

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098012.D
 Acq On : 24 Aug 2017 20:02
 Operator : SJ/JU
 Sample : I4925-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RWB-2

Manual Integrations
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Sohil
 8/25/2017 5:40:12 PM

Quant Time: Aug 25 02:12:04 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	6.74	152	109012	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	432634	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	188180	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	361162	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	272094	20.00	ng	-0.02
86) Perylene-d12	15.30	264	233616	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	973720	135.87	ng	0.00
7) Phenol-d6	6.37	99	1291947	132.68	ng	-0.01
23) Nitrobenzene-d5	7.30	82	751153	94.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	214970	131.66	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	886544	69.22	ng	-0.01
78) Terphenyl-d14	12.84	244	734514	56.29	ng	-0.01
Target Compounds						
10) Phenol	6.39	94	31972	2.807	ng	91
49) Dimethylphthalate	9.49	163	171448	12.464	ng	99
74) Fluoranthene	12.46	202	88412	4.401	ng	98
77) Pyrene	12.69	202	80267	3.607	ng	99
80) Benzo(a)anthracene	13.87	228	40742	2.498	ng	96
82) Chrysene	13.90	228	41173	2.538	ng	96
87) Benzo(b)fluoranthene	14.89	252	46345m	3.147	ng	
89) Benzo(a)pyrene	15.23	252	32983	2.530	ng	94

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

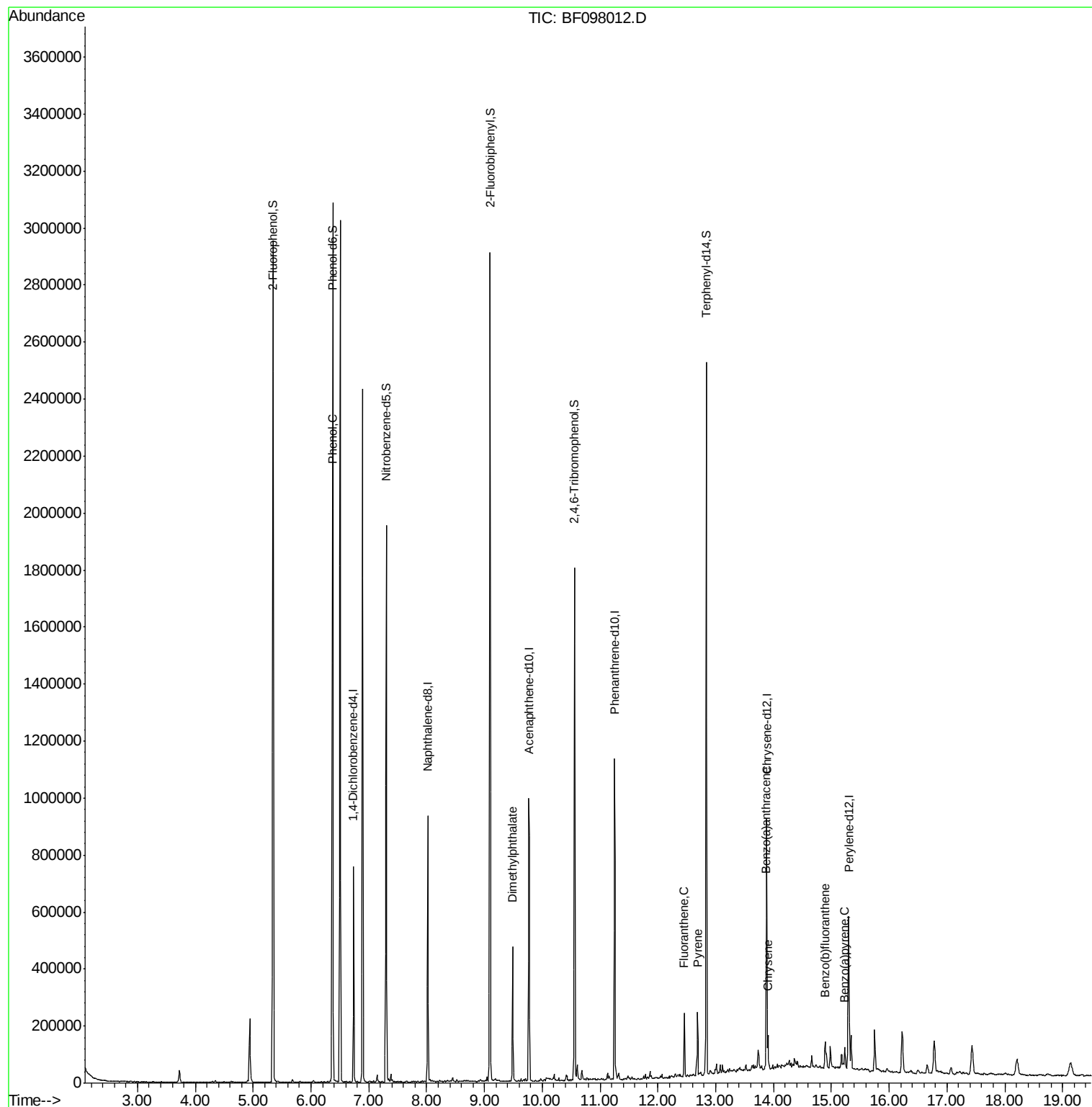
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
Data File : BF098012.D
Acq On : 24 Aug 2017 20:02
Operator : SJ/JU
Sample : I4925-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

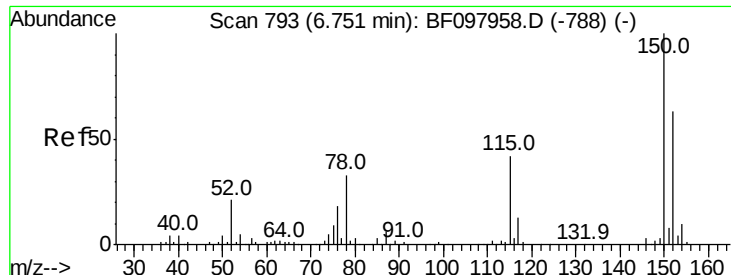
Instrument :
BNA_F
ClientSampleId :
RWB-2

Manual Integrations
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Quant Time: Aug 25 02:12:04 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





#1

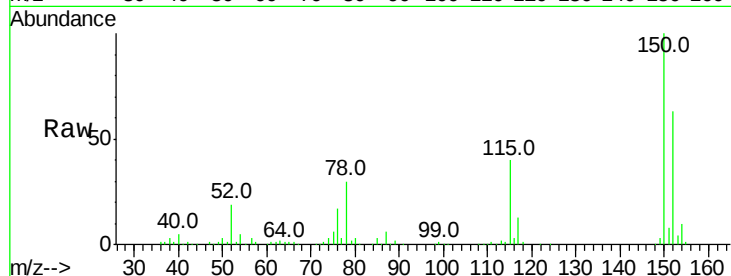
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Instrument :
BNA_F
ClientSampled :
RWB-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.2	189.2
115	64.1	52.2	78.2

