

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098194.D
 Acq On : 31 Aug 2017 10:16
 Operator : SJ/JU
 Sample : I4979-01DL 10X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1DL

Manual Integrations
 APPROVED

Sohil
 8/31/2017 7:13:47 PM

Quant Time: Aug 31 13:54:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	112556	20.00	ng	-0.02
21) Naphthalene-d8	8.02	136	405614	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	169879	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	279639	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	244649	20.00	ng	-0.02
86) Perylene-d12	15.29	264	167395	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	93409	12.62	ng	-0.02
7) Phenol-d6	6.36	99	128265	12.76	ng	-0.02
23) Nitrobenzene-d5	7.29	82	66697	8.93	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	13534m	9.18	ng	-0.02
44) 2-Fluorobiphenyl	9.09	172	86516	7.48	ng	-0.02
78) Terphenyl-d14	12.82	244	66897	5.70	ng	-0.03
Target Compounds						
31) Naphthalene	8.05	128	2930086	139.147	ng	99
37) 2-Methylnaphthalene	8.74	142	2423852	187.748	ng	98
45) 1,1'-Biphenyl	9.19	154	726948	46.926	ng	95
49) Dimethylphthalate	9.48	163	31078	2.503	ng	# 94
51) Acenaphthene	9.80	154	910134	80.285	ng	97
54) Dibenzofuran	9.97	168	1040098	68.458	ng	98
57) Fluorene	10.32	166	740584	63.047	ng	97
70) Phenanthrene	11.27	178	1388117	93.155	ng	99
71) Anthracene	11.32	178	378931	25.072	ng	100
74) Fluoranthene	12.46	202	448471	28.834	ng	99
77) Pyrene	12.68	202	351774	17.580	ng	97
80) Benzo(a)anthracene	13.86	228	50053	3.414	ng	96
82) Chrysene	13.90	228	40381	2.768	ng	96

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

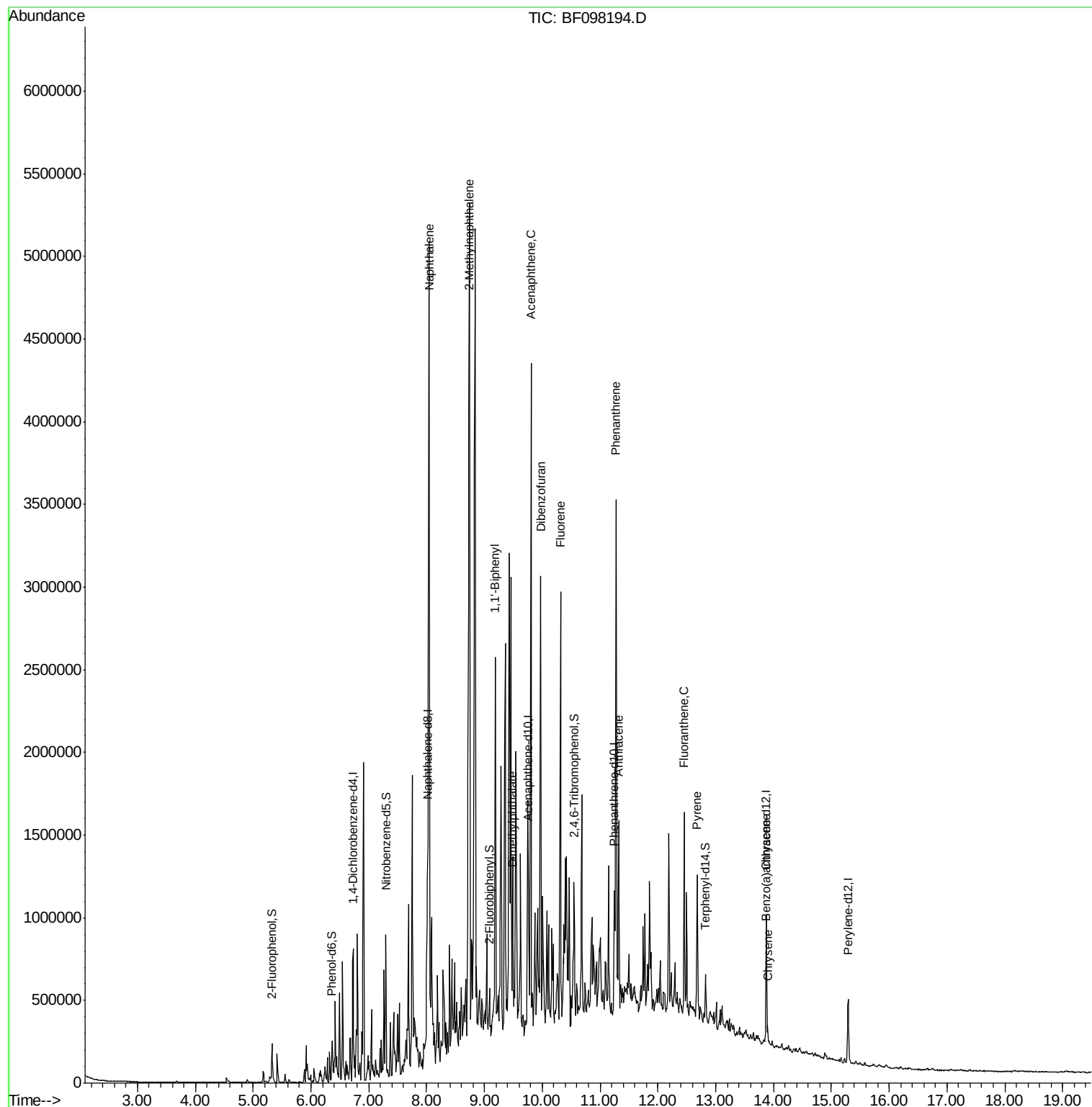
Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
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ALS Vial : 35 Sample Multiplier: 1

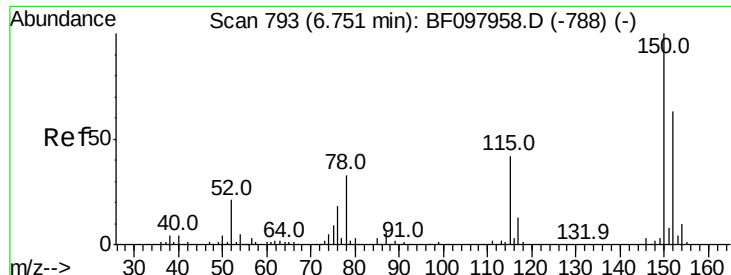
Instrument :
BNA_F
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TP-1DL

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

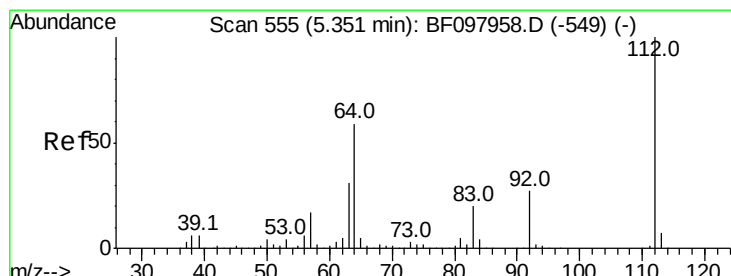
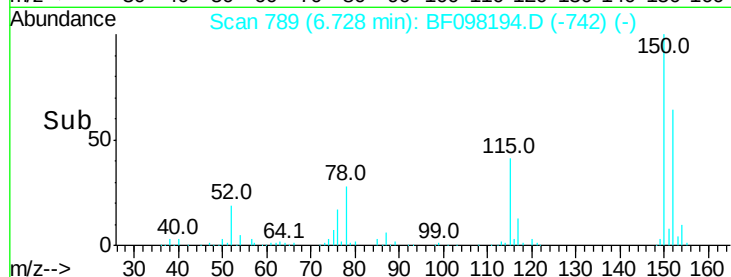
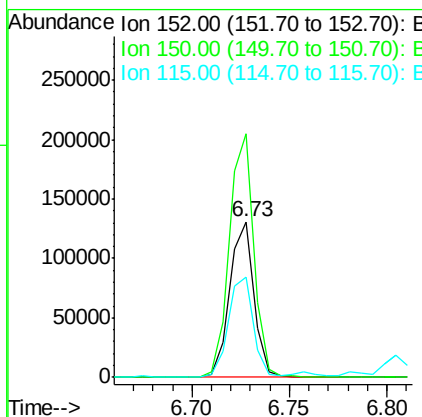
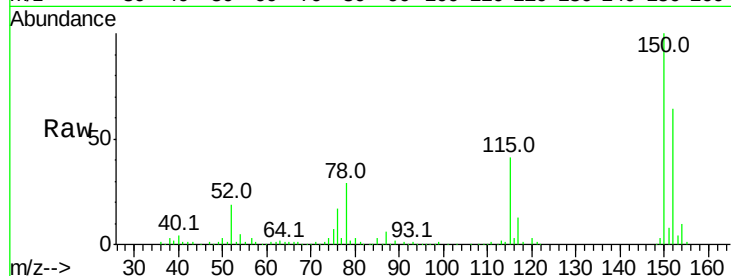
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Instrument :
BNA_F
ClientSampled :
TP-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.2	189.2
115	64.0	52.2	78.2

