

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
 Data File : BF099198.D
 Acq On : 7 Oct 2017 17:03
 Operator : SJ/JU
 Sample : I5678-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100417

Manual Integrations
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Sohil
 10/9/2017 6:34:13 PM

Quant Time: Oct 08 04:39:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Oct 08 03:54:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	132916	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	520588	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	194986	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	291781	20.00	ng	0.00
75) Chrysene-d12	14.03	240	241689	20.00	ng	0.00
86) Perylene-d12	15.51	264	187266	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	210806	25.25	ng	0.00
7) Phenol-d6	6.49	99	248890	24.16	ng	0.00
23) Nitrobenzene-d5	7.42	82	133730	16.47	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	32169	20.16	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	261313	22.37	ng	0.00
78) Terphenyl-d14	12.97	244	178366	16.78	ng	0.00
Target Compounds						
31) Naphthalene	8.17	128	49421	2.021	ng	99
37) 2-Methylnaphthalene	8.86	142	50282	3.163	ng	98
49) Dimethylphthalate	9.61	163	36603	2.487	ng	98
51) Acenaphthene	9.93	154	68446	5.610	ng	98
54) Dibenzofuran	10.10	168	76109	4.685	ng	98
57) Fluorene	10.45	166	103799	7.950	ng	98
70) Phenanthrene	11.42	178	451653	28.918	ng	98
71) Anthracene	11.46	178	97321	6.090	ng	99
72) Carbazole	11.62	167	48032	3.069	ng	98
74) Fluoranthene	12.60	202	356709	22.555	ng	97
77) Pyrene	12.83	202	330682	17.943	ng	99
80) Benzo(a)anthracene	14.02	228	124505	8.507	ng	99
82) Chrysene	14.05	228	116760	8.380	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	37219	3.339	ng	99
87) Benzo(b)fluoranthene	15.07	252	110739m	9.618	ng	
88) Benzo(k)fluoranthene	15.10	252	30024m	2.640	ng	
89) Benzo(a)pyrene	15.44	252	73424	6.947	ng	# 91
91) Benzo(g,h,i)perylene	17.44	276	36929	4.417	ng	# 89

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

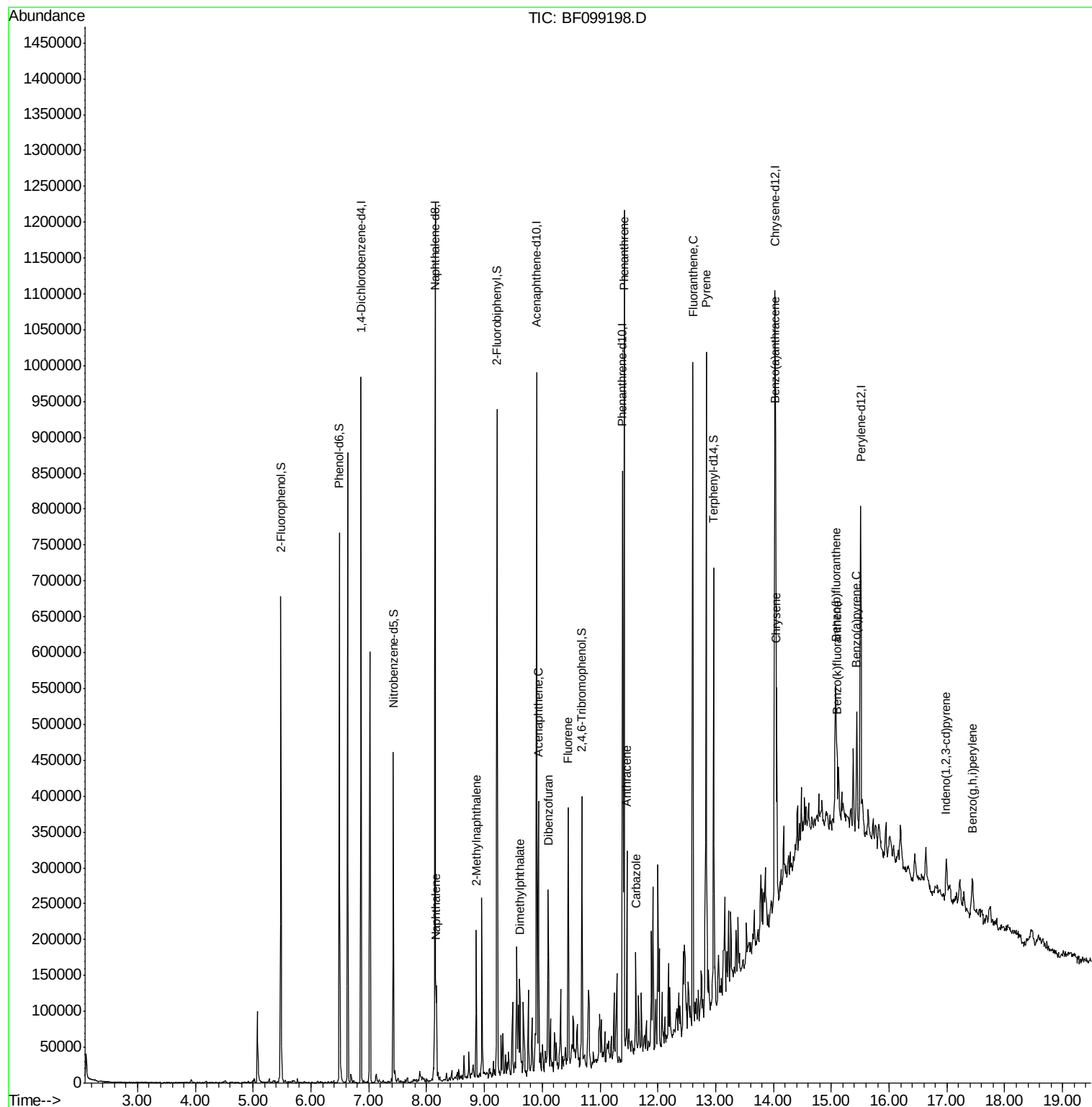
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100717\
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ALS Vial : 15 Sample Multiplier: 1

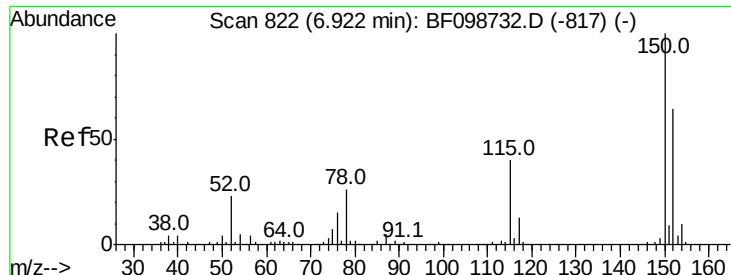
Instrument :
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OR-03-100417

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#1

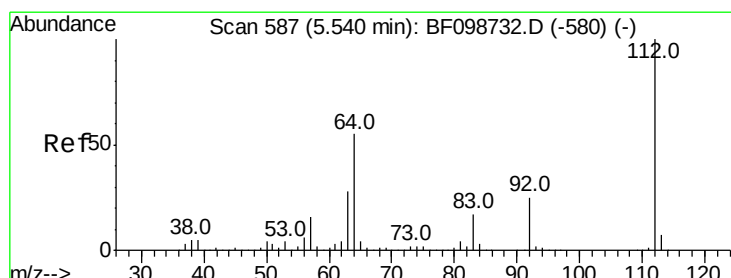
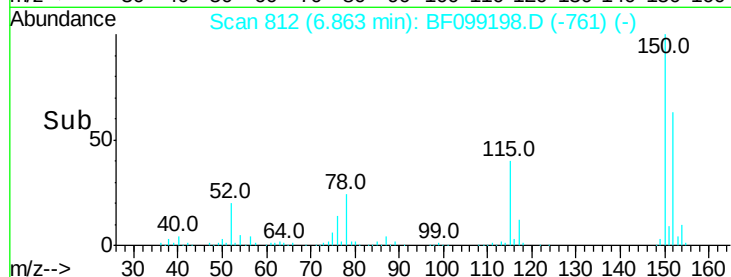
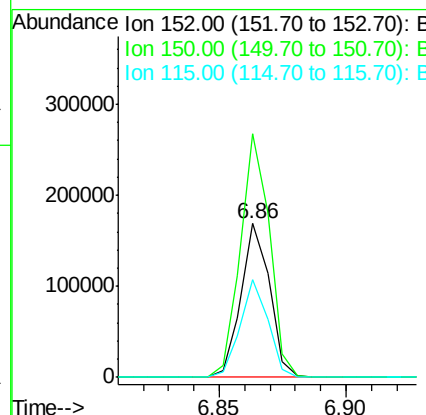
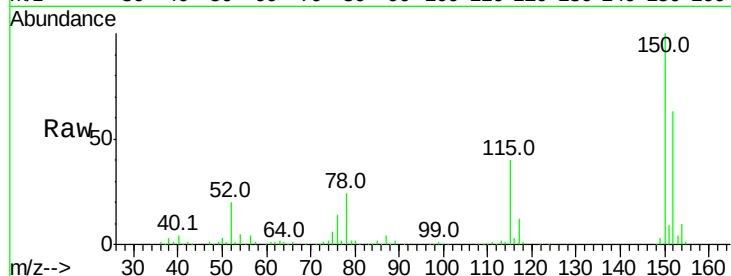
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	63.3	50.1	75.1

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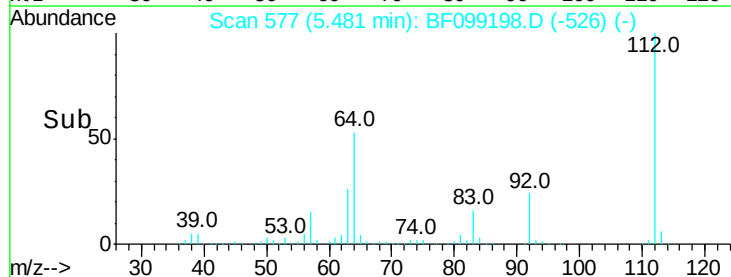
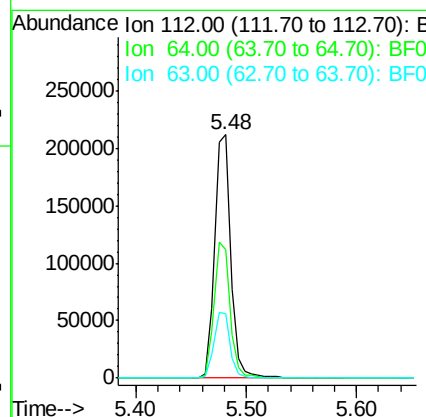
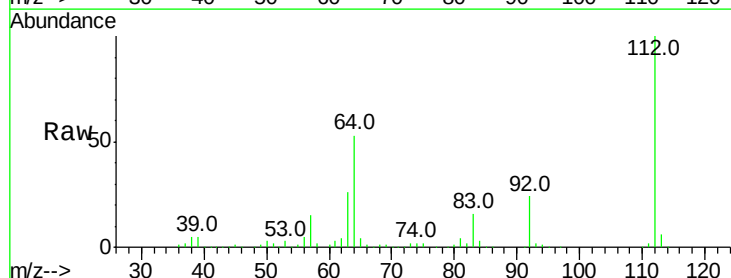
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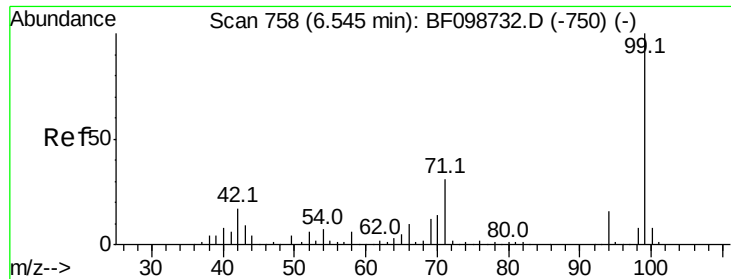


