

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
 Data File : BF113230.D
 Acq On : 22 Mar 2019 13:07
 Operator : JU/SJ
 Sample : K1989-05 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11

Manual Integrations
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Quant Time: Mar 22 16:43:30 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 22 16:06:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	122642	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	481999	20.00	ng	0.00
39) Acenaphthene-d10	9.75	164	249698	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	396909	20.00	ng	0.01
76) Chrysene-d12	13.89	240	294332	20.00	ng	0.02
87) Perylene-d12	15.29	264	409774	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	139121	17.65	ng	-0.01
7) Phenol-d6	6.36	99	195755	19.77	ng	-0.01
23) Nitrobenzene-d5	7.27	82	111122	13.80	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	59073	22.28	ng	0.00
45) 2-Fluorobiphenyl	9.07	172	251955	12.53	ng	-0.01
79) Terphenyl-d14	12.82	244	270855	17.84	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.71	142	62652	4.054	ng	98
38) 1-Methylnaphthalene	8.81	142	45822	3.061	ng	98
46) 1,1'-Biphenyl	9.17	154	88228	4.332	ng	99
49) Acenaphthylene	9.61	152	188086	6.967	ng	99
52) Acenaphthene	9.78	154	499359	31.629	ng	99
55) Dibenzofuran	9.96	168	1248839	54.424	ng	99
58) Fluorene	10.30	166	415122	25.489	ng	99
71) Phenanthrene	11.31	178	10889108	551.409	ng	96
72) Anthracene	11.33	178	993907	48.081	ng	100
73) Carbazole	11.47	167	1666031	82.618	ng	99
75) Fluoranthene	12.50	202	12836351	606.706	ng	97
78) Pyrene	12.73	202	10088647	406.589	ng	94
81) Benzo(a)anthracene	13.88	228	4107201	201.341	ng	97
83) Chrysene	13.93	228	4473417	223.876	ng	95
86) Indeno(1,2,3-cd)pyrene	16.66	276	1008379	59.195	ng	96
88) Benzo(b)fluoranthene	14.90	252	3886224m	146.620	ng	
89) Benzo(k)fluoranthene	14.93	252	1136510m	47.338	ng	
90) Benzo(a)pyrene	15.24	252	1262242	53.840	ng	97
91) Dibenzo(a,h)anthracene	16.66	278	267832m	13.388	ng	
92) Benzo(g,h,i)perylene	17.07	276	817108	40.676	ng	99

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

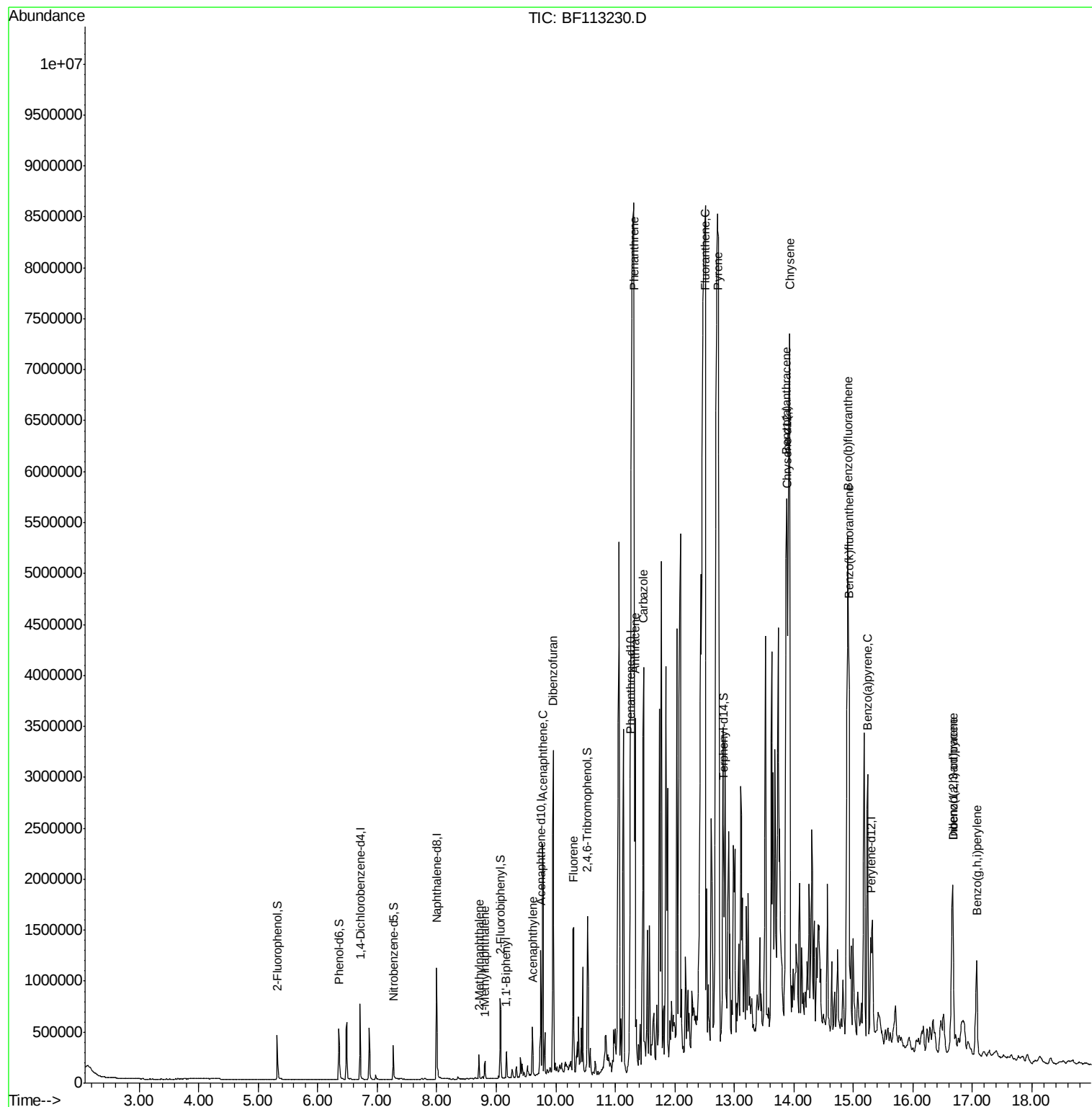
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032219\
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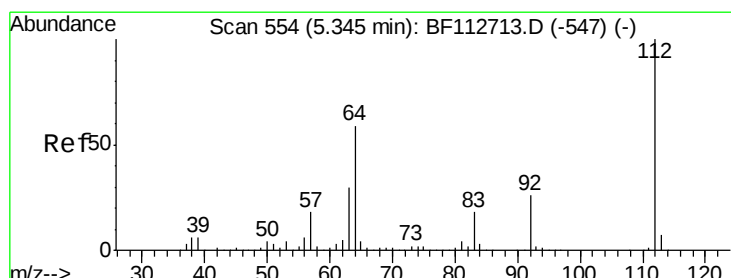
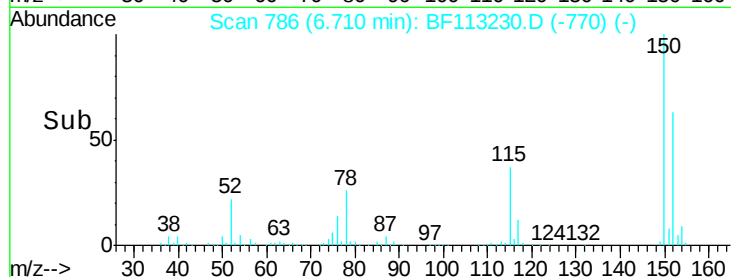
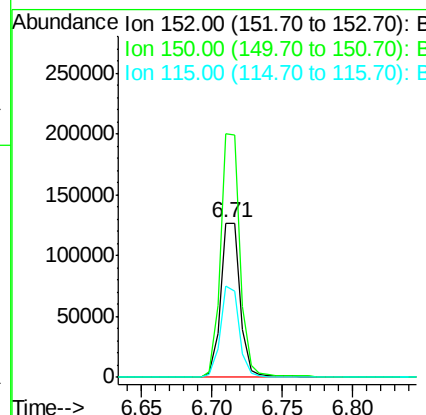
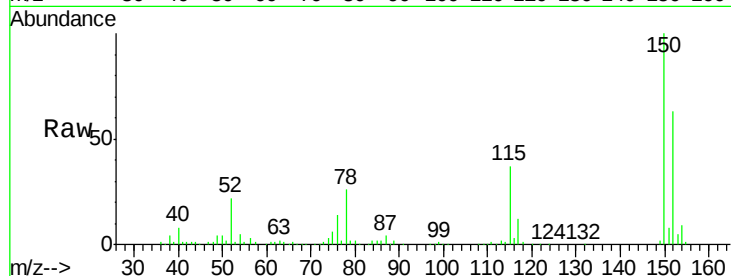
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 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.2	186.2
115	59.0	47.4	71.0

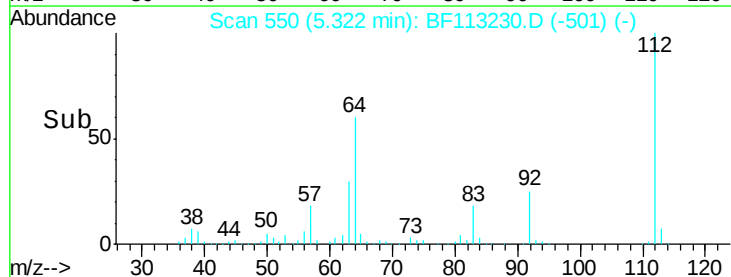
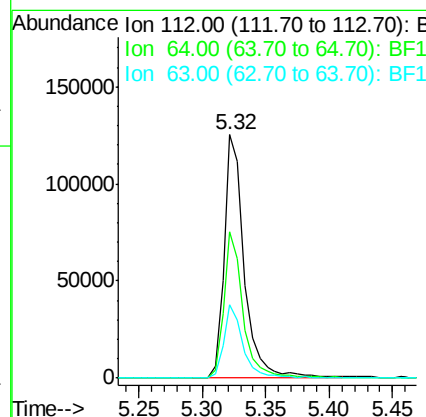
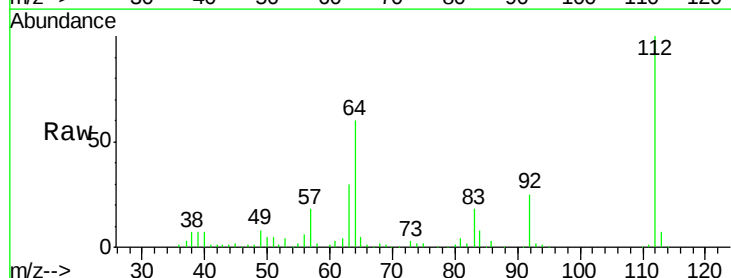
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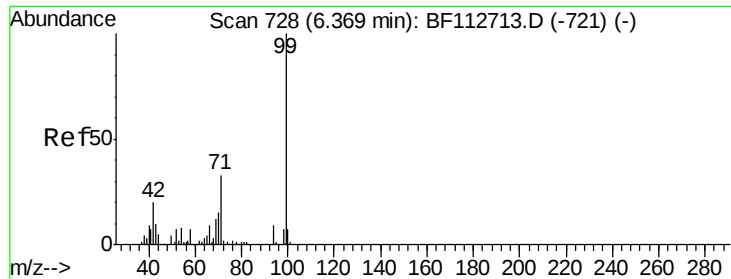
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#5
 2-Fluorophenol
 Concen: 17.646 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.3	48.7	73.1
63	30.0	24.9	37.3





