

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
 Data File : BF112782.D
 Acq On : 1 Mar 2019 00:54
 Operator : JU/SJ
 Sample : K1650-12 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-6(4-5)

Manual Integrations
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 3/14/2019 8:48:28 AM

Quant Time: Mar 01 08:38:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	191552	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	708886	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	286287	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	466900	20.00	ng	0.00
76) Chrysene-d12	13.88	240	413381	20.00	ng	0.00
87) Perylene-d12	15.29	264	494782	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	556491	45.19	ng	0.00
7) Phenol-d6	6.37	99	696084	45.00	ng	0.00
23) Nitrobenzene-d5	7.30	82	407771	34.42	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	144018	47.39	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	652734	30.71	ng	0.00
79) Terphenyl-d14	12.83	244	524670	24.60	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.05	128	88704	2.520	ng	97
49) Acenaphthylene	9.63	152	118283	3.821	ng	98
52) Acenaphthene	9.80	154	95424	5.272	ng	100
55) Dibenzofuran	9.97	168	85231	3.240	ng	95
58) Fluorene	10.32	166	134207	7.187	ng	98
71) Phenanthrene	11.27	178	1723958	74.212	ng	99
72) Anthracene	11.32	178	499695	20.549	ng	98
73) Carbazole	11.47	167	172792	7.284	ng	97
75) Fluoranthene	12.47	202	2908580	116.865	ng	97
78) Pyrene	12.69	202	2716125	77.940	ng	98
81) Benzo(a)anthracene	13.87	228	1762238	61.509	ng	97
83) Chrysene	13.91	228	1600910	57.046	ng	98
86) Indeno(1,2,3-cd)pyrene	16.66	276	1012577m	42.323	ng	
88) Benzo(b)fluoranthene	14.90	252	2356304m	73.625	ng	
89) Benzo(k)fluoranthene	14.92	252	651282m	22.466	ng	
90) Benzo(a)pyrene	15.24	252	1663189	58.754	ng	96
91) Dibenzo(a,h)anthracene	16.66	278	251263m	10.402	ng	
92) Benzo(g,h,i)perylene	17.07	276	877698	36.185	ng	98

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

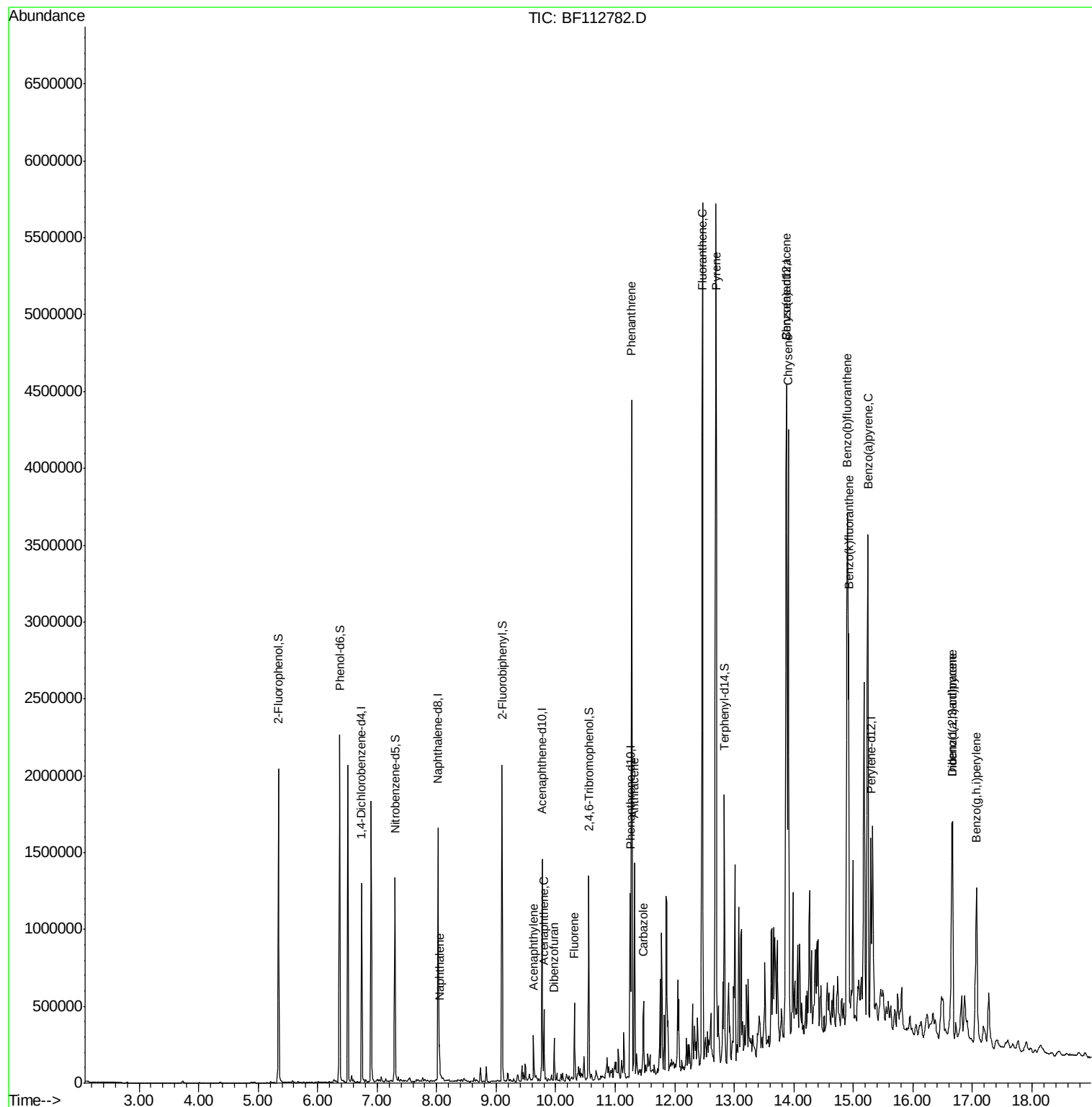
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
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ALS Vial : 18 Sample Multiplier: 1

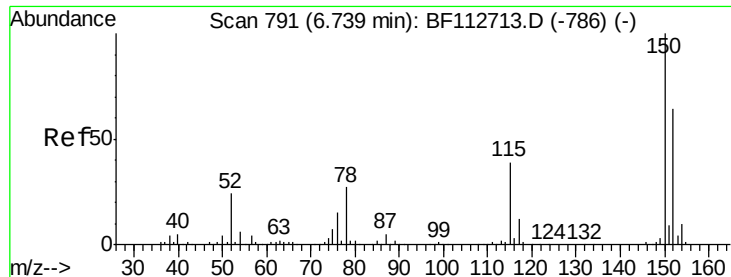
Instrument :
BNA_F
ClientSampleId :
B-6(4-5)

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#1

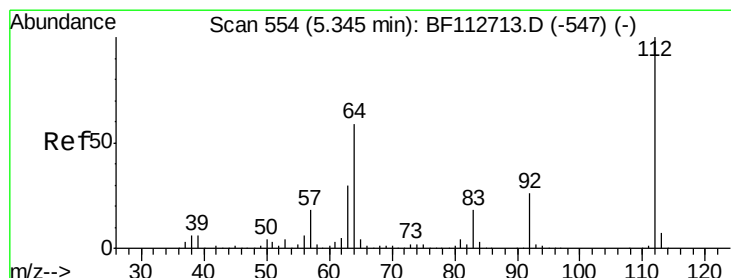
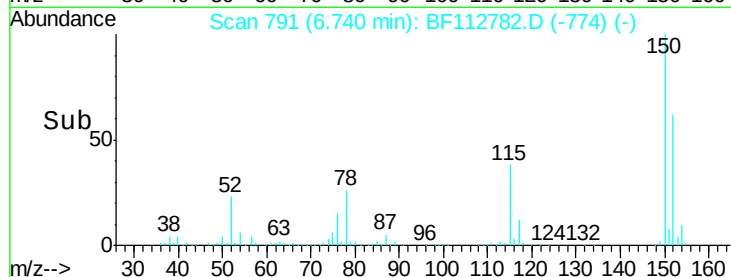
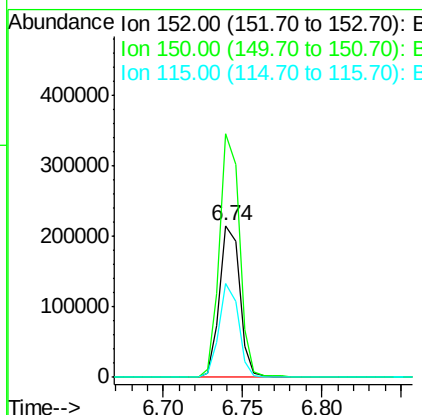
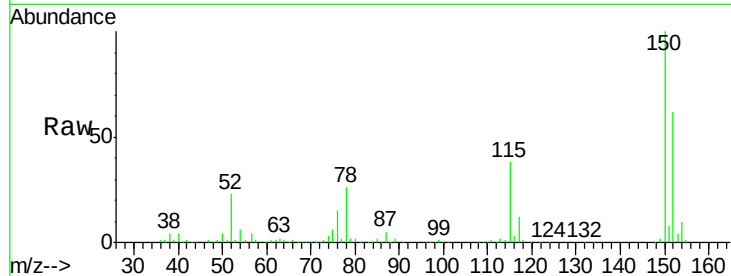
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112782.D
Acq: 1 Mar 2019 00:54

Instrument :
BNA_F
ClientSampled :
B-6(4-5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.2	186.2
115	61.5	48.2	72.4

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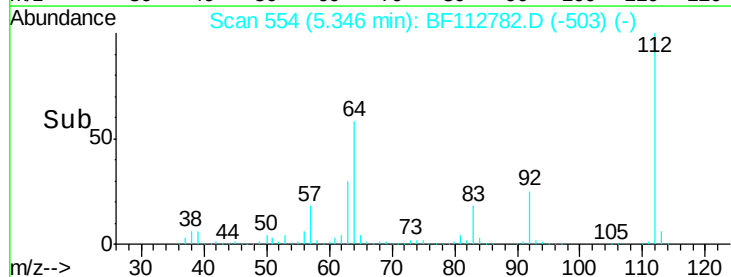
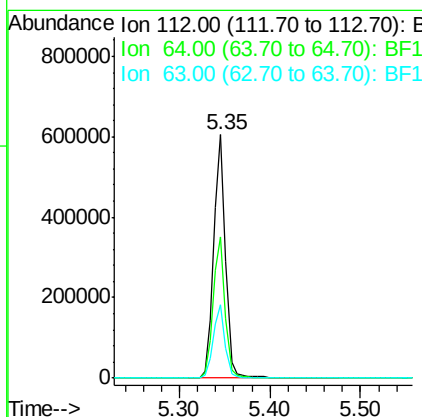
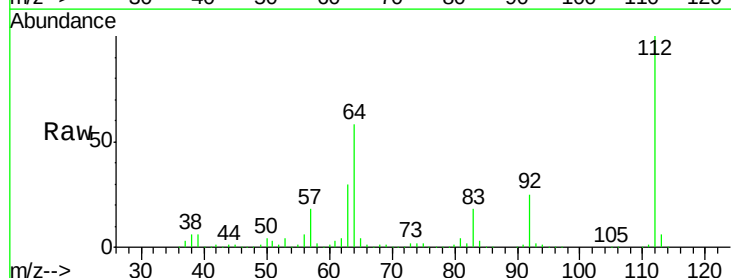
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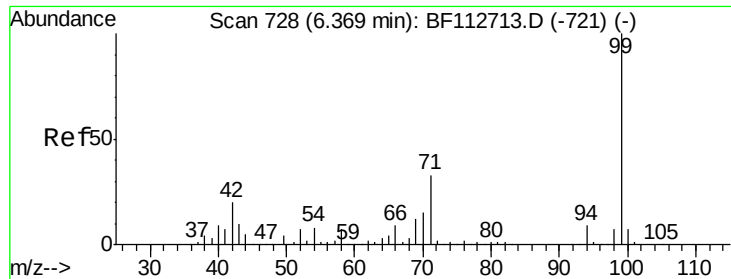