#5

2-Fluorophenol
Concen: 25.248 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	47.9	71.9
63	26.5	23.7	35.5





#7

Phenol-d6

Concen: 24.164 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099198.D

Acq: 7 Oct 2017 17:03

Instrument :

BNA_F

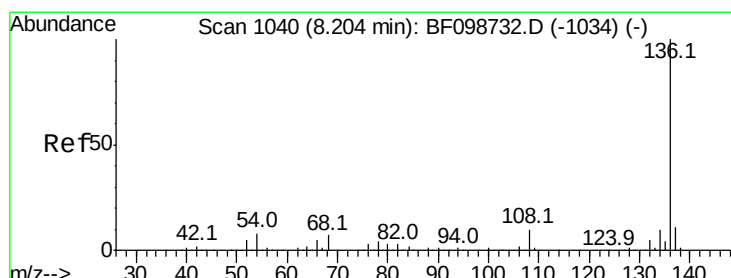
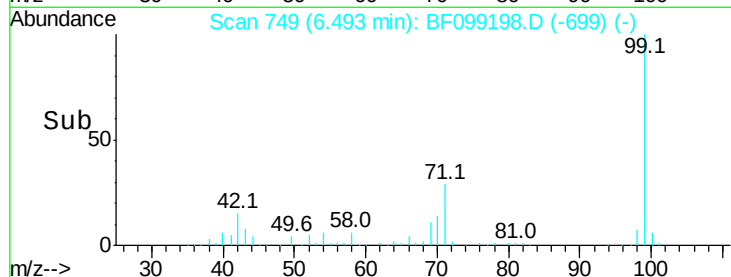
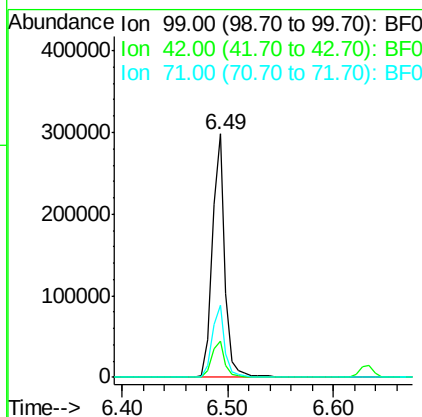
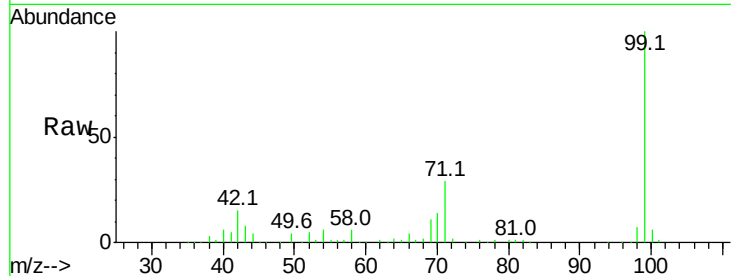
ClientSampleId :

OR-03-100417

Tot Ion:	99	Resp:	248890
Ion	Ratio	Lower	Upper
99	100		
42	15.0	14.5	21.7
71	29.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

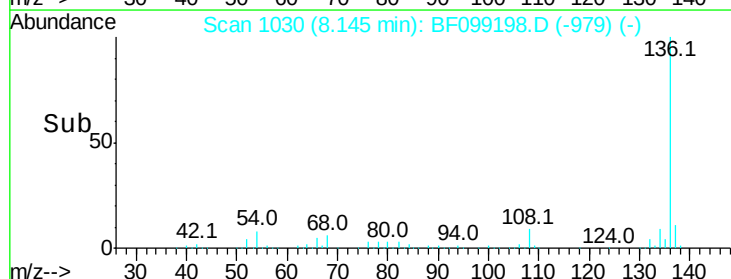
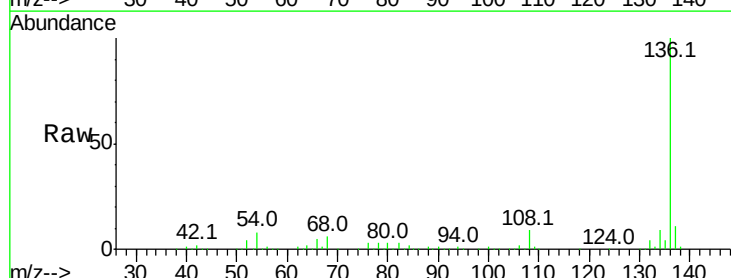
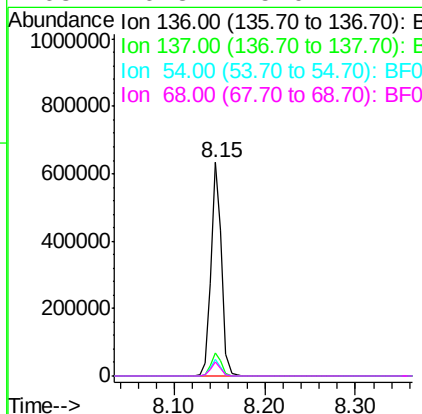
RT: 8.15 min Scan# 1030

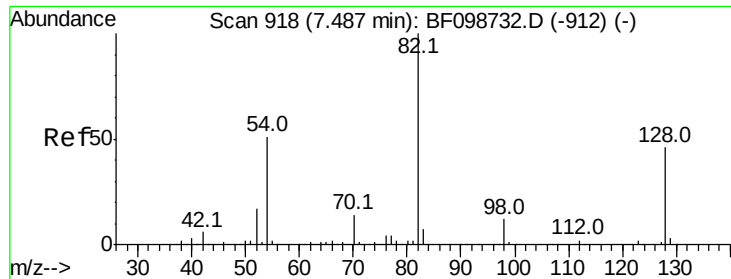
Delta R.T. 0.00 min

Lab File: BF099198.D

Acq: 7 Oct 2017 17:03

Tgt Ion:	136	Resp:	520588
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.6	6.6	9.8
68	6.3	5.0	7.4





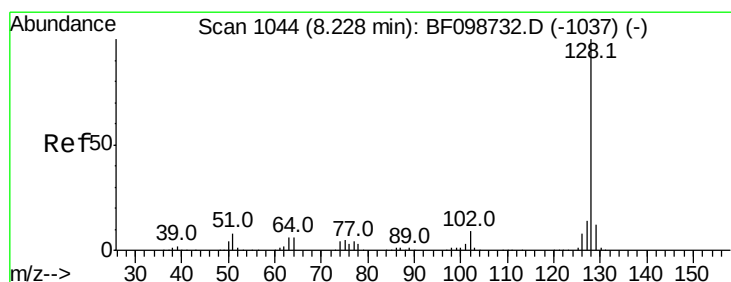
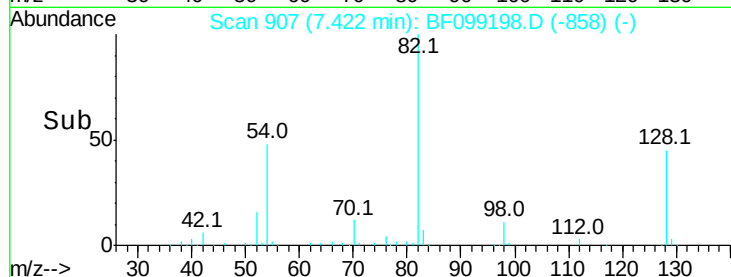
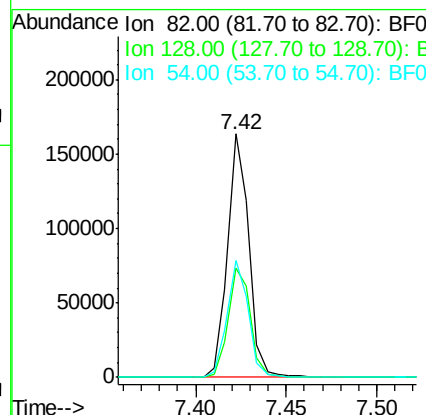
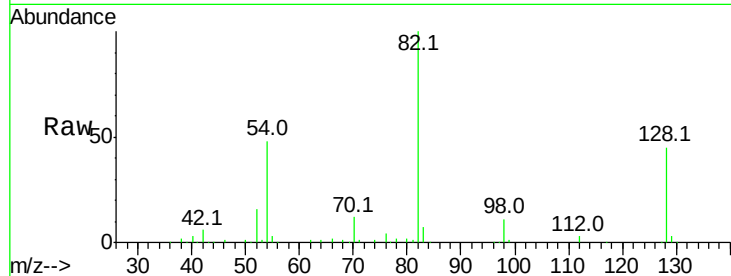
#23
Nitrobenzene-d5
Concen: 16.474 ng
RT: 7.42 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	48.2	41.4	62.2

