

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112968.D
 Acq On : 11 Mar 2019 21:28
 Operator : JU/SJ
 Sample : K1823-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE-1

Manual Integrations
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Quant Time: Mar 12 05:42:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	153220	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	616784	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	359993	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	747012	20.00	ng	0.00
76) Chrysene-d12	13.87	240	521732	20.00	ng	0.00
87) Perylene-d12	15.28	264	515363	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	781360	79.33	ng	-0.01
7) Phenol-d6	6.36	99	1082537	87.49	ng	0.00
23) Nitrobenzene-d5	7.29	82	644979	62.57	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	417520	109.25	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1201674	49.50	ng	-0.01
79) Terphenyl-d14	12.82	244	1188922	44.17	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.48	163	113452	4.274	ng	Qvalue 98
52) Acenaphthene	9.79	154	103203	4.534	ng	100
55) Dibenzofuran	9.96	168	76102	2.300	ng	97
58) Fluorene	10.30	166	105526	4.494	ng	97
71) Phenanthrene	11.26	178	714587	19.226	ng	99
72) Anthracene	11.32	178	128144	3.294	ng	99
75) Fluoranthene	12.45	202	919346	23.088	ng	96
78) Pyrene	12.67	202	734922	16.709	ng	99
81) Benzo(a)anthracene	13.86	228	225222	6.229	ng	97
83) Chrysene	13.89	228	237889	6.716	ng	96
84) Bis(2-ethylhexyl)phthalate	13.86	149	125783	5.524	ng	95
86) Indeno(1,2,3-cd)pyrene	16.64	276	92909m	3.077	ng	
88) Benzo(b)fluoranthene	14.88	252	297191m	8.915	ng	
89) Benzo(k)fluoranthene	14.90	252	66949m	2.217	ng	
90) Benzo(a)pyrene	15.22	252	151201	5.128	ng	# 92
92) Benzo(g,h,i)perylene	17.06	276	90427	3.579	ng	96

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

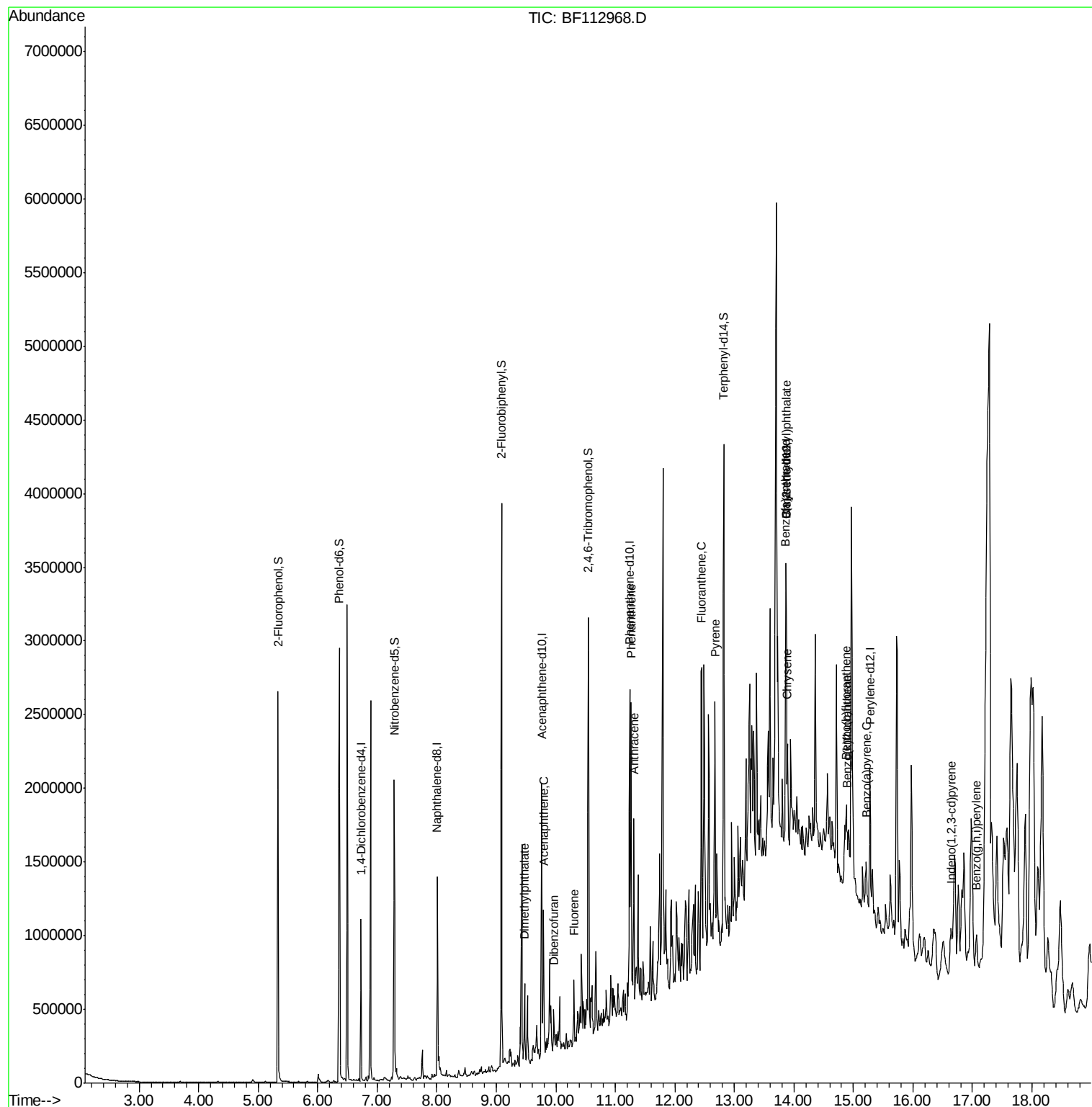
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112968.D
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Sample : K1823-01
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ALS Vial : 16 Sample Multiplier: 1

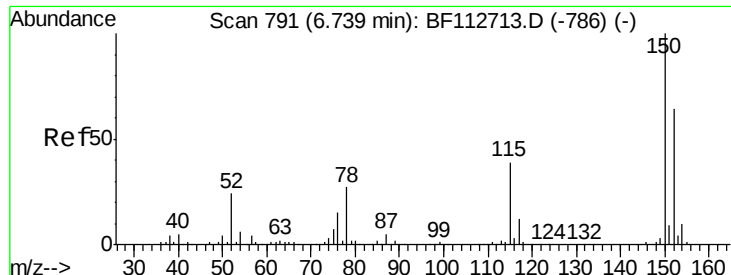
Instrument :
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#1

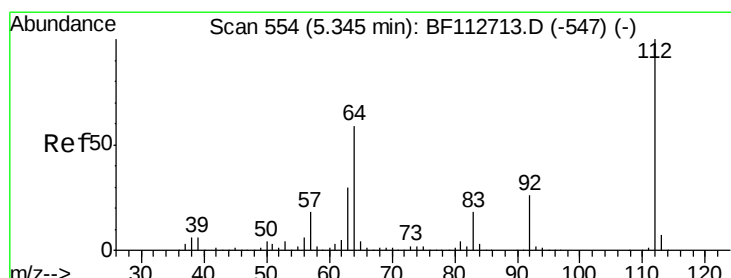
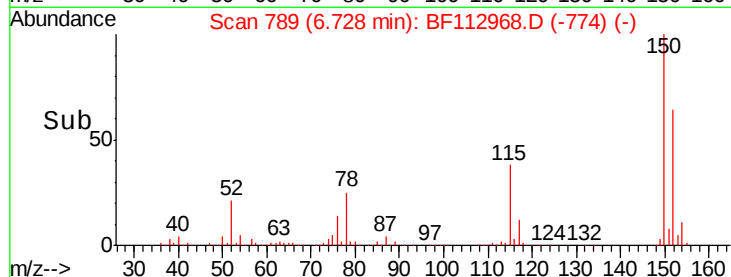
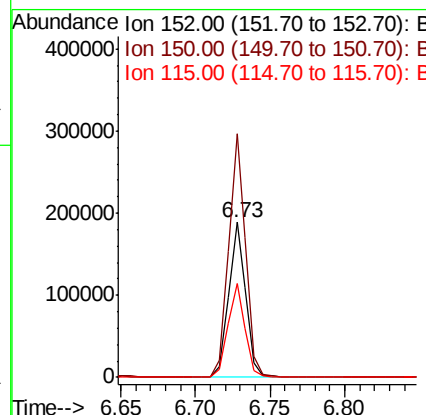
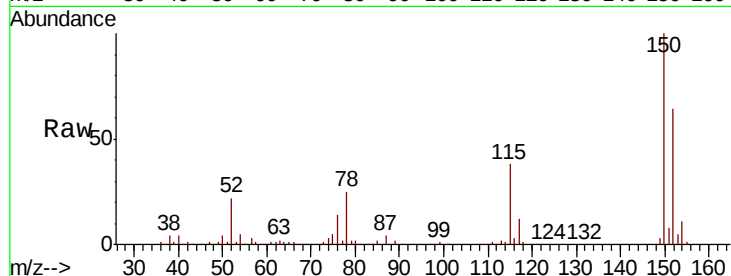
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.2	186.2
115	60.1	48.2	72.4

