

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097469.D
 Acq On : 8 Aug 2017 15:07
 Operator : SJ/JU
 Sample : I4610-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-B

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:16:18 PM

Quant Time: Aug 08 17:53:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 07 16:02:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.40	152	110517	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	434516	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	170869	20.00	ng	-0.01
63) Phenanthrene-d10	10.90	188	301805	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	208726	20.00	ng	-0.01
86) Perylene-d12	14.87	264	32334	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	917570	125.16	ng	0.01
7) Phenol-d6	6.08	99	1011598	120.87	ng	0.00
23) Nitrobenzene-d5	6.98	82	674791	91.10	ng	-0.01
41) 2,4,6-Tribromophenol	10.22	330	202261	149.82	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	1038654	103.16	ng	0.00
78) Terphenyl-d14	12.49	244	796316	77.78	ng	0.00
Target Compounds						
31) Naphthalene	7.71	128	50049m	2.443	ng	Qvalue
51) Acenaphthene	9.46	154	23091	2.378	ng	93
57) Fluorene	9.97	166	29712	3.056	ng	98
70) Phenanthrene	10.93	178	65553	4.054	ng	99

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

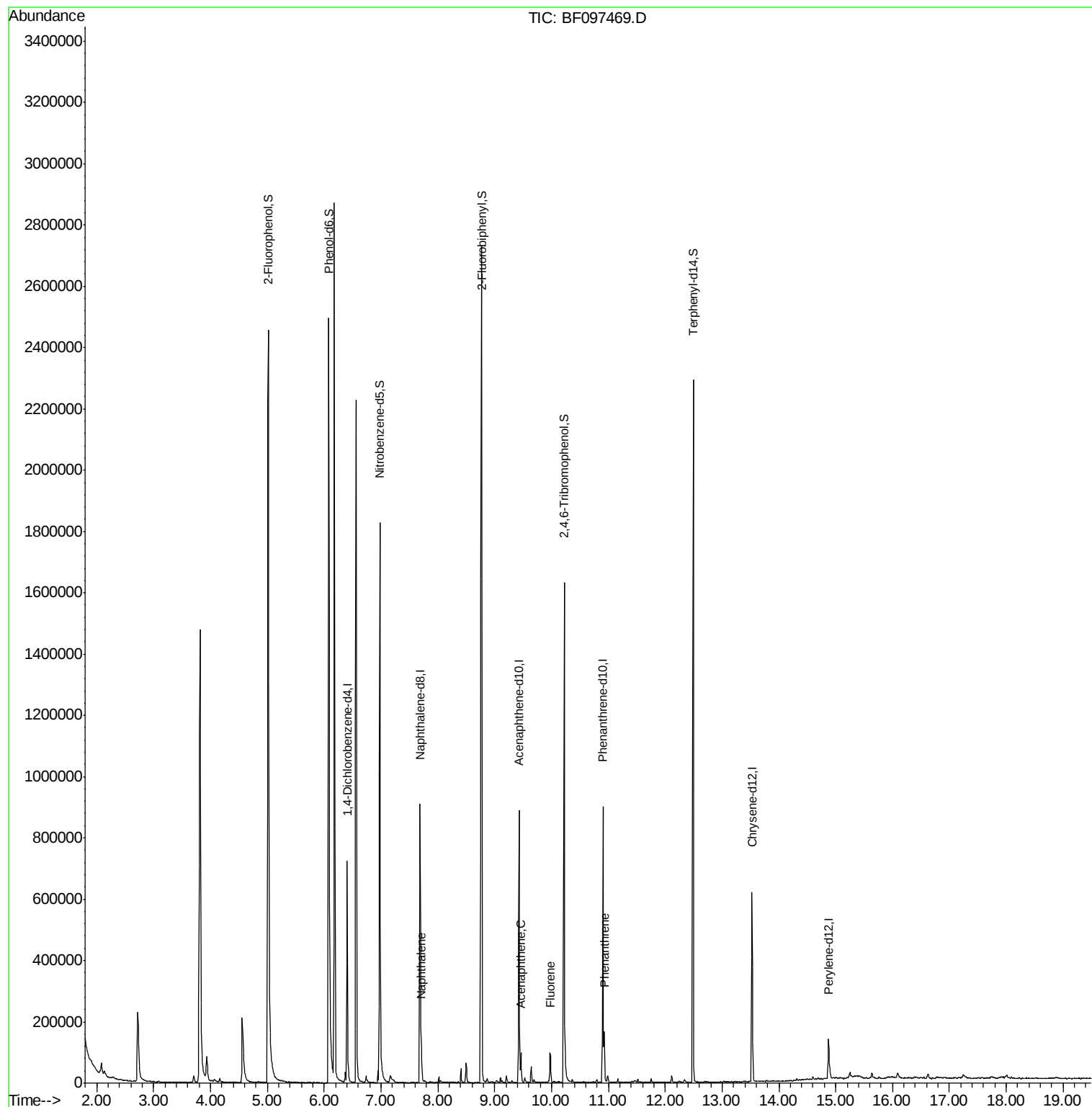
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
Data File : BF097469.D
Acq On : 8 Aug 2017 15:07
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Sample : I4610-06
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ALS Vial : 8 Sample Multiplier: 1

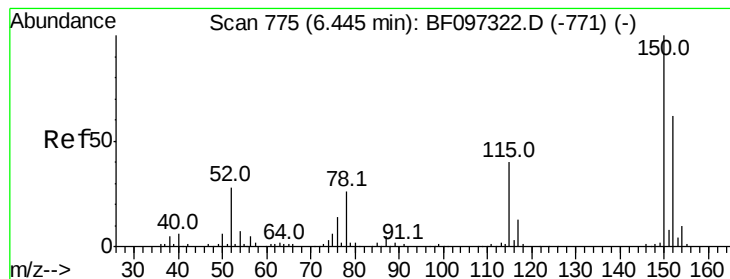
Instrument :
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PL-02-080317-B

