

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097342.D
 Acq On : 4 Aug 2017 3:08
 Operator : SJ/JU
 Sample : I4562-13 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-E

Manual Integrations
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 8/4/2017 5:31:01 PM

Quant Time: Aug 04 03:57:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	97897	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	353763	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	127632	20.00	ng	-0.06
63) Phenanthrene-d10	10.94	188	196835	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	163015	20.00	ng	-0.06
86) Perylene-d12	14.91	264	106790	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	136664	21.04	ng	-0.05
7) Phenol-d6	6.12	99	176819	23.85	ng	-0.05
23) Nitrobenzene-d5	7.02	82	87710	14.54	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	19249	19.09	ng	-0.06
44) 2-Fluorobiphenyl	8.80	172	157114	20.89	ng	-0.06
78) Terphenyl-d14	12.52	244	111746	13.98	ng	-0.06
Target Compounds						
70) Phenanthrene	10.96	178	57105	5.415	ng	Qvalue 97
74) Fluoranthene	12.15	202	74732	7.233	ng	97
77) Pyrene	12.37	202	71473	5.356	ng	98
80) Benzo(a)anthracene	13.55	228	27958	2.651	ng	97
82) Chrysene	13.59	228	26907m	2.612	ng	
87) Benzo(b)fluoranthene	14.56	252	23335m	3.635	ng	
89) Benzo(a)pyrene	14.86	252	16061	2.734	ng	# 69

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

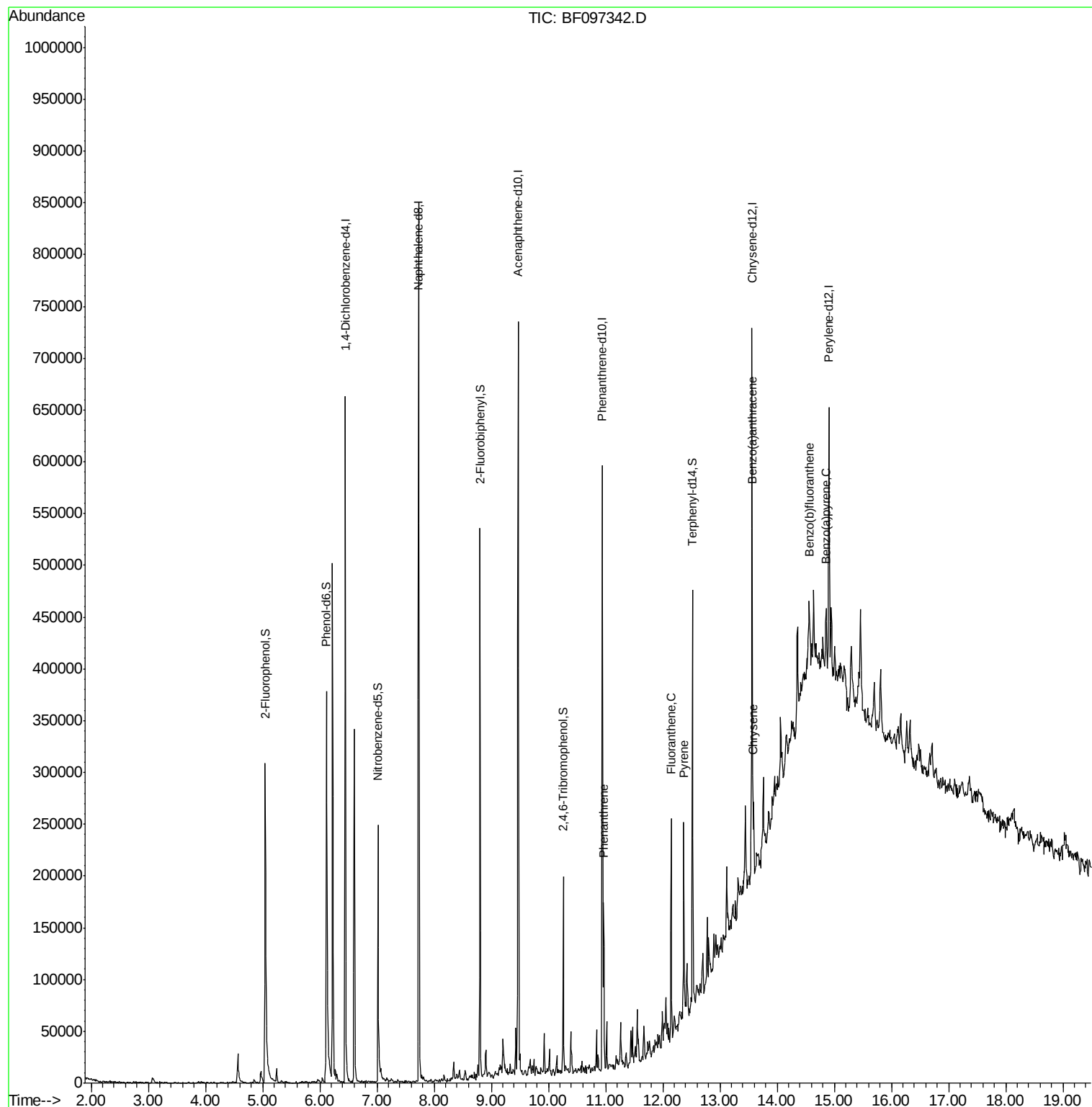
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
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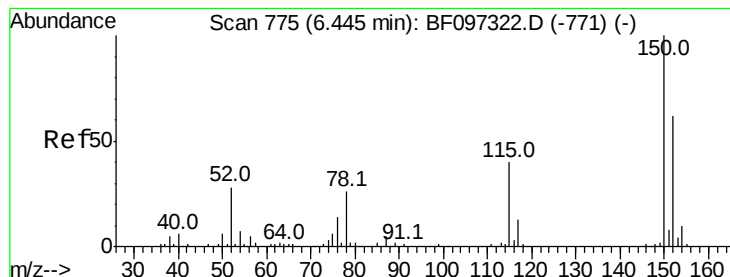
Instrument :
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JC-02-080117-E