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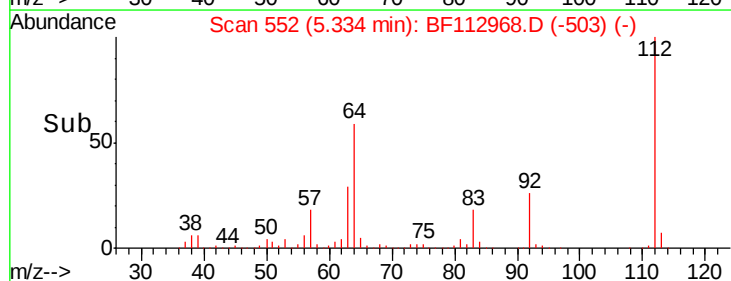
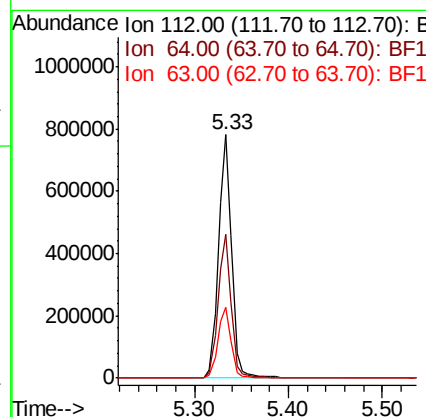
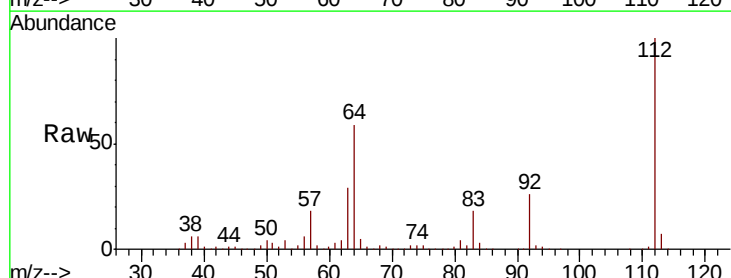
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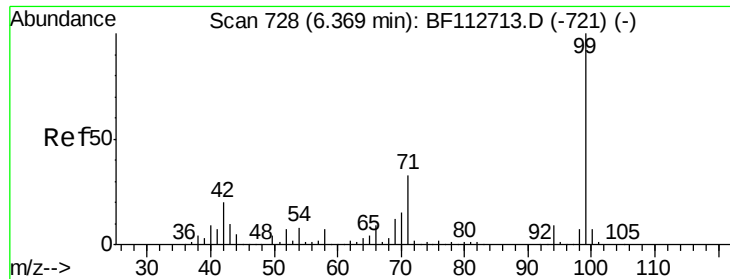


#5

2-Fluorophenol
Concen: 79.326 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.6	71.4
63	29.3	24.4	36.6





#7

Phenol-d6

Concen: 87.491 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112968.D

Acq: 11 Mar 2019 21:28

Instrument :

BNA_F

ClientSampleId :

STOCK-PILE-1

Tot Ion: 99 Resp: 1082537

Ion Ratio Lower Upper

99 100

42 18.1 16.3 24.5

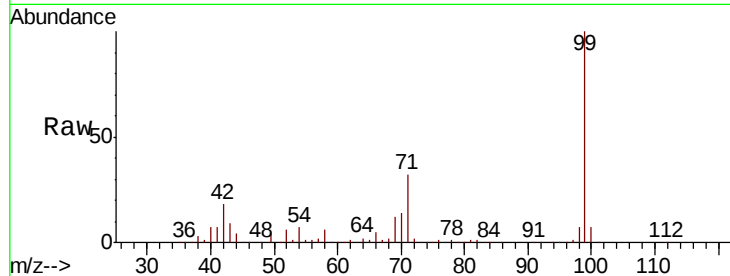
71 31.5 26.2 39.4

Manual Integrations

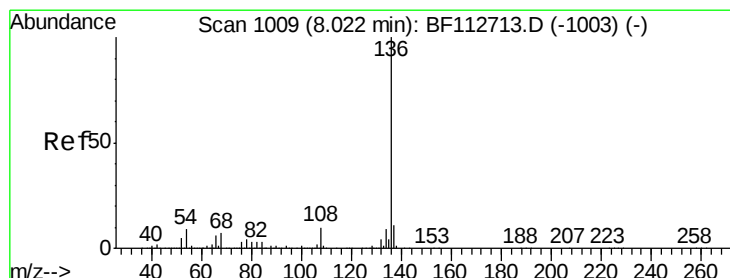
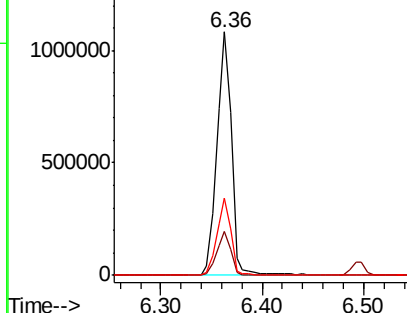
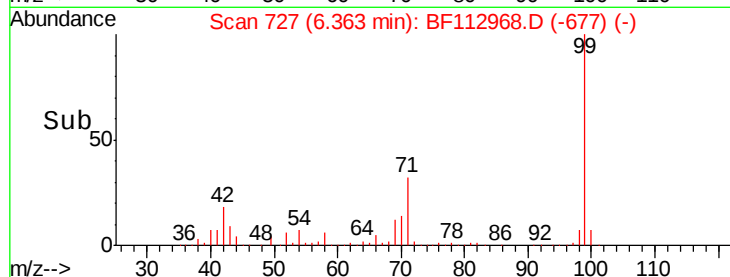
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF112968.D

Acq: 11 Mar 2019 21:28

Tgt Ion: 136 Resp: 616784

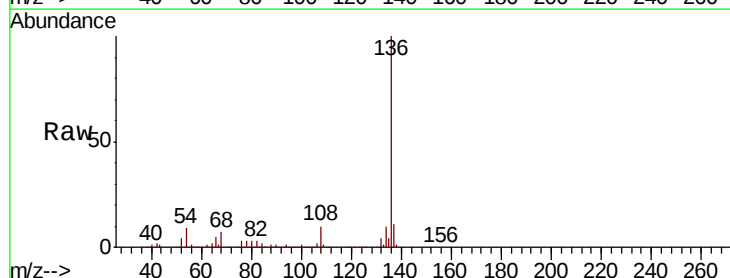
Ion Ratio Lower Upper

136 100

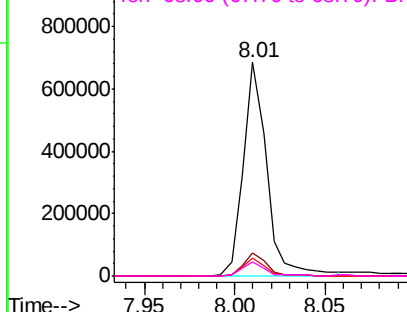
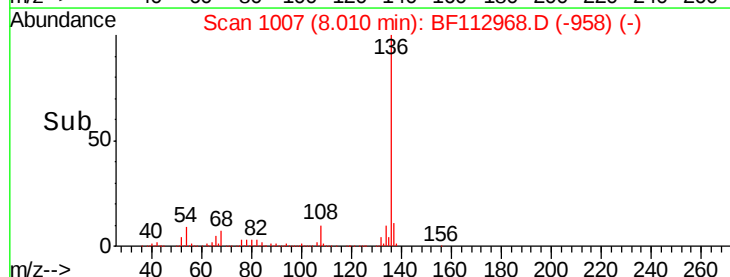
137 10.7 8.9 13.3

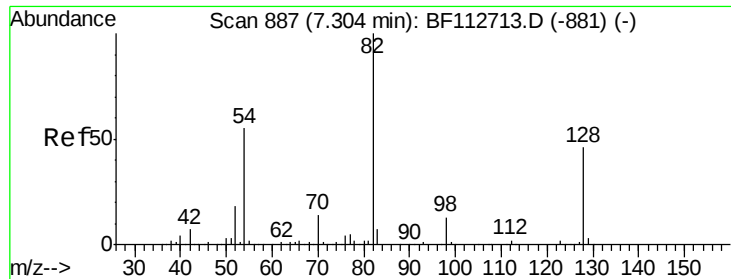
54 8.6 7.3 10.9

68 6.6 5.4 8.2



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): BF1
Ion 68.00 (67.70 to 68.70): BF1





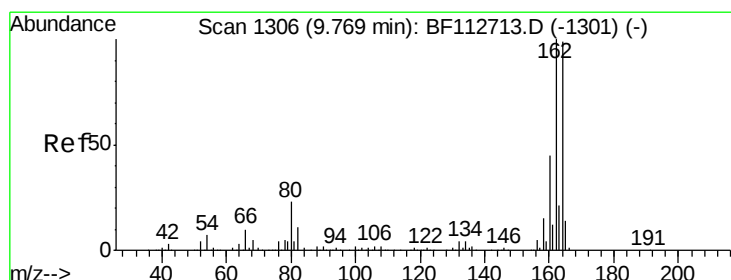
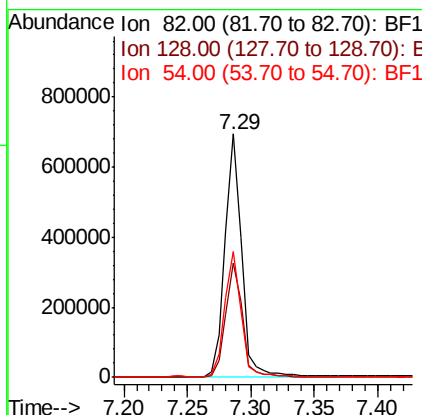
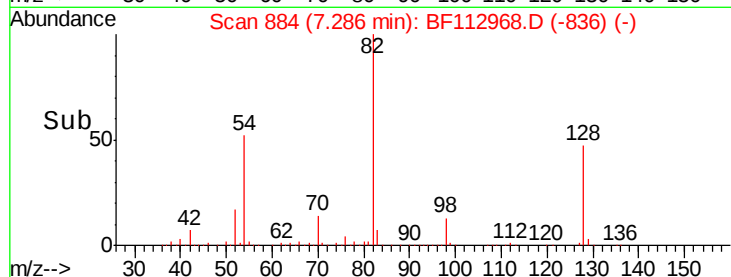
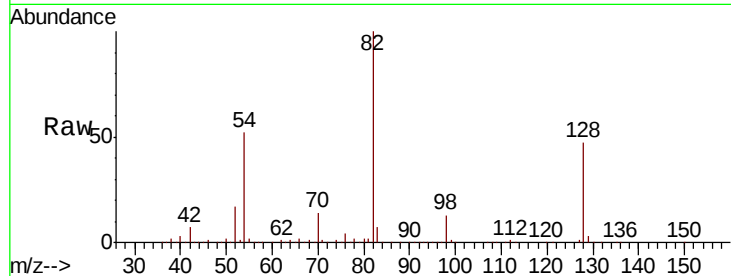
#23
Nitrobenzene-d5
Concen: 62.573 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.3	54.5
54	51.9	43.7	65.5