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#1

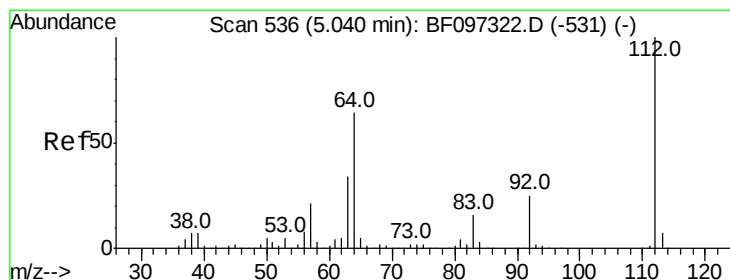
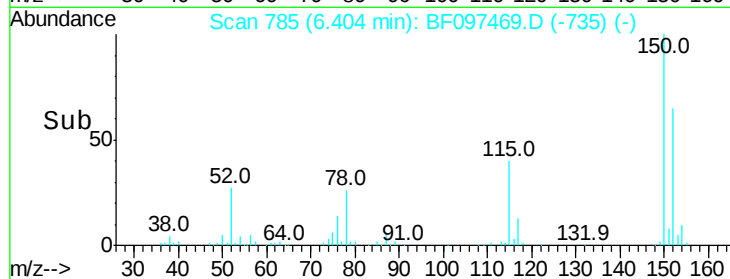
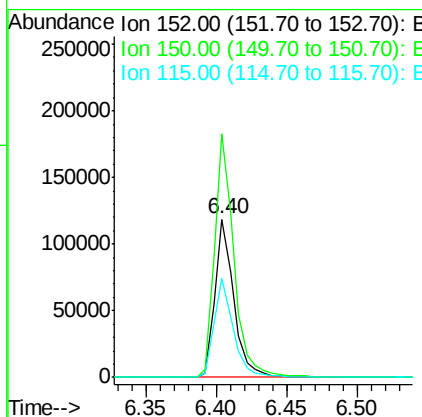
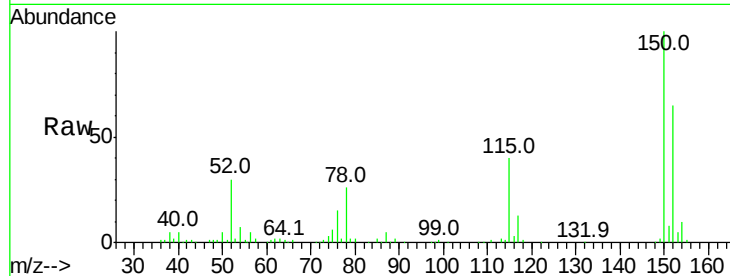
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	62.4	52.2	78.2

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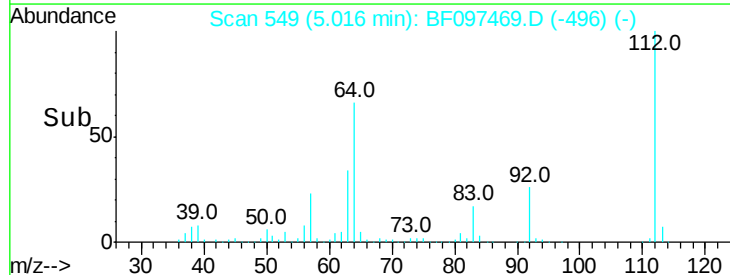
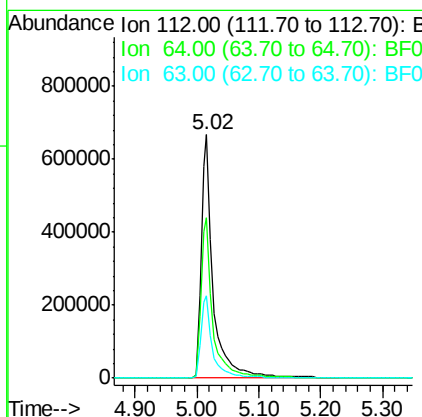
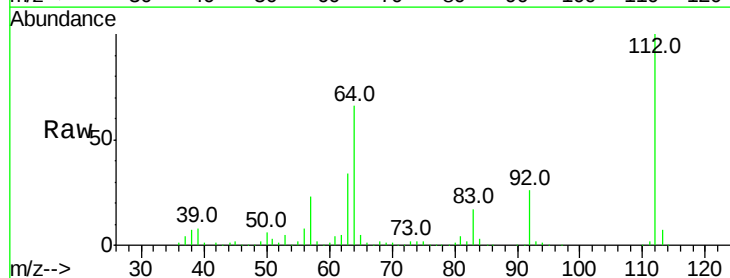
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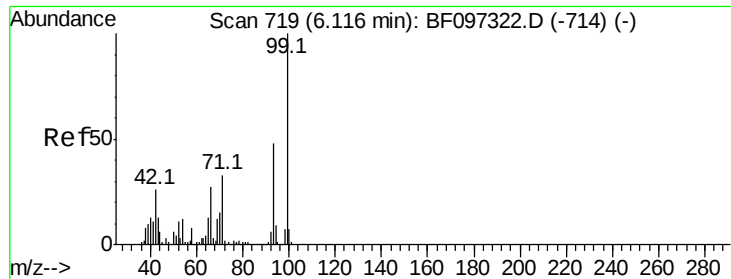


#5

2-Fluorophenol
Concen: 125.160 ng
RT: 5.02 min Scan# 549
Delta R.T. 0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	46.0	69.0
63	33.7	23.4	35.0





#7

Phenol-d6

Concen: 120.868 ng

RT: 6.08 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

Instrument :

BNA_F

ClientSampleId :

