

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
 Data File : BF097485.D
 Acq On : 8 Aug 2017 23:04
 Operator : SJ/JU
 Sample : I4652-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L-1338-A-COMP

Manual Integrations
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Quant Time: Aug 09 01:57:18 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	105187	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	465431	20.00	ng	-0.01
38) Acenaphthene-d10	9.43	164	190681	20.00	ng	-0.01
63) Phenanthrene-d10	10.90	188	262377	20.00	ng	-0.01
75) Chrysene-d12	13.53	240	180144	20.00	ng	0.00
86) Perylene-d12	14.88	264	146928	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.00	112	544415	78.02	ng	0.00
7) Phenol-d6	6.07	99	653612	82.05	ng	-0.01
23) Nitrobenzene-d5	6.97	82	381748	48.12	ng	-0.02
41) 2,4,6-Tribromophenol	10.22	330	105493	70.02	ng	-0.01
44) 2-Fluorobiphenyl	8.77	172	653714	58.18	ng	0.00
78) Terphenyl-d14	12.49	244	362670	41.05	ng	-0.01

Target Compounds				Qvalue		
10) Phenol	6.09	94	31091	3.291	ng	# 71
31) Naphthalene	7.71	128	105950	4.829	ng	99
37) 2-Methylnaphthalene	8.40	142	40870	2.942	ng	97
49) Dimethylphthalate	9.17	163	173662	11.993	ng	98
51) Acenaphthene	9.46	154	34428	3.177	ng	100
54) Dibenzofuran	9.64	168	41208	2.855	ng	# 98
57) Fluorene	9.97	166	22773	2.099	ng	# 94
70) Phenanthrene	10.93	178	264988	18.849	ng	99
71) Anthracene	10.98	178	80142	5.566	ng	98
72) Carbazole	11.15	167	30602	2.161	ng	97
74) Fluoranthene	12.11	202	389744	28.299	ng	98
77) Pyrene	12.33	202	346691	23.508	ng	98
80) Benzo(a)anthracene	13.52	228	270095	23.172	ng	98
82) Chrysene	13.56	228	253253	22.251	ng	97
85) Indeno(1,2,3-cd)pyrene	16.07	276	161400	16.538	ng	97
87) Benzo(b)fluoranthene	14.53	252	394205m	44.633	ng	
88) Benzo(k)fluoranthene	14.55	252	103695m	12.321	ng	
89) Benzo(a)pyrene	14.83	252	265331	32.824	ng	# 96
90) Dibenzo(a,h)anthracene	16.07	278	37829	5.707	ng	# 72
91) Benzo(a,h,i)perylene	16.42	276	156676	22.539	ng	97