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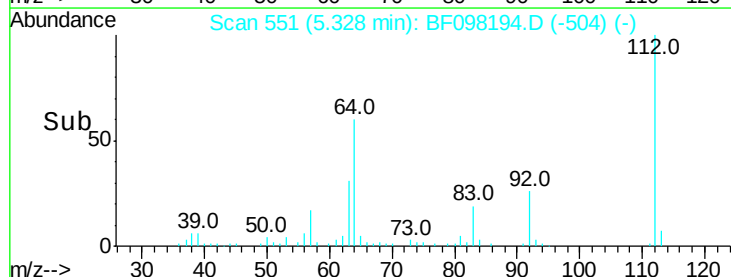
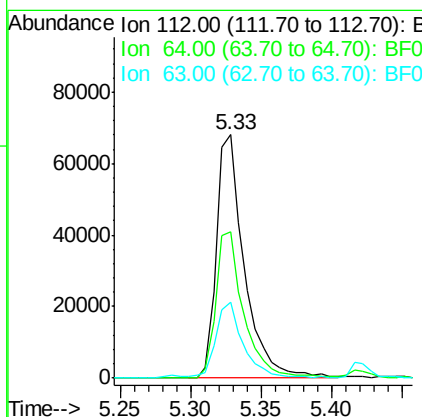
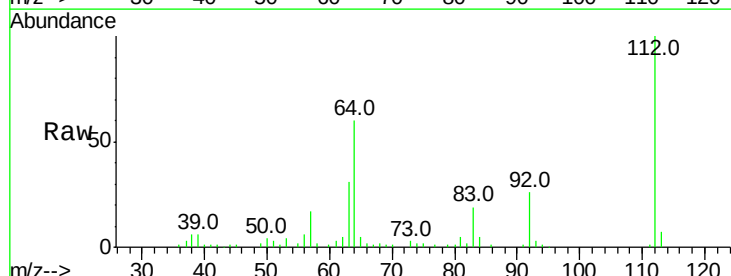
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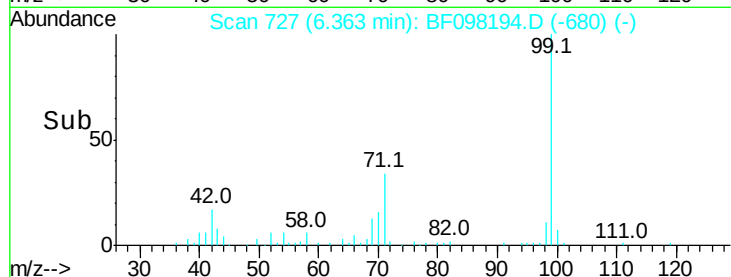
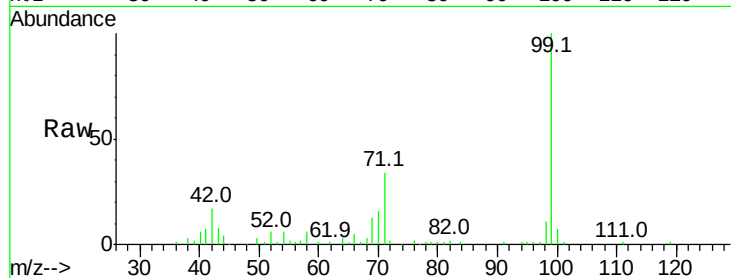
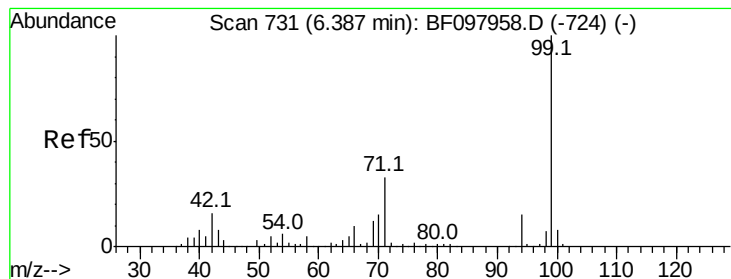


#5

2-Fluorophenol
Concen: 12.623 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	46.0	69.0
63	31.0	23.4	35.0





#7

Phenol-d6

Concen: 12.757 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		128265		
42	16.8	13.5	20.3		
71	33.6	24.5	36.7		

Instrument :

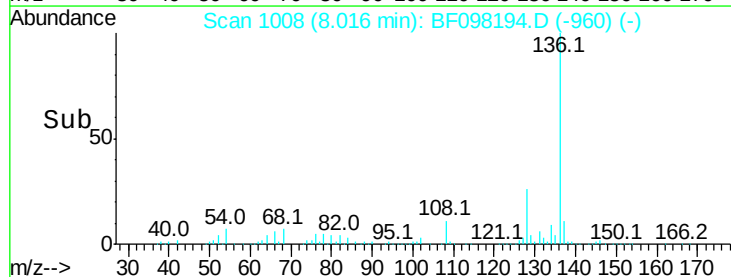
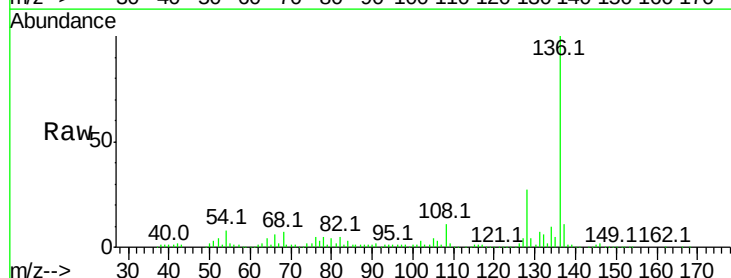
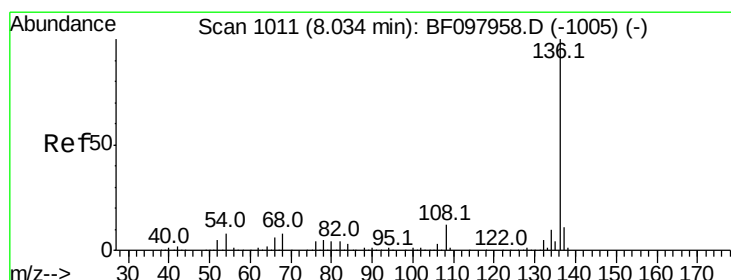
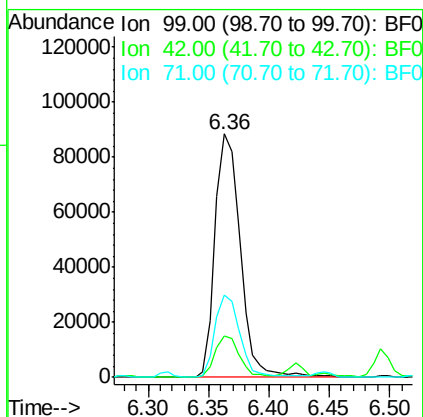
BNA_F

ClientSampled :

TP-1DL

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#21

Naphthalene-d8

Concen: 20.000 ng

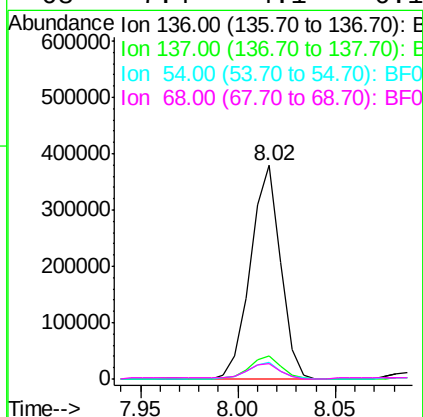
RT: 8.02 min Scan# 1008

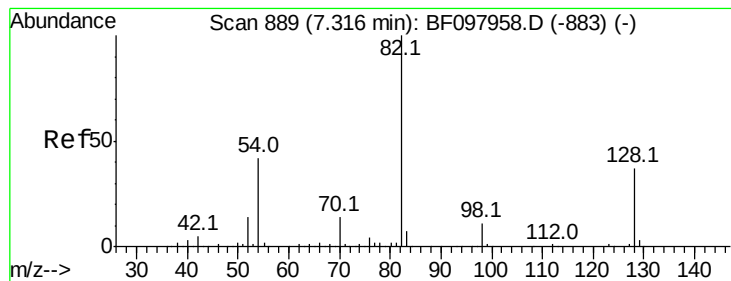
Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		405614		
137	11.0	8.5	12.7		
54	7.6	4.9	7.3#		
68	7.4	4.1	6.1#		





