

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
 Data File : BF113188.D
 Acq On : 21 Mar 2019 00:26
 Operator : JU/SJ
 Sample : K1989-05 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11

Manual Integrations
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 3/21/2019 6:36:25 PM

Quant Time: Mar 21 15:55:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 21 12:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	119979	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	492376	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	239764	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	358325	20.00	ng	0.02
76) Chrysene-d12	13.90	240	274892	20.00	ng	0.03
87) Perylene-d12	15.29	264	294325	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	145117	18.81	ng	0.00
7) Phenol-d6	6.36	99	177828	18.35	ng	-0.01
23) Nitrobenzene-d5	7.28	82	100509	12.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	49736	19.54	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	252504	13.16	ng	0.00
79) Terphenyl-d14	12.83	244	253297	17.86	ng	0.01
Target Compounds						
37) 2-Methylnaphthalene	8.72	142	62095	3.933	ng	97
38) 1-Methylnaphthalene	8.82	142	44648	2.920	ng	97
46) 1,1'-Biphenyl	9.18	154	86648	4.431	ng	96
49) Acenaphthylene	9.62	152	214277	8.266	ng	98
52) Acenaphthene	9.79	154	482483	31.826	ng	100
55) Dibenzofuran	9.96	168	1226155	55.649	ng	99
58) Fluorene	10.30	166	396656	25.364	ng	98
71) Phenanthrene	11.32	178	10799671	605.768	ng	96
72) Anthracene	11.34	178	942130	50.483	ng	100
73) Carbazole	11.48	167	1534016	84.263	ng	99
75) Fluoranthene	12.52	202	12644950	662.015	ng	96
78) Pyrene	12.74	202	10077021	434.840	ng	94
81) Benzo(a)anthracene	13.89	228	3793792	199.129	ng	96
83) Chrysene	13.94	228	4688928	251.257	ng	95
86) Indeno(1,2,3-cd)pyrene	16.66	276	723666	45.485	ng	96
88) Benzo(b)fluoranthene	14.92	252	3339445m	175.411	ng	
89) Benzo(k)fluoranthene	14.93	252	967649m	56.114	ng	
90) Benzo(a)pyrene	15.24	252	937515	55.675	ng	97
91) Dibenzo(a,h)anthracene	16.66	278	197468m	13.742	ng	
92) Benzo(g,h,i)perylene	17.07	276	505669	35.046	ng	100

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

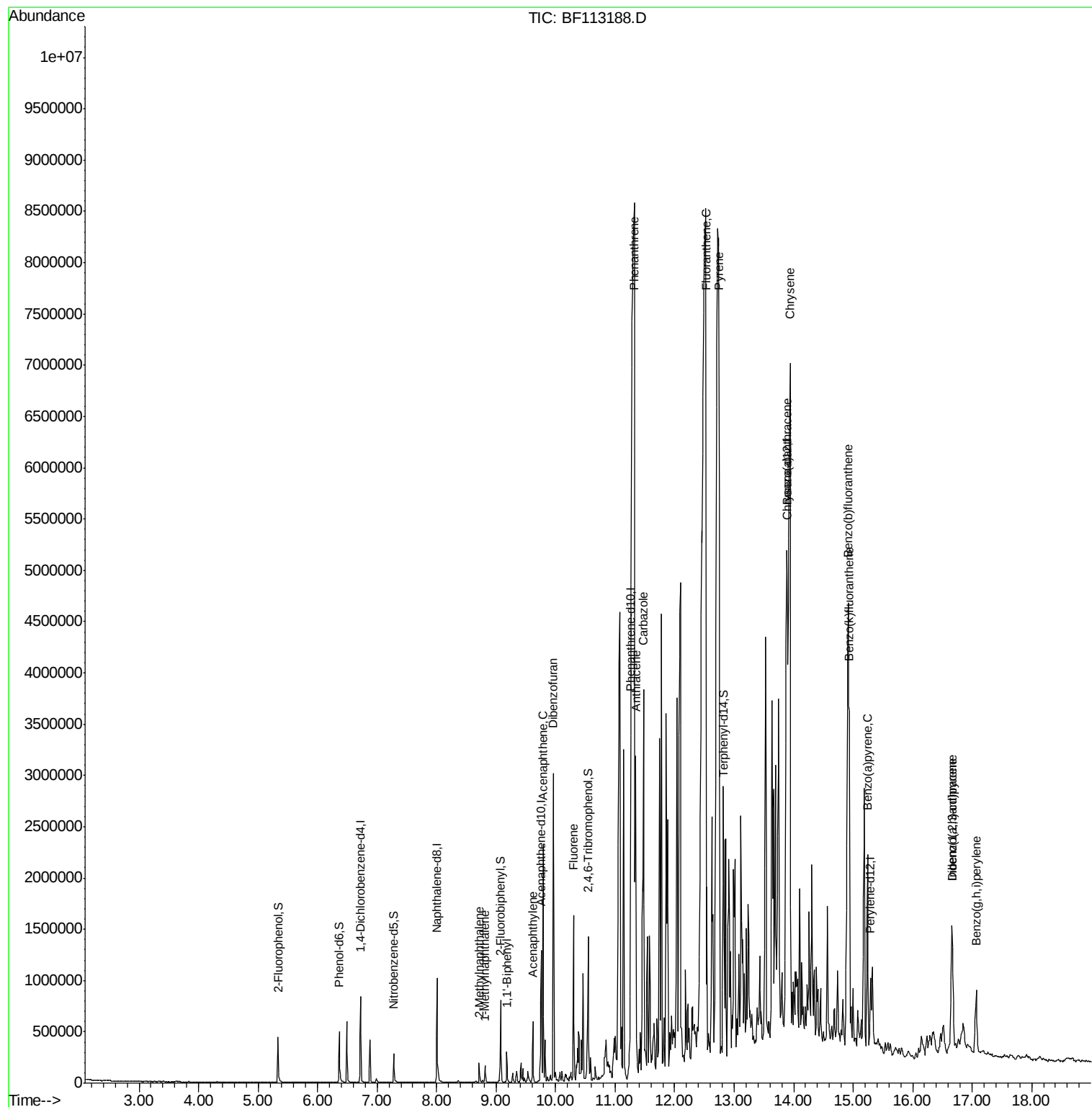
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032019\
Data File : BF113188.D
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Sample : K1989-05 5X
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ALS Vial : 25 Sample Multiplier: 1

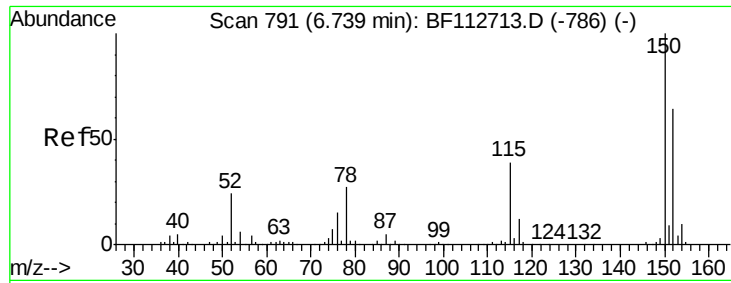
Instrument :
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PEDESTALS-1-11

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

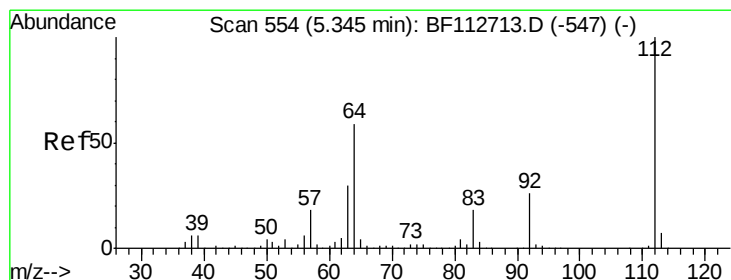
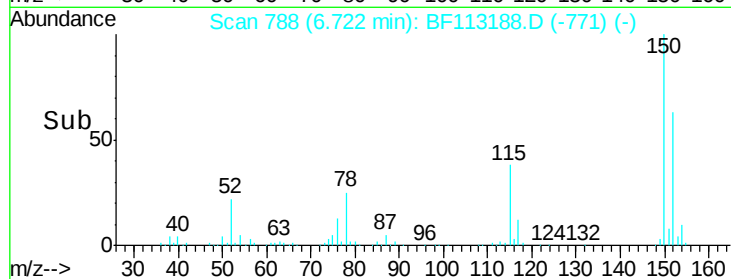
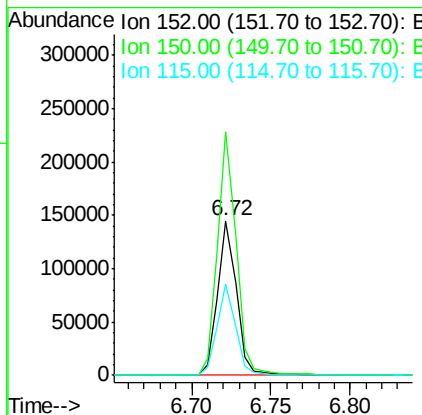
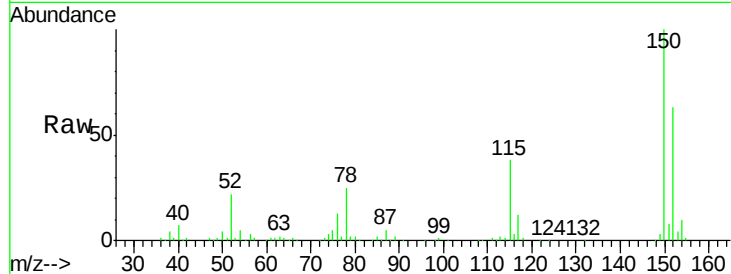
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.7	123.0	184.6
115	59.2	45.9	68.9

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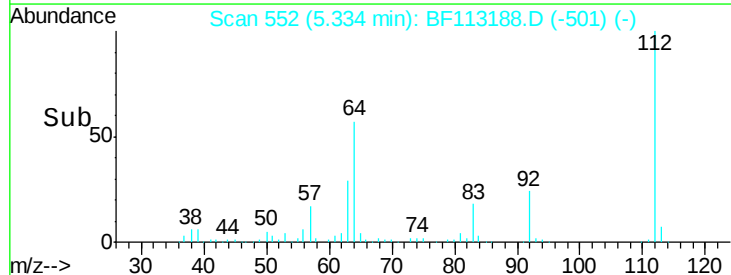
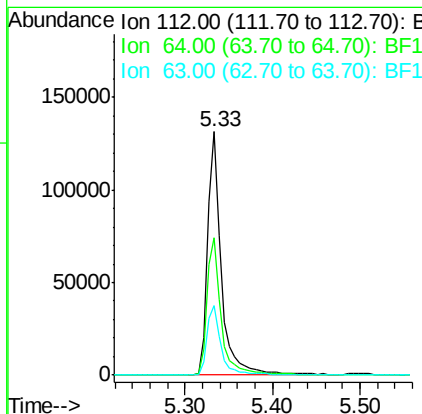
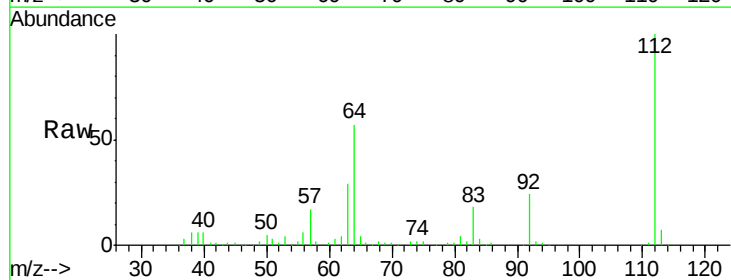
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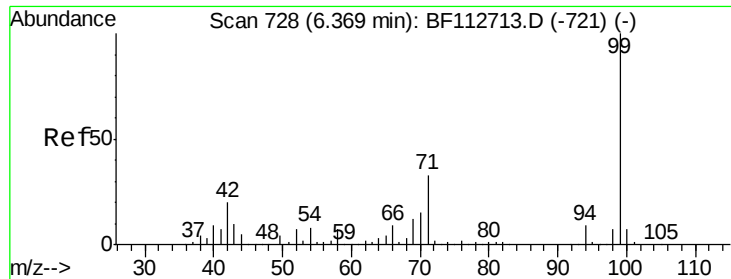