#5

2-Fluorophenol
Concen: 45.191 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112782.D
Acq: 1 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.6	71.4
63	30.1	24.4	36.6





#7

Phenol-d6

Concen: 45.000 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112782.D

Acq: 1 Mar 2019 00:54

Instrument :

BNA_F

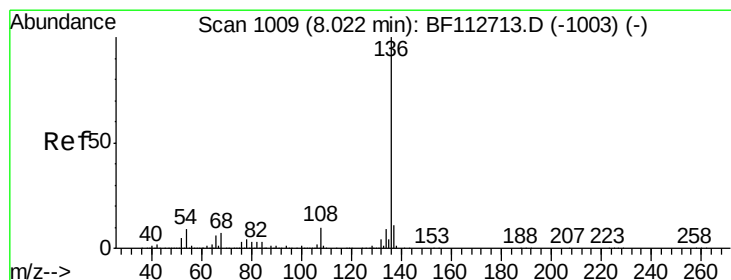
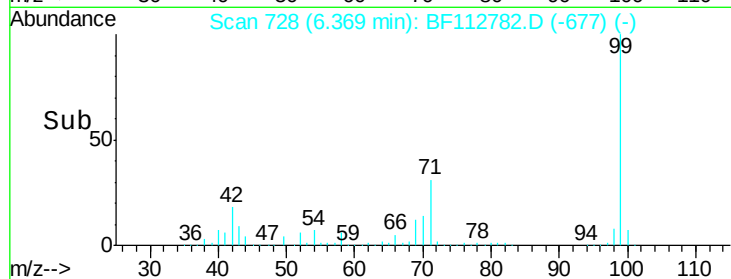
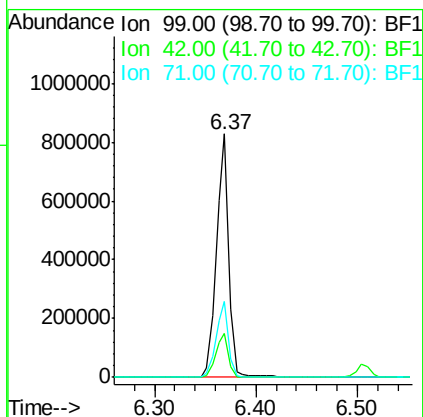
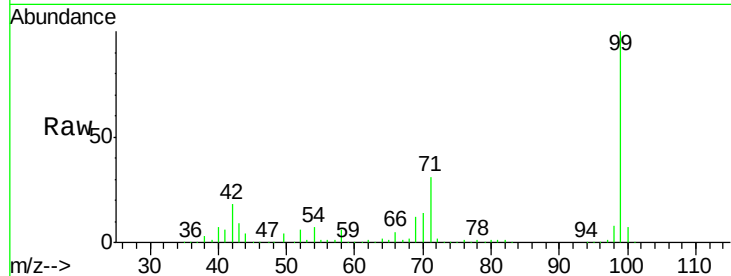
ClientSampled :

B-6(4-5)

Tgt Ion:	99	Resp:	696084
Ion Ratio	Lower	Upper	
99	100		
42	18.2	16.3	24.5
71	31.0	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

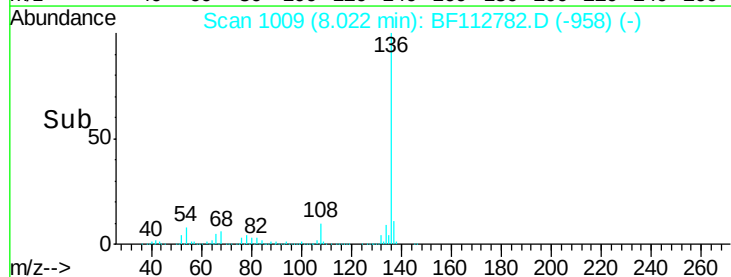
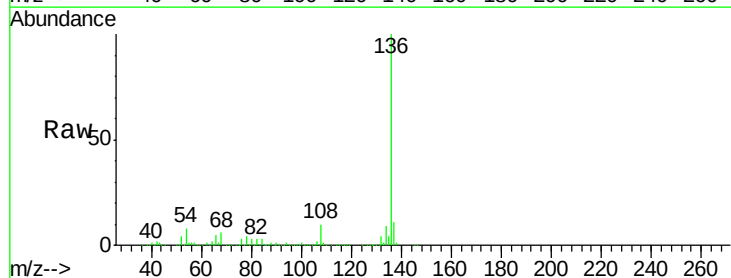
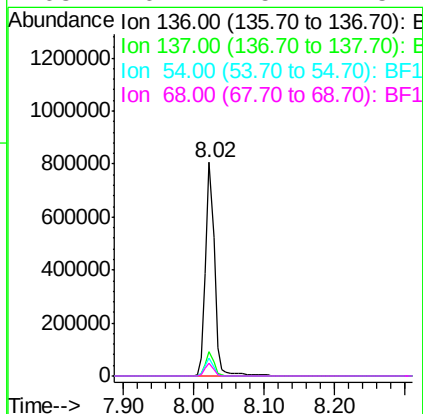
RT: 8.02 min Scan# 1009

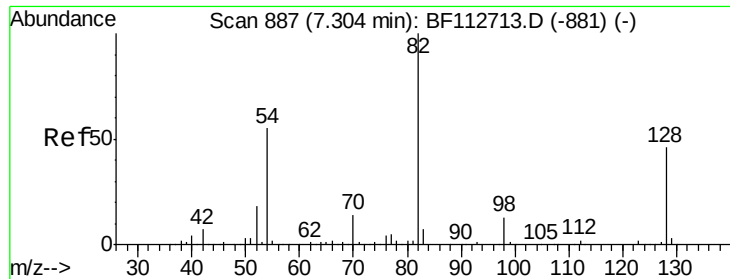
Delta R.T. 0.00 min

Lab File: BF112782.D

Acq: 1 Mar 2019 00:54

Tgt Ion:	136	Resp:	708886
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.3	7.3	10.9
68	6.2	5.4	8.2





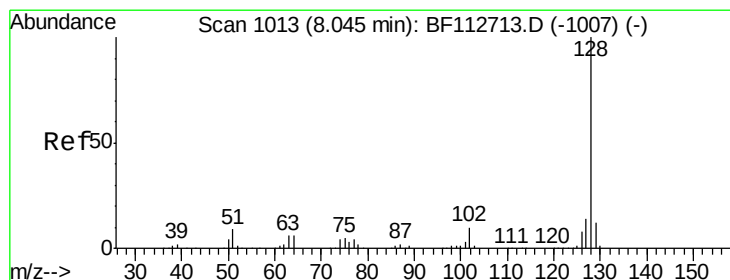
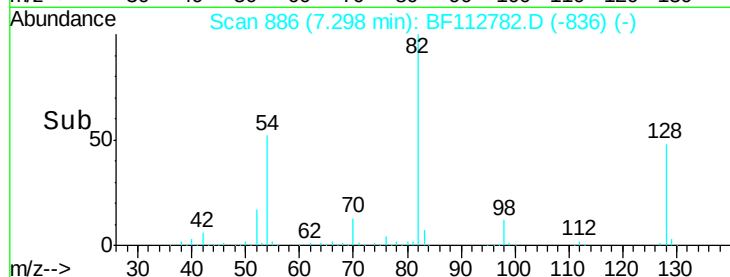
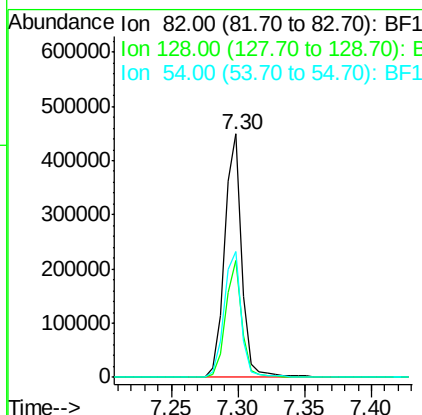
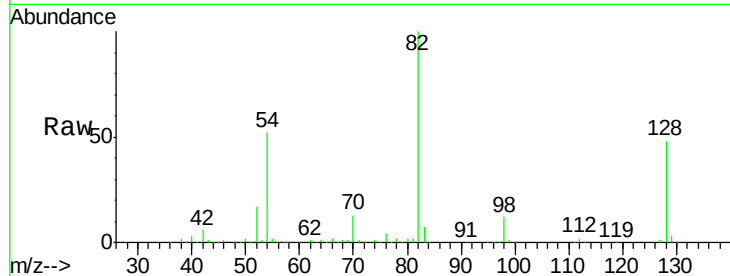
#23
Nitrobenzene-d5
Concen: 34.420 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112782.D
Acq: 1 Mar 2019 00:54

Instrument :
BNA_F
ClientSampled :
B-6(4-5)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.8	36.3	54.5
54	51.9	43.7	65.5

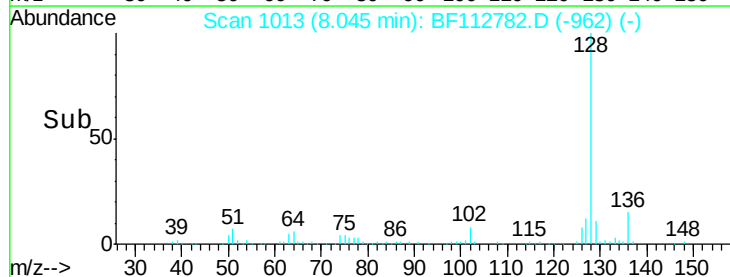
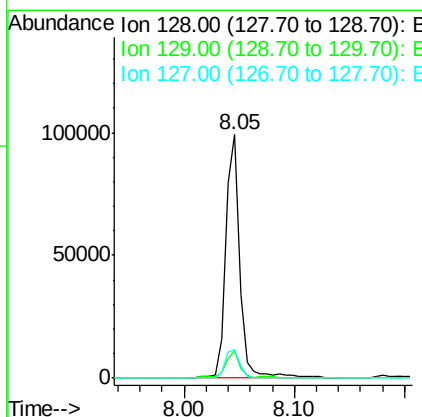
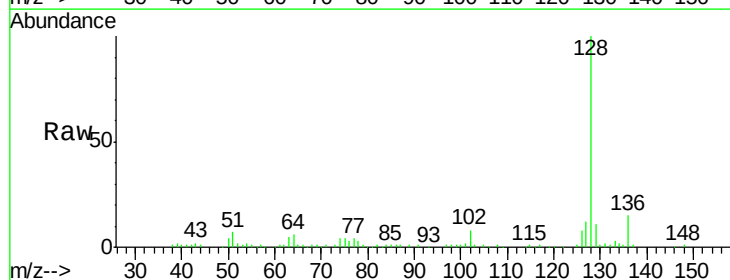
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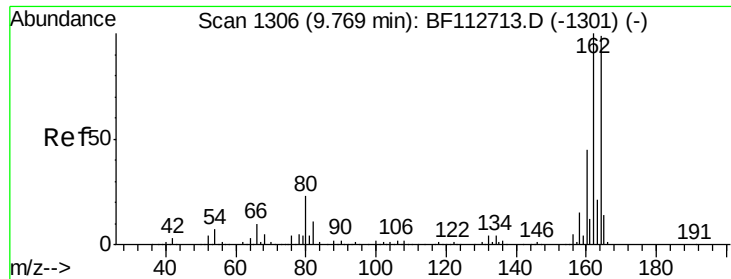
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#31
Naphthalene
Concen: 2.520 ng
RT: 8.05 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BF112782.D
Acq: 1 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	12.0	10.9	16.3