PL-02-080317-B

Tot Ion: 99 Resp: 1011598

Ion Ratio Lower Upper

99 100

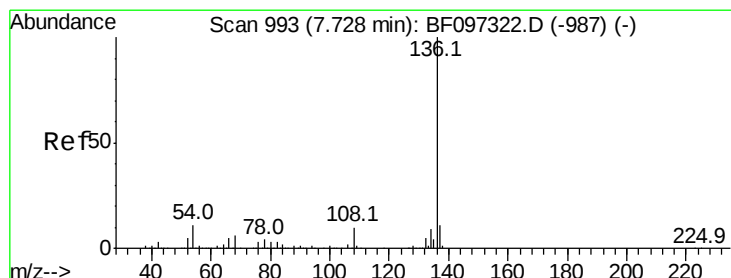
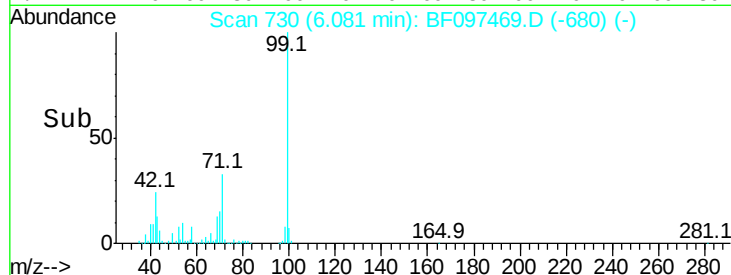
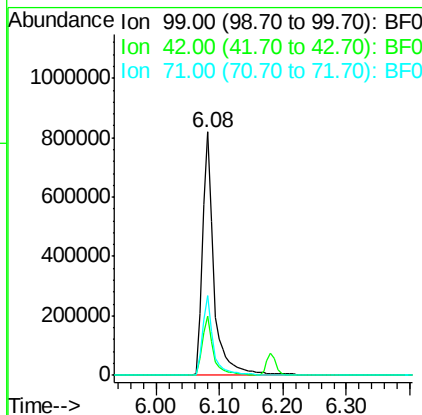
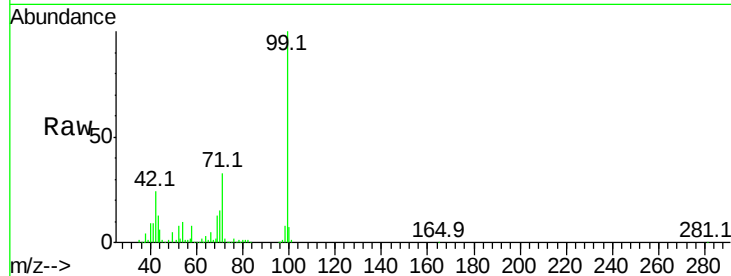
42 24.4 13.5 20.3#

71 32.9 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.69 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

Tgt Ion: 136 Resp: 434516

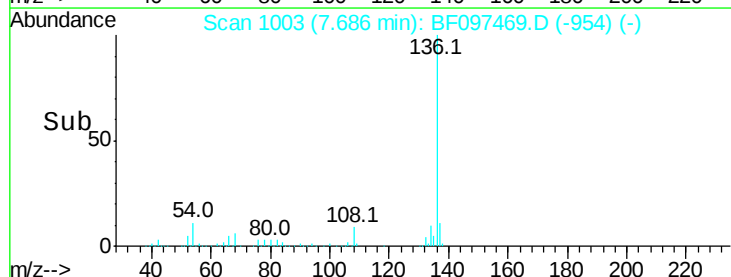
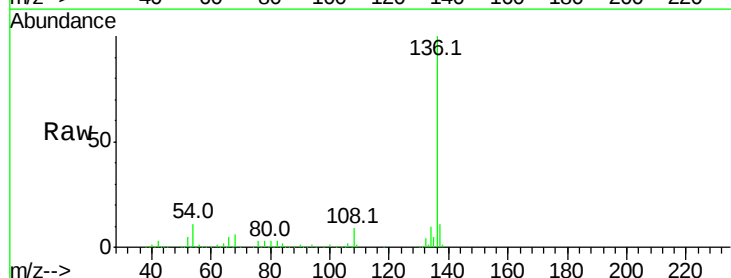
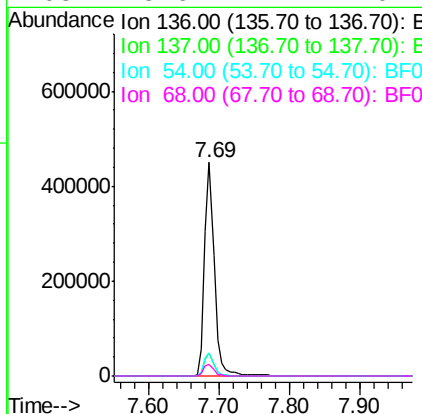
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.5 4.9 7.3#

68 5.6 4.1 6.1





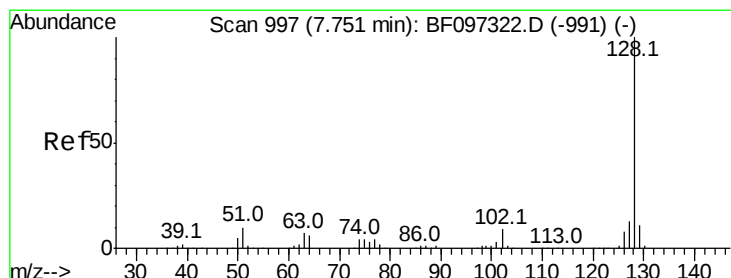
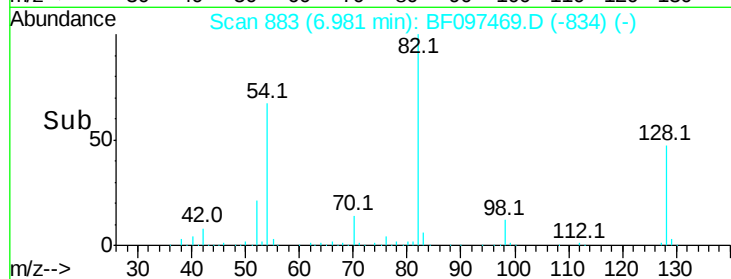
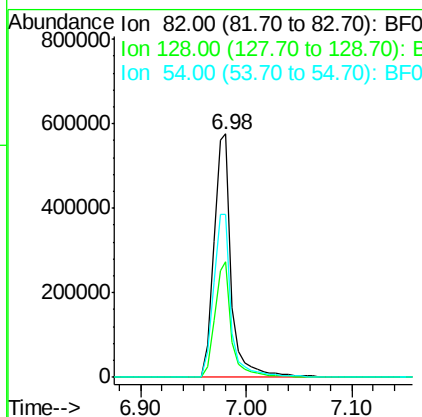
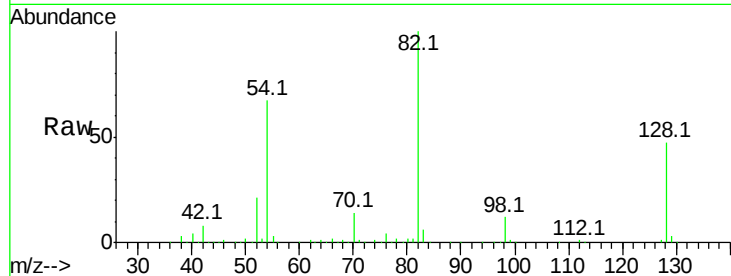
#23
Nitrobenzene-d5
Concen: 91.104 ng
RT: 6.98 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.4	34.0	51.0	
54	67.0	42.2	63.2	