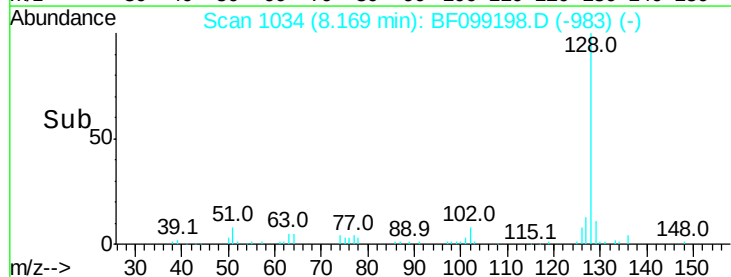
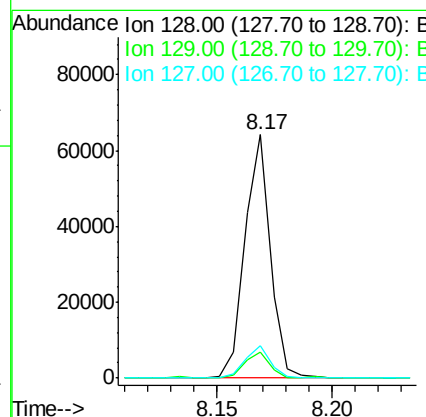
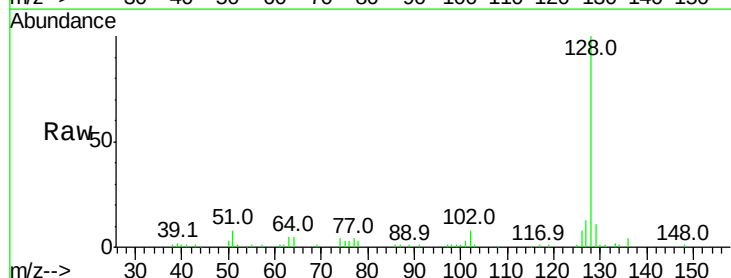
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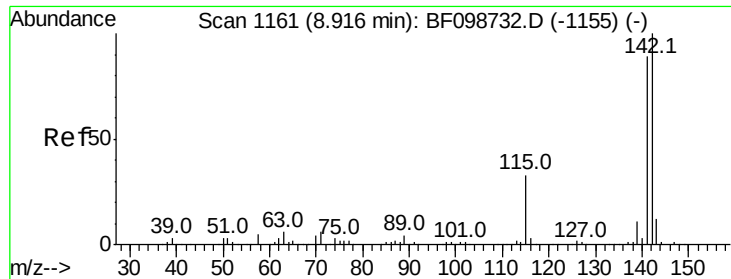
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#31
Naphthalene
Concen: 2.021 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.4	10.9	16.3





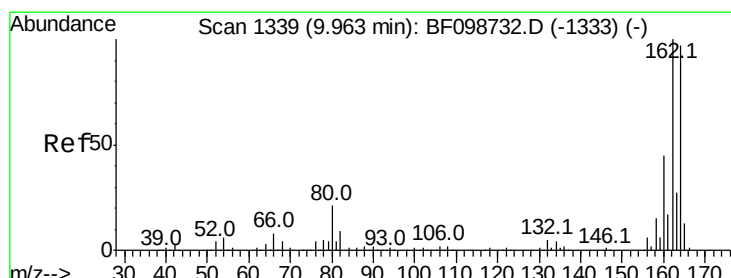
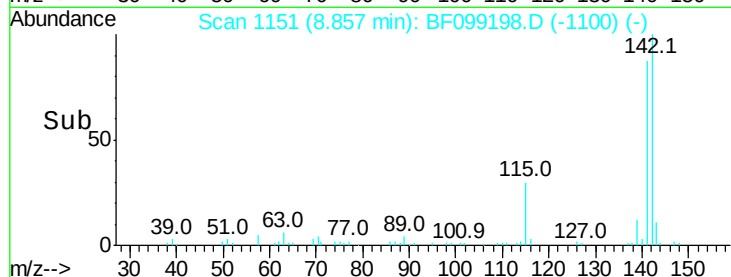
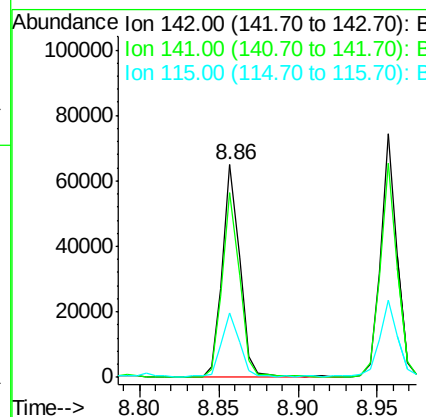
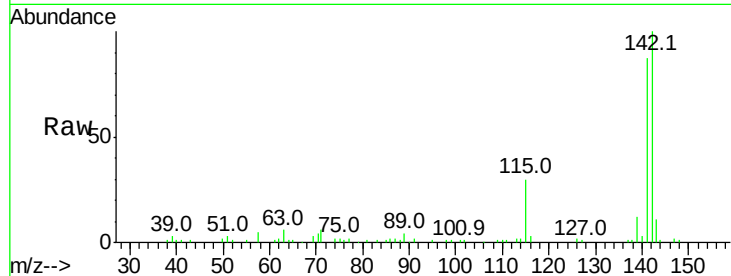
#37
 2-Methylnaphthalene
 Concen: 3.163 ng
 RT: 8.86 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BF099198.D
 Acq: 7 Oct 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100417

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.8	106.2
115	30.0	26.1	39.1

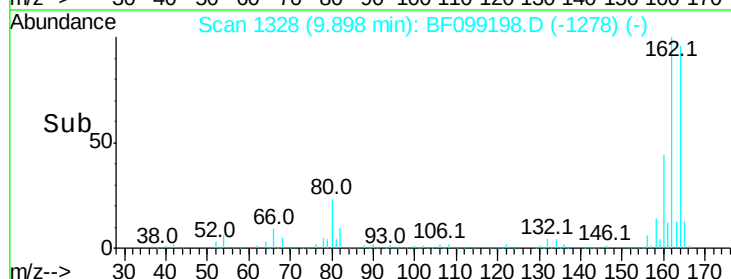
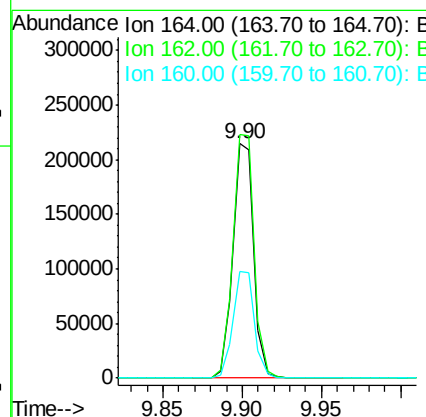
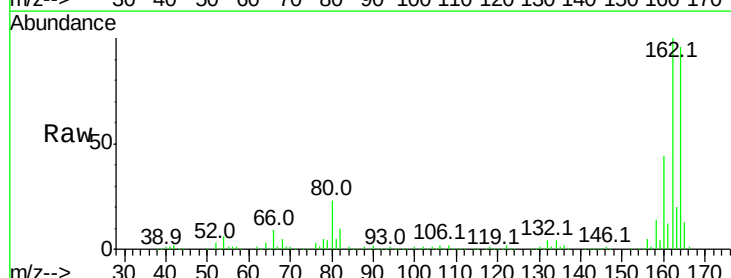
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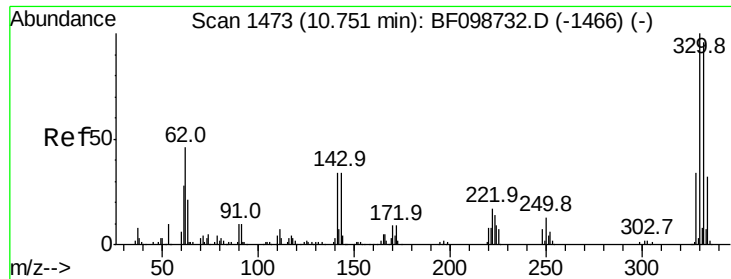
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.01 min
 Lab File: BF099198.D
 Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	45.7	38.3	57.5





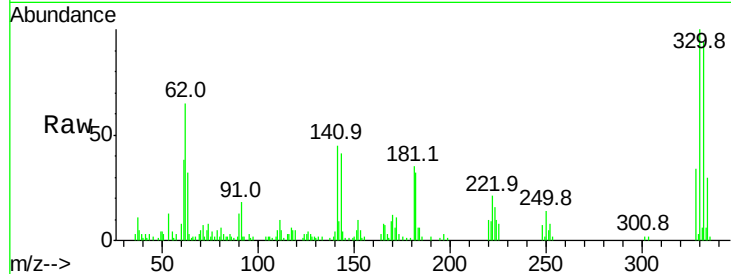
#41
 2,4,6-Tribromophenol
 Concen: 20.162 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF099198.D
 Acq: 7 Oct 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100417

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	49.4	29.9	44.9

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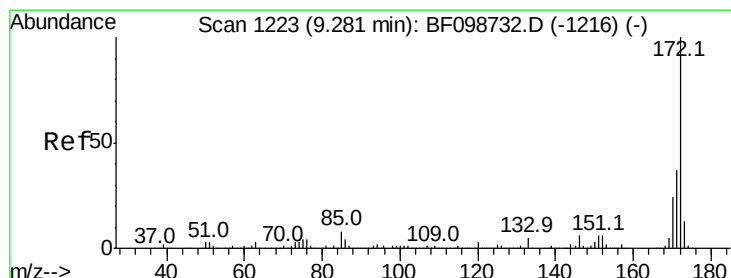
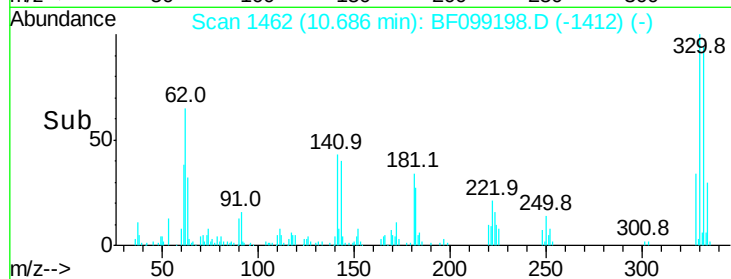
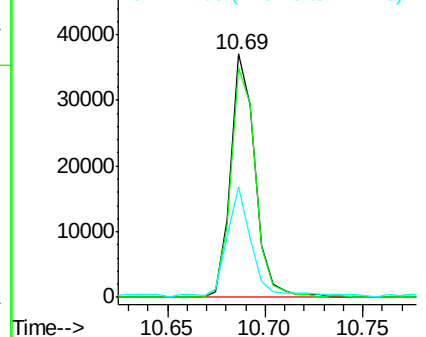


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 22.373 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF099198.D
 Acq: 7 Oct 2017 17:03

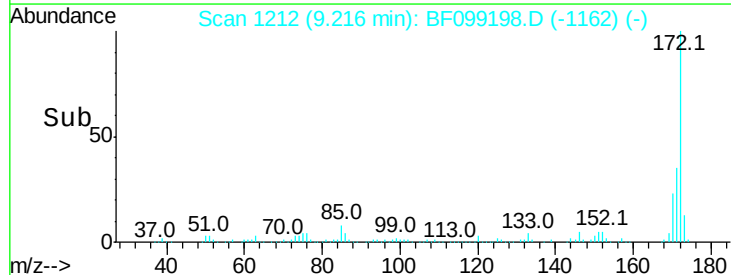
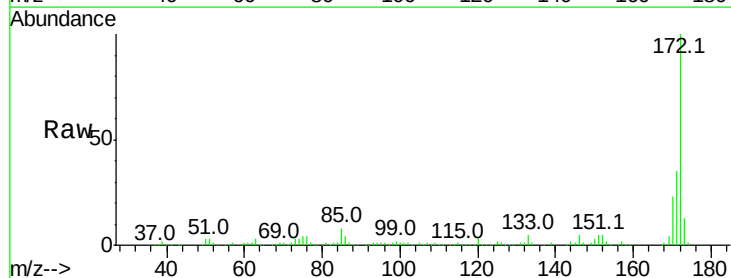
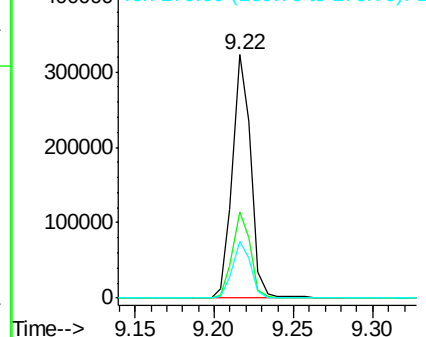
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.4	19.6	29.4