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

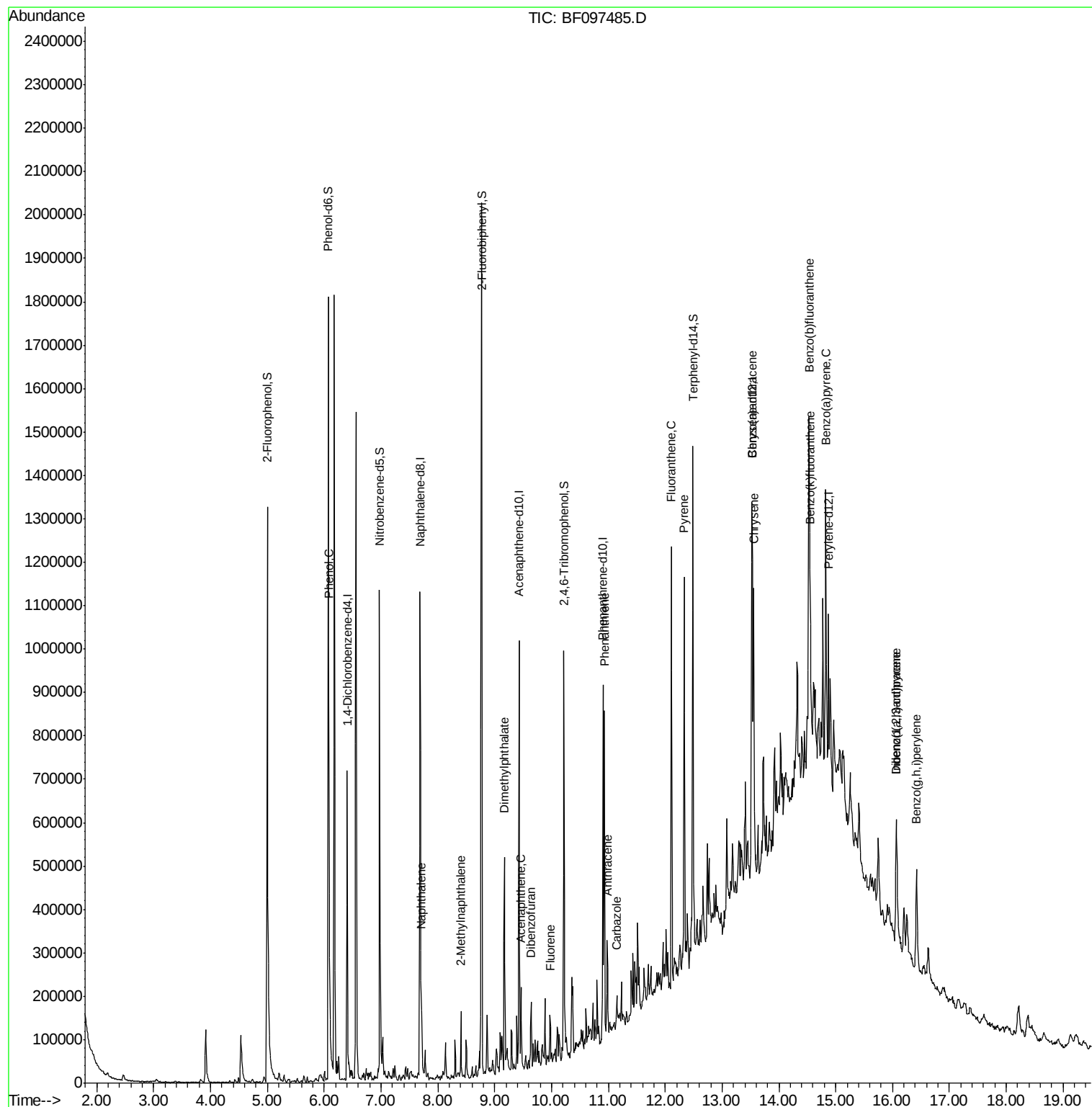
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080817\
Data File : BF097485.D
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Sample : I4652-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

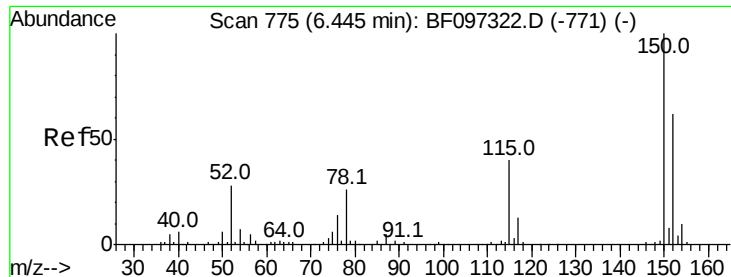
Instrument :
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ClientSampleId :
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#1