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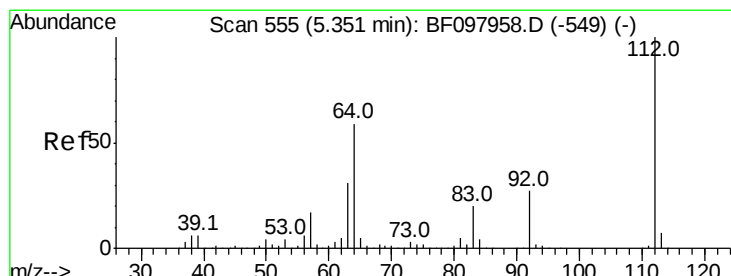
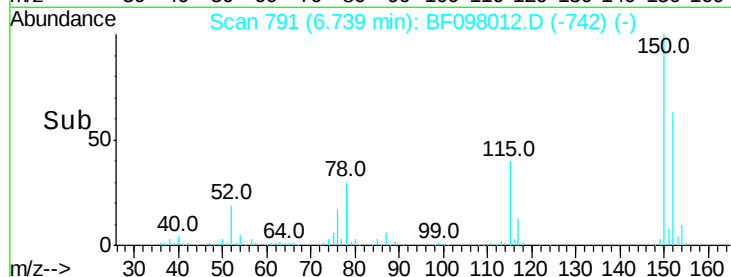
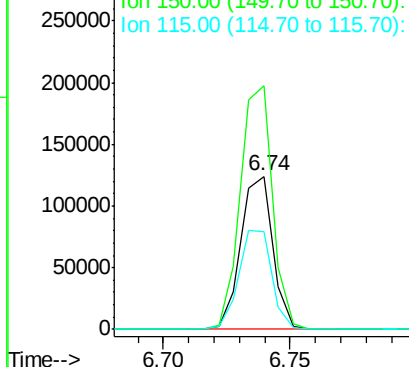


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 135.866 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

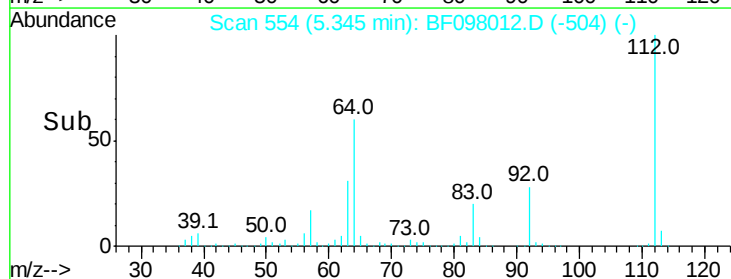
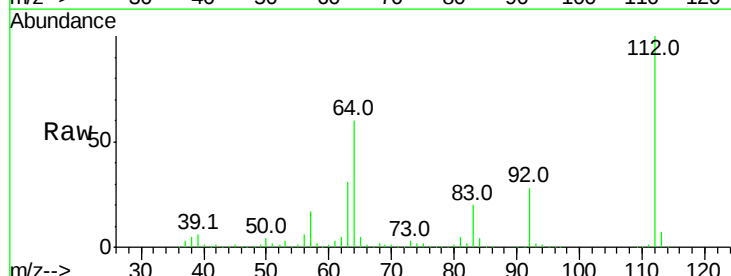
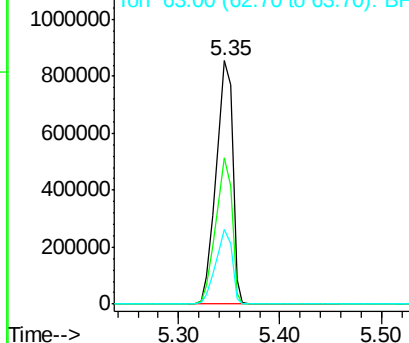
Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	46.0	69.0
63	30.6	23.4	35.0

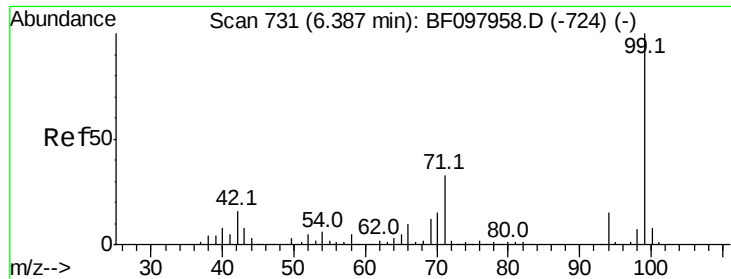
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 132.676 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098012.D

Acq: 24 Aug 2017 20:02

Instrument :

BNA_F

ClientSampleId :

RWB-2

Tot Ion: 99 Resp: 1291947

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

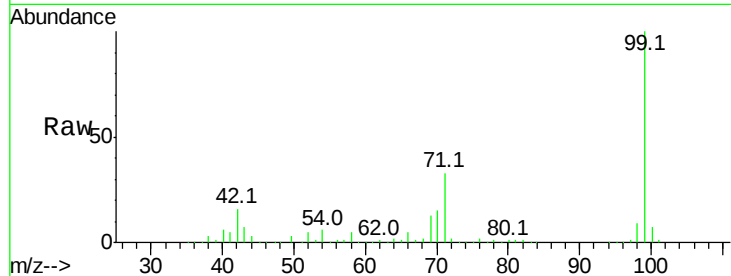
71 33.2 24.5 36.7

Manual Integrations

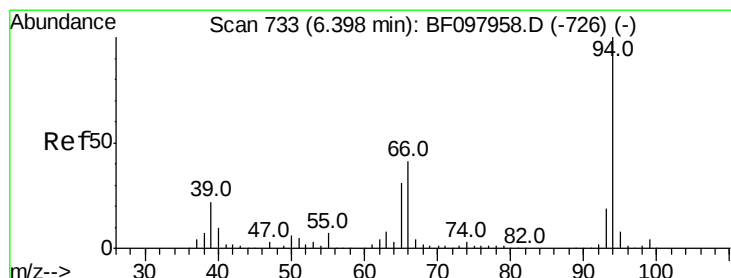
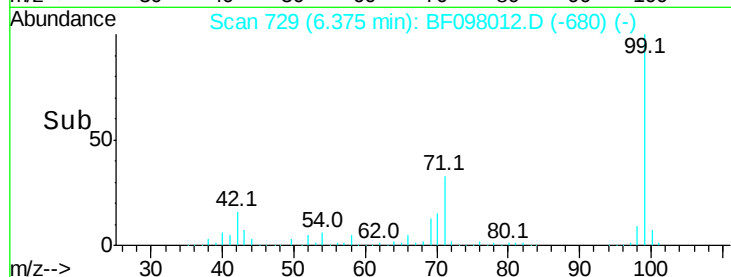
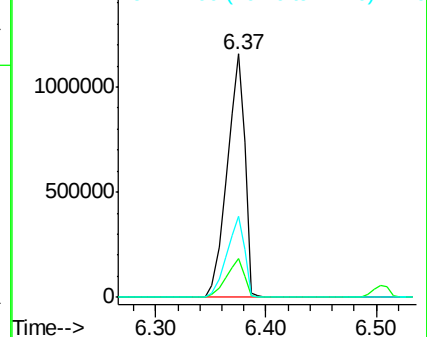
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.807 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098012.D