#7

Phenol-d6

Concen: 19.766 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF113230.D

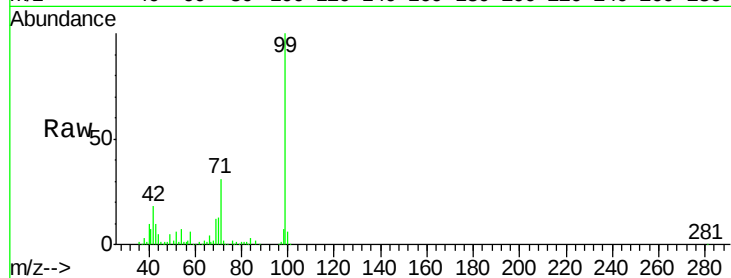
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Instrument :

BNA_F

ClientSampleId :

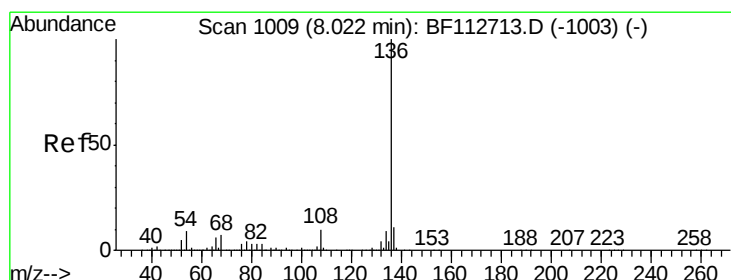
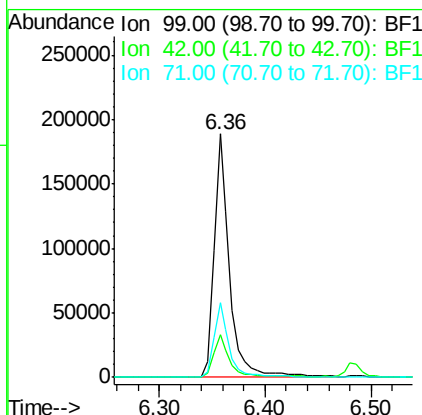
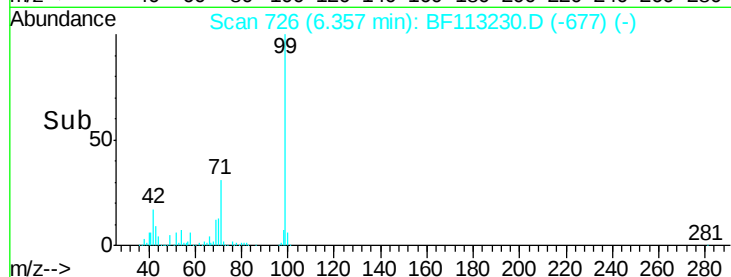
PEDESTALS-1-11



Tgt Ion	Ratio	Resp	Lower	Upper
99	100	195755		
42	17.8	15.0	22.6	
71	30.6	25.4	38.0	

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#21

Naphthalene-d8

Concen: 20.000 ng

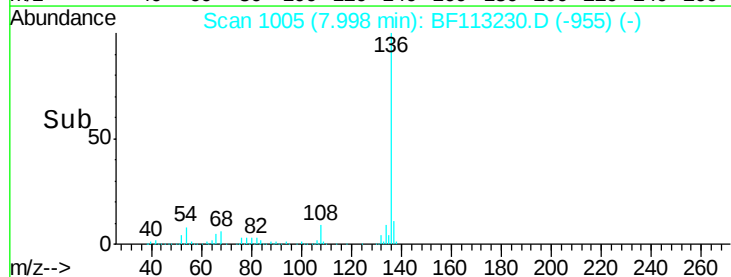
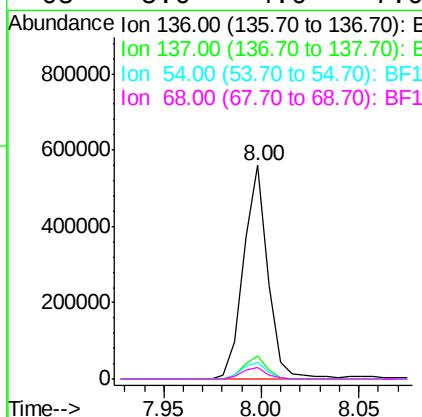
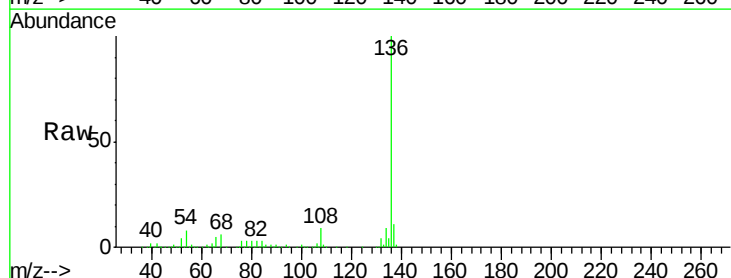
RT: 8.00 min Scan# 1005

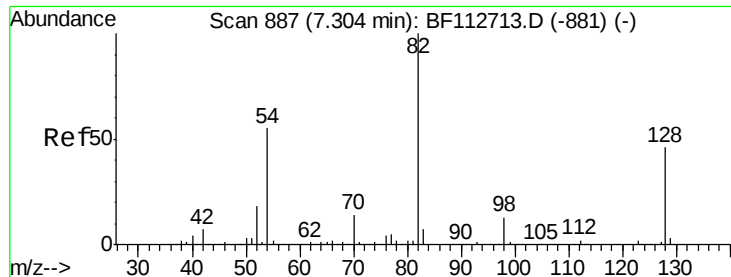
Delta R.T. -0.01 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	481999		
137	10.9	8.7	13.1	
54	7.8	6.2	9.2	
68	5.6	4.6	7.0	





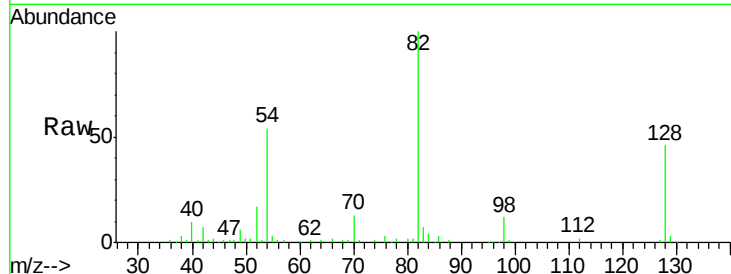
#23
Nitrobenzene-d5
Concen: 13.795 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

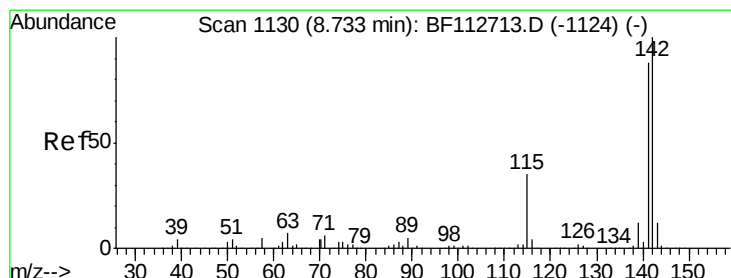
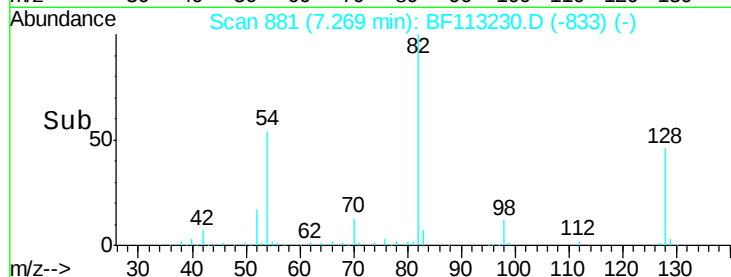
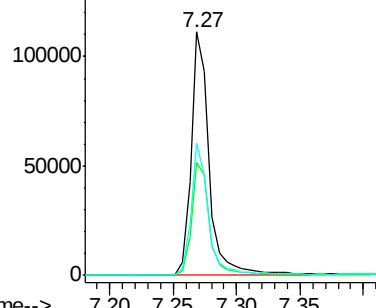
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	46.3	37.5	56.3
54	54.1	41.8	62.8

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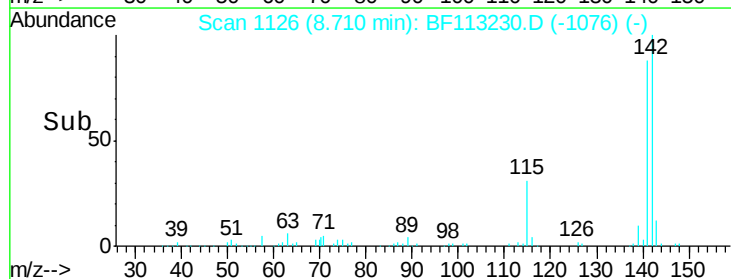
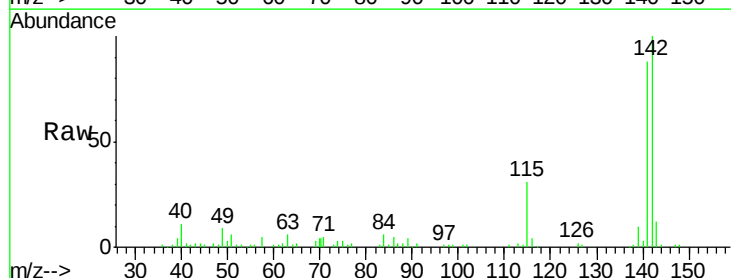
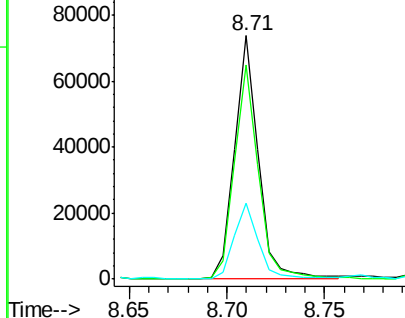
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Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF1

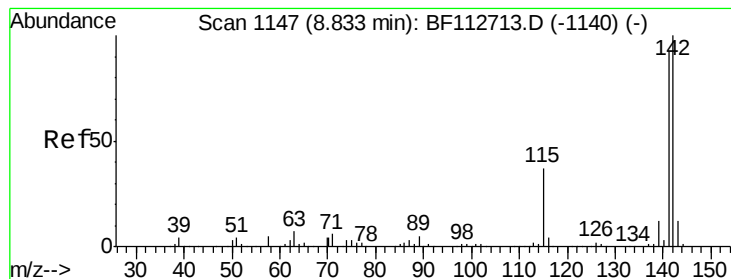


#37
2-Methylnaphthalene
Concen: 4.054 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
142	100		
141	87.9	70.6	105.8
115	31.4	27.3	40.9

Abundance Ion 142.00 (141.70 to 142.70): B
Ion 141.00 (140.70 to 141.70): B
Ion 115.00 (114.70 to 115.70): B