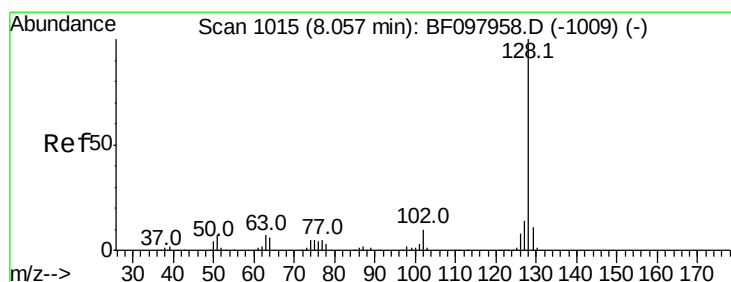
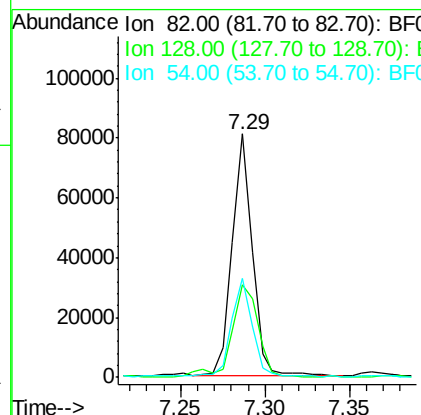
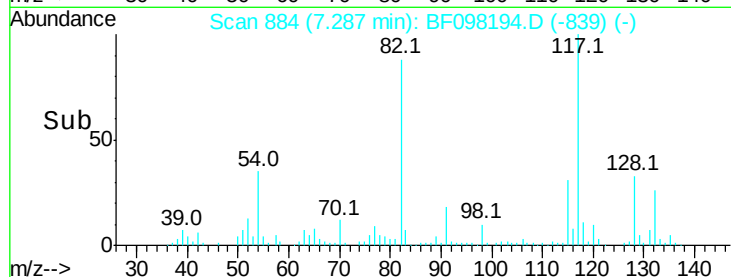
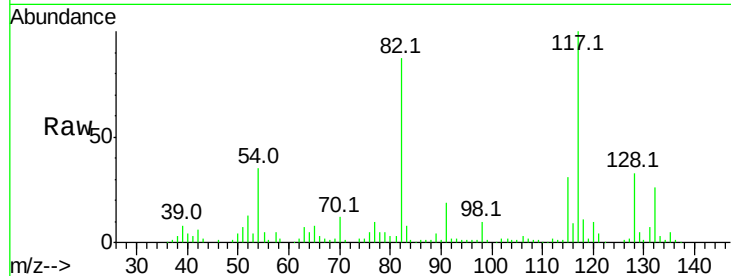
#23
 Nitrobenzene-d5
 Concen: 8.933 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.04 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Instrument :
 BNA_F
 ClientSampled :
 TP-1DL

Tot Ion:	82	Resp:	66697
Ion Ratio	Lower	Upper	
82	100		
128	38.0	34.0	51.0
54	40.4	42.2	63.2#

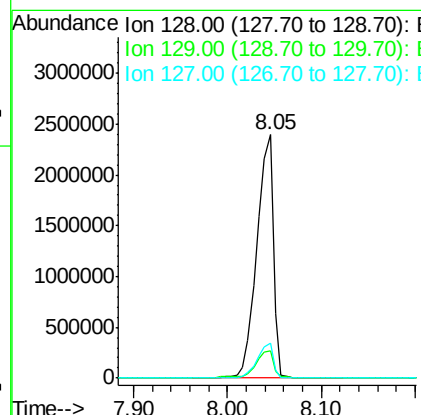
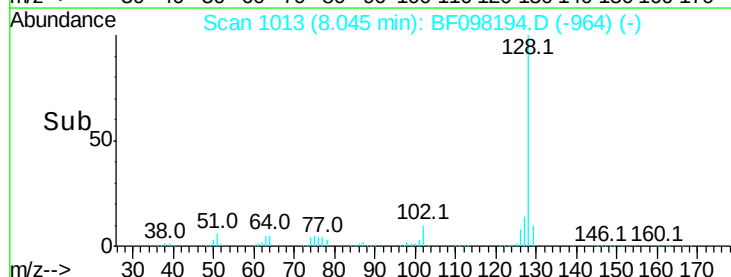
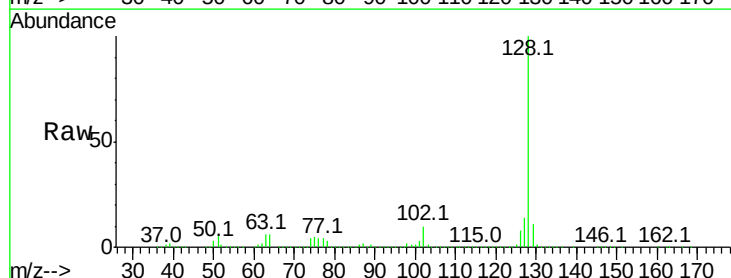
Manual Integrations
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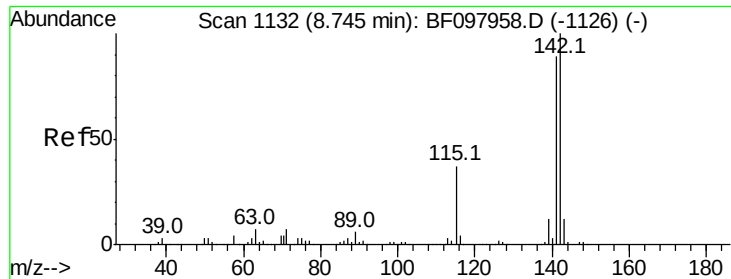
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#31
 Naphthalene
 Concen: 139.147 ng
 RT: 8.05 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Tgt Ion:	128	Resp:	2930086
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.0	13.6
127	14.3	10.8	16.2





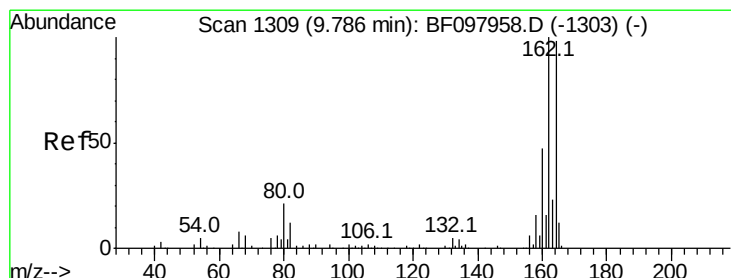
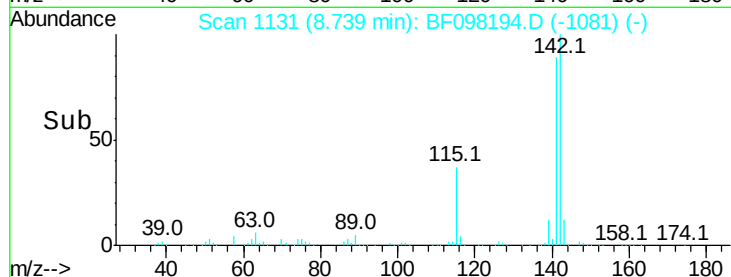
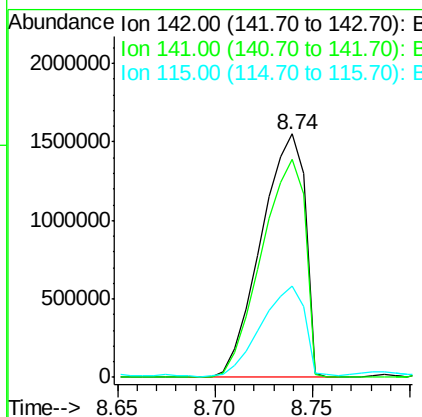
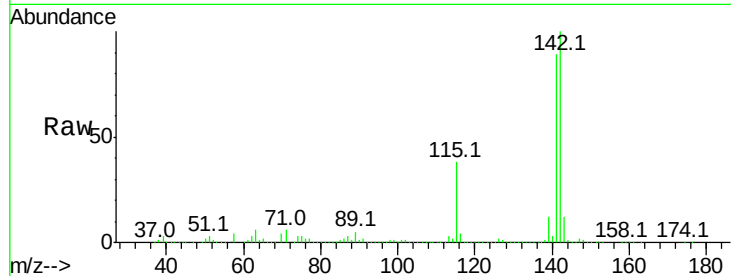
#37
2-Methylnaphthalene
Concen: 187.748 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Instrument :
BNA_F
ClientSampleId :
TP-1DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.3	106.9
115	37.5	27.1	40.7

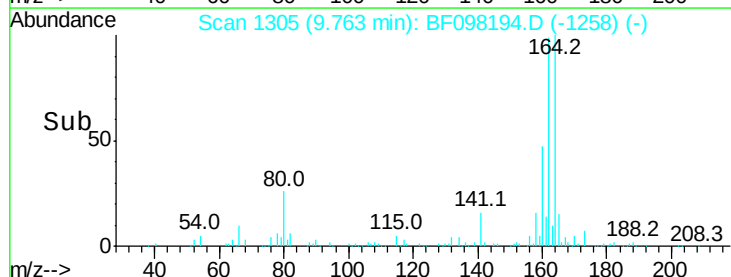
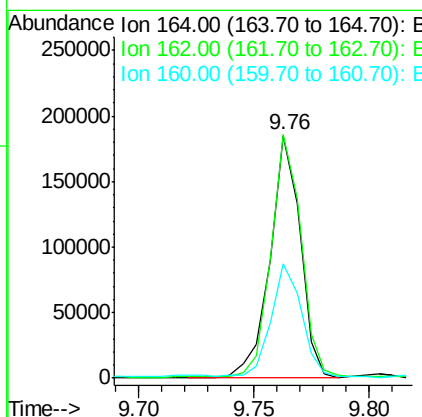
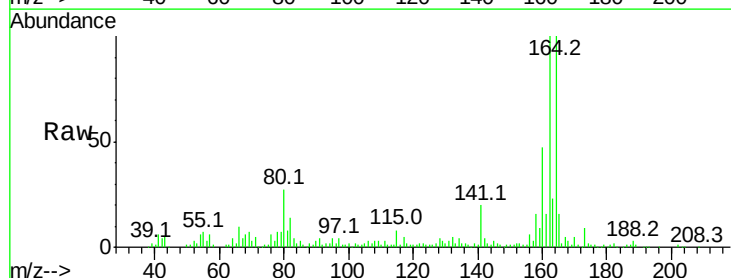
Manual Integrations
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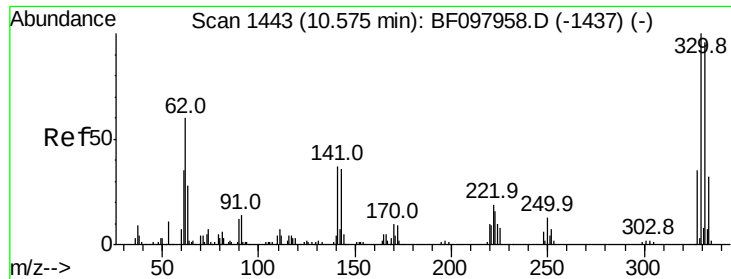
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	82.6	123.8
160	47.2	36.2	54.2





