

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097343.D
 Acq On : 4 Aug 2017 3:36
 Operator : SJ/JU
 Sample : I4562-10 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Aug 04 04:01:24 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	90715	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	380790	20.00	ng	-0.06
38) Acenaphthene-d10	9.47	164	129320	20.00	ng	-0.06
63) Phenanthrene-d10	10.94	188	202517	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	156398	20.00	ng	-0.06
86) Perylene-d12	14.91	264	107567	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	56254	9.35	ng	-0.05
7) Phenol-d6	6.12	99	78609	11.44	ng	-0.05
23) Nitrobenzene-d5	7.02	82	32651	5.03	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	8359	8.18	ng	-0.06
44) 2-Fluorobiphenyl	8.80	172	70668	9.27	ng	-0.06
78) Terphenyl-d14	12.52	244	49331	6.43	ng	-0.06
Target Compounds						
74) Fluoranthene	12.15	202	55328	5.205	ng	98
77) Pyrene	12.37	202	51941	4.057	ng	98
80) Benzo(a)anthracene	13.56	228	24117	2.383	ng	# 90
82) Chrysene	13.59	228	21747	2.201	ng	# 94
87) Benzo(b)fluoranthene	14.56	252	26153m	4.045	ng	
89) Benzo(a)pyrene	14.86	252	16691	2.820	ng	# 76
91) Benzo(g,h,i)perylene	16.47	276	10614	2.086	ng	# 76

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

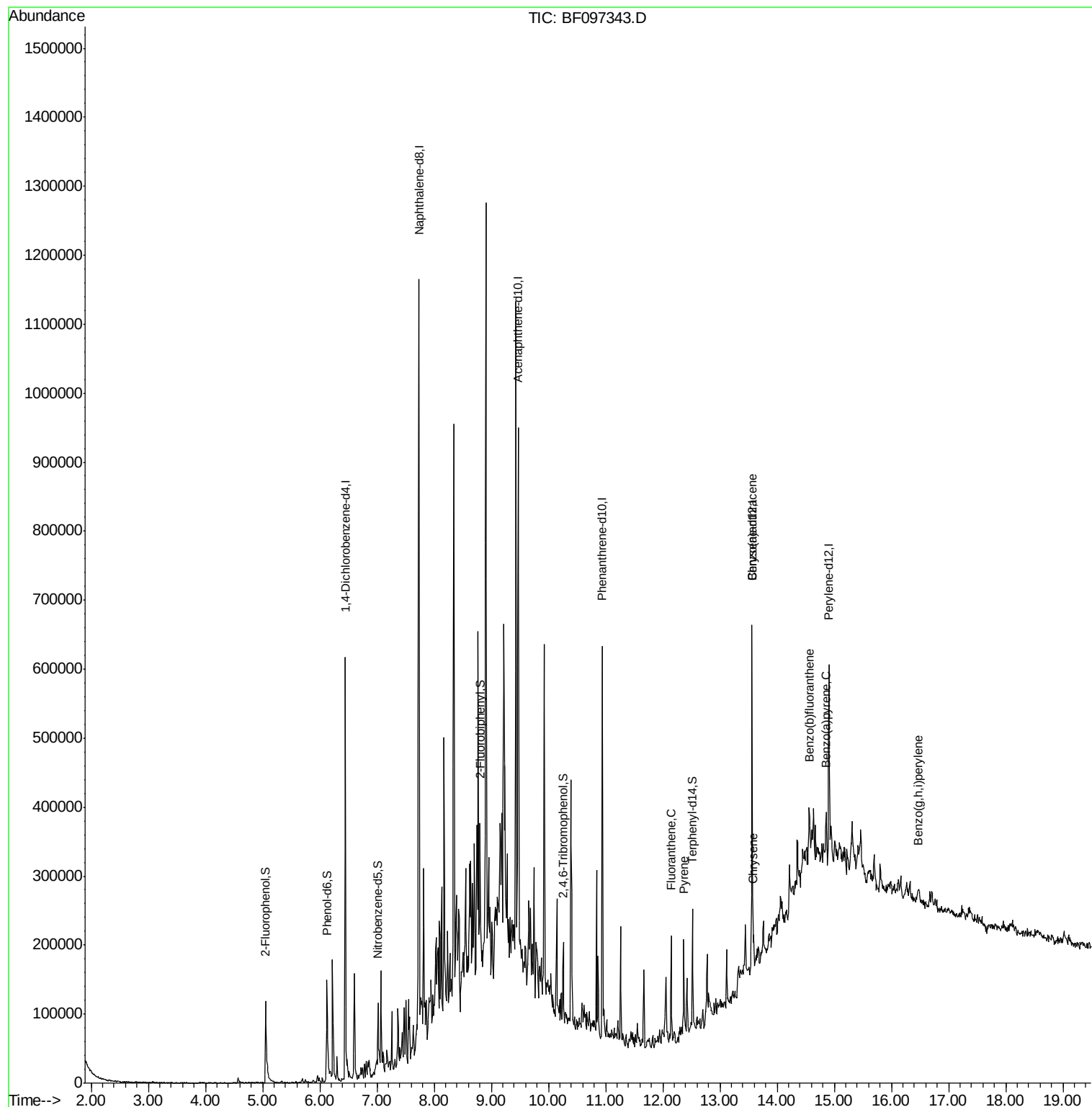
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
Data File : BF097343.D
Acq On : 4 Aug 2017 3:36
Operator : SJ/JU
Sample : I4562-10 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

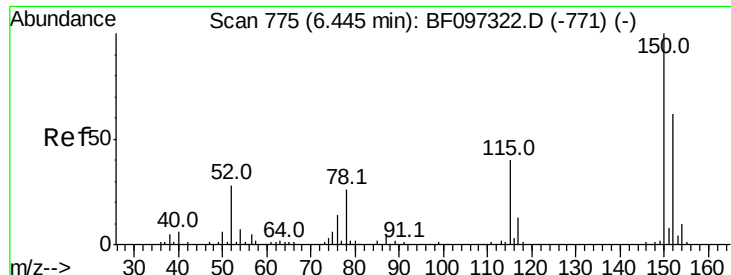
Instrument :
BNA_F
ClientSampleID :
JC-02-080117-D

Quant Time: Aug 04 04:01:24 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

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#1

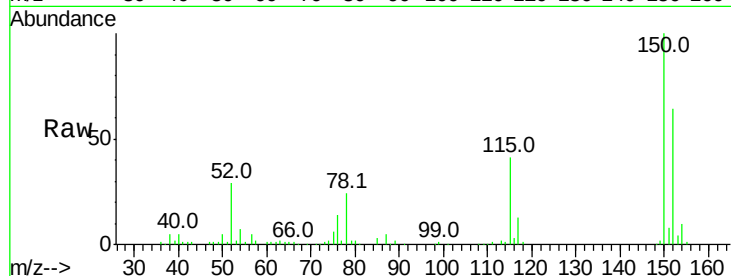
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097343.D
Acq: 4 Aug 2017 3:36