Acq: 24 Aug 2017 20:02

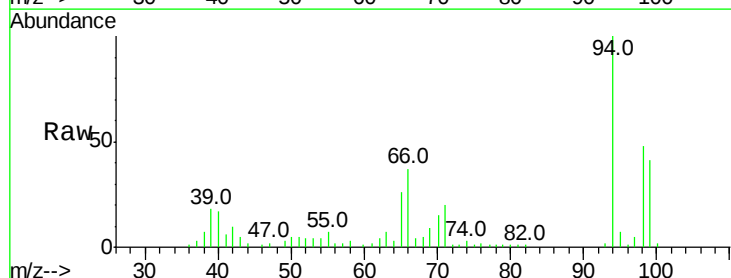
Tgt Ion: 94 Resp: 31972

Ion Ratio Lower Upper

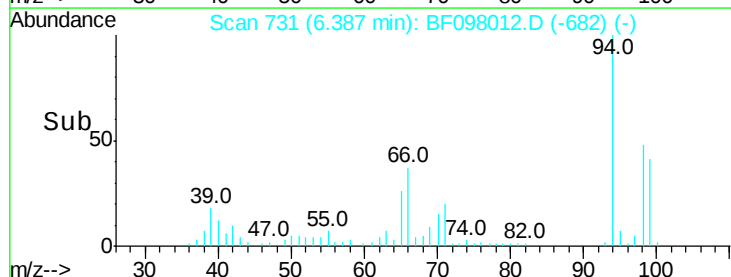
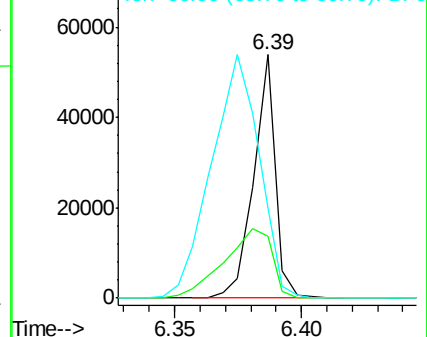
94 100

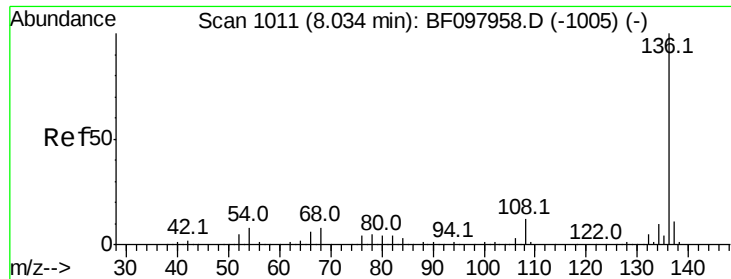
65 25.6 9.9 49.9

66 37.0 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





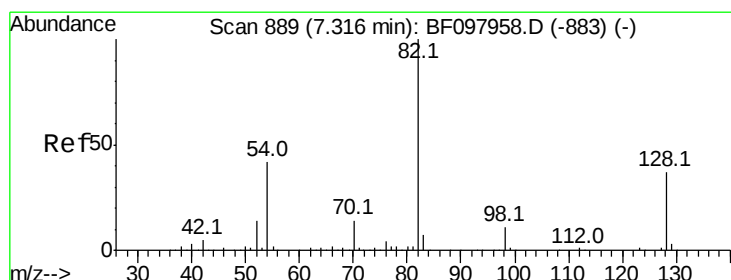
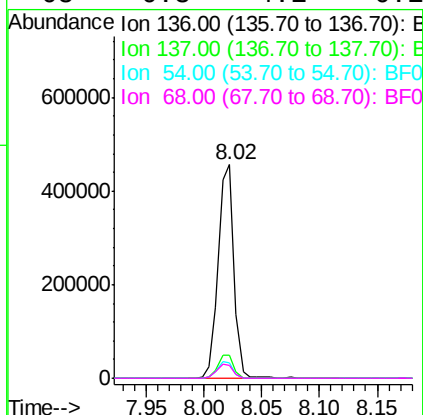
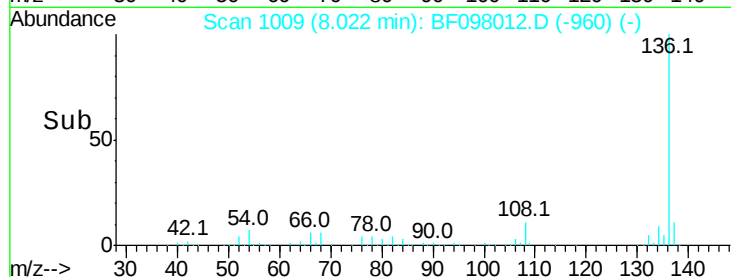
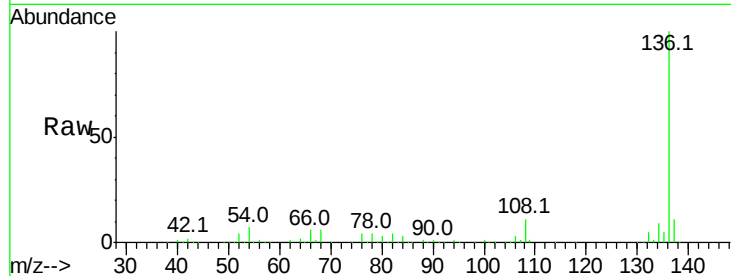
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Instrument :
BNA_F
ClientSampleId :
RWB-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.6	8.5	12.7	
54	7.0	4.9	7.3	
68	6.3	4.1	6.1	

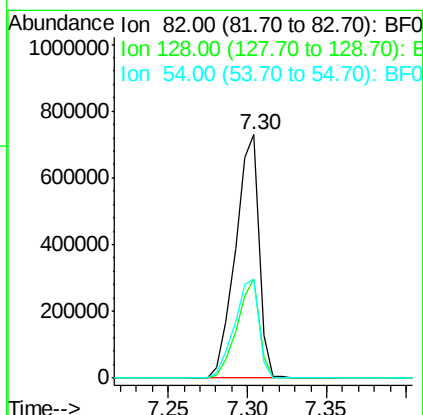
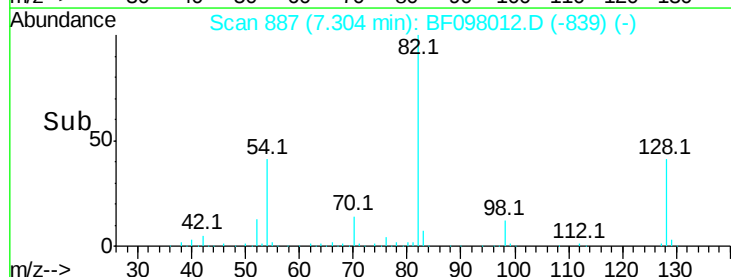
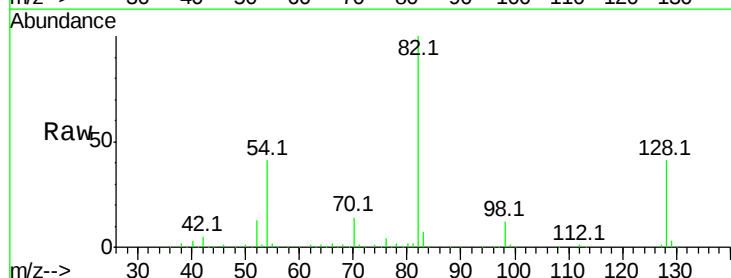
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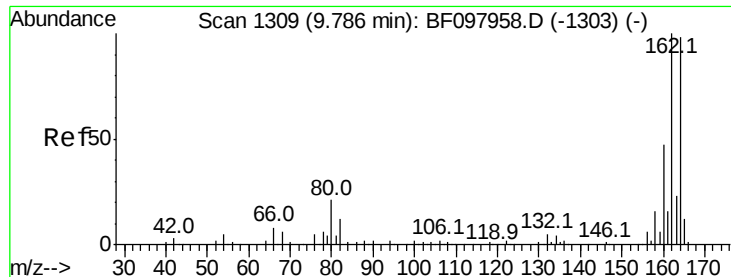
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#23
Nitrobenzene-d5
Concen: 94.320 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.7	34.0	51.0	
54	40.6	42.2	63.2	