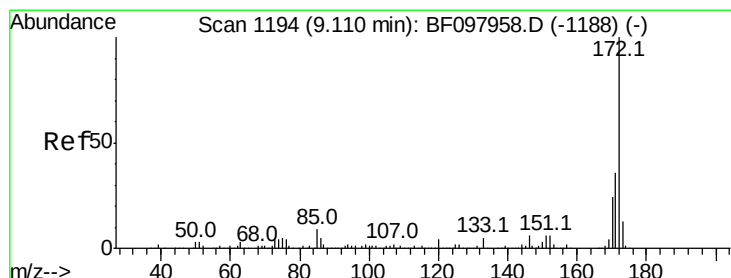
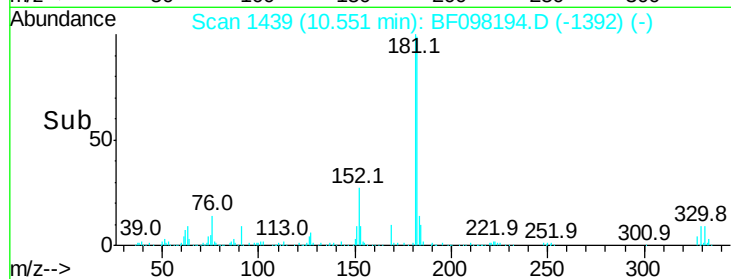
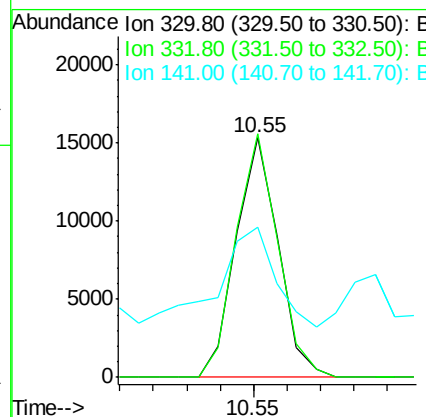
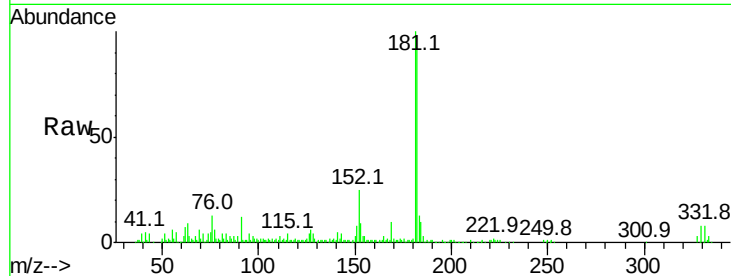
#41
 2,4,6-Tribromophenol
 Concen: 9.182 ng m
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Instrument :
 BNA_F
 ClientSampled :
 TP-1DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.6	115.0#
141	0.0	31.4	47.2#

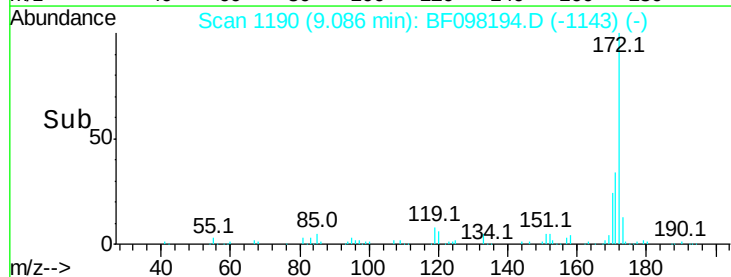
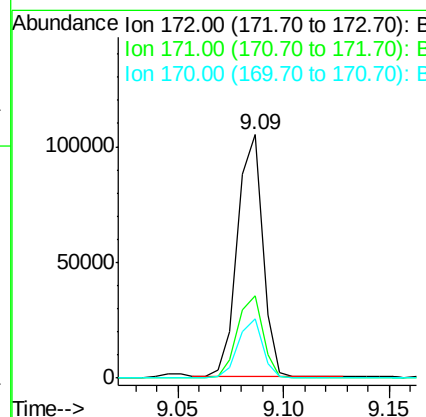
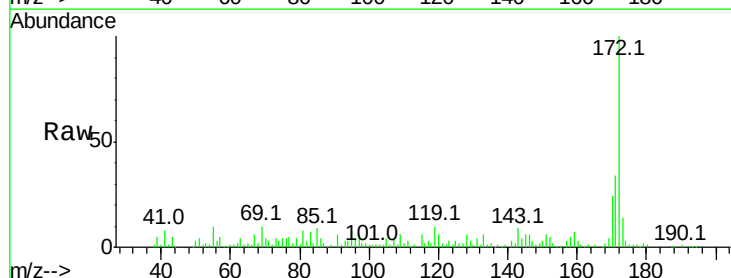
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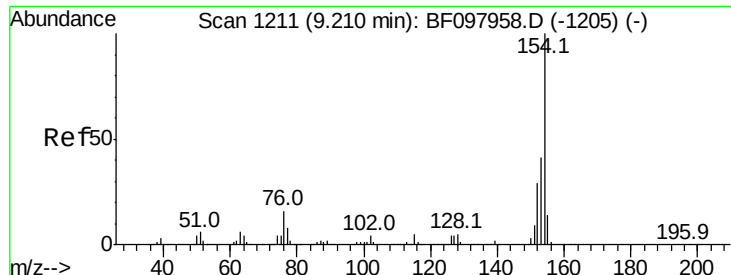
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#44
 2-Fluorobiphenyl
 Concen: 7.482 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.6	44.4
170	24.3	19.8	29.8





#45

1,1'-Biphenyl

Concen: 46.926 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

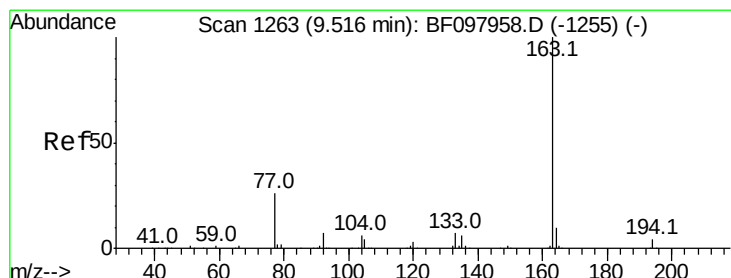
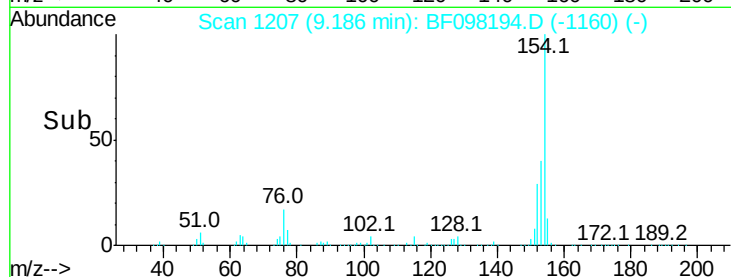
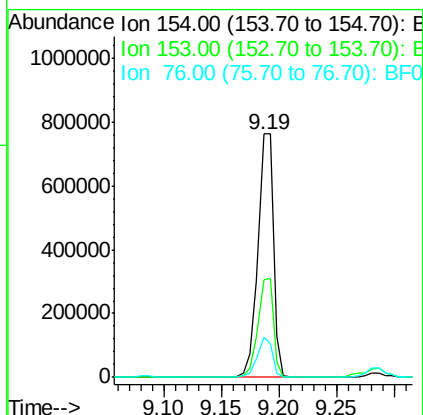
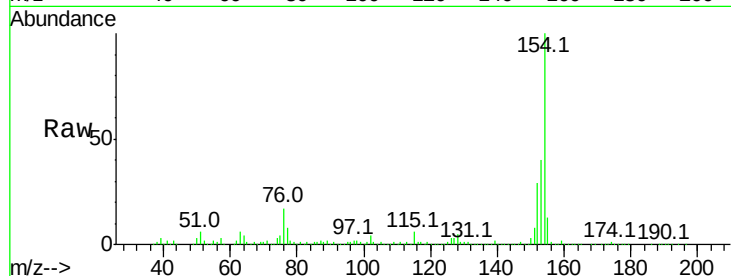
ClientSampled :

