
Ion Ratio	Lower	Upper	
252	100		
253	31.0	18.4	27.6#
125	27.4	13.1	19.7#





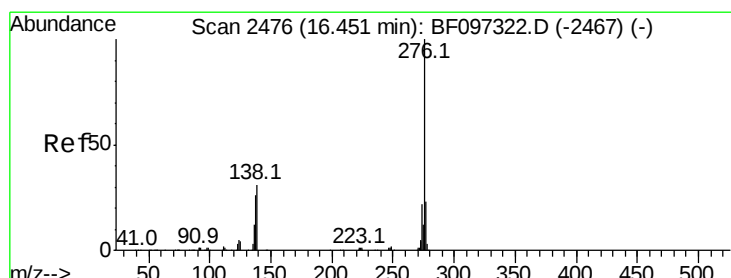
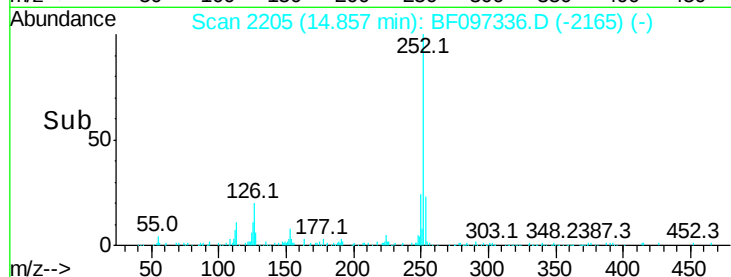
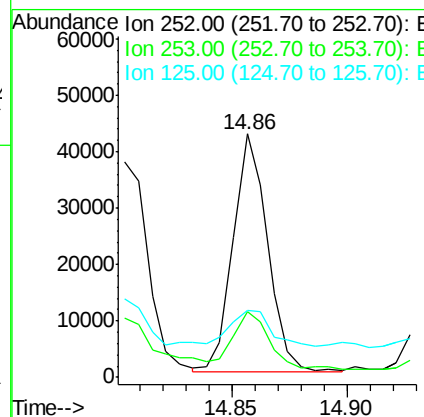
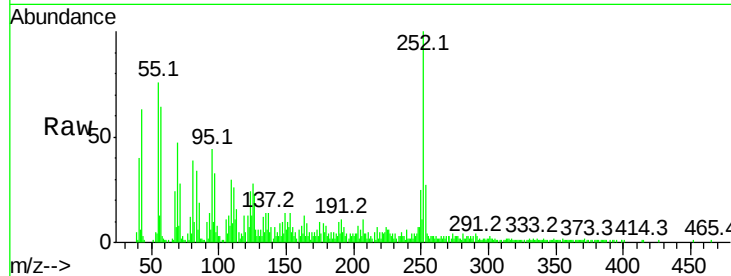
#89
Benzo(a)pyrene
Concen: 7.099 ng
RT: 14.86 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
N-STOCKPILE-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.5	26.3#
125	27.5	11.0	16.4#

Manual Integrations
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8/4/2017 5:30:53 PM



#91
Benzo(g,h,i)perylene
Concen: 4.936 ng
RT: 16.47 min Scan# 2480
Delta R.T. -0.09 min
Lab File: BF097336.D
Acq: 4 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.6	28.0
138	32.8	25.4	38.0