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.2	189.2
115	64.0	52.2	78.2

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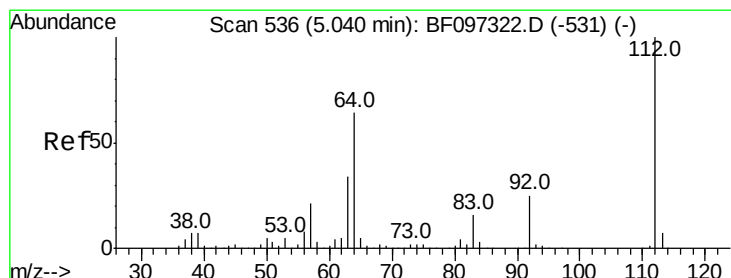
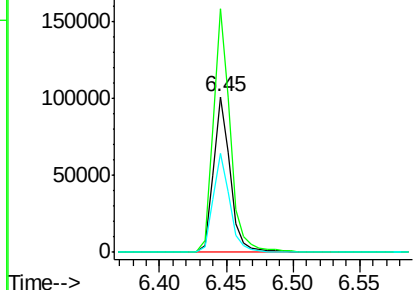
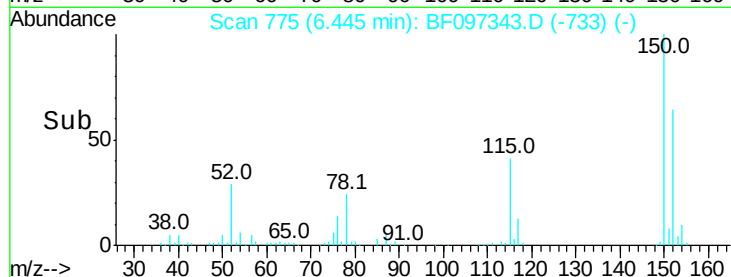


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

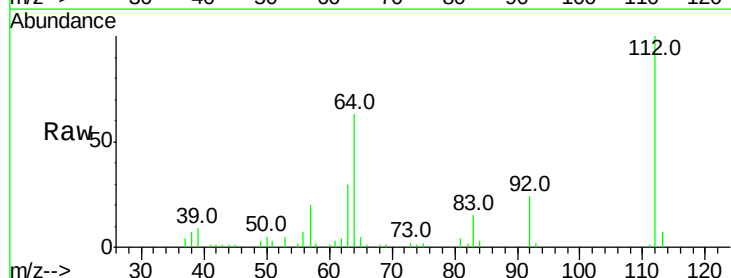
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 9.348 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097343.D
Acq: 4 Aug 2017 3:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	46.0	69.0
63	30.4	23.4	35.0

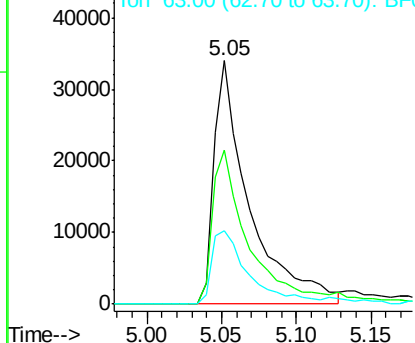
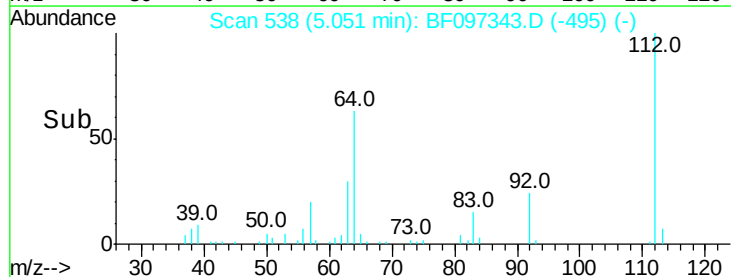


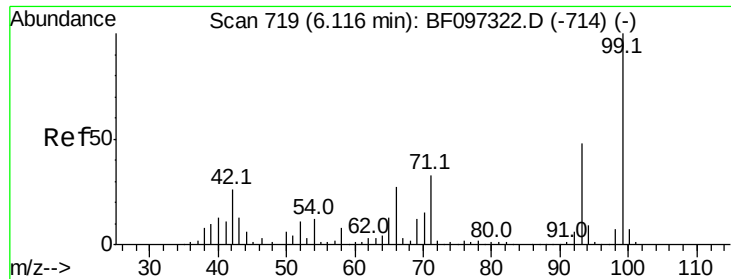
Abundance

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: 11.443 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097343.D

Acq: 4 Aug 2017 3:36

Instrument :

BNA_F

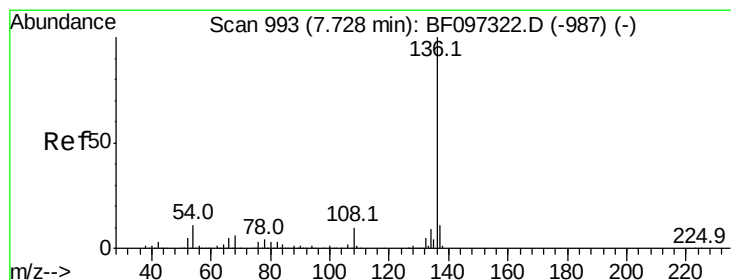
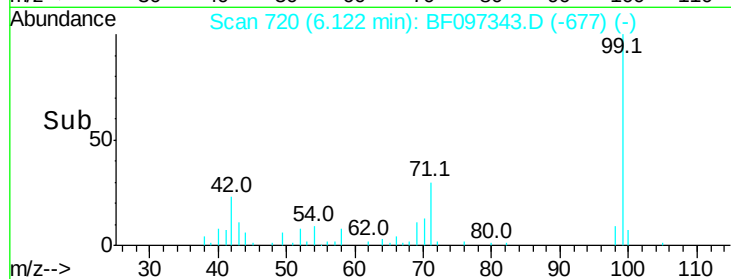
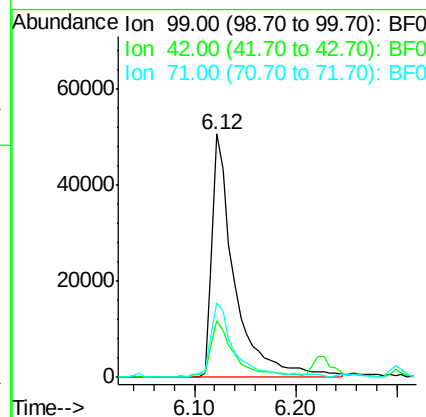
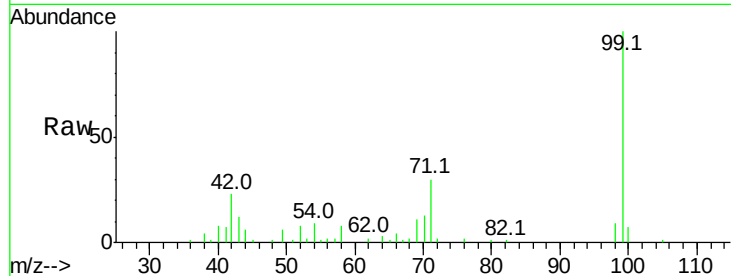
ClientSampleId :

JC-02-080117-D

Tot Ion:	99	Resp:	78609
Ion Ratio	Lower	Upper	
99	100		
42	23.1	13.5	20.3#
71	30.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