TP-1DL

Tot Ion:	154	Resp:	726948
Ion Ratio	Lower	Upper	
154	100		
153	40.1	21.2	61.2
76	16.6	0.0	29.9

Manual Integrations
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#49

Dimethylphthalate

Concen: 2.503 ng

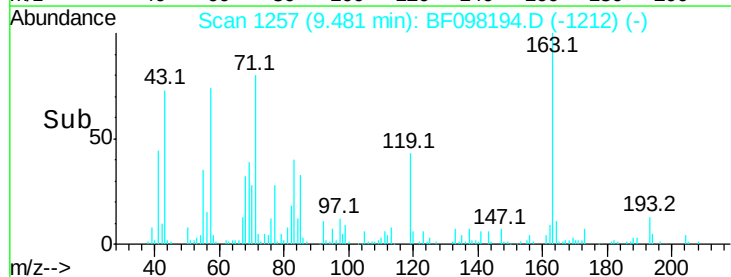
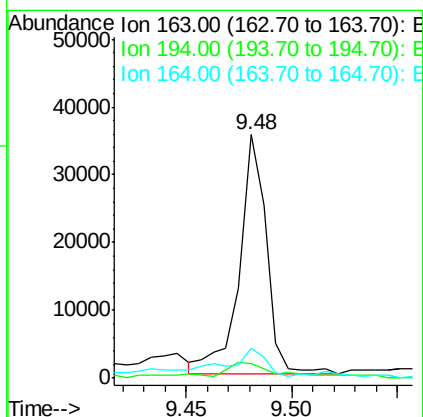
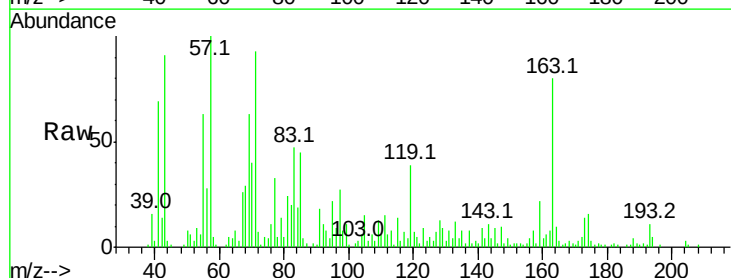
RT: 9.48 min Scan# 1257

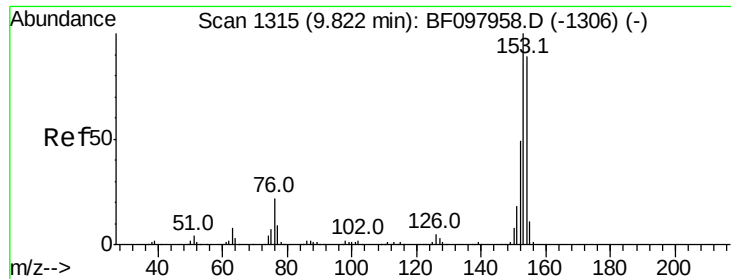
Delta R.T. -0.04 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Tgt Ion:	163	Resp:	31078
Ion Ratio	Lower	Upper	
163	100		
194	6.0	2.6	4.0#
164	12.4	8.4	12.6





#51

Acenaphthene

Concen: 80.285 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

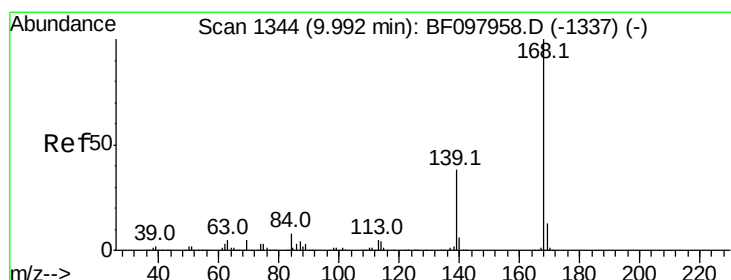
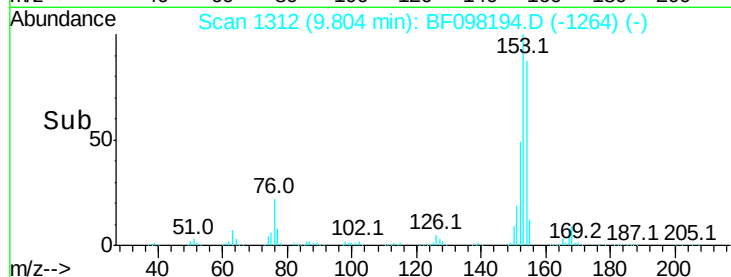
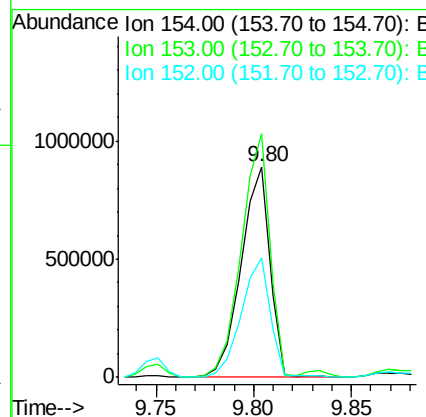
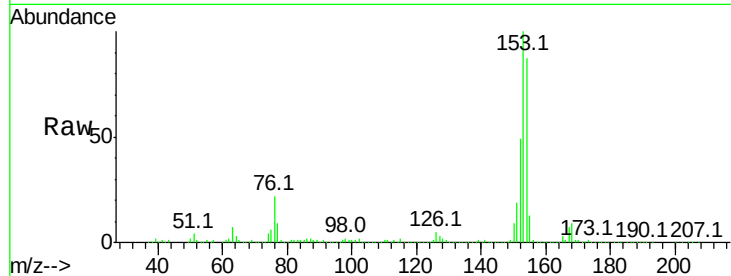
ClientSampled :

TP-1DL

Tot Ion:	154	Resp:	910134
Ion Ratio	Lower	Upper	
154	100		
153	115.5	90.5	135.7
152	56.9	43.6	65.4

Manual Integrations
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#54

Dibenzofuran

Concen: 68.458 ng

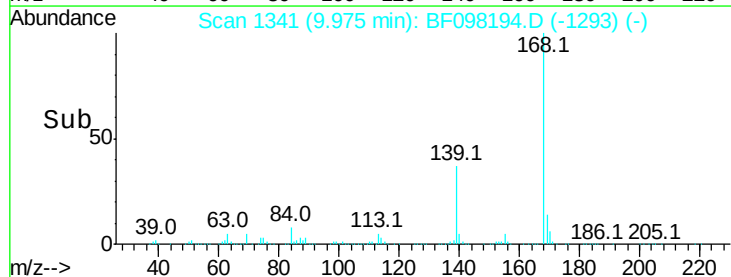
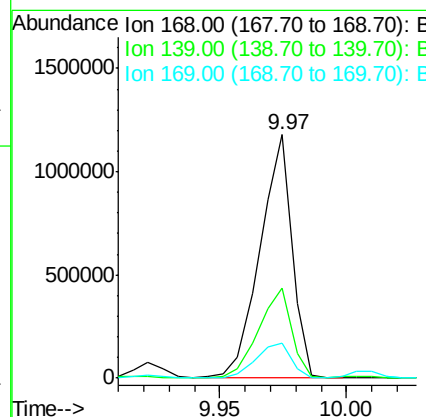
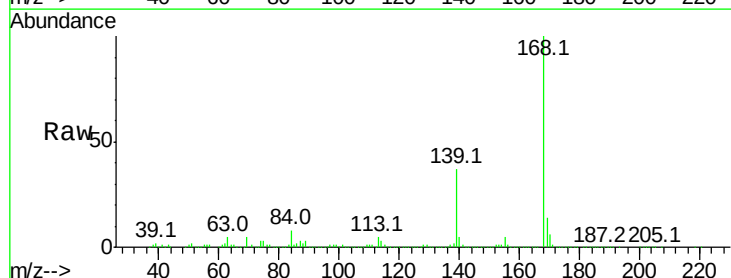
RT: 9.97 min Scan# 1341

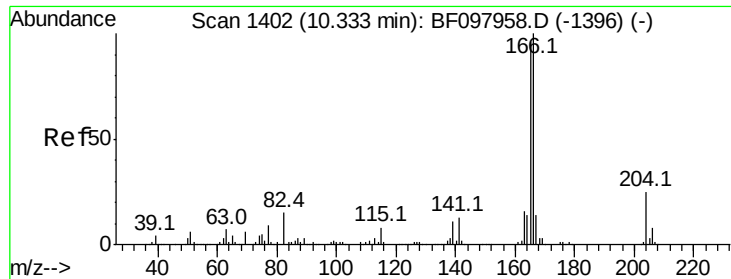
Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Tgt Ion:	168	Resp:	1040098
Ion Ratio	Lower	Upper	
168	100		
139	36.8	30.6	45.8
169	14.1	10.8	16.2