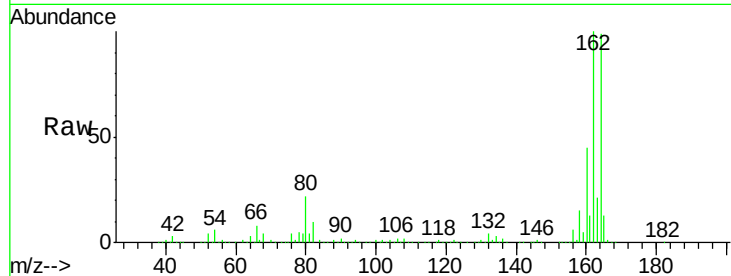
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112782.D
Acq: 1 Mar 2019 00:54

Instrument :
BNA_F
ClientSampleId :
B-6(4-5)

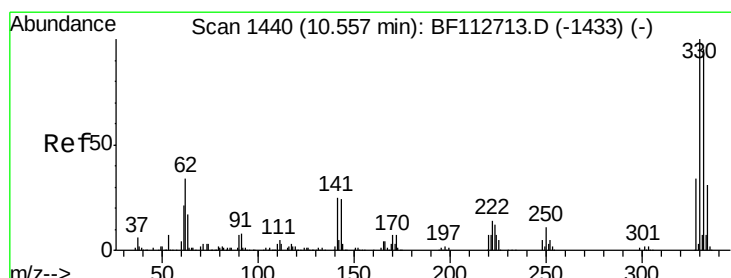
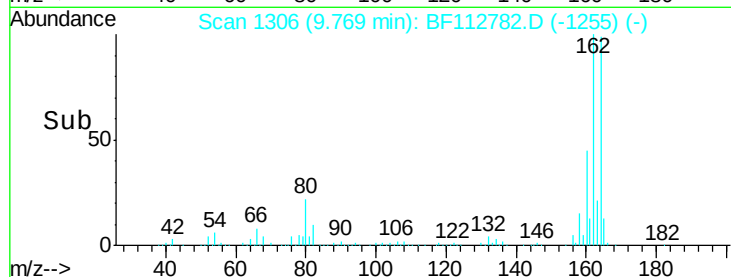
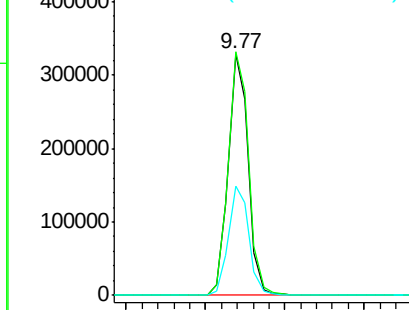
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	286287		
162	100.8	80.6	120.8	
160	45.0	36.0	54.0	

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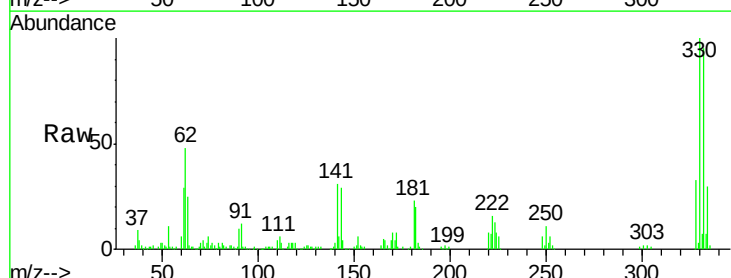


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

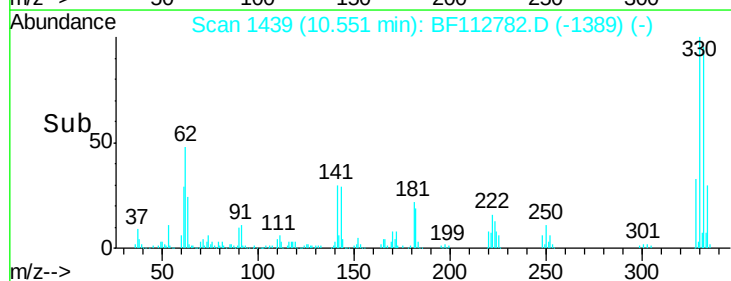
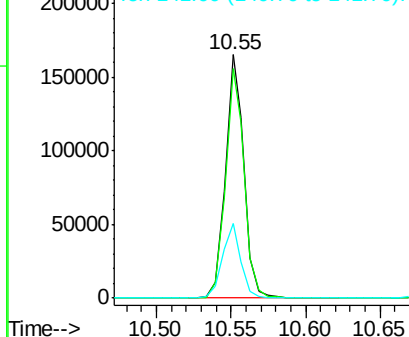


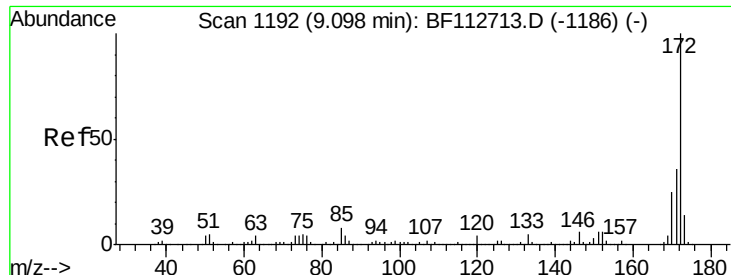
#42
2,4,6-Tribromophenol
Concen: 47.385 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF112782.D
Acq: 1 Mar 2019 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	144018		
332	96.1	76.2	114.4	
141	30.9	27.0	40.6	



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





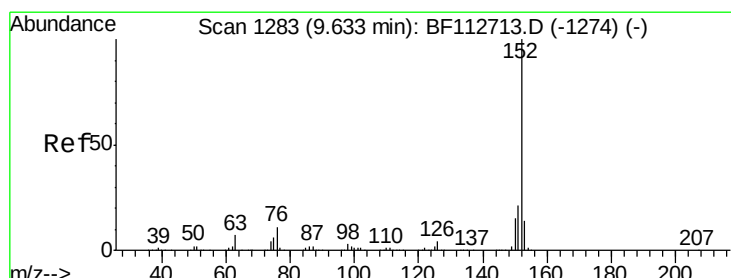
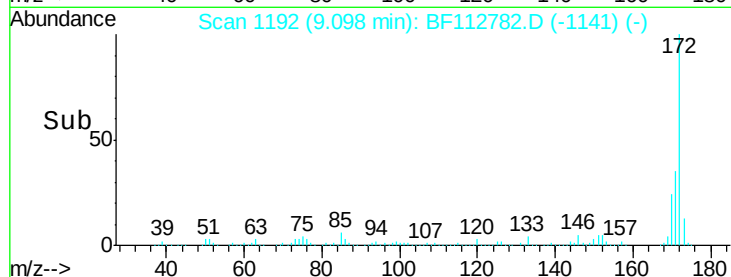
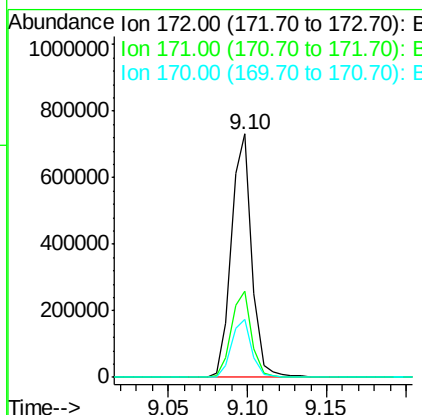
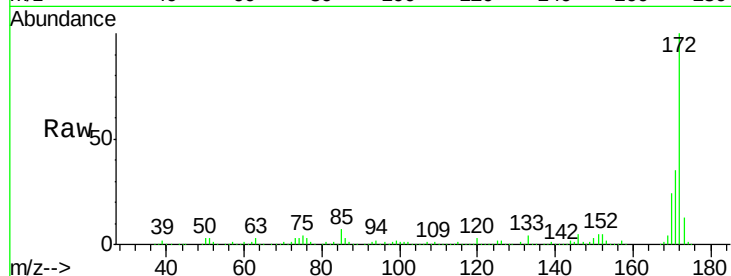
#45
 2-Fluorobiphenyl
 Concen: 30.706 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112782.D
 Acq: 1 Mar 2019 00:54

Instrument :
 BNA_F
 ClientSampled :
 B-6(4-5)

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	652734		
171	35.2		29.0	43.4
170	23.8		20.0	30.0

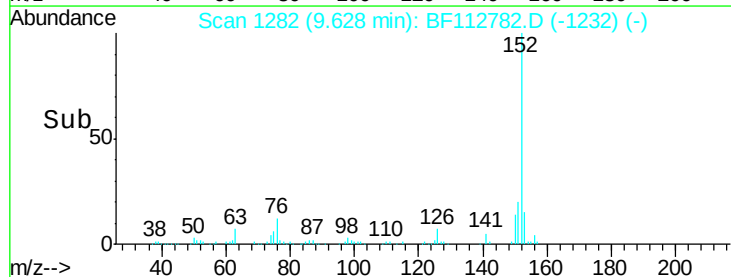
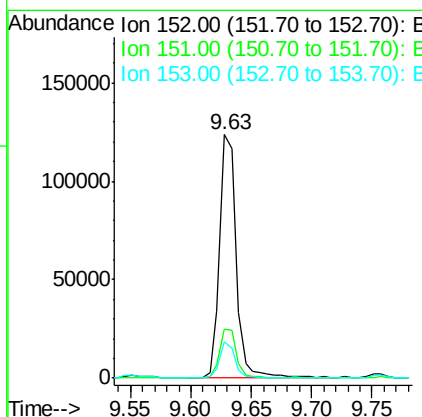
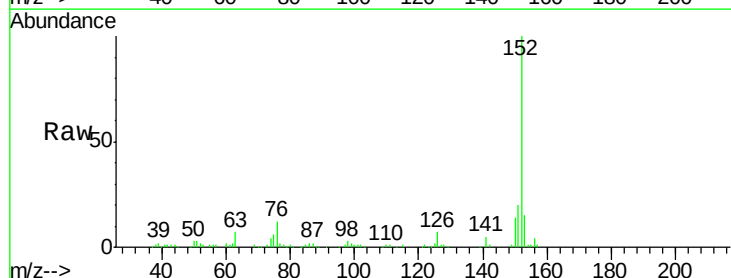
Manual Integrations
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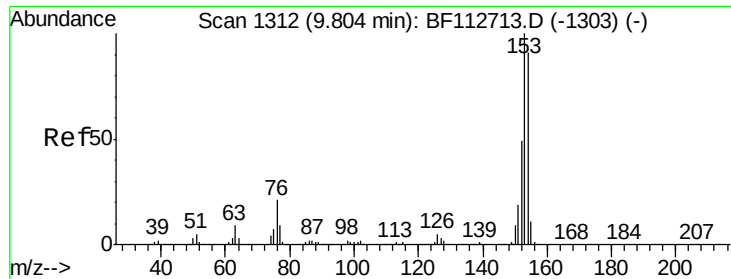
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#49
 Acenaphthylene
 Concen: 3.821 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: BF112782.D
 Acq: 1 Mar 2019 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	118283		
151	20.2		16.9	25.3
153	14.7		11.0	16.6





