

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107469.D
 Acq On : 18 Jul 2018 11:34
 Operator : JU/SJ
 Sample : J3906-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-NEWSAN

Manual Integrations
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Quant Time: Jul 19 14:18:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 11:29:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	110243	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	427062	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	216702	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	375620	20.00	ng	0.00
75) Chrysene-d12	14.18	240	270384m	20.00	ng	0.01
86) Perylene-d12	15.73	264	252414	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	648808	89.38	ng	0.00
7) Phenol-d6	6.61	99	893357	95.19	ng	0.00
23) Nitrobenzene-d5	7.55	82	658250	82.19	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	180922	95.02	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1014109	77.01	ng	0.00
78) Terphenyl-d14	13.11	244	763395	70.15	ng	0.00
Target Compounds						
10) Phenol	6.62	94	22253	2.212	ng	Qvalue # 73
31) Naphthalene	8.29	128	69262	3.339	ng	97
37) 2-Methylnaphthalene	8.98	142	38489	2.815	ng	# 76
49) Dimethylphthalate	9.74	163	209270	12.154	ng	# 95
51) Acenaphthene	10.06	154	47218	3.449	ng	# 70
54) Dibenzofuran	10.24	168	51211	2.421	ng	# 90
57) Fluorene	10.58	166	65438	4.670	ng	# 92
70) Phenanthrene	11.55	178	724230	38.689	ng	97
71) Anthracene	11.60	178	159222	8.540	ng	98
72) Carbazole	11.75	167	71366	4.043	ng	# 82
74) Fluoranthene	12.77	202	869906	40.886	ng	92
77) Pvrene	12.98	202	761400	41.411	ng	99
80) Benzo(a)anthracene	14.17	228	347454	21.002	ng	# 96
82) Chrysene	14.21	228	313809	19.857	ng	# 94
85) Indeno(1,2,3-cd)pyrene	17.31	276	180196	16.019	ng	# 86
87) Benzo(b)fluoranthene	15.27	252	436643m	29.554	ng	
88) Benzo(k)fluoranthene	15.29	252	120282m	8.342	ng	
89) Benzo(a)pyrene	15.67	252	294990	21.754	ng	97
90) Dibenzo(a,h)anthracene	17.32	278	47431	4.635	ng	# 88
91) Benzo(a,h,i)perylene	17.79	276	172564	16.594	ng	# 87

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

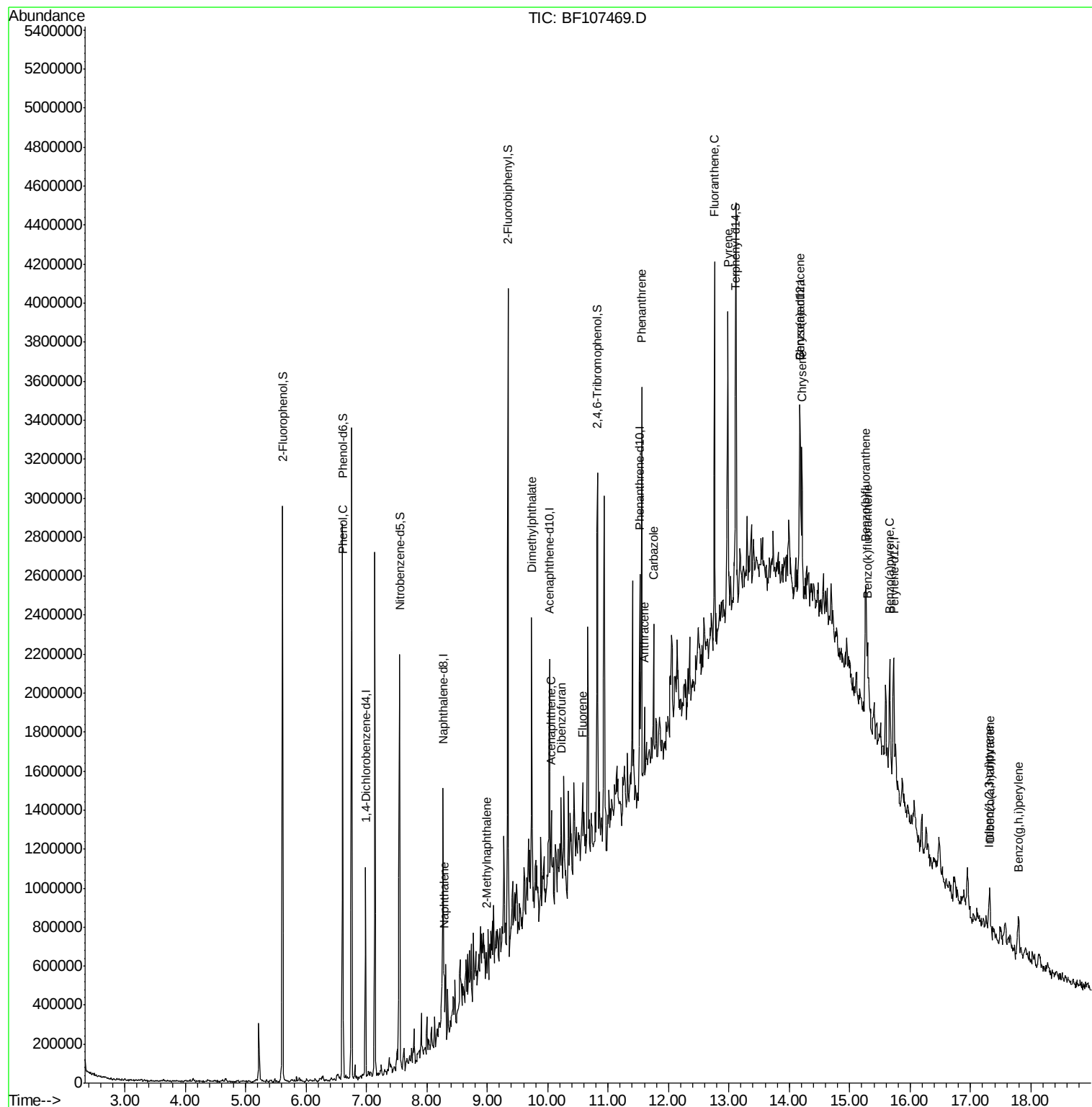
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107469.D
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Misc :
ALS Vial : 7 Sample Multiplier: 1

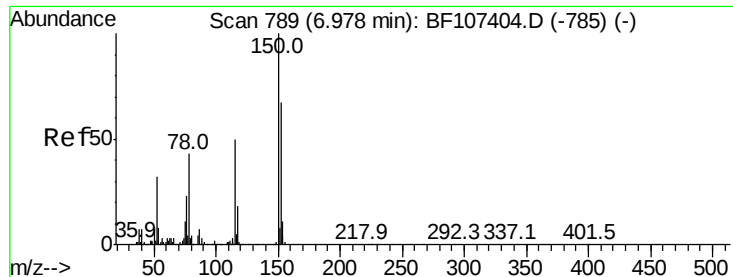
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.98 min Scan# 790

Delta R.T. 0.00 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Instrument :

BNA_F

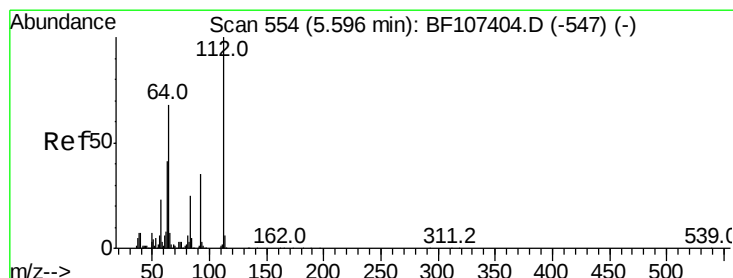
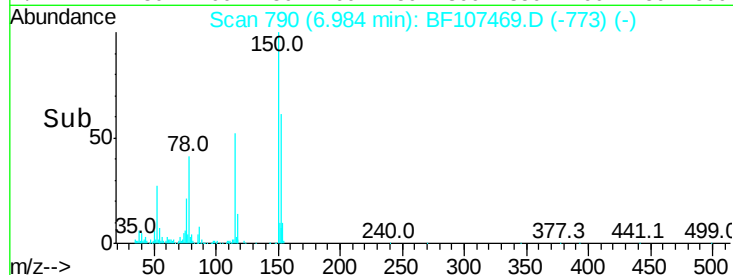
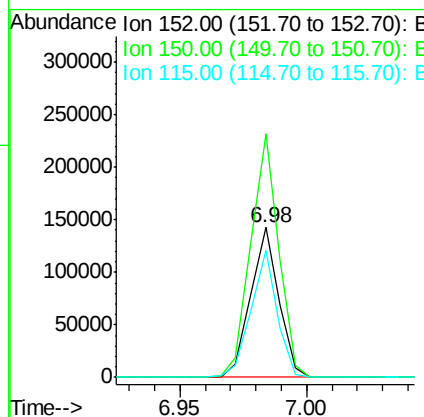
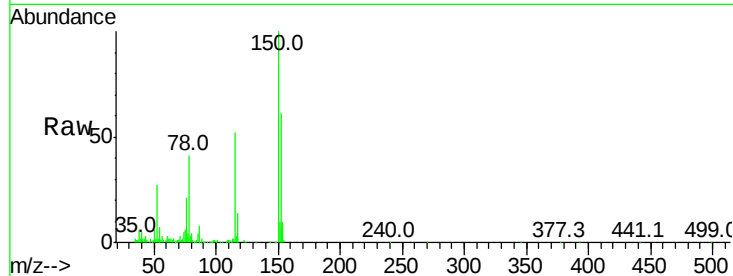
ClientSampleId :

STOCKPILE-NEWSAN

Tot Ion:	152	Resp:	110243
Ion Ratio	Lower	Upper	
152	100		
150	162.6	124.6	186.8
115	84.8	50.1	75.1#

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#5

2-Fluorophenol

Concen: 89.382 ng

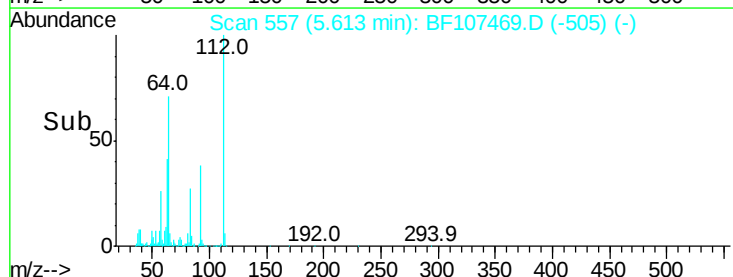
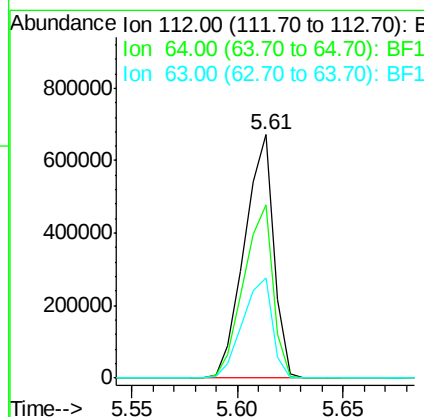
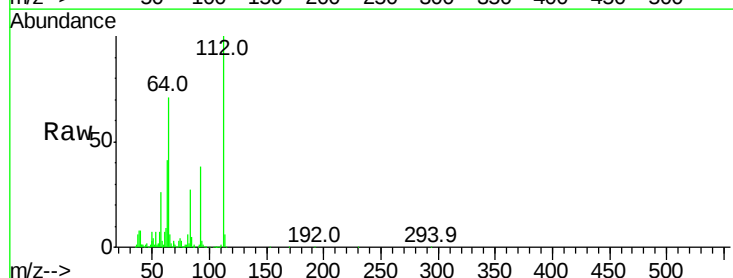
RT: 5.61 min Scan# 557