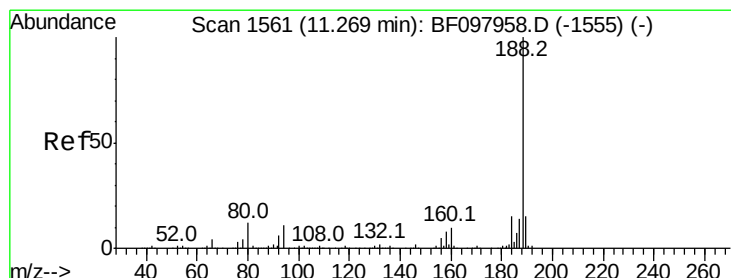
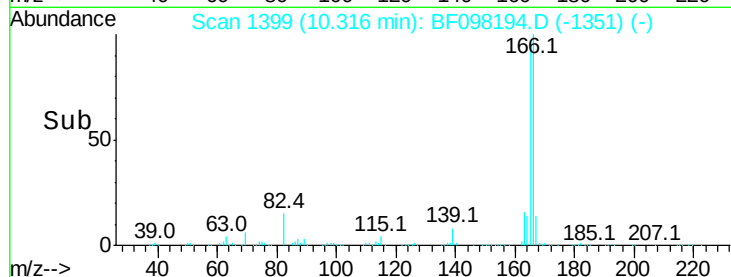
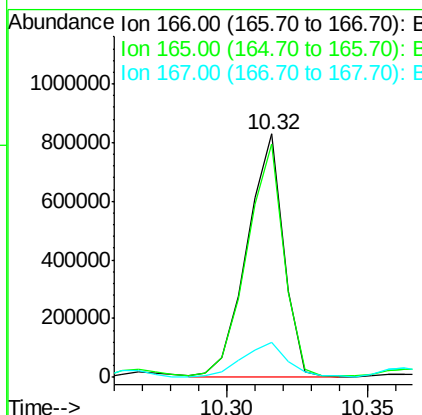
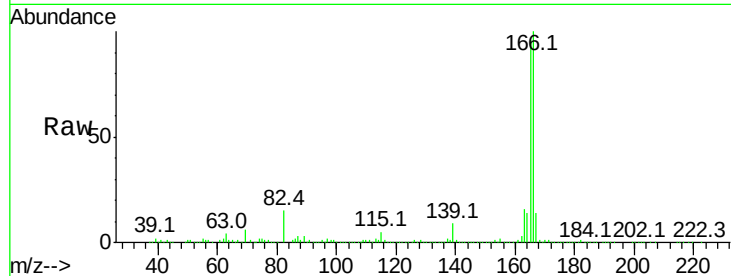
#57
Fluorene
 Concen: 63.047 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.02 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Instrument :
 BNA_F
 ClientSampled :
 TP-1DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	740584		
165	95.7		78.8	118.2
167	14.5		10.6	16.0

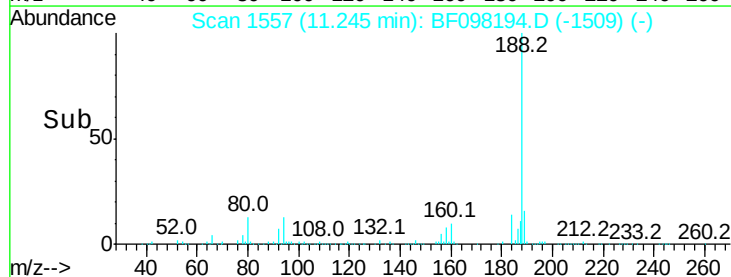
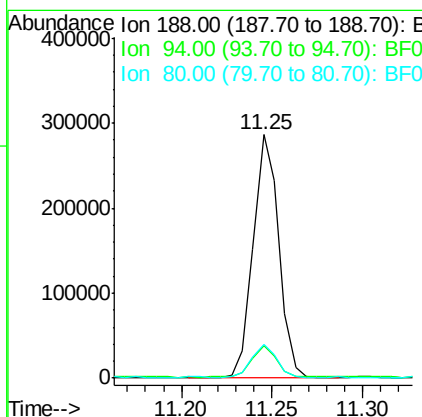
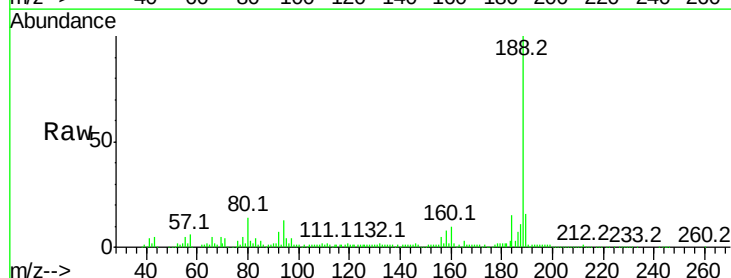
Manual Integrations
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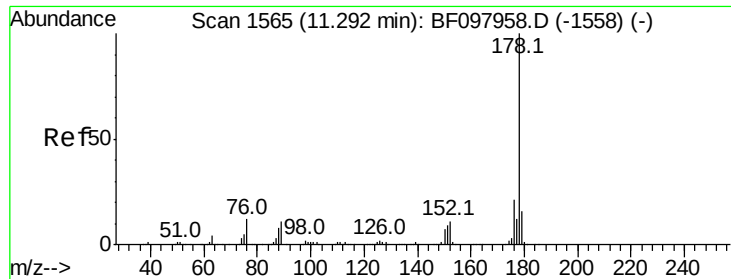
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	279639		
94	13.1		9.4	14.2
80	13.7		10.2	15.2





#70

Phenanthrene

Concen: 93.155 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

ClientSampleId :

TP-1DL

Tot Ion:178 Resp: 1388117

Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

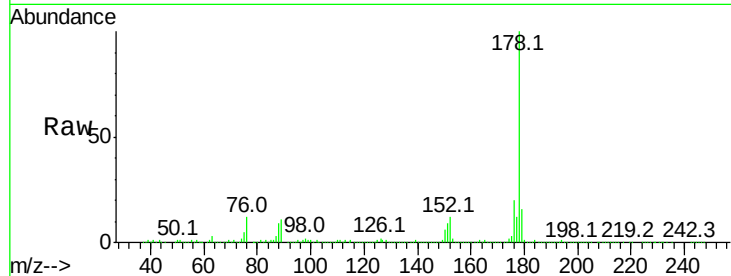
179 16.2 12.6 19.0

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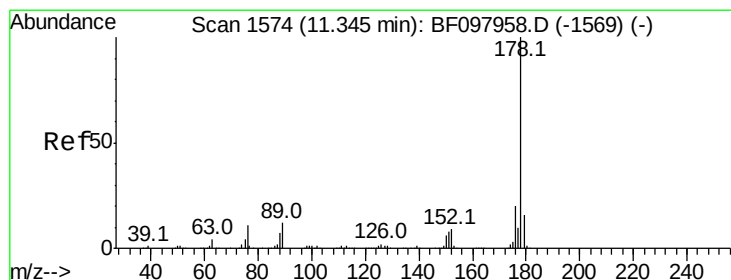
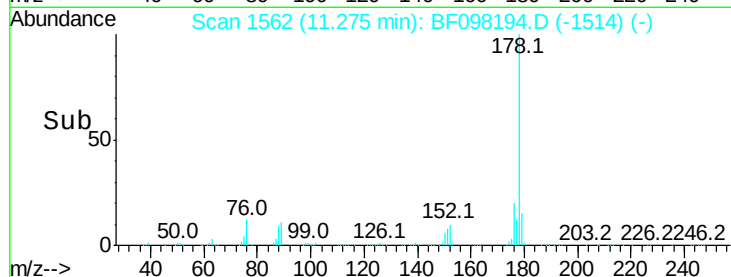
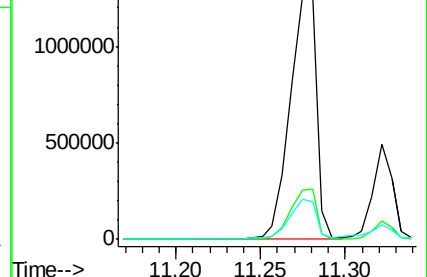
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 25.072 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Tgt Ion:178 Resp: 378931

Ion Ratio Lower Upper

178 100

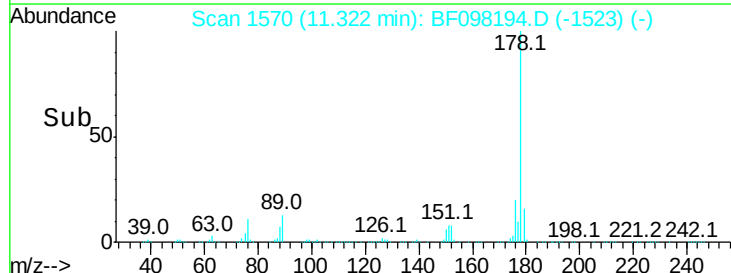
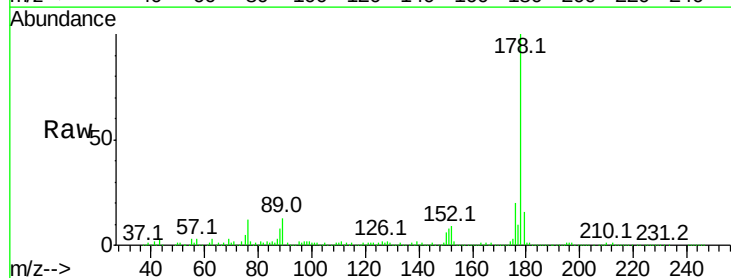
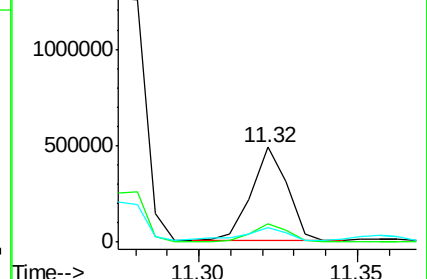
176 19.9 15.8 23.8