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.45 min Scan# 775

Delta R.T. -0.05 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-E

Tot Ion:152 Resp: 97897

Ion Ratio Lower Upper

152 100

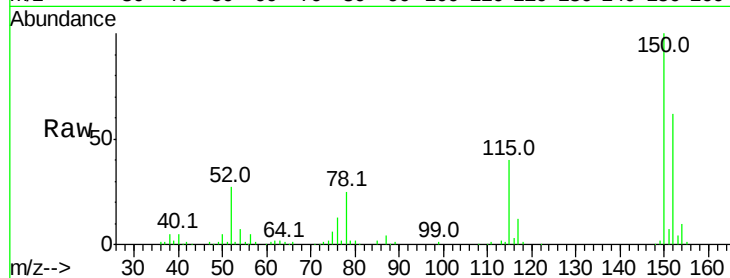
150 161.1 126.2 189.2

115 64.6 52.2 78.2

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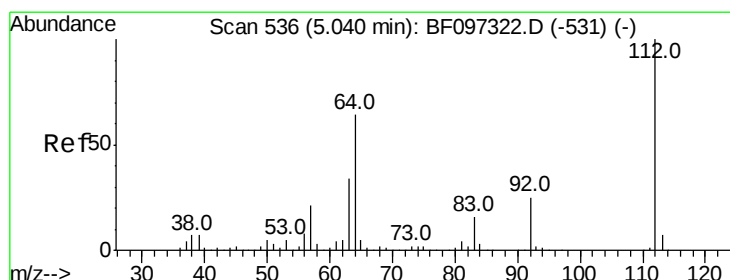
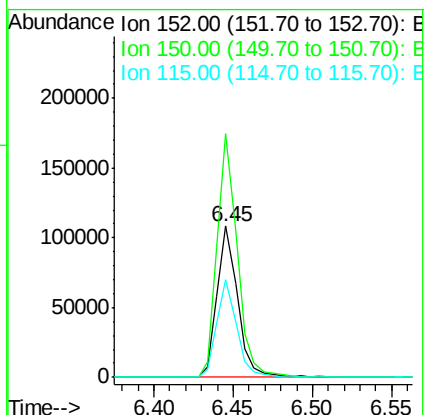
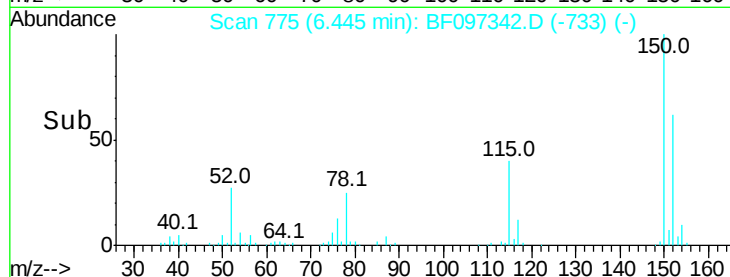
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 21.045 ng

RT: 5.05 min Scan# 537

Delta R.T. -0.05 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

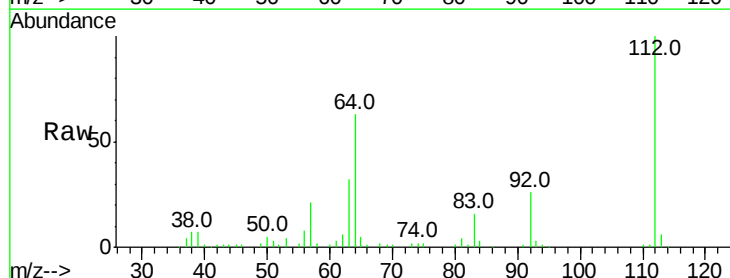
Tgt Ion:112 Resp: 136664

Ion Ratio Lower Upper

112 100

64 63.2 46.0 69.0

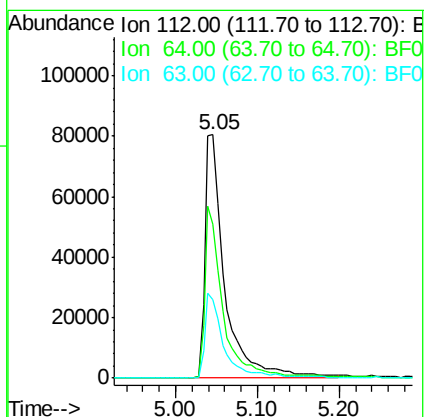
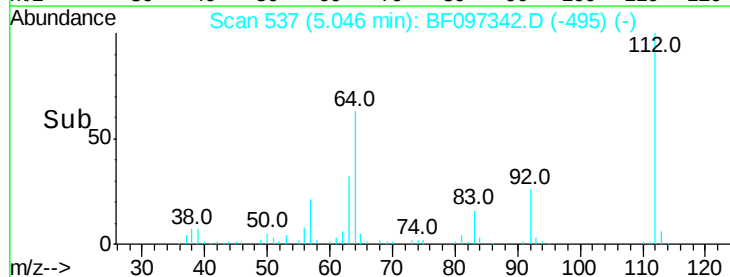
63 32.4 23.4 35.0



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: 23.850 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097342.D

Acq: 4 Aug 2017 3:08

Instrument :

BNA_F

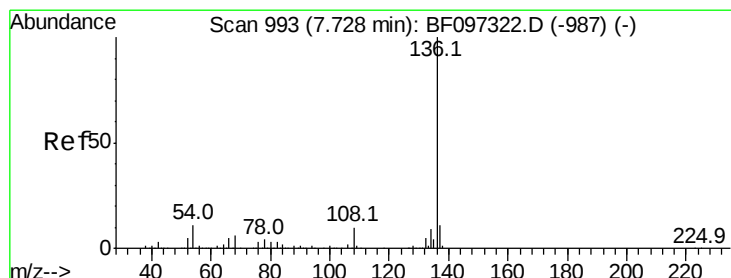
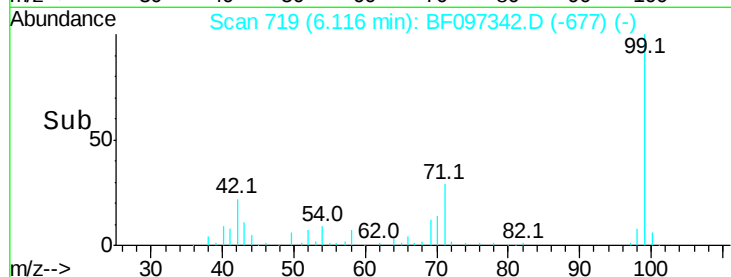
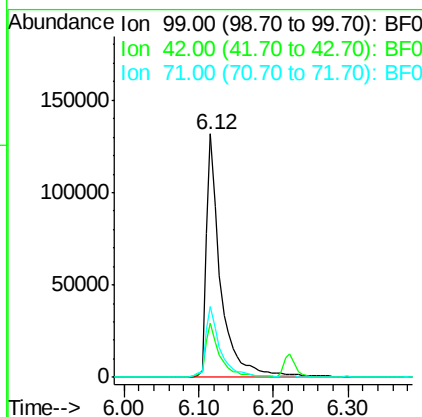
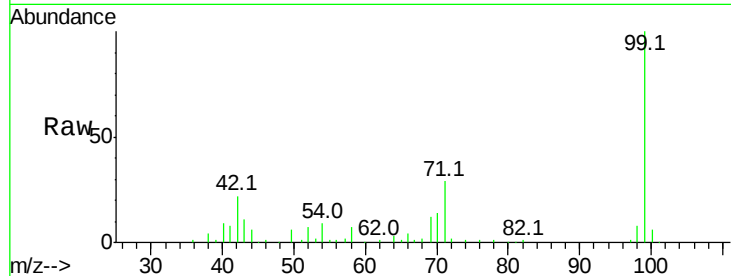
ClientSampleId :

JC-02-080117-E

Tot Ion:	99	Resp:	176819
Ion Ratio	Lower	Upper	
99	100		
42	22.2	13.5	20.3#
71	29.1	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