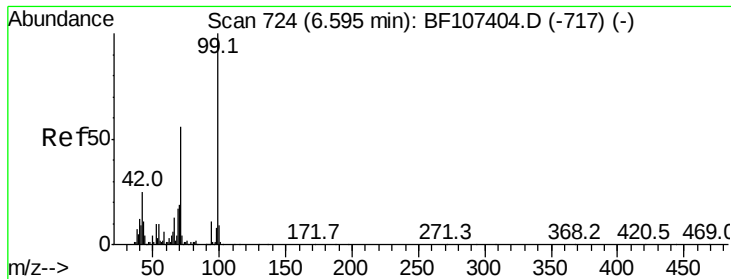
Delta R.T. 0.01 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Tgt Ion:	112	Resp:	648808
Ion Ratio	Lower	Upper	
112	100		
64	71.2	47.9	71.9
63	41.4	23.7	35.5#





#7

Phenol-d6

Concen: 95.191 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Instrument :

BNA_F

ClientSampleId :

STOCKPILE-NEWSAN

Tot Ion: 99 Resp: 893357

Ion Ratio Lower Upper

99 100

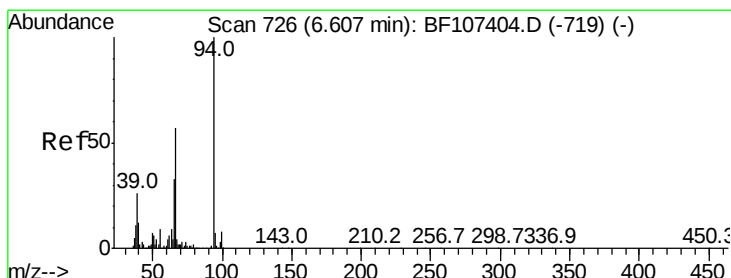
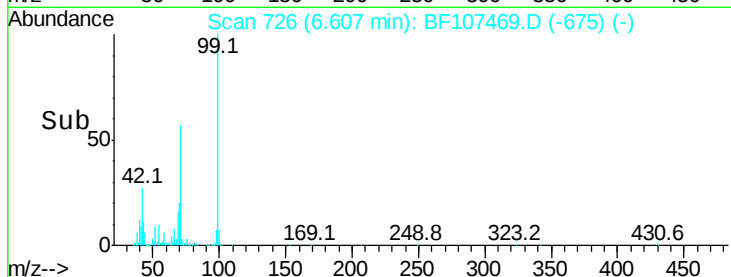
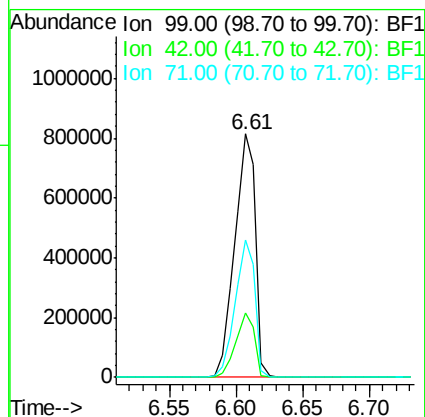
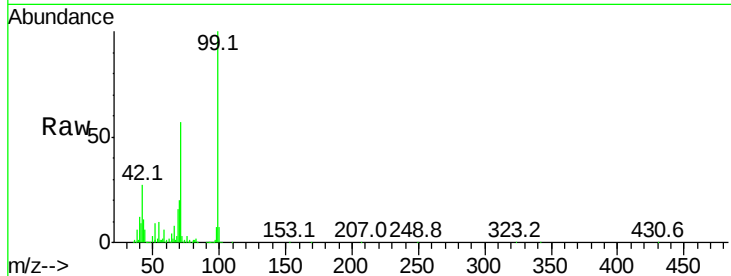
42 26.6 14.5 21.7#

71 56.6 25.4 38.0#

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#10

Phenol

Concen: 2.212 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

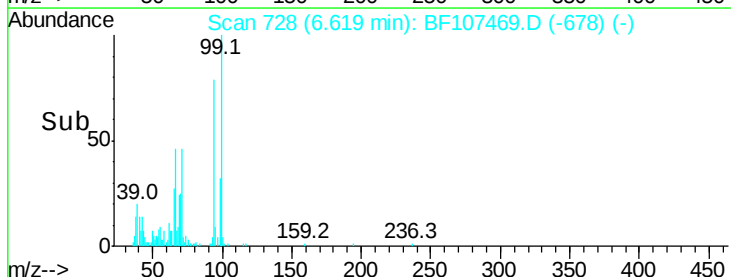
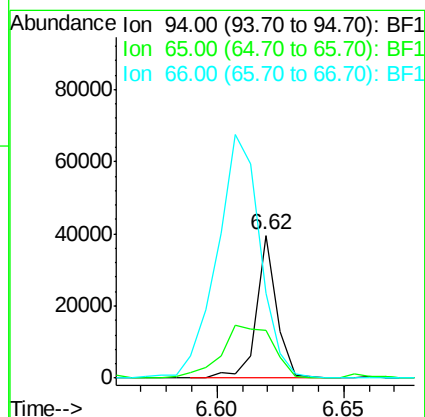
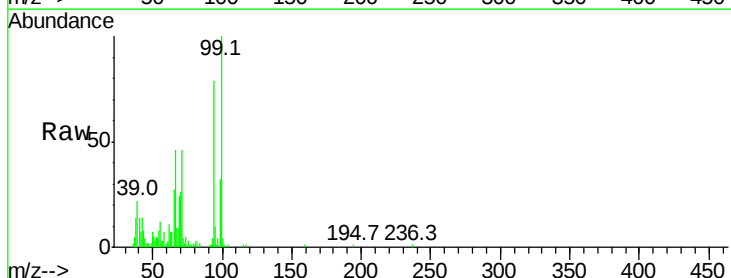
Tgt Ion: 94 Resp: 22253

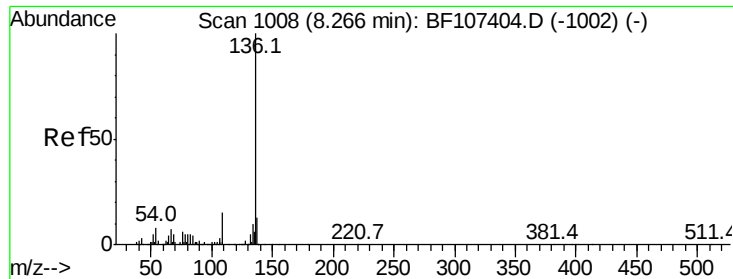
Ion Ratio Lower Upper

94 100

65 33.8 7.9 47.9

66 59.1 16.2 56.2#





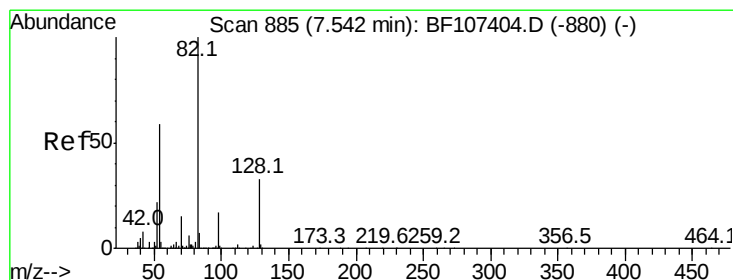
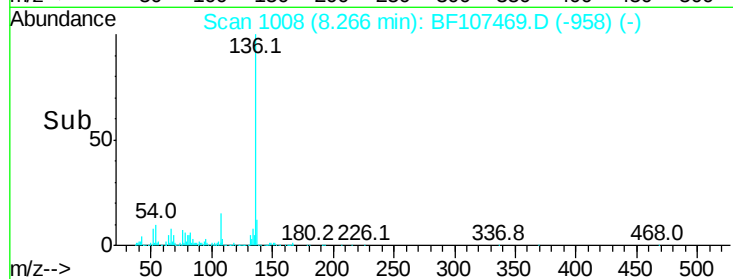
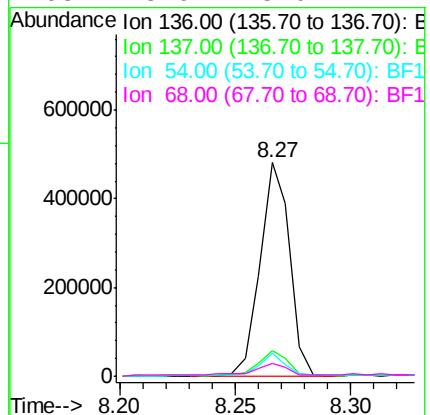
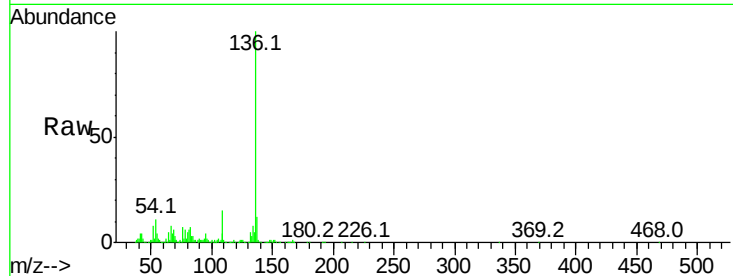
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF107469.D
Acq: 18 Jul 2018 11:34

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-NEWSAN

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.9	8.9	13.3
54	10.7	6.6	9.8
68	5.9	5.0	7.4

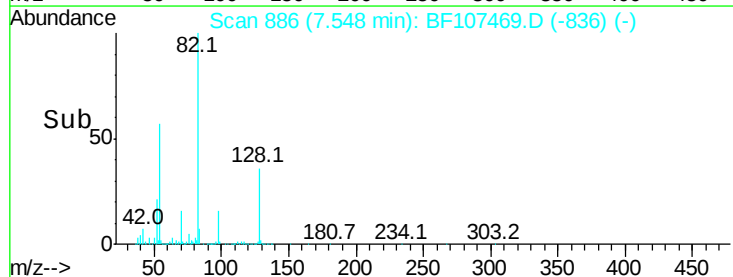
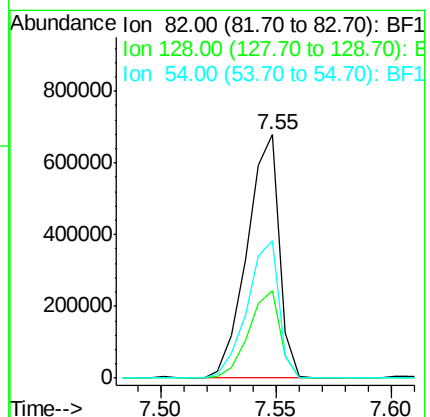
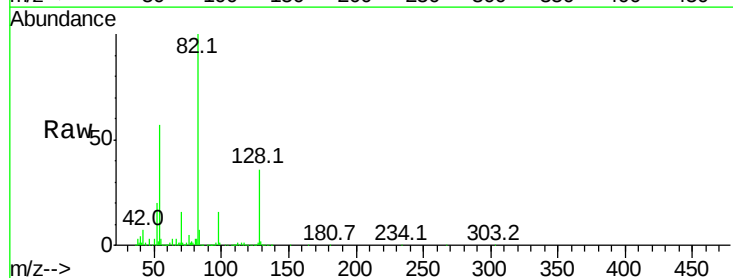
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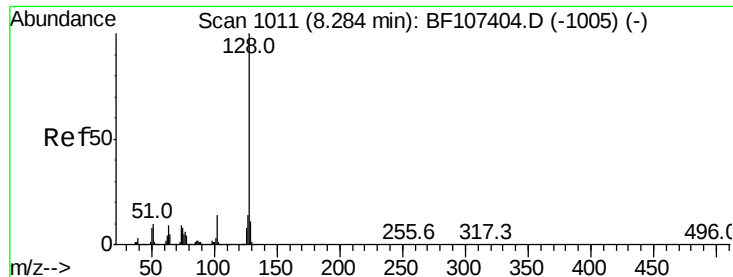
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#23
Nitrobenzene-d5
Concen: 82.191 ng
RT: 7.55 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF107469.D
Acq: 18 Jul 2018 11:34