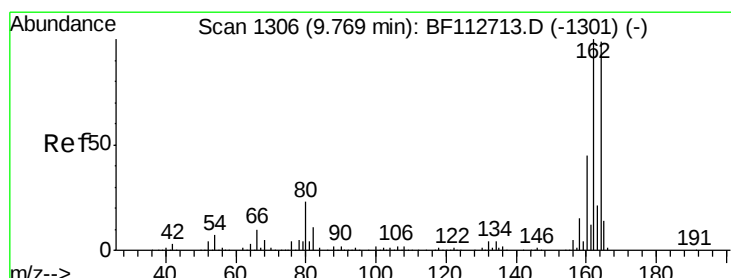
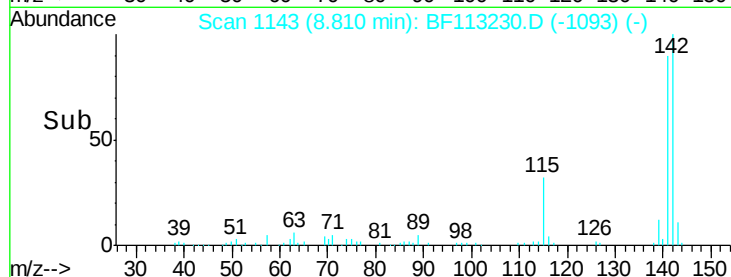
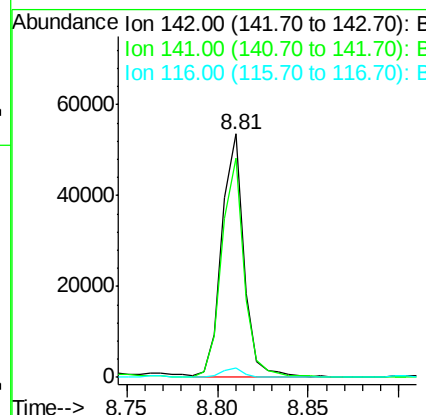
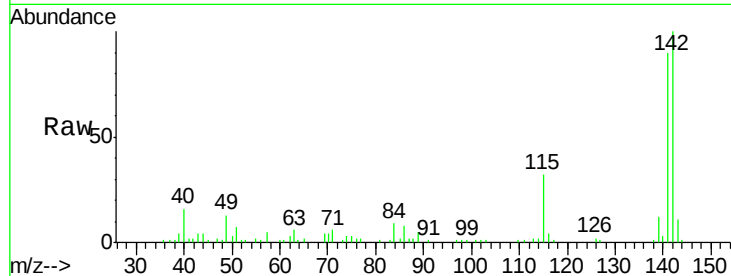
#38
1-Methylnaphthalene
Concen: 3.061 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.2	73.4	110.0
116	3.7	2.9	4.3

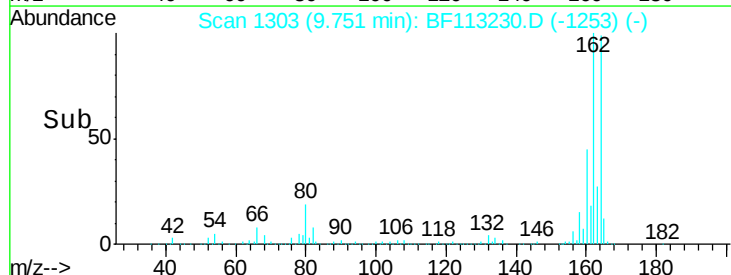
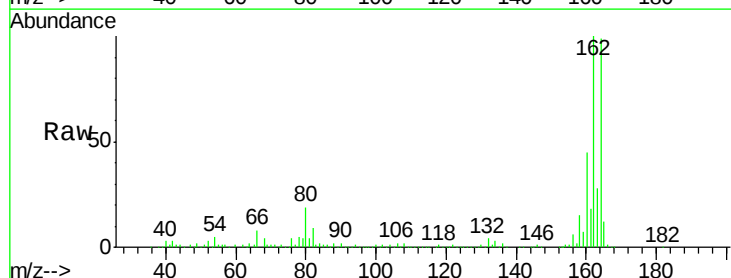
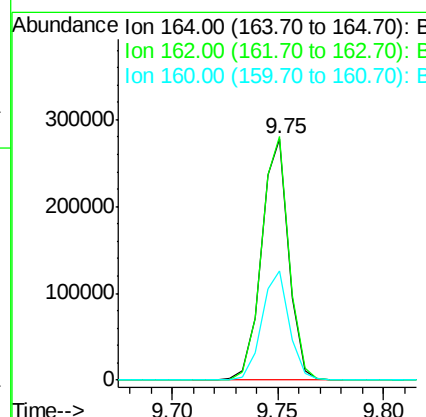
Manual Integrations
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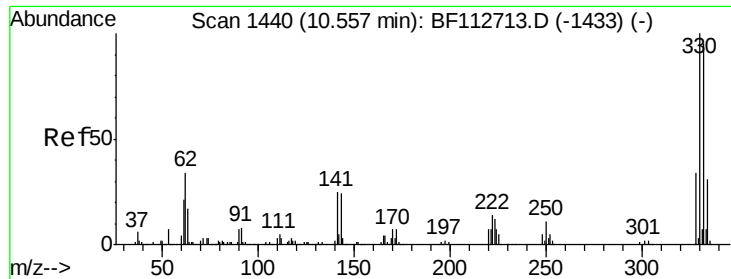
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.7	121.1
160	45.1	36.4	54.6





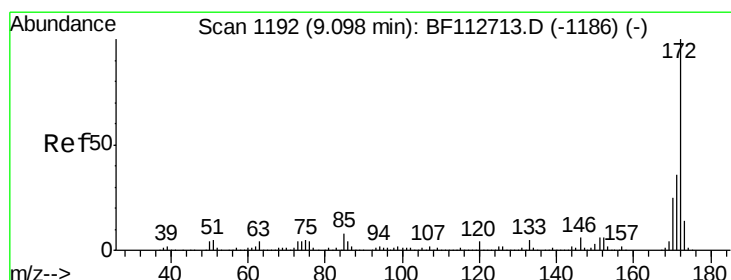
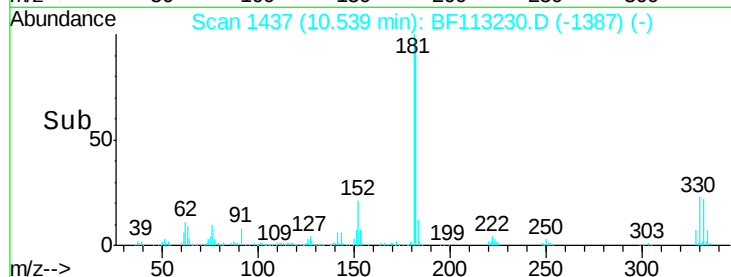
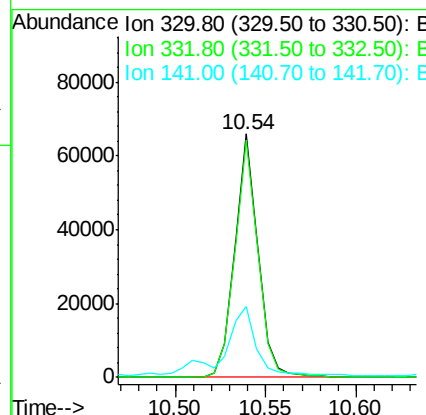
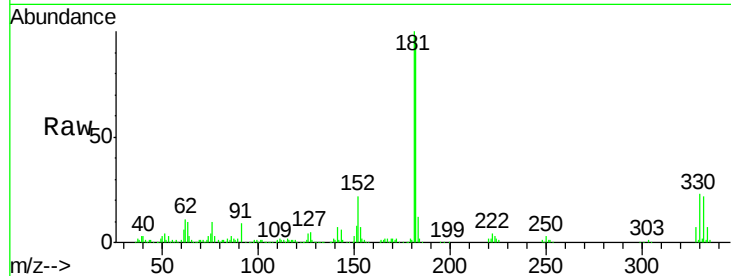
#42
 2,4,6-Tribromophenol
 Concen: 22.284 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	59073		
332	97.1		75.8	113.8
141	31.9		21.8	32.8

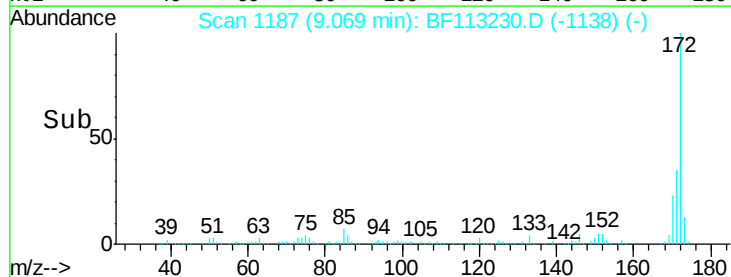
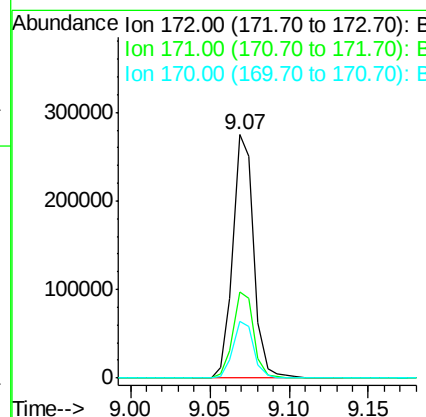
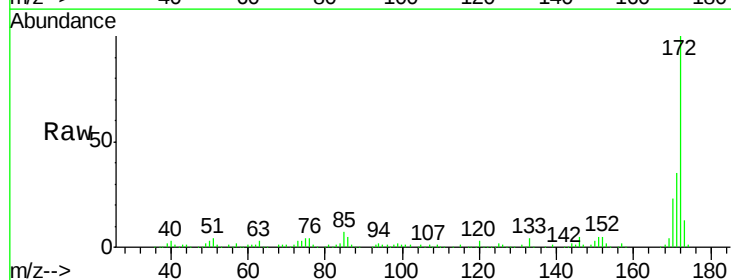
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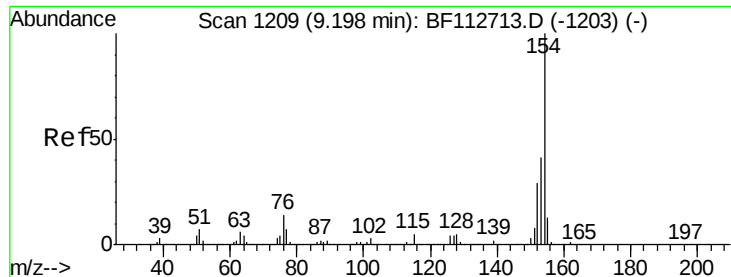
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#45
 2-Fluorobiphenyl
 Concen: 12.525 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	251955		
171	35.2		29.2	43.8
170	23.1		20.1	30.1





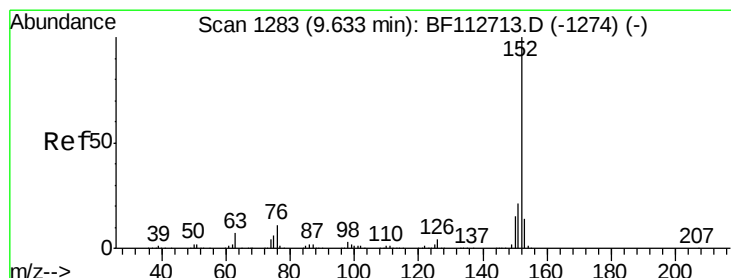
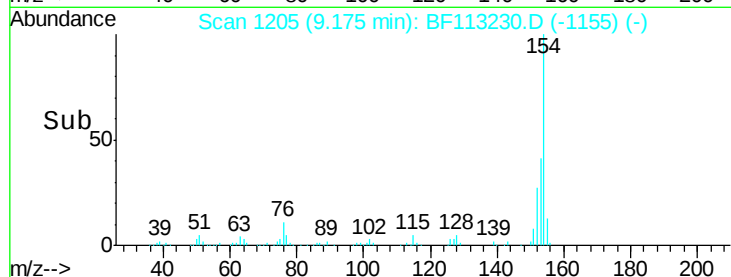
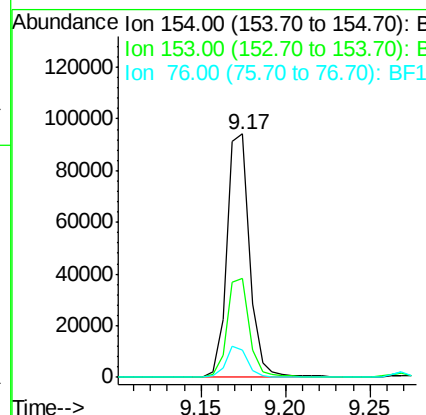
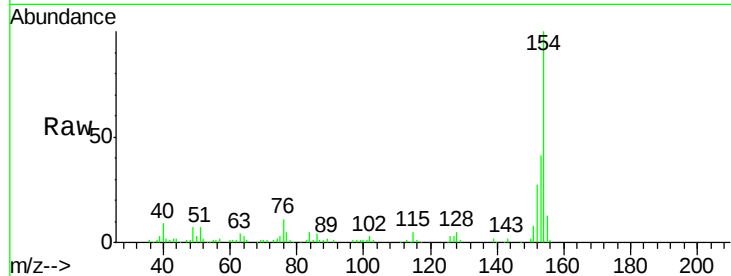
#46
 1,1'-Biphenyl
 Concen: 4.332 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Instrument :
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 PEDESTALS-1-11