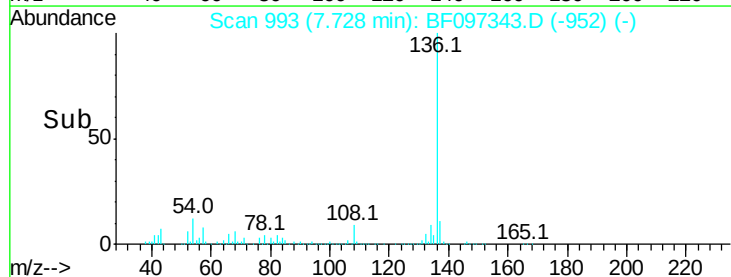
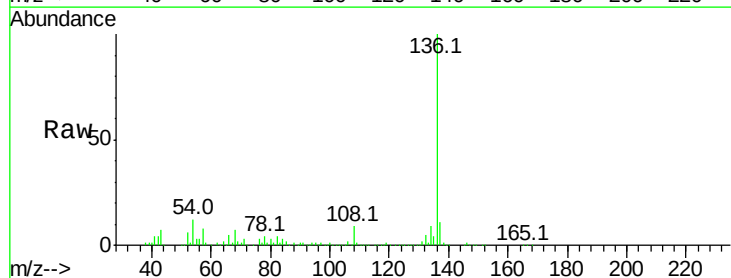
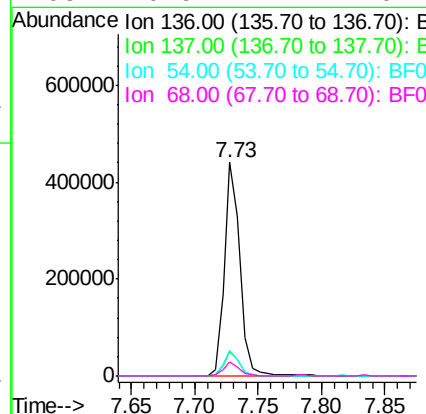
RT: 7.73 min Scan# 993

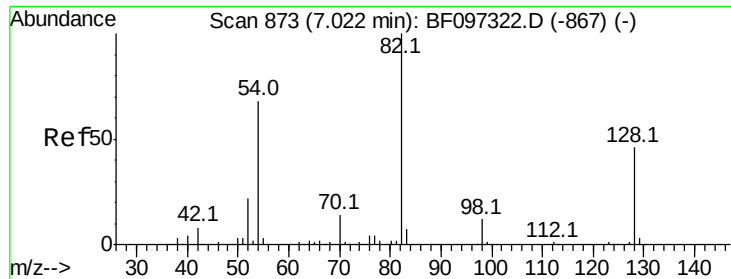
Delta R.T. -0.06 min

Lab File: BF097343.D

Acq: 4 Aug 2017 3:36

Tgt Ion:	136	Resp:	380790
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	11.8	4.9	7.3#
68	6.5	4.1	6.1#





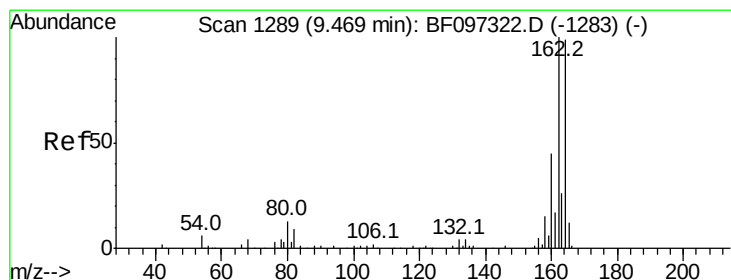
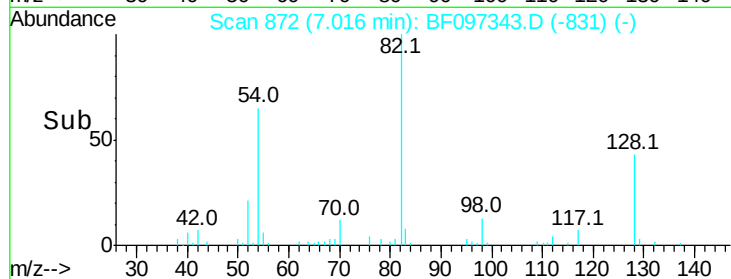
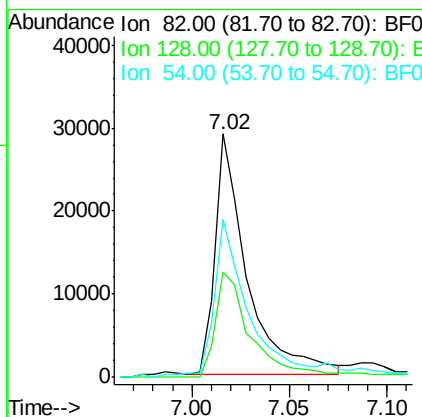
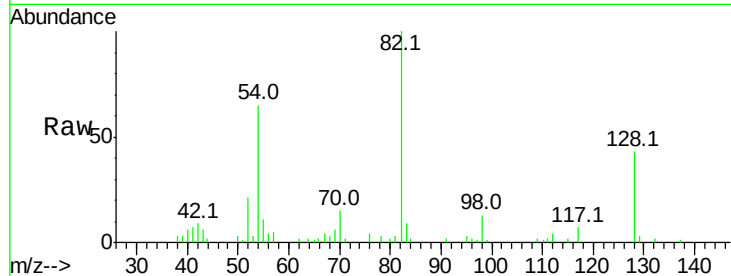
#23
 Nitrobenzene-d5
 Concen: 5.030 ng
 RT: 7.02 min Scan# 872
 Delta R.T. -0.06 min
 Lab File: BF097343.D
 Acq: 4 Aug 2017 3:36

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.5	34.0	51.0	
54	64.6	42.2	63.2	

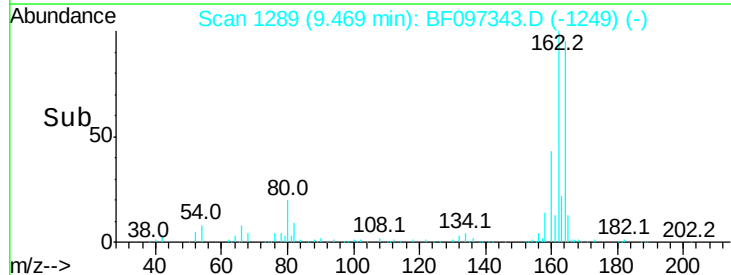
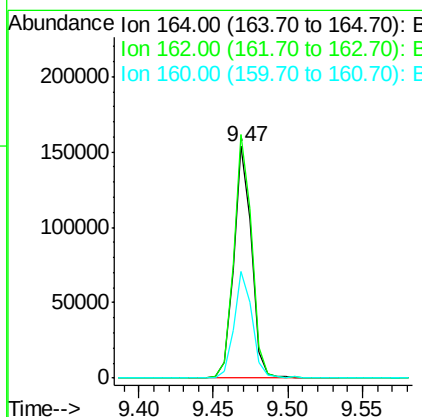
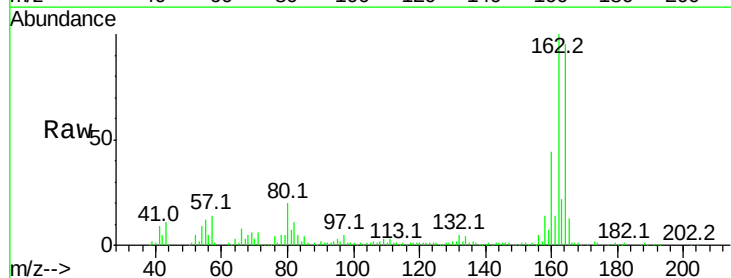
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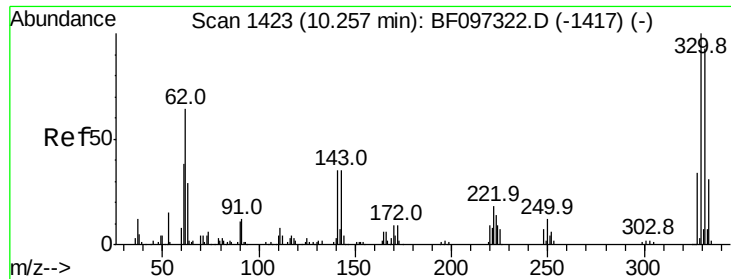
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.47 min Scan# 1289
 Delta R.T. -0.06 min
 Lab File: BF097343.D
 Acq: 4 Aug 2017 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.1	82.6	123.8	
160	45.9	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 8.181 ng