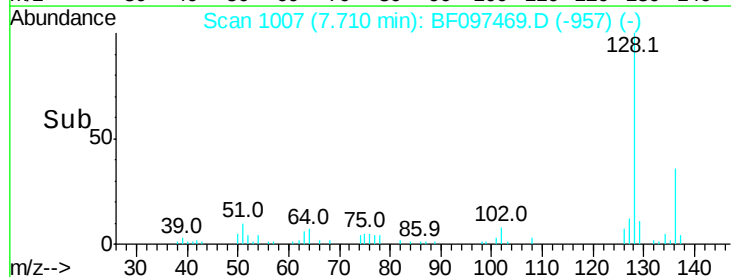
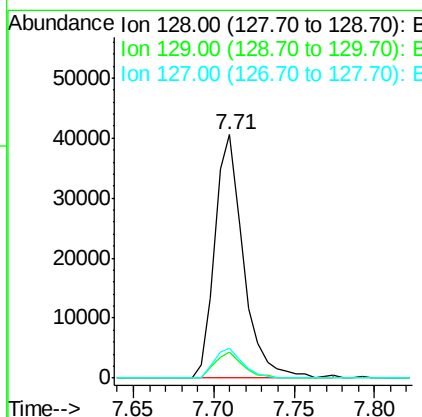
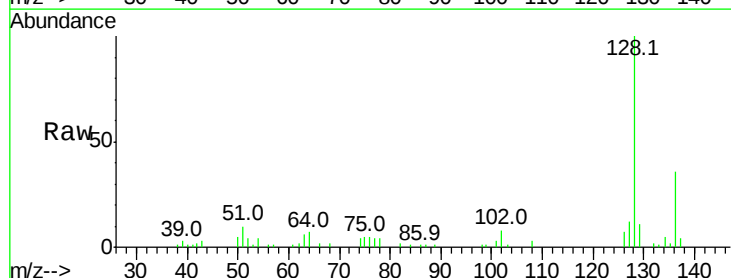
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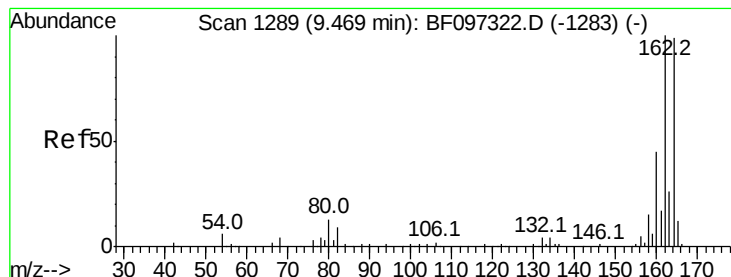
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#31
Naphthalene
Concen: 2.443 ng m
RT: 7.71 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.9	9.0	13.6	
127	12.5	10.8	16.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.43 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

Instrument :

BNA_F

ClientSampleId :

PL-02-080317-B

Tot Ion:164 Resp: 170869

Ion Ratio Lower Upper

164 100

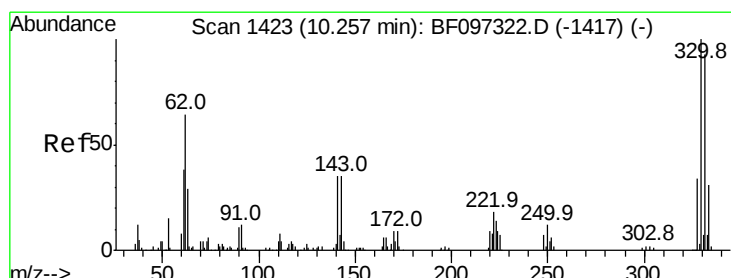
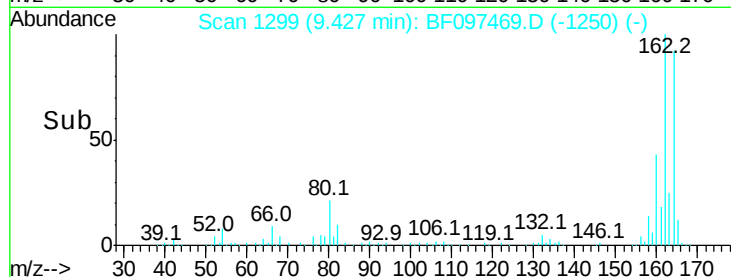
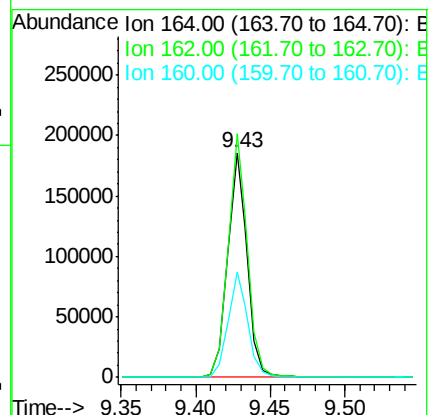
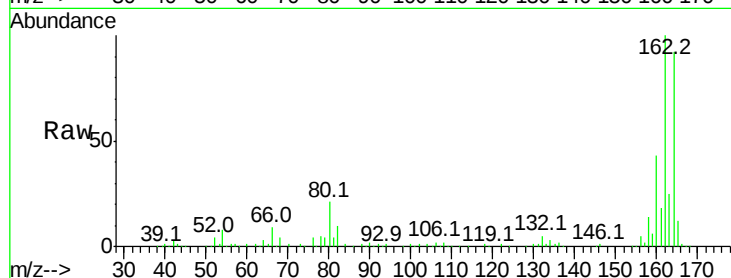
162 108.4 82.6 123.8