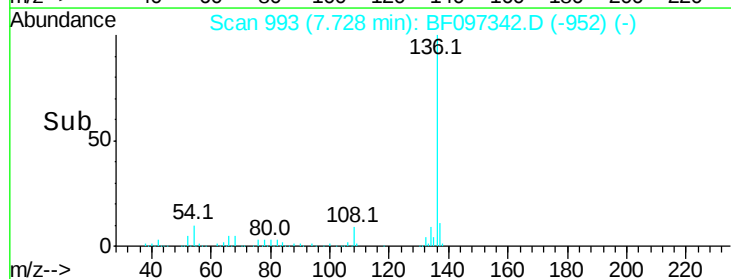
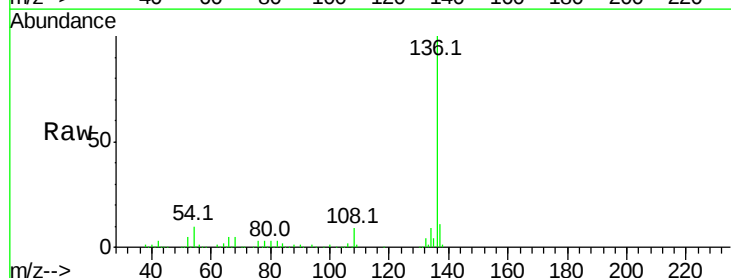
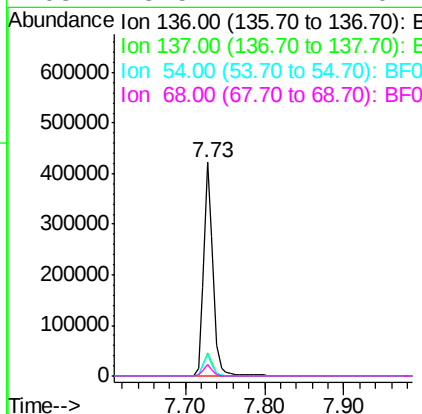
RT: 7.73 min Scan# 993

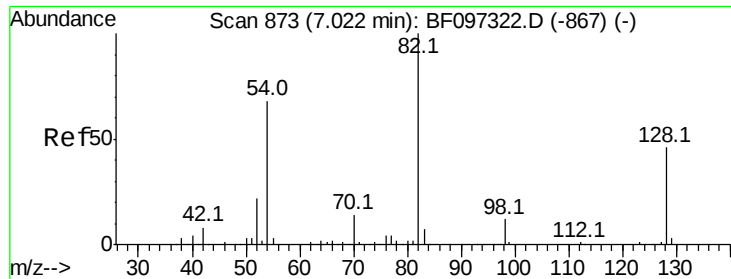
Delta R.T. -0.06 min

Lab File: BF097342.D

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Tgt Ion:	136	Resp:	353763
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	10.3	4.9	7.3#
68	5.5	4.1	6.1





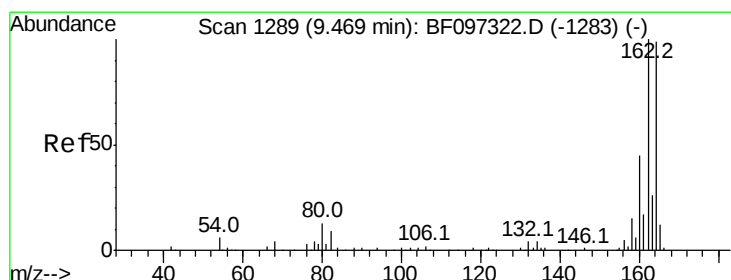
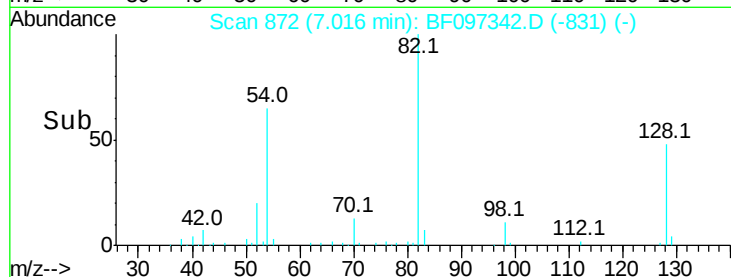
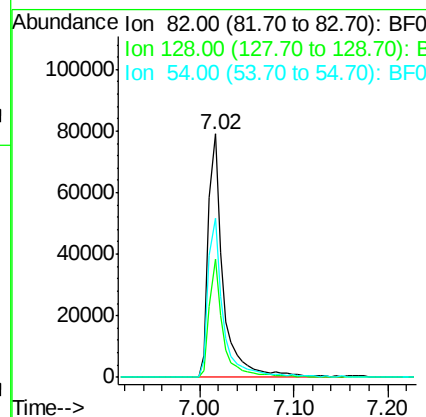
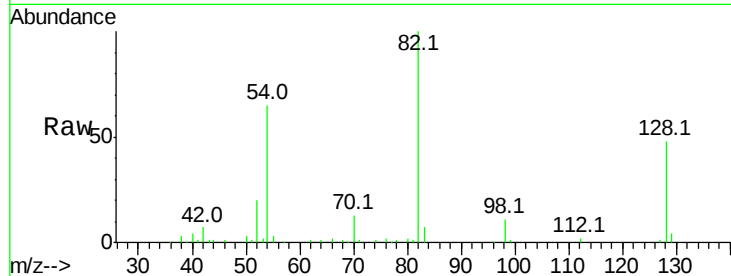
#23
 Nitrobenzene-d5
 Concen: 14.545 ng
 RT: 7.02 min Scan# 872
 Delta R.T. -0.06 min
 Lab File: BF097342.D
 Acq: 4 Aug 2017 3:08

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-E

Tot Ion	82	Resp	87710
Ion Ratio	100	Lower	Upper
128	48.3	34.0	51.0
54	65.4	42.2	63.2#

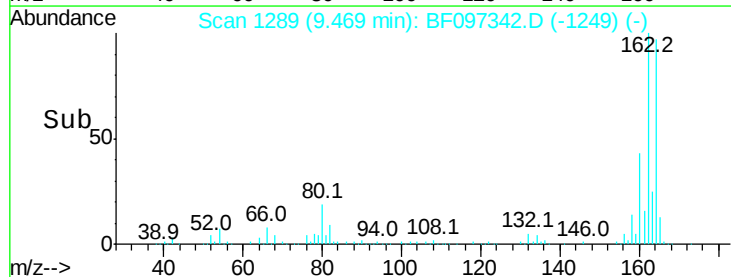
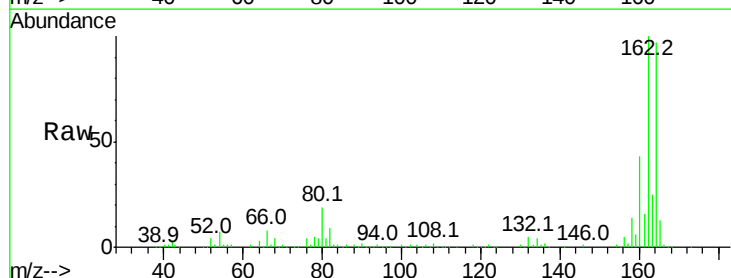
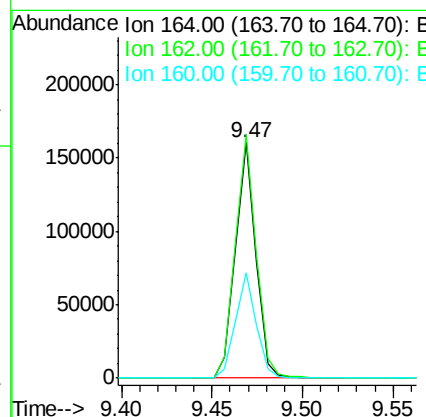
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.06 min
 Lab File: BF097342.D
 Acq: 4 Aug 2017 3:08