RT: 10.26 min Scan# 1423

Delta R.T. -0.06 min

Lab File: BF097343.D

Acq: 4 Aug 2017 3:36

Instrument :

BNA_F

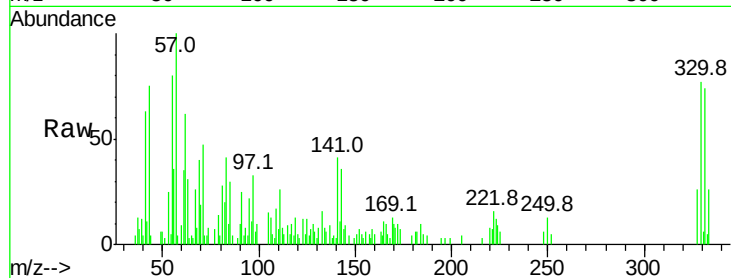
ClientSampleId :

JC-02-080117-D

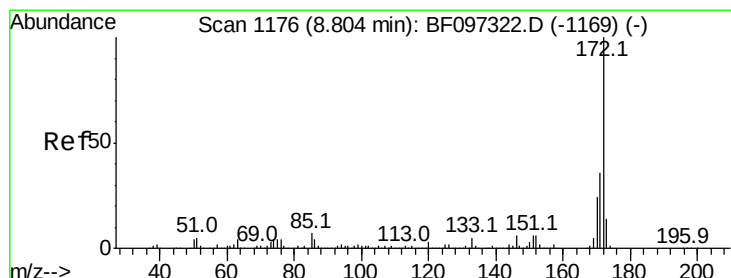
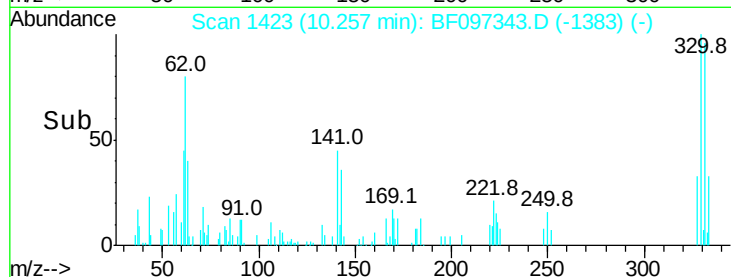
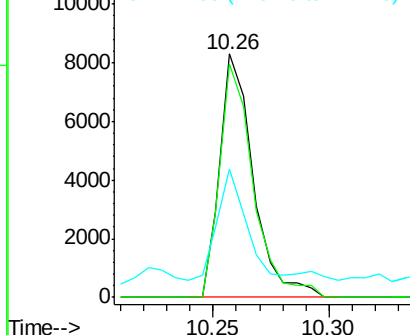
Tot Ion:	330	Resp:	8359
Ion Ratio	Lower	Upper	
330	100		
332	96.6	76.6	115.0
141	39.2	31.4	47.2

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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: 9.274 ng

RT: 8.80 min Scan# 1176

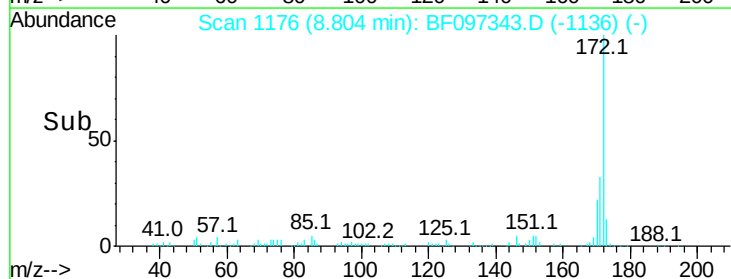
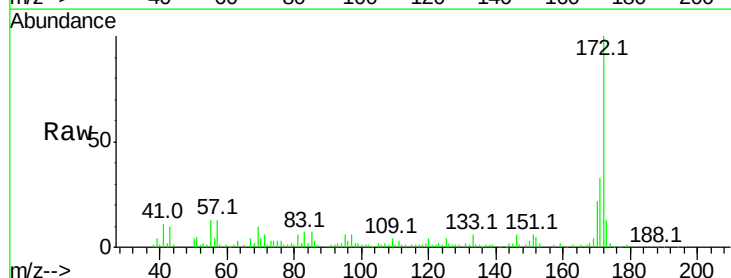
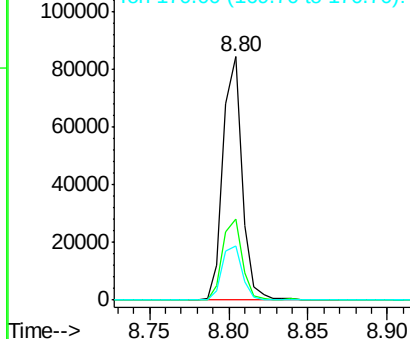
Delta R.T. -0.06 min

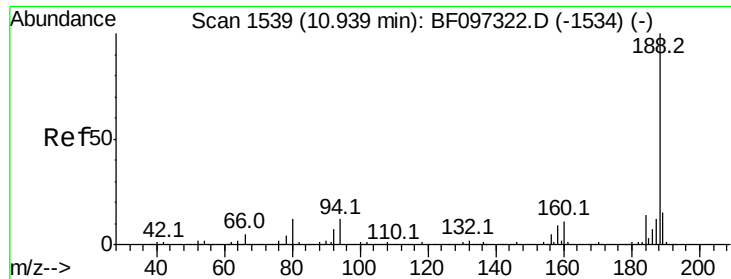
Lab File: BF097343.D

Acq: 4 Aug 2017 3:36

Tgt Ion:	172	Resp:	70668
Ion Ratio	Lower	Upper	
172	100		
171	33.5	29.6	44.4
170	22.2	19.8	29.8