#5

2-Fluorophenol
Concen: 18.815 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	49.3	73.9
63	28.7	25.4	38.2





#7

Phenol-d6

Concen: 18.354 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113188.D

Acq: 21 Mar 2019 00:26

Instrument :

BNA_F

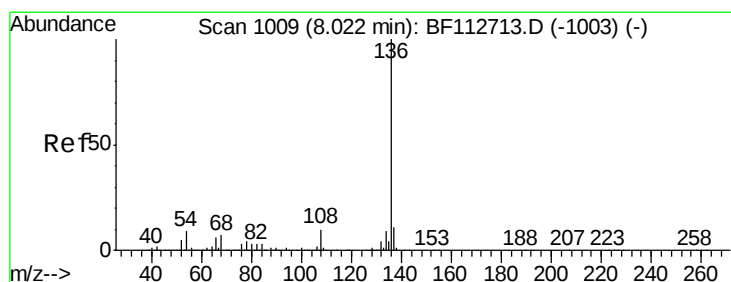
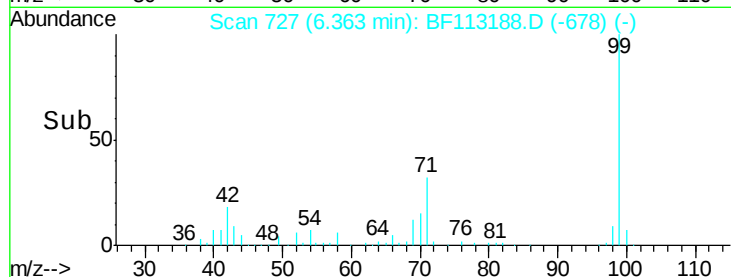
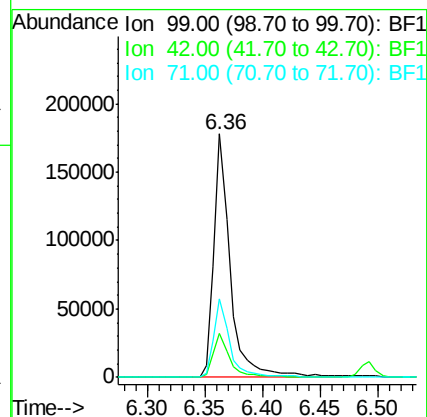
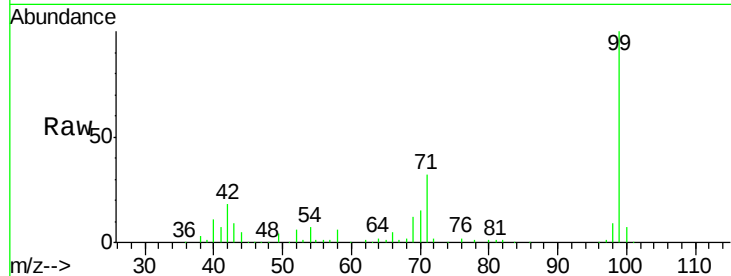
ClientSampleId :

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Tgt Ion:	99	Resp:	177828
Ion Ratio	Lower	Upper	
99	100		
42	18.2	15.2	22.8
71	32.3	25.7	38.5

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#21

Naphthalene-d8

Concen: 20.000 ng

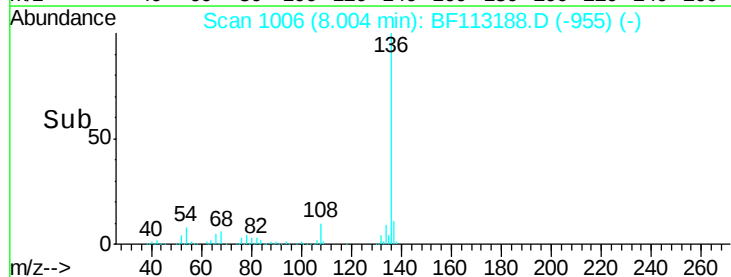
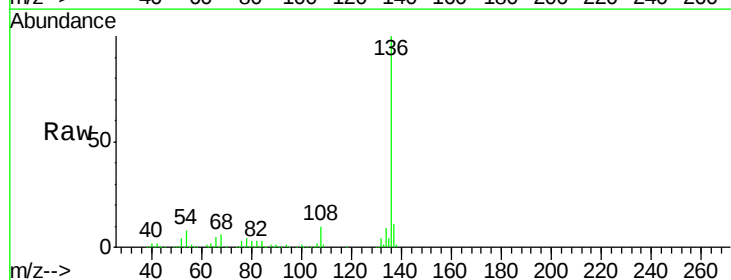
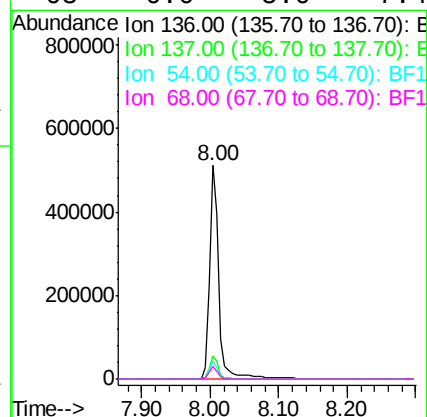
RT: 8.00 min Scan# 1006

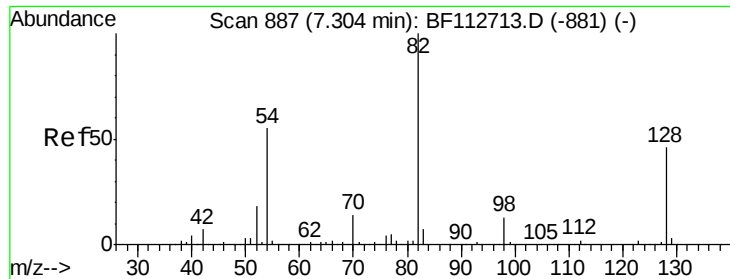
Delta R.T. -0.00 min

Lab File: BF113188.D

Acq: 21 Mar 2019 00:26

Tgt Ion:	136	Resp:	492376
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.1	7.0	10.6
68	6.0	5.0	7.4





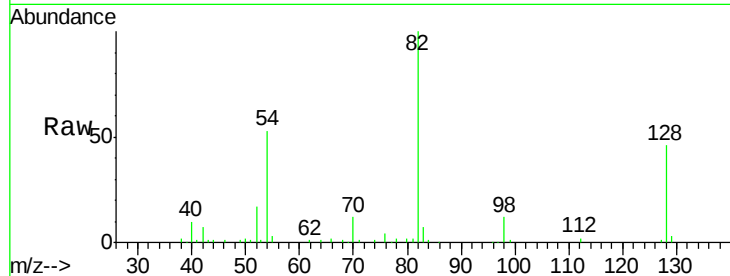
#23
Nitrobenzene-d5
Concen: 12.215 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

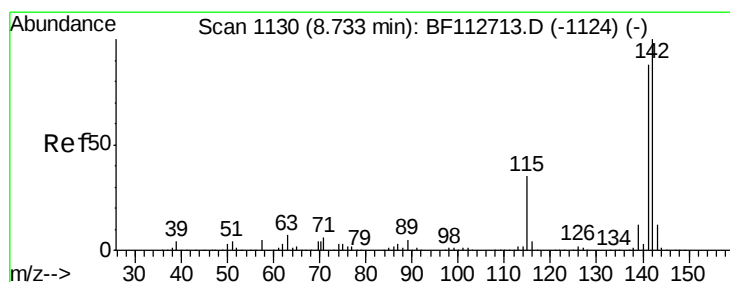
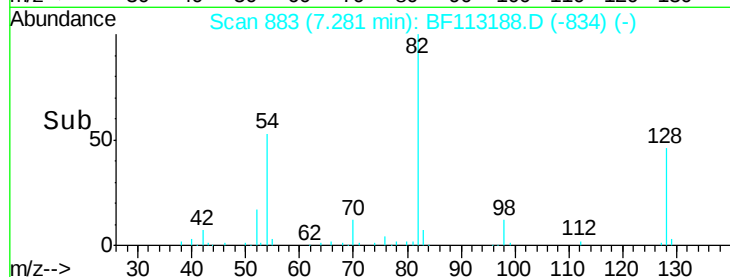
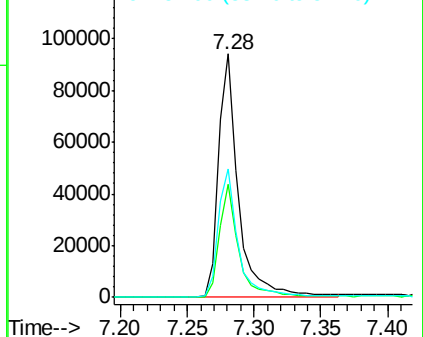
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.9	56.9
54	52.6	41.2	61.8

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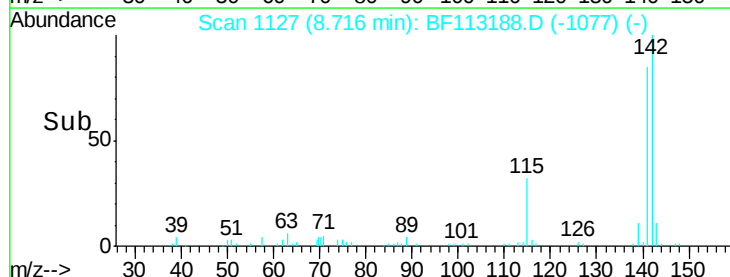
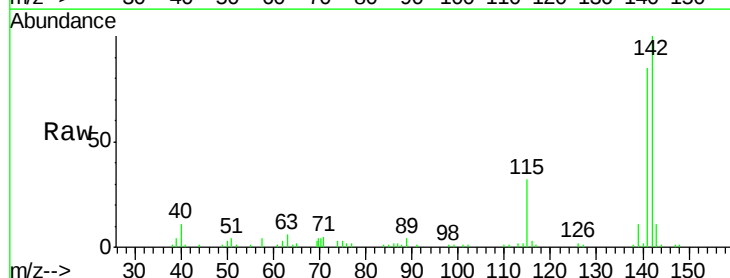
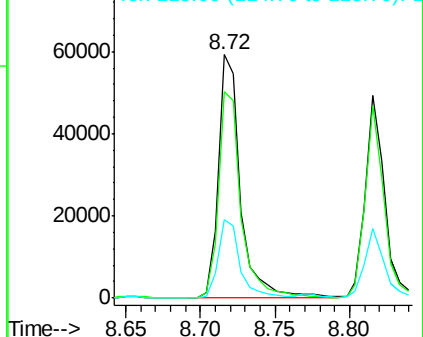
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF1

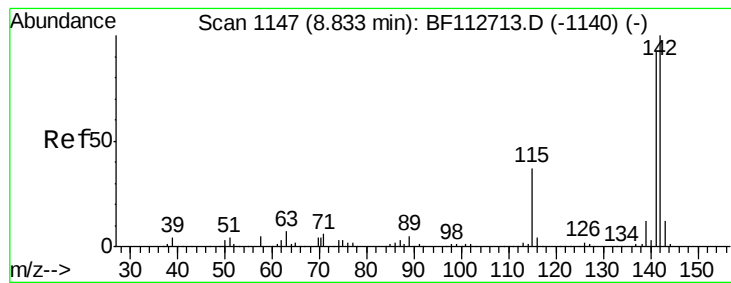


#37
2-Methylnaphthalene
Concen: 3.933 ng
RT: 8.72 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	70.5	105.7
115	32.3	26.3	39.5