#52

Acenaphthene

Concen: 5.272 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF112782.D

Acq: 1 Mar 2019 00:54

Instrument :

BNA_F

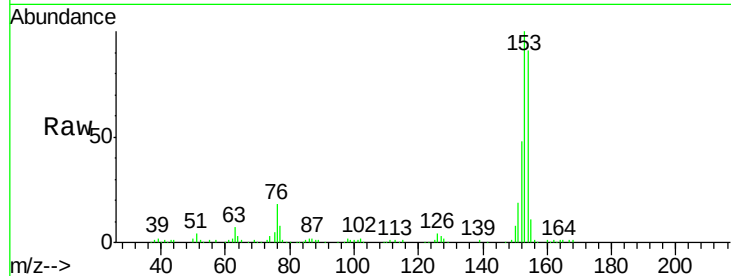
ClientSampleId :

B-6(4-5)

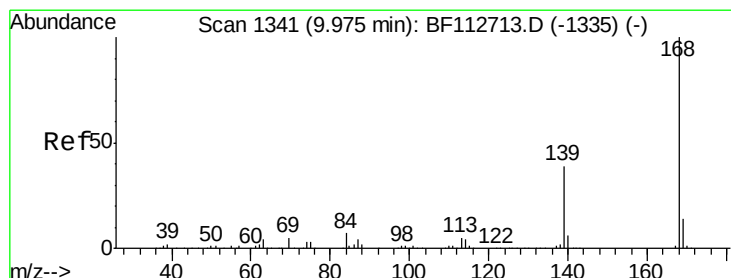
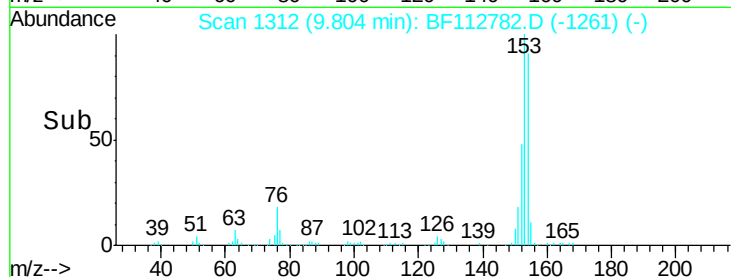
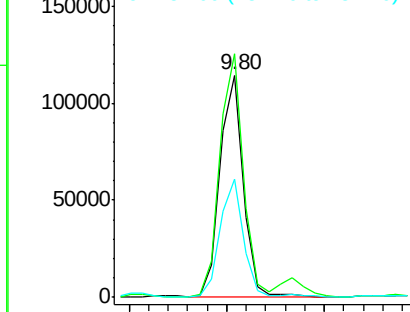
Tgt Ion:	154	Resp:	95424
Ion Ratio	Lower	Upper	
154	100		
153	109.7	87.8	131.8
152	53.2	43.0	64.6

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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: 3.240 ng

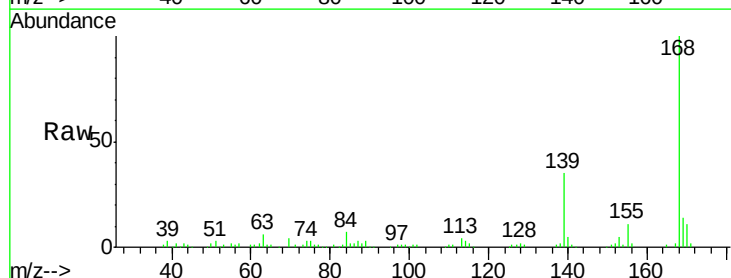
RT: 9.97 min Scan# 1341

Delta R.T. 0.00 min

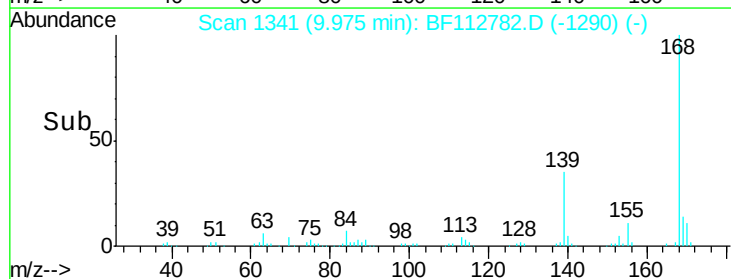
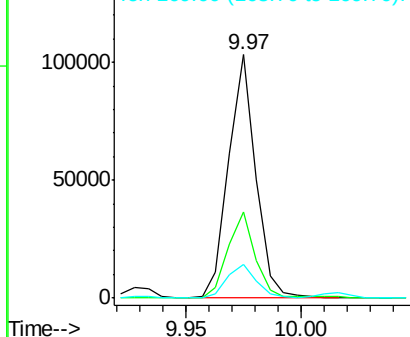
Lab File: BF112782.D

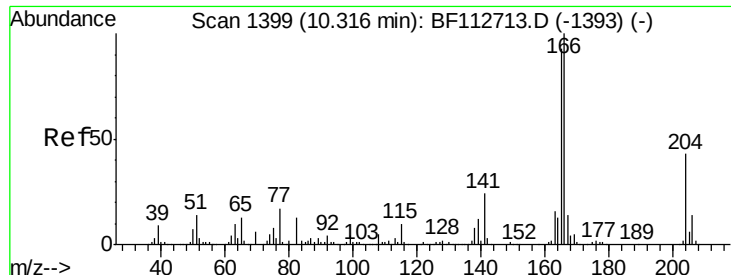
Acq: 1 Mar 2019 00:54

Tgt Ion:	168	Resp:	85231
Ion Ratio	Lower	Upper	
168	100		
139	35.2	31.3	46.9
169	13.8	11.3	16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





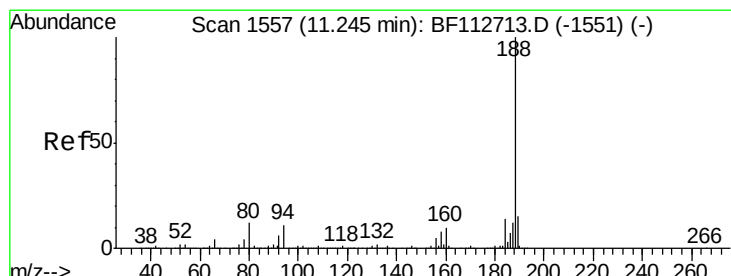
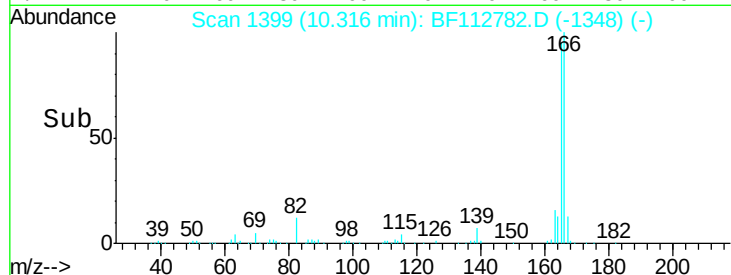
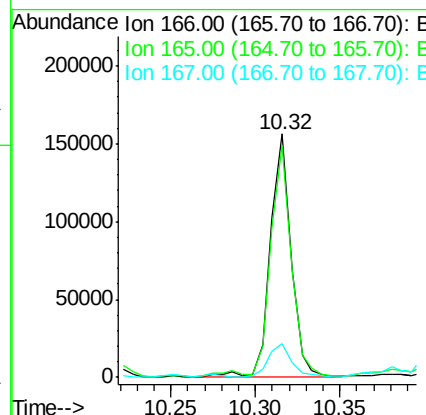
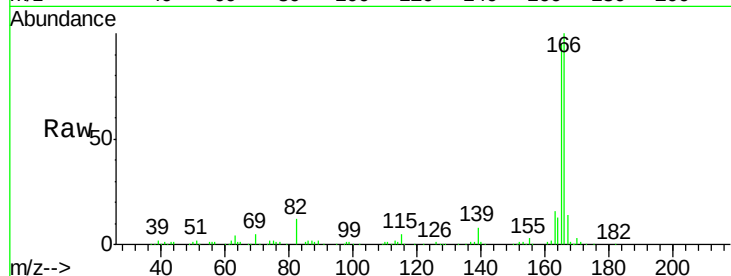
#58
 Fluorene
 Concen: 7.187 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. 0.00 min
 Lab File: BF112782.D
 Acq: 1 Mar 2019 00:54

Instrument :
 BNA_F
 ClientSampleId :
 B-6(4-5)

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.5	74.7	112.1
167	13.6	11.0	16.6

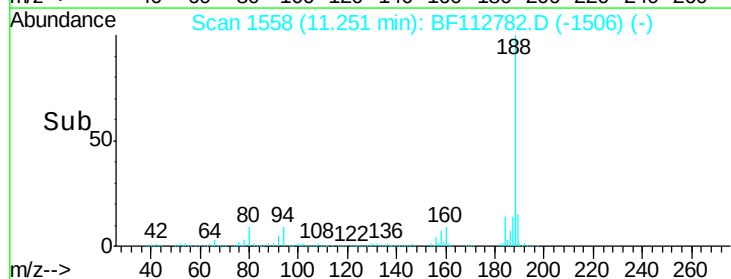
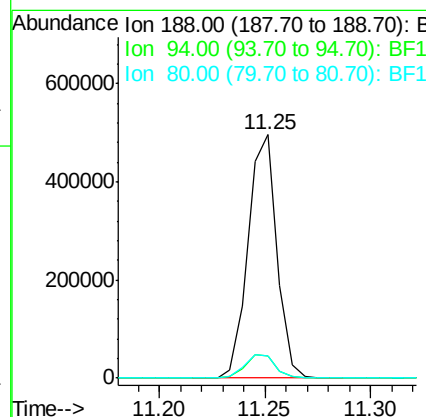
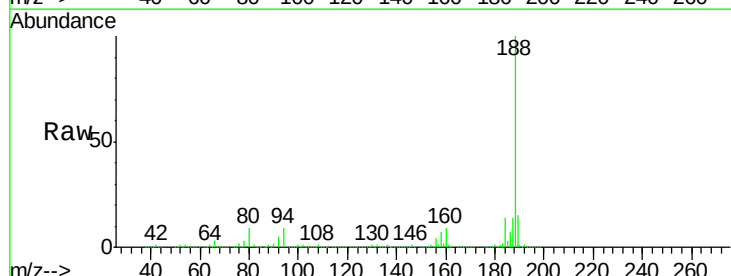
Manual Integrations
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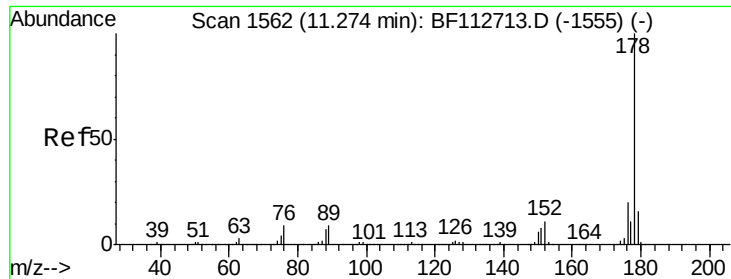
Sohil
 3/14/2019 8:48:28 AM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF112782.D
 Acq: 1 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	9.0	13.4#
80	9.3	9.2	13.8