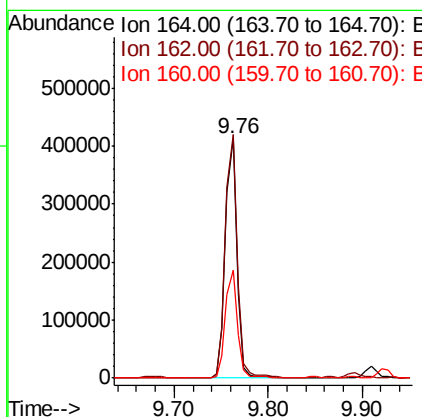
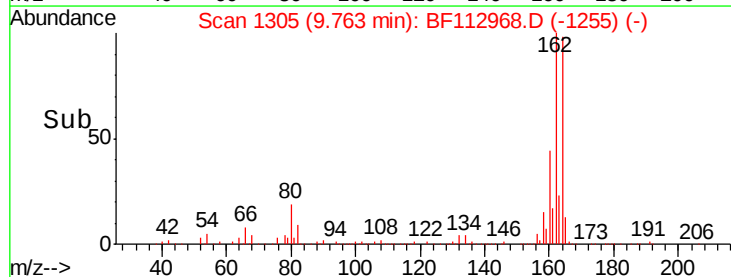
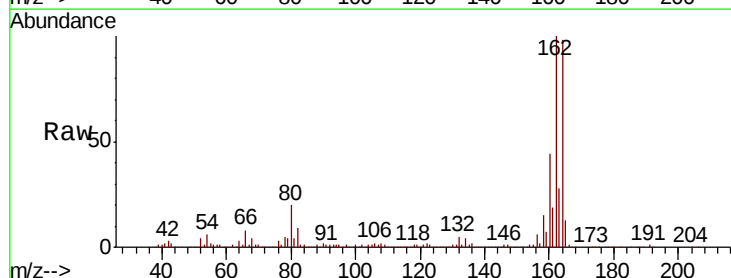
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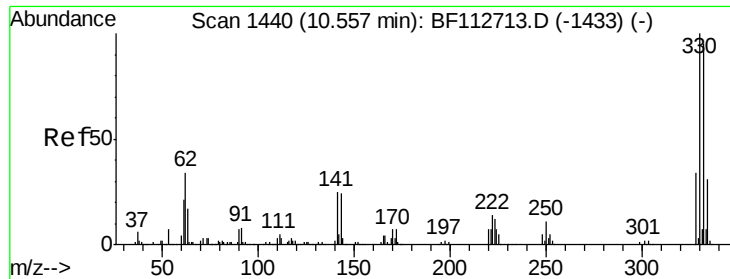
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	80.6	120.8
160	45.2	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 109.248 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF112968.D

Acq: 11 Mar 2019 21:28

Instrument :

BNA_F

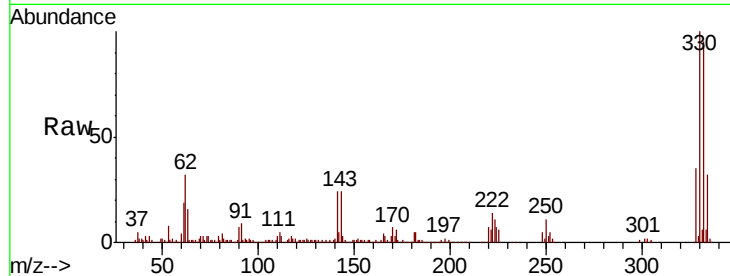
ClientSampleId :

STOCK-PILE-1

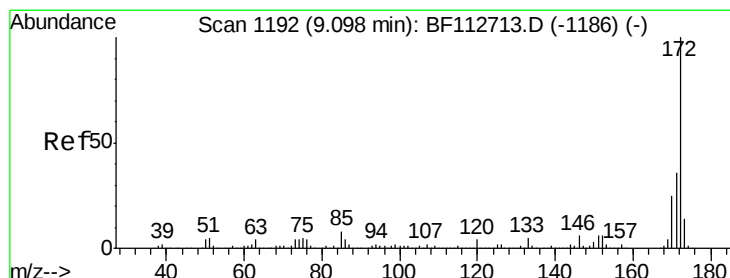
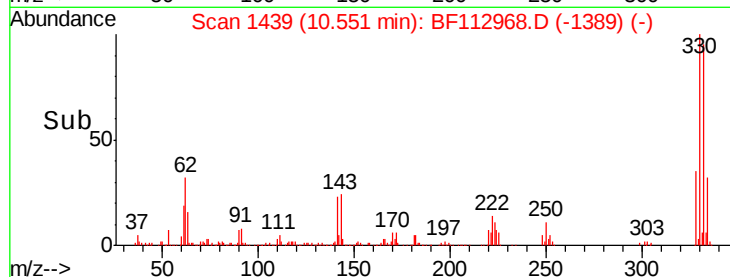
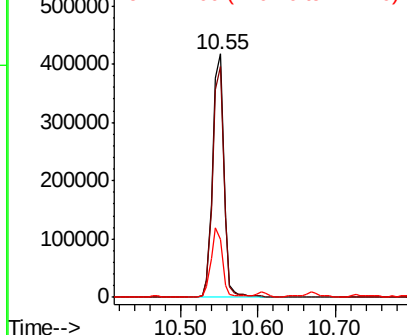
Tot Ion:	330	Resp:	417520
Ion Ratio	Lower	Upper	
330	100		
332	95.7	76.2	114.4
141	27.9	27.0	40.6

Manual Integrations
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 49.496 ng

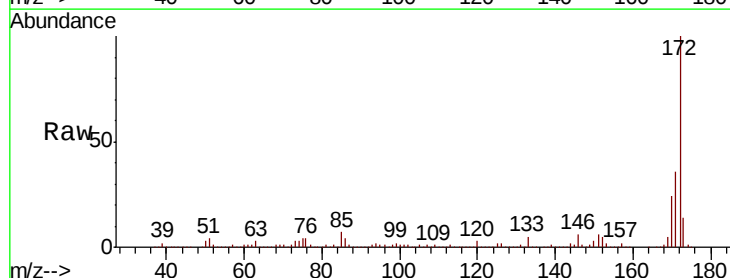
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

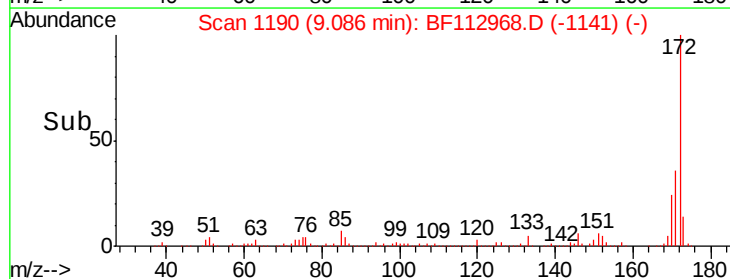
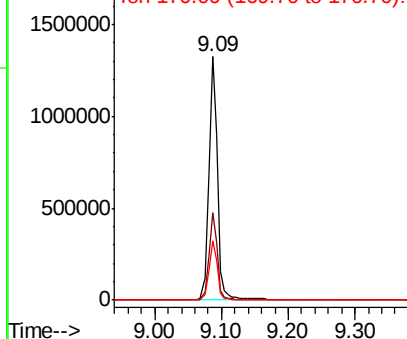
Lab File: BF112968.D

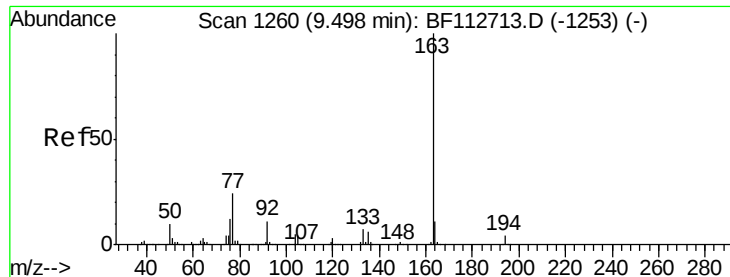
Acq: 11 Mar 2019 21:28

Tgt Ion:	172	Resp:	1201674
Ion Ratio	Lower	Upper	
172	100		
171	36.1	29.0	43.4
170	24.3	20.0	30.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





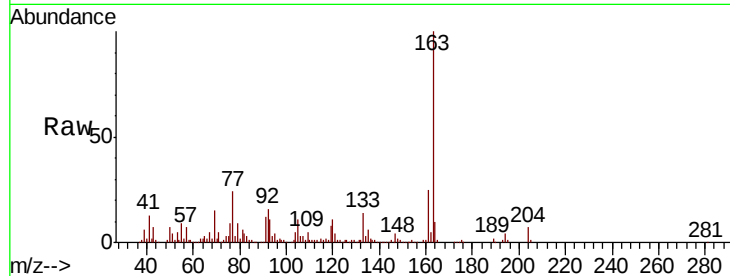
#50
Dimethylphthalate
Concen: 4.274 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	113452		
194	3.7		3.0	4.4
164	9.6		8.4	12.6