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: 2.920 ng

RT: 8.82 min Scan# 1144

Delta R.T. -0.00 min

Lab File: BF113188.D

Acq: 21 Mar 2019 00:26

Instrument :

BNA_F

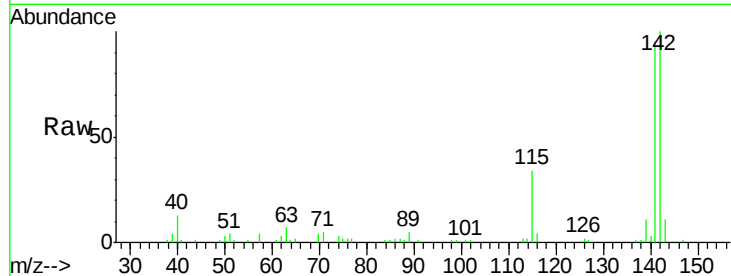
ClientSampleId :

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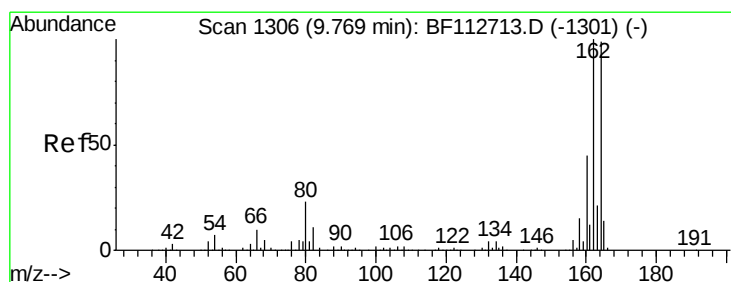
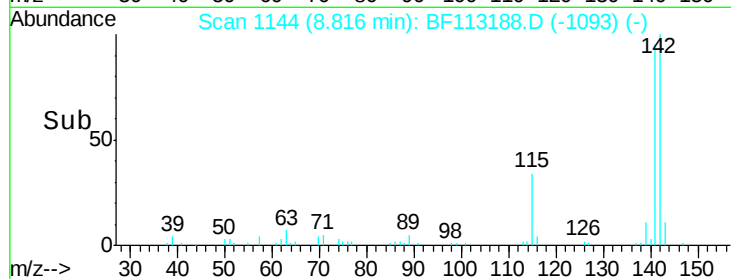
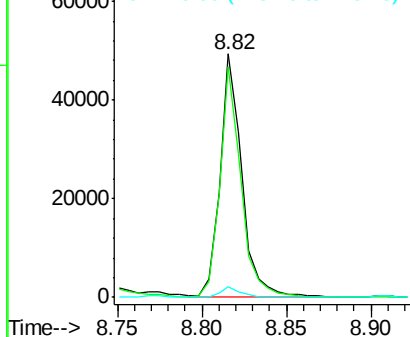
Tgt Ion:	142	Resp:	44648
Ion Ratio	Lower	Upper	
142	100		
141	94.6	73.5	110.3
116	4.3	3.0	4.6

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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

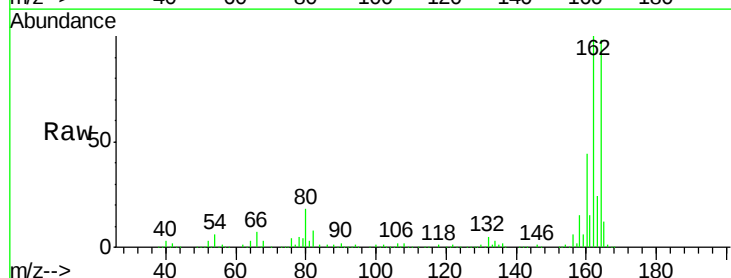
RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

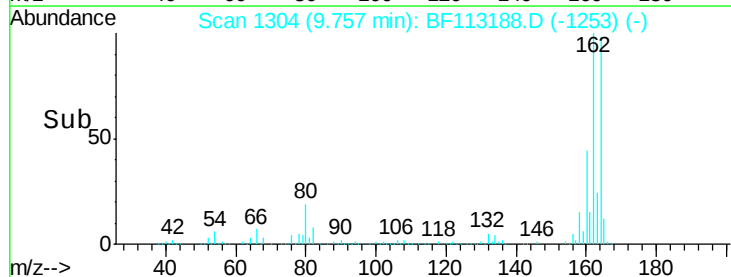
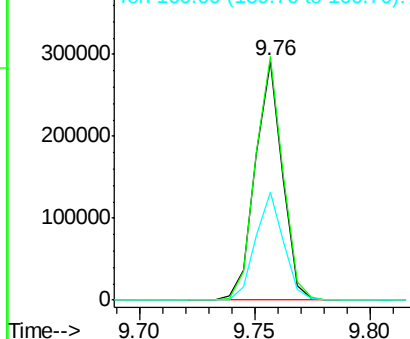
Lab File: BF113188.D

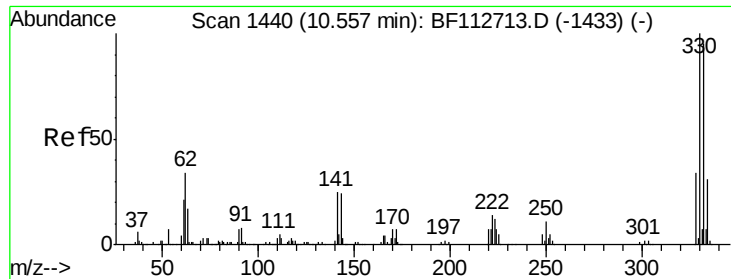
Acq: 21 Mar 2019 00:26

Tgt Ion:	164	Resp:	239764
Ion Ratio	Lower	Upper	
164	100		
162	102.1	80.8	121.2
160	45.3	36.2	54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 19.540 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BF113188.D

Acq: 21 Mar 2019 00:26

Instrument :

BNA_F

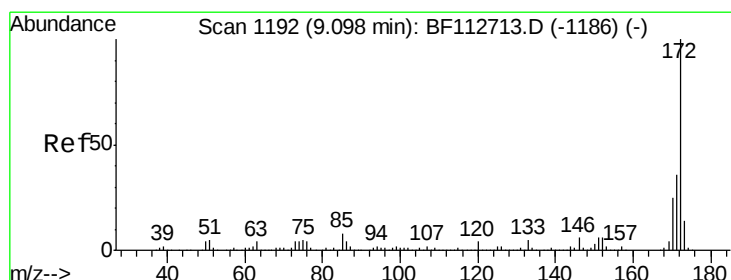
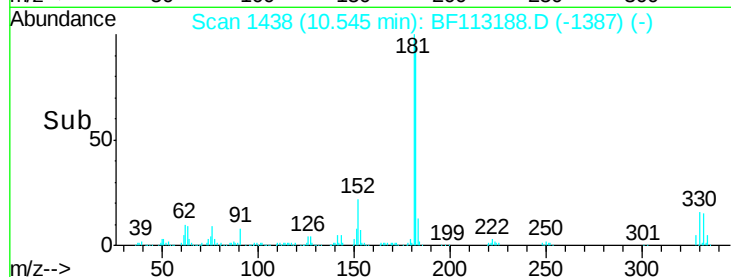
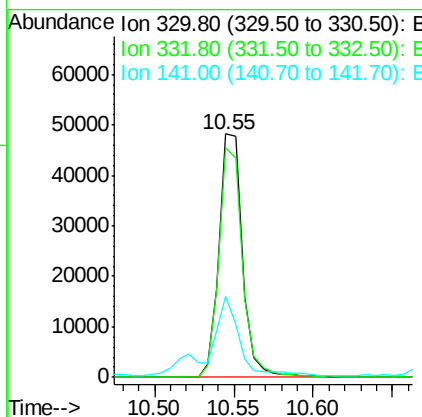
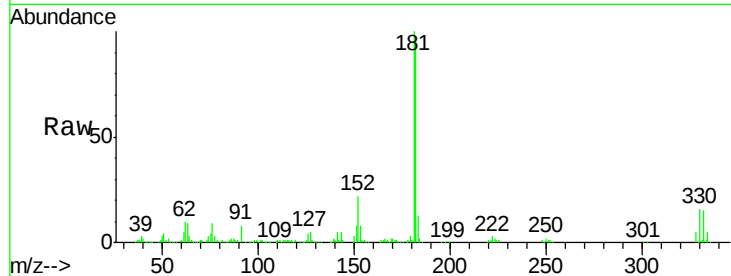
ClientSampleId :

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Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.3	114.5
141	41.3	22.3	33.5

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#45

2-Fluorobiphenyl

Concen: 13.162 ng

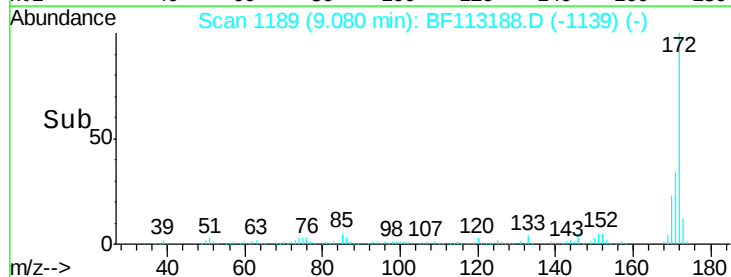
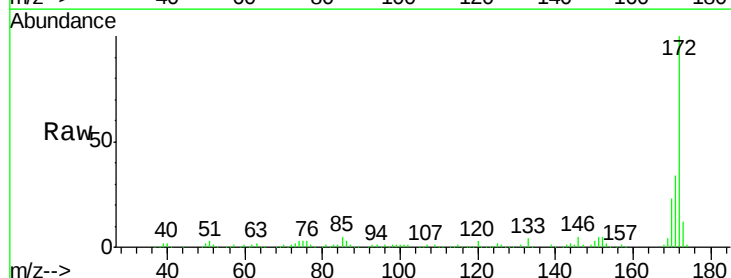
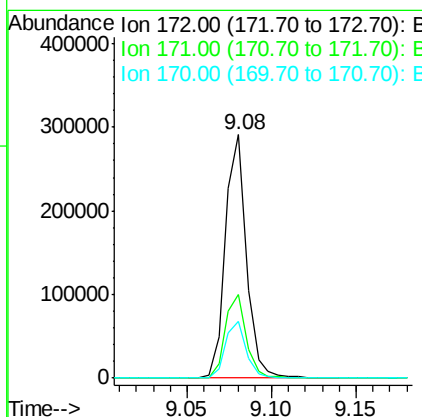
RT: 9.08 min Scan# 1189

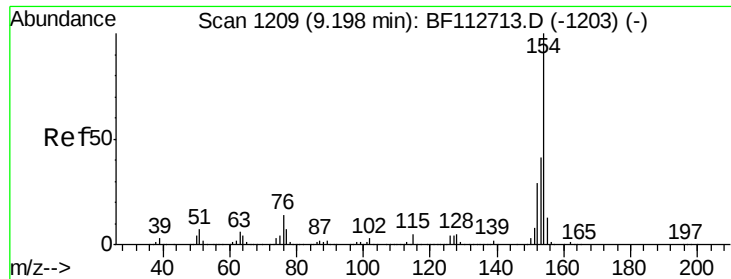
Delta R.T. -0.01 min

Lab File: BF113188.D

Acq: 21 Mar 2019 00:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.0	43.4
170	23.4	20.1	30.1