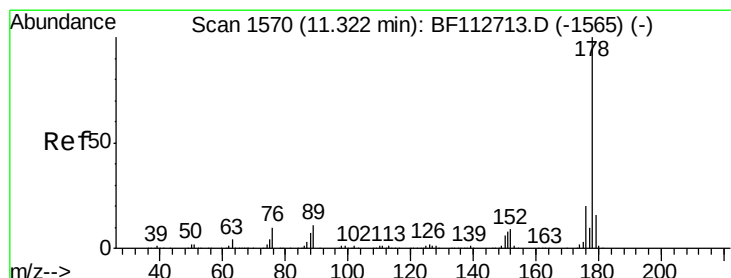
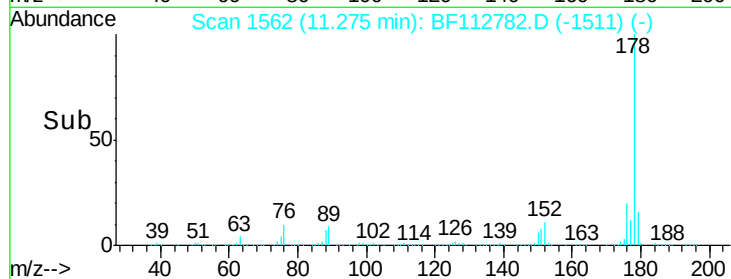
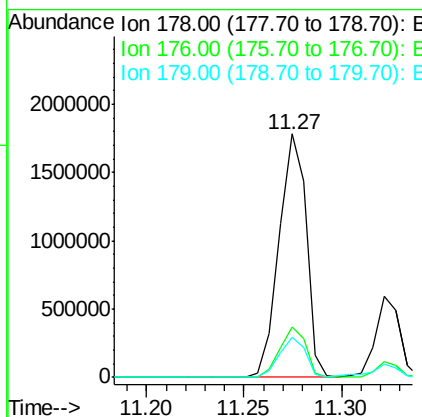
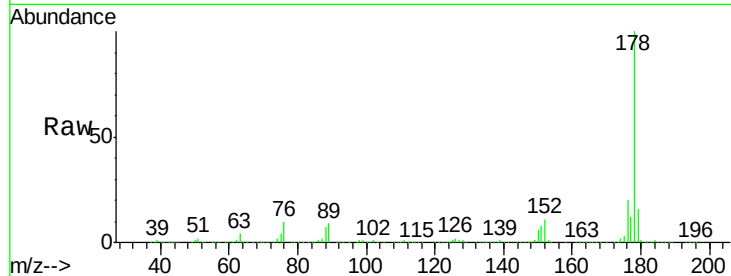
#71
Phenanthrene
Concen: 74.212 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112782.D
Acq: 1 Mar 2019 00:54

Instrument :
BNA_F
ClientSampleId :
B-6(4-5)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.3	24.5
179	16.5	12.7	19.1

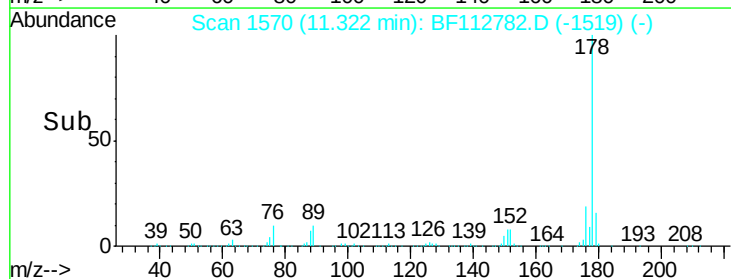
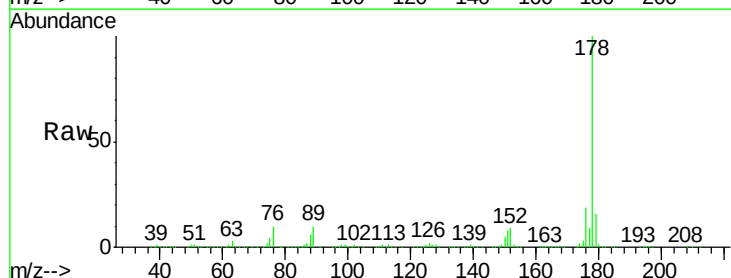
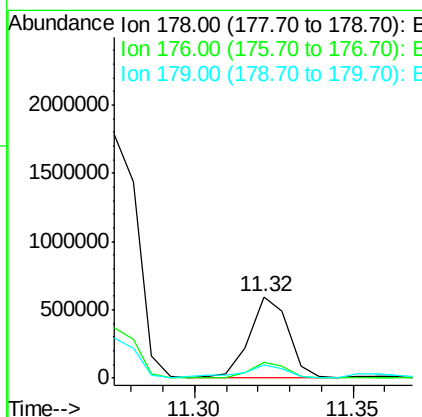
Manual Integrations
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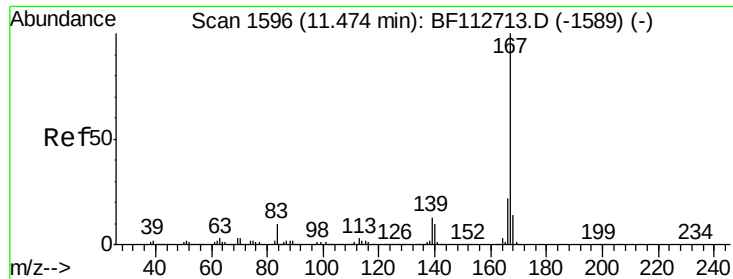
Sohil
3/14/2019 8:48:28 AM



#72
Anthracene
Concen: 20.549 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF112782.D
Acq: 1 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.7	13.0	19.6





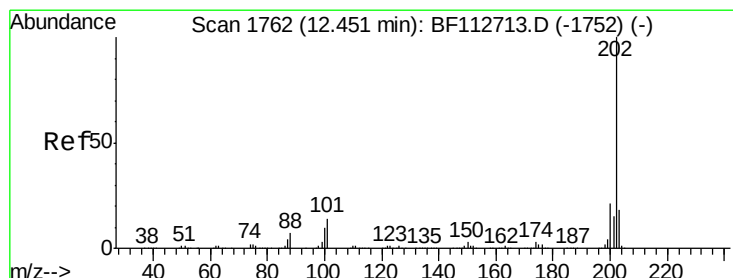
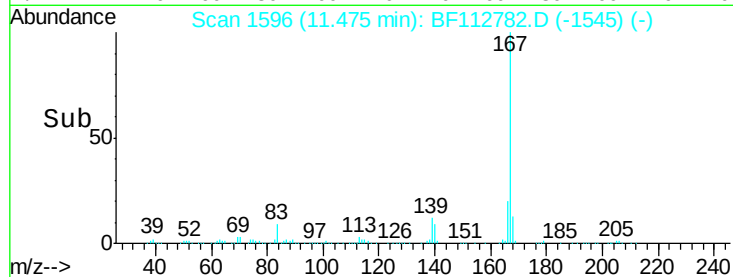
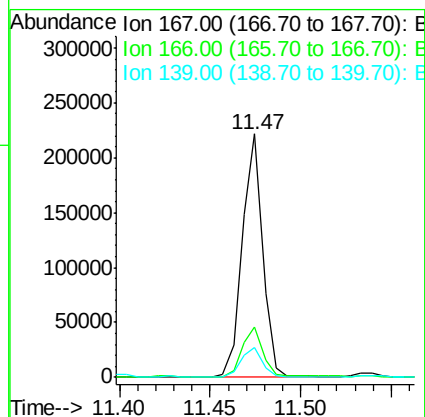
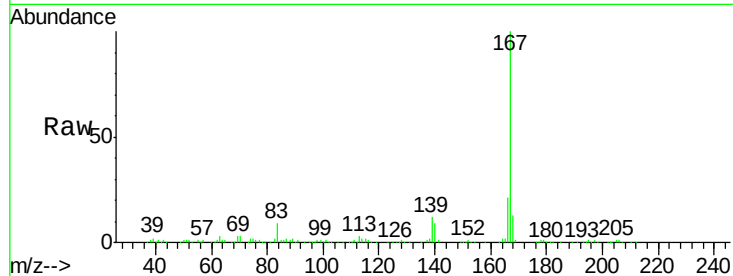
#73
 Carbazole
 Concen: 7.284 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: BF112782.D
 Acq: 1 Mar 2019 00:54

Instrument :
 BNA_F
 ClientSampled :
 B-6(4-5)