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	88228		
153	40.6	20.8	60.8	
76	11.0	0.0	33.0	

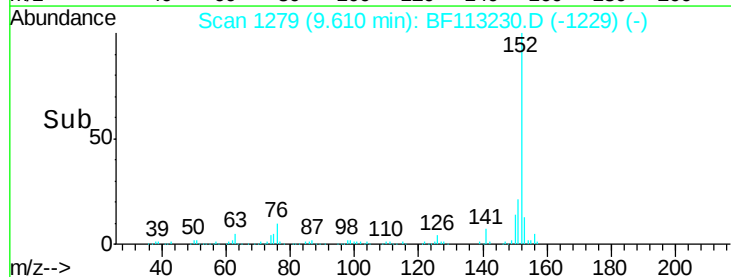
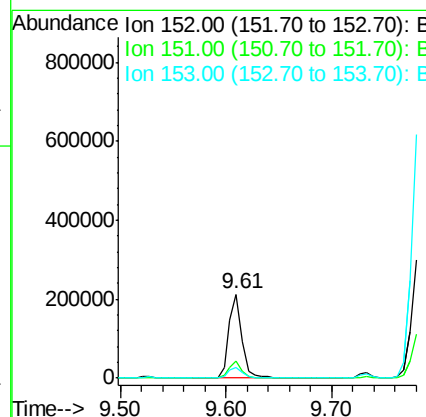
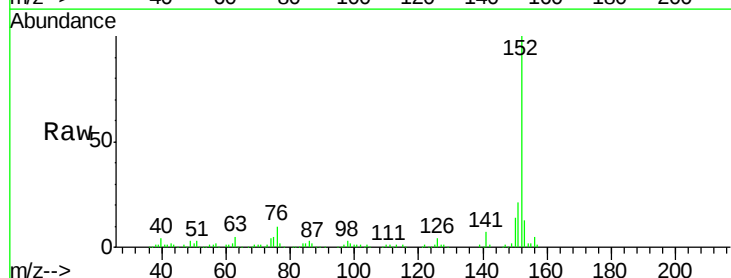
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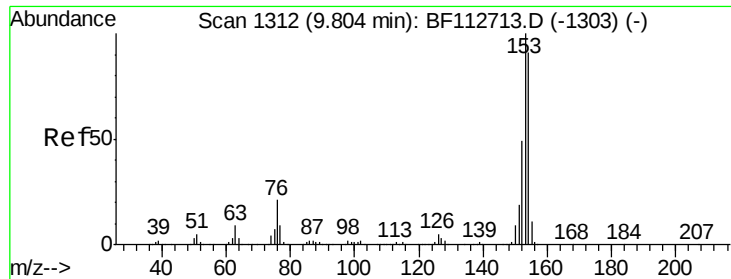
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#49
 Acenaphthylene
 Concen: 6.967 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	188086		
151	20.5	16.8	25.2	
153	13.1	11.1	16.7	





#52

Acenaphthene

Concen: 31.629 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

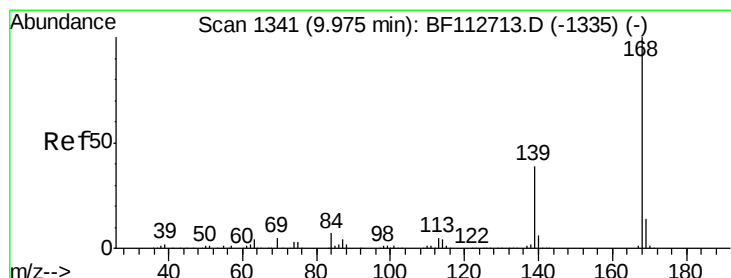
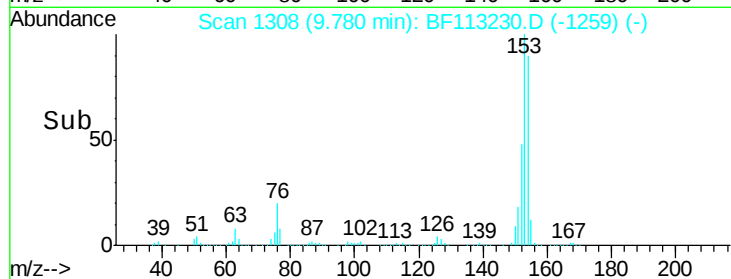
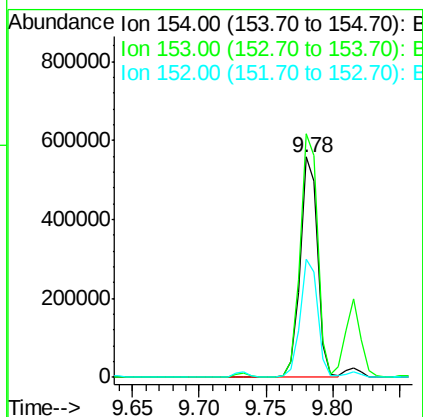
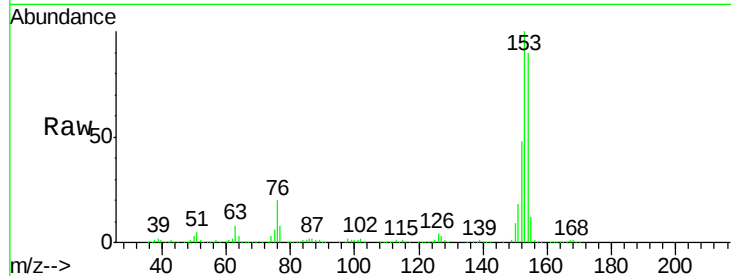
ClientSampleId :

PEDESTALS-1-11

Tgt Ion:	154	Resp:	499359
Ion Ratio	Lower	Upper	
154	100		
153	110.7	88.0	132.0
152	53.4	43.0	64.4

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#55

Dibenzofuran

Concen: 54.424 ng

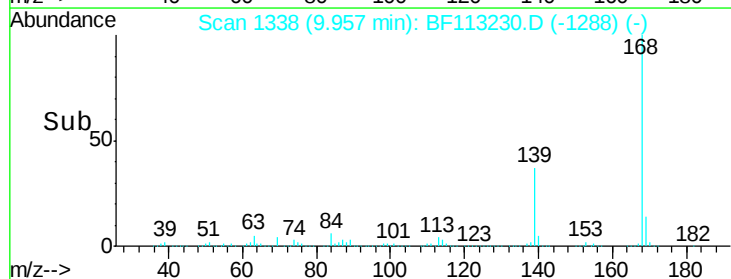
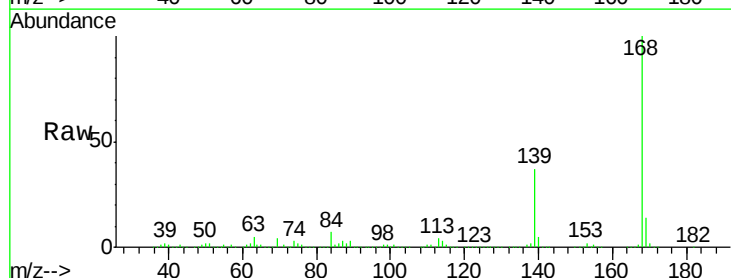
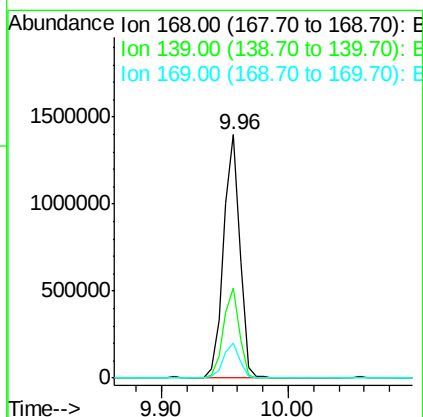
RT: 9.96 min Scan# 1338

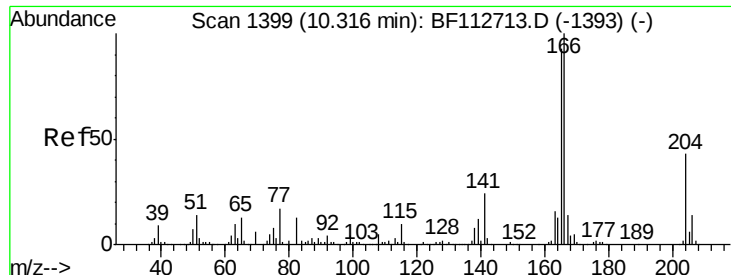
Delta R.T. -0.01 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Tgt Ion:	168	Resp:	1248839
Ion Ratio	Lower	Upper	
168	100		
139	36.9	29.0	43.4
169	14.2	11.1	16.7





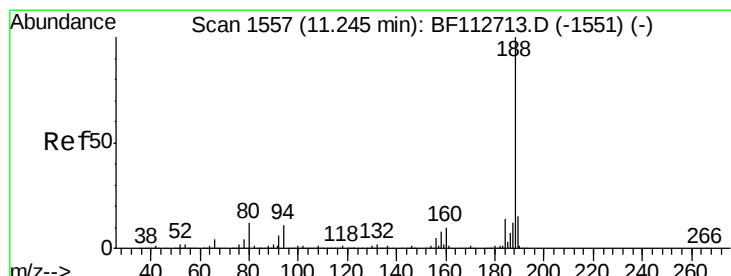
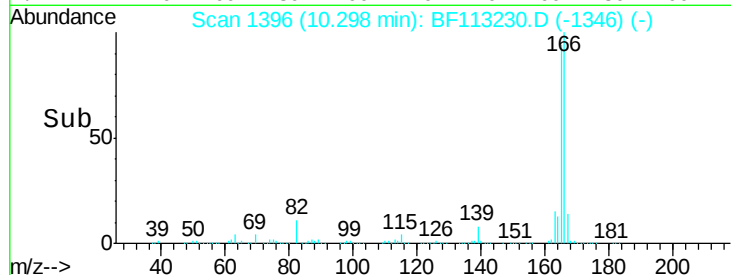
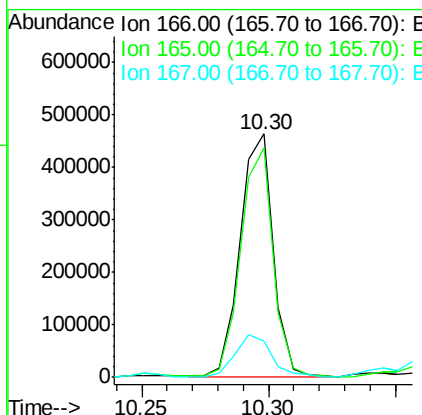
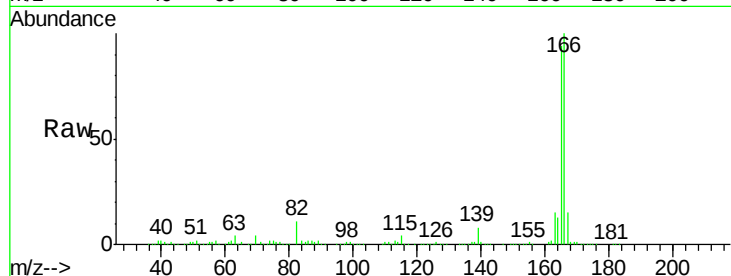
#58
Fluorene
 Concen: 25.489 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.1	74.6	112.0
167	14.7	11.0	16.4