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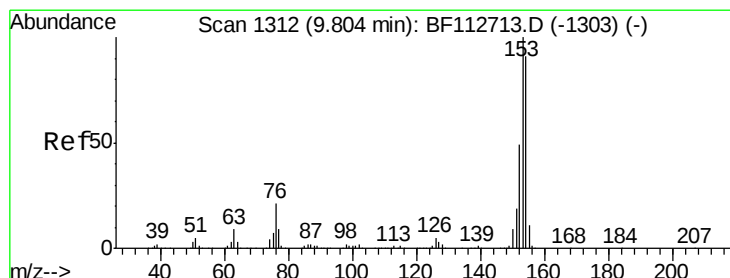
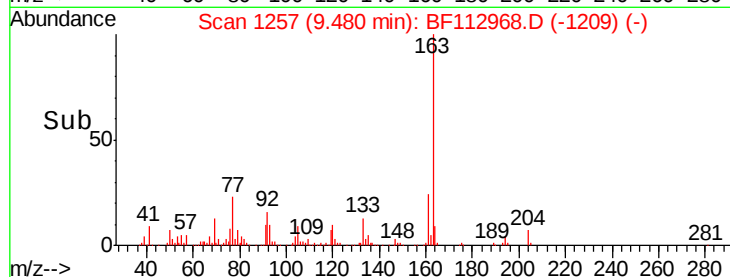
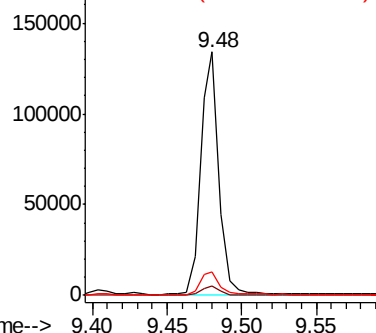


Abundance

Ion 163.00 (162.70 to 163.70): E

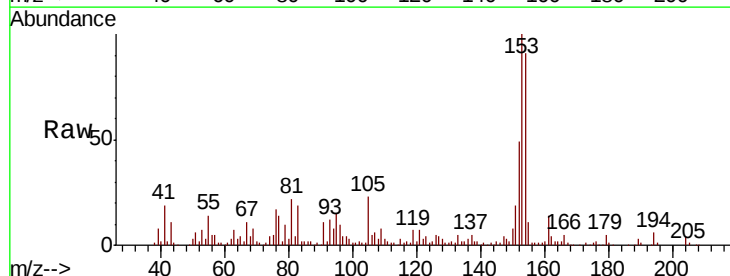
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 4.534 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	103203		
153	110.2		87.8	131.8
152	53.9		43.0	64.6

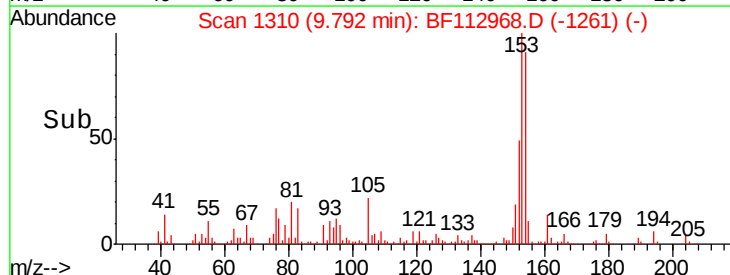
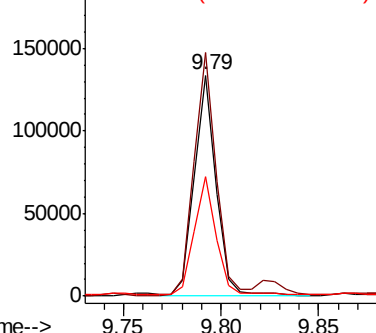


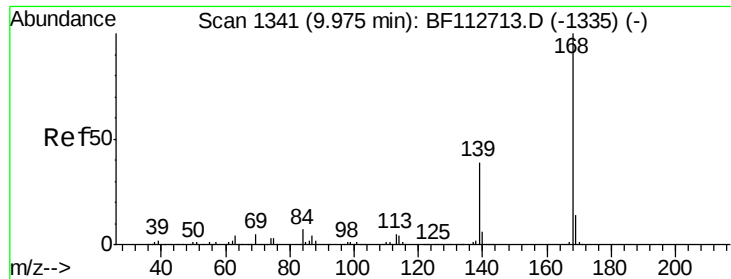
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

Dibenzofuran

Concen: 2.300 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BF112968.D

Acq: 11 Mar 2019 21:28

Instrument :

BNA_F

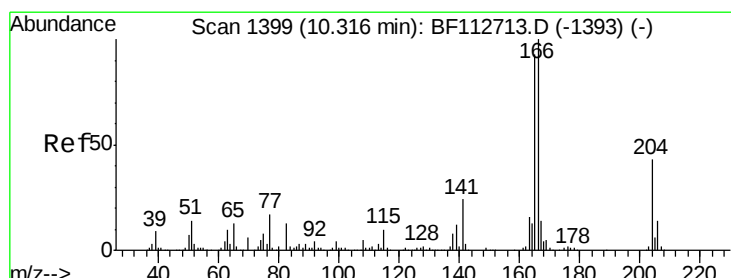
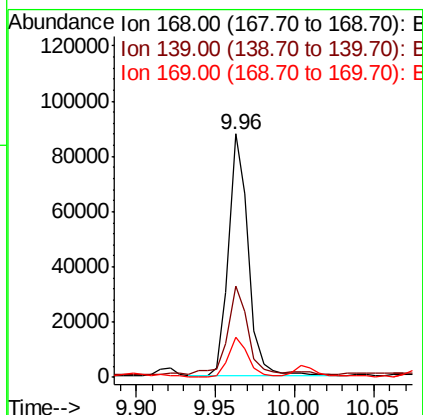
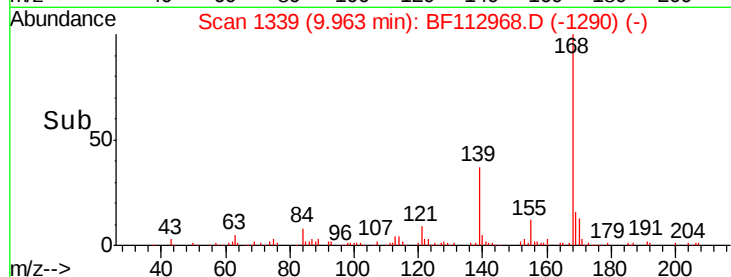
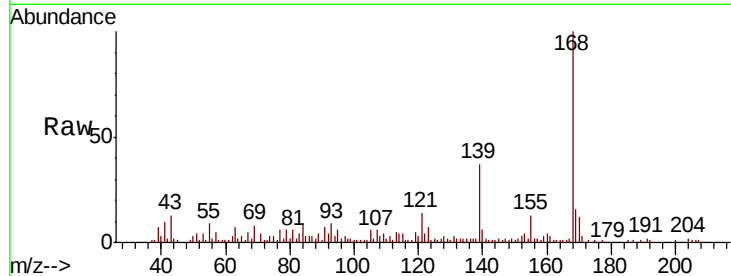
ClientSampleId :

STOCK-PILE-1

Tot Ion:	168	Resp:	76102
Ion Ratio	Lower	Upper	
168	100		
139	37.4	31.3	46.9
169	16.3	11.3	16.9

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#58

Fluorene

Concen: 4.494 ng

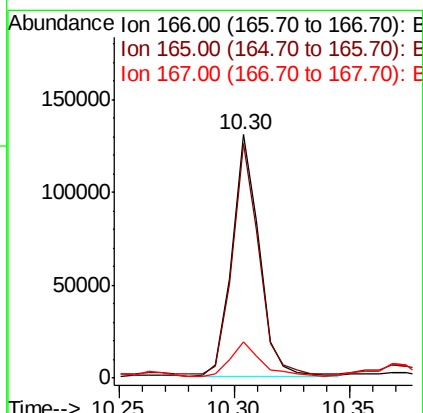
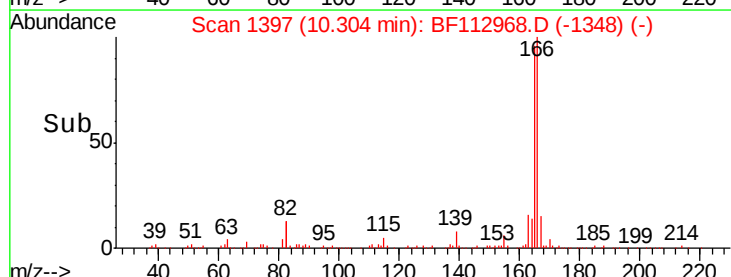
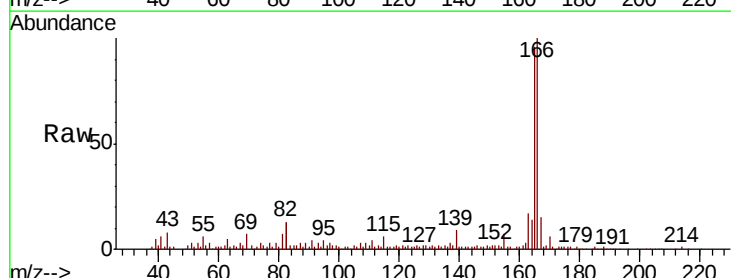
RT: 10.30 min Scan# 1397

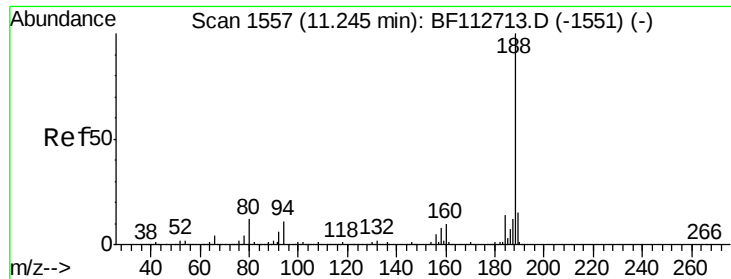
Delta R.T. -0.01 min

Lab File: BF112968.D

Acq: 11 Mar 2019 21:28

Tgt Ion:	166	Resp:	105526
Ion Ratio	Lower	Upper	
166	100		
165	96.3	74.7	112.1
167	15.1	11.0	16.6