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.5	26.3
139	12.4	10.8	16.2

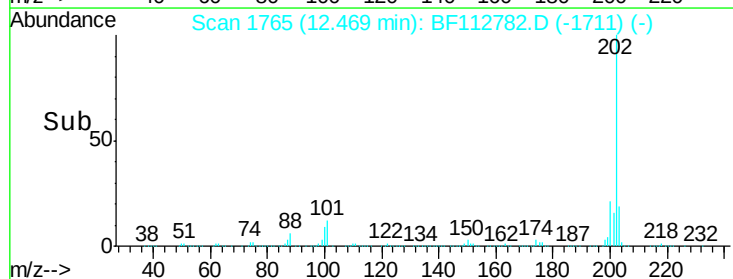
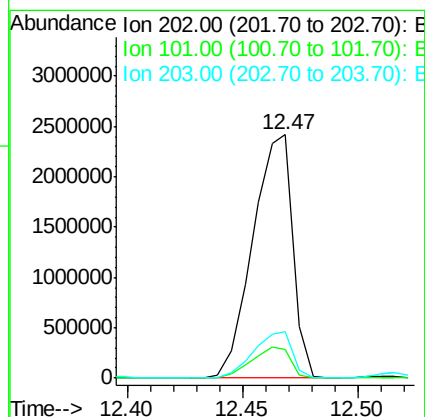
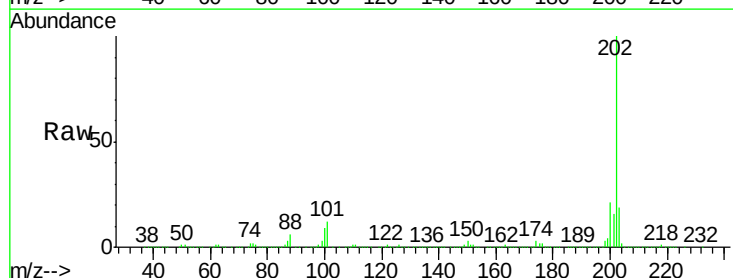
Manual Integrations
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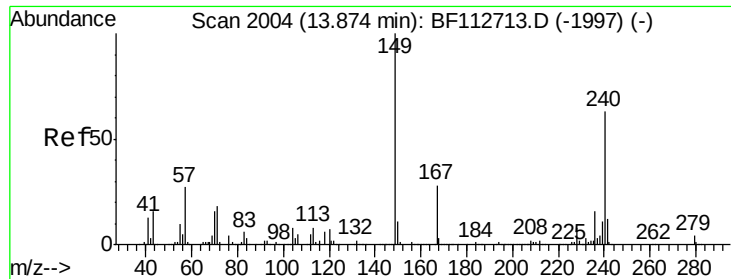
Sohil
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#75
 Fluoranthene
 Concen: 116.865 ng
 RT: 12.47 min Scan# 1765
 Delta R.T. 0.02 min
 Lab File: BF112782.D
 Acq: 1 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	33.8
203	19.0	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF112782.D

Acq: 1 Mar 2019 00:54

Instrument :

BNA_F

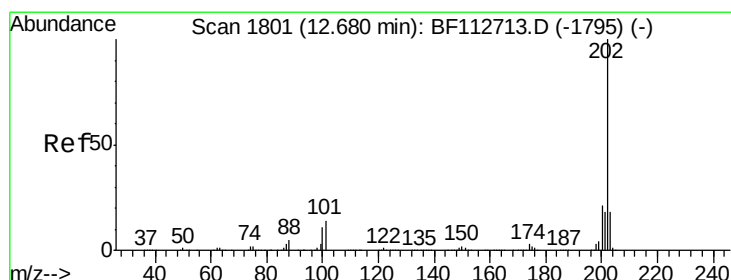
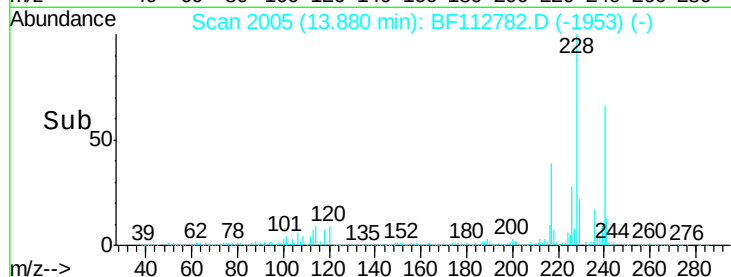
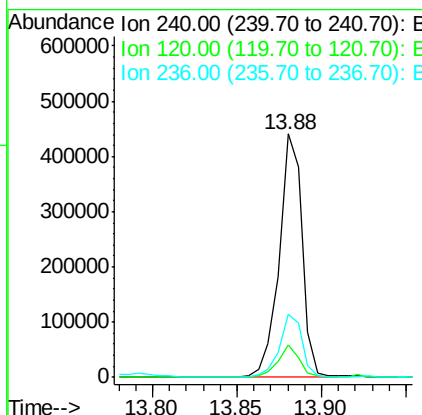
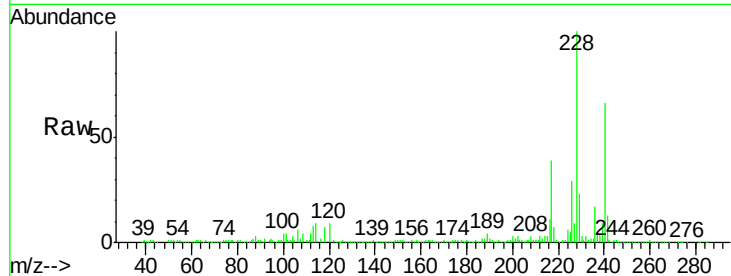
ClientSampleId :

B-6(4-5)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	413381		
120	13.1	8.9	13.3	
236	25.9	20.7	31.1	

Manual Integrations
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#78

Pyrene

Concen: 77.940 ng

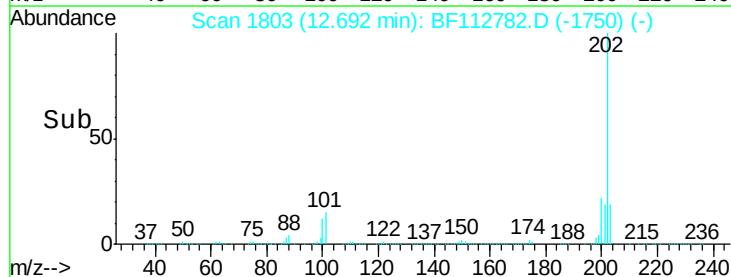
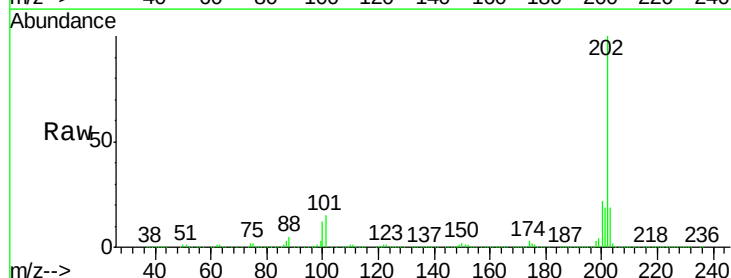
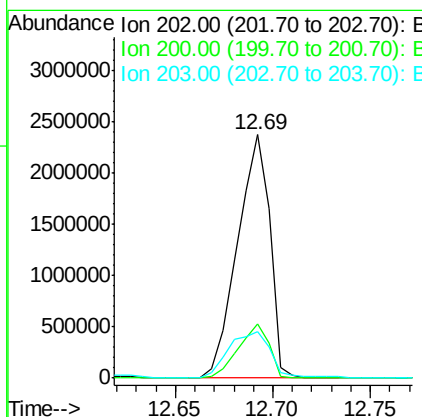
RT: 12.69 min Scan# 1803

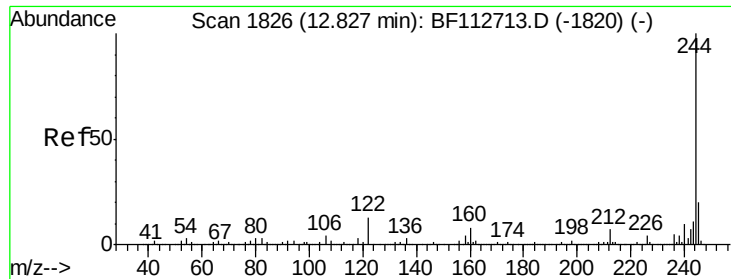
Delta R.T. 0.01 min

Lab File: BF112782.D

Acq: 1 Mar 2019 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2716125		
200	22.2	17.0	25.4	
203	19.2	14.4	21.6	





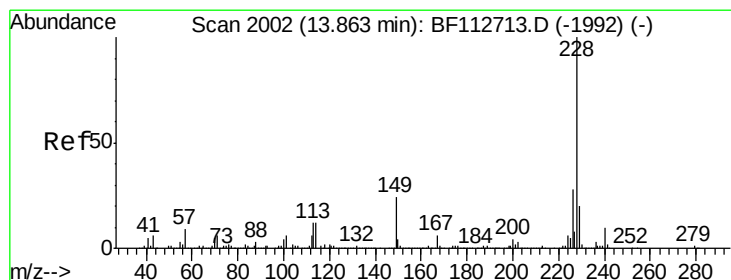
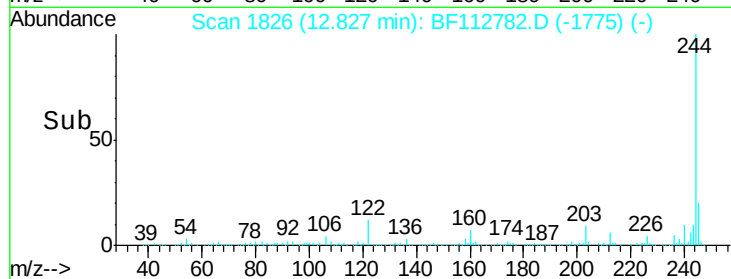
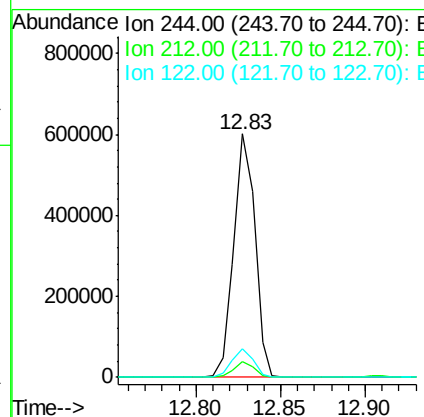
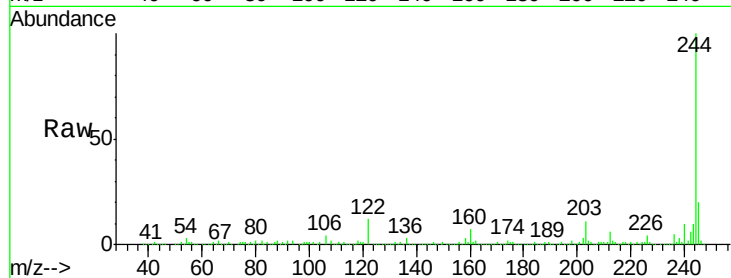
#79
 Terphenyl-d14
 Concen: 24.604 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.00 min
 Lab File: BF112782.D
 Acq: 1 Mar 2019 00:54

Instrument :
 BNA_F
 ClientSampleId :
 B-6(4-5)

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	524670		
212	6.3		5.6	8.4
122	12.0		10.5	15.7