160 47.0 36.2 54.2

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 149.820 ng

RT: 10.22 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

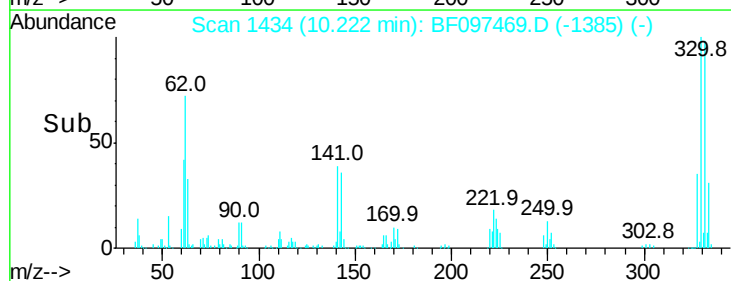
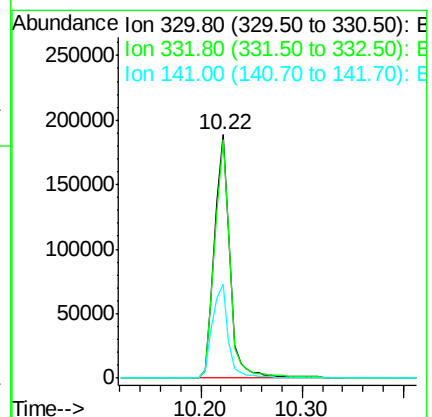
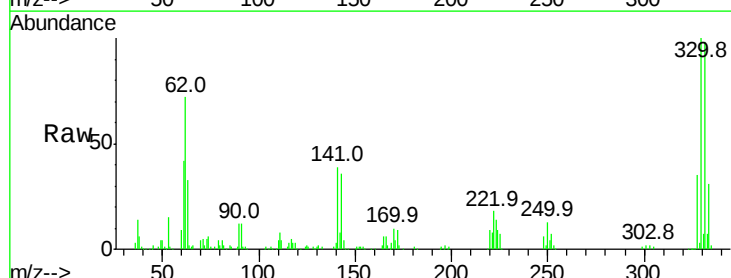
Tgt Ion:330 Resp: 202261

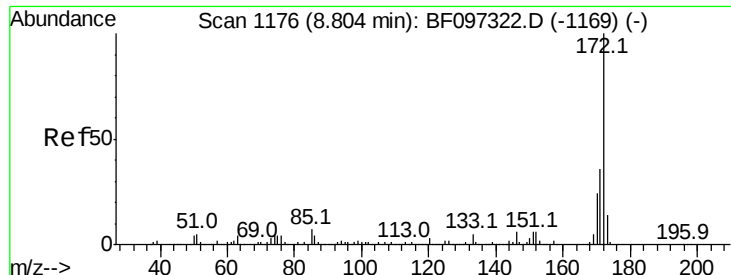
Ion Ratio Lower Upper

330 100

332 97.8 76.6 115.0

141 40.1 31.4 47.2





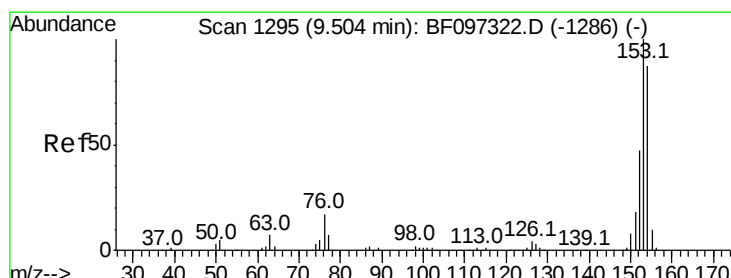
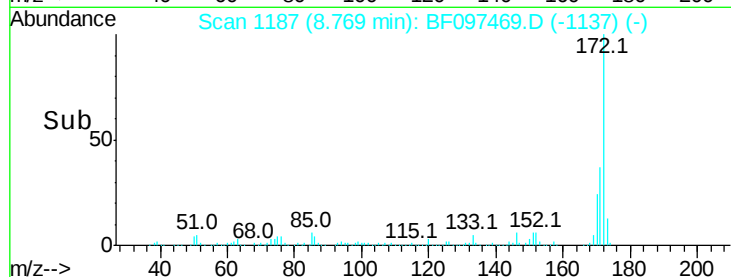
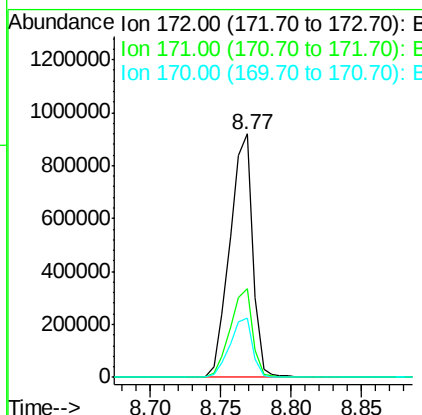
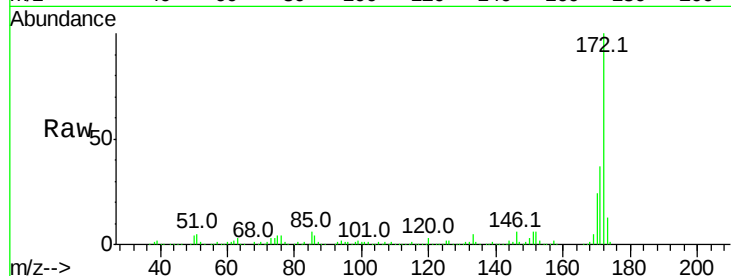
#44
2-Fluorobiphenyl
Concen: 103.161 ng
RT: 8.77 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-B