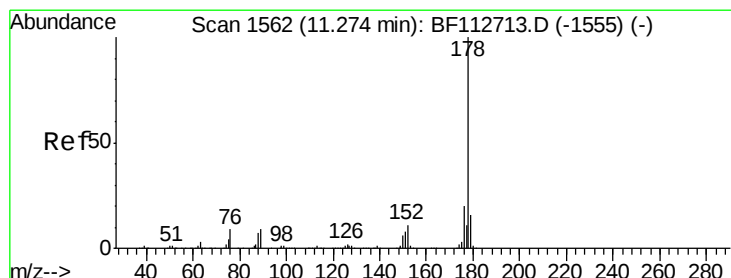
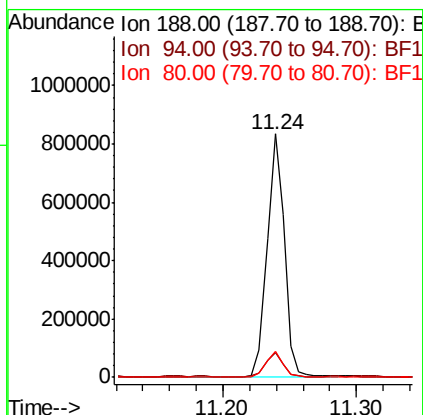
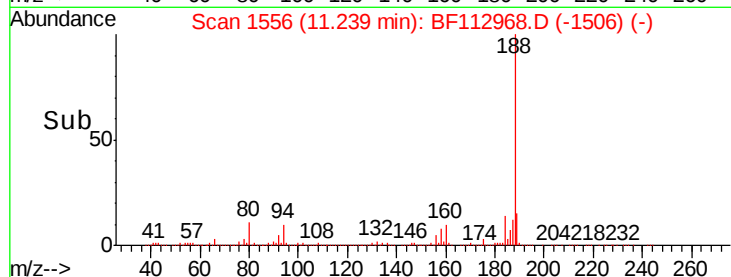
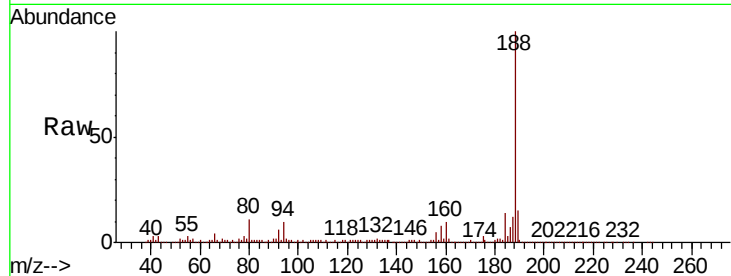
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.3	9.0	13.4
80	10.9	9.2	13.8

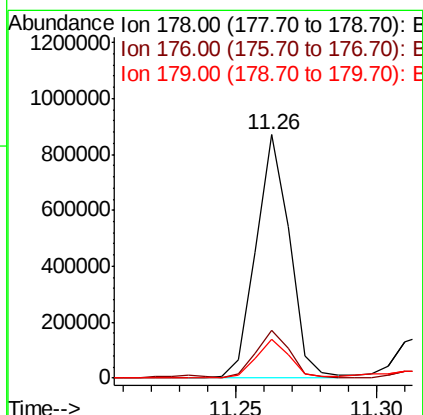
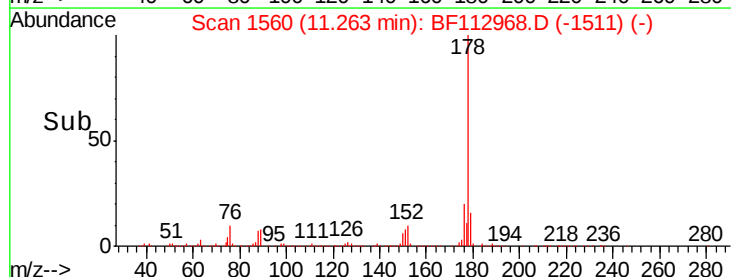
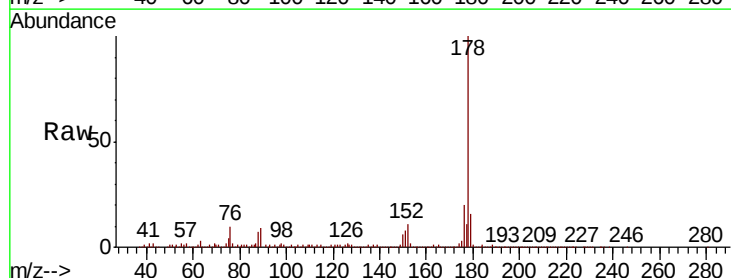
Manual Integrations
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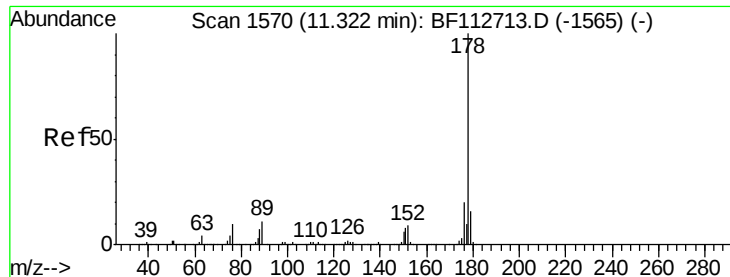
Sohil
3/12/2019 4:28:46 PM



#71
Phenanthrene
Concen: 19.226 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	16.3	24.5
179	16.1	12.7	19.1





#72

Anthracene

Concen: 3.294 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF112968.D

Acq: 11 Mar 2019 21:28

Instrument :

BNA_F

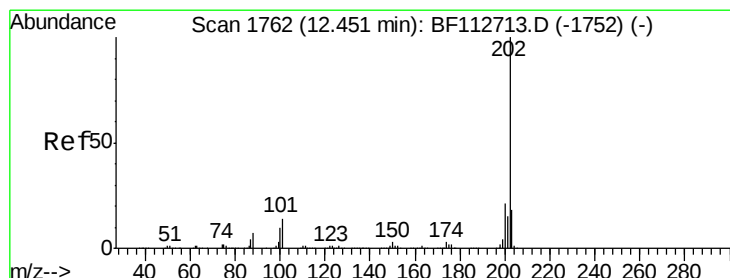
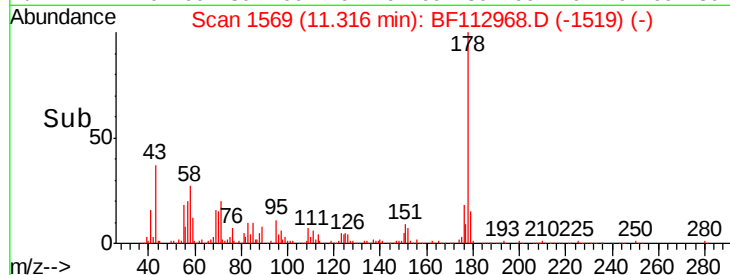
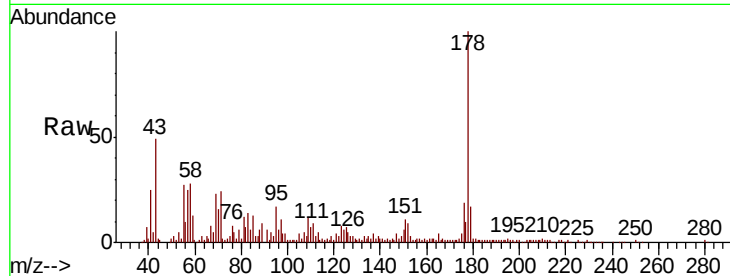
ClientSampleId :

STOCK-PILE-1

Tot Ion:	178	Resp:	128144
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.8	23.6
179	16.6	13.0	19.6

Manual Integrations
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#75

Fluoranthene

Concen: 23.088 ng

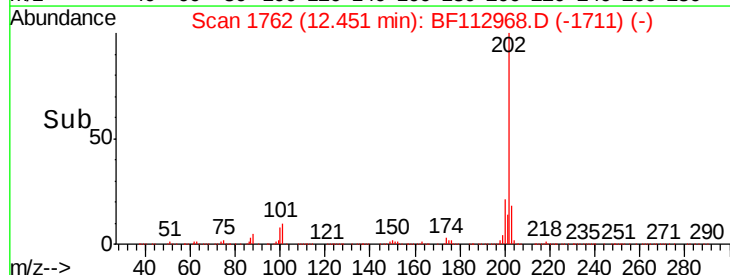
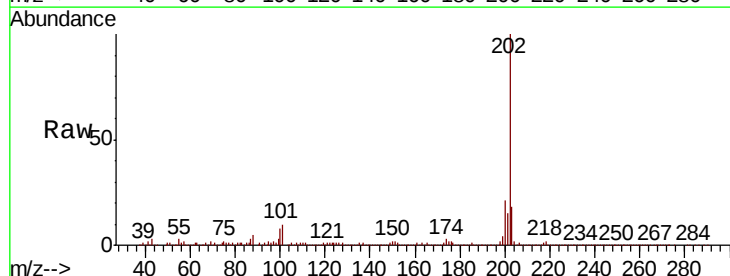
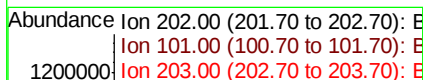
RT: 12.45 min Scan# 1762

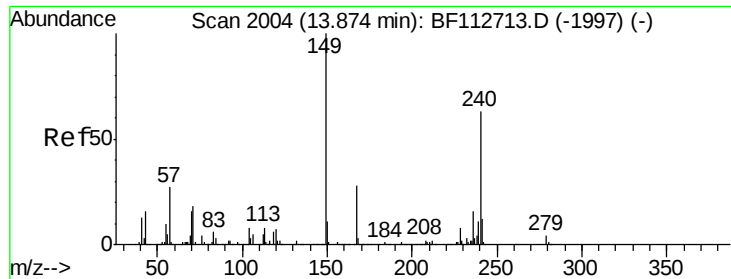
Delta R.T. -0.00 min

Lab File: BF112968.D

Acq: 11 Mar 2019 21:28

Tgt Ion:	202	Resp:	919346
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	33.8
203	18.1	0.0	38.4