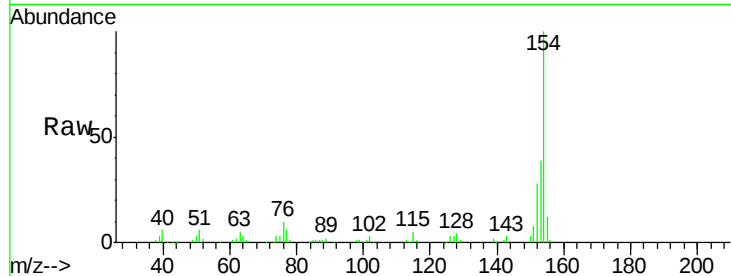
#46
1,1'-Biphenyl
Concen: 4.431 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.00 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Instrument :
BNA_F
ClientSampleId :
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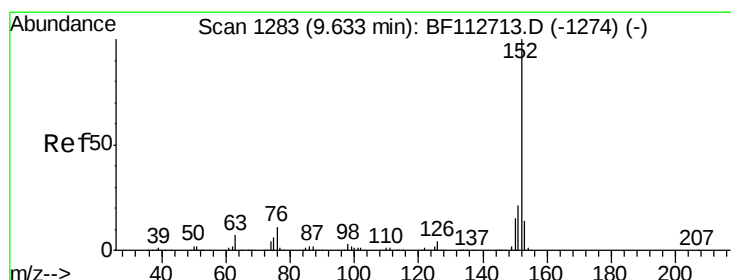
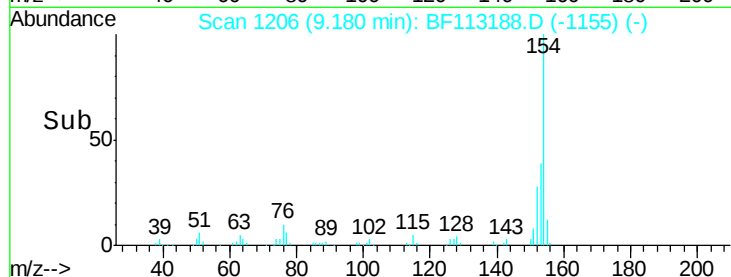
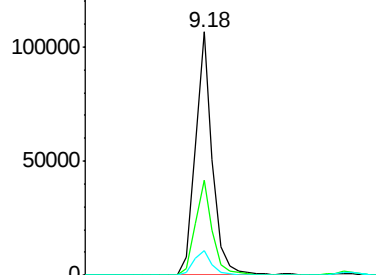
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	86648		
153	39.2	20.9	60.9	
76	10.2	0.0	33.5	

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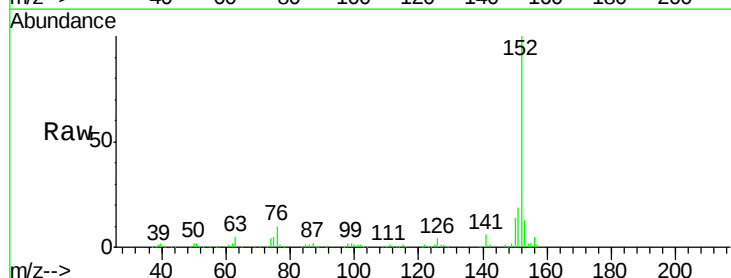


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

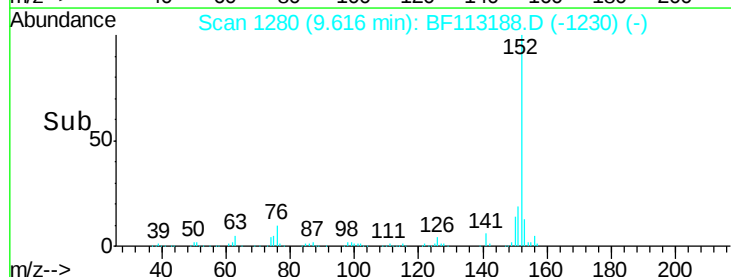
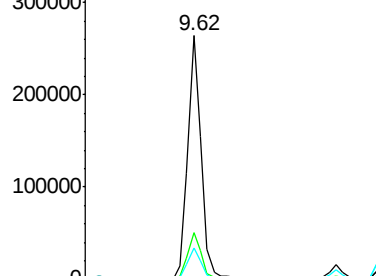


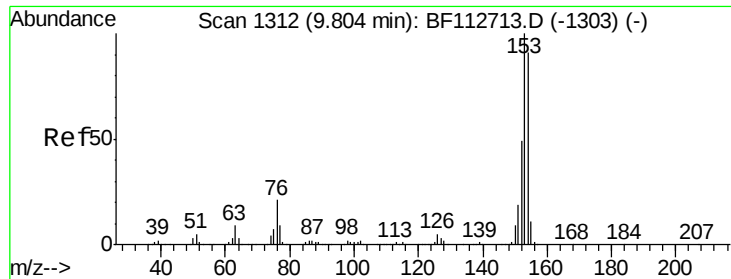
#49
Acenaphthylene
Concen: 8.266 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	214277		
151	19.4	16.5	24.7	
153	12.8	10.7	16.1	



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#52

Acenaphthene

Concen: 31.826 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BF113188.D

Acq: 21 Mar 2019 00:26

Instrument :

BNA_F

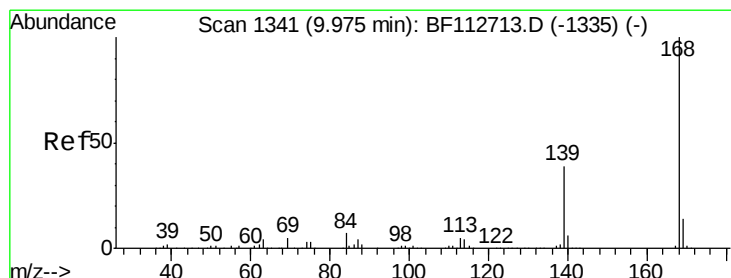
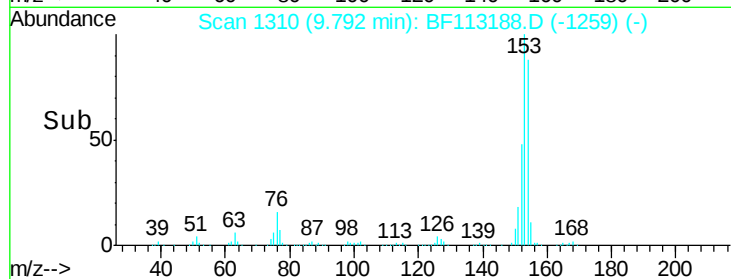
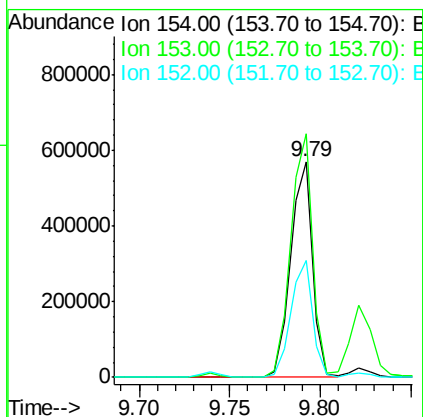
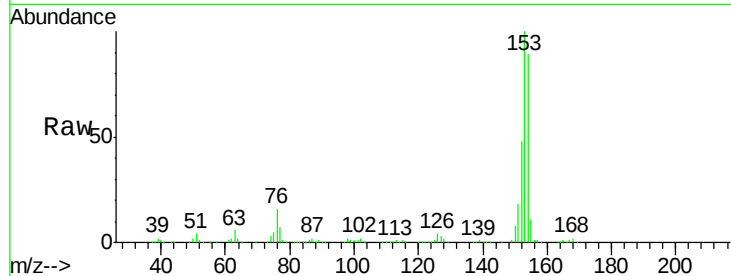
ClientSampleId :

PEDESTALS-1-11

Tgt Ion:	154	Resp:	482483
Ion Ratio	Lower	Upper	
154	100		
153	113.0	89.9	134.9
152	54.2	43.4	65.2

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#55

Dibenzofuran

Concen: 55.649 ng

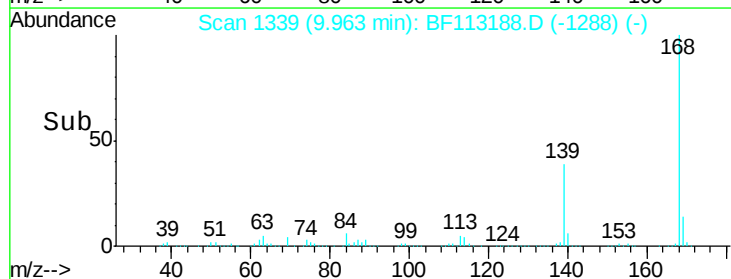
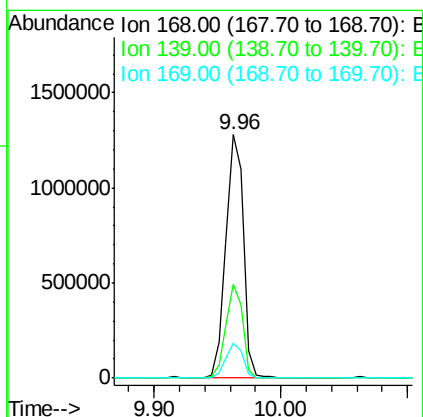
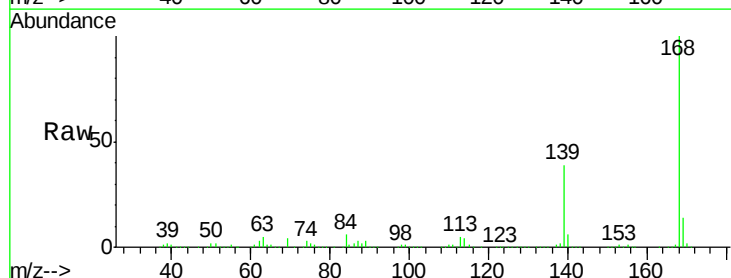
RT: 9.96 min Scan# 1339

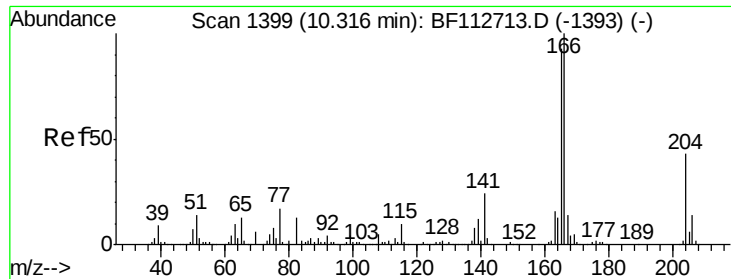
Delta R.T. -0.00 min

Lab File: BF113188.D

Acq: 21 Mar 2019 00:26

Tgt Ion:	168	Resp:	1226155
Ion Ratio	Lower	Upper	
168	100		
139	38.8	30.7	46.1
169	14.3	11.0	16.6