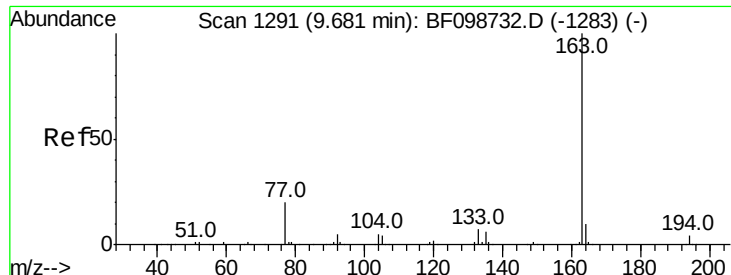
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





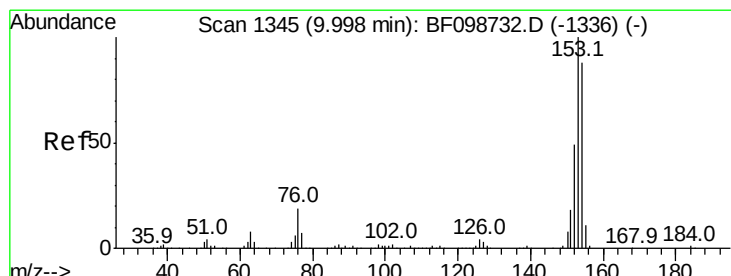
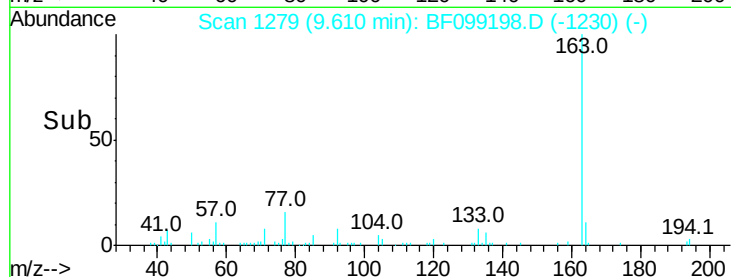
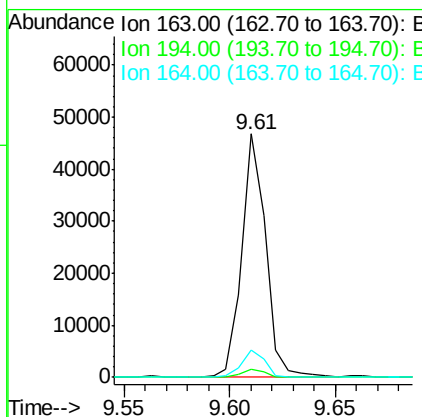
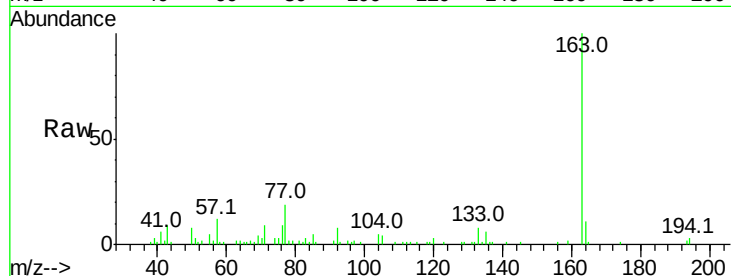
#49
Dimethylphthalate
Concen: 2.487 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.01 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.7	4.1	
164	11.0	8.2	12.2	

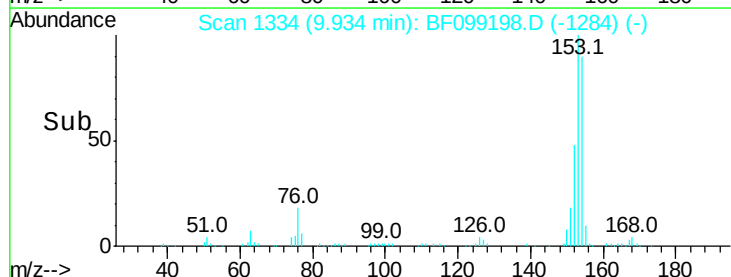
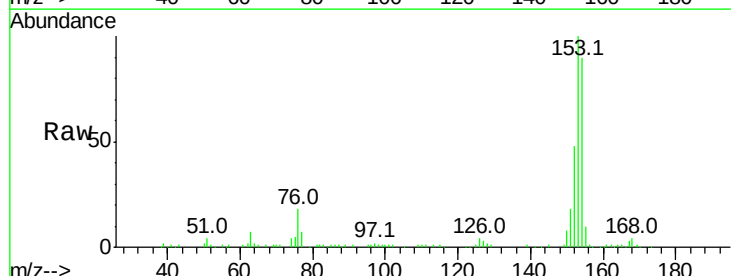
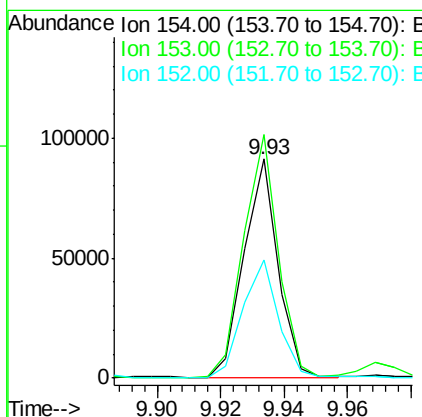
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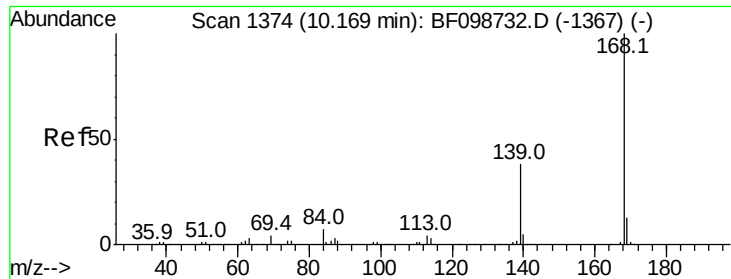
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#51
Acenaphthene
Concen: 5.610 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.01 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.1	91.2	136.8	
152	53.9	43.8	65.8	





#54

Dibenzofuran

Concen: 4.685 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF099198.D

Acq: 7 Oct 2017 17:03

Instrument :

BNA_F

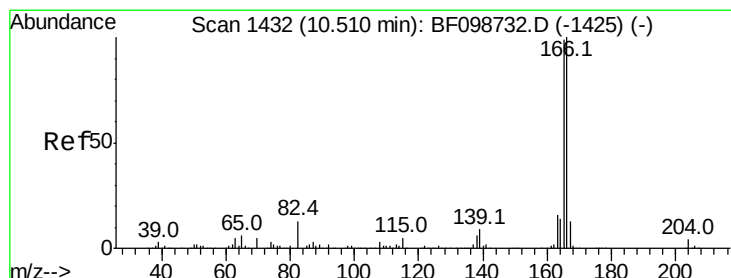
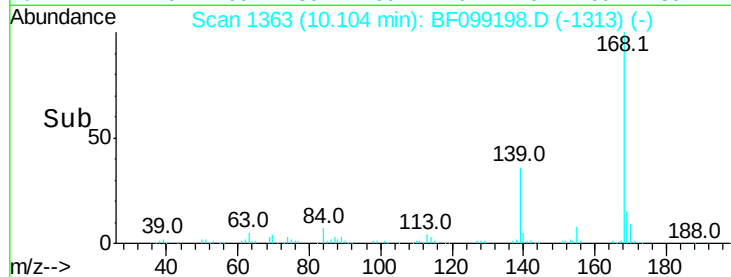
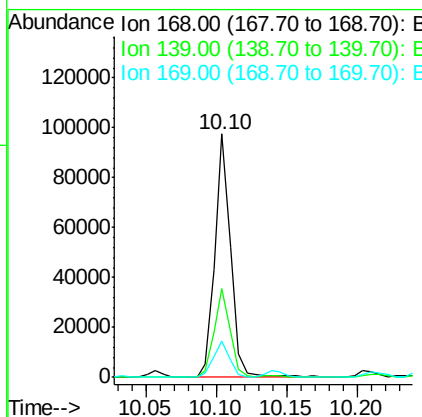
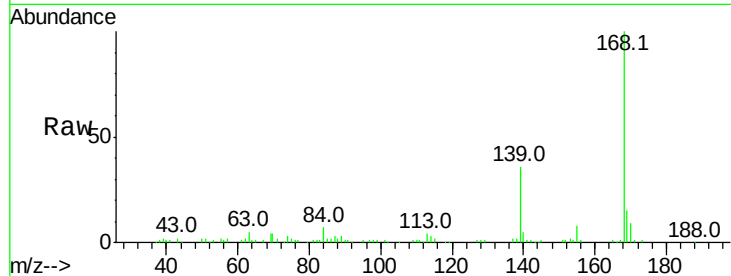
ClientSampleId :

OR-03-100417

Tot Ion:168	Resp:	76109
Ion Ratio	Lower	Upper
168	100	
139	36.3	30.1 45.1
169	14.8	10.9 16.3