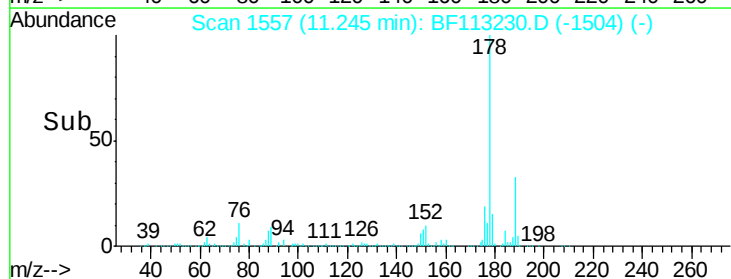
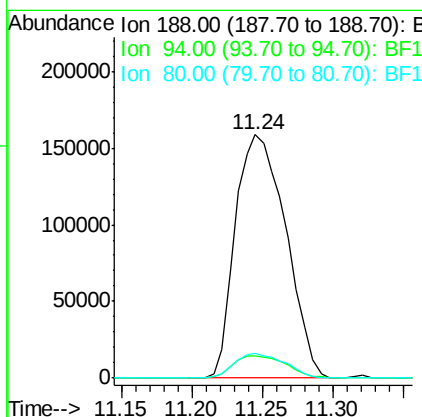
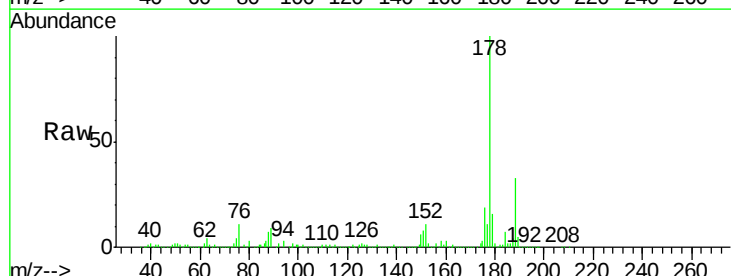
Manual Integrations
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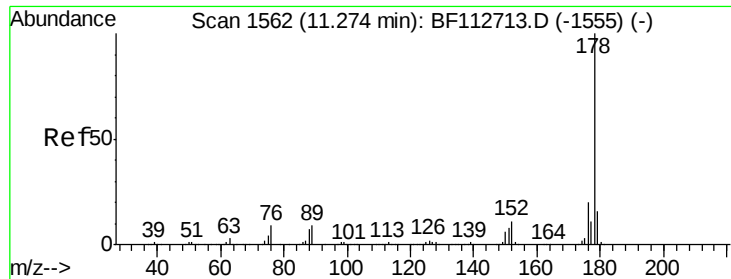
Sohil
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. 0.01 min
 Lab File: BF113230.D
 Acq: 22 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.6	11.4
80	10.2	7.8	11.8





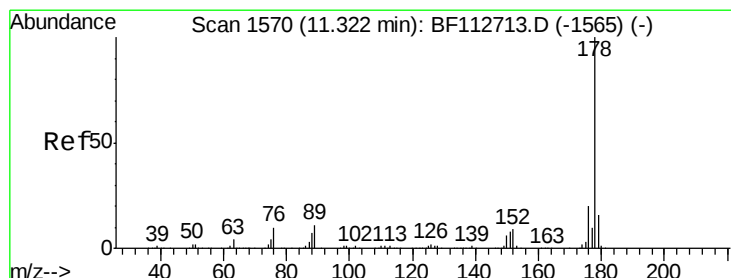
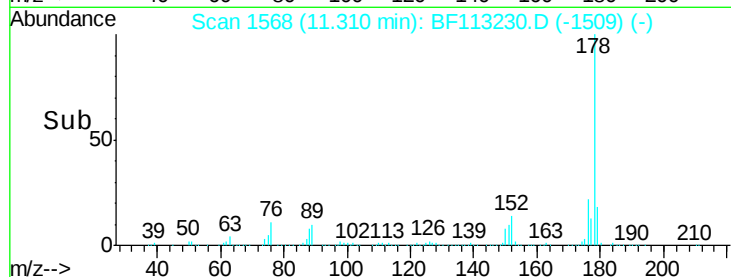
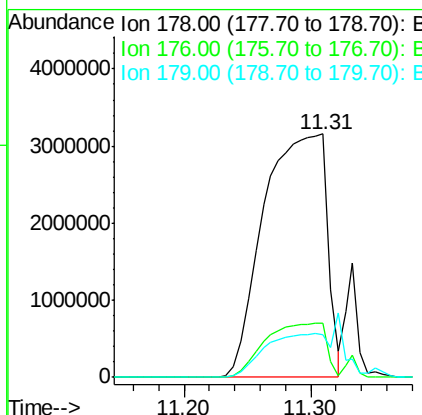
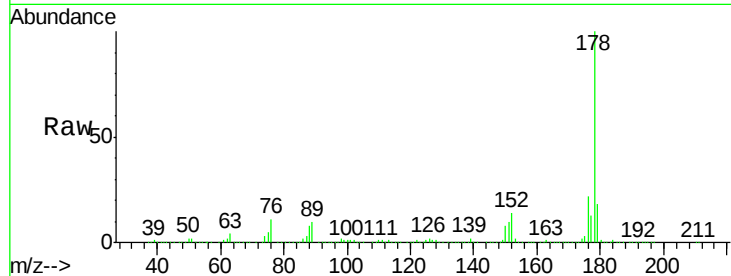
#71
Phenanthrene
Concen: 551.409 ng
RT: 11.31 min Scan# 1568
Delta R.T. 0.05 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

Tgt Ion:178 Resp:10889108
Ion Ratio Lower Upper
178 100
176 22.3 16.3 24.5
179 17.7 12.7 19.1

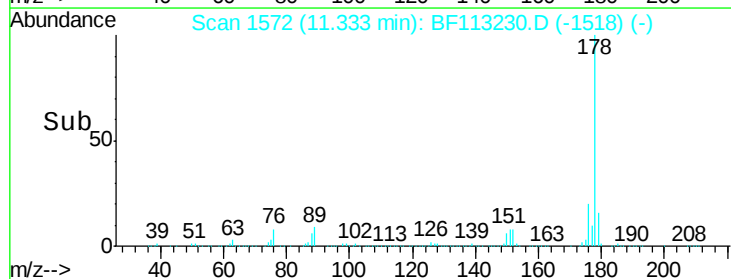
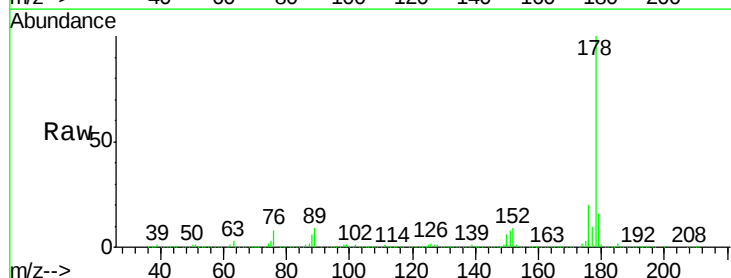
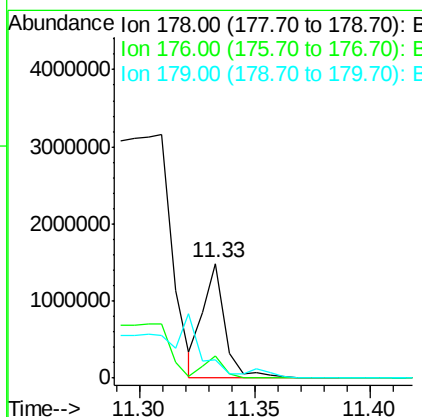
Manual Integrations
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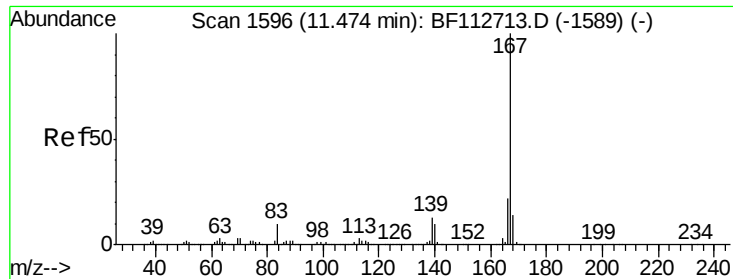
Sohil
3/25/2019 6:32:02 PM



#72
Anthracene
Concen: 48.081 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.02 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion:178 Resp: 993907
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 16.4 13.0 19.4





#73

Carbazole

Concen: 82.618 ng

RT: 11.47 min Scan# 1596

Delta R.T. 0.01 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

ClientSampleId :

PEDESTALS-1-11

Tgt Ion:167 Resp: 1666031

Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

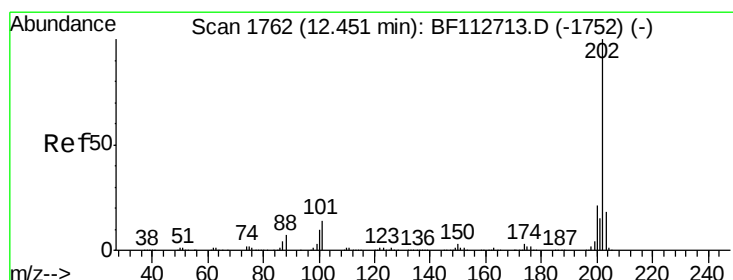
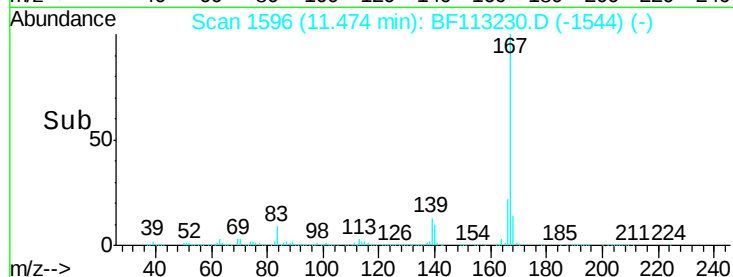
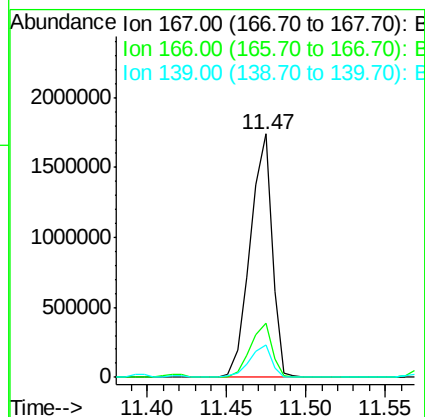
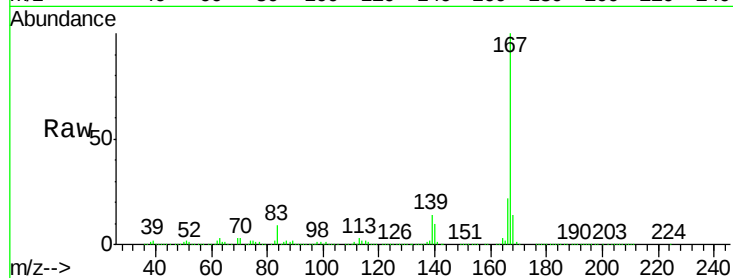
139 13.5 10.6 16.0