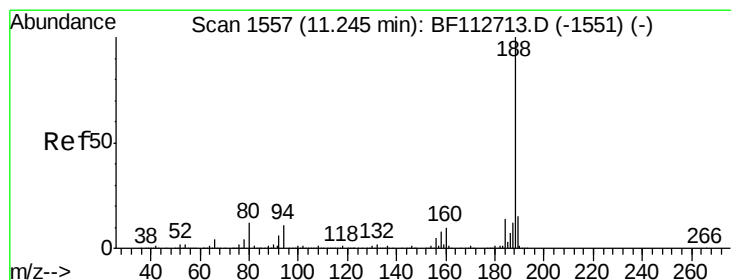
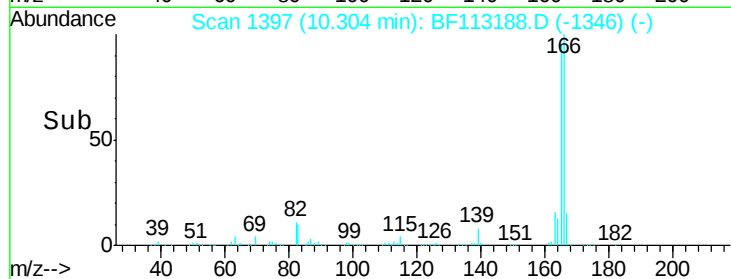
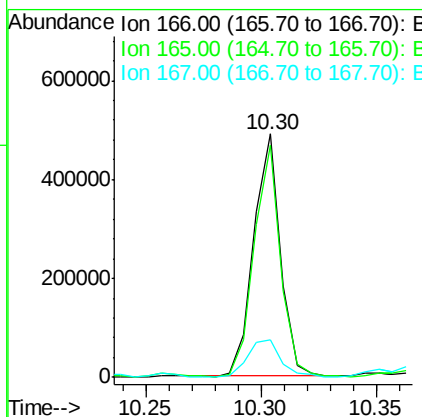
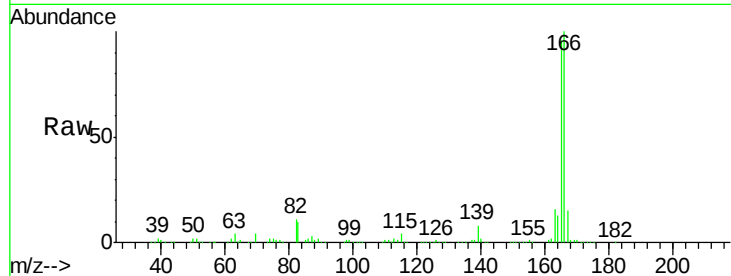
#58
Fluorene
 Concen: 25.364 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF113188.D
 Acq: 21 Mar 2019 00:26

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	396656		
165	95.6	75.4	113.2	
167	15.4	11.0	16.6	

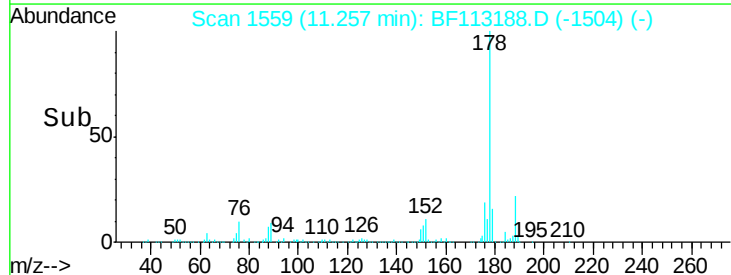
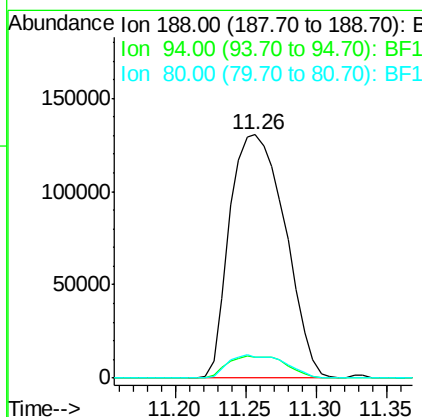
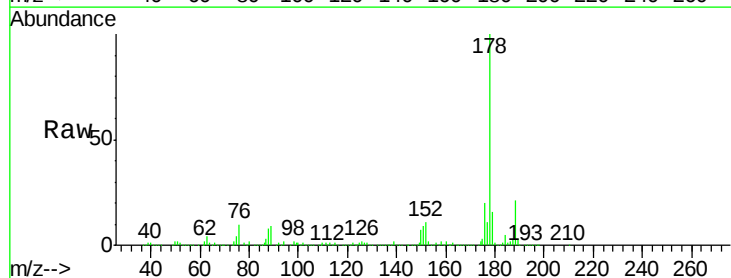
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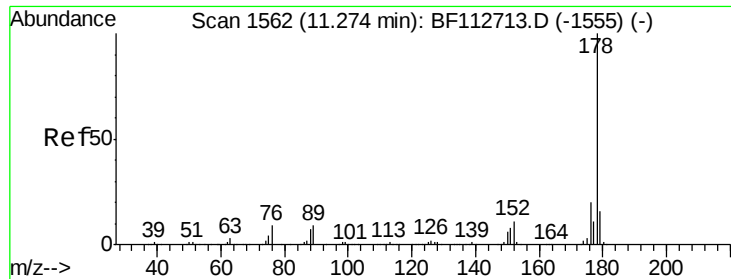
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. 0.02 min
 Lab File: BF113188.D
 Acq: 21 Mar 2019 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	358325		
94	8.6	7.4	11.2	
80	8.7	7.9	11.9	





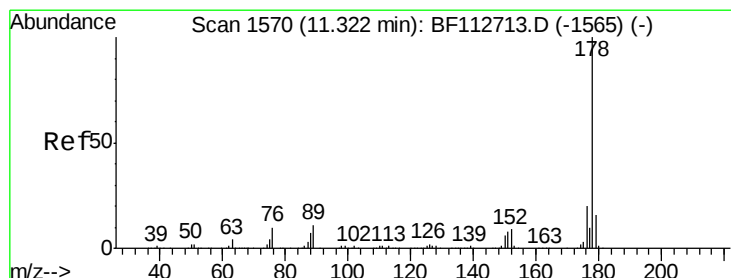
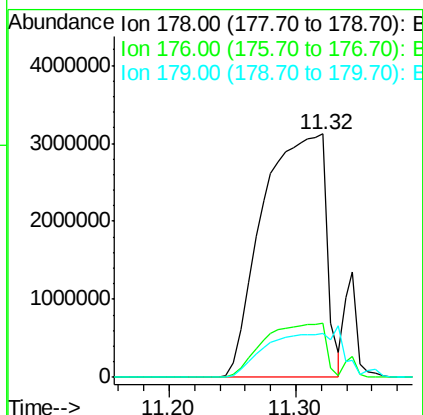
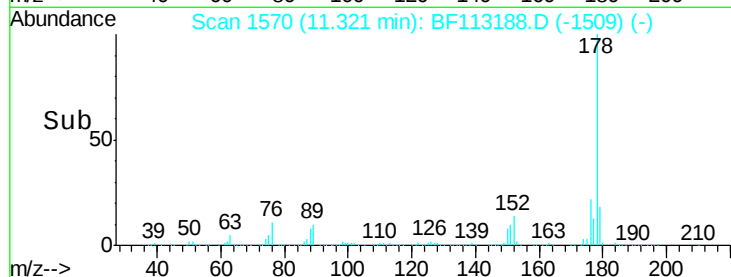
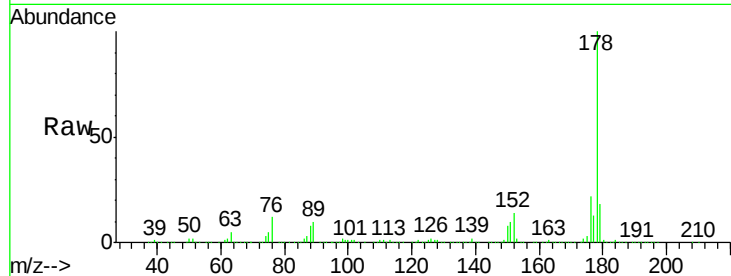
#71
Phenanthrene
Concen: 605.768 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.06 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

Tgt Ion:178 Resp:10799671
Ion Ratio Lower Upper
178 100
176 22.3 16.2 24.4
179 17.8 13.0 19.4

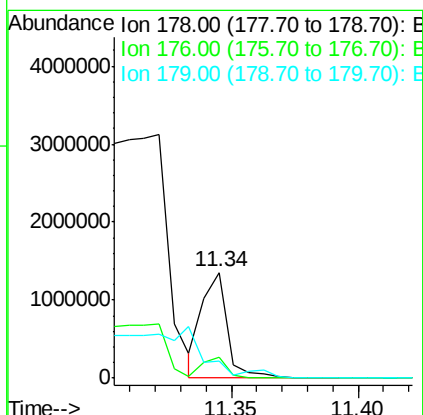
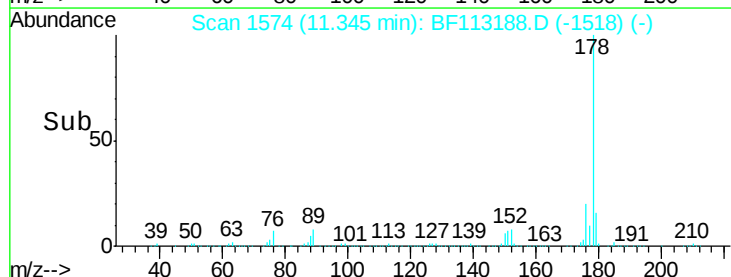
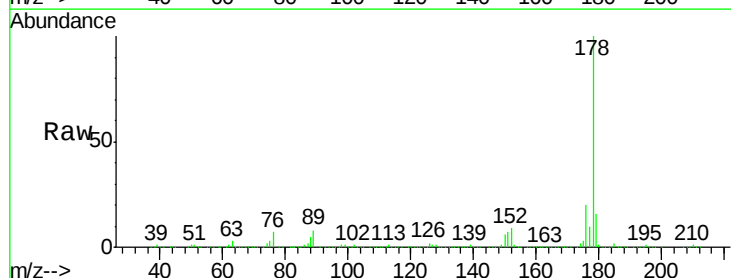
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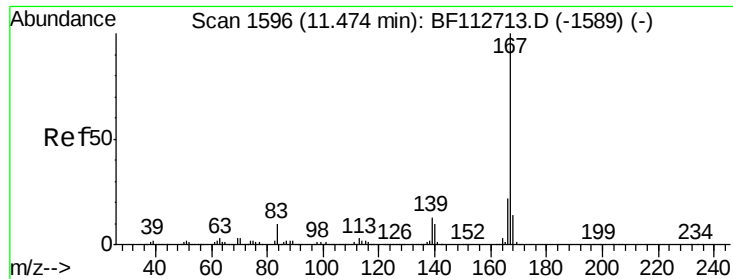
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#72
Anthracene
Concen: 50.483 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.03 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Tgt Ion:178 Resp: 942130
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.9 12.4 18.6





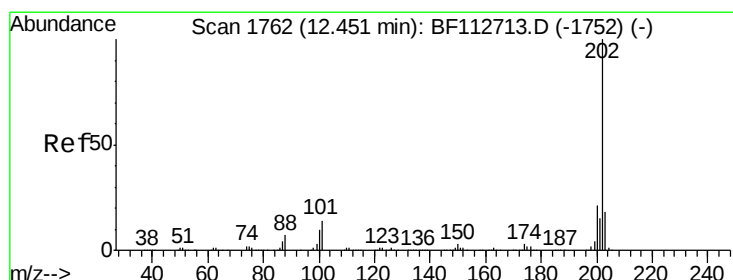
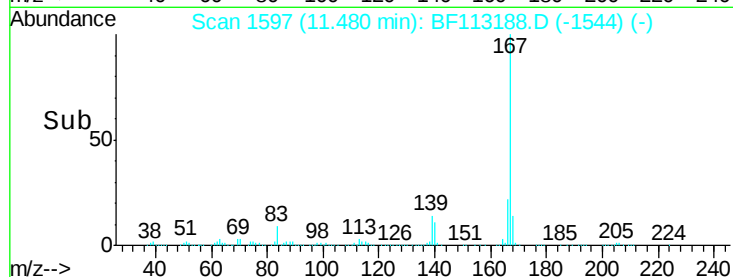
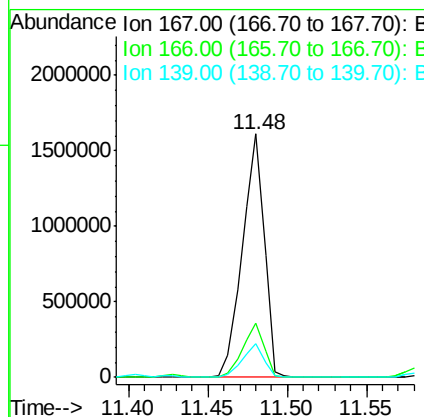
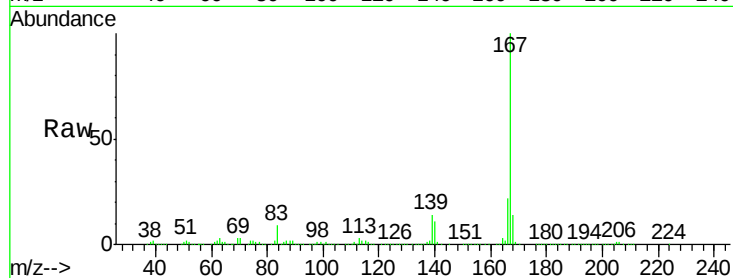
#73
 Carbazole
 Concen: 84.263 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF113188.D
 Acq: 21 Mar 2019 00:26