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.3	19.8	29.8

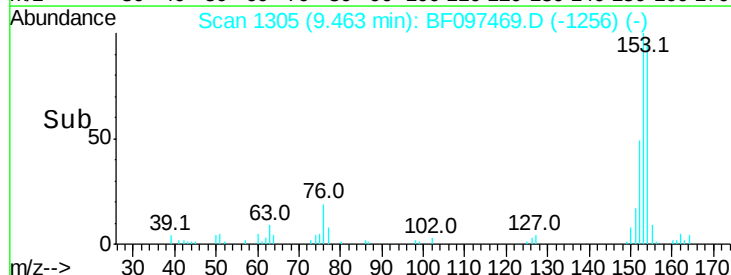
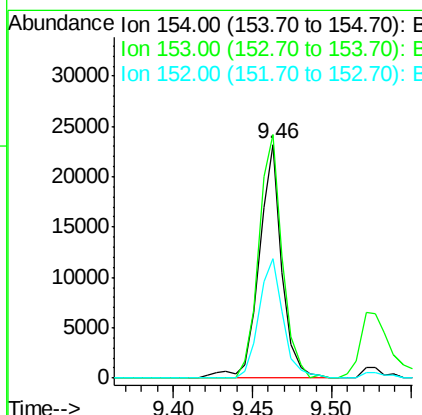
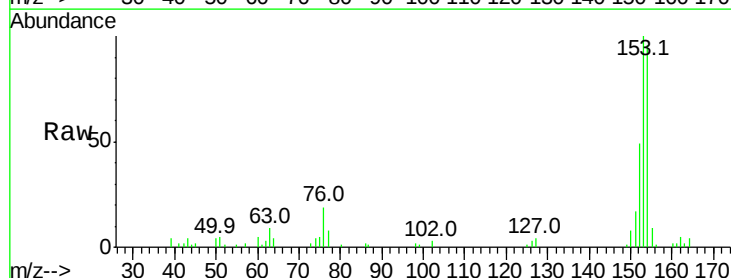
Manual Integrations
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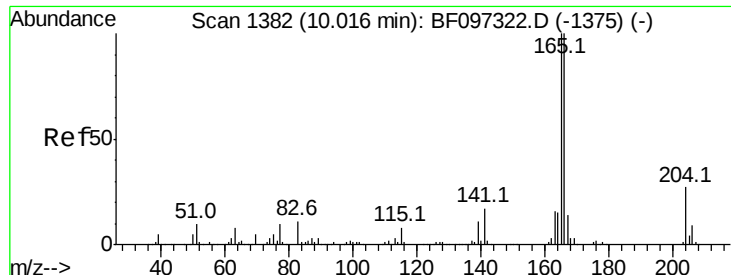
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#51
Acenaphthene
Concen: 2.378 ng
RT: 9.46 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	104.2	90.5	135.7
152	51.1	43.6	65.4





#57

Fluorene

Concen: 3.056 ng

RT: 9.97 min Scan# 1392

Delta R.T. -0.02 min

Lab File: BF097469.D

Acq: 8 Aug 2017 15:07

Instrument :

BNA_F

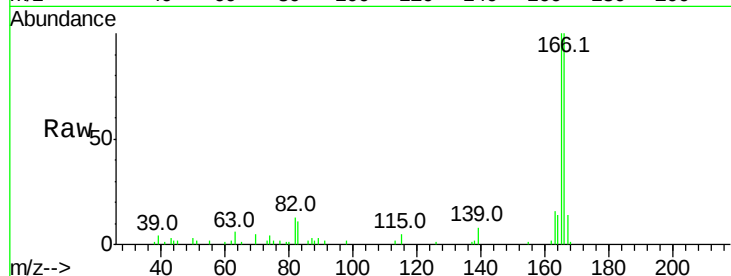
ClientSampleId :

PL-02-080317-B

Tot Ion	Ratio	Resp	Lower	Upper
166	100	29712		
165	100.1	78.8	118.2	
167	14.0	10.6	16.0	

Manual Integrations
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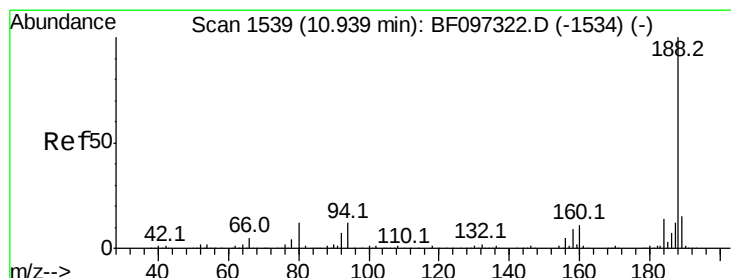
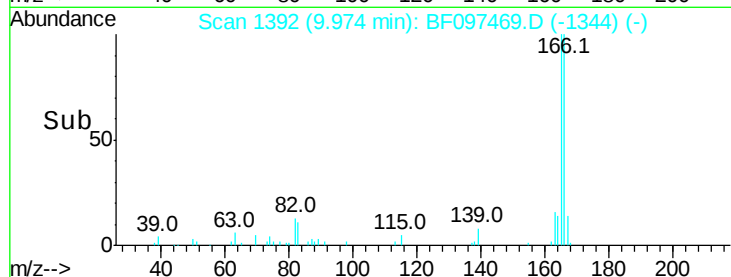
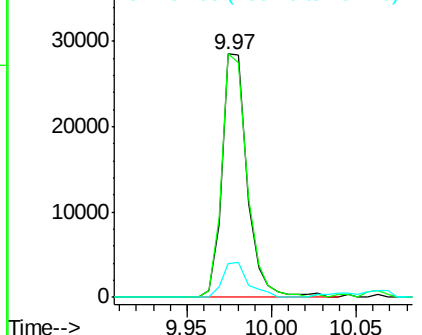
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.90 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BF097469.D