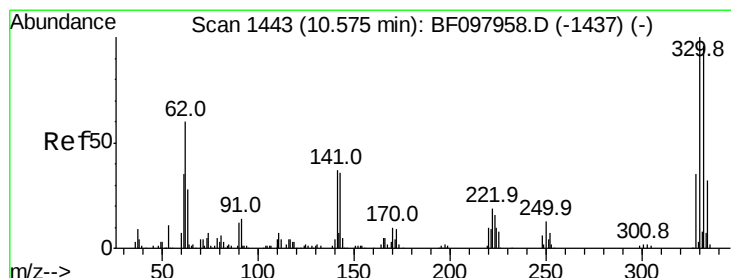
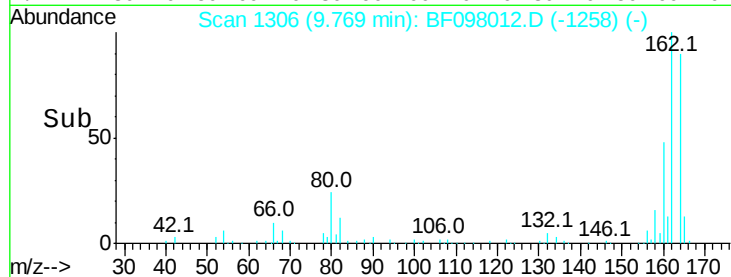
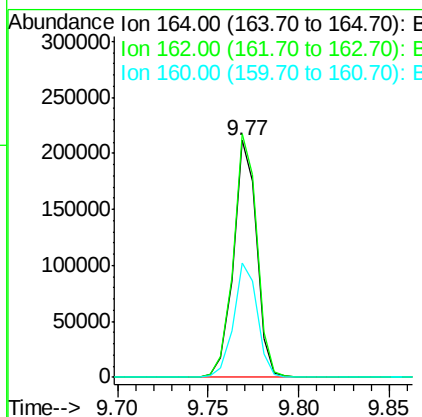
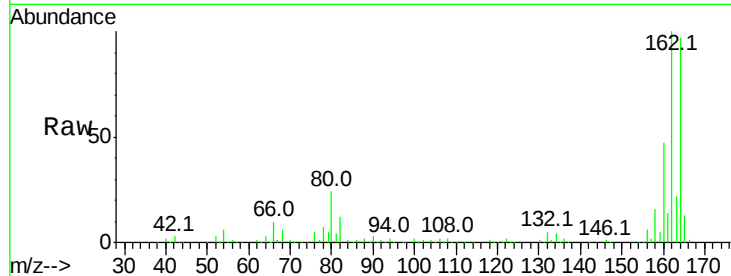
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098012.D
 Acq: 24 Aug 2017 20:02

Instrument :
 BNA_F
 ClientSampled :
 RWB-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100	188180		
162	102.9	82.6	123.8	
160	48.5	36.2	54.2	

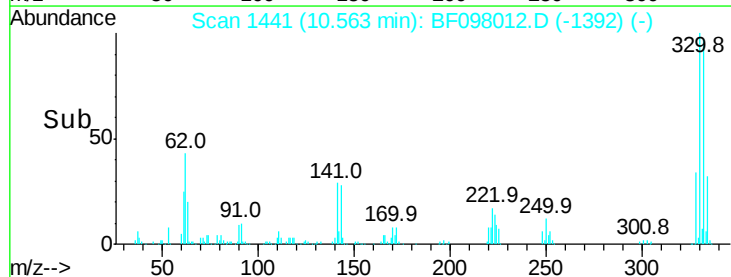
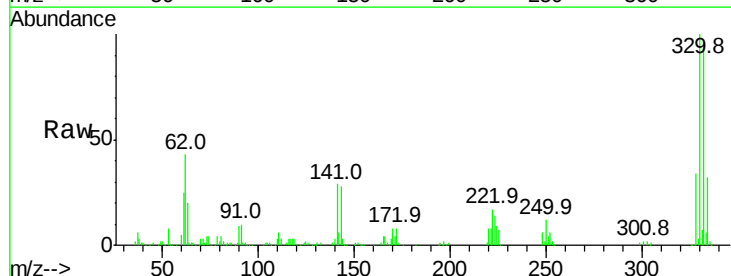
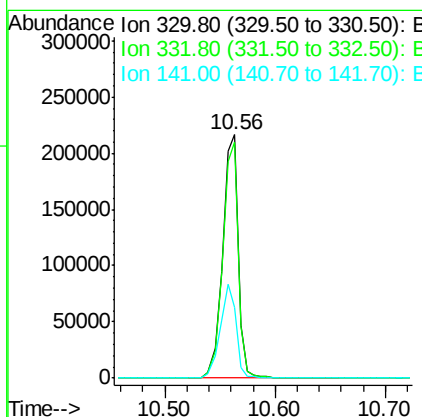
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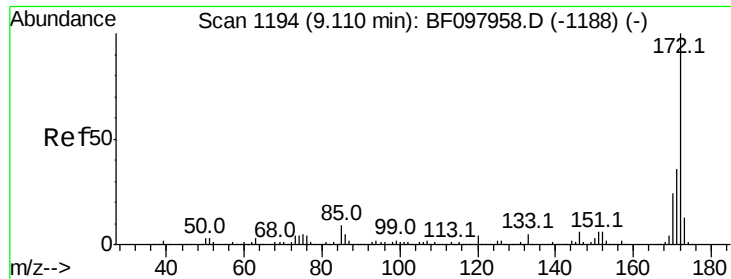
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#41
 2,4,6-Tribromophenol
 Concen: 131.660 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098012.D
 Acq: 24 Aug 2017 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	214970		
332	95.9	76.6	115.0	
141	38.6	31.4	47.2	





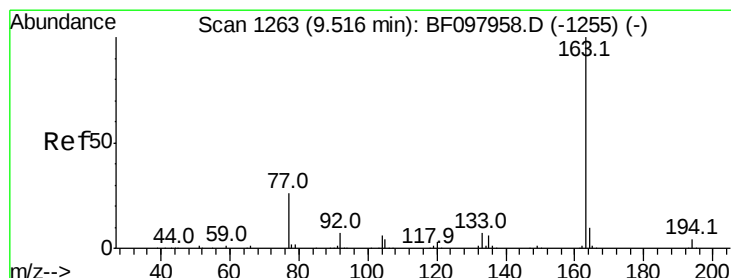
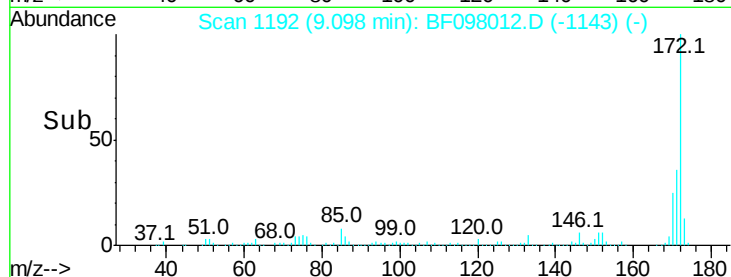
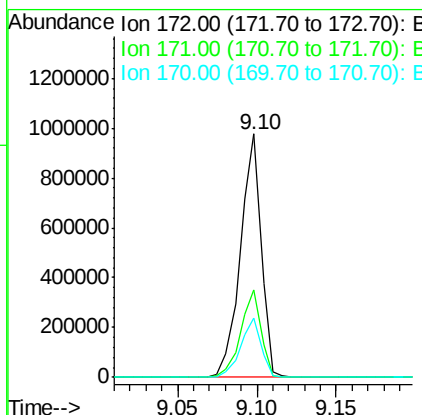
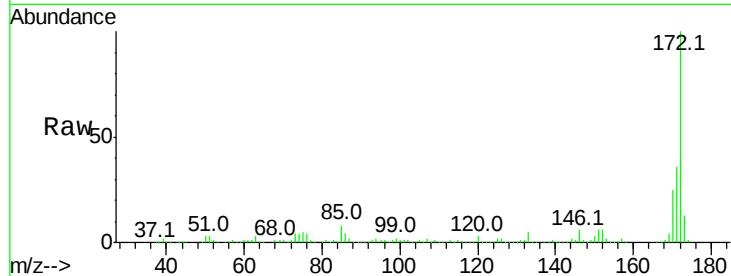
#44
2-Fluorobiphenyl
Concen: 69.216 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Instrument :
BNA_F
ClientSampleId :
RWB-2