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11

Tgt Ion:167 Resp: 1534016
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.8 26.6
 139 13.8 10.6 16.0

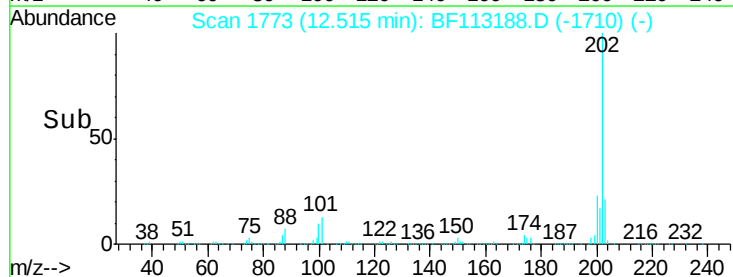
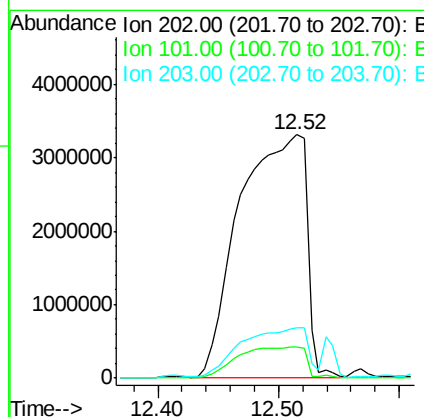
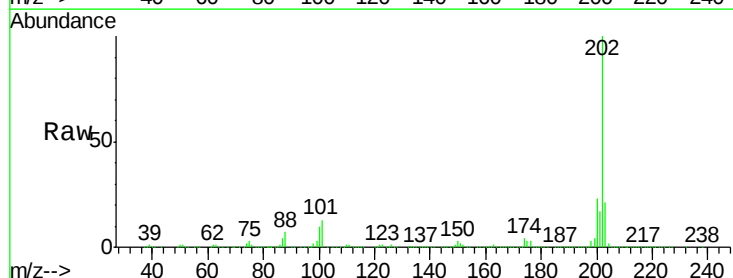
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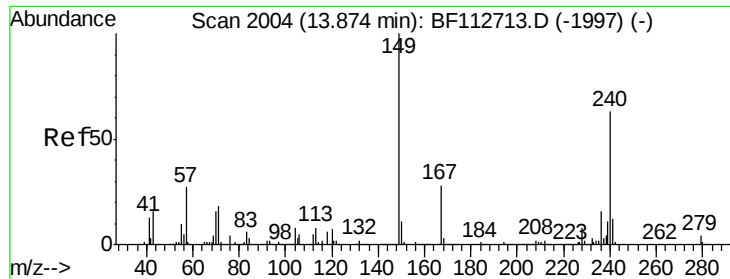
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#75
 Fluoranthene
 Concen: 662.015 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.07 min
 Lab File: BF113188.D
 Acq: 21 Mar 2019 00:26

Tgt Ion:202 Resp:12644950
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 31.9
 203 20.5 0.0 38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.03 min

Lab File: BF113188.D

Acq: 21 Mar 2019 00:26

Instrument :

BNA_F

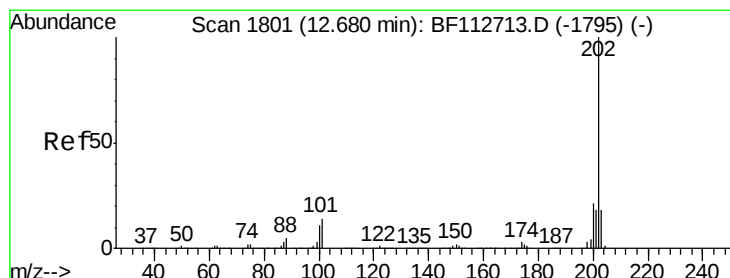
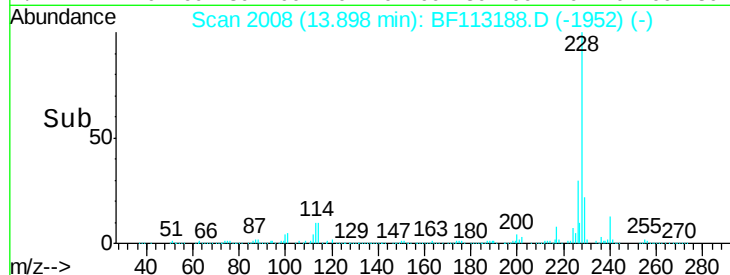
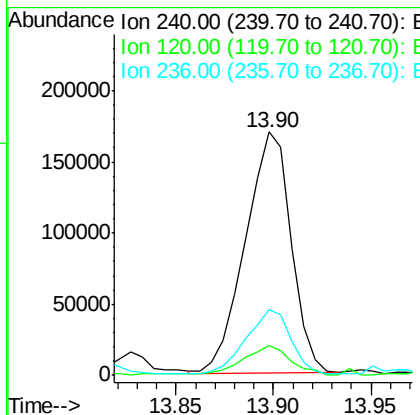
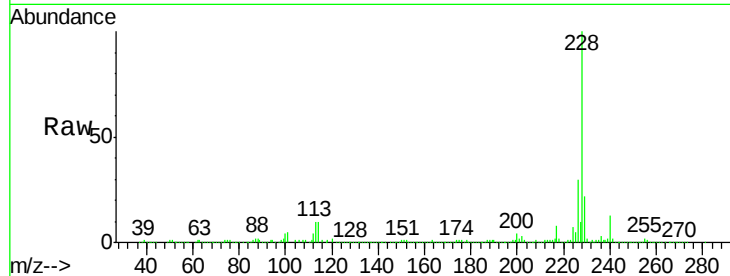
ClientSampleId :

PEDESTALS-1-11

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	274892		
120	12.1	8.6	12.8	
236	26.9	21.2	31.8	

Manual Integrations
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#78

Pyrene

Concen: 434.840 ng

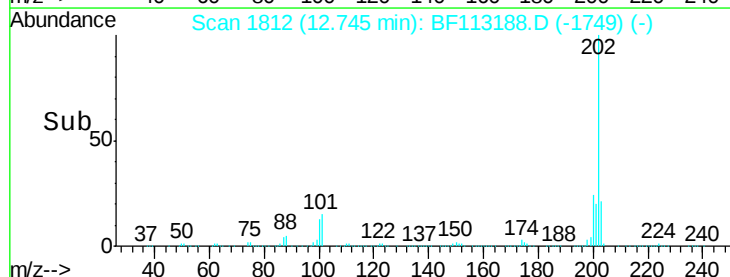
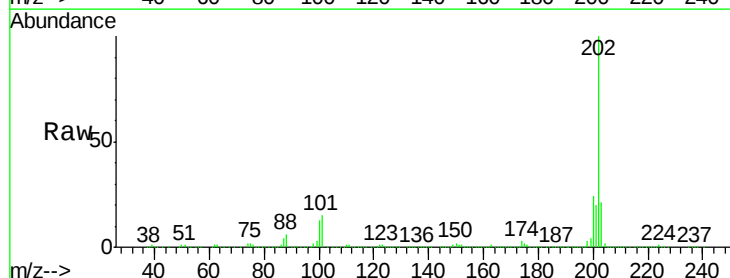
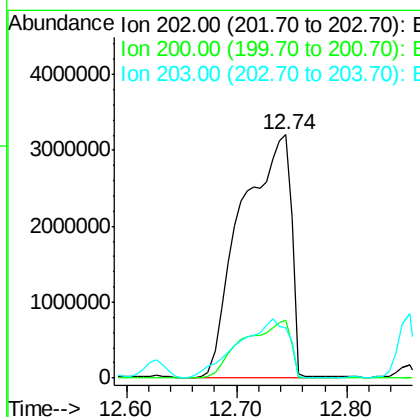
RT: 12.74 min Scan# 1812

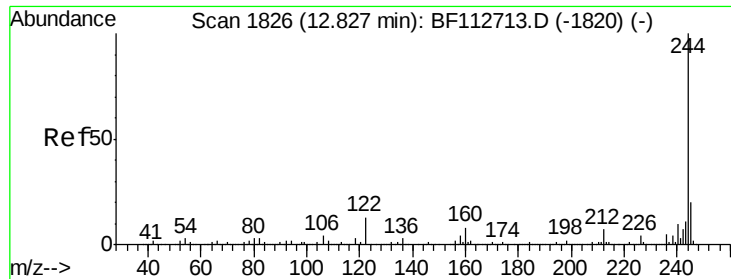
Delta R.T. 0.07 min

Lab File: BF113188.D

Acq: 21 Mar 2019 00:26

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	10077021		
200	23.9	17.1	25.7	
203	20.8	14.6	21.8	





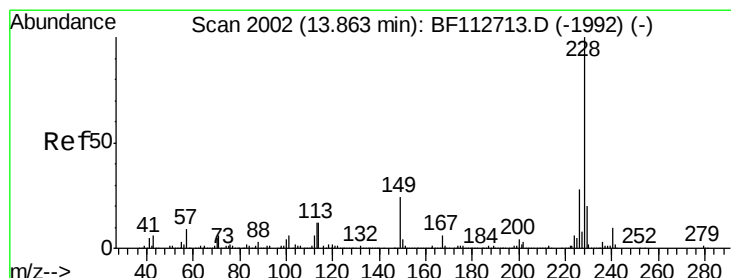
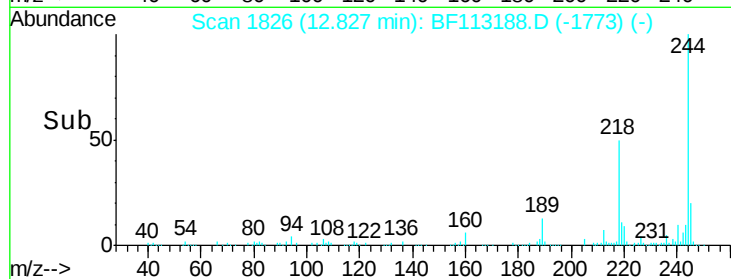
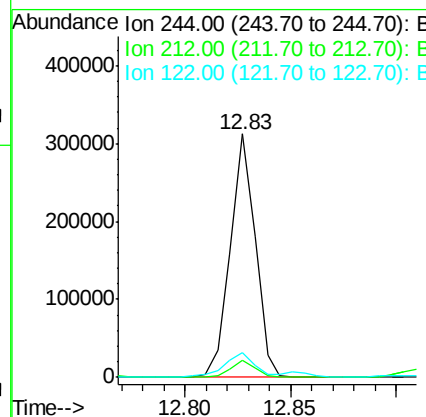
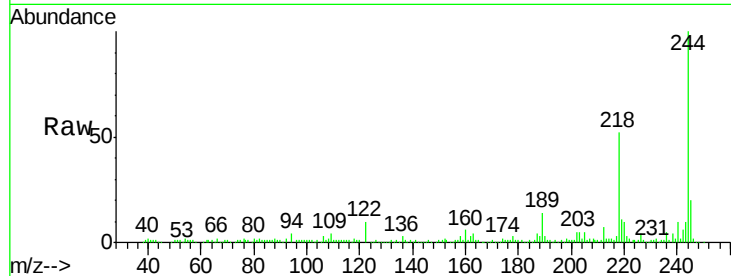
#79
 Terphenyl-d14
 Concen: 17.862 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: BF113188.D
 Acq: 21 Mar 2019 00:26