Manual Integrations

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3/25/2019 6:32:02 PM



#75

Fluoranthene

Concen: 606.706 ng

RT: 12.50 min Scan# 1771

Delta R.T. 0.06 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

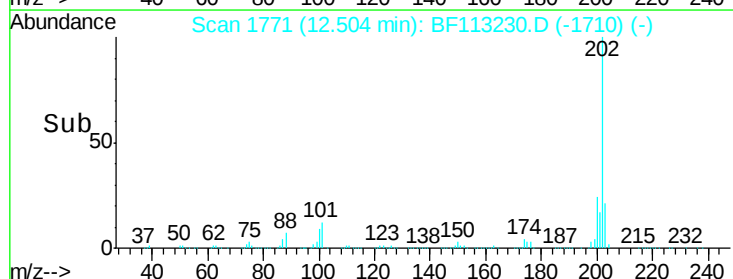
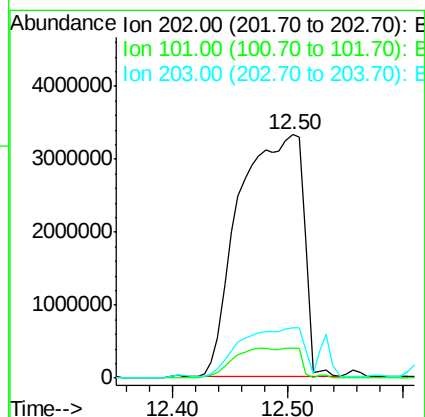
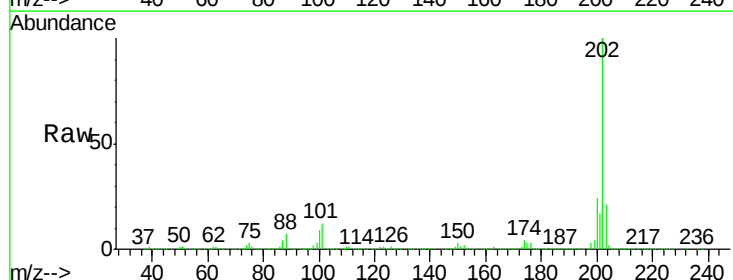
Tgt Ion:202 Resp:12836351

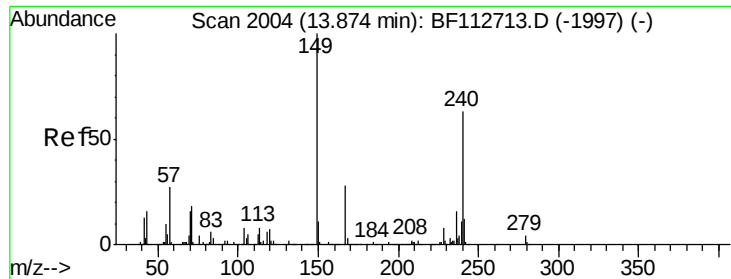
Ion Ratio Lower Upper

202 100

101 12.4 0.0 32.0

203 20.7 0.0 38.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.02 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

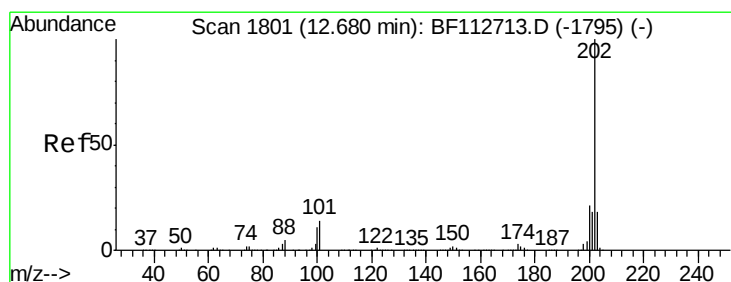
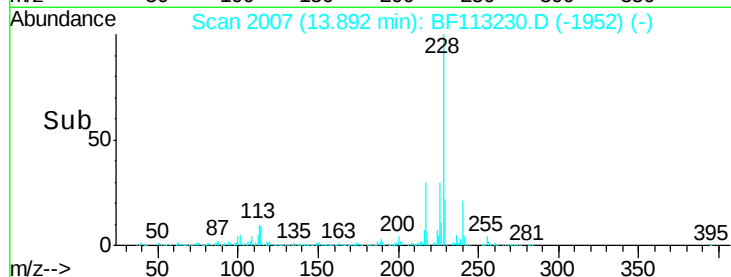
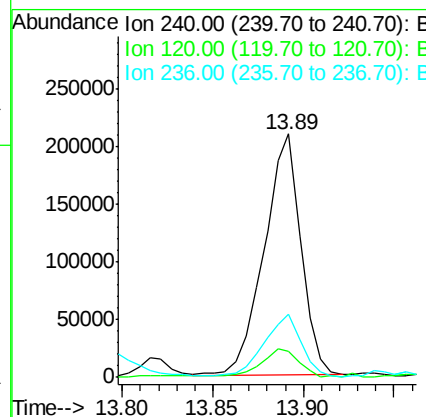
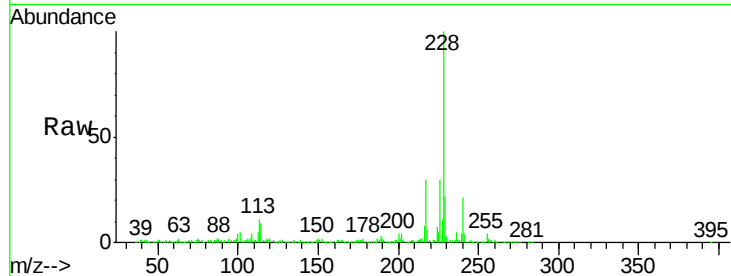
ClientSampleId :

PEDESTALS-1-11

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	294332		
120	10.6	9.6	14.4	
236	26.2	21.1	31.7	

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#78

Pyrene

Concen: 406.589 ng

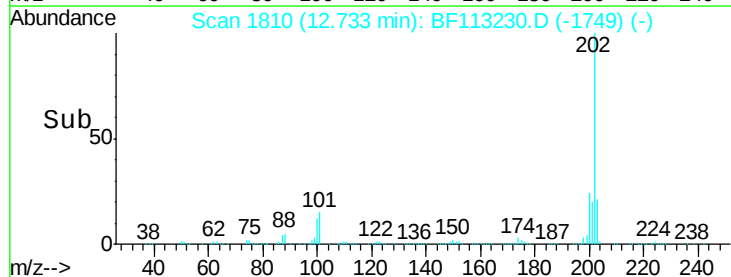
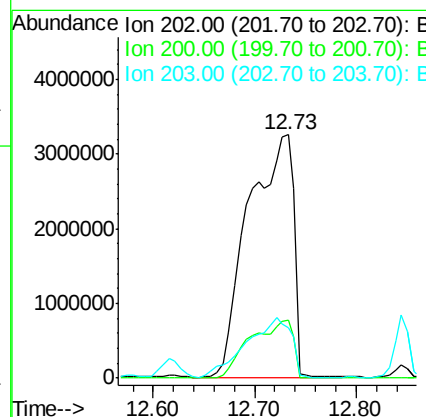
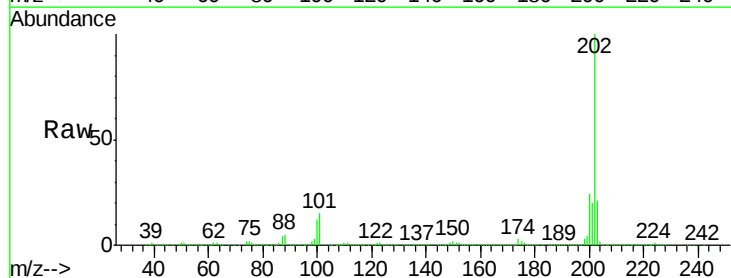
RT: 12.73 min Scan# 1810

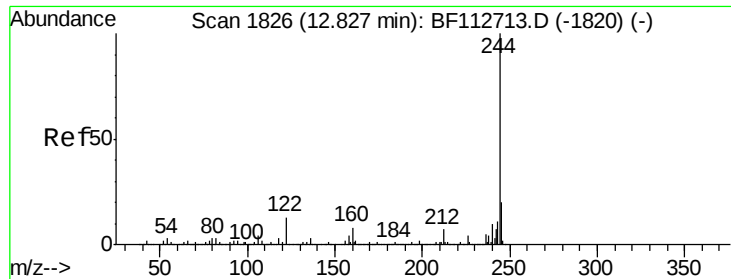
Delta R.T. 0.06 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	10088647		
200	24.1	17.0	25.4	
203	20.8	14.7	22.1	





#79

Terphenyl-d14

Concen: 17.839 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.00 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

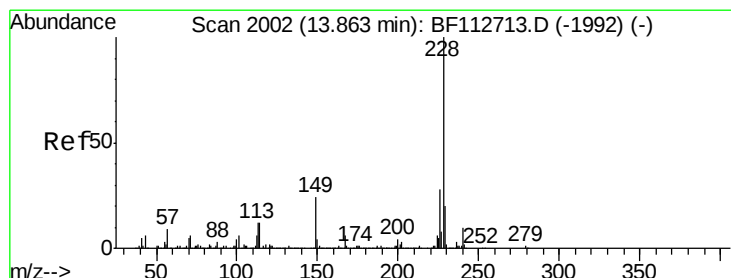
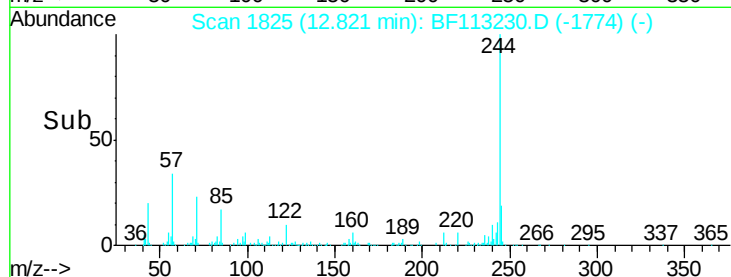
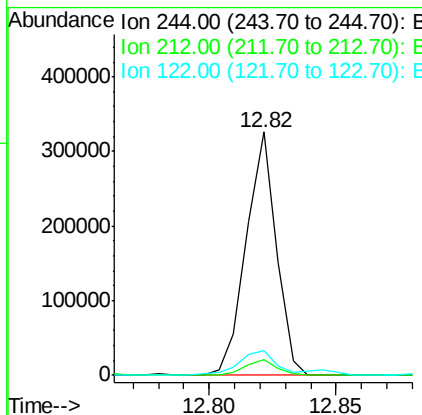
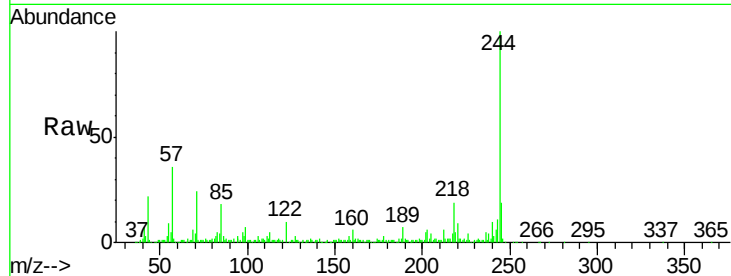
ClientSampleId :