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





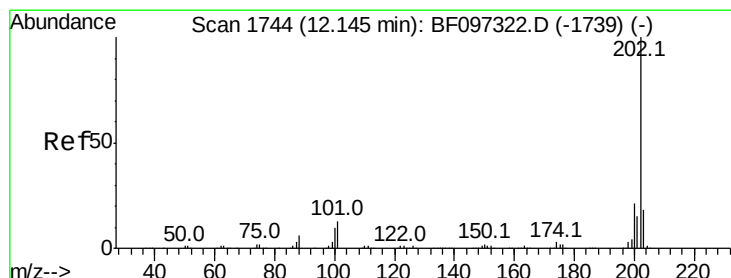
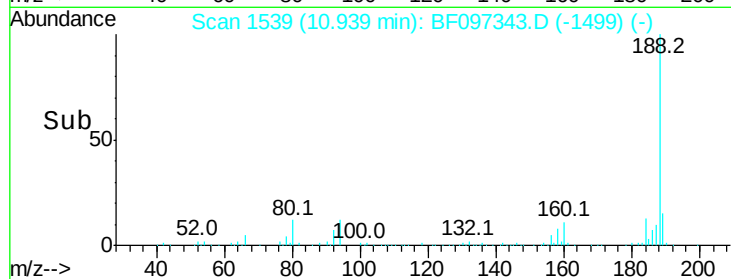
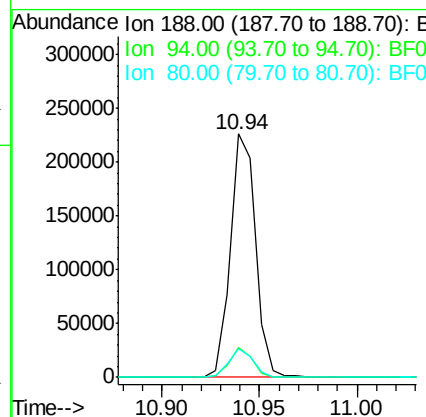
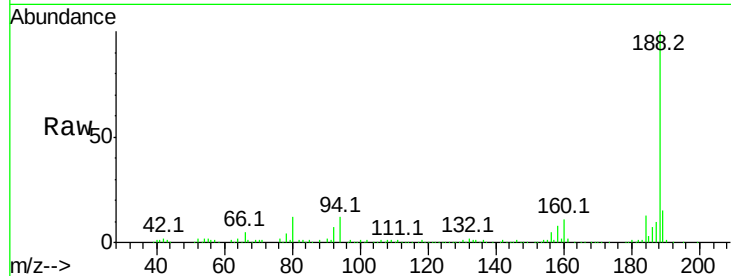
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.94 min Scan# 1539
Delta R.T. -0.06 min
Lab File: BF097343.D
Acq: 4 Aug 2017 3:36

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	202517		
94	12.1		9.4	14.2
80	11.8		10.2	15.2

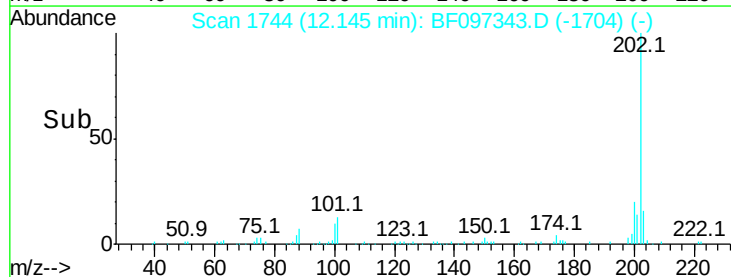
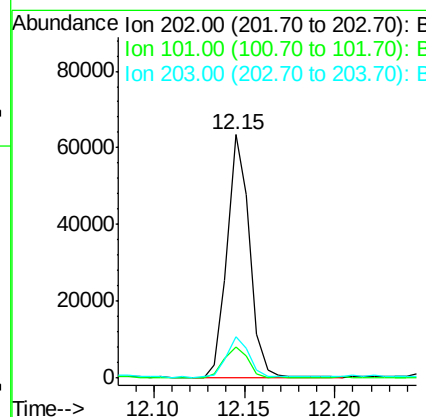
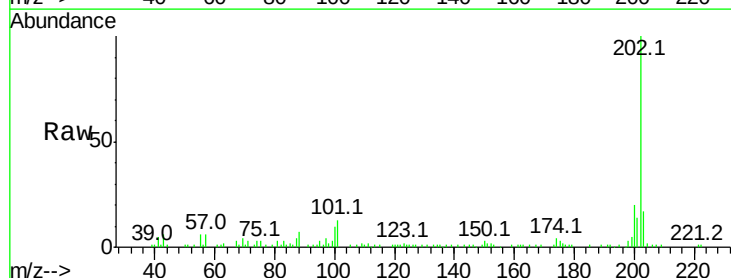
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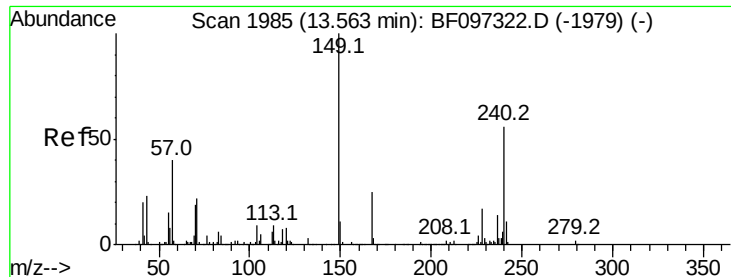
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#74
Fluoranthene
Concen: 5.205 ng
RT: 12.15 min Scan# 1744
Delta R.T. -0.06 min
Lab File: BF097343.D
Acq: 4 Aug 2017 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	55328		
101	12.8		0.0	33.2
203	17.0		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.06 min

Lab File: BF097343.D

Acq: 4 Aug 2017 3:36

Instrument :

BNA_F

ClientSampleId :

JC-02-080117-D

Tot Ion:240 Resp: 156398

Ion Ratio Lower Upper

240 100

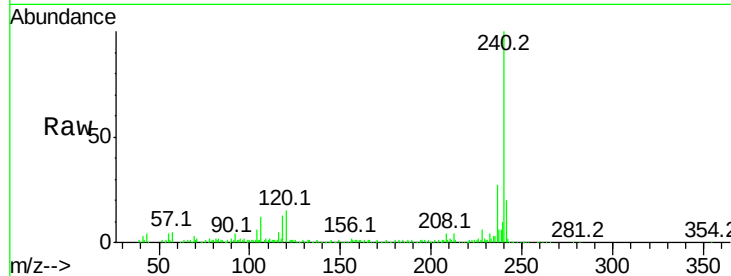
120 15.0 5.8 8.8#

236 27.5 20.5 30.7

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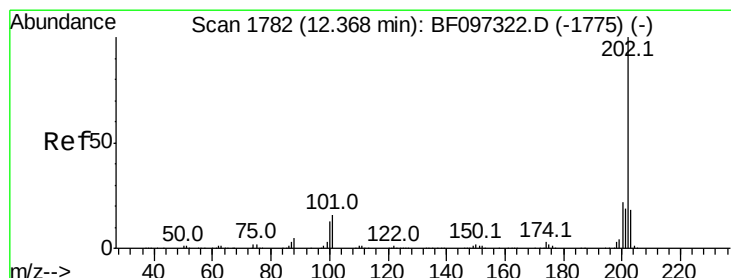
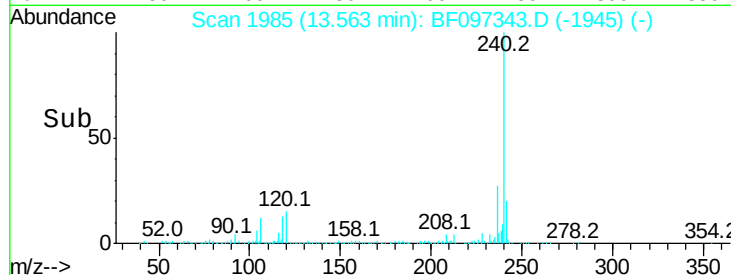
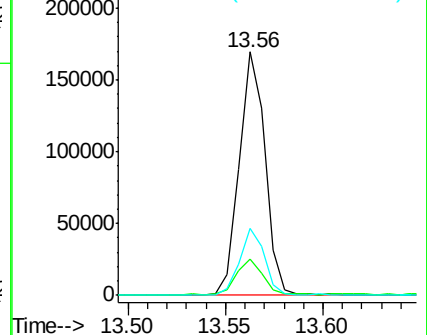
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.057 ng