Manual Integrations
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#57

Fluorene

Concen: 7.950 ng

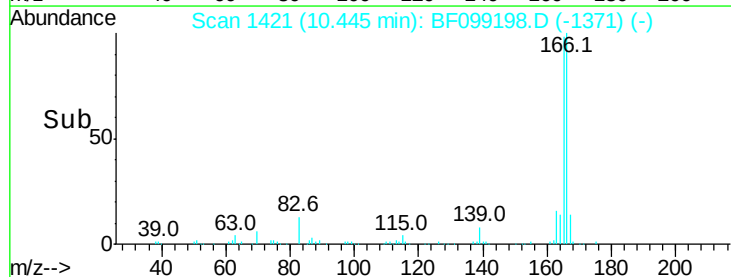
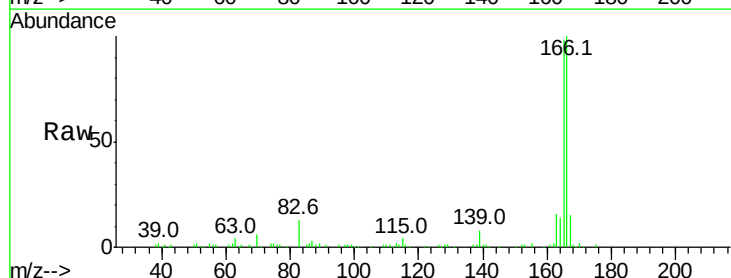
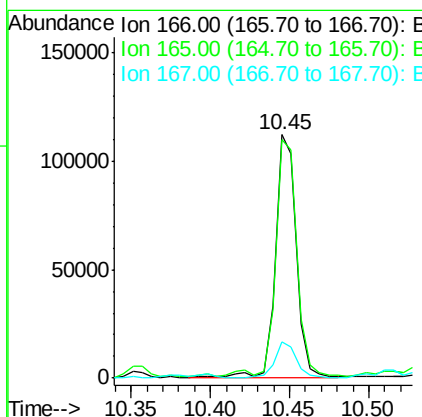
RT: 10.45 min Scan# 1421

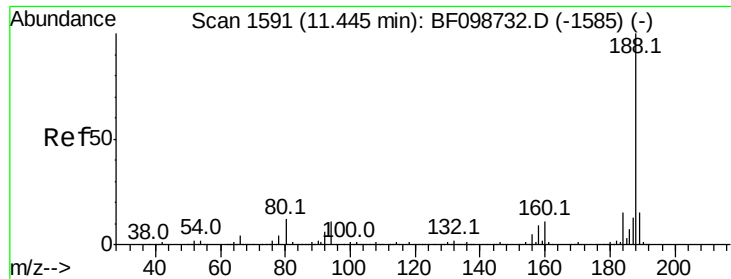
Delta R.T. -0.01 min

Lab File: BF099198.D

Acq: 7 Oct 2017 17:03

Tgt Ion:166	Resp:	103799
Ion Ratio	Lower	Upper
166	100	
165	97.9	79.8 119.8
167	14.7	10.6 16.0





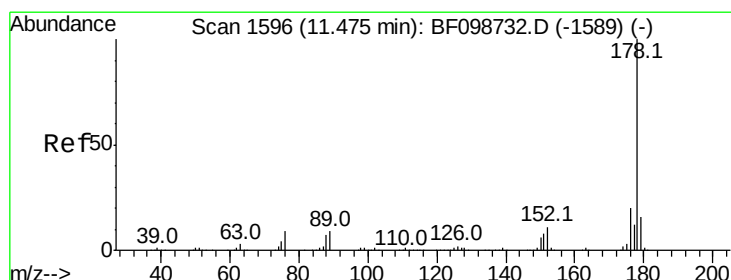
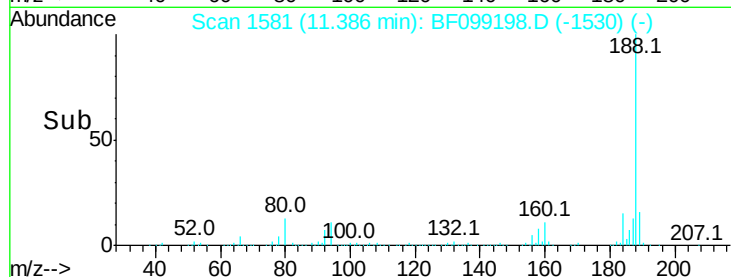
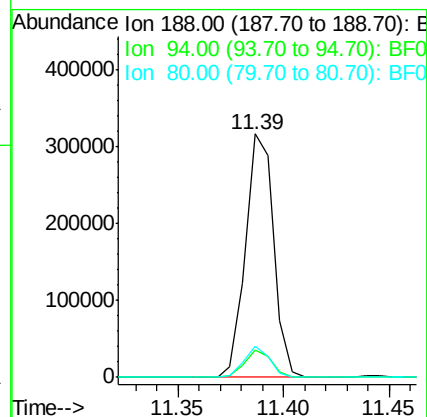
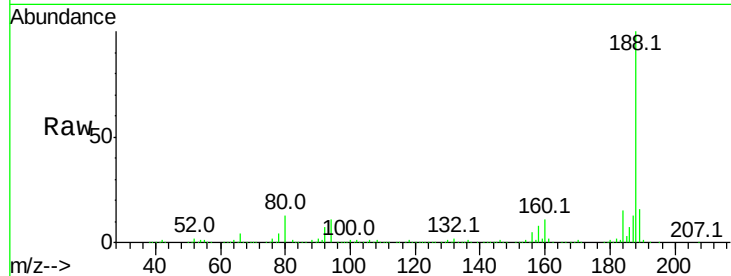
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Tot Ion	Ratio	Resp	Lower	Upper
188	100	291781		
94	11.4		8.5	12.7
80	12.8		9.2	13.8

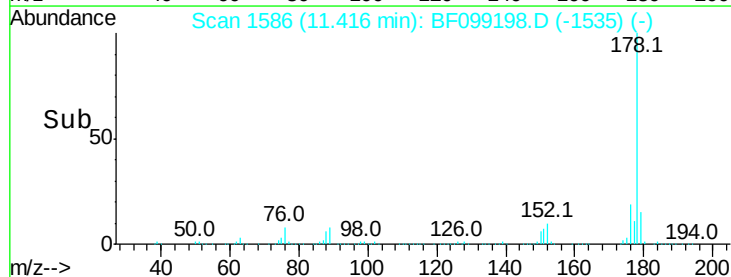
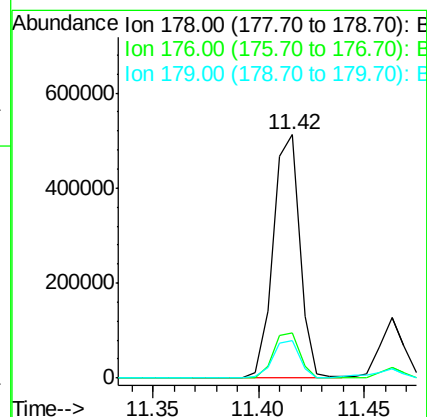
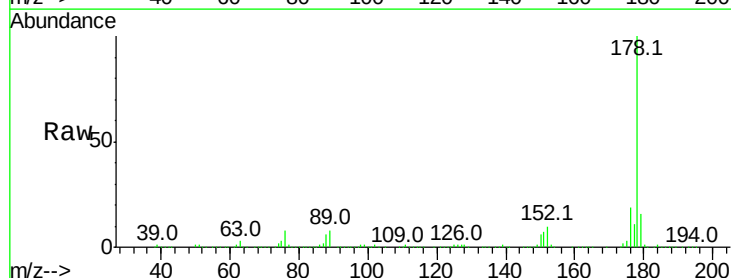
Manual Integrations
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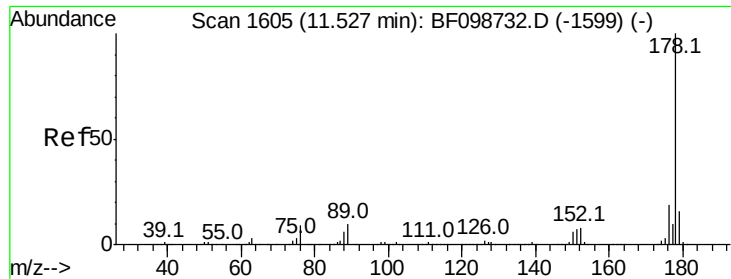
Sohil
10/9/2017 6:34:13 PM



#70
Phenanthrene
Concen: 28.918 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	451653		
176	18.7		15.8	23.8
179	15.5		13.0	19.6





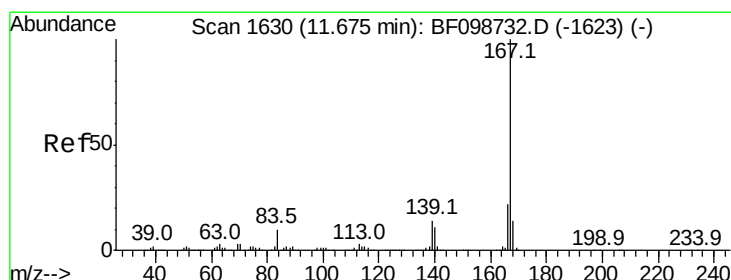
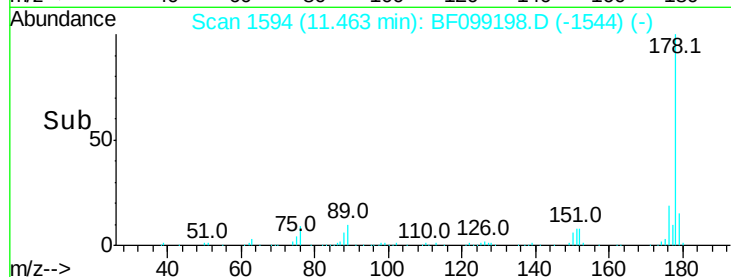
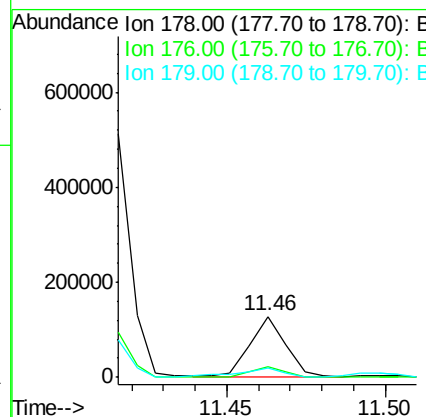
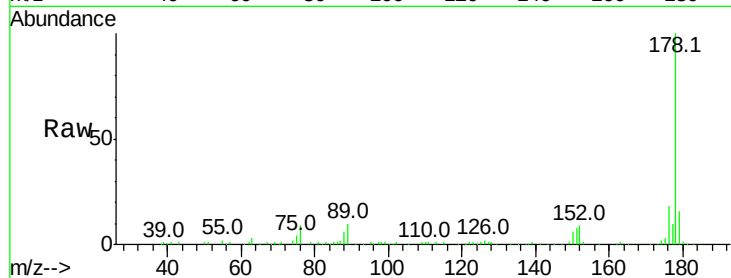
#71
 Anthracene
 Concen: 6.090 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF099198.D
 Acq: 7 Oct 2017 17:03