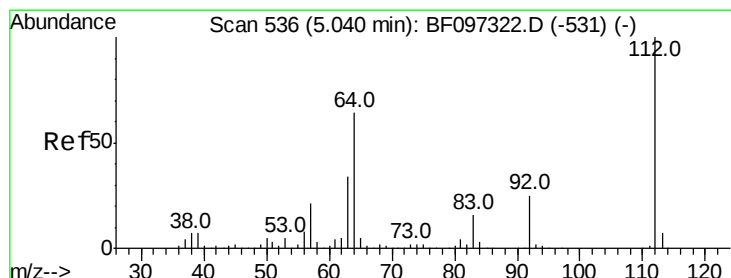
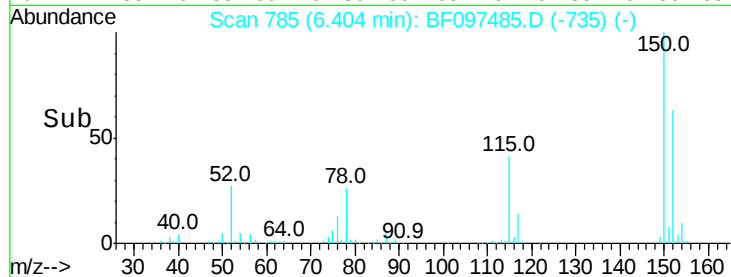
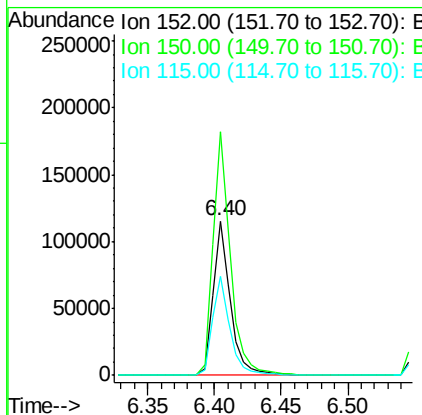
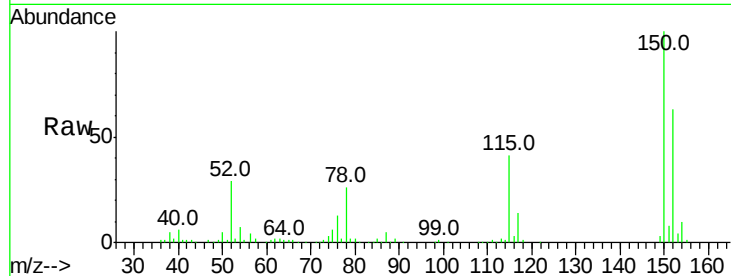
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.40 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Instrument :
BNA_F
ClientSampleId :
L-1338-A-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	64.6	52.2	78.2

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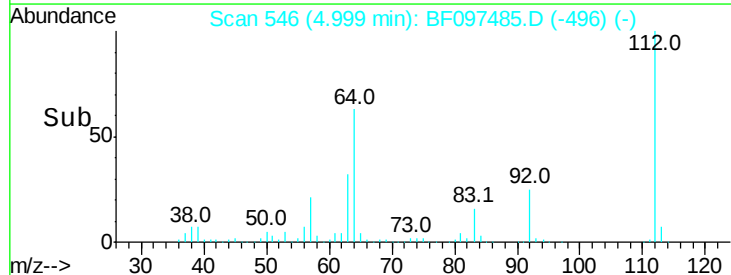
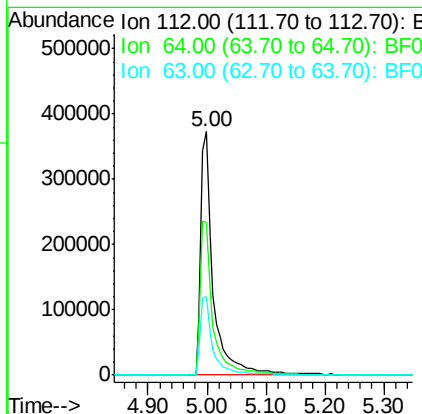
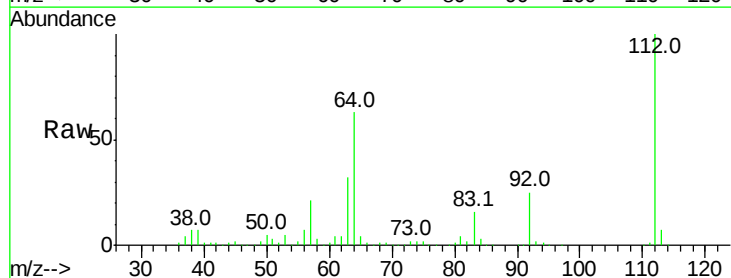
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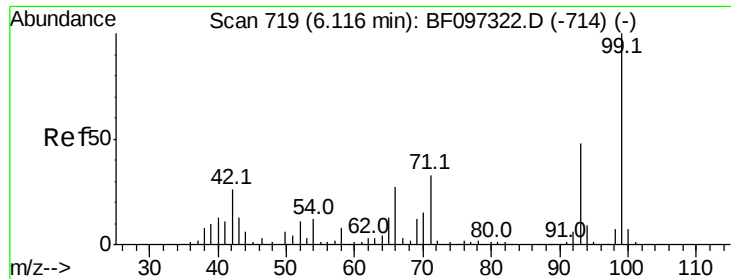