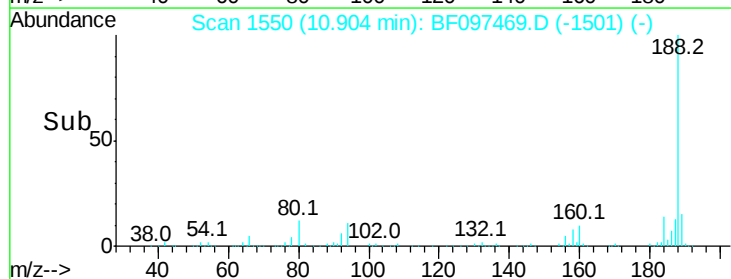
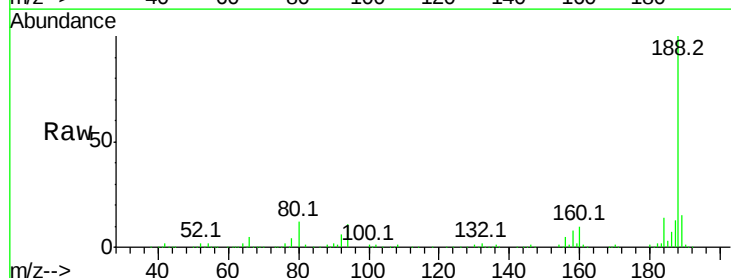
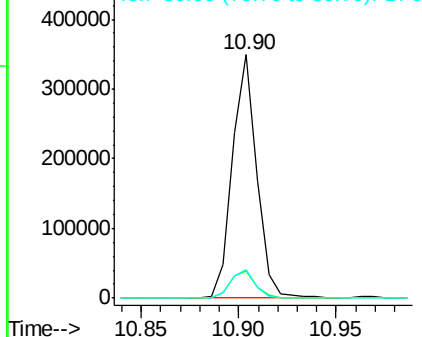
Acq: 8 Aug 2017 15:07

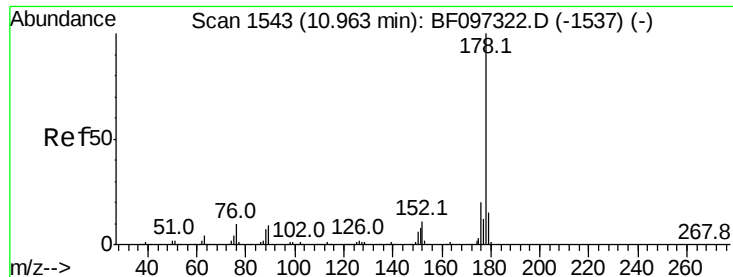
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	301805		
94	11.5	9.4	14.2	
80	11.7	10.2	15.2	

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





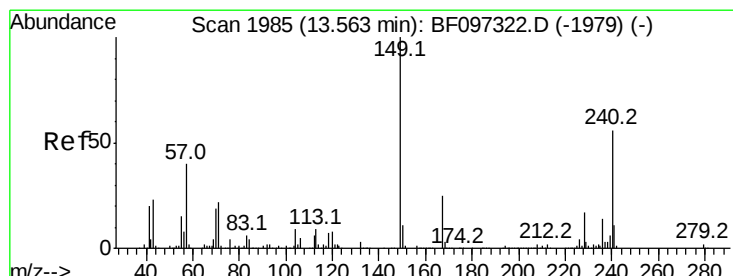
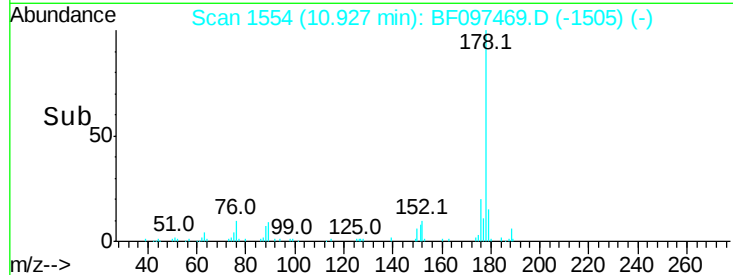
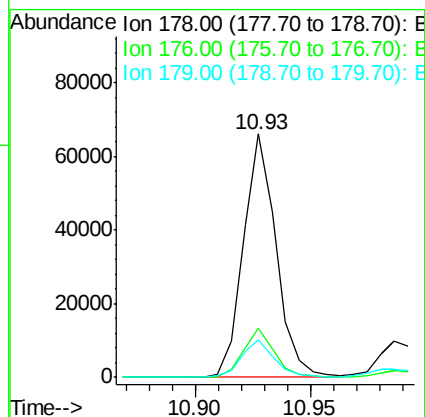
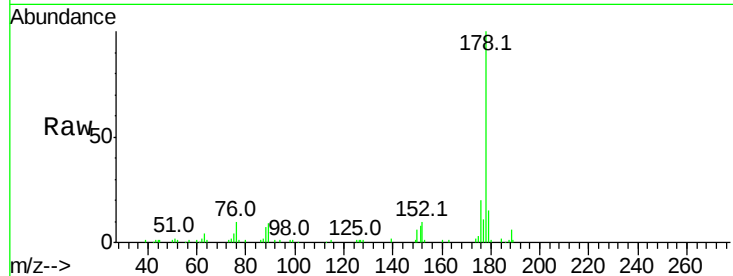
#70
Phenanthrene
Concen: 4.054 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Instrument :
BNA_F
ClientSampleId :
PL-02-080317-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	15.3	12.6	19.0