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	36.1	36.1	54.1
54	56.6	41.4	62.2





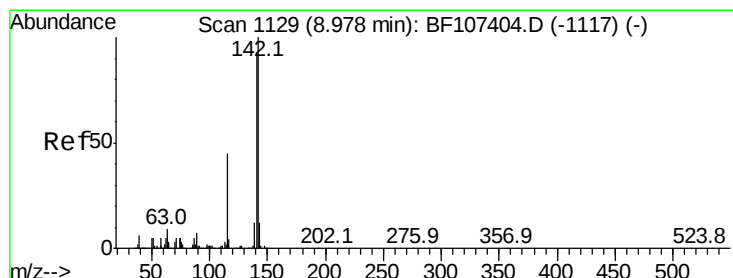
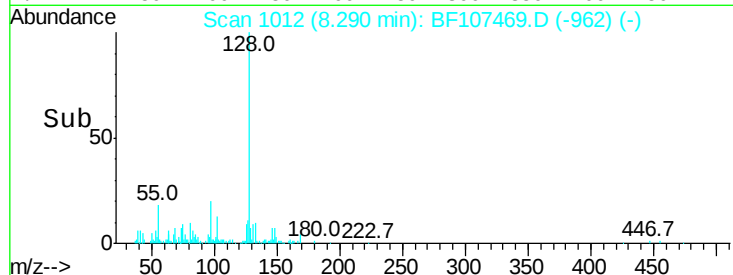
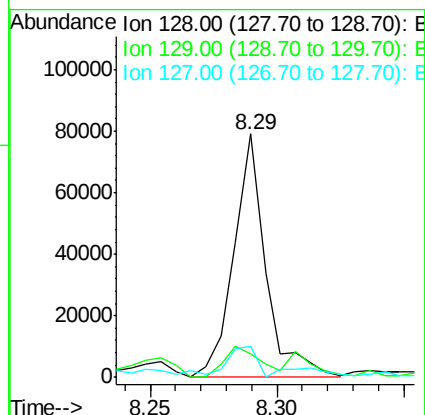
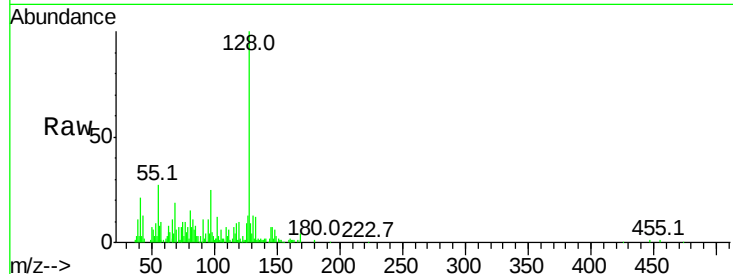
#31
Naphthalene
Concen: 3.339 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF107469.D
Acq: 18 Jul 2018 11:34

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
128	100		
129	9.5	8.8	13.2
127	12.8	10.9	16.3

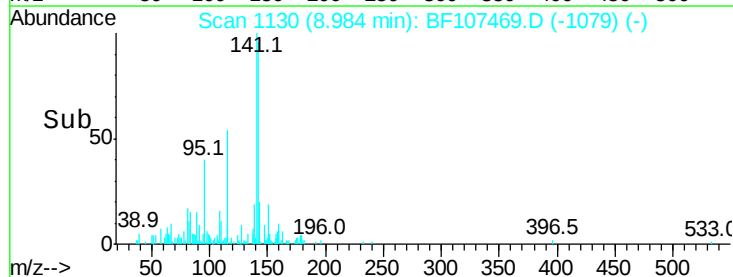
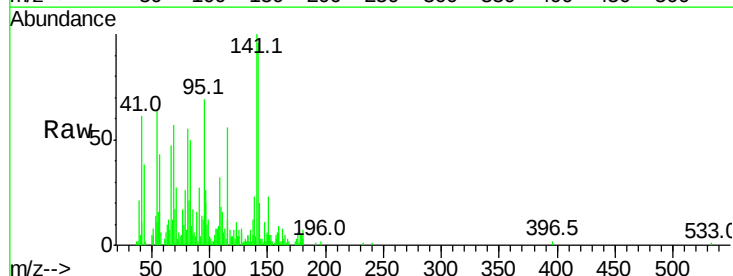
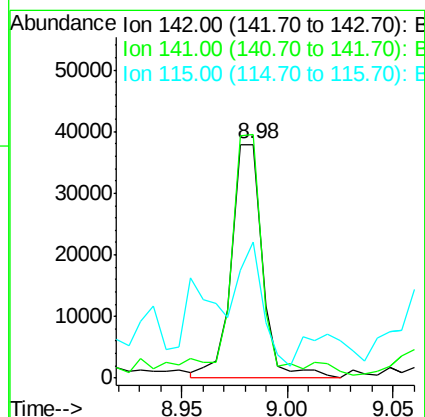
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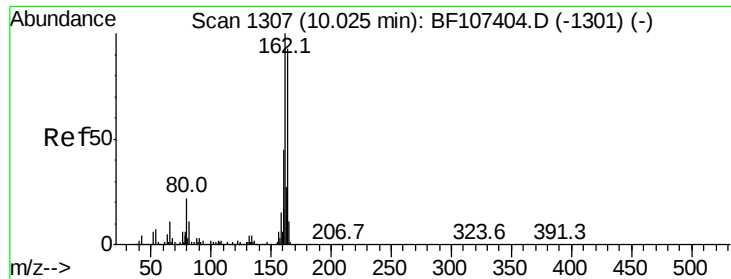
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#37
2-Methylnaphthalene
Concen: 2.815 ng
RT: 8.98 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF107469.D
Acq: 18 Jul 2018 11:34

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	104.2	70.8	106.2
115	58.0	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

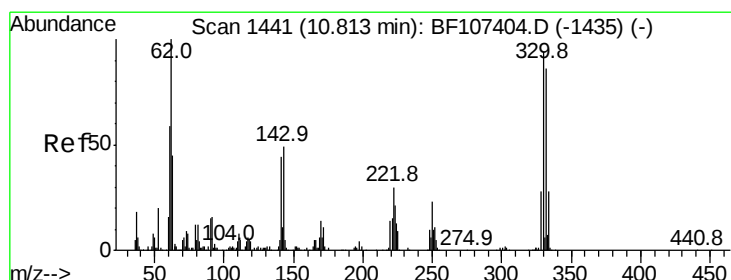
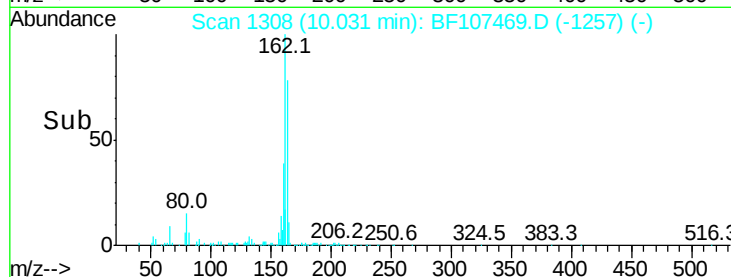
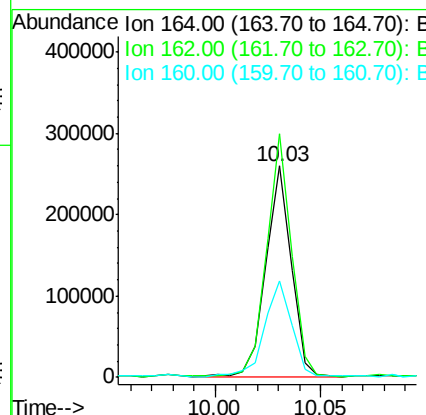
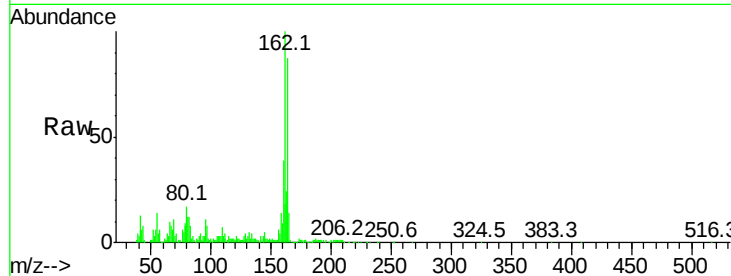
Instrument :
BNA_F

ClientSampleId :
STOCKPILE-NEWSAN

Tot Ion	Ratio	Lower	Upper
164	100		
162	115.2	86.1	129.1
160	45.4	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 95.023 ng

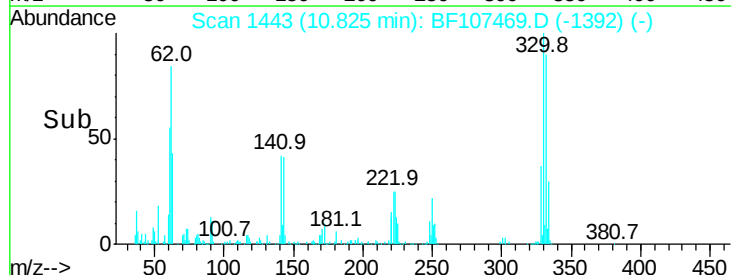
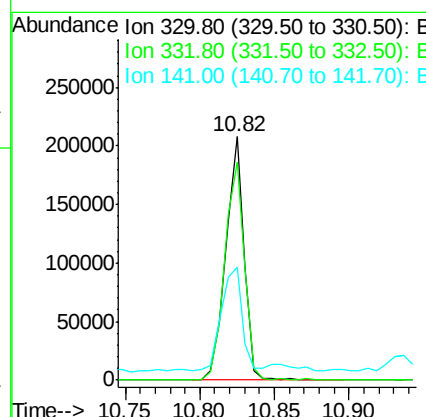
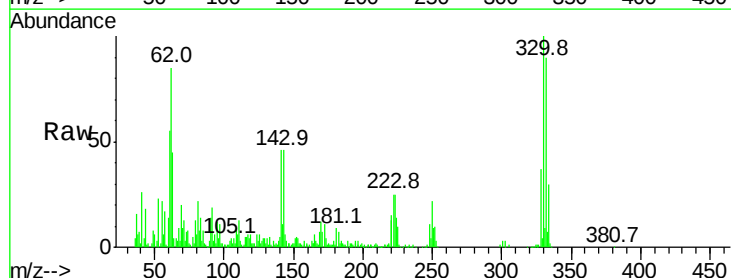
RT: 10.82 min Scan# 1443

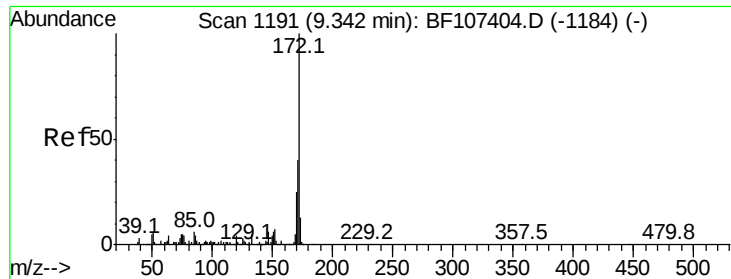
Delta R.T. 0.00 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	48.3	29.9	44.9#