Tgt Ion	164	Resp	127632
Ion Ratio	100	Lower	Upper
162	103.2	82.6	123.8
160	44.6	36.2	54.2





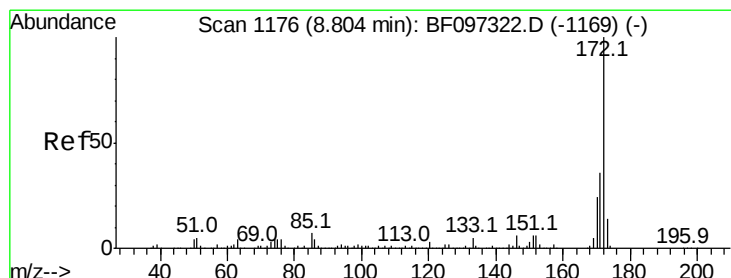
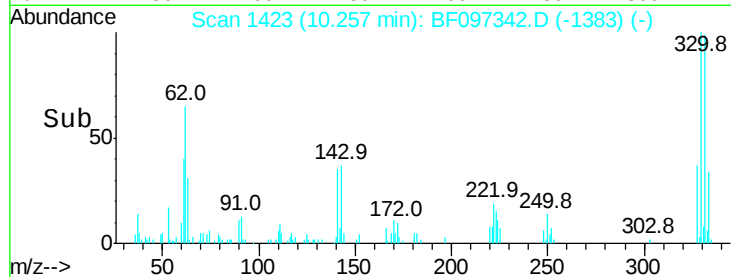
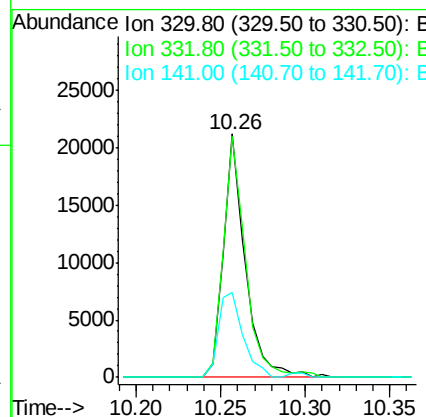
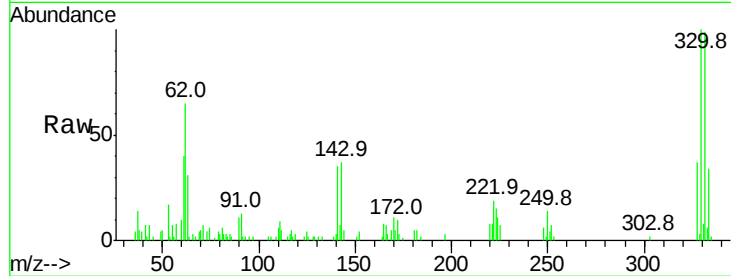
#41
 2,4,6-Tribromophenol
 Concen: 19.088 ng
 RT: 10.26 min Scan# 1423
 Delta R.T. -0.06 min
 Lab File: BF097342.D
 Acq: 4 Aug 2017 3:08

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-E

Tot Ion	Ratio	Resp	Lower	Upper
330	100	19249		
332	100.9	76.6	115.0	
141	39.2	31.4	47.2	

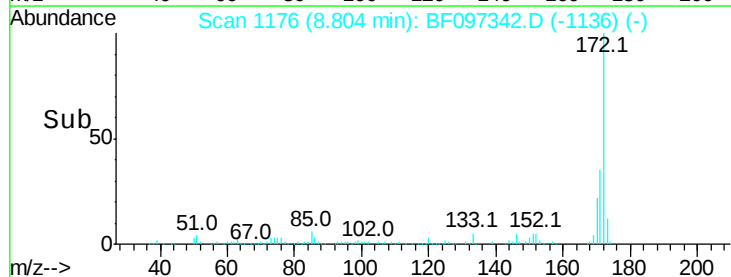
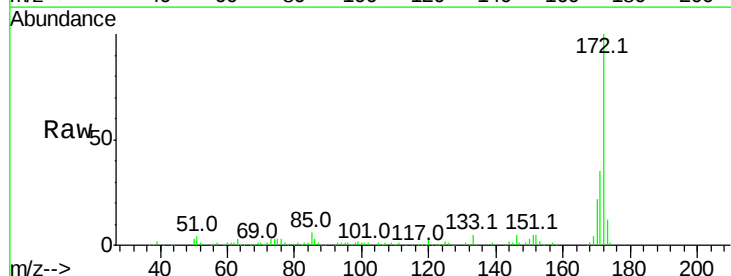
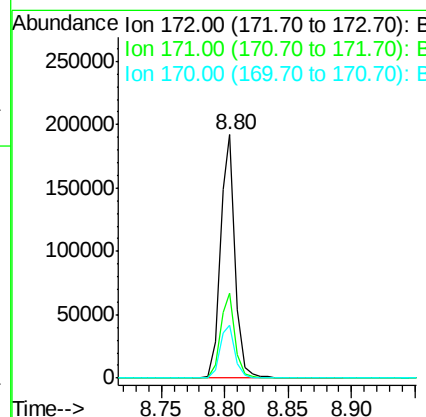
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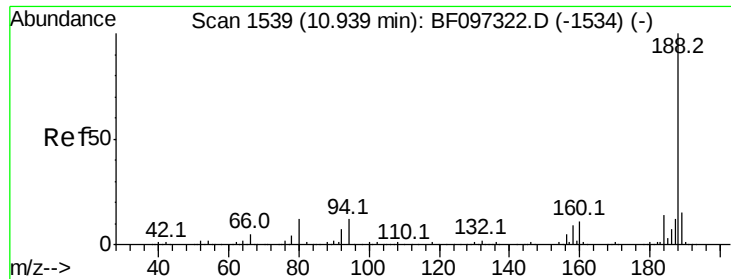
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#44
 2-Fluorobiphenyl
 Concen: 20.891 ng
 RT: 8.80 min Scan# 1176
 Delta R.T. -0.06 min
 Lab File: BF097342.D
 Acq: 4 Aug 2017 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	157114		
171	34.9	29.6	44.4	
170	21.8	19.8	29.8	