PEDESTALS-1-11

Tgt Ion:	244	Resp:	270855
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.0	8.4	12.6

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 201.341 ng

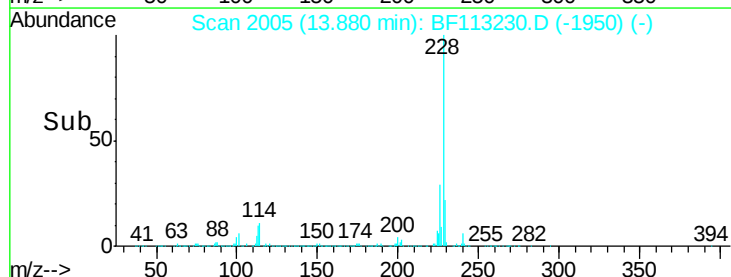
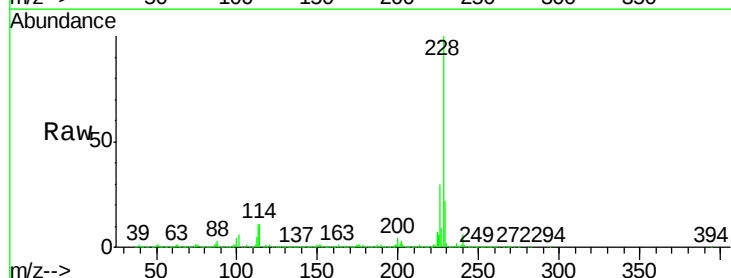
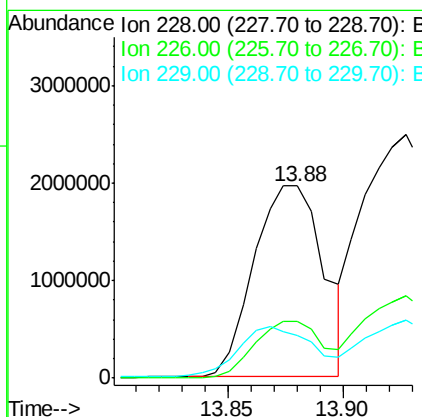
RT: 13.88 min Scan# 2005

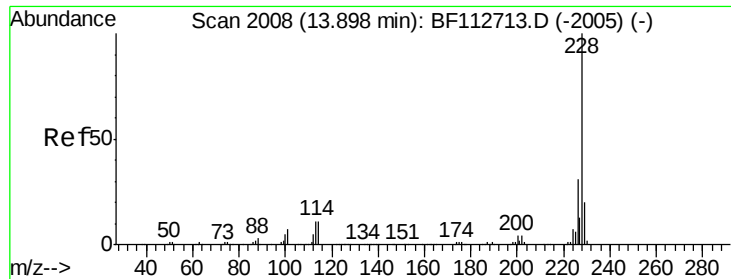
Delta R.T. 0.02 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Tgt Ion:	228	Resp:	4107201
Ion Ratio		Lower	Upper
228	100		
226	29.5	22.2	33.2
229	22.1	16.4	24.6





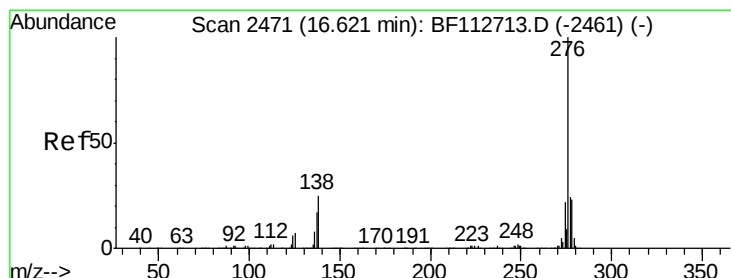
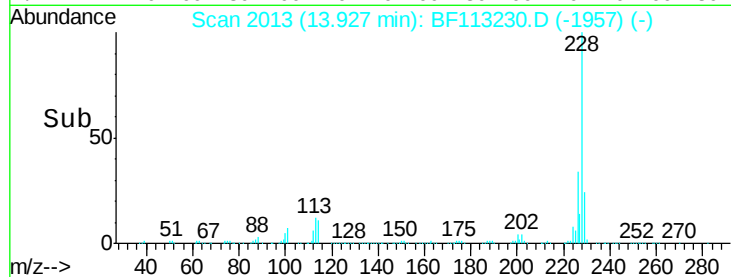
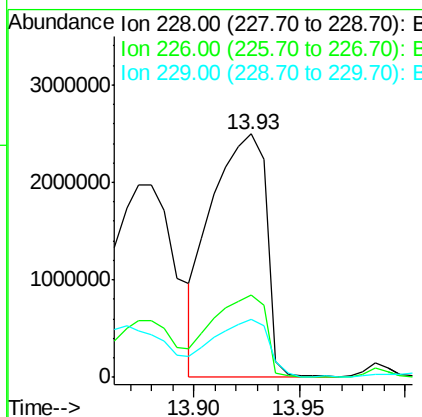
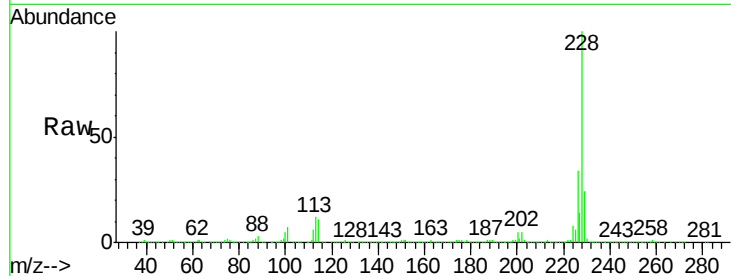
#83
Chrysene
Concen: 223.876 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.03 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

Tgt Ion:228 Resp: 4473417
Ion Ratio Lower Upper
228 100
226 33.7 25.3 37.9
229 23.7 16.6 25.0

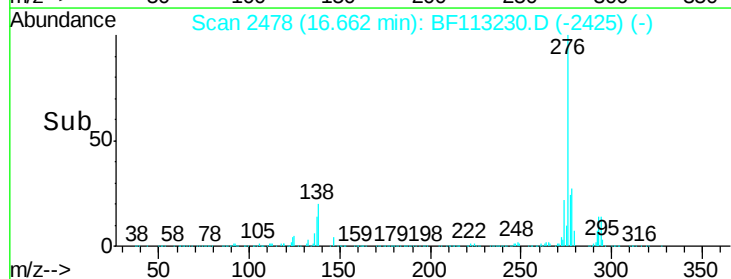
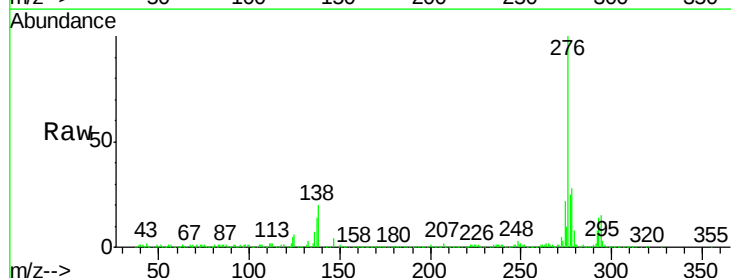
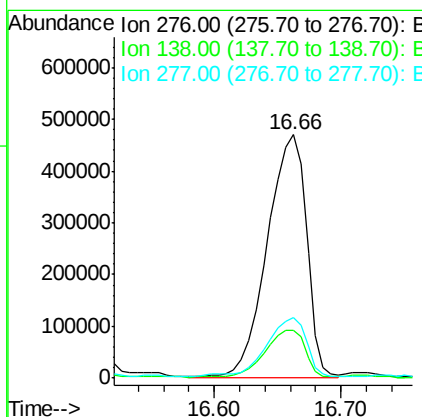
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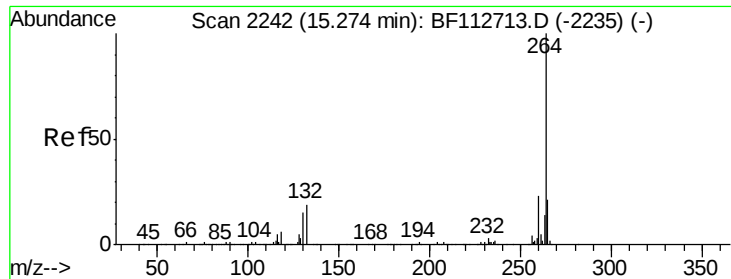
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 59.195 ng
RT: 16.66 min Scan# 2478
Delta R.T. 0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion:276 Resp: 1008379
Ion Ratio Lower Upper
276 100
138 19.8 19.0 28.6
277 24.8 20.1 30.1





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2244

Delta R.T. 0.01 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Instrument :

BNA_F

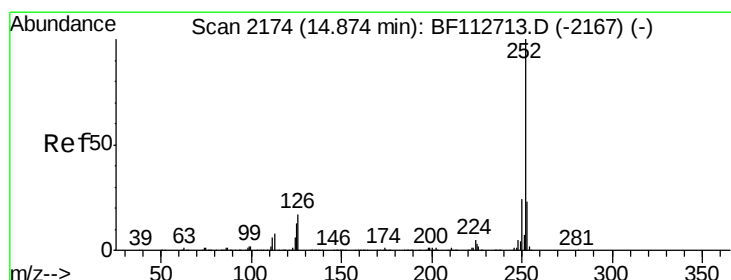
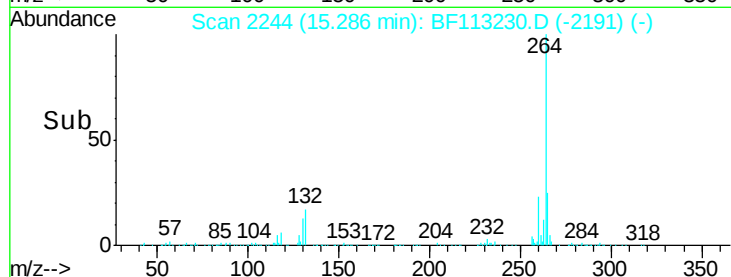
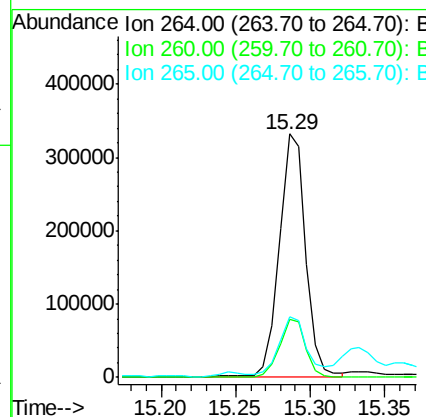
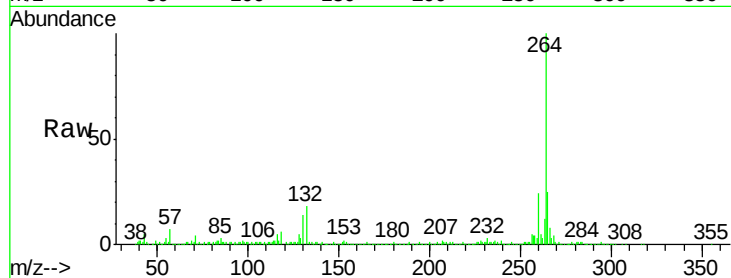
ClientSampleId :

PEDESTALS-1-11

Tgt Ion:	264	Resp:	409774
Ion Ratio		Lower	Upper
264	100		
260	23.9	19.0	28.4
265	25.1	17.1	25.7