Tot Ion	Ratio	Resp	Lower	Upper
172	100	886544		
171	36.1		29.6	44.4
170	24.6		19.8	29.8

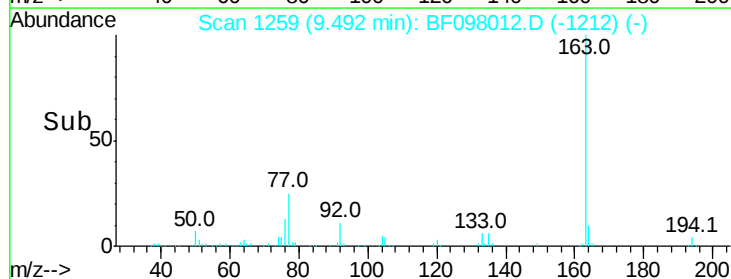
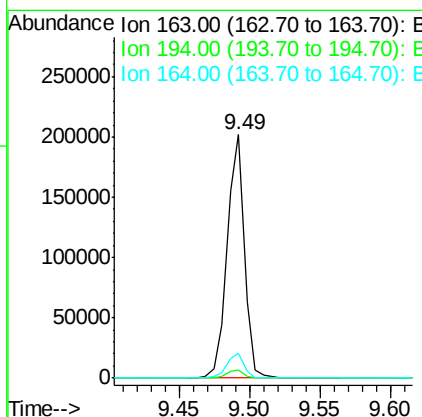
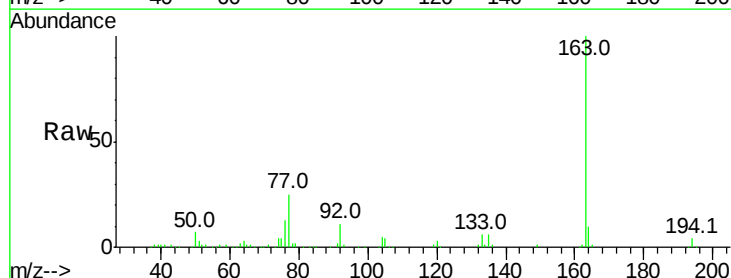
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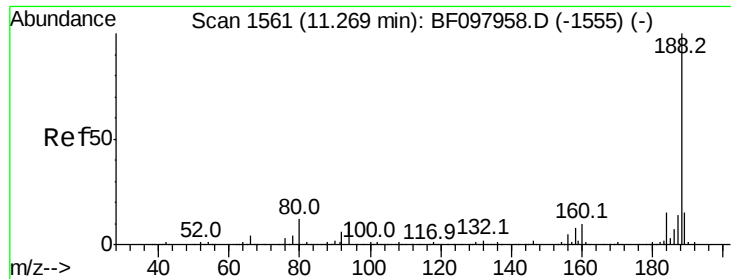
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#49
Dimethylphthalate
Concen: 12.464 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	171448		
194	3.6		2.6	4.0
164	9.9		8.4	12.6





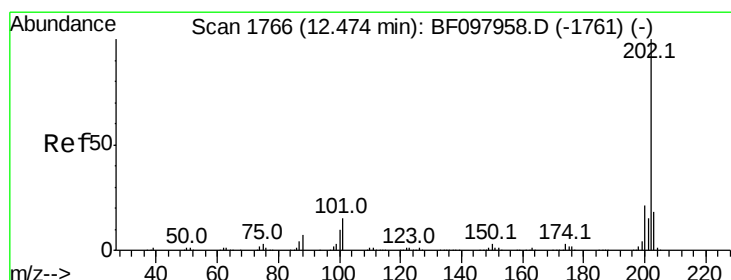
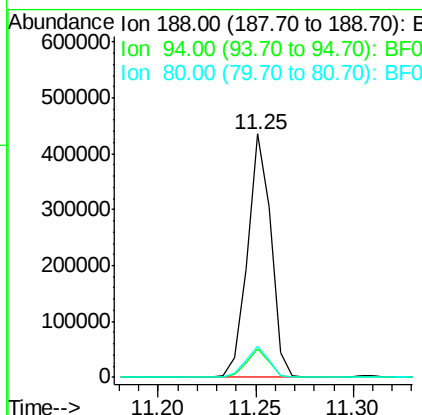
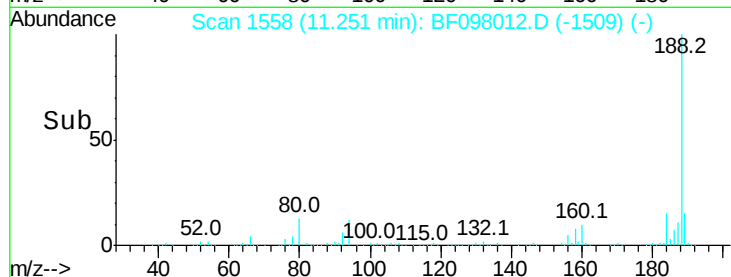
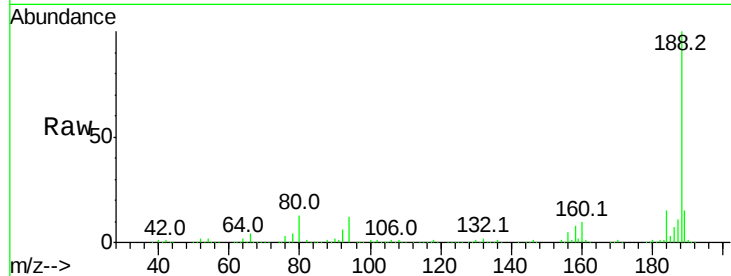
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Instrument :
BNA_F
ClientSampled :
RWB-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.9	9.4	14.2	
80	12.9	10.2	15.2	