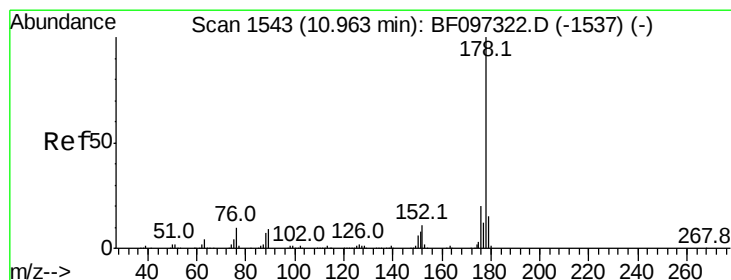
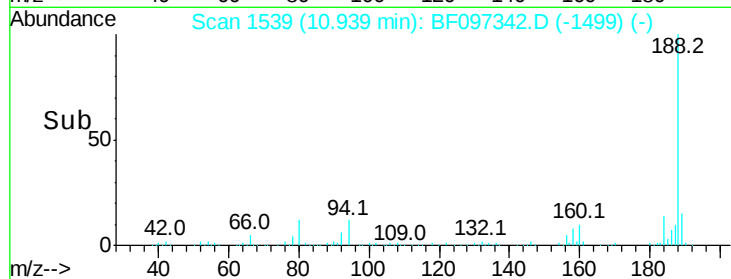
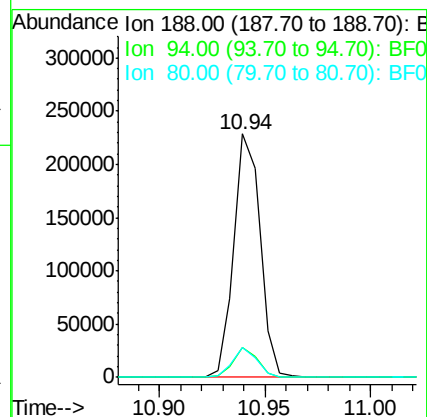
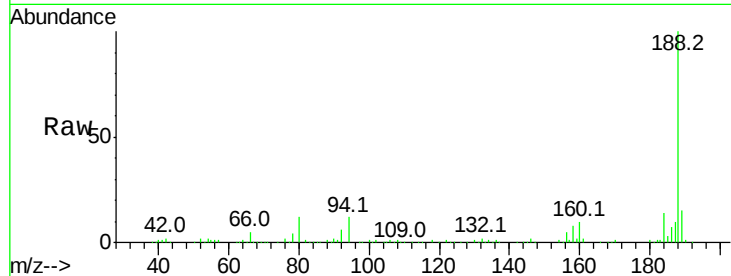
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.94 min Scan# 1539
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-E

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.0	9.4	14.2
80	12.3	10.2	15.2

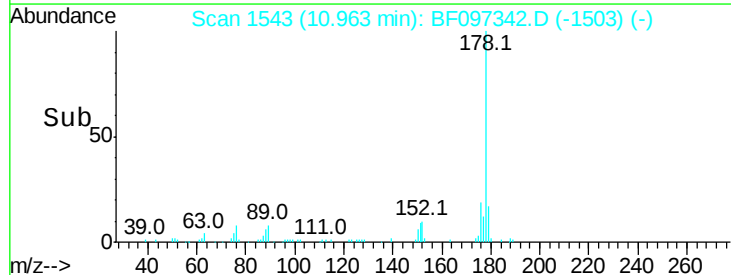
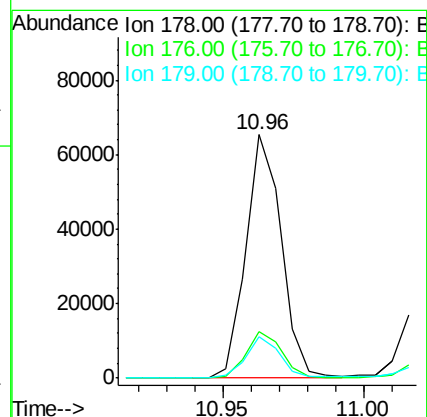
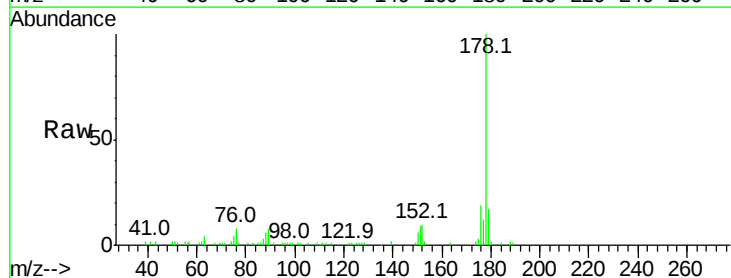
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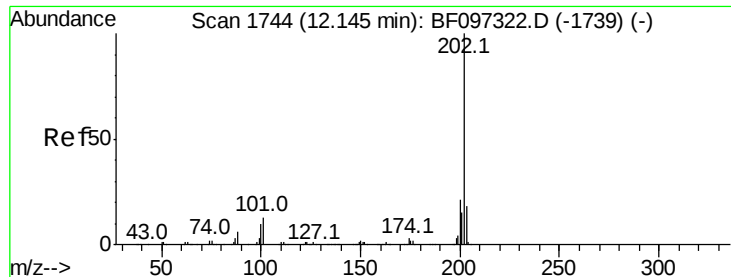
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#70
Phenanthrene
Concen: 5.415 ng
RT: 10.96 min Scan# 1543
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	16.2	24.4
179	17.0	12.6	19.0





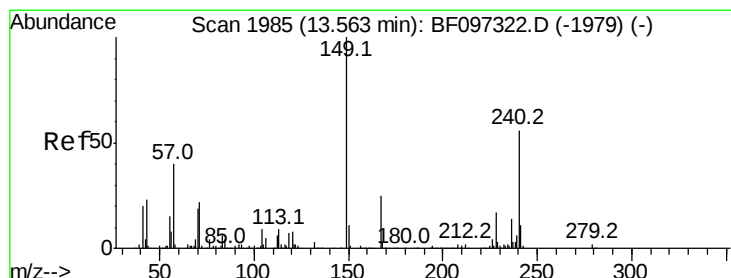
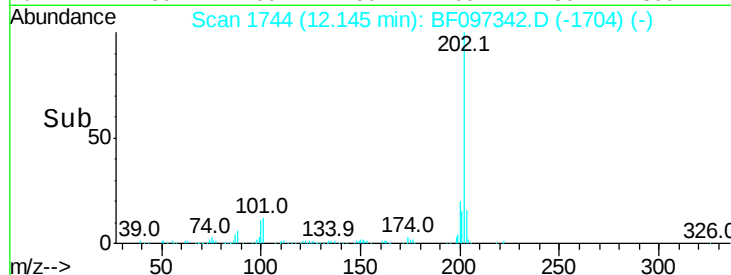
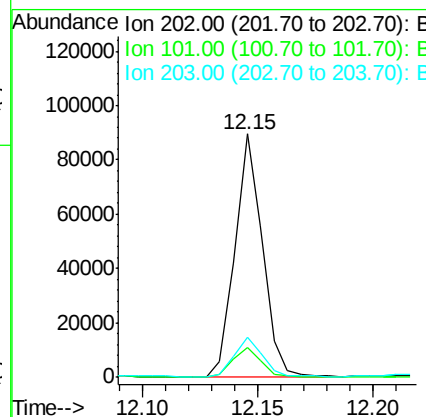
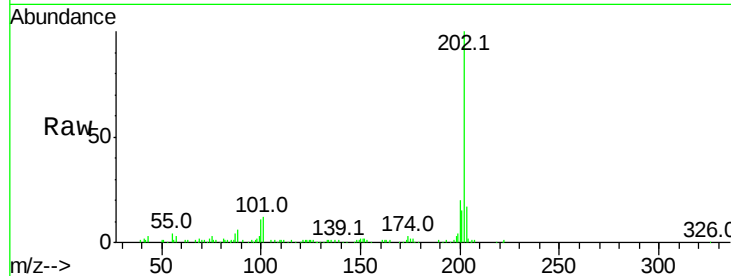
#74
Fluoranthene
 Concen: 7.233 ng
 RT: 12.15 min Scan# 1744
 Delta R.T. -0.06 min
 Lab File: BF097342.D
 Acq: 4 Aug 2017 3:08