RT: 12.37 min Scan# 1782

Delta R.T. -0.06 min

Lab File: BF097343.D

Acq: 4 Aug 2017 3:36

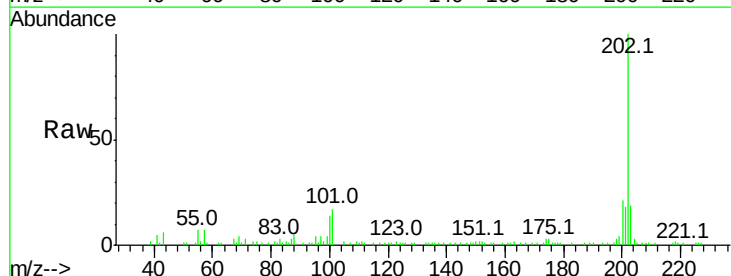
Tgt Ion:202 Resp: 51941

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

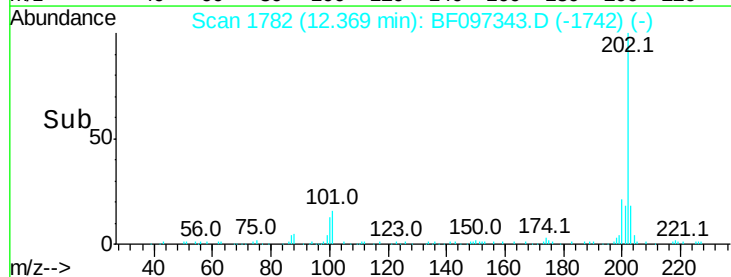
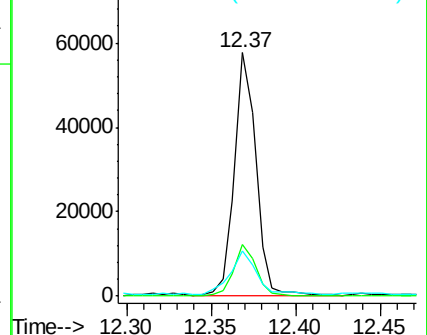
203 18.7 14.4 21.6

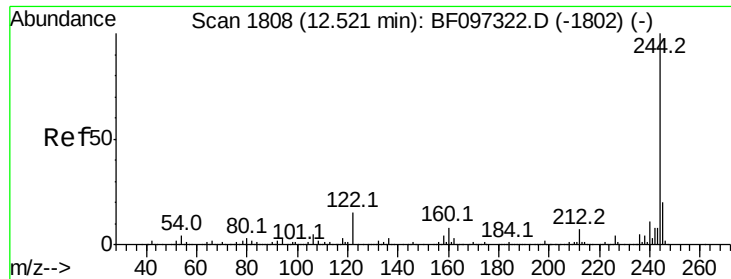


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.431 ng

RT: 12.52 min Scan# 1808

Delta R.T. -0.06 min

Lab File: BF097343.D

Acq: 4 Aug 2017 3:36

Instrument :

BNA_F

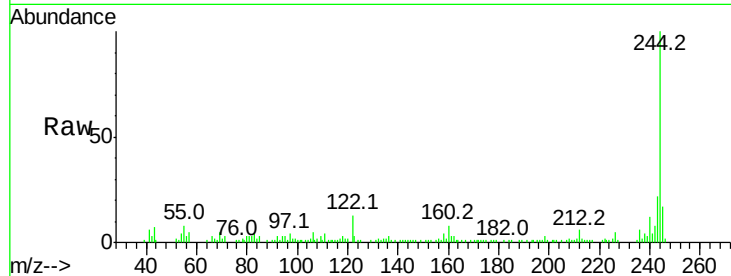
ClientSampleId :

JC-02-080117-D

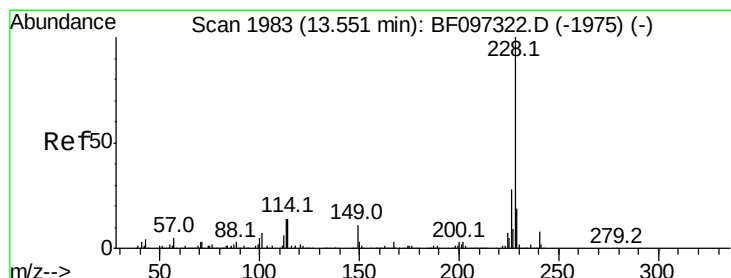
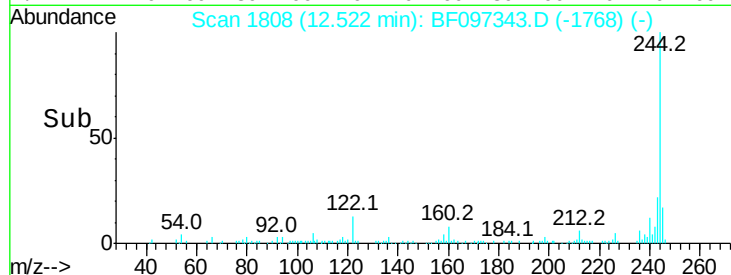
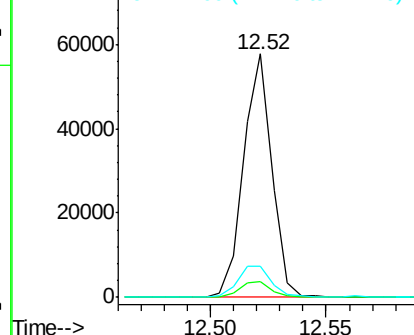
Tot Ion:	244	Resp:	49331
Ion Ratio	Lower	Upper	
244	100		
212	6.5	6.0	9.0
122	12.7	10.3	15.5

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.383 ng

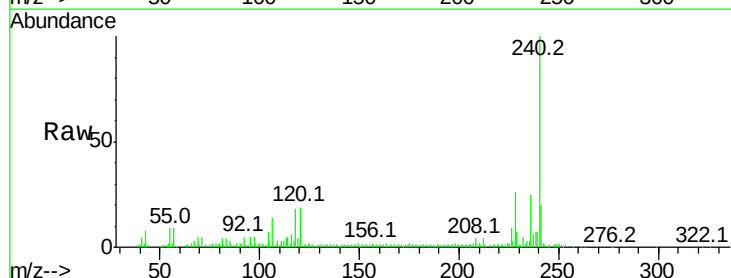
RT: 13.56 min Scan# 1984

Delta R.T. -0.06 min

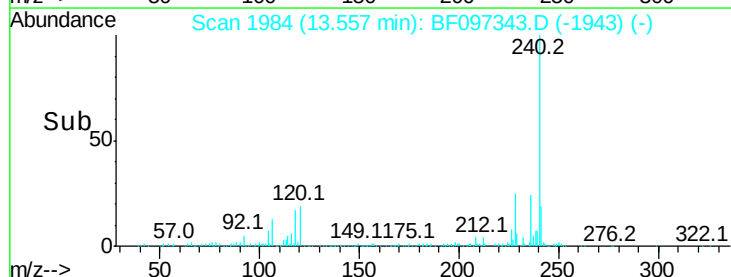
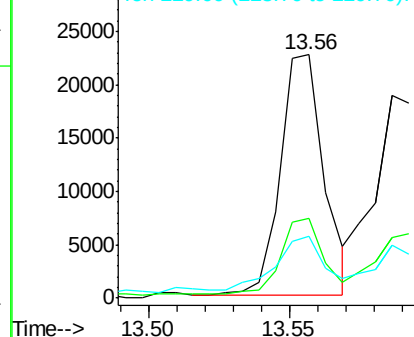
Lab File: BF097343.D