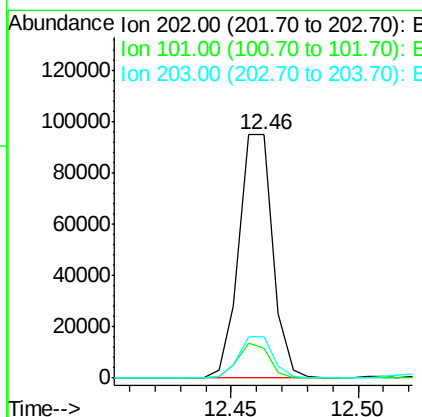
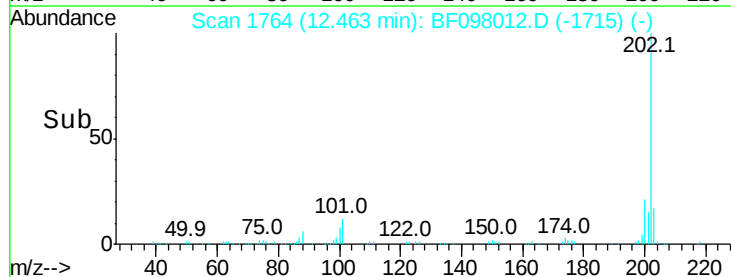
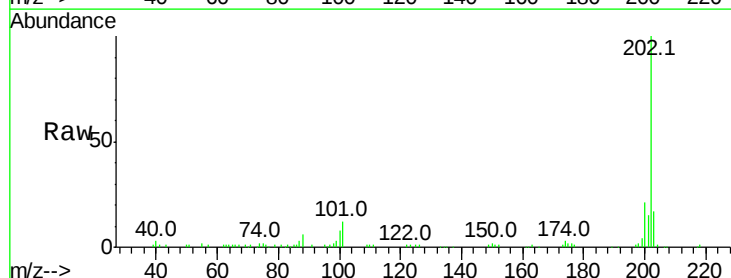
Manual Integrations
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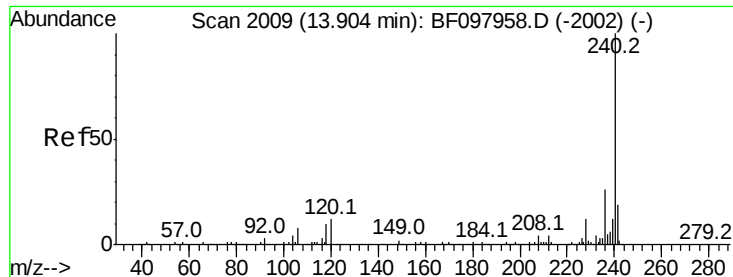
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#74
Fluoranthene
Concen: 4.401 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.3	0.0	33.2	
203	17.1	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF098012.D

Acq: 24 Aug 2017 20:02

Instrument :

BNA_F

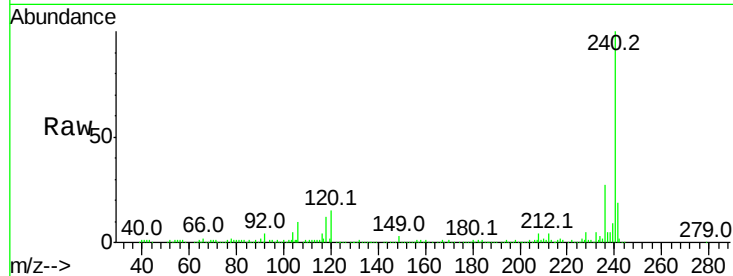
ClientSampled :

RWB-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.8	8.8#
236	26.7	20.5	30.7

Manual Integrations
APPROVED

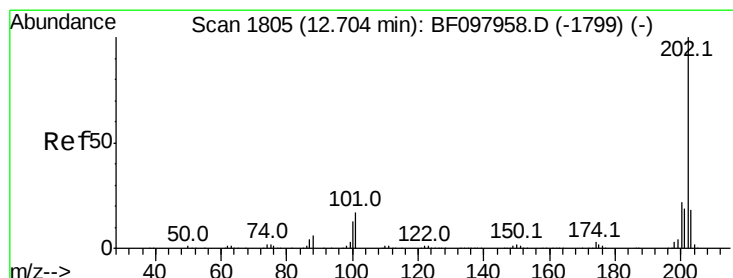
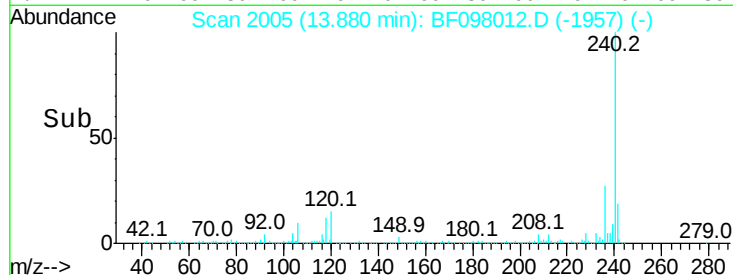
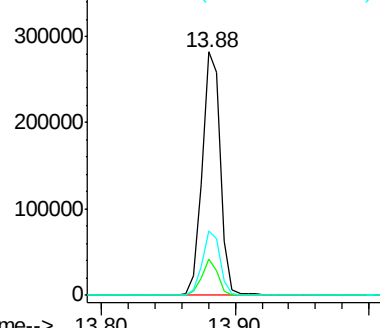
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.607 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098012.D

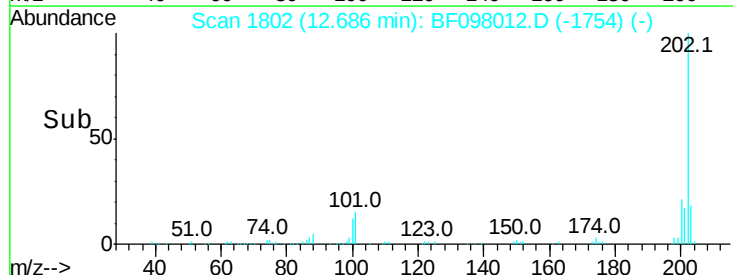
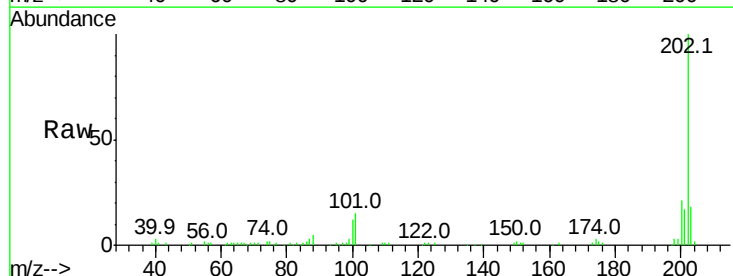
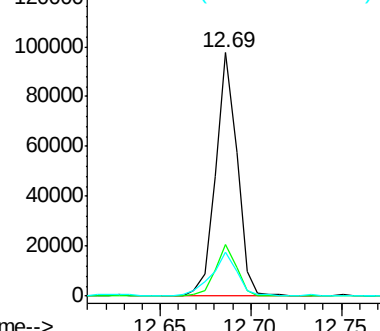
Acq: 24 Aug 2017 20:02

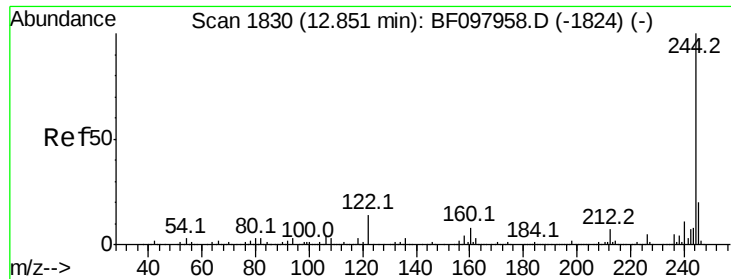
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.9	14.4	21.6