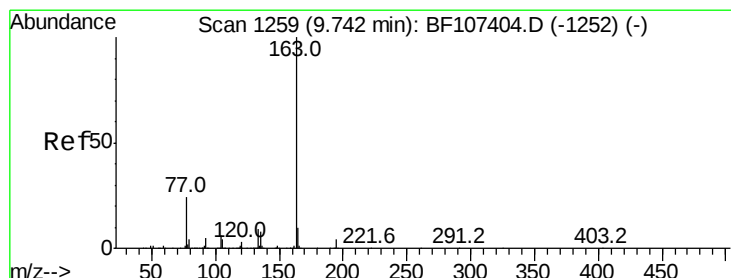
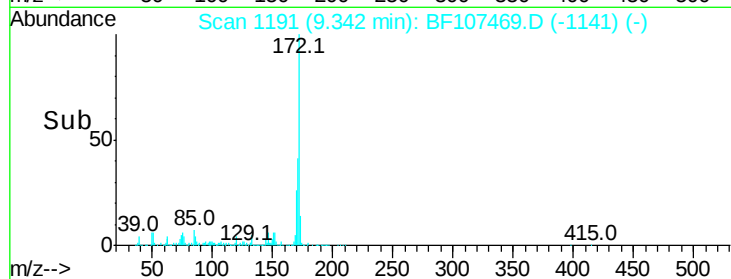
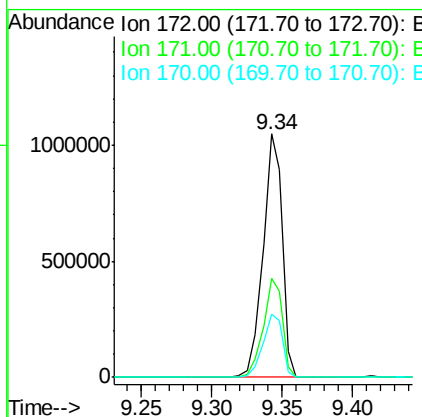
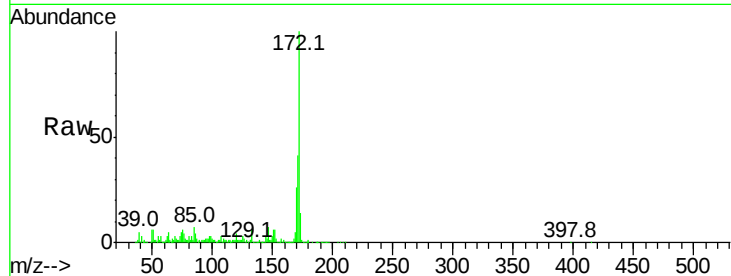
#44
2-Fluorobiphenyl
Concen: 77.008 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF107469.D
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STOCKPILE-NEWSAN

Tot Ion:172 Resp: 1014109
Ion Ratio Lower Upper
172 100
171 40.9 29.7 44.5
170 26.1 19.6 29.4

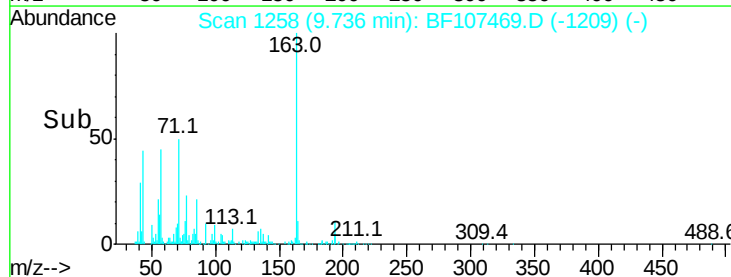
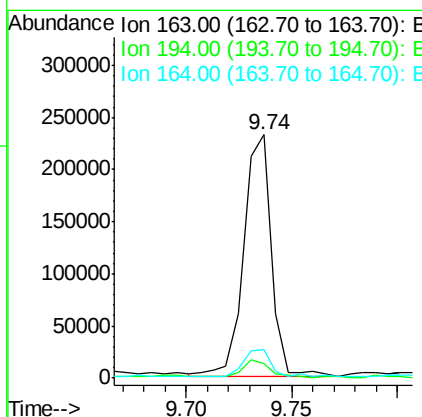
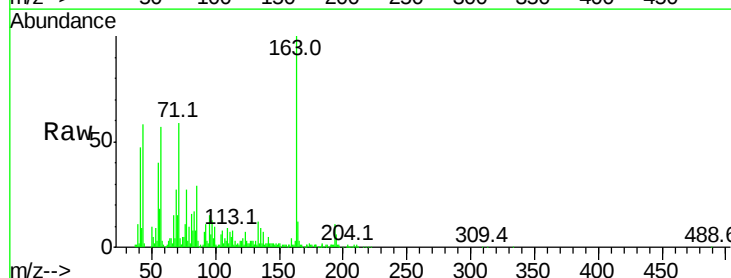
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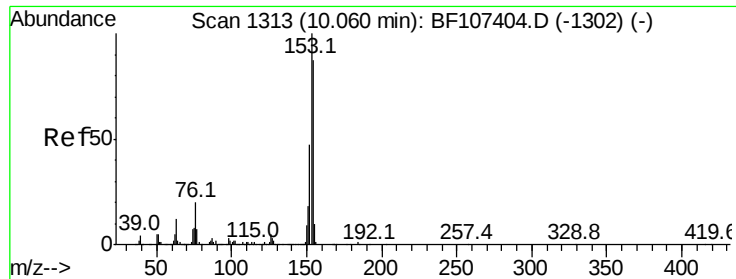
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#49
Dimethylphthalate
Concen: 12.154 ng
RT: 9.74 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF107469.D
Acq: 18 Jul 2018 11:34

Tgt Ion:163 Resp: 209270
Ion Ratio Lower Upper
163 100
194 6.1 2.7 4.1#
164 11.6 8.2 12.2





#51

Acenaphthene

Concen: 3.449 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Instrument :

BNA_F

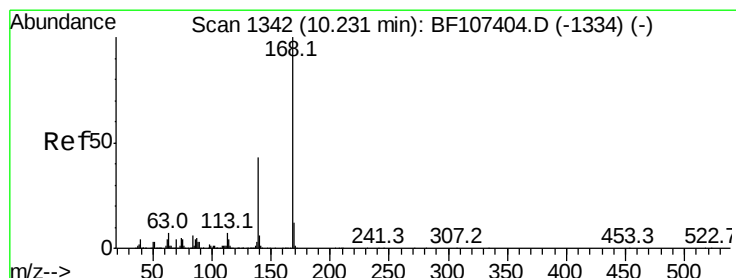
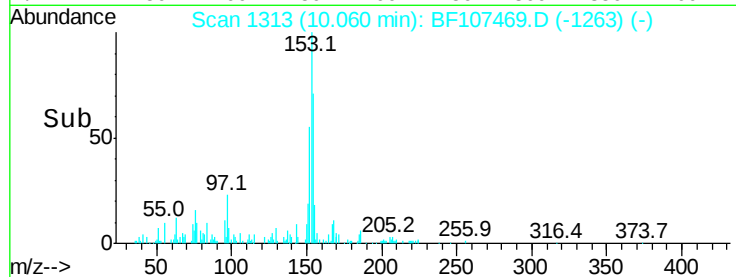
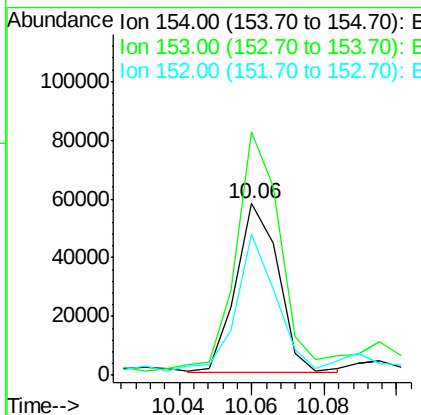
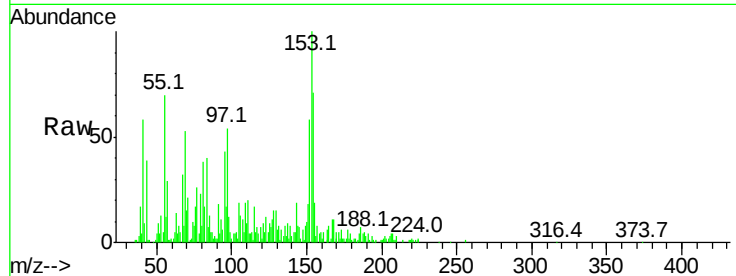
ClientSampleId :

STOCKPILE-NEWSAN

Tot Ion	Ratio	Lower	Upper
154	100		
153	141.8	91.2	136.8#
152	82.5	43.8	65.8#

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#54

Dibenzofuran

Concen: 2.421 ng

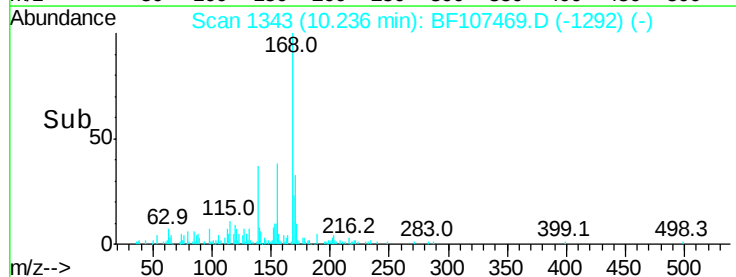
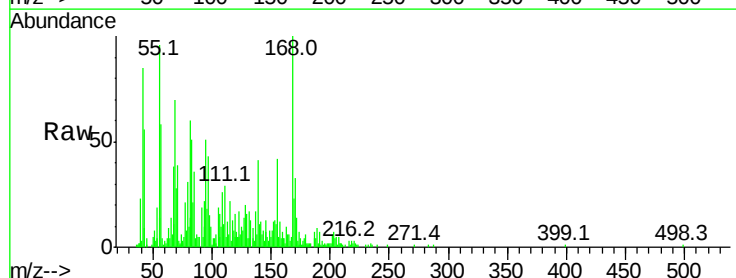
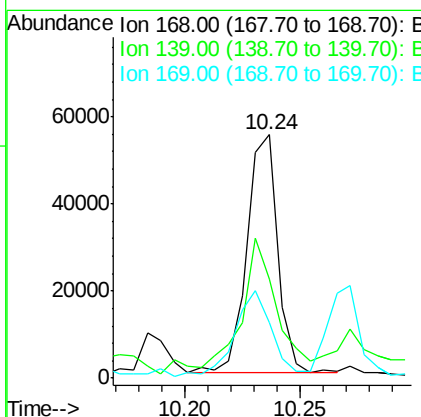
RT: 10.24 min Scan# 1343

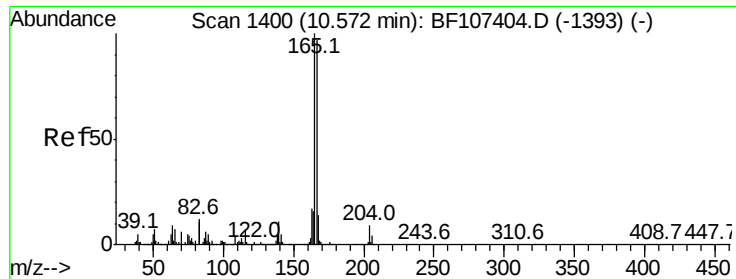
Delta R.T. 0.00 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.9	30.1	45.1
169	23.0	10.9	16.3#