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-080117-E

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	33.2
203	16.6	0.0	38.1

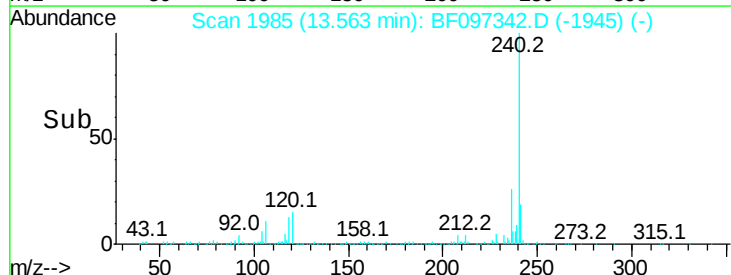
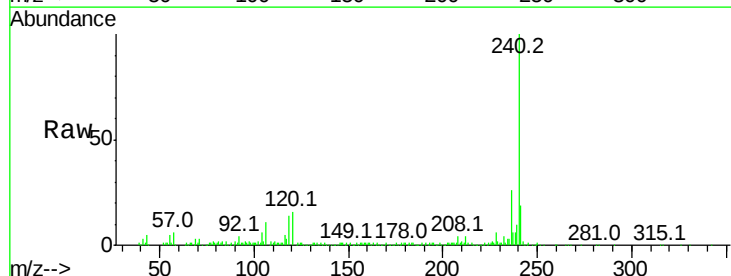
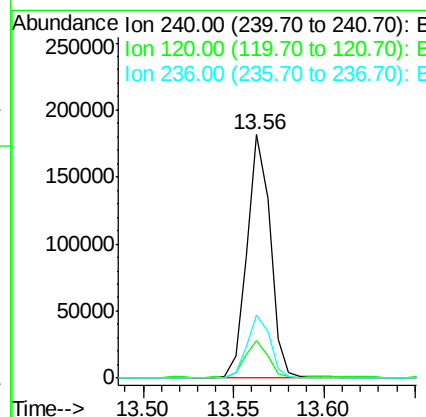
Manual Integrations
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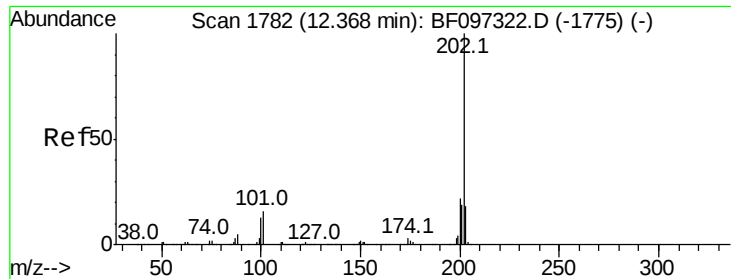
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#75
Chrysene-d12
 Concen: 20.000 ng
 RT: 13.56 min Scan# 1985
 Delta R.T. -0.06 min
 Lab File: BF097342.D
 Acq: 4 Aug 2017 3:08

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.5	5.8	8.8#
236	26.1	20.5	30.7





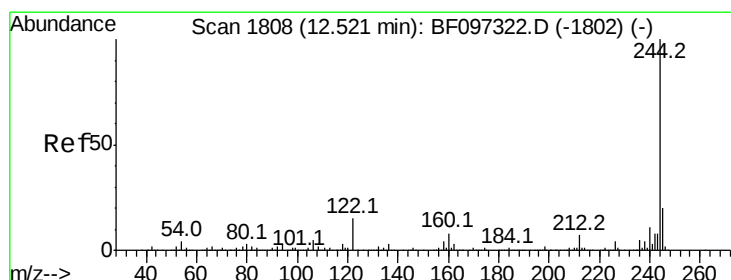
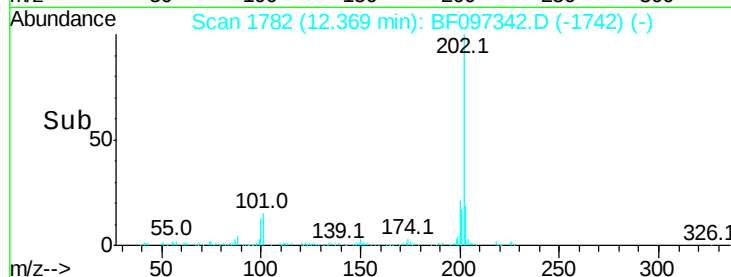
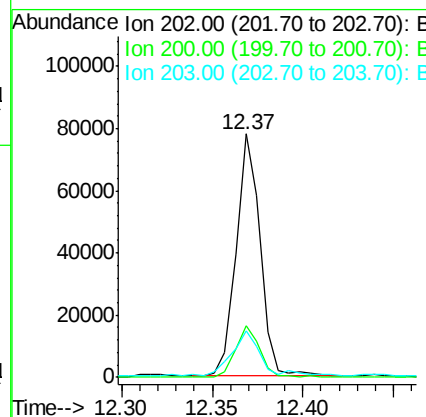
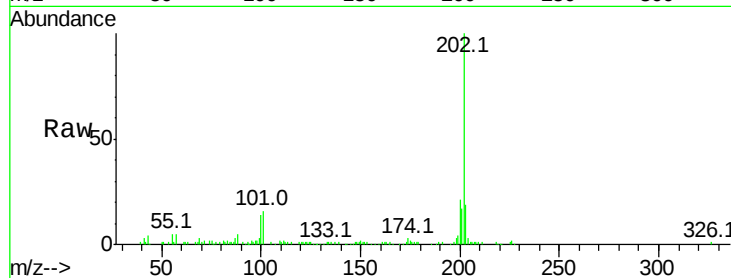
#77
Pvrene
Concen: 5.356 ng
RT: 12.37 min Scan# 1782
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-E