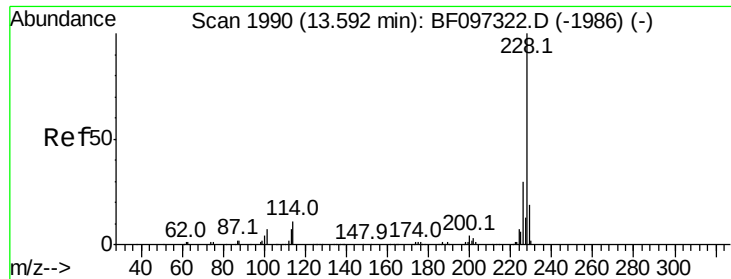
Acq: 4 Aug 2017 3:36

Tgt Ion:	228	Resp:	24117
Ion Ratio	Lower	Upper	
228	100		
226	32.8	22.6	33.8
229	25.6	16.3	24.5#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





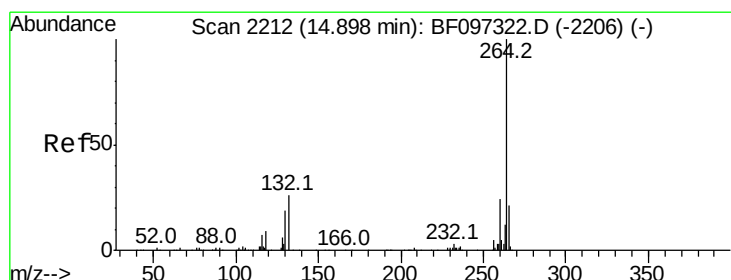
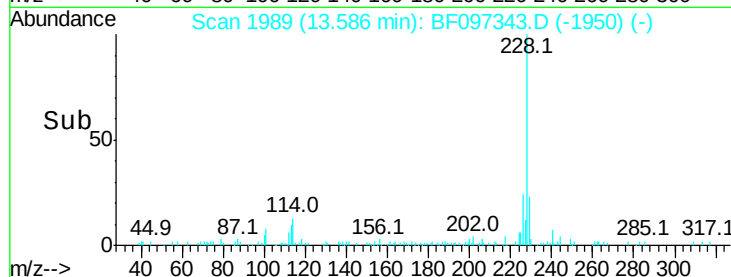
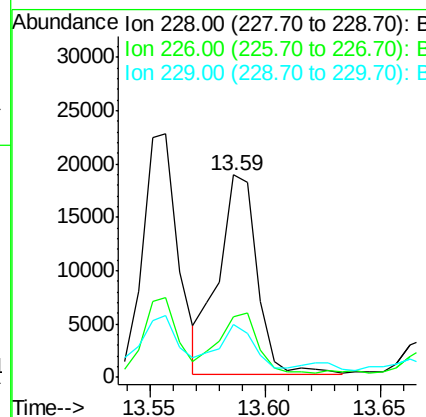
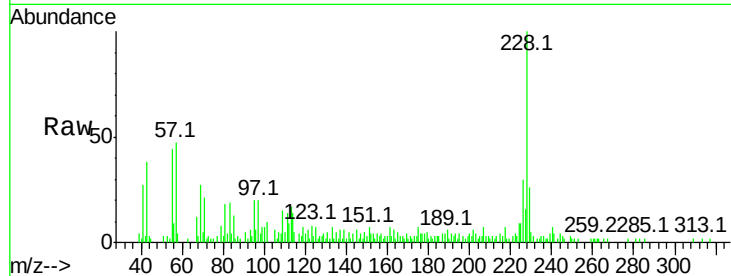
#82
Chrysene
Concen: 2.201 ng
RT: 13.59 min Scan# 1989
Delta R.T. -0.07 min
Lab File: BF097343.D
Acq: 4 Aug 2017 3:36

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	25.9	15.8	23.6

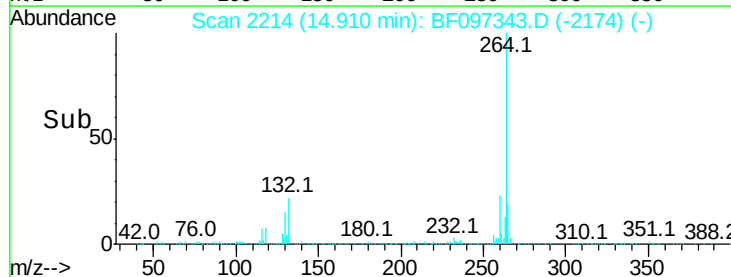
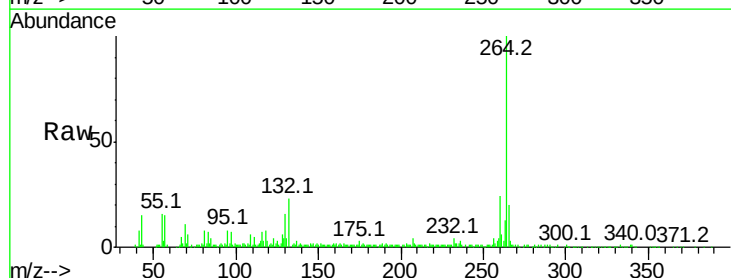
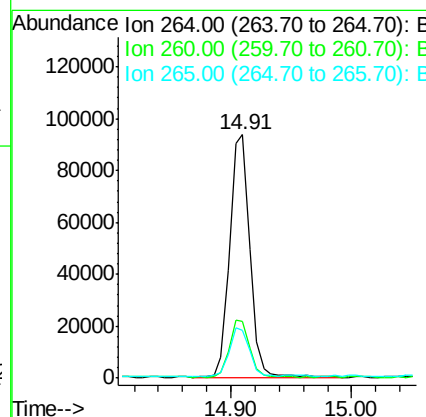
Manual Integrations
APPROVED

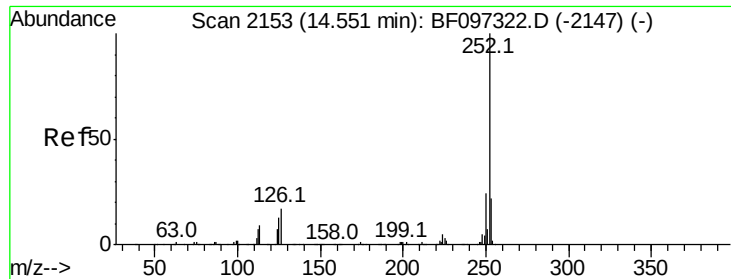
Sohil
8/4/2017 5:31:03 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.06 min
Lab File: BF097343.D
Acq: 4 Aug 2017 3:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	19.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 4.045 ng/mL

RT: 14.56 min Scan# 2154

Delta R.T. -0.06 min

Lab File: BF097343.D

Acq: 4 Aug 2017 3:36

Instrument :