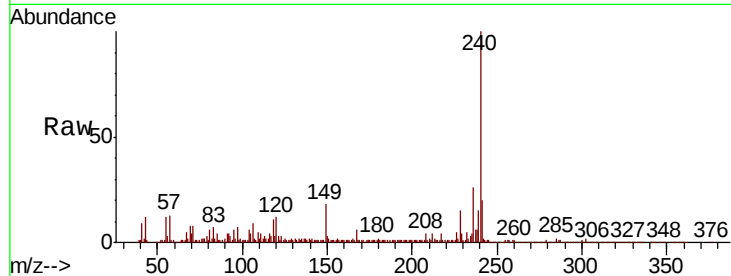
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.9	13.3
236	26.5	20.7	31.1

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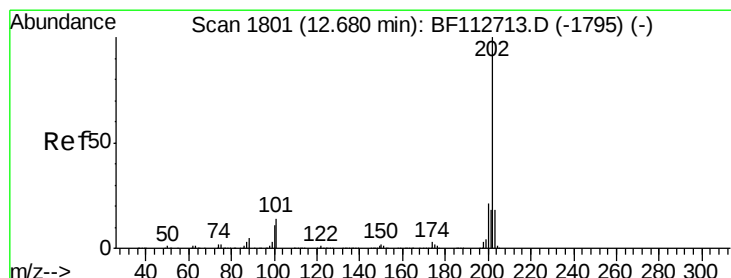
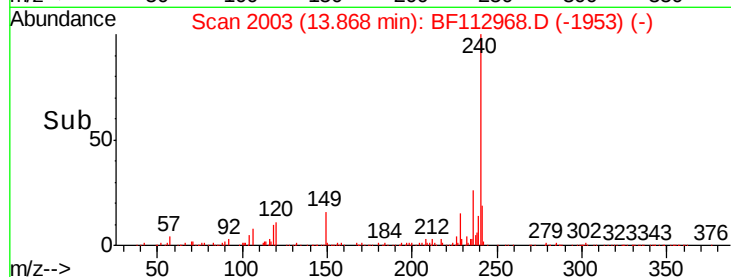
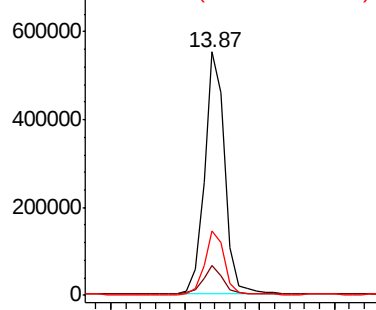


Abundance

Ion 240.00 (239.70 to 240.70): E

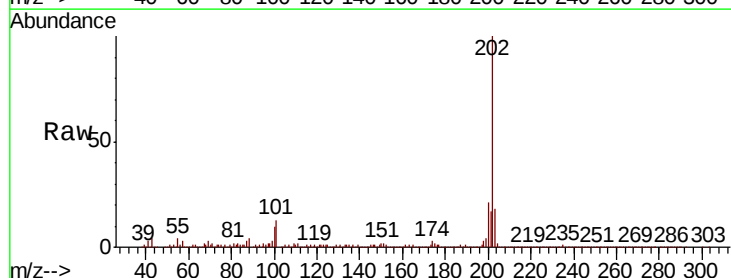
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 16.709 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	18.1	14.4	21.6

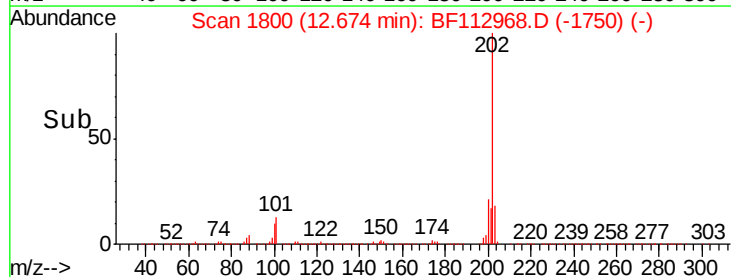
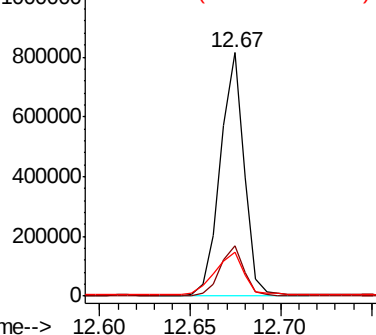


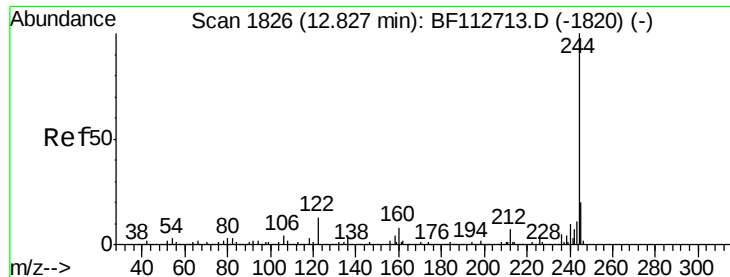
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





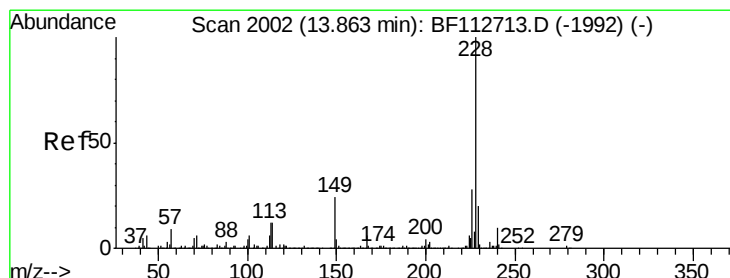
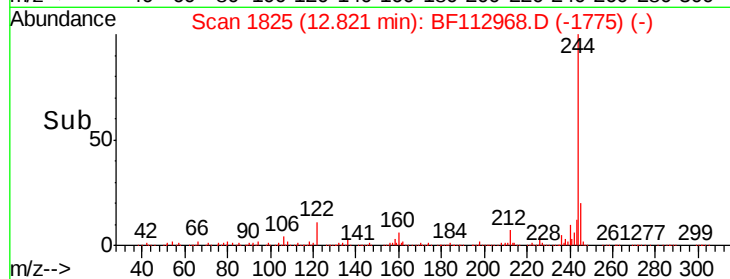
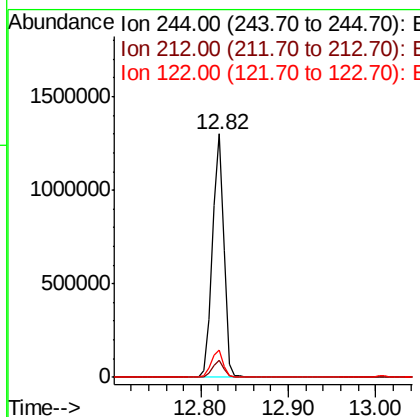
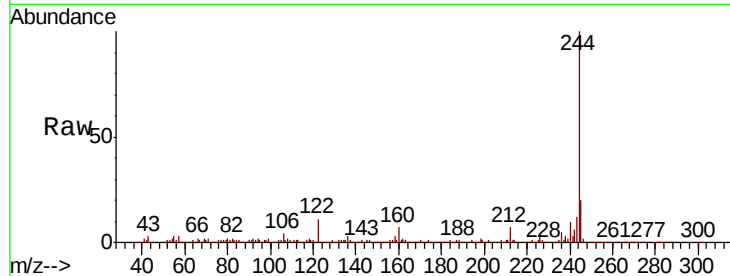
#79
 Terphenyl-d14
 Concen: 44.174 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF112968.D
 Acq: 11 Mar 2019 21:28

Instrument :
 BNA_F
 ClientSampleId :
 STOCK-PILE-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.2	10.5	15.7

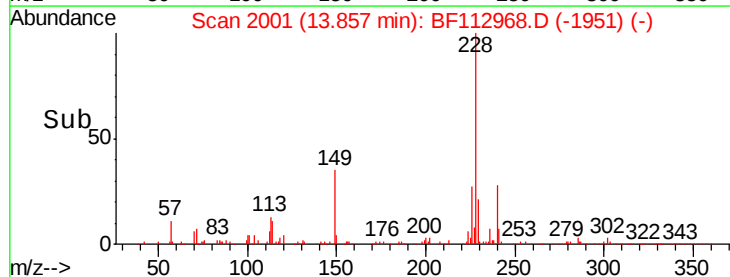
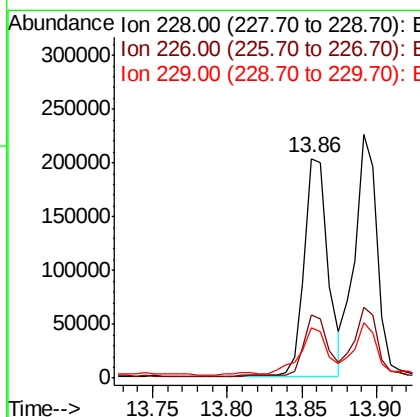
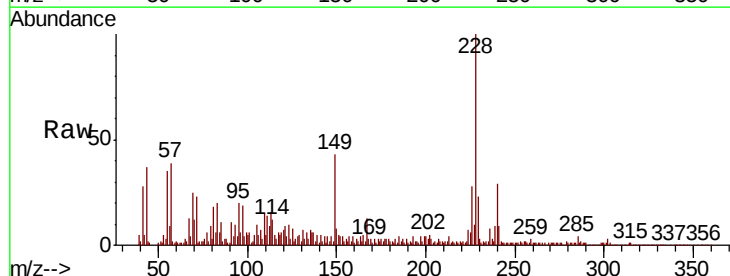
Manual Integrations
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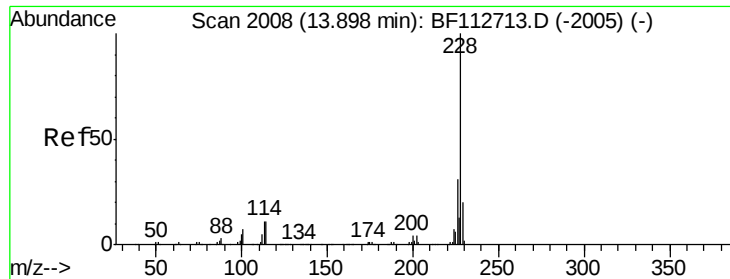
Sohil
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#81
 Benzo(a)anthracene
 Concen: 6.229 ng
 RT: 13.86 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BF112968.D
 Acq: 11 Mar 2019 21:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.4
229	22.7	16.0	24.0