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





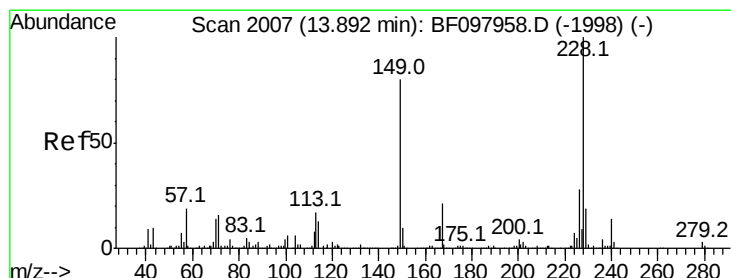
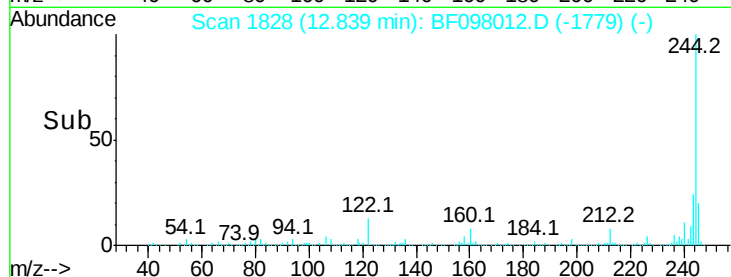
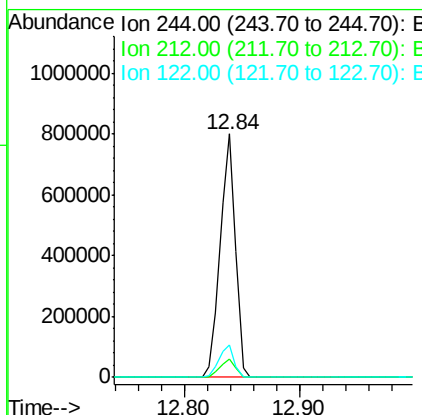
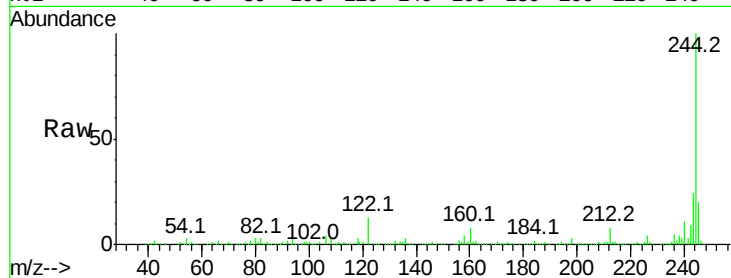
#78
 Terphenyl-d14
 Concen: 56.293 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF098012.D
 Acq: 24 Aug 2017 20:02

Instrument :
 BNA_F
 ClientSampled :
 RWB-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	13.2	10.3	15.5

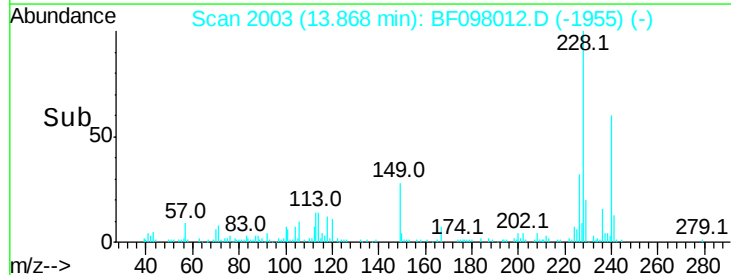
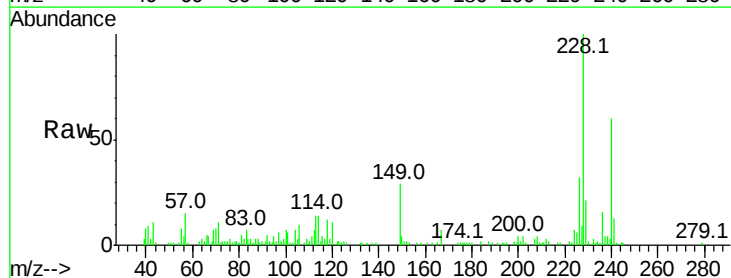
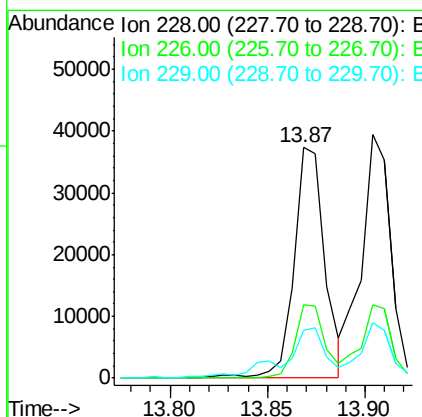
Manual Integrations
 APPROVED

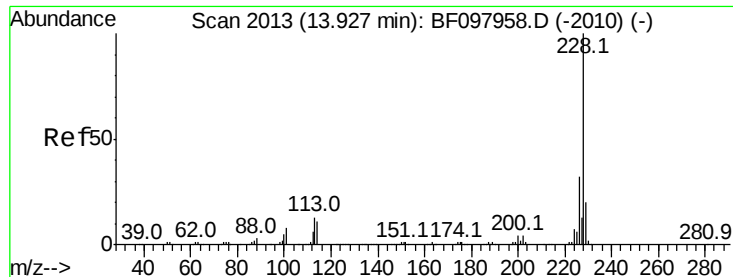
Sohil
 8/25/2017 5:40:12 PM



#80
 Benzo(a)anthracene
 Concen: 2.498 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. -0.02 min
 Lab File: BF098012.D
 Acq: 24 Aug 2017 20:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	20.8	16.3	24.5





#82

Chrysene

Concen: 2.538 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.02 min

Lab File: BF098012.D

Acq: 24 Aug 2017 20:02

Instrument :

BNA_F

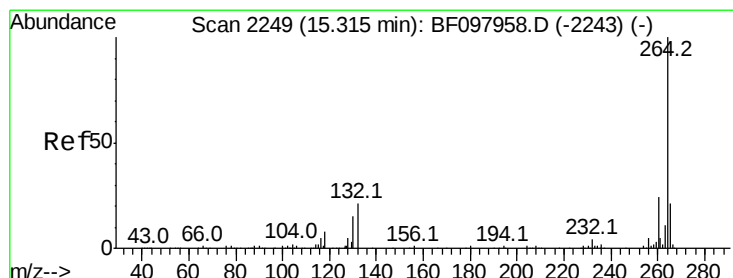
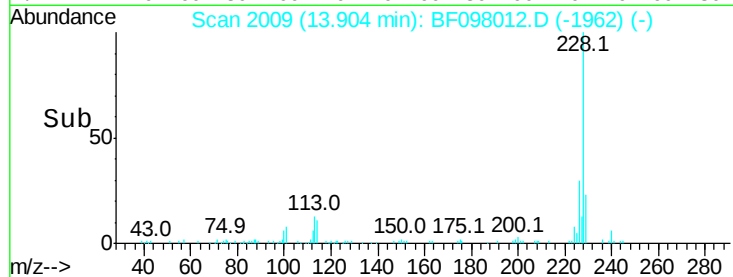
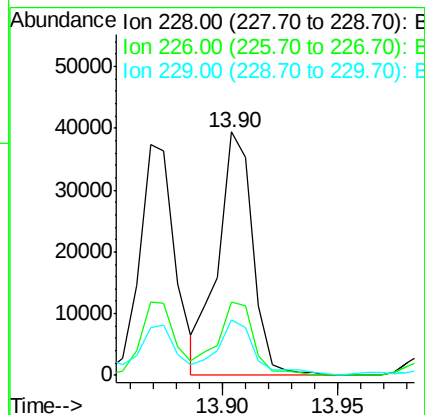
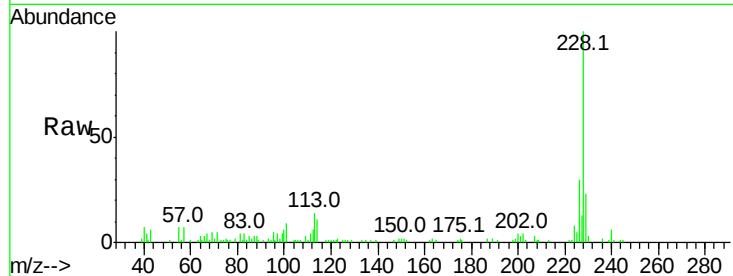
ClientSampled :