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-100417

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.5	12.6	19.0

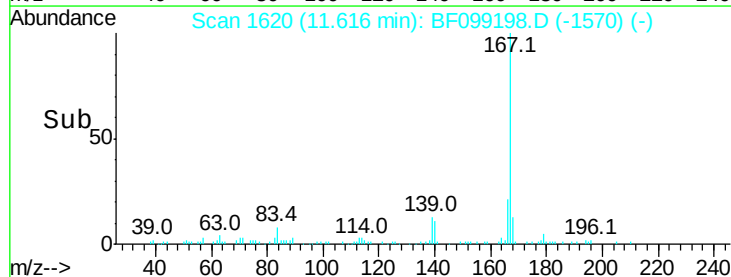
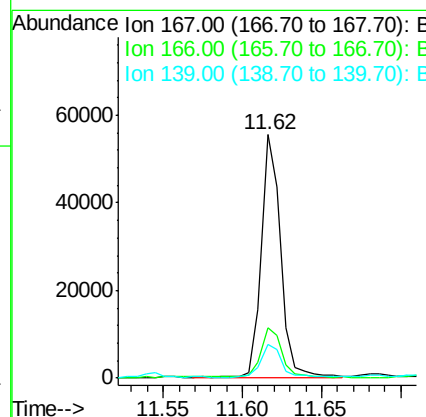
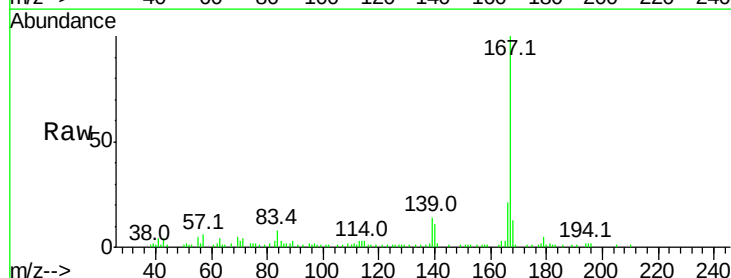
Manual Integrations
 APPROVED

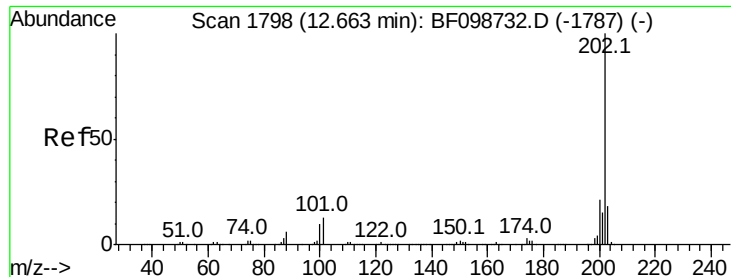
Sohil
 10/9/2017 6:34:13 PM



#72
 Carbazole
 Concen: 3.069 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.01 min
 Lab File: BF099198.D
 Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.6	26.4
139	13.9	10.9	16.3





#74

Fluoranthene

Concen: 22.555 ng

RT: 12.60 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BF099198.D

Acq: 7 Oct 2017 17:03

Instrument :

BNA_F

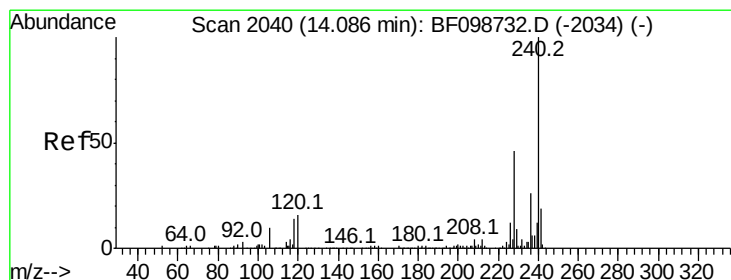
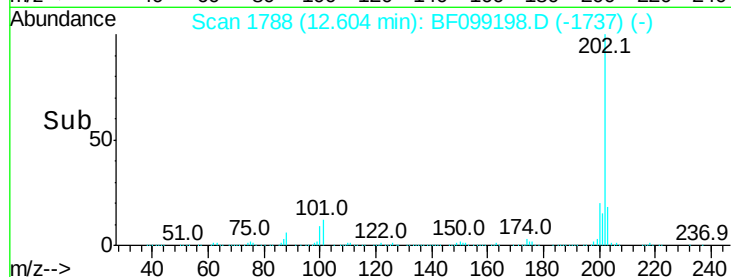
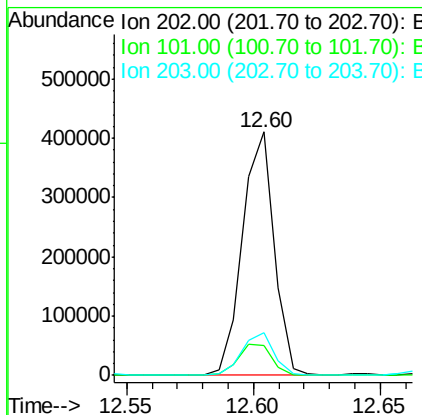
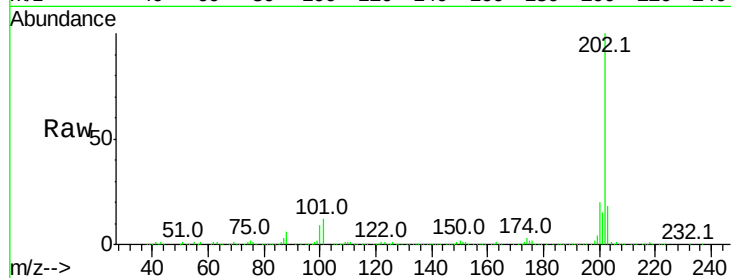
ClientSampleId :

OR-03-100417

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	34.1
203	17.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

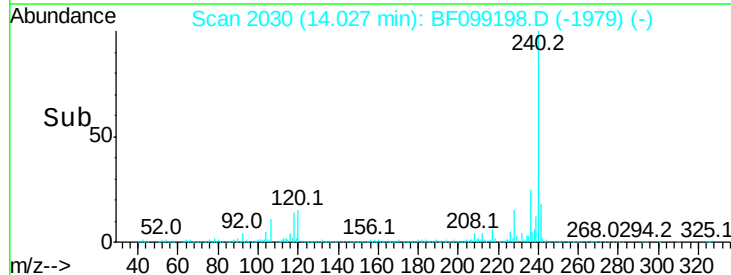
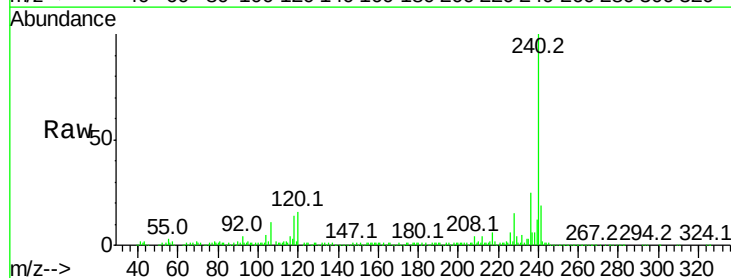
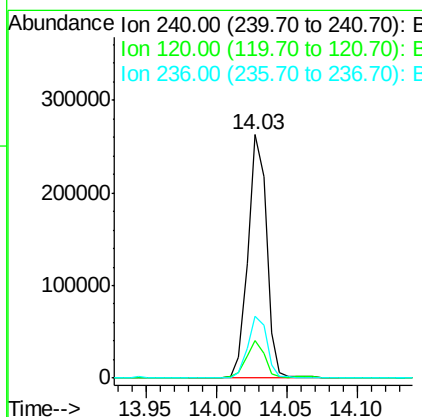
RT: 14.03 min Scan# 2030

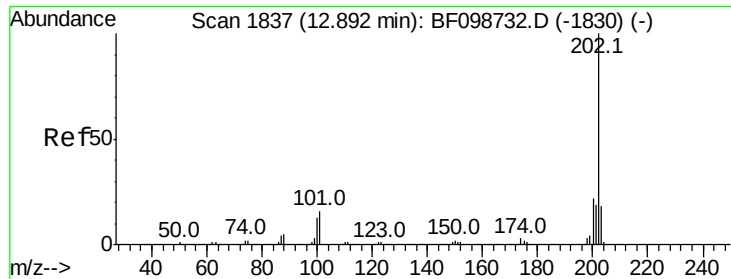
Delta R.T. 0.00 min

Lab File: BF099198.D

Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	25.2	20.7	31.1





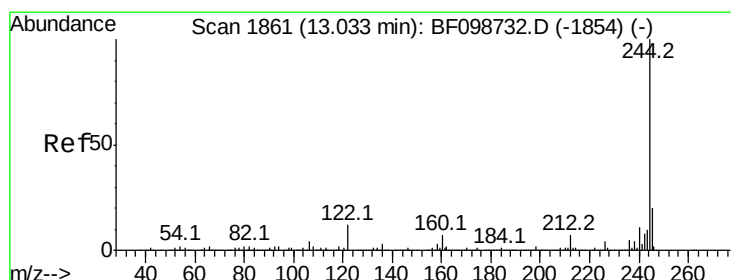
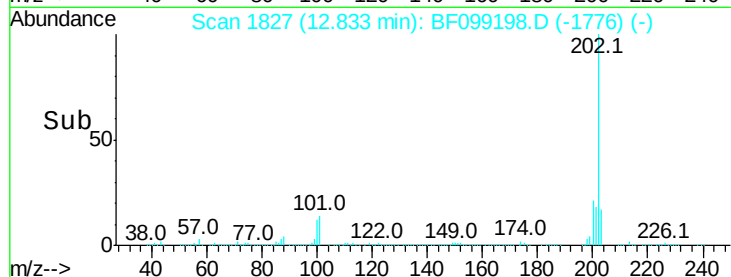
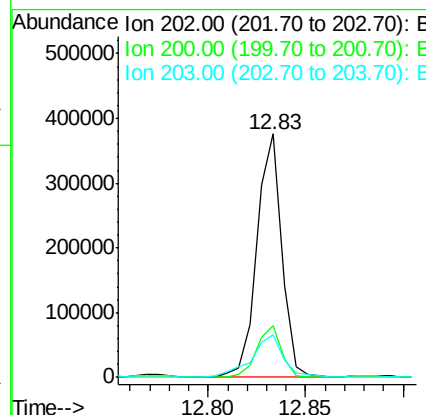
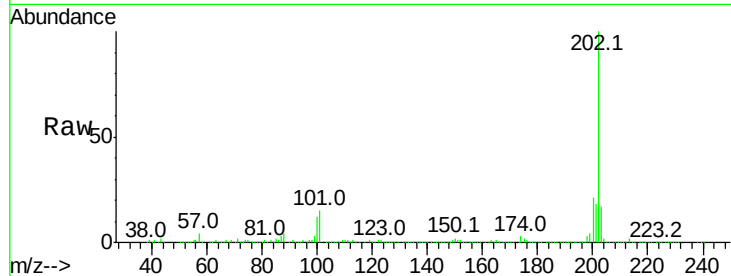
#77
Pvrene
Concen: 17.943 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.00 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.4	14.3	21.5