#5

2-Fluorophenol
Concen: 78.023 ng
RT: 5.00 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	46.0	69.0
63	32.5	23.4	35.0





#7

Phenol-d6

Concen: 82.052 ng

RT: 6.07 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097485.D

Acq: 8 Aug 2017 23:04

Instrument :

BNA_F

ClientSampleId :

L-1338-A-COMP

Tot Ion: 99 Resp: 653612

Ion Ratio Lower Upper

99 100

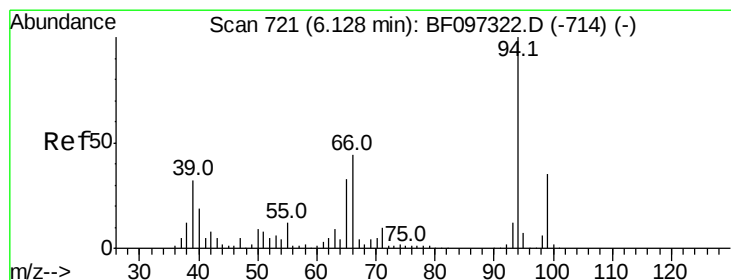
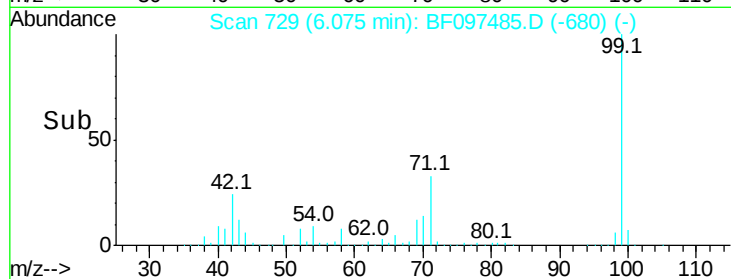
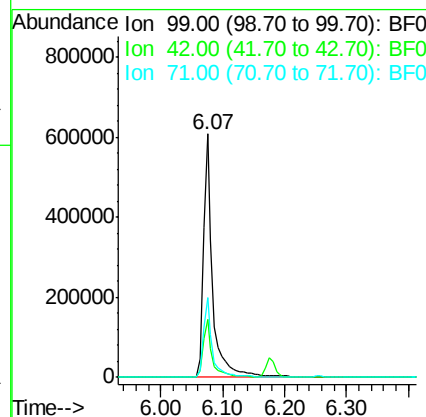
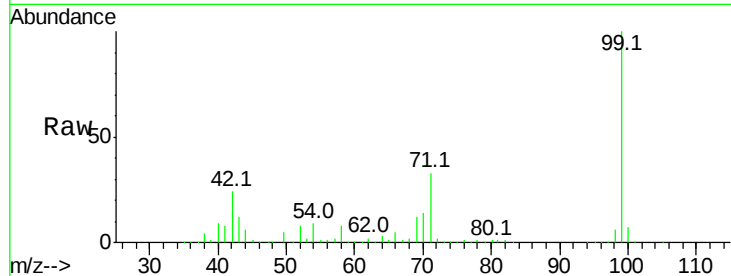
42 24.0 13.5 20.3#