RWB-2

Tot Ion:	228	Resp:	41173
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.9	37.3
229	22.8	15.8	23.6

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

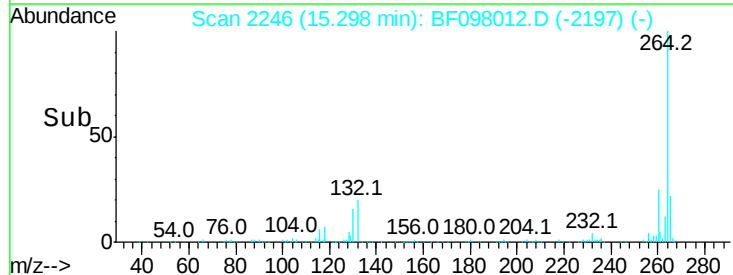
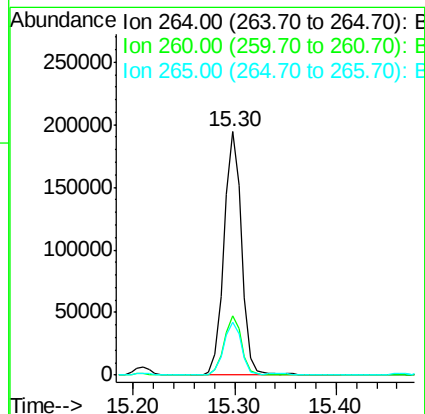
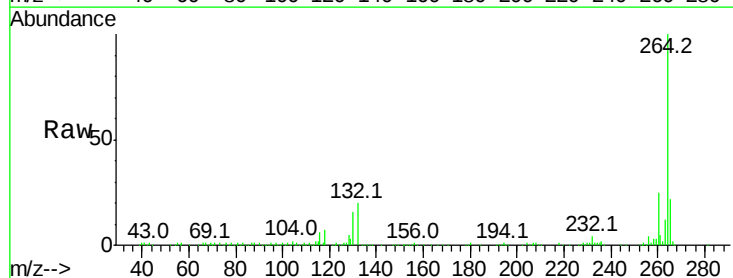
RT: 15.30 min Scan# 2246

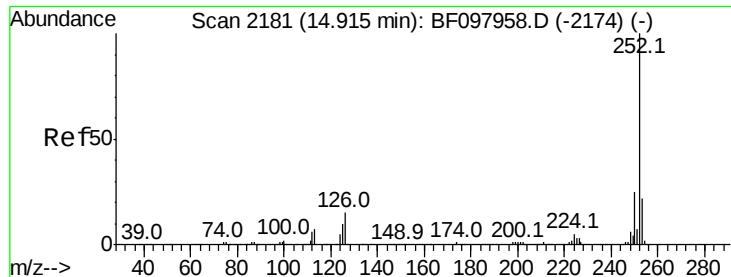
Delta R.T. -0.01 min

Lab File: BF098012.D

Acq: 24 Aug 2017 20:02

Tgt Ion:	264	Resp:	233616
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.5	29.3
265	21.7	17.2	25.8





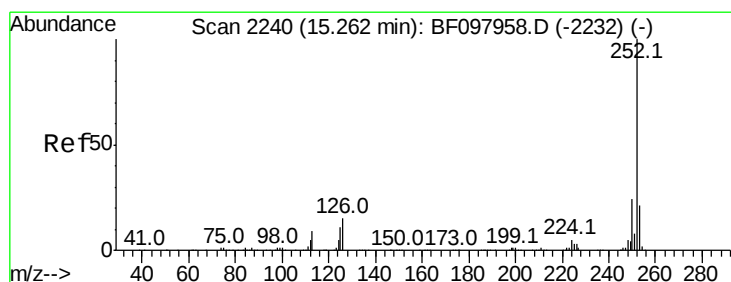
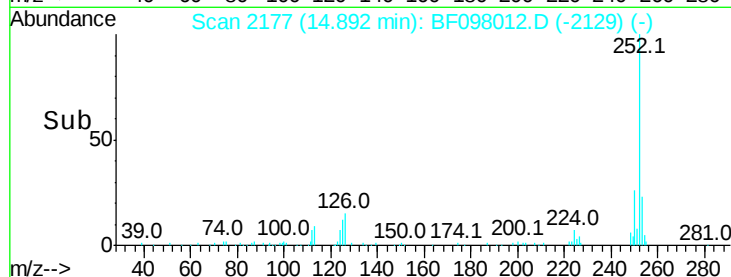
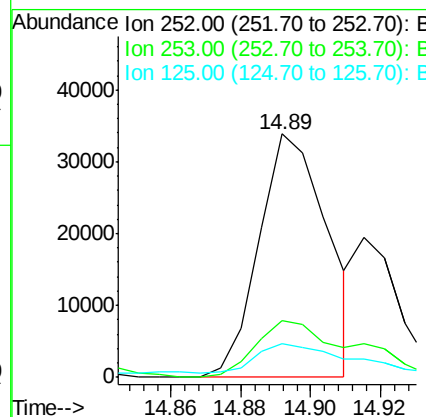
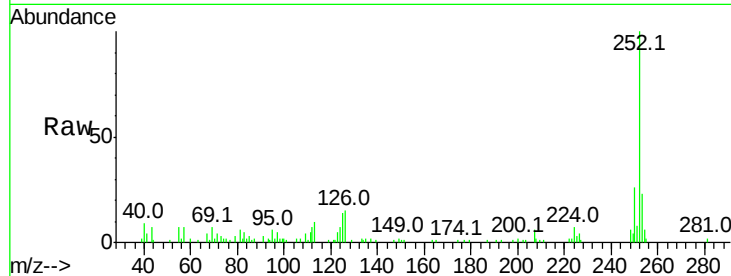
#87
Benzo(b)fluoranthene
Concen: 3.147 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Instrument :
BNA_F
ClientSampled :
RWB-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	13.8	9.8	14.8

Manual Integrations
APPROVED

Sohil
8/25/2017 5:40:12 PM



#89
Benzo(a)pyrene
Concen: 2.530 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF098012.D
Acq: 24 Aug 2017 20:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.5	26.3
125	15.1	11.0	16.4