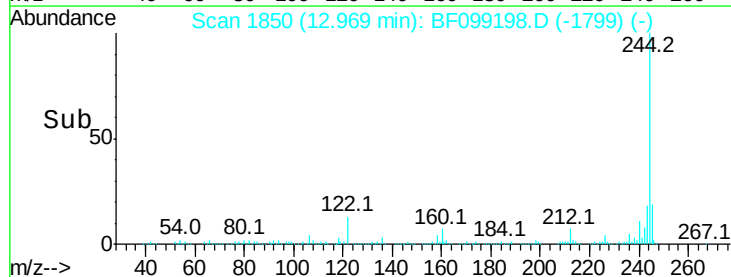
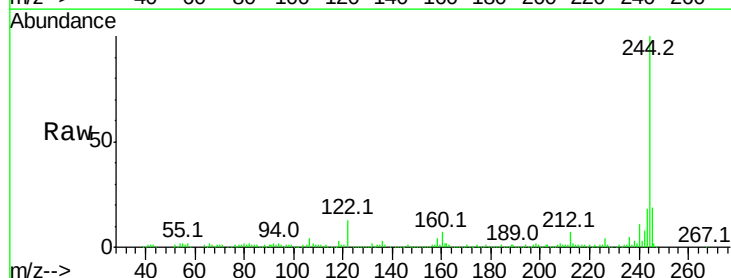
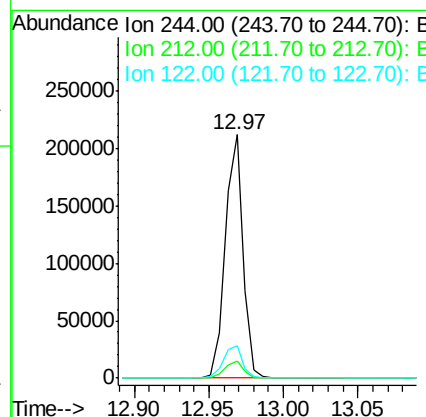
Manual Integrations
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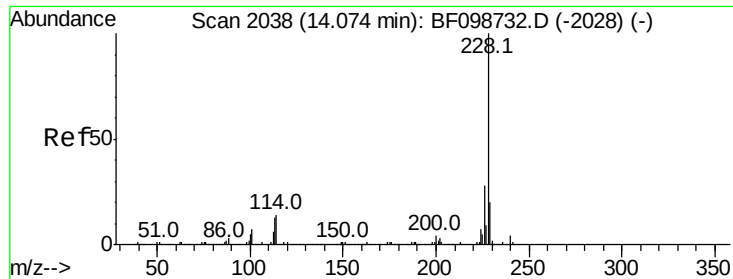
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#78
Terphenyl-d14
Concen: 16.784 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.4	11.0	16.4





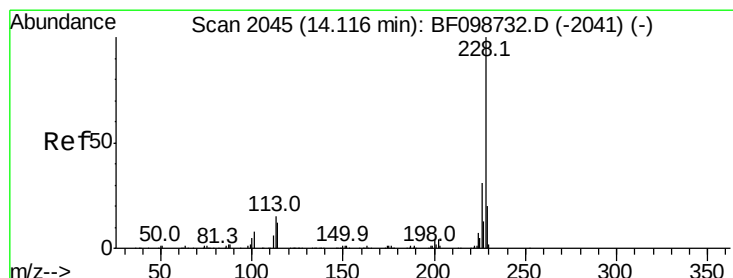
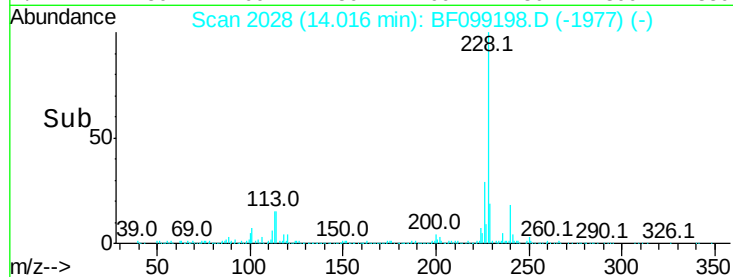
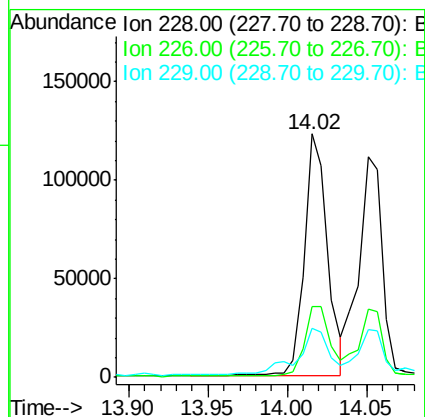
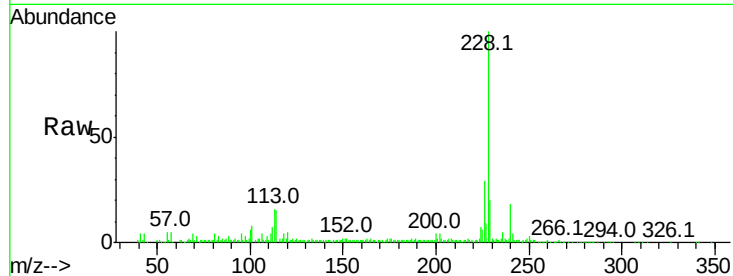
#80
Benzo(a)anthracene
Concen: 8.507 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.4	15.8	23.6

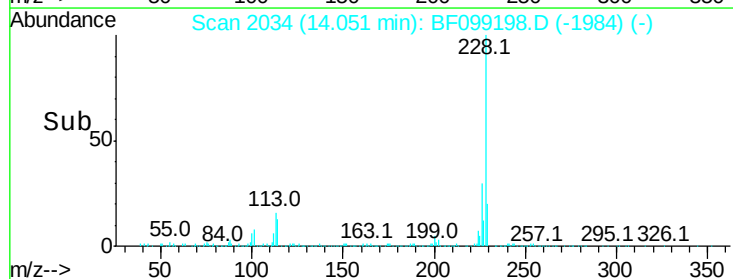
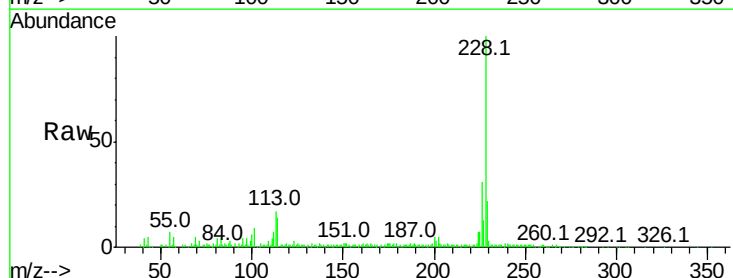
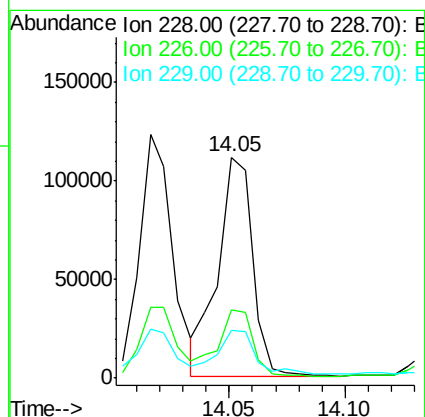
Manual Integrations
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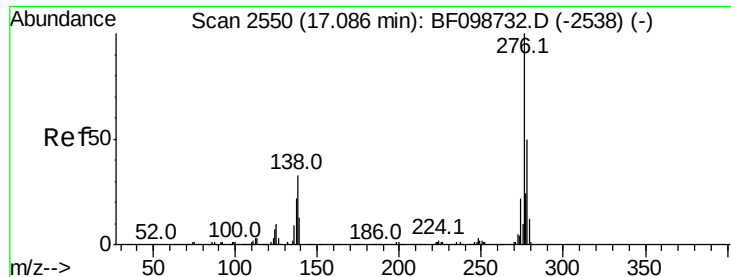
Sohil
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#82
Chrysene
Concen: 8.380 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.6	16.2	24.4





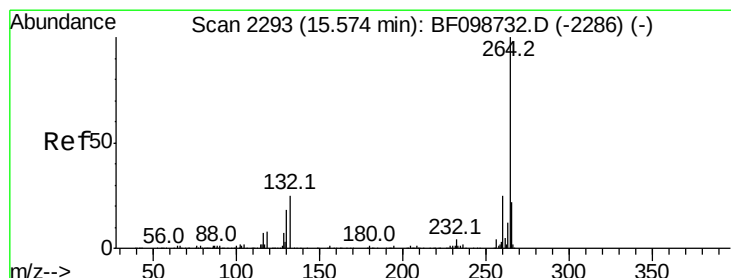
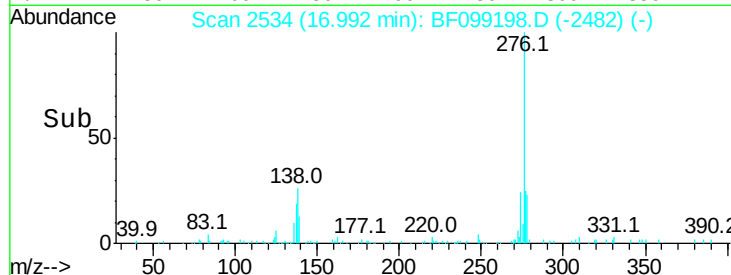
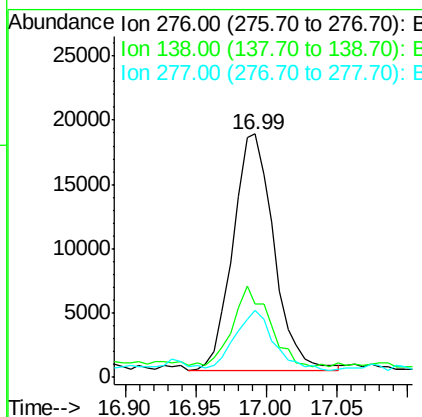
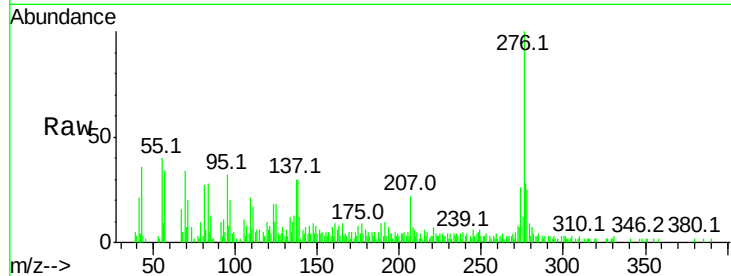
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.339 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.5	25.0	37.6
277	24.5	20.1	30.1