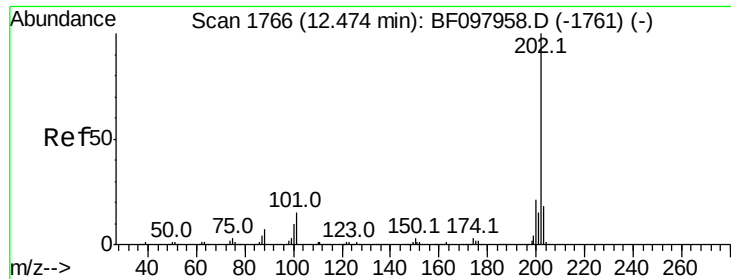
179 16.0 12.7 19.1

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 28.834 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

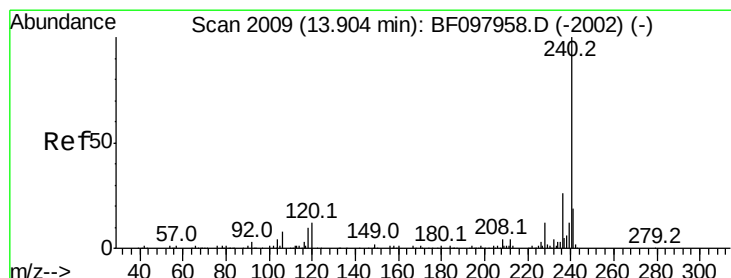
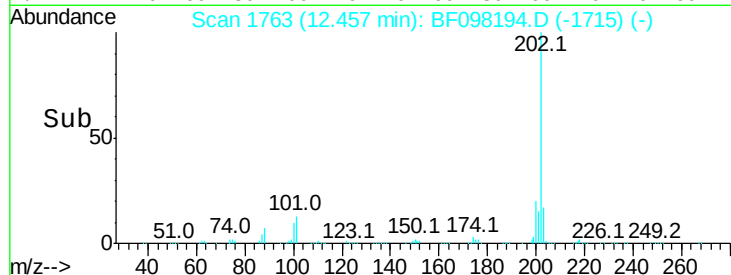
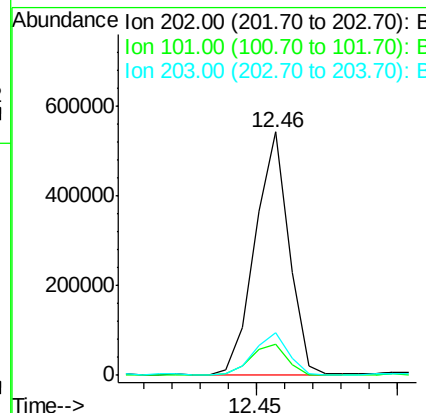
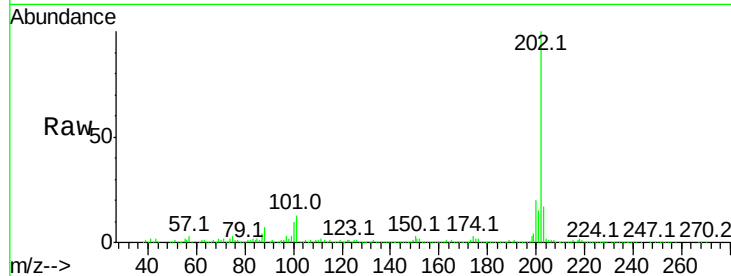
ClientSampled :

TP-1DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

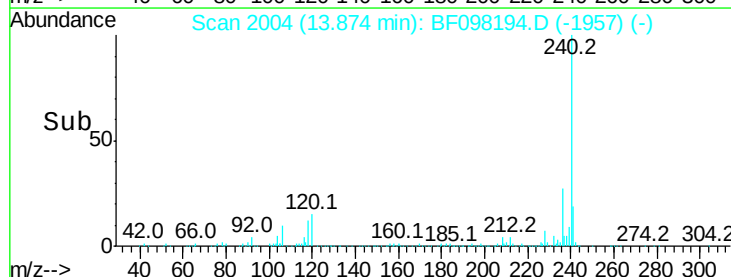
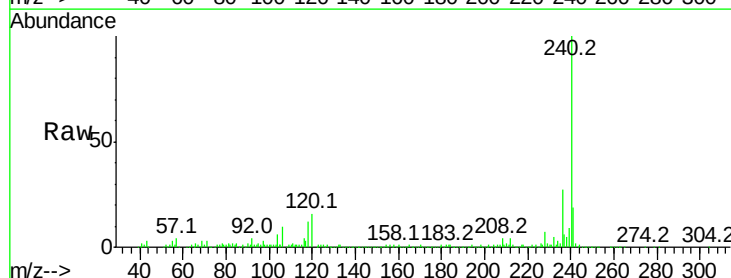
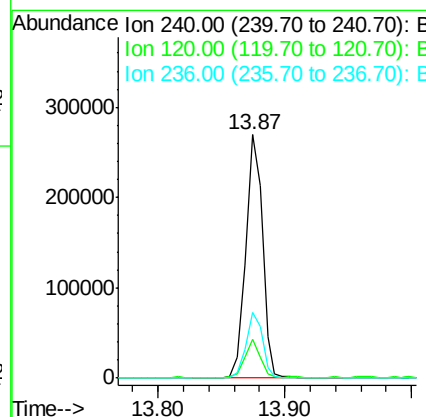
RT: 13.87 min Scan# 2004

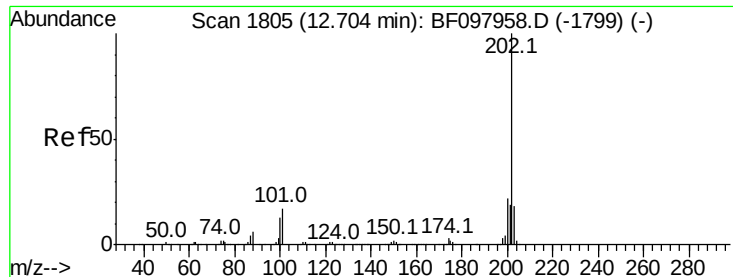
Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.7	5.8	8.8#
236	26.8	20.5	30.7





#77

Pvrene

Concen: 17.580 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Instrument :

BNA_F

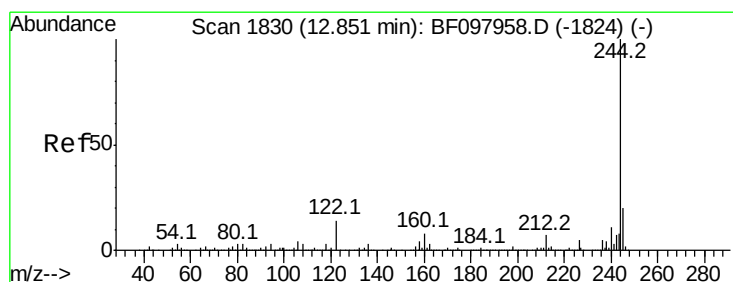
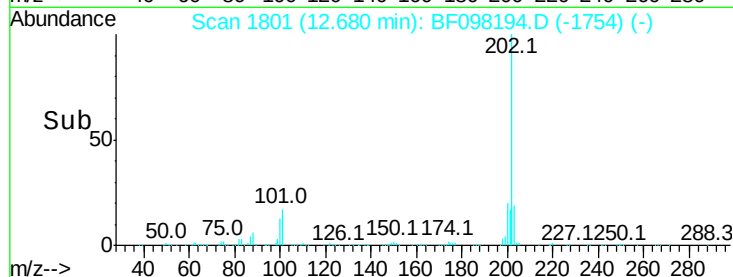
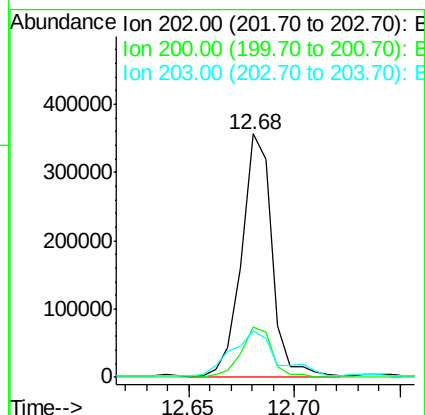
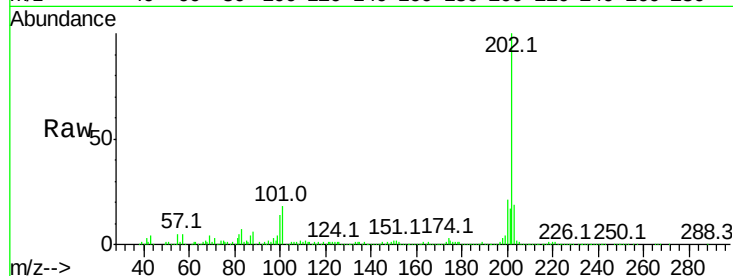
ClientSampleId :