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.6	26.4
203	18.9	14.4	21.6

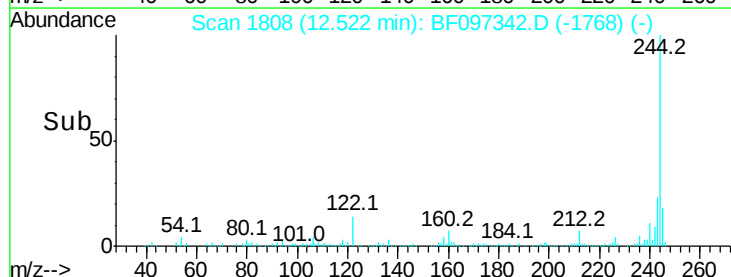
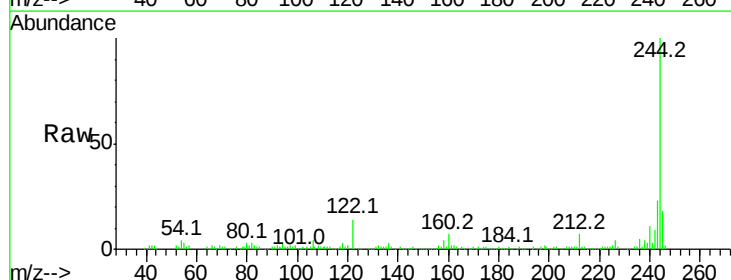
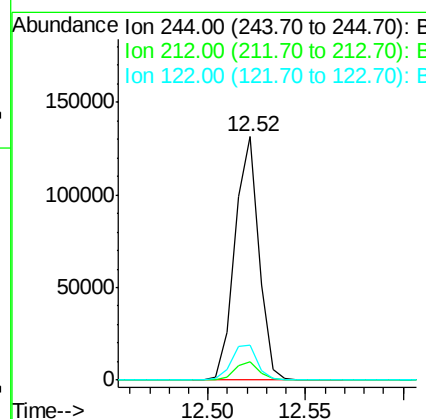
Manual Integrations
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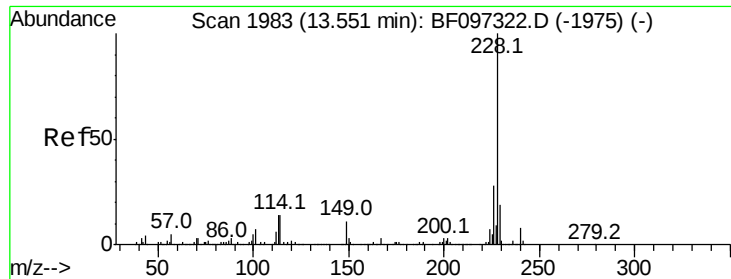
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#78
Terphenyl-d14
Concen: 13.976 ng
RT: 12.52 min Scan# 1808
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.0	9.0
122	14.2	10.3	15.5





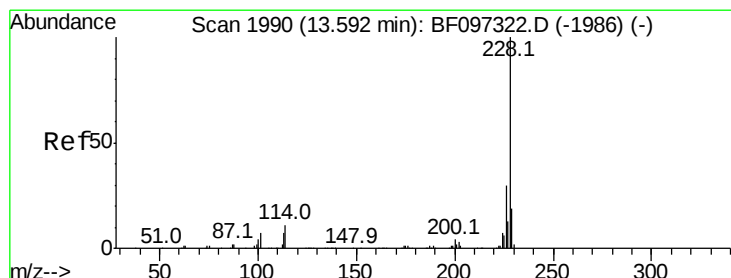
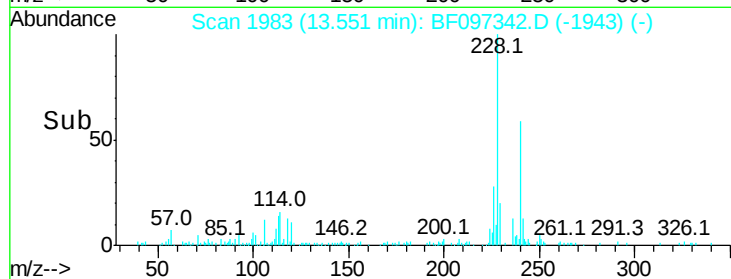
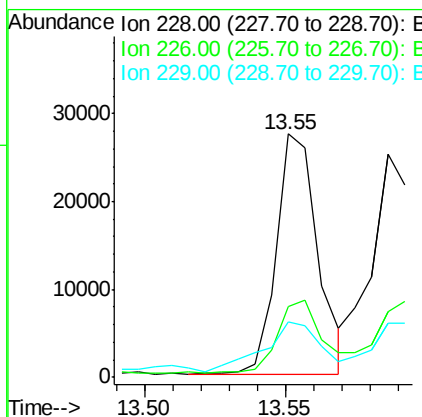
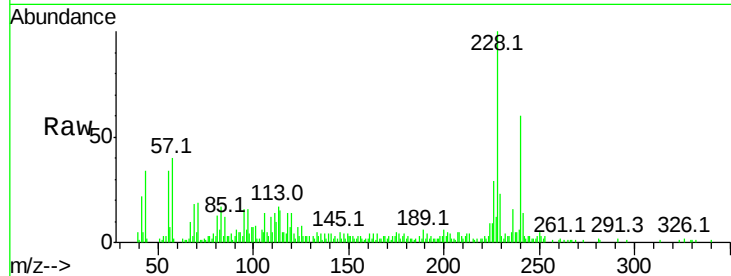
#80
Benzo(a)anthracene
Concen: 2.651 ng
RT: 13.55 min Scan# 1983
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-E

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	22.6	16.3	24.5

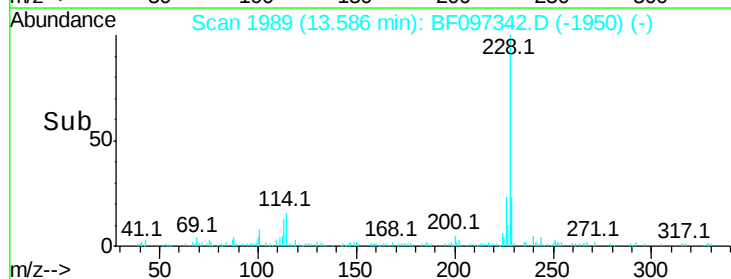
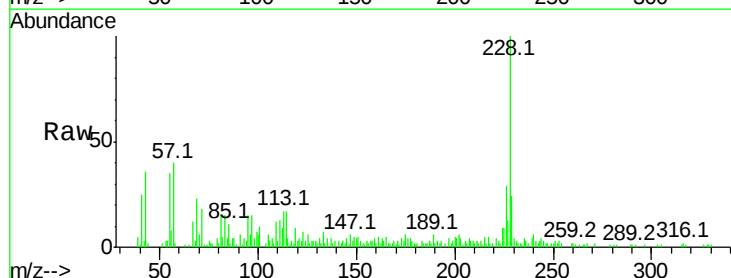
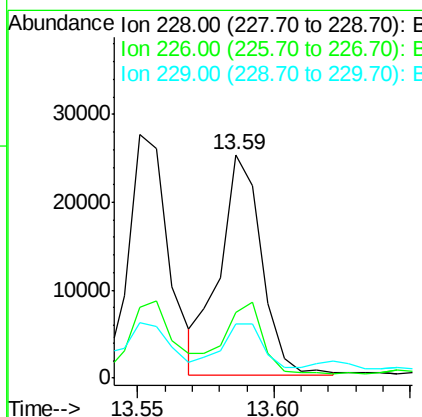
Manual Integrations
APPROVED