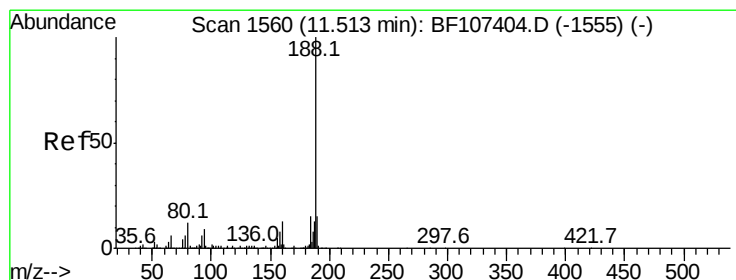
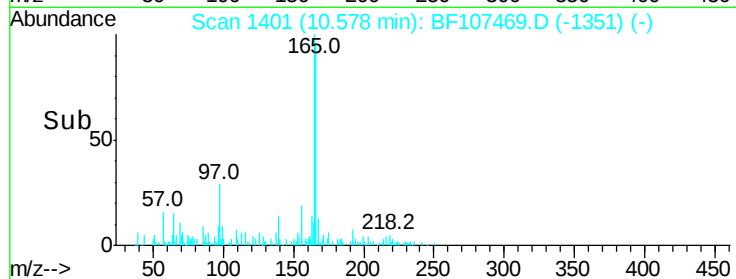
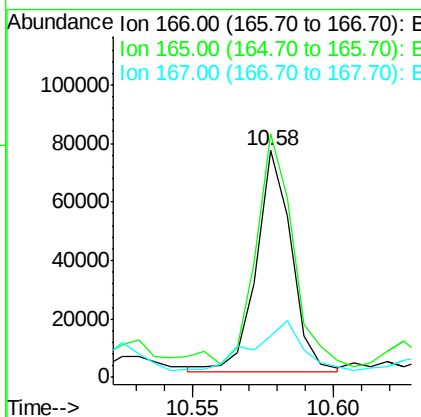
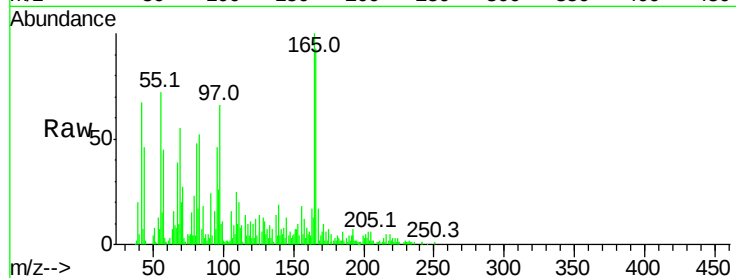
#57
Fluorene
 Concen: 4.670 ng
 RT: 10.58 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF107469.D
 Acq: 18 Jul 2018 11:34

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE-NEWSAN

Tot Ion	Ratio	Lower	Upper
166	100		
165	107.4	79.8	119.8
167	18.1	10.6	16.0

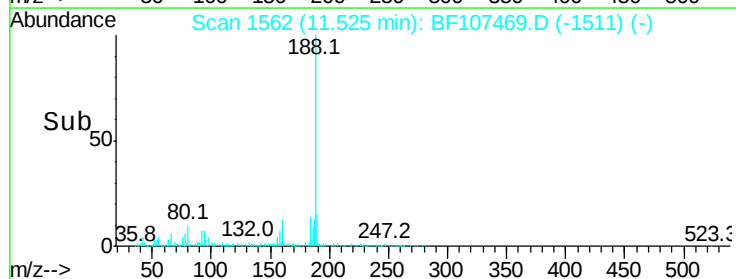
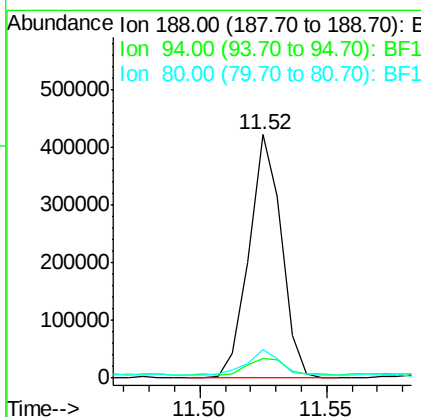
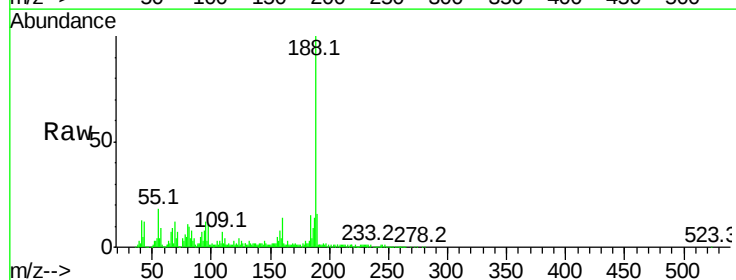
Manual Integrations
 APPROVED

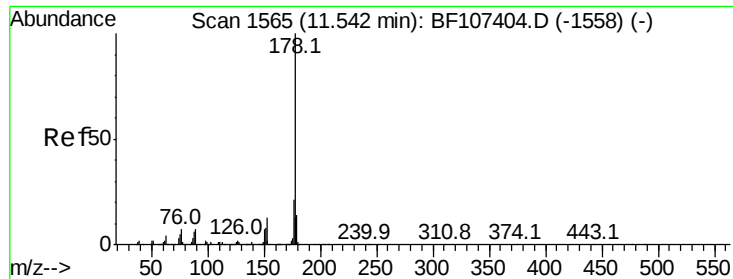
Sohil
 7/19/2018 2:23:17 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: BF107469.D
 Acq: 18 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.0	8.5	12.7
80	11.5	9.2	13.8





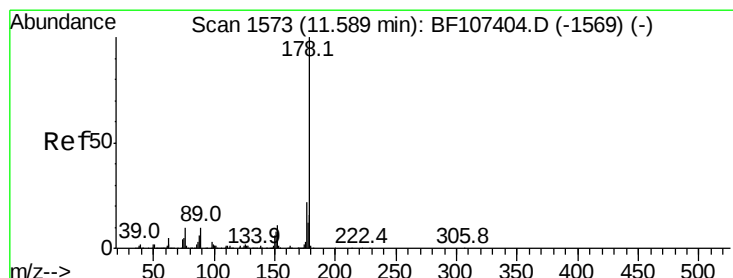
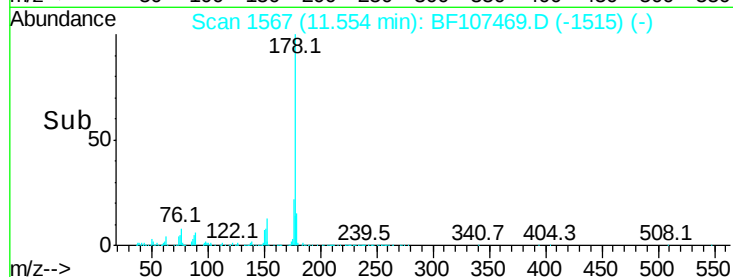
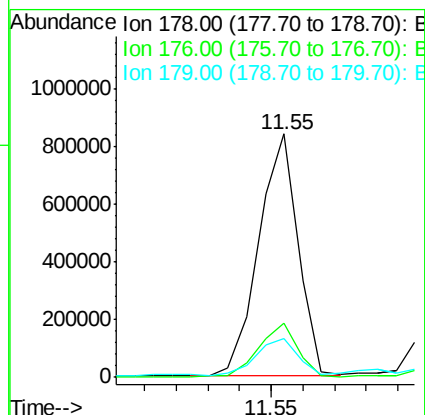
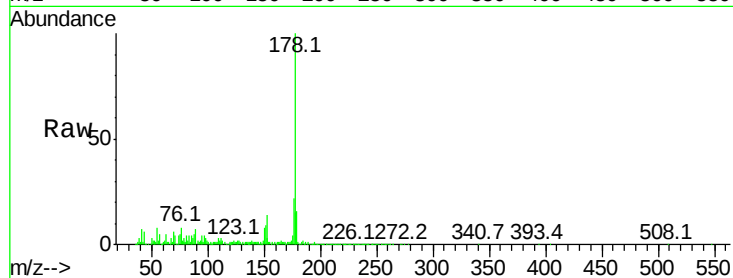
#70
Phenanthrene
Concen: 38.689 ng
RT: 11.55 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF107469.D
Acq: 18 Jul 2018 11:34

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-NEWSAN

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.1	15.8	23.8
179	16.2	13.0	19.6

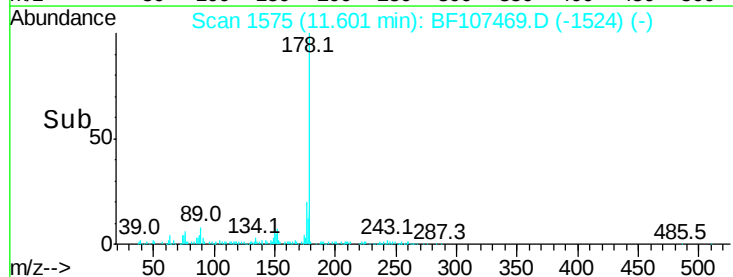
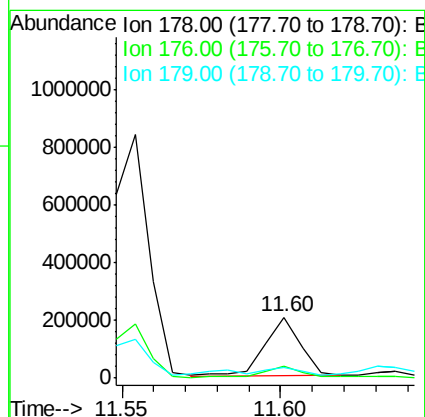
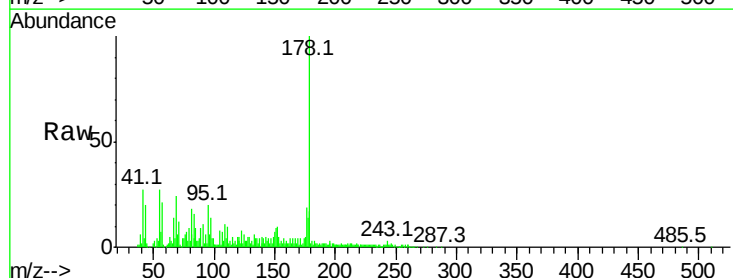
Manual Integrations
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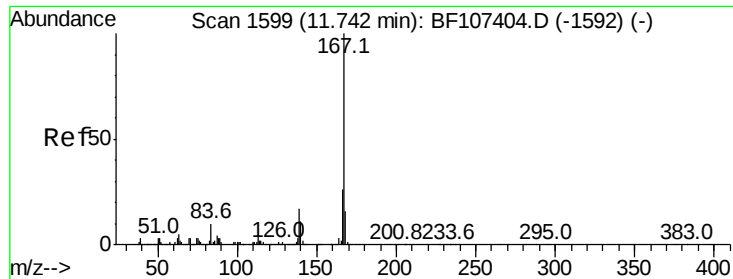
Sohil
7/19/2018 2:23:17 PM



#71
Anthracene
Concen: 8.540 ng
RT: 11.60 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF107469.D
Acq: 18 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	17.3	12.6	19.0





#72

Carbazole

Concen: 4.043 ng

RT: 11.75 min Scan# 1601

Delta R.T. 0.00 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Instrument :

BNA_F

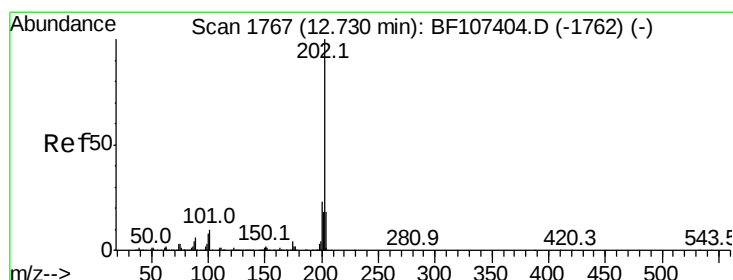
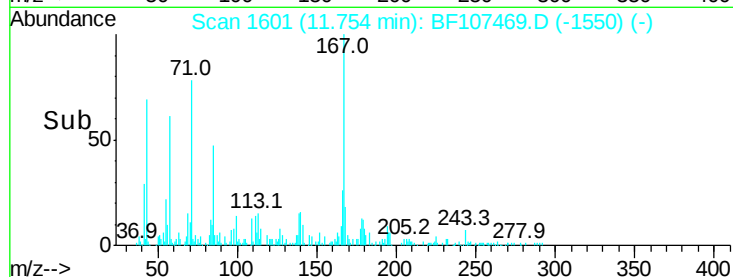
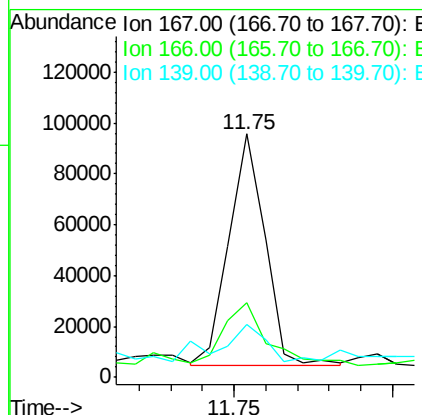
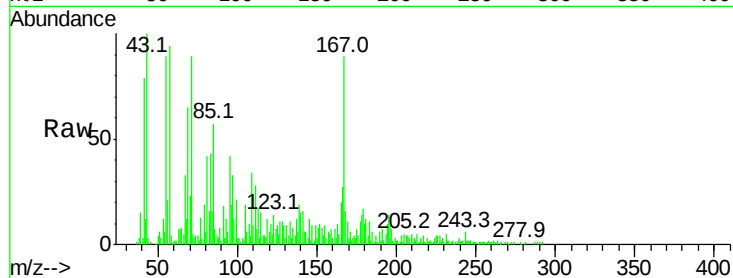
ClientSampleId :