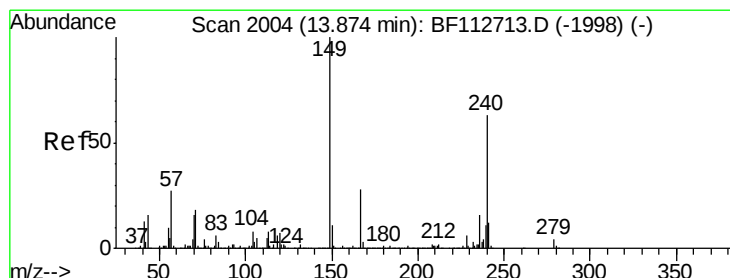
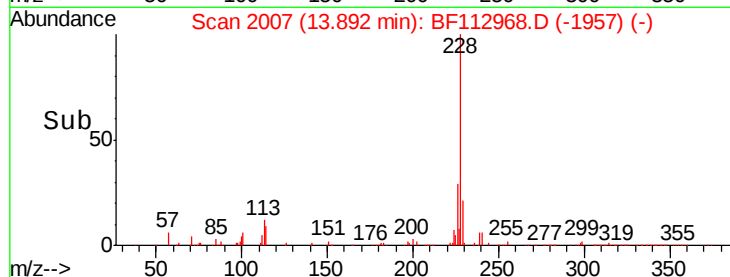
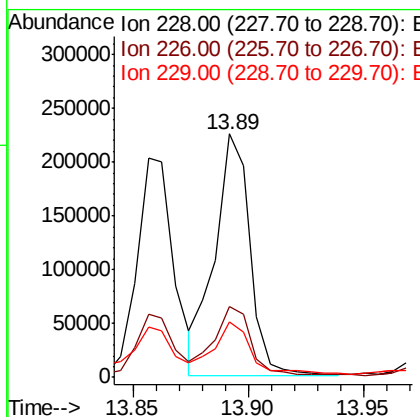
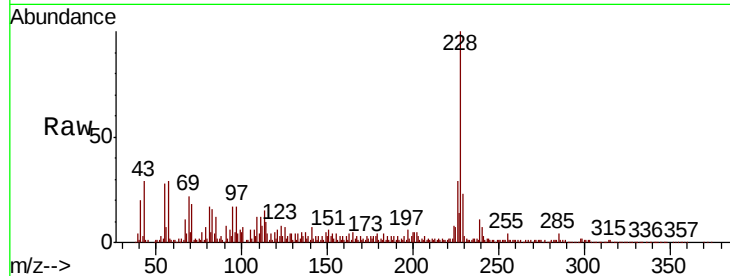
#83
Chrysene
Concen: 6.716 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	22.8	16.3	24.5

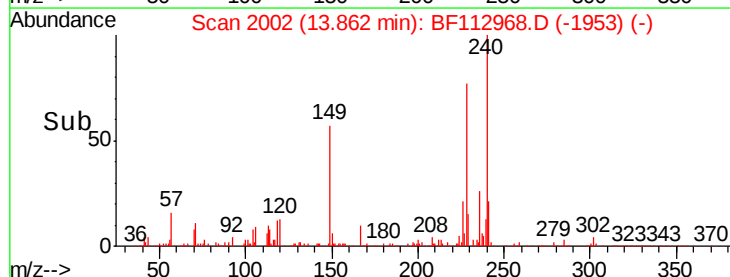
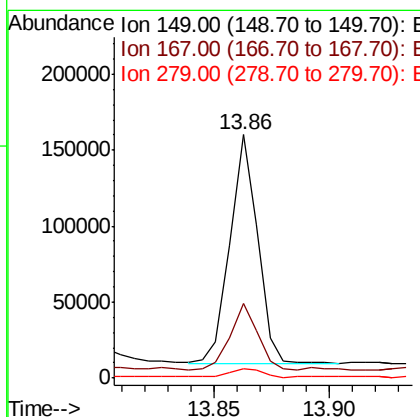
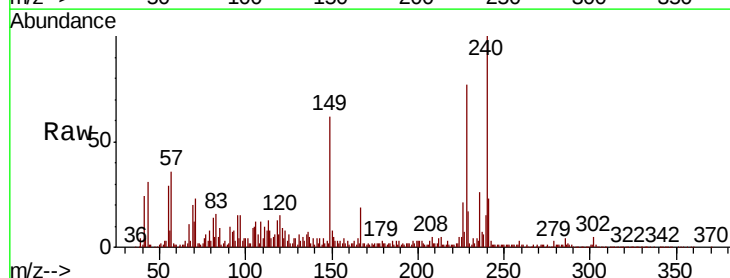
Manual Integrations
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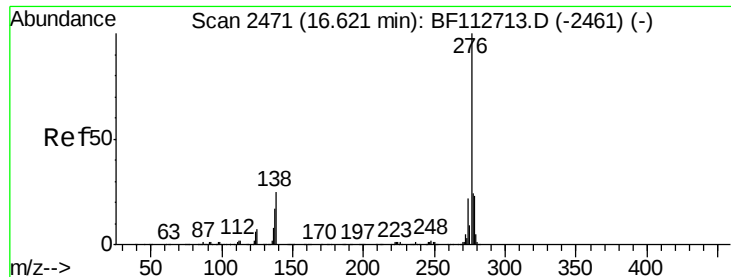
Sohil
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#84
Bis(2-ethylhexyl)phthalate
Concen: 5.524 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.8	22.4	33.6
279	4.1	3.3	4.9





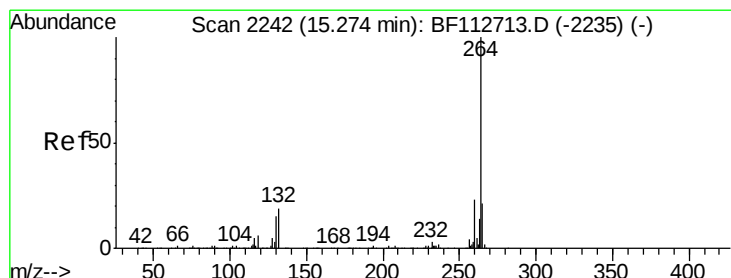
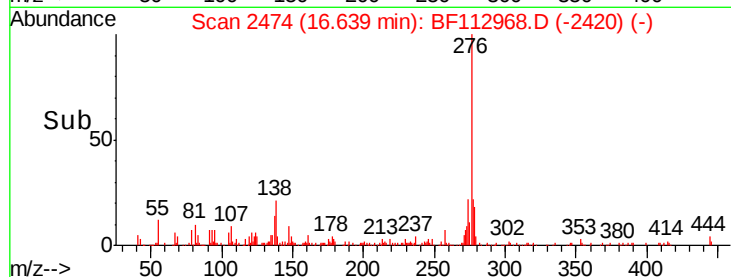
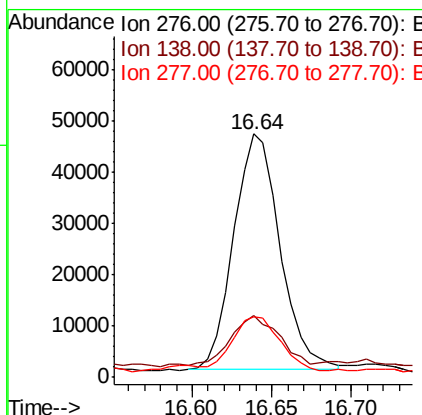
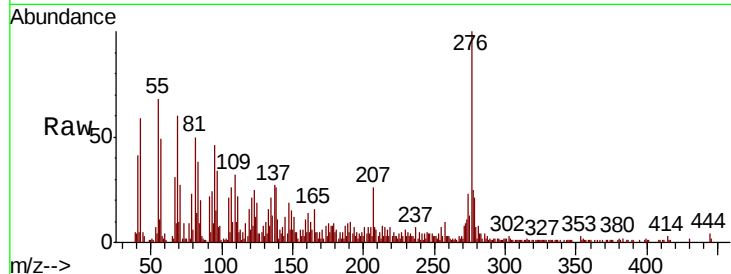
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.077 ng
RT: 16.64 min Scan# 2474
Delta R.T. 0.02 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.8	23.2	34.8#
277	5.4	19.9	29.9#

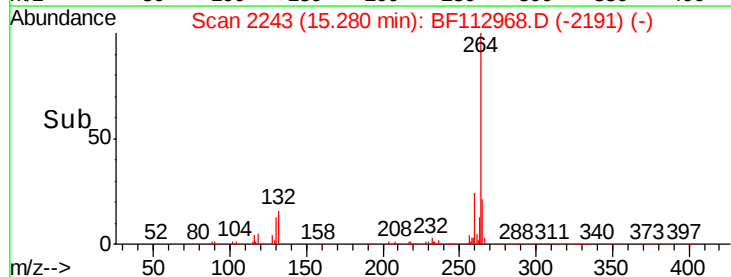
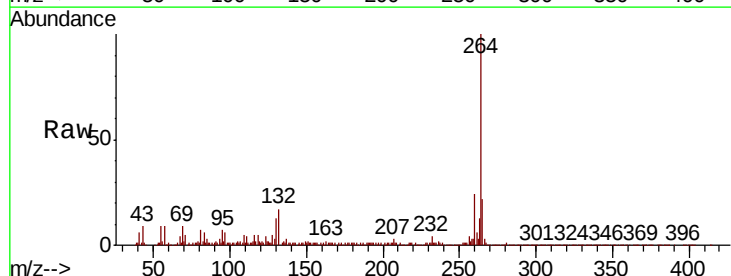
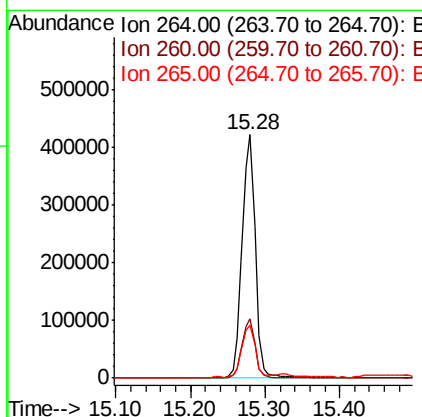
Manual Integrations
APPROVED