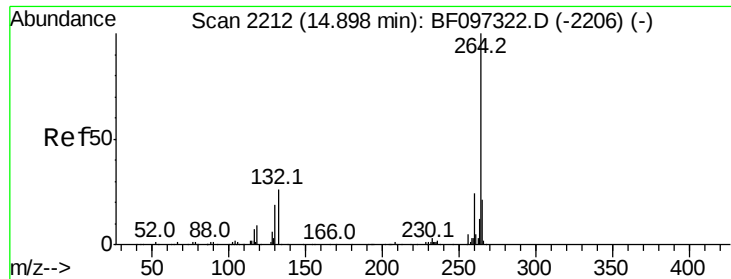
Sohil
8/4/2017 5:31:01 PM



#82
Chrysene
Concen: 2.612 ng m
RT: 13.59 min Scan# 1989
Delta R.T. -0.07 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.9	37.3
229	24.3	15.8	23.6#





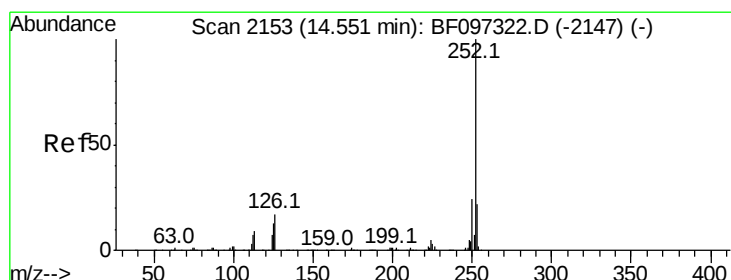
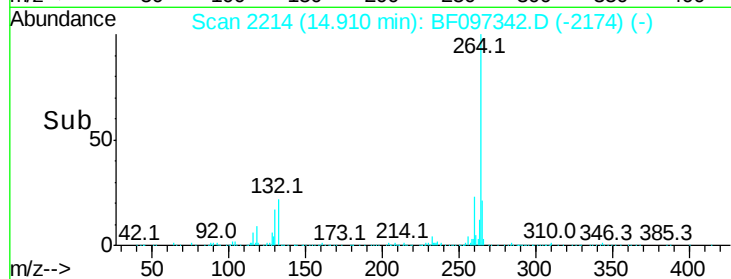
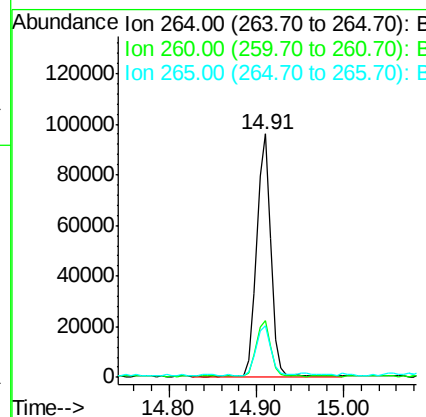
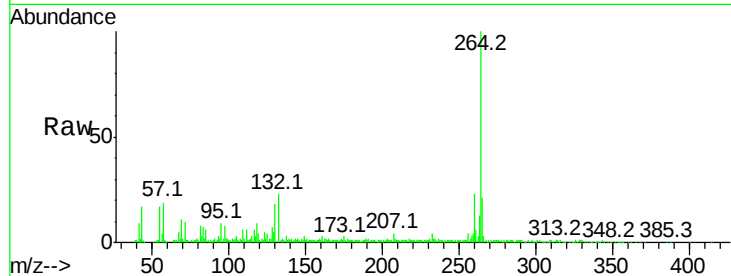
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-E

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.1	19.5	29.3	
265	21.4	17.2	25.8	

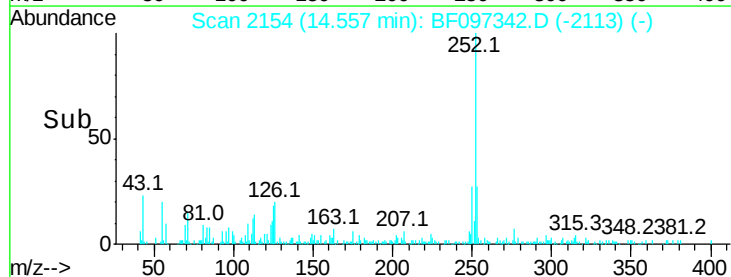
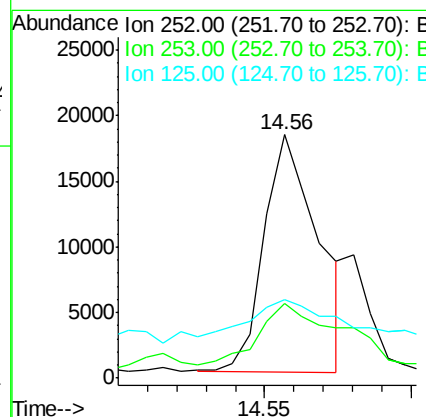
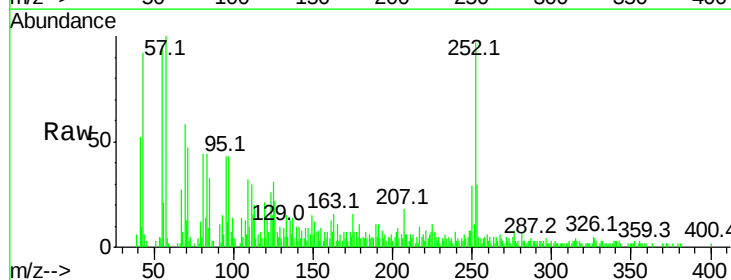
Manual Integrations
APPROVED

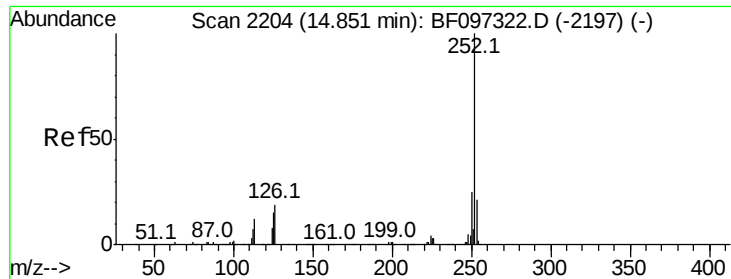
Sohil
8/4/2017 5:31:01 PM



#87
Benzo(b)fluoranthene
Concen: 3.635 ng m
RT: 14.56 min Scan# 2154
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	30.6	18.1	27.1#	
125	32.0	9.8	14.8#	





#89
Benzo(a)pyrene
Concen: 2.734 ng
RT: 14.86 min Scan# 2205
Delta R.T. -0.06 min
Lab File: BF097342.D
Acq: 4 Aug 2017 3:08

Instrument :
BNA_F
ClientSampleId :
JC-02-080117-E

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.4	17.5	26.3#
125	33.8	11.0	16.4#

Manual Integrations
APPROVED

Sohil
8/4/2017 5:31:01 PM