BNA_F

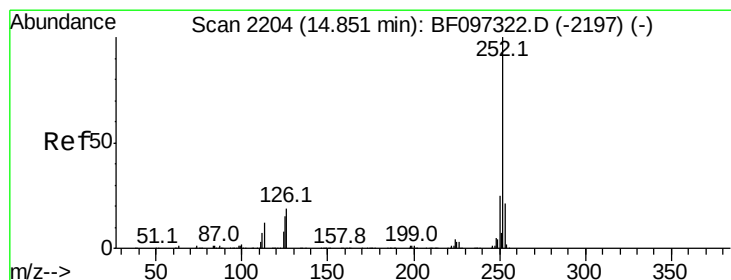
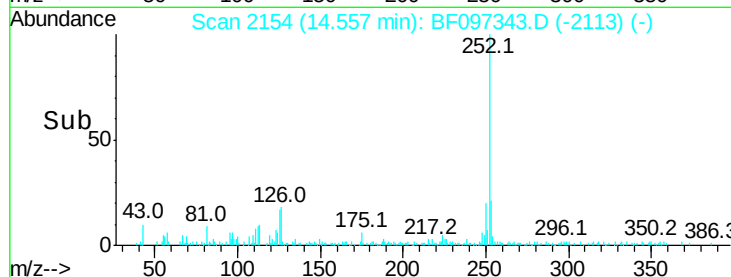
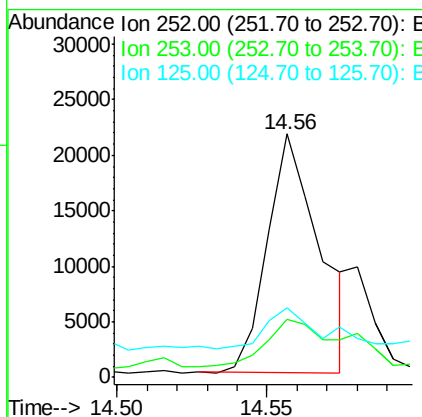
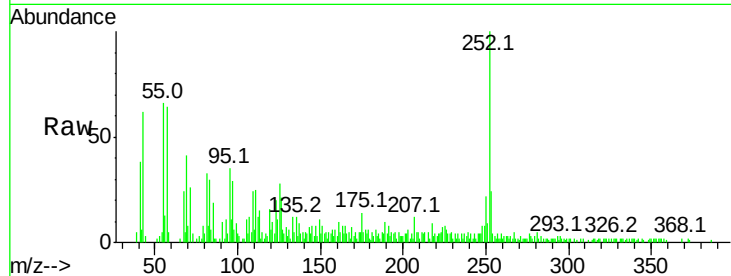
ClientSampleId :

JC-02-080117-D

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.0	18.1	27.1	
125	28.4	9.8	14.8	

Manual Integrations
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Sohil
8/4/2017 5:31:03 PM



#89

Benzo(a)pyrene

Concen: 2.820 ng/mL

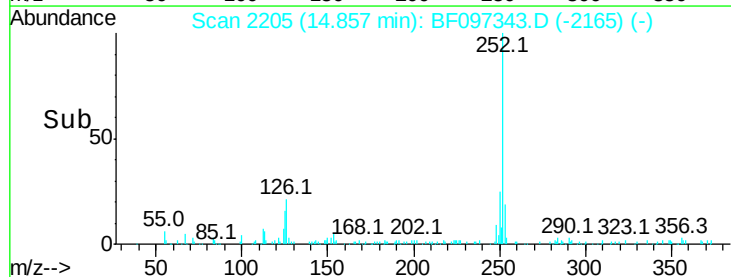
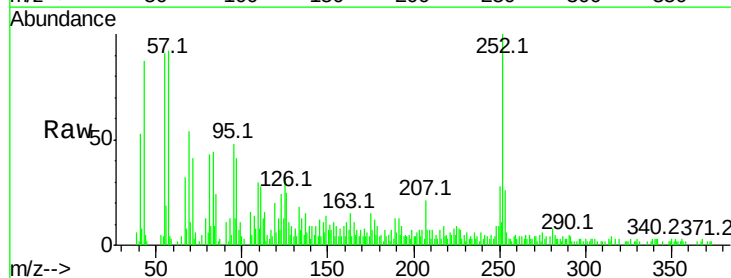
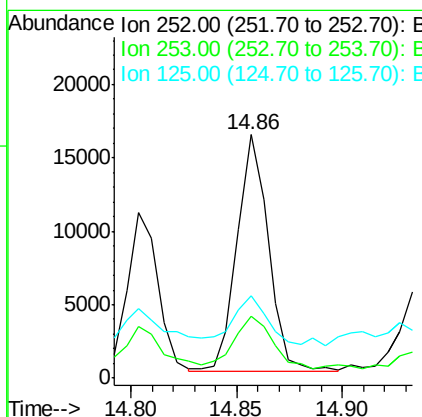
RT: 14.86 min Scan# 2205

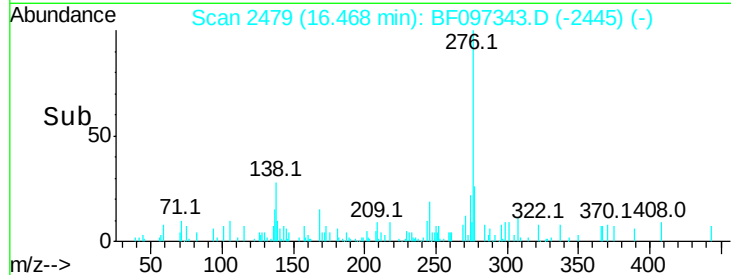
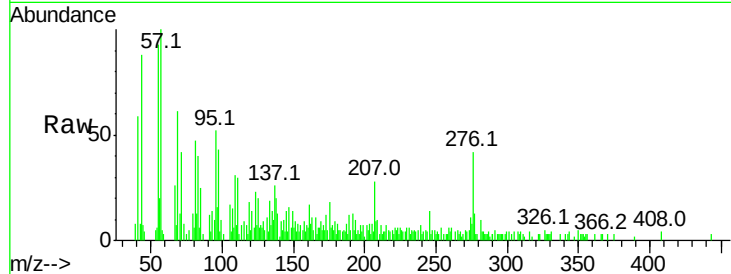
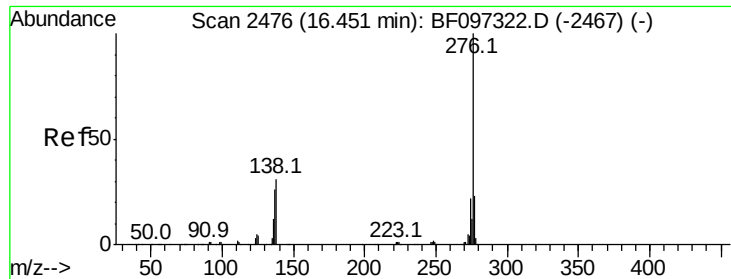
Delta R.T. -0.06 min

Lab File: BF097343.D

Acq: 4 Aug 2017 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.5	17.5	26.3	
125	33.6	11.0	16.4	





#91
 Benzo(a,h,i)perylene
 Concen: 2.086 ng
 RT: 16.47 min Scan# 2479
 Delta R.T. -0.10 min
 Lab File: BF097343.D
 Acq: 4 Aug 2017 3:36

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	32.0	18.6	28.0#
138	47.7	25.4	38.0#

Manual Integrations
 APPROVED

Sohil
 8/4/2017 5:31:03 PM