Instrument :
 BNA_F
 ClientSampleId :
 PEDESTALS-1-11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.1	9.4	14.2

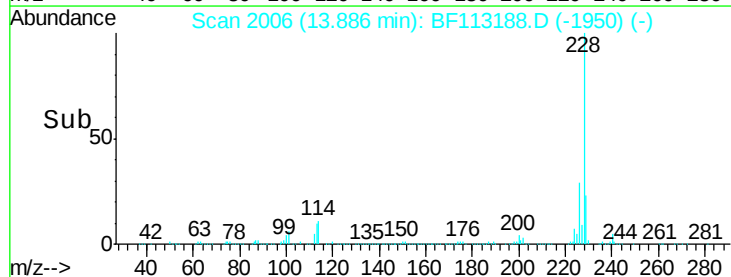
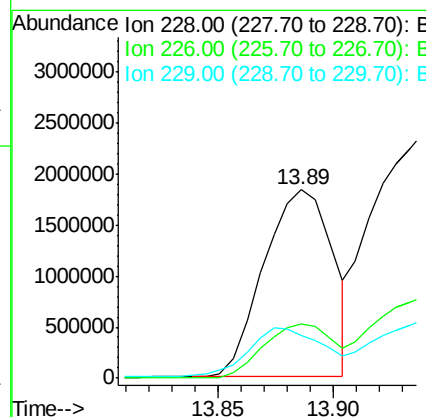
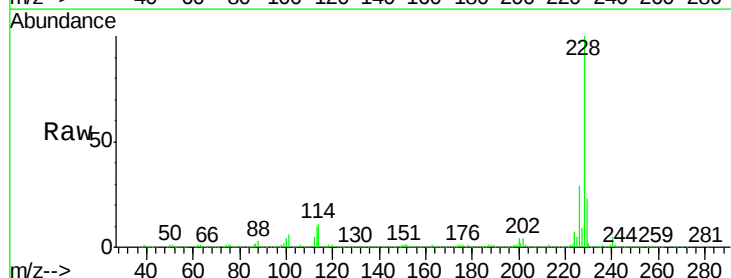
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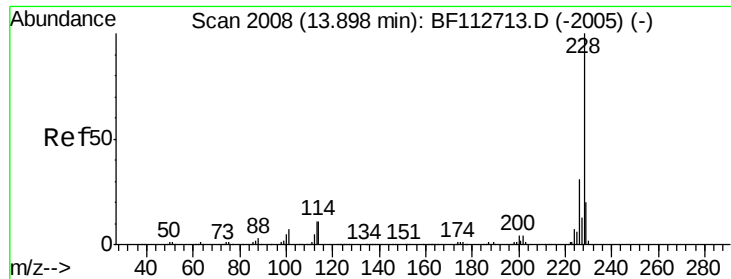
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#81
 Benzo(a)anthracene
 Concen: 199.129 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.03 min
 Lab File: BF113188.D
 Acq: 21 Mar 2019 00:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.0	33.0
229	22.7	16.0	24.0





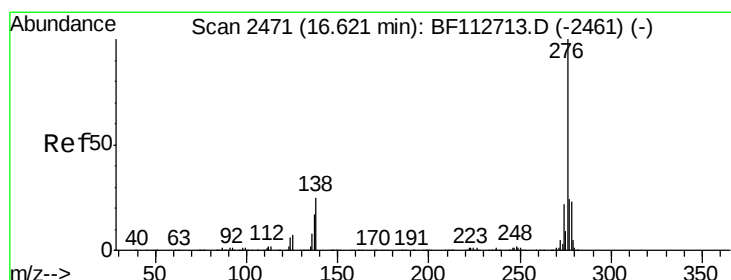
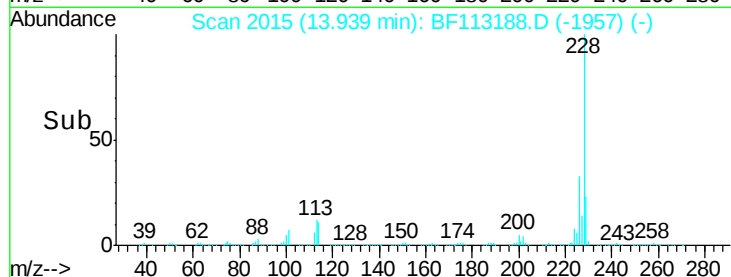
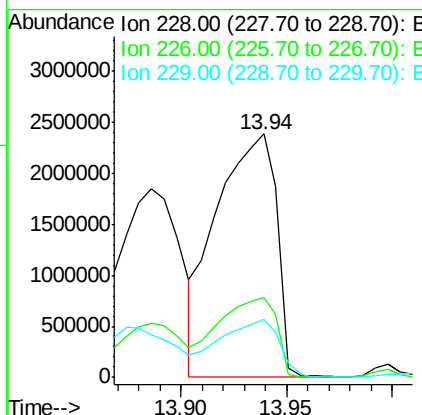
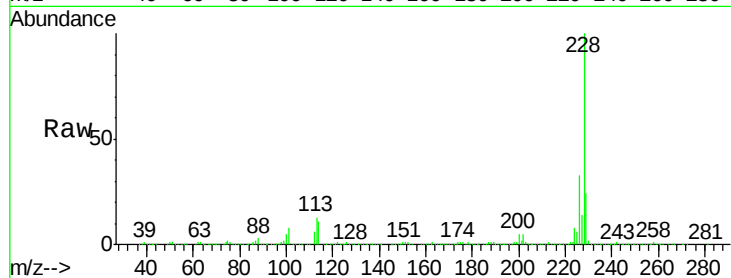
#83
Chrysene
Concen: 251.257 ng
RT: 13.94 min Scan# 2015
Delta R.T. 0.04 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

Tgt Ion:228 Resp: 4688928
Ion Ratio Lower Upper
228 100
226 32.9 24.6 36.8
229 23.6 16.2 24.2

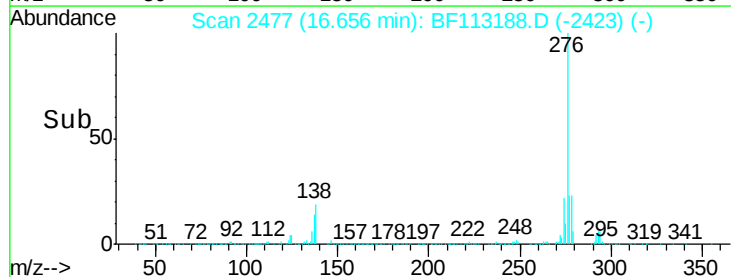
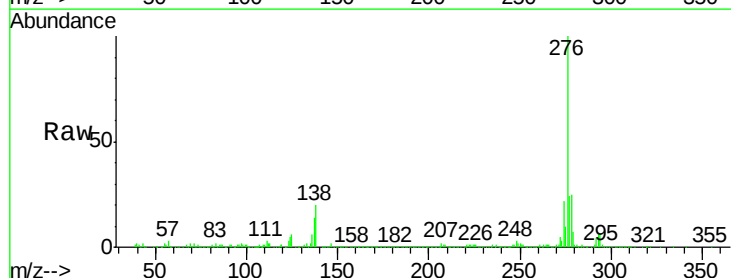
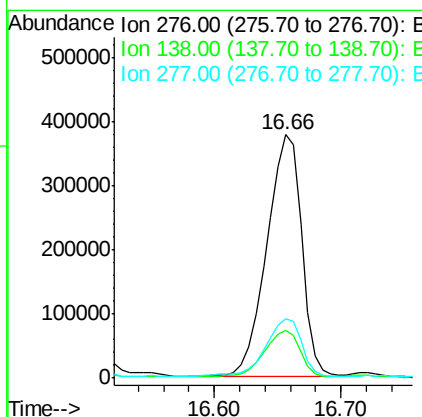
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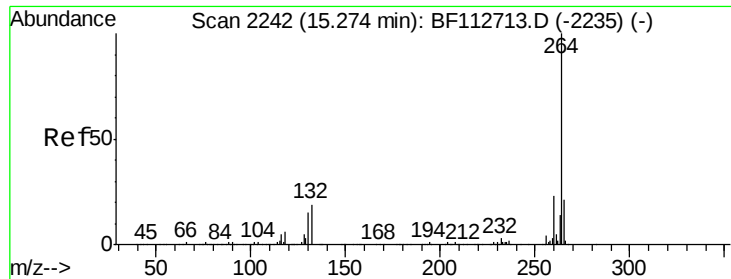
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#86
Indeno(1,2,3-cd)pyrene
Concen: 45.485 ng
RT: 16.66 min Scan# 2477
Delta R.T. 0.02 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Tgt Ion:276 Resp: 723666
Ion Ratio Lower Upper
276 100
138 19.8 18.6 28.0
277 25.1 20.2 30.2





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. 0.02 min

Lab File: BF113188.D

Acq: 21 Mar 2019 00:26

Instrument :

BNA_F

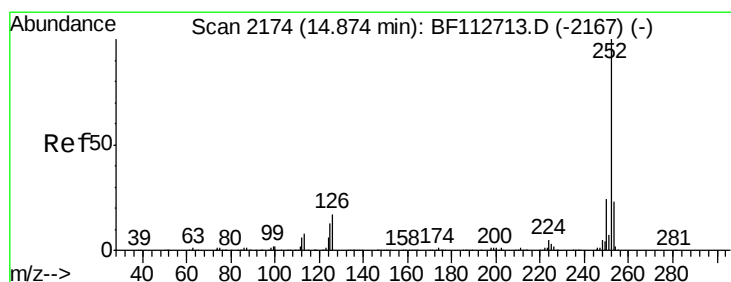
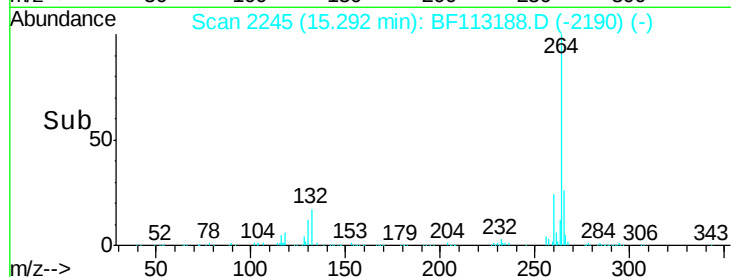
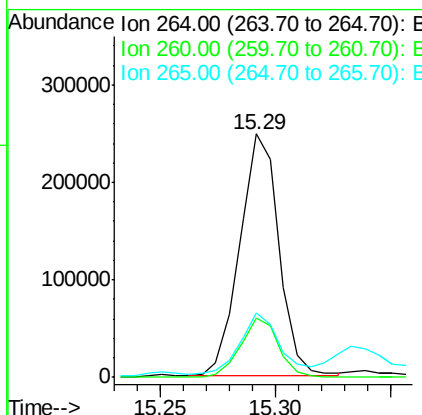
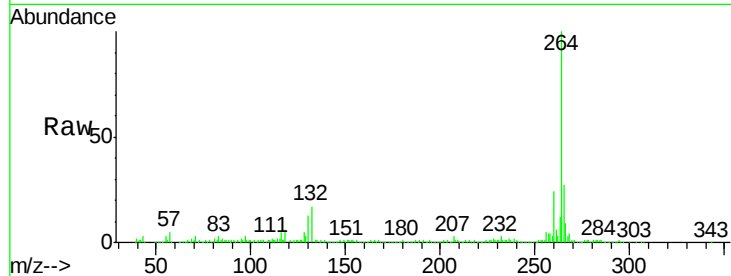
ClientSampleId :