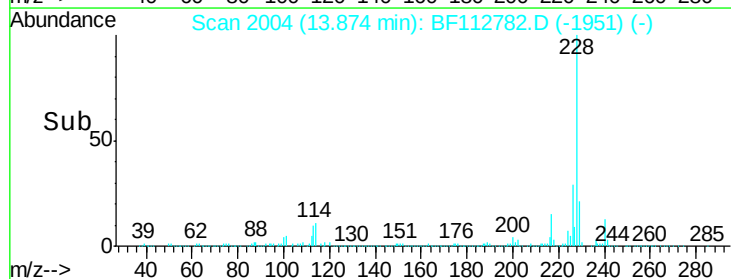
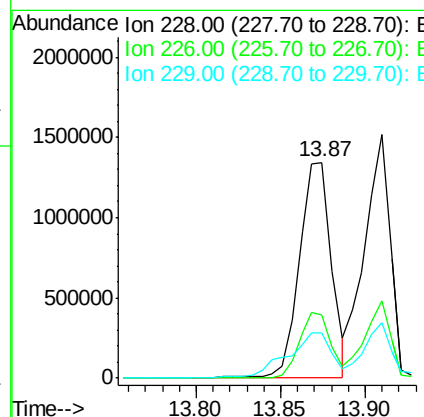
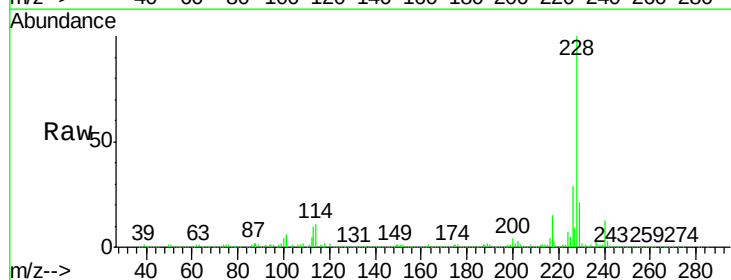
Manual Integrations
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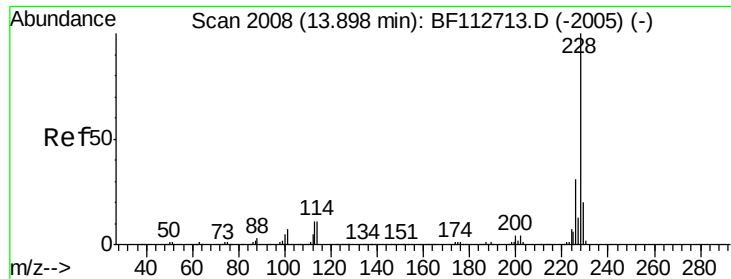
Sohil
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#81
 Benzo(a)anthracene
 Concen: 61.509 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BF112782.D
 Acq: 1 Mar 2019 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1762238		
226	29.3		22.2	33.4
229	21.1		16.0	24.0





#83

Chrysene

Concen: 57.046 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF112782.D

Acq: 1 Mar 2019 00:54

Instrument :

BNA_F

ClientSampleId :

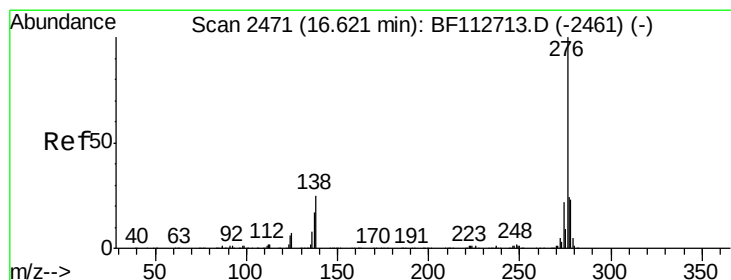
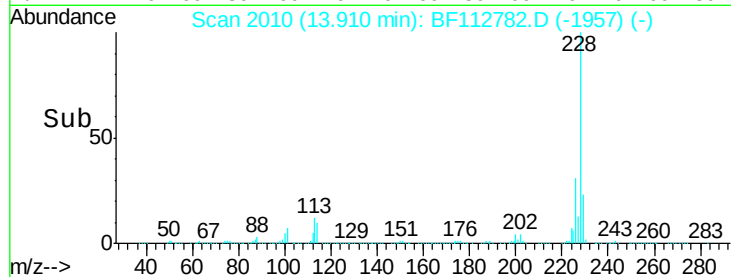
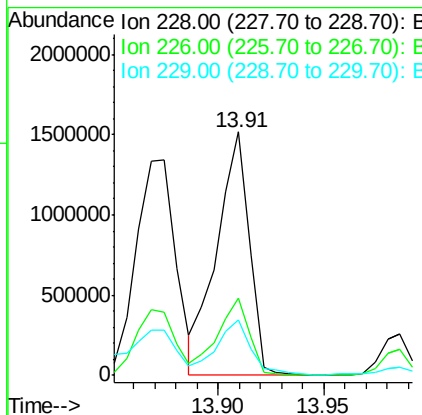
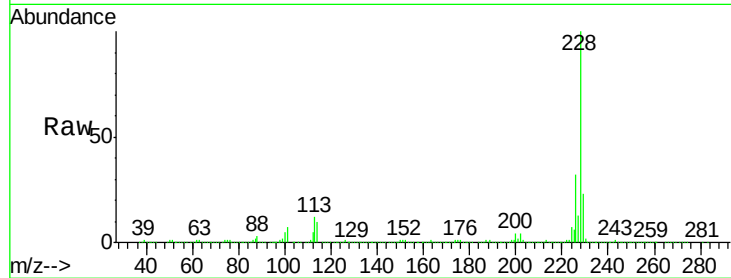
B-6(4-5)

Tgt Ion:228 Resp: 1600910

Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.9	37.3
229	22.7	16.3	24.5

Manual Integrations
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#86

Indeno(1,2,3-cd)pyrene

Concen: 42.323 ng m

RT: 16.66 min Scan# 2477

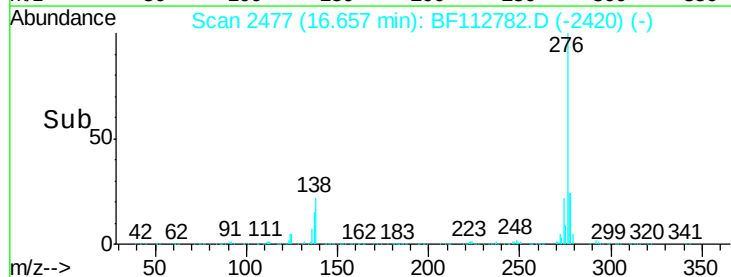
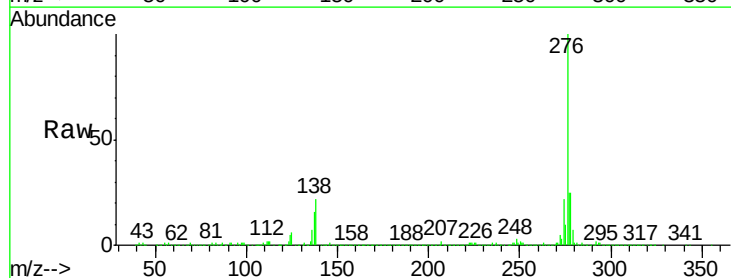
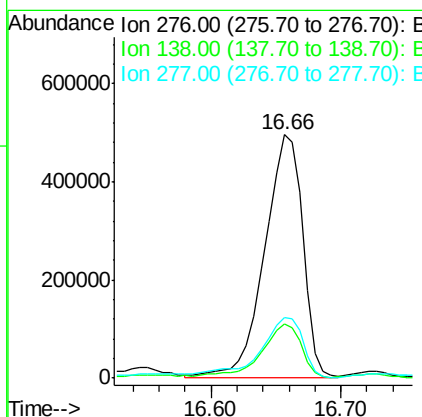
Delta R.T. 0.04 min

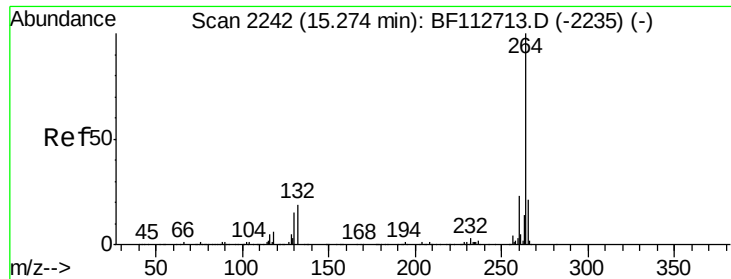
Lab File: BF112782.D

Acq: 1 Mar 2019 00:54

Tgt Ion:276 Resp: 1012577

Ion	Ratio	Lower	Upper
276	100		
138	4.6	23.2	34.8#
277	4.6	19.9	29.9#





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

Delta R.T. 0.02 min

Lab File: BF112782.D

Acq: 1 Mar 2019 00:54

Instrument :

BNA_F

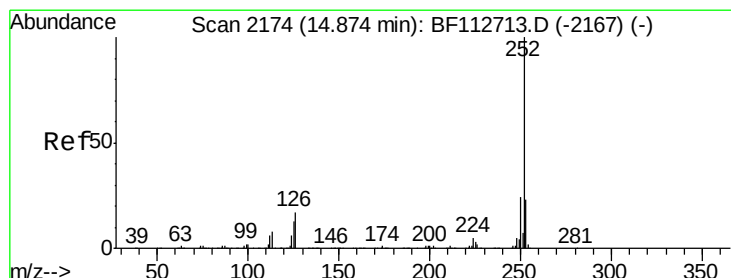
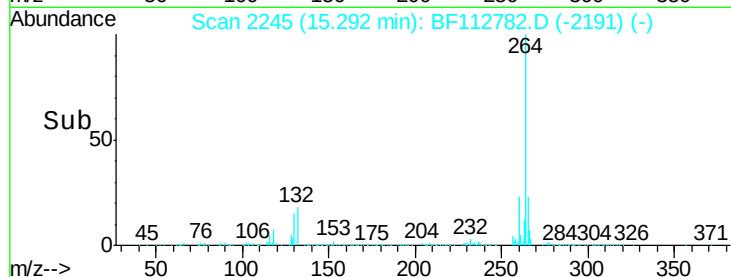
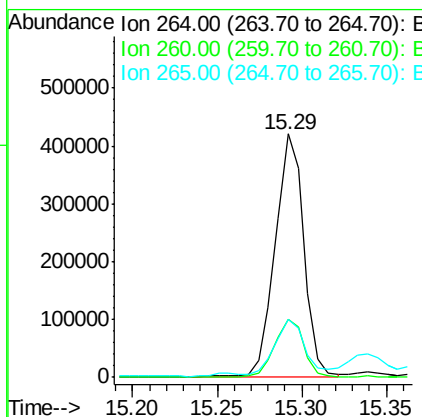
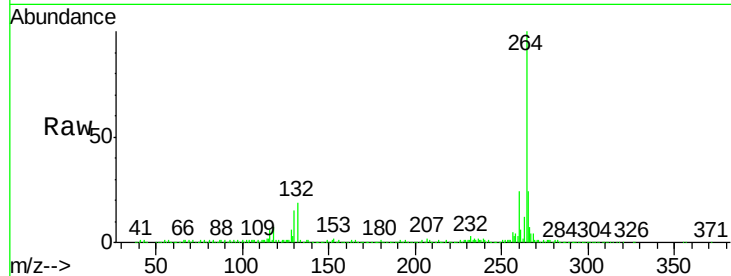
ClientSampled :

B-6(4-5)

Tgt Ion:	264	Resp:	494782
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	23.8	17.2	25.8