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 146.620 ng m

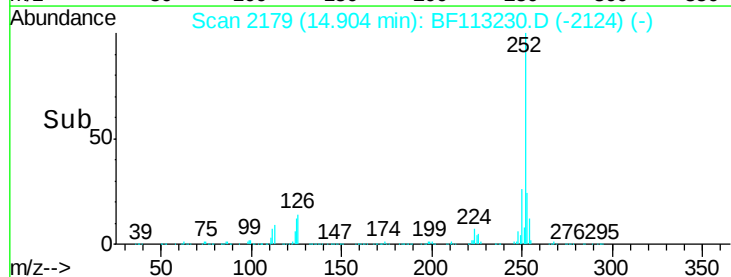
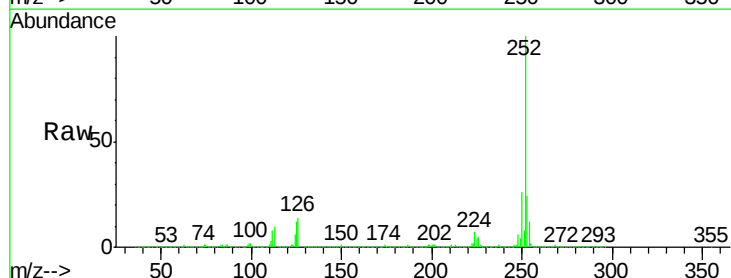
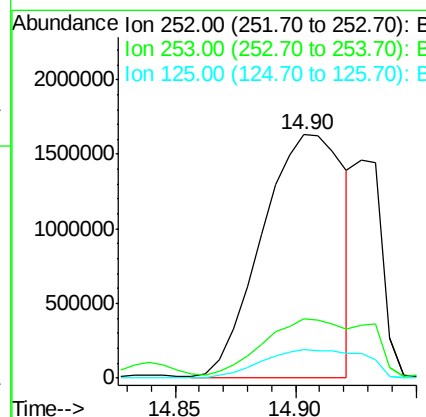
RT: 14.90 min Scan# 2179

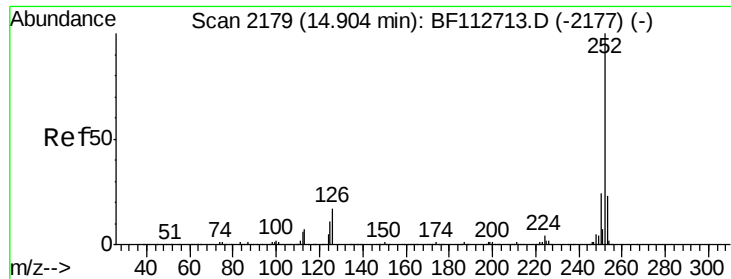
Delta R.T. 0.02 min

Lab File: BF113230.D

Acq: 22 Mar 2019 13:07

Tgt Ion:	252	Resp:	3886224
Ion Ratio		Lower	Upper
252	100		
253	24.1	18.1	27.1
125	11.8	8.2	12.2





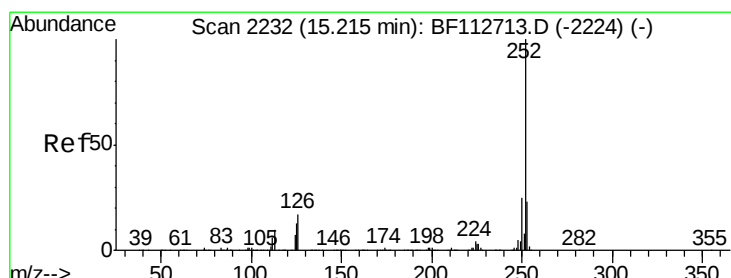
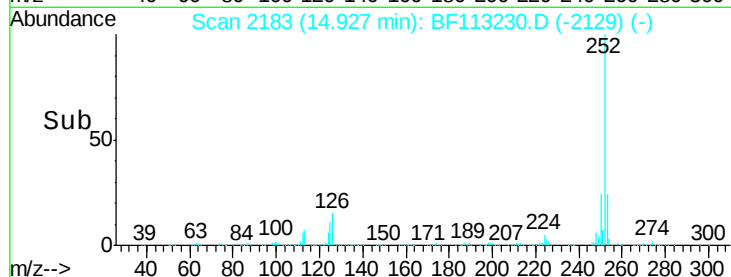
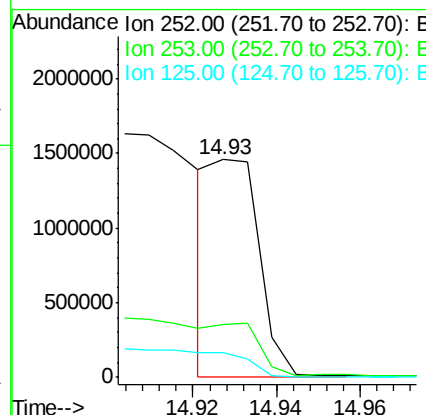
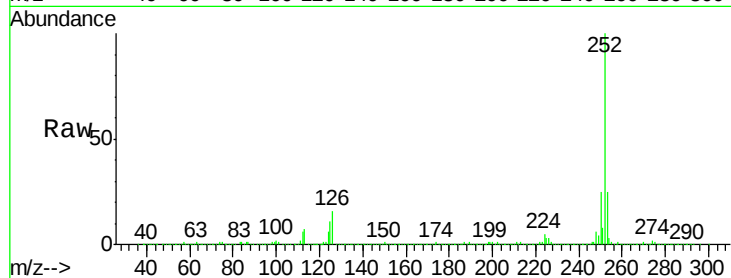
#89
Benzo(k)fluoranthene
Concen: 47.338 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.02 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

Tgt Ion:252 Resp: 1136510
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 11.1 7.9 11.9

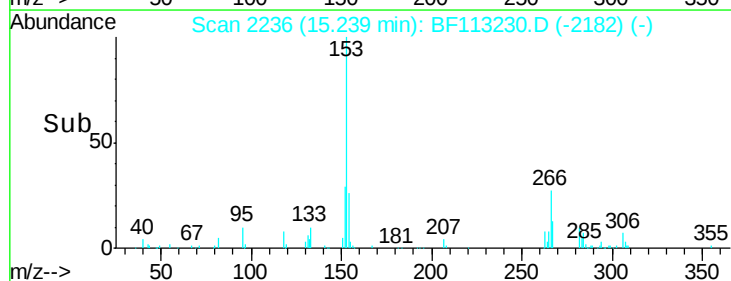
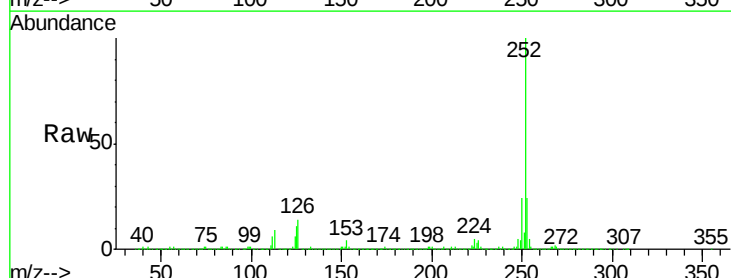
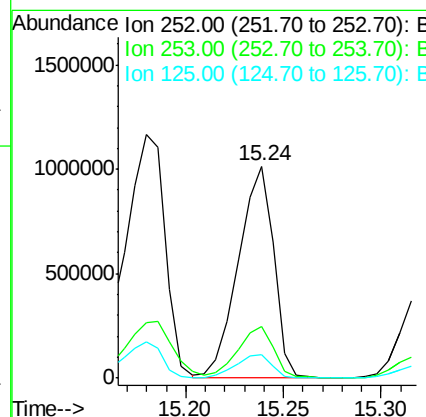
Manual Integrations
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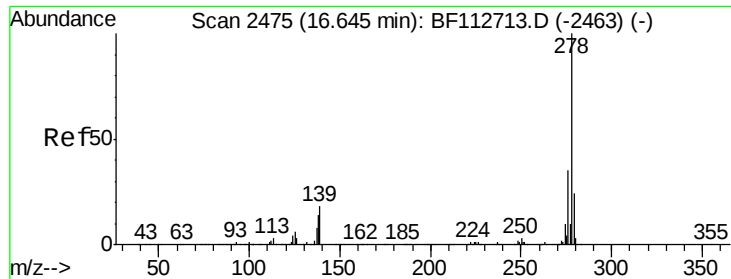
Sohil
3/25/2019 6:32:02 PM



#90
Benzo(a)pyrene
Concen: 53.840 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.02 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion:252 Resp: 1262242
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 10.8 9.2 13.8





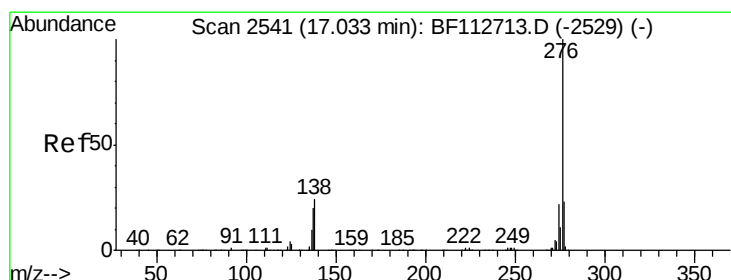
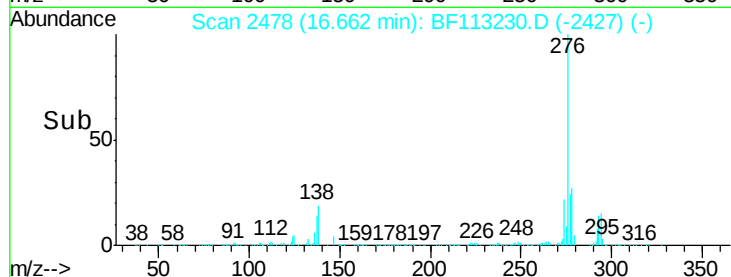
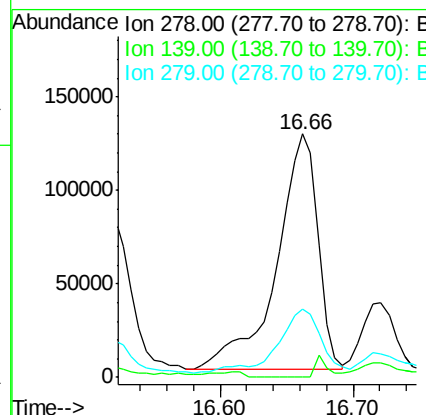
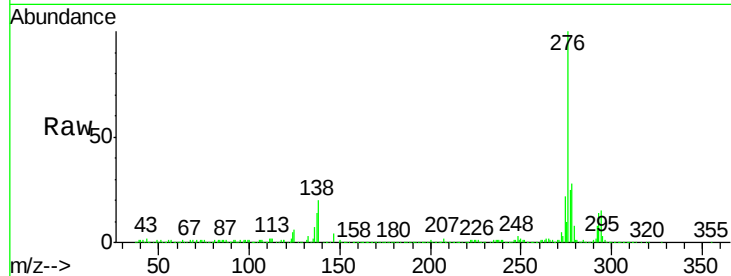
#91
Dibenzo(a,h)anthracene
Concen: 13.388 ng m
RT: 16.66 min Scan# 2478
Delta R.T. -0.00 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.8	17.6#
279	28.2	19.1	28.7

Manual Integrations
APPROVED

Sohil
3/25/2019 6:32:02 PM



#92
Benzo(g,h,i)perylene
Concen: 40.676 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.01 min
Lab File: BF113230.D
Acq: 22 Mar 2019 13:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.6
138	19.7	16.0	24.0