PEDESTALS-1-11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	26.6	17.7	26.5#

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#88

Benzo(b)fluoranthene

Concen: 175.411 ng m

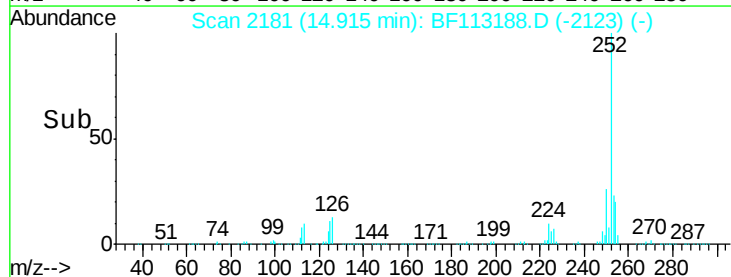
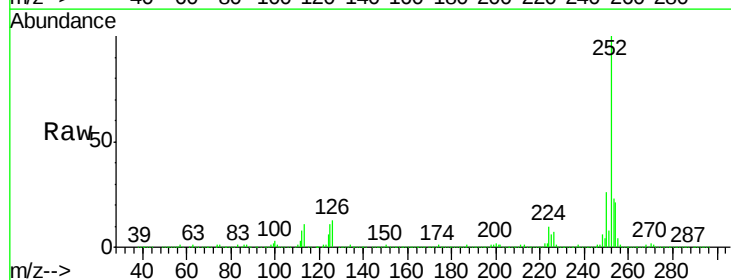
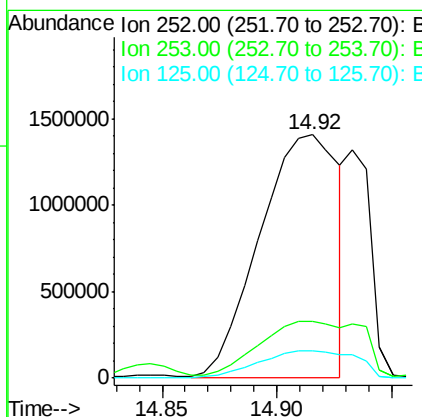
RT: 14.92 min Scan# 2181

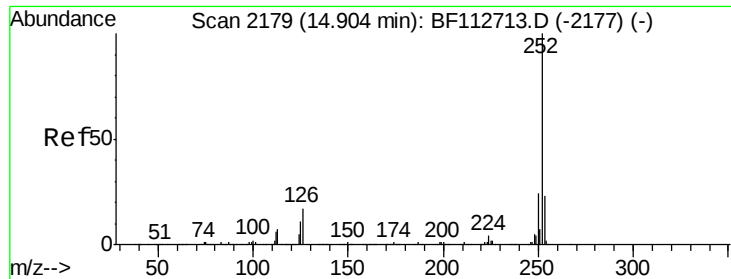
Delta R.T. 0.04 min

Lab File: BF113188.D

Acq: 21 Mar 2019 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	11.4	8.0	12.0





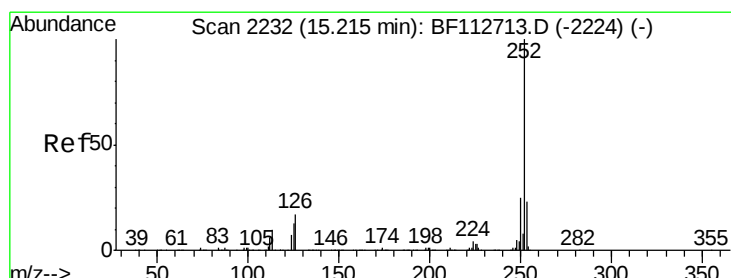
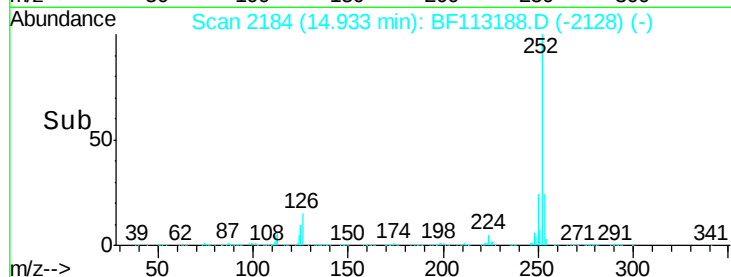
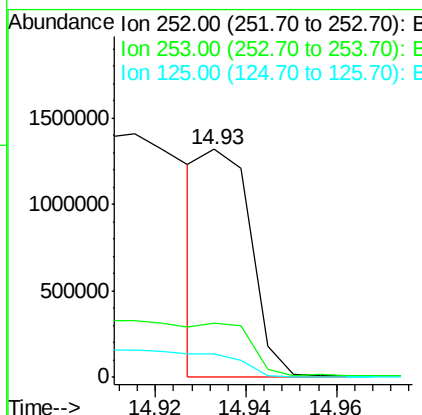
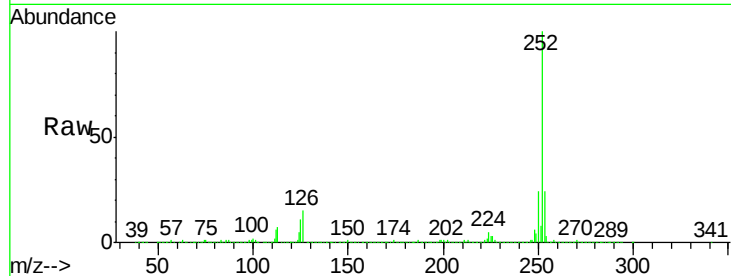
#89
Benzo(k)fluoranthene
Concen: 56.114 ng m
RT: 14.93 min Scan# 2184
Delta R.T. 0.03 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	10.5	8.2	12.2

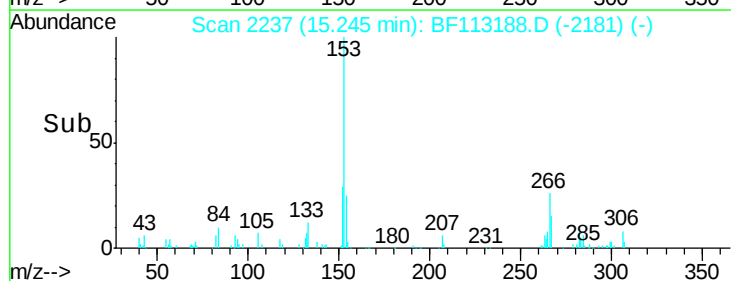
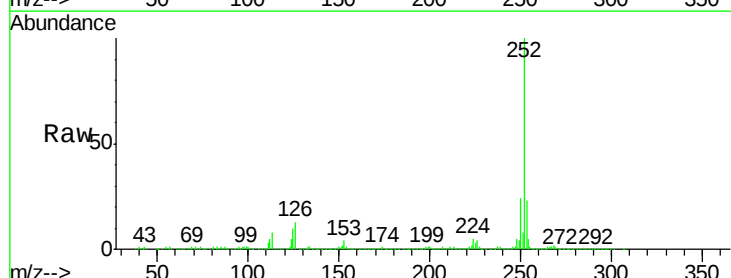
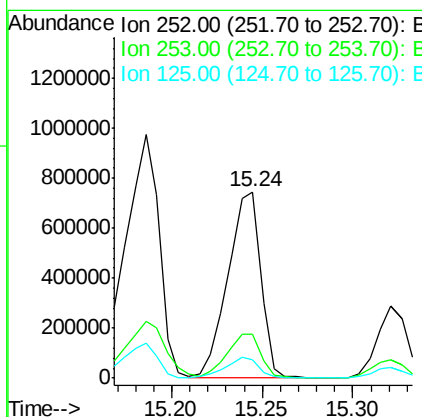
Manual Integrations
APPROVED

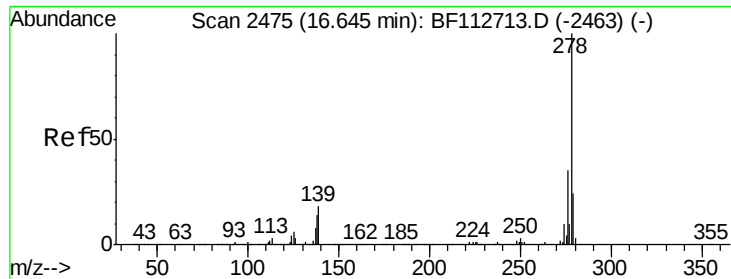
Sohil
3/21/2019 6:36:25 PM



#90
Benzo(a)pyrene
Concen: 55.675 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.03 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	9.9	9.1	13.7





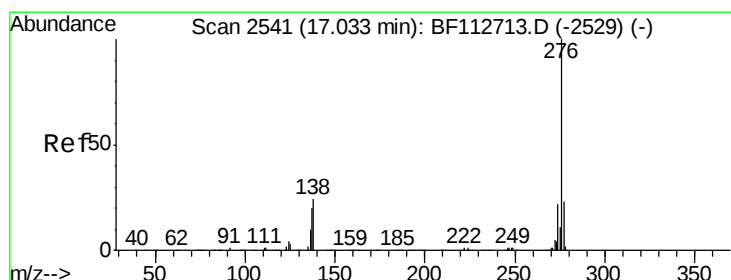
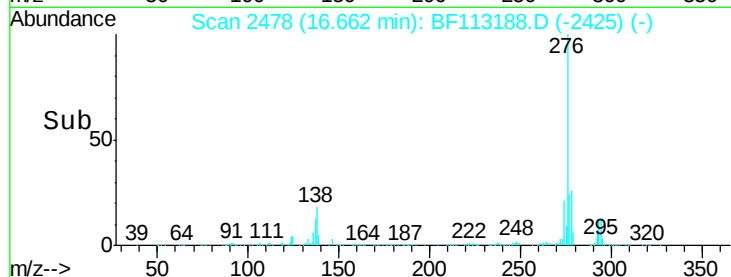
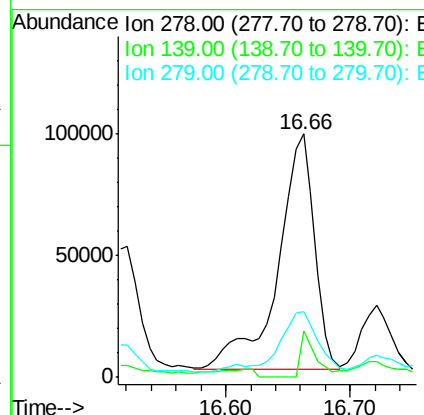
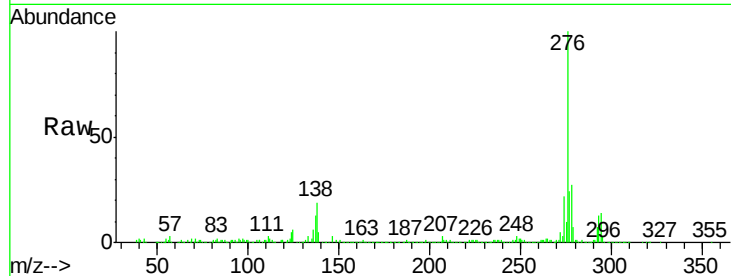
#91
Dibenzo(a,h)anthracene
Concen: 13.742 ng m
RT: 16.66 min Scan# 2478
Delta R.T. 0.01 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Instrument :
BNA_F
ClientSampleId :
PEDESTALS-1-11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.1	11.8	17.8#
279	27.1	19.0	28.4

Manual Integrations
APPROVED

Sohil
3/21/2019 6:36:25 PM



#92
Benzo(g,h,i)perylene
Concen: 35.046 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.02 min
Lab File: BF113188.D
Acq: 21 Mar 2019 00:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	20.1	16.2	24.4