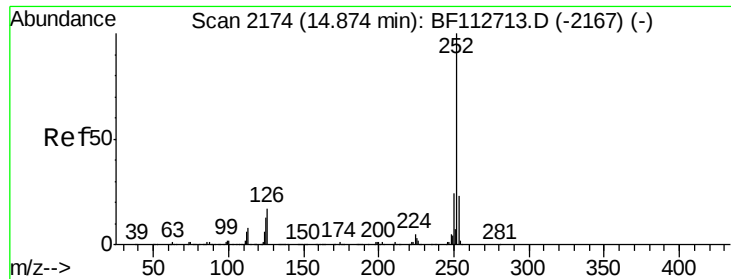
Sohil
3/12/2019 4:28:46 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	21.6	17.2	25.8





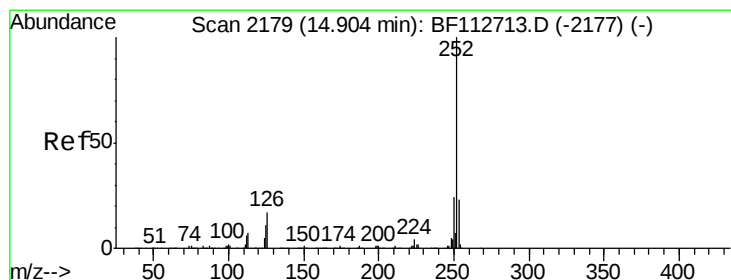
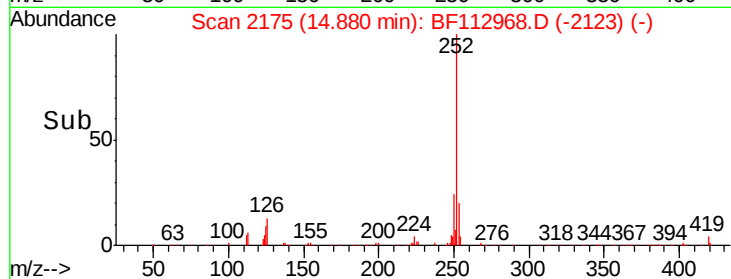
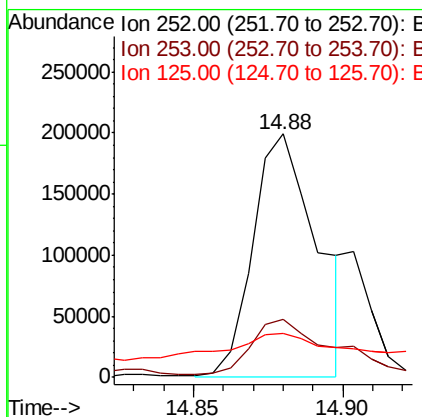
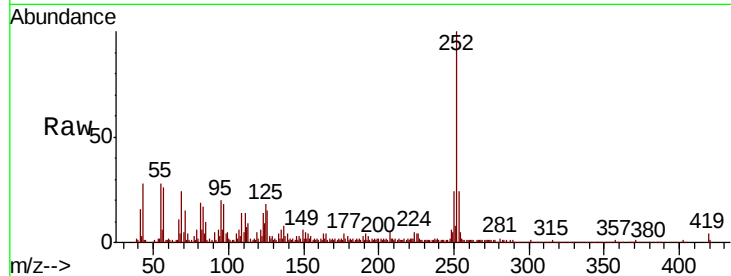
#88
Benzo(b)fluoranthene
Concen: 8.915 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Instrument :
BNA_F
ClientSampled :
STOCK-PILE-1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	297191		
253	23.8	18.0	27.0	
125	18.2	10.2	15.2	

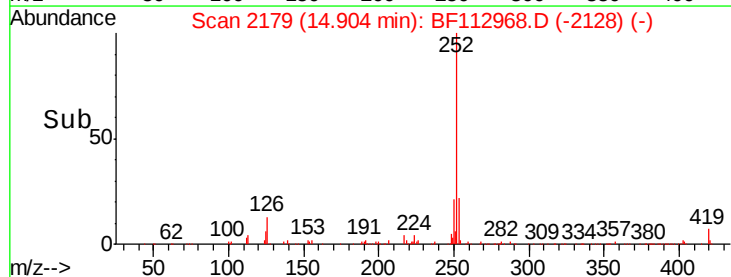
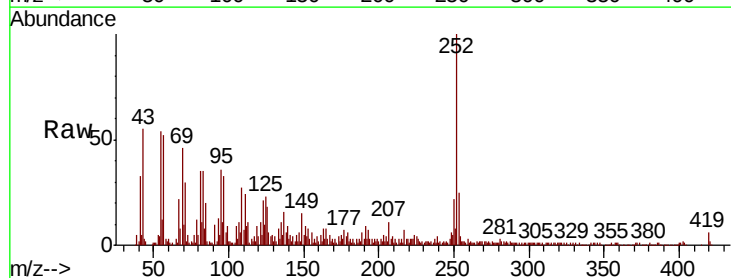
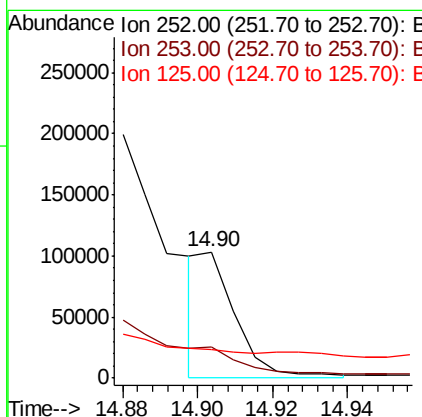
Manual Integrations
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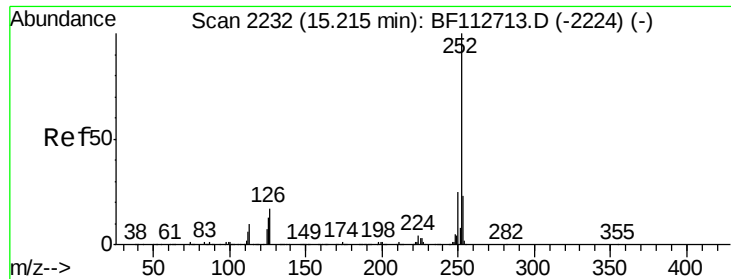
Sohil
3/12/2019 4:28:46 PM



#89
Benzo(k)fluoranthene
Concen: 2.217 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	66949		
253	25.1	18.2	27.2	
125	22.6	9.8	14.6	





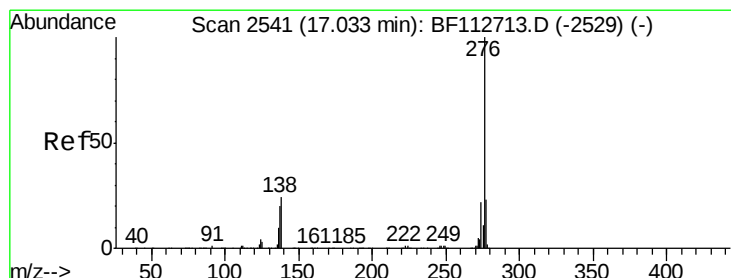
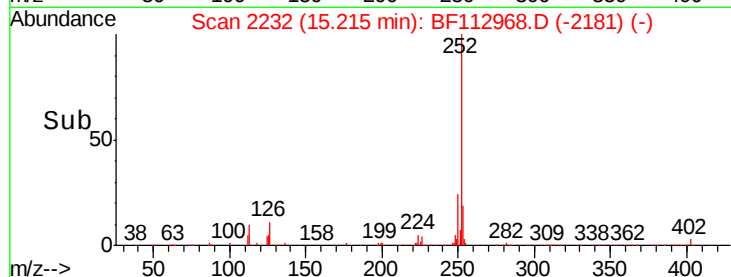
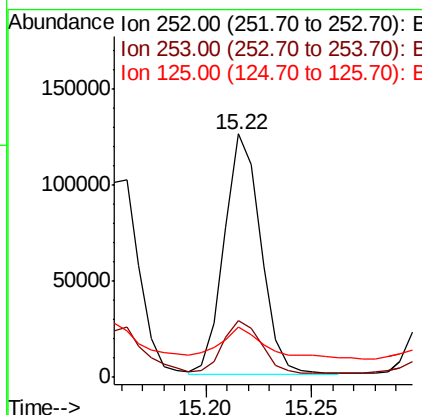
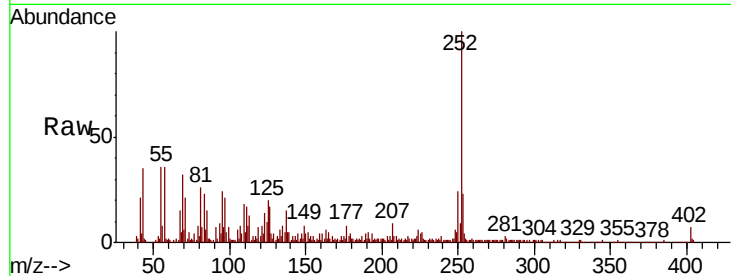
#90
Benzo(a)pyrene
Concen: 5.128 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.00 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Instrument :
BNA_F
ClientSampleId :
STOCK-PILE-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	20.5	10.7	16.1

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.579 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.03 min
Lab File: BF112968.D
Acq: 11 Mar 2019 21:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	27.8
138	26.4	19.4	29.0