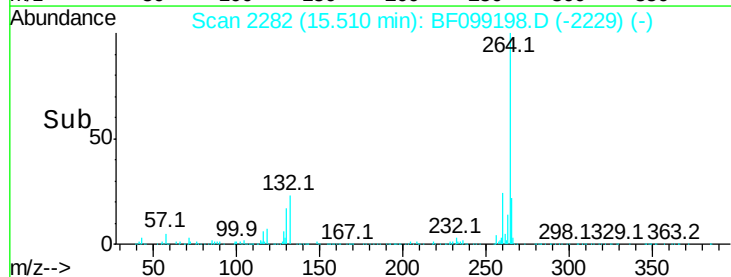
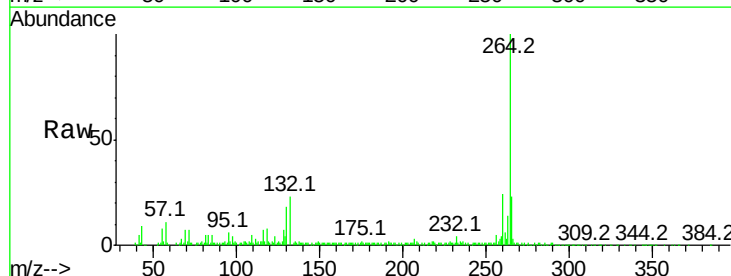
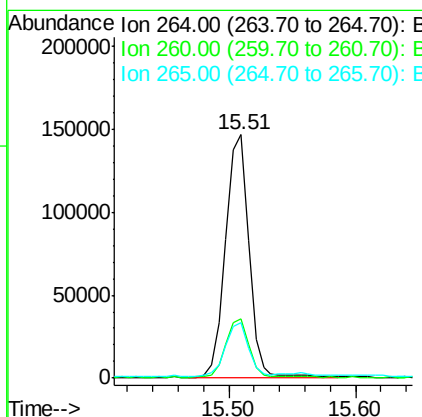
Manual Integrations
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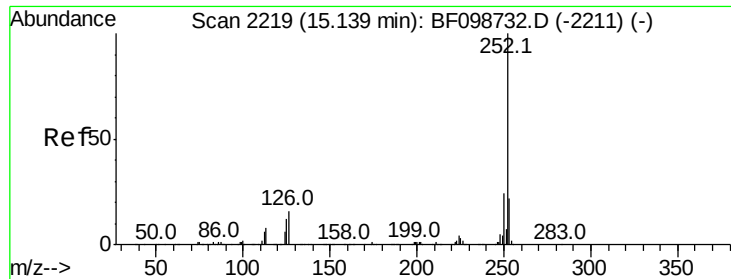
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.01 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.618 ng m

RT: 15.07 min Scan# 2208

Delta R.T. 0.01 min

Lab File: BF099198.D

Acq: 7 Oct 2017 17:03

Instrument :

BNA_F

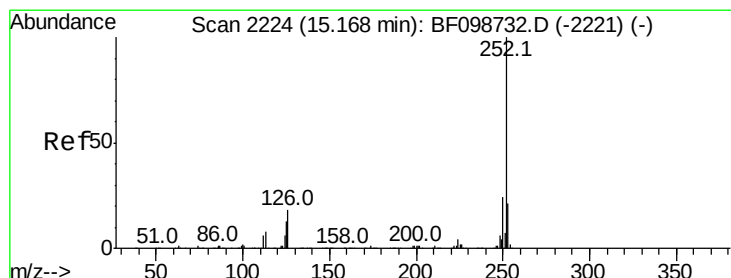
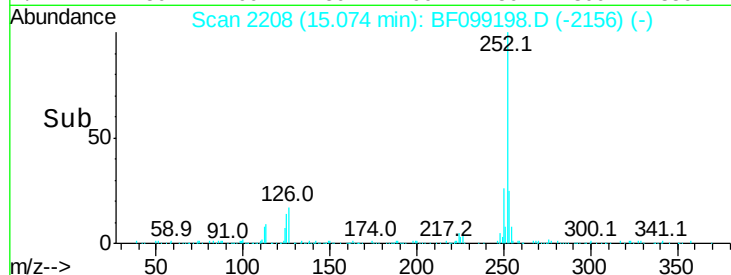
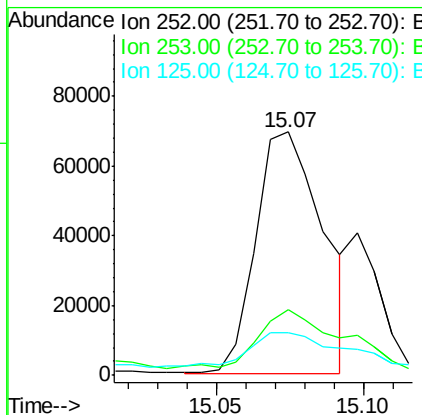
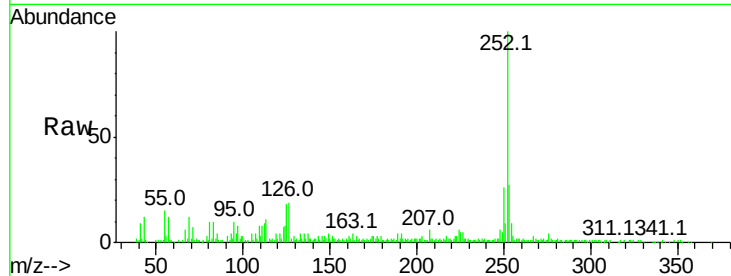
ClientSampleId :

OR-03-100417

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.0	25.6#
125	17.7	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.640 ng m

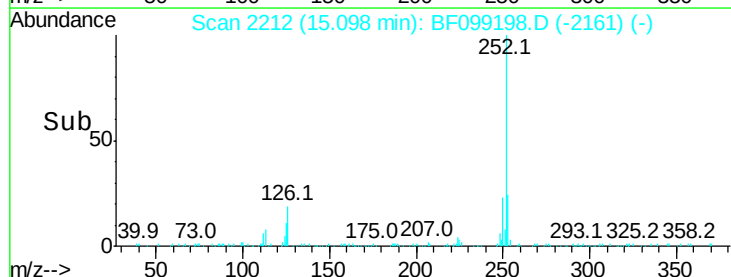
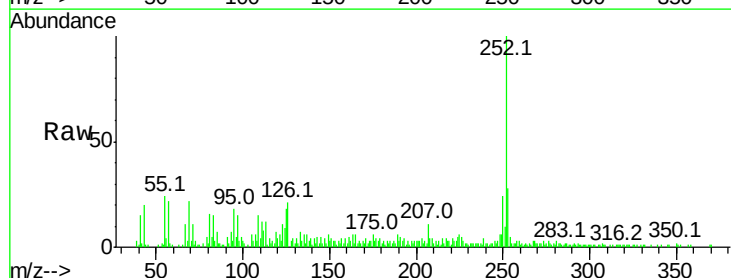
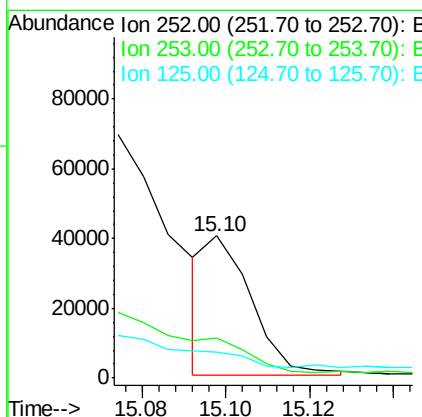
RT: 15.10 min Scan# 2212

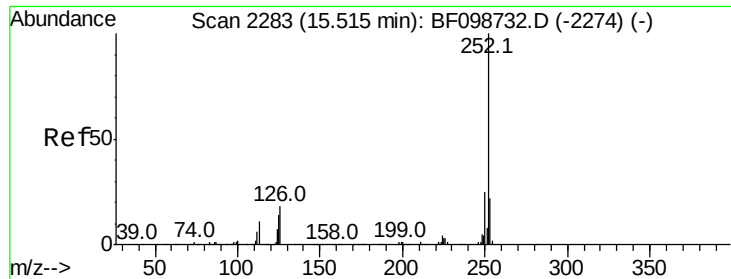
Delta R.T. 0.00 min

Lab File: BF099198.D

Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.9	26.9#
125	18.0	10.2	15.2#





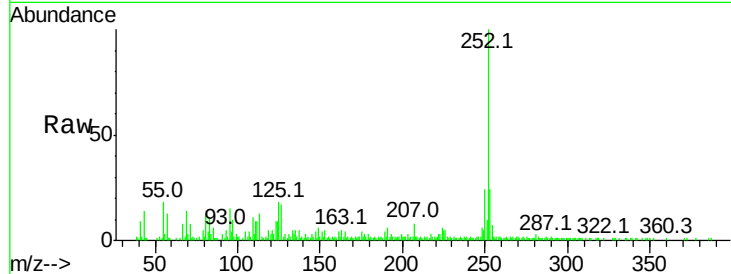
#89
Benzo(a)pyrene
Concen: 6.947 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Instrument :
BNA_F
ClientSampleId :
OR-03-100417

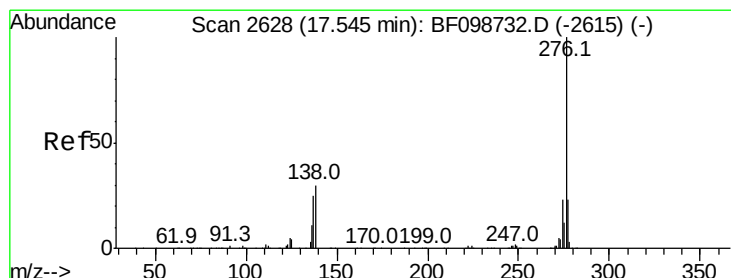
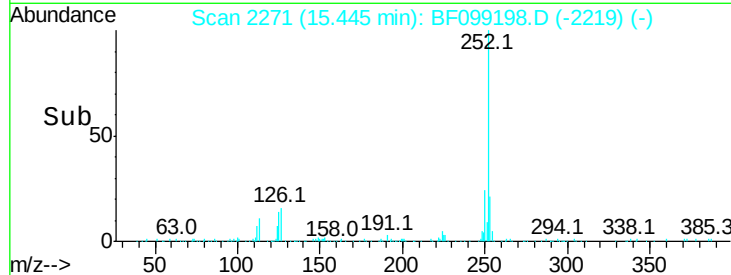
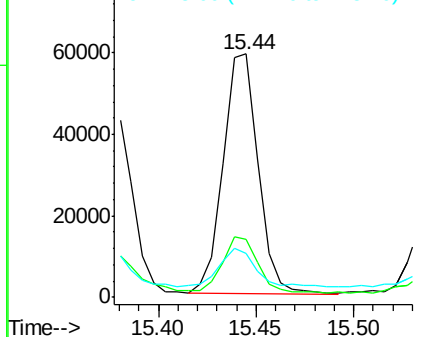
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	18.3	9.8	14.6

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.417 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.01 min
Lab File: BF099198.D
Acq: 7 Oct 2017 17:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9
138	33.8	21.8	32.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