TP-1DL

Tot Ion:	202	Resp:	351774
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.6	26.4
203	19.3	14.4	21.6

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#78

Terphenyl-d14

Concen: 5.702 ng

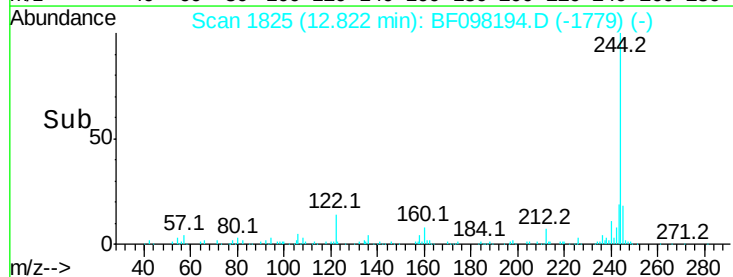
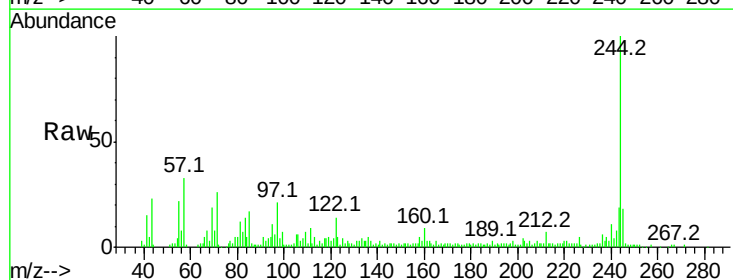
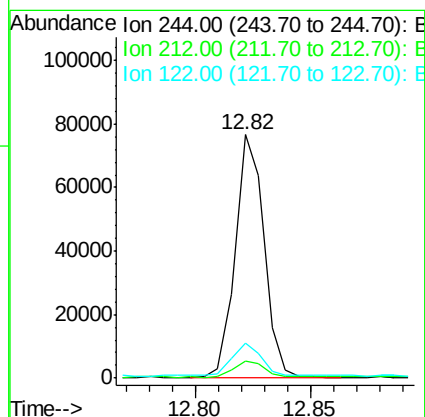
RT: 12.82 min Scan# 1825

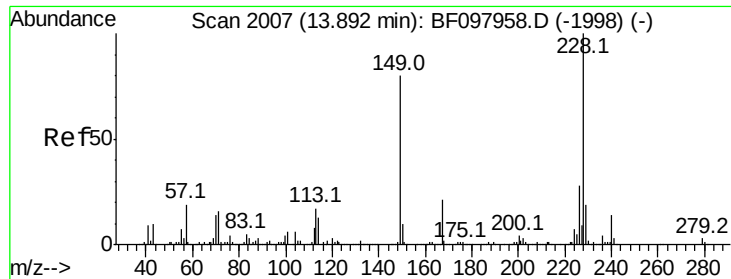
Delta R.T. -0.03 min

Lab File: BF098194.D

Acq: 31 Aug 2017 10:16

Tgt Ion:	244	Resp:	66897
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	14.4	10.3	15.5





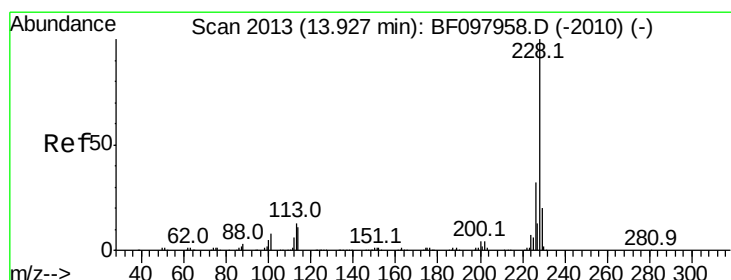
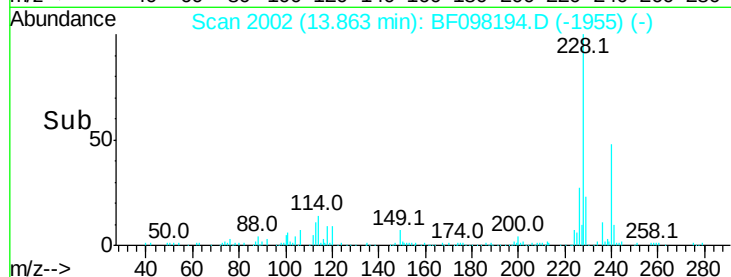
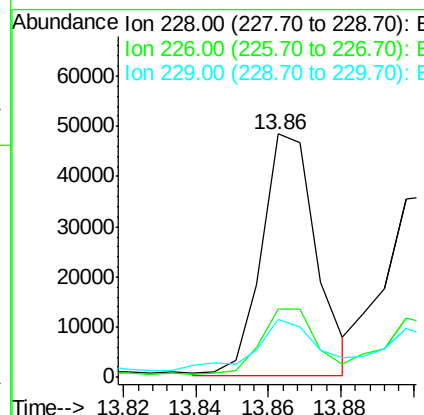
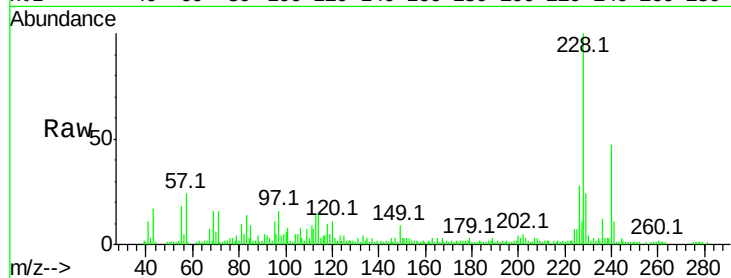
#80
Benzo(a)anthracene
Concen: 3.414 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Instrument :
BNA_F
ClientSampleId :
TP-1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	23.9	16.3	24.5

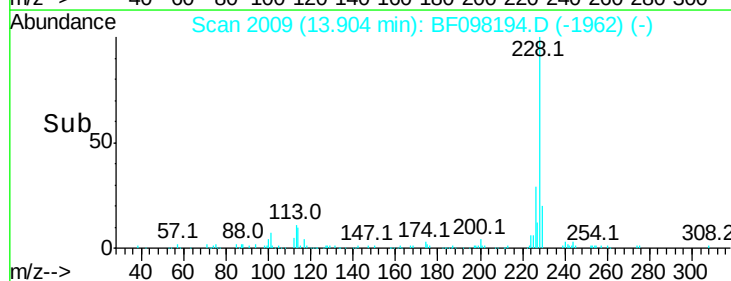
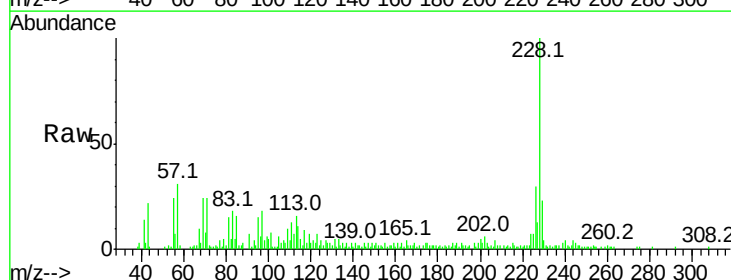
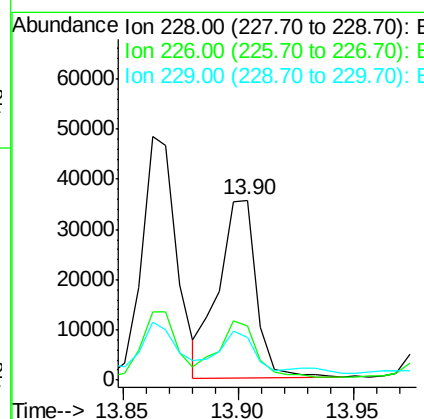
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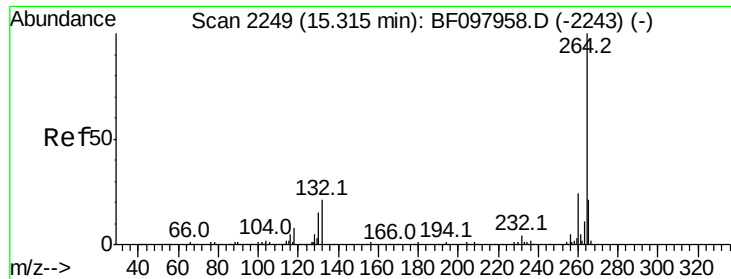
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#82
Chrysene
Concen: 2.768 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.02 min
Lab File: BF098194.D
Acq: 31 Aug 2017 10:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	23.3	15.8	23.6





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. -0.02 min
 Lab File: BF098194.D
 Acq: 31 Aug 2017 10:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-1DL

Tot Ion:	264	Resp:	167395
Ion Ratio		Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.5	17.2	25.8

Manual Integrations
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