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 73.625 ng m

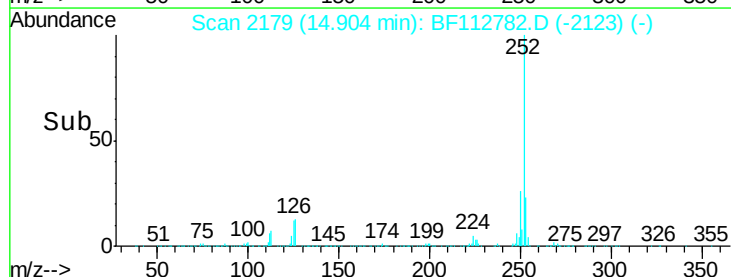
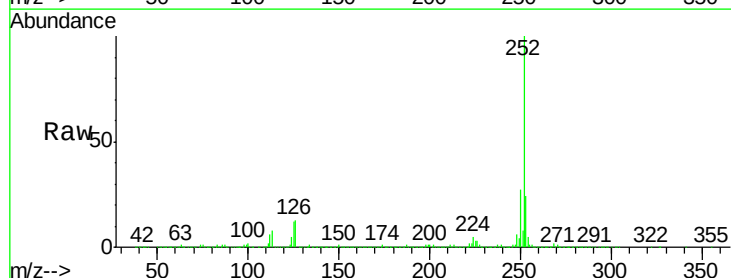
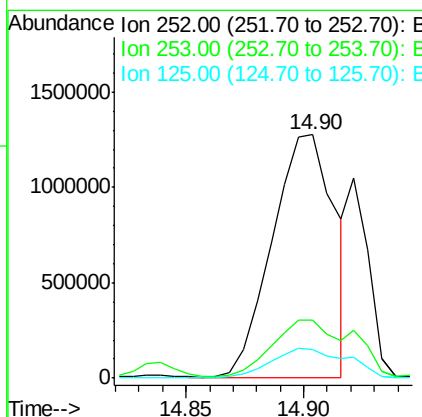
RT: 14.90 min Scan# 2179

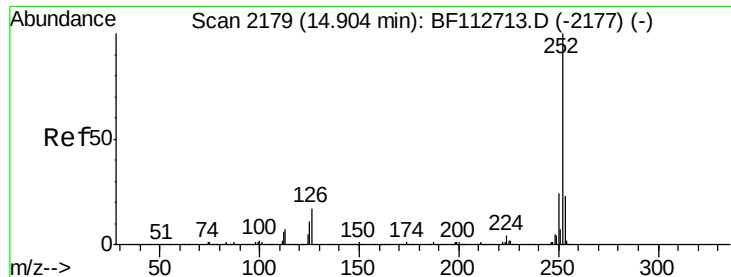
Delta R.T. 0.03 min

Lab File: BF112782.D

Acq: 1 Mar 2019 00:54

Tgt Ion:	252	Resp:	2356304
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.0	27.0
125	11.7	10.2	15.2





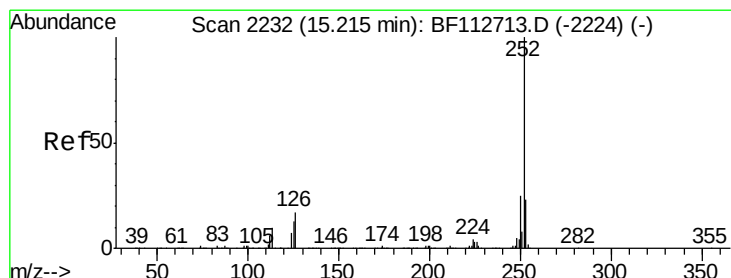
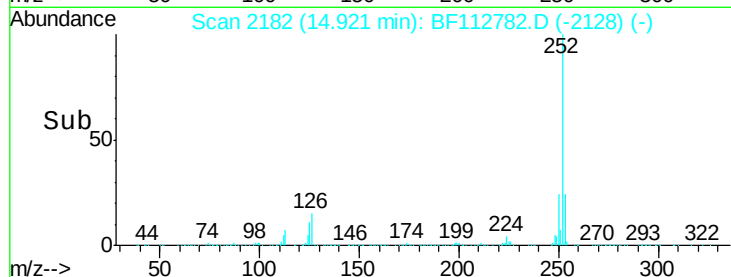
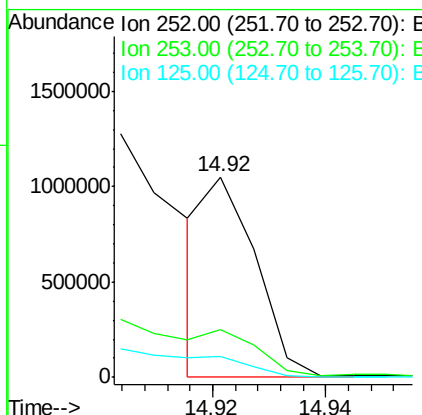
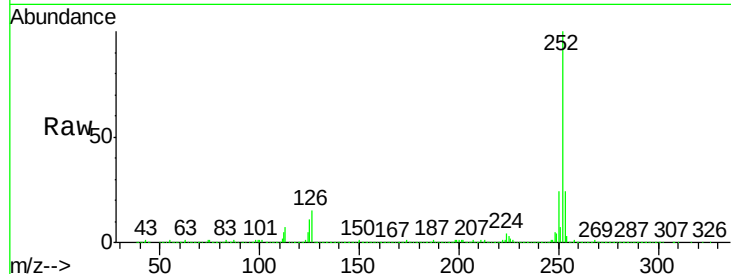
#89
Benzo(k)fluoranthene
Concen: 22.466 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF112782.D
Acq: 1 Mar 2019 00:54

Instrument :
BNA_F
ClientSampleId :
B-6(4-5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	10.8	9.8	14.6

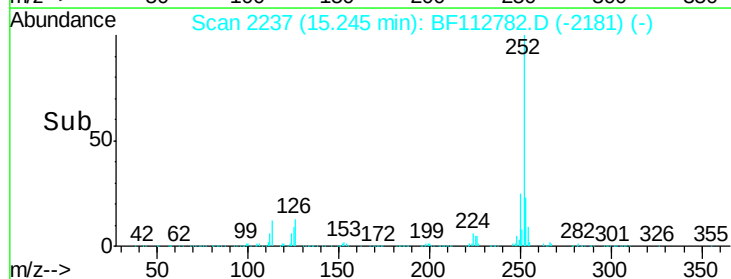
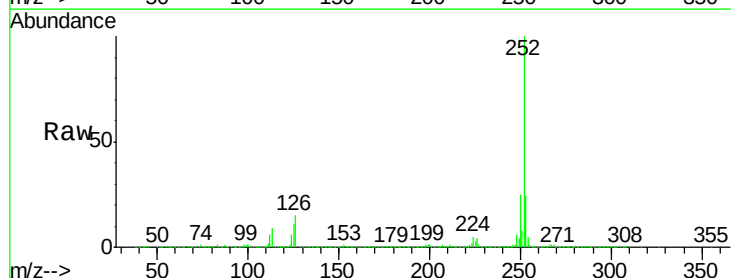
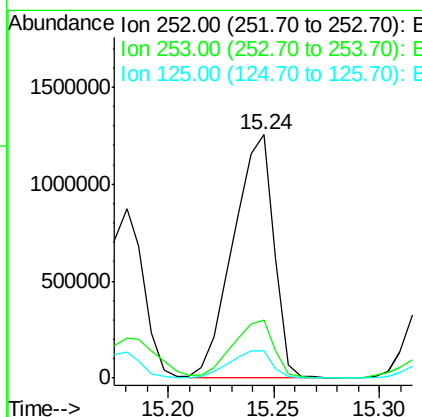
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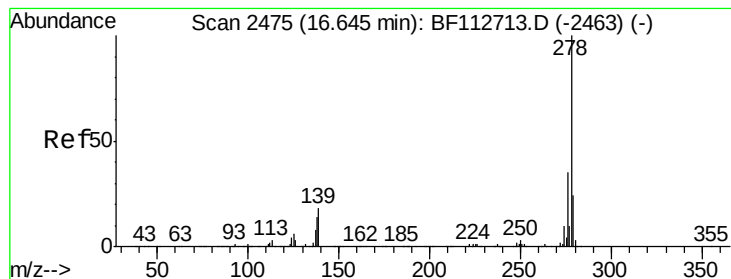
Sohil
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#90
Benzo(a)pyrene
Concen: 58.754 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.03 min
Lab File: BF112782.D
Acq: 1 Mar 2019 00:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	11.2	10.7	16.1





#91

Dibenzo(a,h)anthracene

Concen: 10.402 ng m

RT: 16.66 min Scan# 2478

Delta R.T. 0.02 min

Lab File: BF112782.D

Acq: 1 Mar 2019 00:54

Instrument :

BNA_F

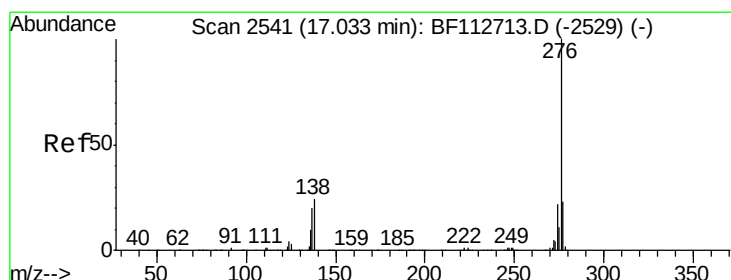
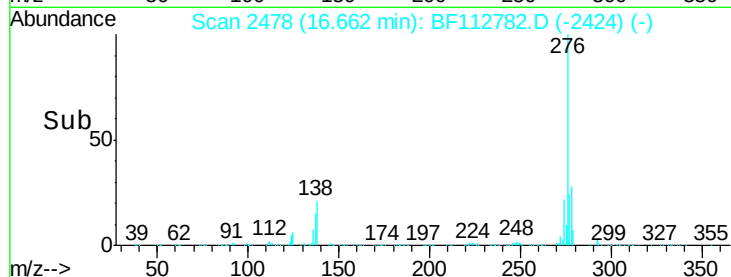
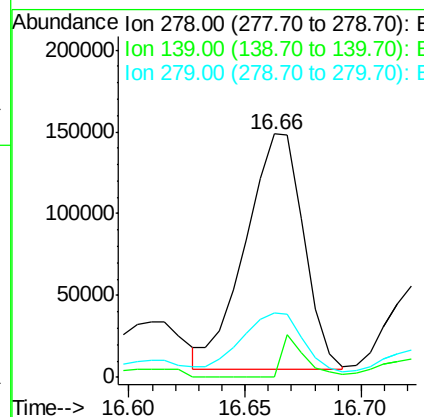
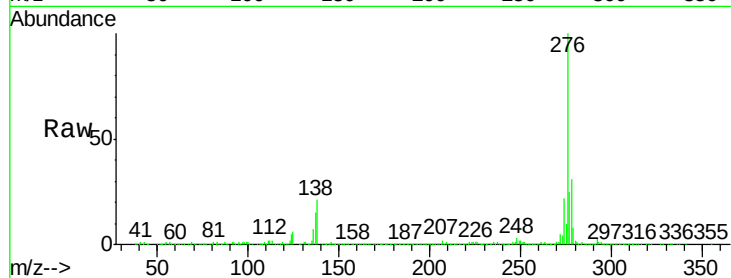
ClientSampleId :

B-6(4-5)

Tgt Ion:	278	Resp:	251263
Ion Ratio	Lower	Upper	
278	100		
139	0.0	14.3	21.5#
279	26.5	19.4	29.0

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 36.185 ng

RT: 17.07 min Scan# 2547

Delta R.T. 0.04 min

Lab File: BF112782.D

Acq: 1 Mar 2019 00:54

Tgt Ion:	276	Resp:	877698
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	27.8
138	23.1	19.4	29.0