71 32.7 24.5 36.7

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#10

Phenol

Concen: 3.291 ng

RT: 6.09 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF097485.D

Acq: 8 Aug 2017 23:04

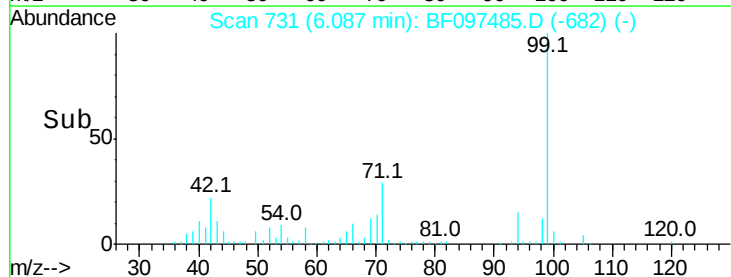
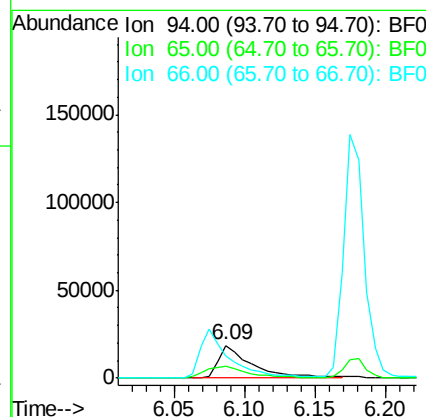
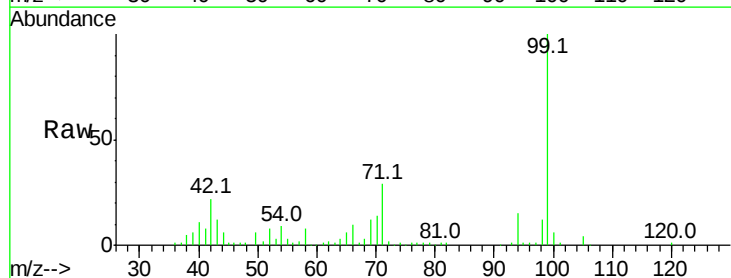
Tgt Ion: 94 Resp: 31091

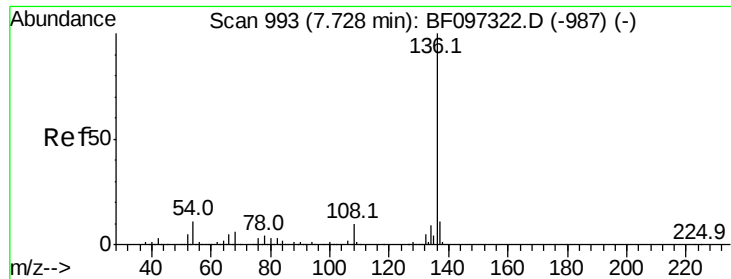
Ion Ratio Lower Upper

94 100

65 37.8 9.9 49.9

66 68.2 23.1 63.1#





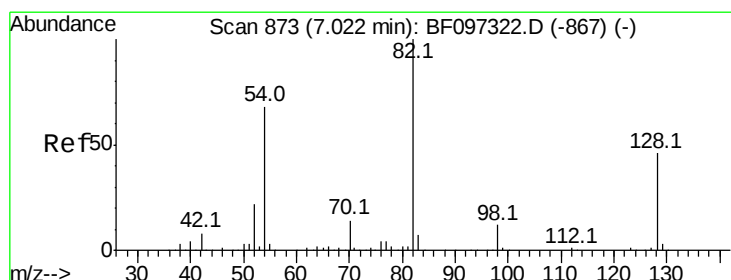
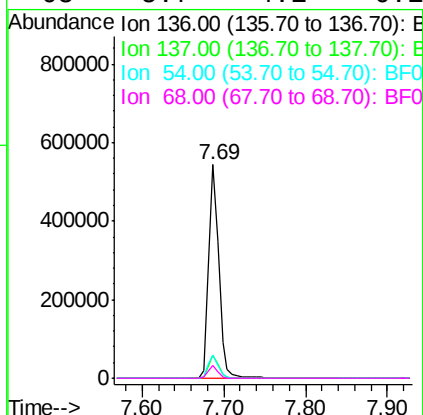
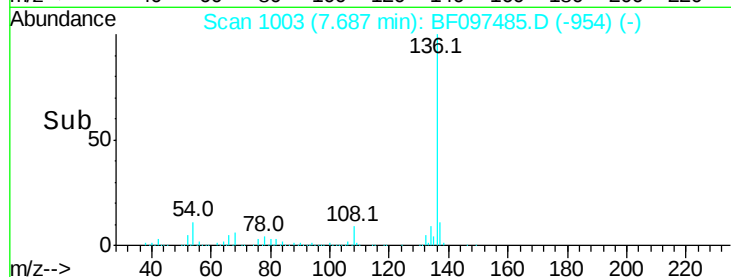
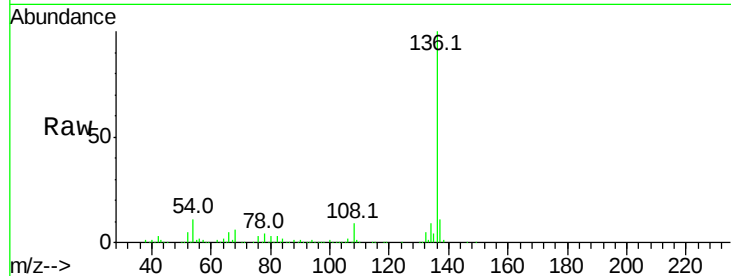
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.69 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Instrument :
BNA_F
ClientSampleId :
L-1338-A-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	10.9	4.9	7.3#	
68	5.7	4.1	6.1	