STOCKPILE-NEWSAN

Tot Ion:	167	Resp:	71366
Ion Ratio	Lower	Upper	
167	100		
166	30.5	17.6	26.4#
139	21.5	10.9	16.3#

Manual Integrations
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#74

Fluoranthene

Concen: 40.886 ng

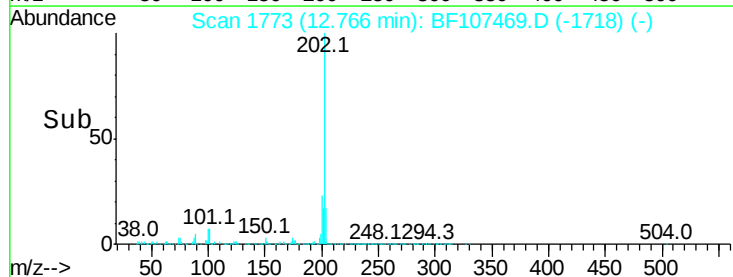
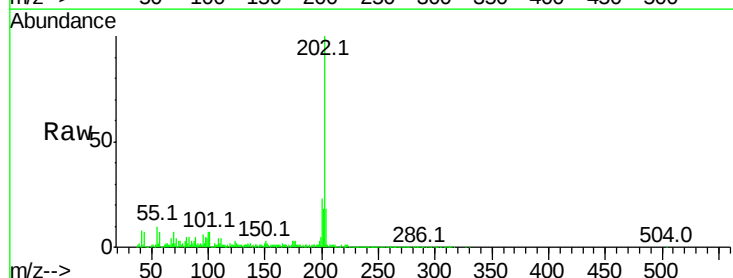
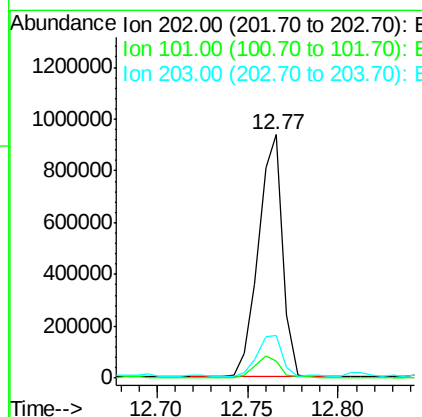
RT: 12.77 min Scan# 1773

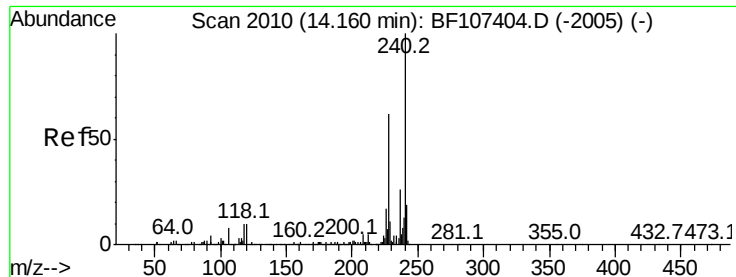
Delta R.T. 0.02 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Tgt Ion:	202	Resp:	869906
Ion Ratio	Lower	Upper	
202	100		
101	7.1	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng/mL

RT: 14.18 min Scan# 2014

Delta R.T. 0.01 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Instrument :

BNA_F

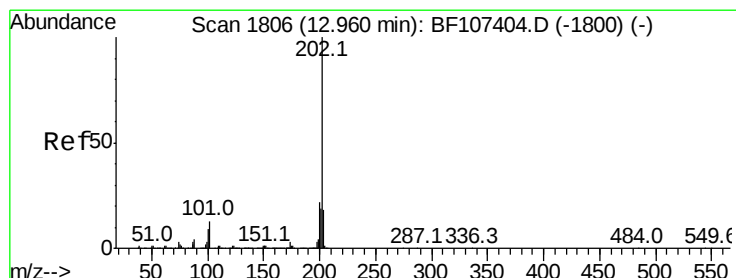
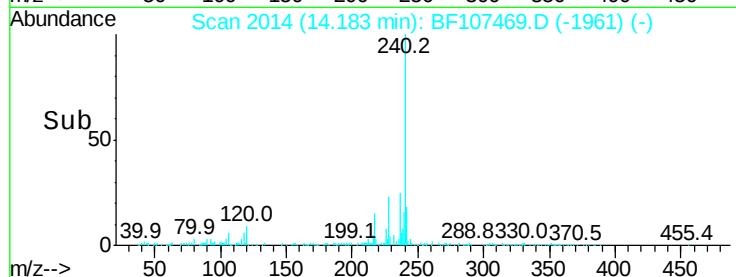
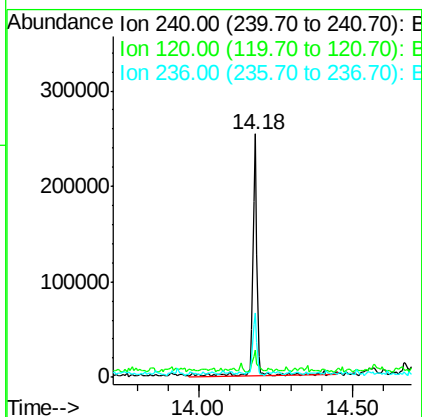
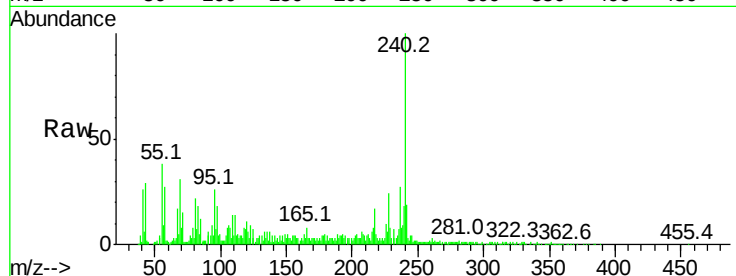
ClientSampleId :

STOCKPILE-NEWSAN

Tot Ion:	240	Resp:	270384
Ion Ratio	Lower	Upper	
240	100		
120	11.1	9.5	14.3
236	26.7	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 41.411 ng/mL

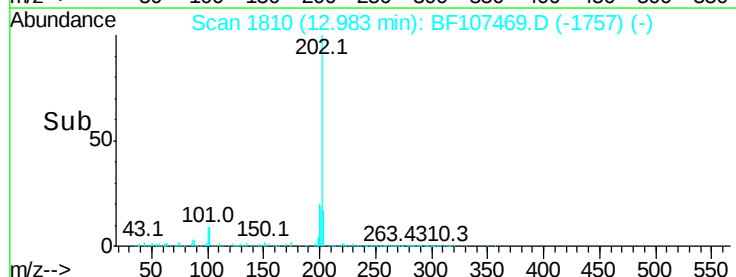
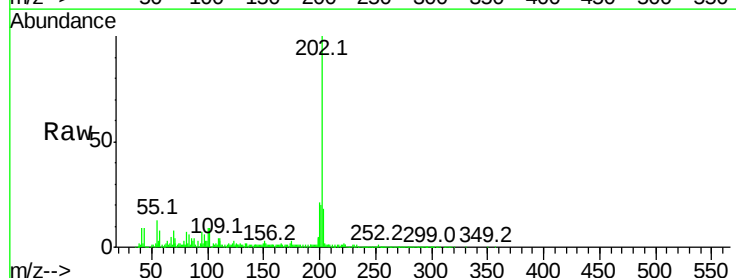
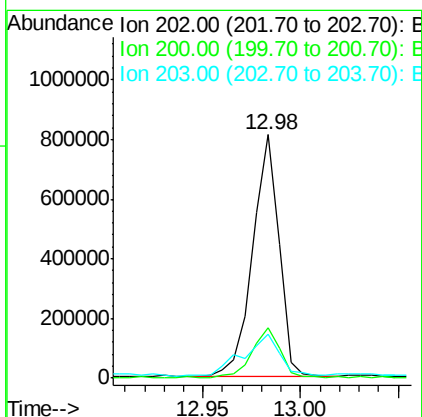
RT: 12.98 min Scan# 1810

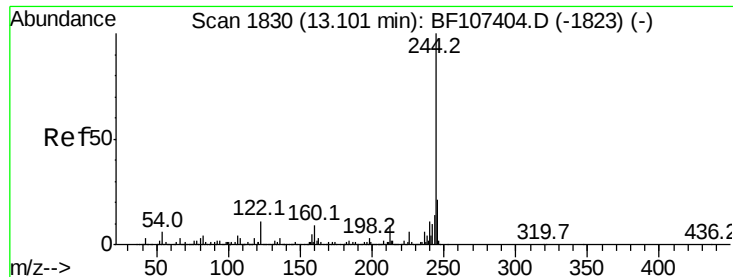
Delta R.T. 0.01 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Tgt Ion:	202	Resp:	761400
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 70.149 ng

RT: 13.11 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Instrument :

BNA_F

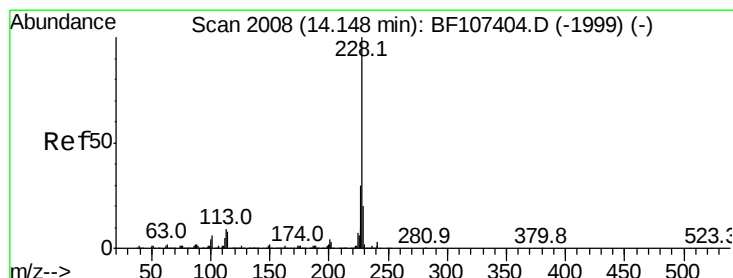
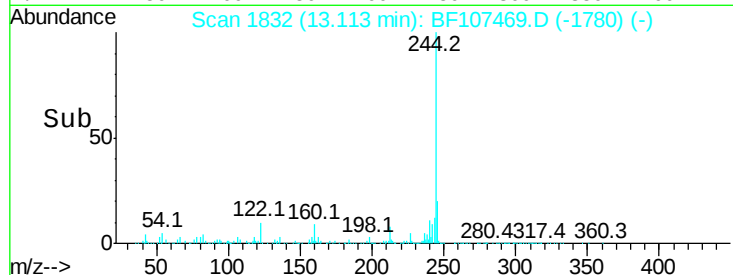
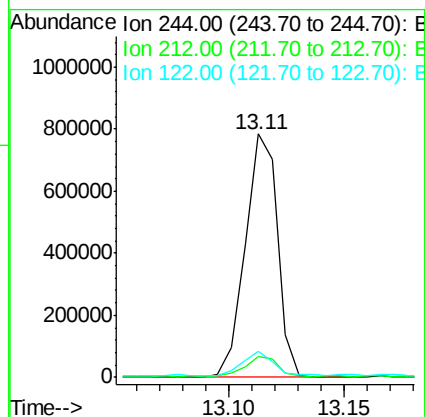
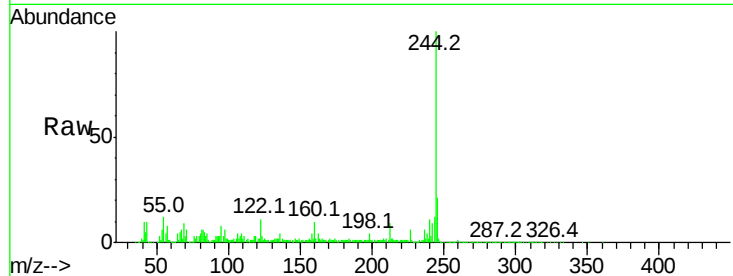
ClientSampleId :