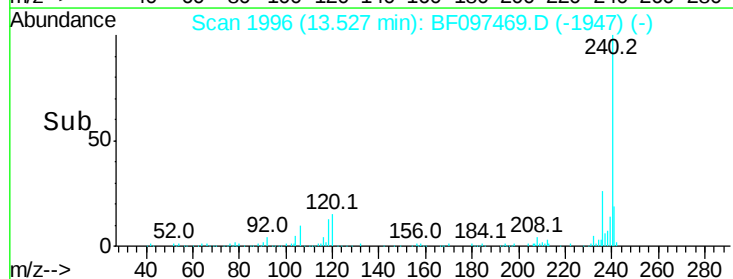
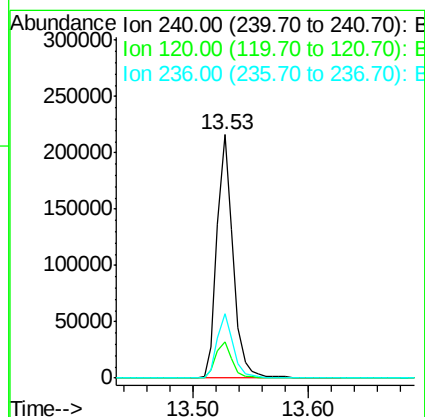
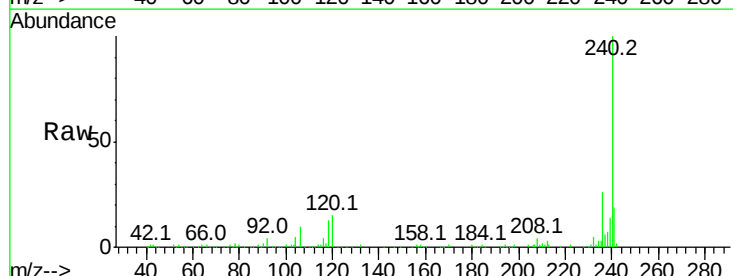
Manual Integrations
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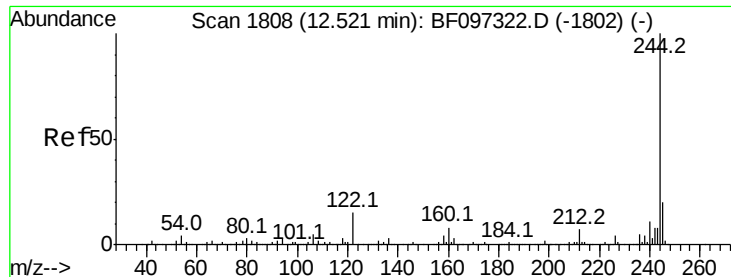
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.53 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF097469.D
Acq: 8 Aug 2017 15:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	26.4	20.5	30.7





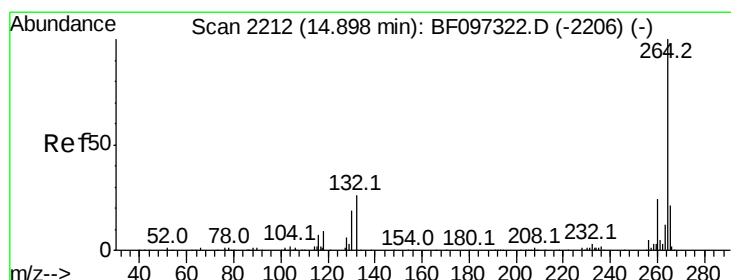
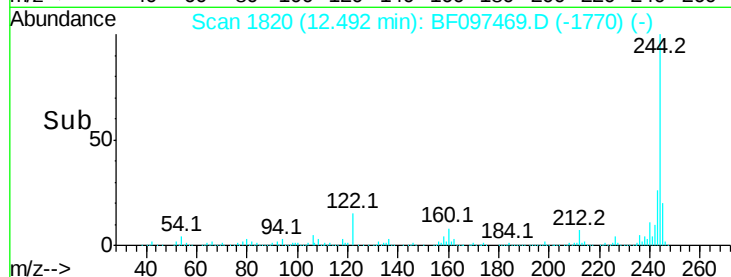
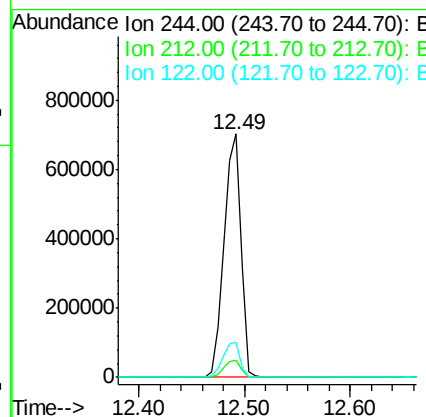
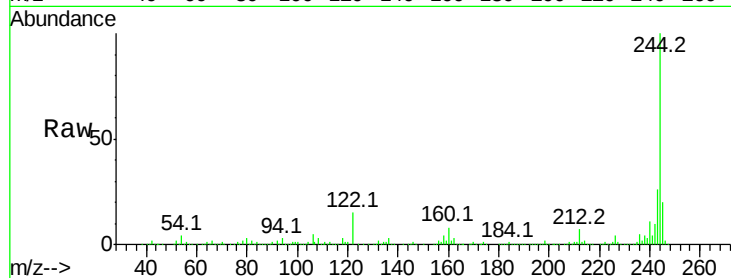
#78
 Terphenyl-d14
 Concen: 77.785 ng
 RT: 12.49 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF097469.D
 Acq: 8 Aug 2017 15:07

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-080317-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.6	10.3	15.5

Manual Integrations
 APPROVED

Sohil
 8/9/2017 7:16:18 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.87 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: BF097469.D
 Acq: 8 Aug 2017 15:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	30.4	19.5	29.3#
265	20.0	17.2	25.8