STOCKPILE-NEWSAN

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.7	5.4	8.0#
122	10.8	11.0	16.4#

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Sohil
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#80

Benzo(a)anthracene

Concen: 21.002 ng

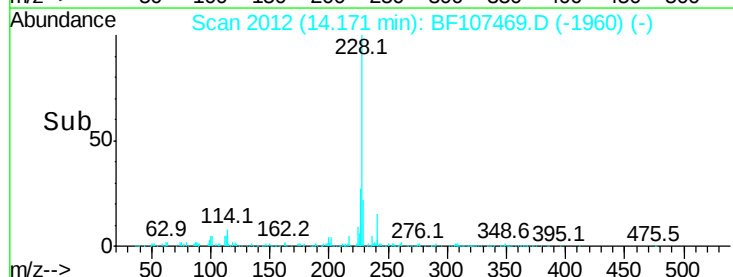
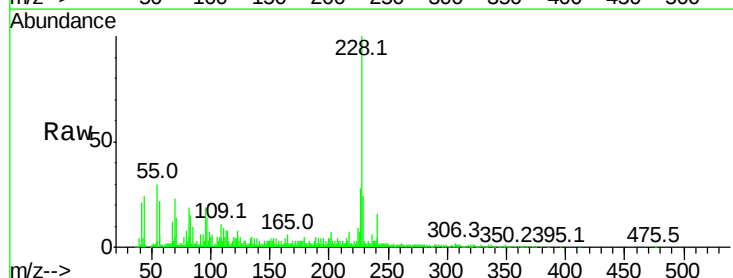
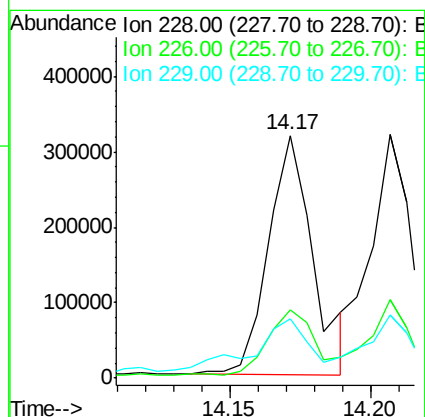
RT: 14.17 min Scan# 2012

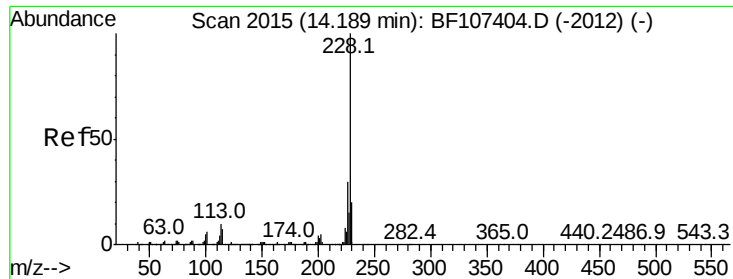
Delta R.T. 0.01 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	24.4	15.8	23.6#





#82

Chrysene

Concen: 19.857 ng

RT: 14.21 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Instrument :

BNA_F

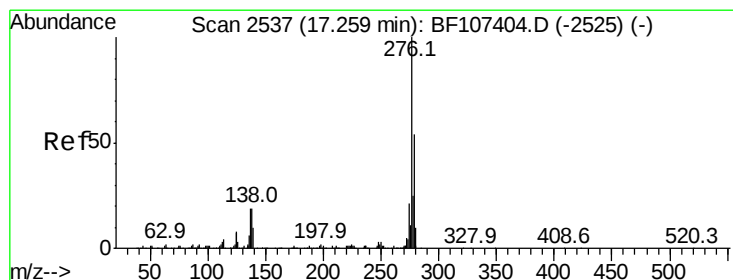
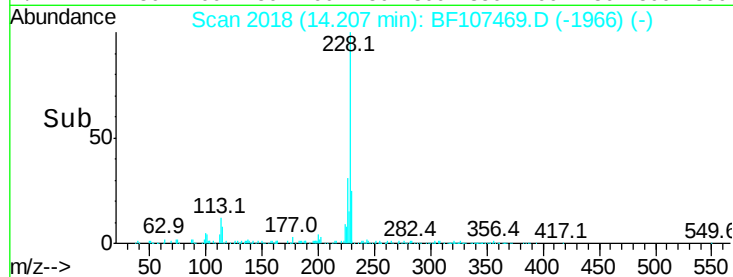
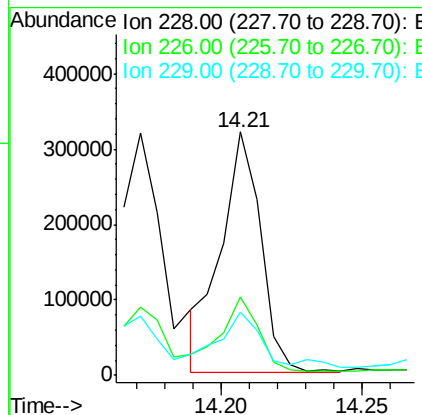
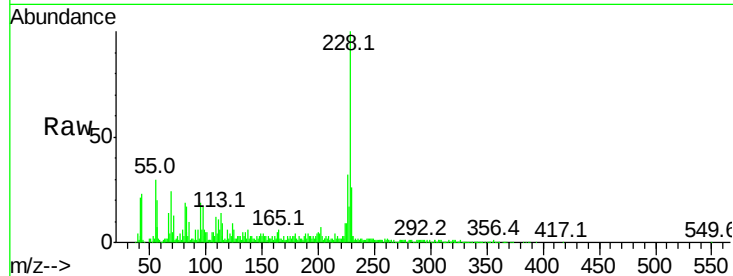
ClientSampleId :

STOCKPILE-NEWSAN

Tot Ion:	228	Resp:	313809
Ion Ratio	Lower	Upper	
228	100		
226	32.0	25.0	37.6
229	26.1	16.2	24.4#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 16.019 ng

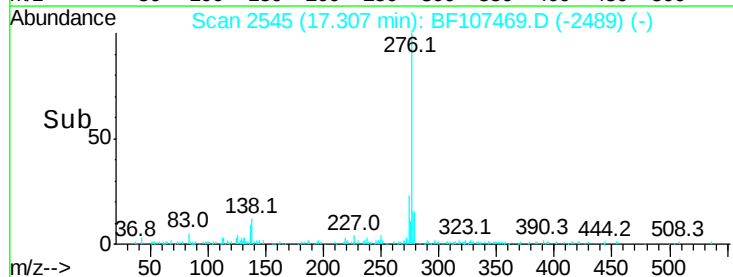
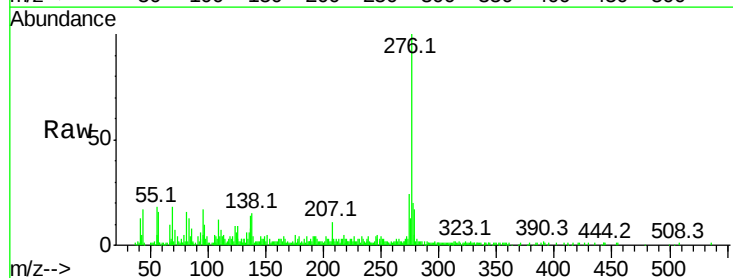
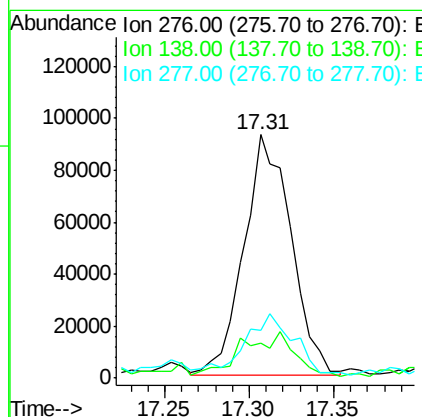
RT: 17.31 min Scan# 2545

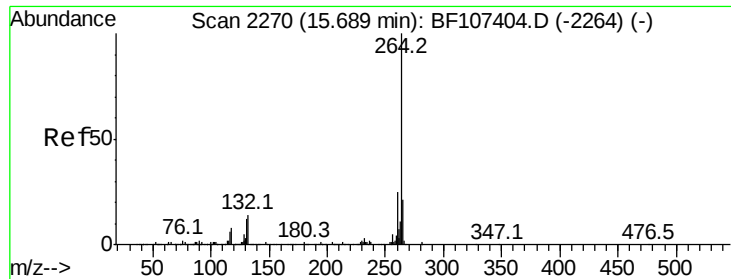
Delta R.T. 0.03 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Tgt Ion:	276	Resp:	180196
Ion Ratio	Lower	Upper	
276	100		
138	18.7	25.0	37.6#
277	26.6	20.1	30.1





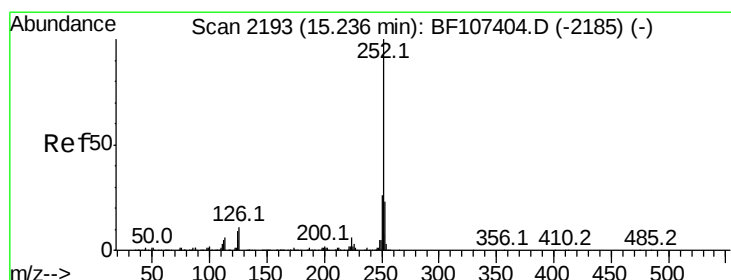
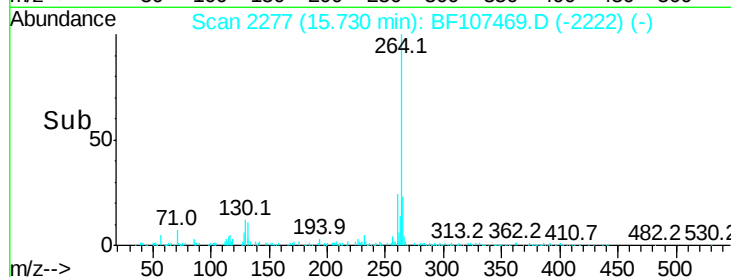
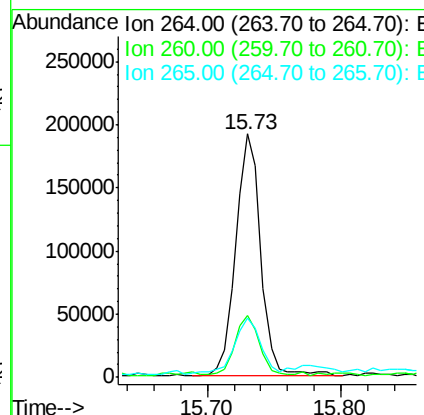
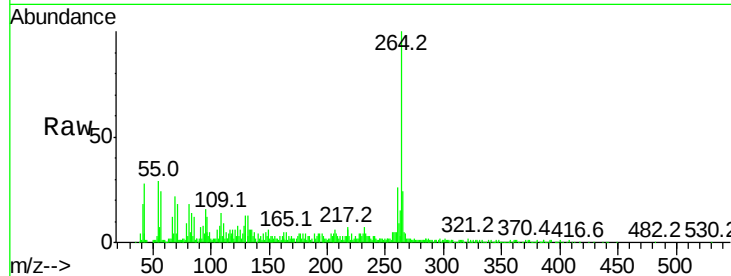
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.73 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF107469.D
Acq: 18 Jul 2018 11:34

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-NEWSAN

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	24.2	17.5	26.3

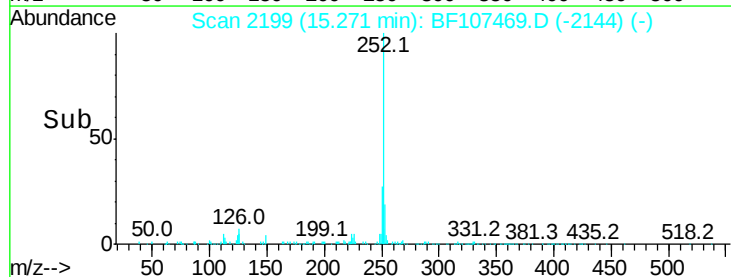
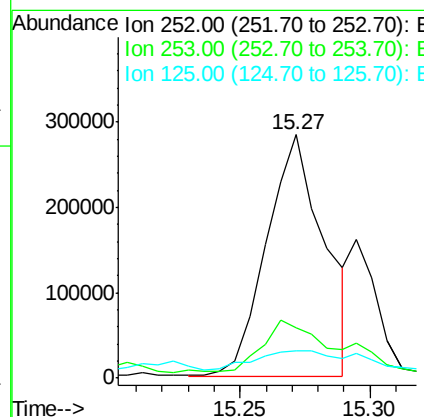
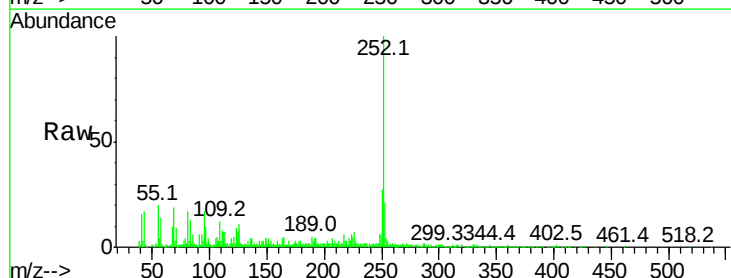
Manual Integrations
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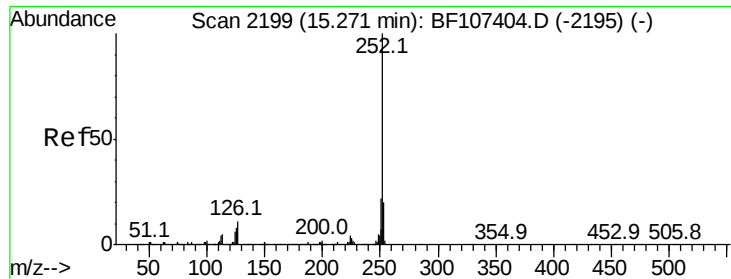
Sohil
7/19/2018 2:23:17 PM



#87
Benzo(b)fluoranthene
Concen: 29.554 ng m
RT: 15.27 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF107469.D
Acq: 18 Jul 2018 11:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.0	25.6
125	11.0	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 8.342 ng m

RT: 15.29 min Scan# 2203

Delta R.T. 0.01 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Instrument :

BNA_F

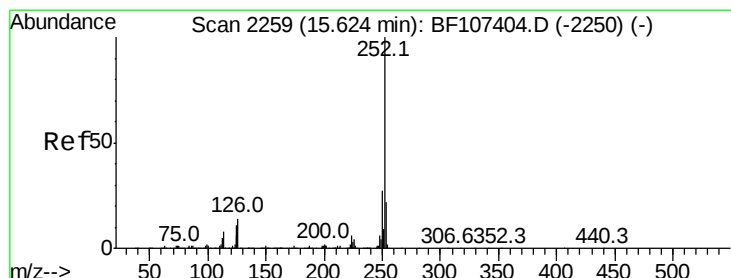
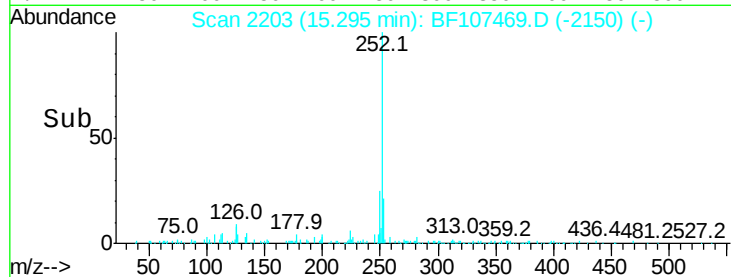
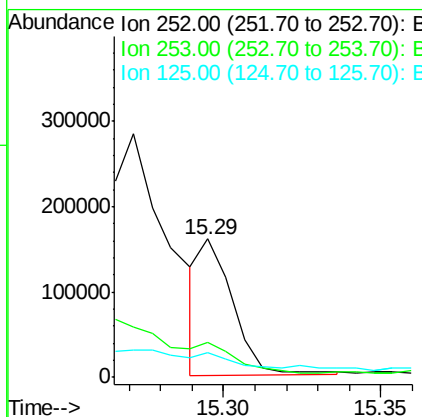
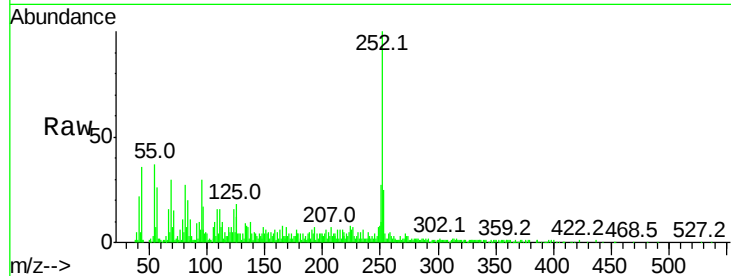
ClientSampleId :

STOCKPILE-NEWSAN

Tot Ion:	252	Resp:	120282
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.9	26.9
125	17.9	10.2	15.2#

Manual Integrations
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Sohil
7/19/2018 2:23:17 PM



#89

Benzo(a)pyrene

Concen: 21.754 ng

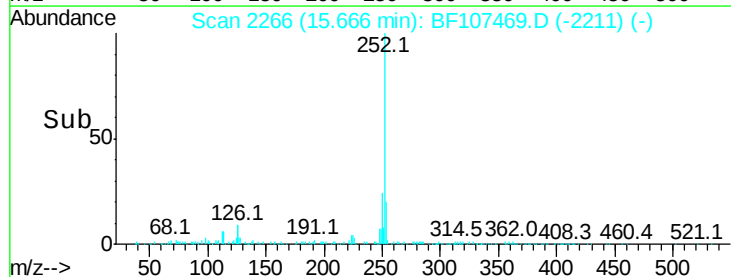
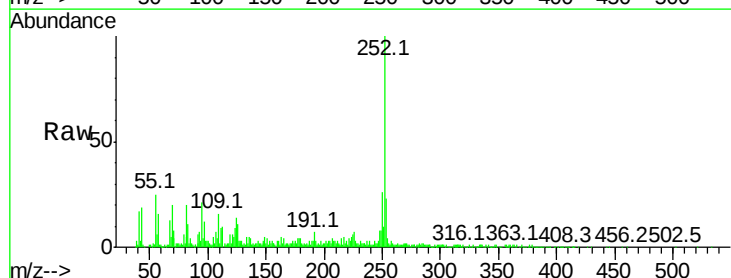
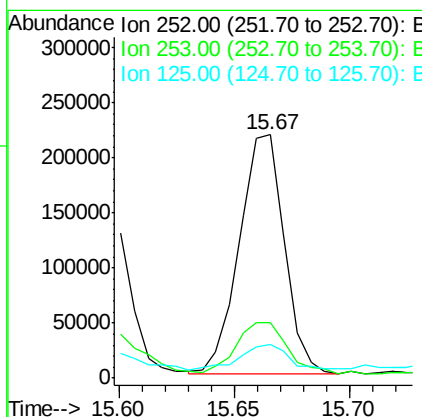
RT: 15.67 min Scan# 2266

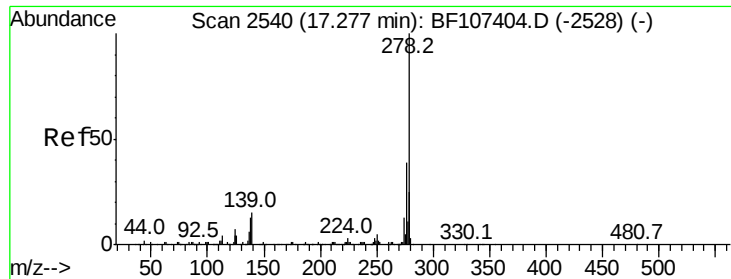
Delta R.T. 0.02 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Tgt Ion:	252	Resp:	294990
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.1	25.7
125	14.0	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.635 ng

RT: 17.32 min Scan# 2547

Delta R.T. 0.02 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Instrument :

BNA_F

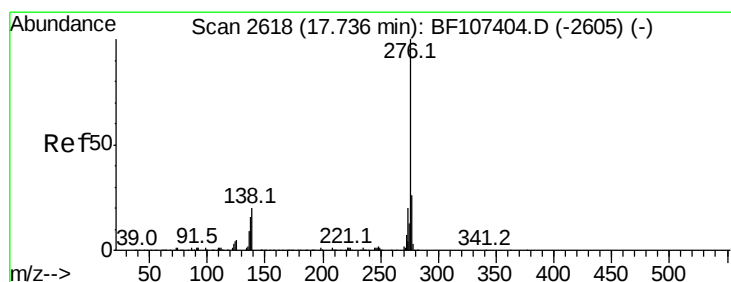
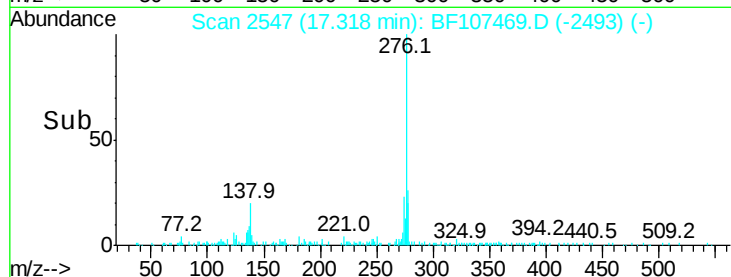
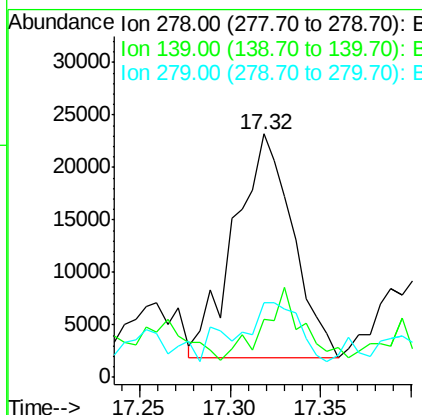
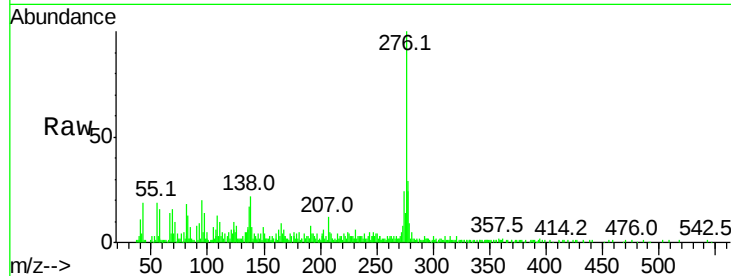
ClientSampleId :

STOCKPILE-NEWSAN

Tot Ion:	278	Resp:	47431
Ion Ratio	Lower	Upper	
278	100		
139	24.1	15.9	23.9#
279	30.5	19.0	28.4#

Manual Integrations
APPROVED

Sohil
7/19/2018 2:23:17 PM



#91

Benzo(g,h,i)perylene

Concen: 16.594 ng

RT: 17.79 min Scan# 2628

Delta R.T. 0.04 min

Lab File: BF107469.D

Acq: 18 Jul 2018 11:34

Tgt Ion:	276	Resp:	172564
Ion Ratio	Lower	Upper	
276	100		
277	29.4	17.9	26.9#
138	21.3	21.8	32.8#