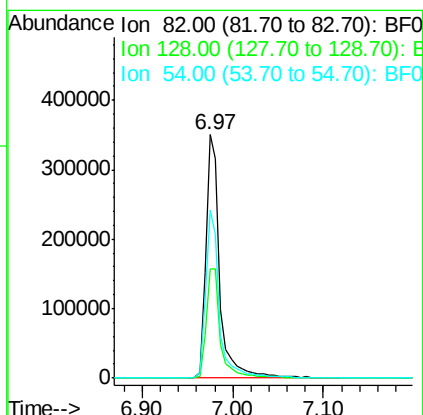
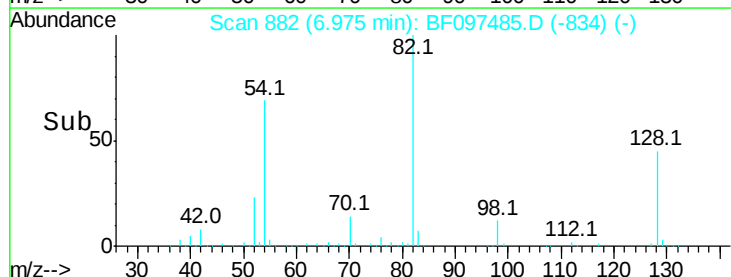
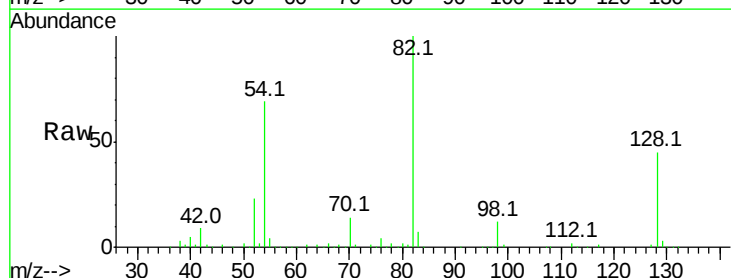
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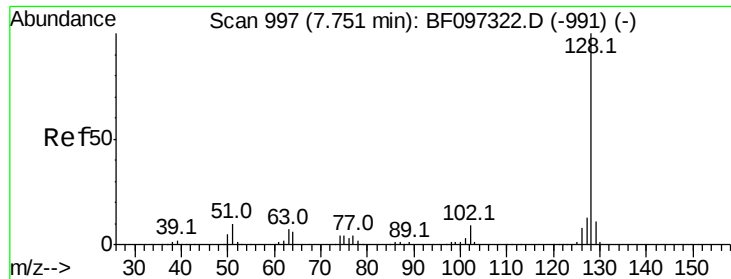
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#23
Nitrobenzene-d5
Concen: 48.116 ng
RT: 6.97 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.8	34.0	51.0	
54	69.1	42.2	63.2#	





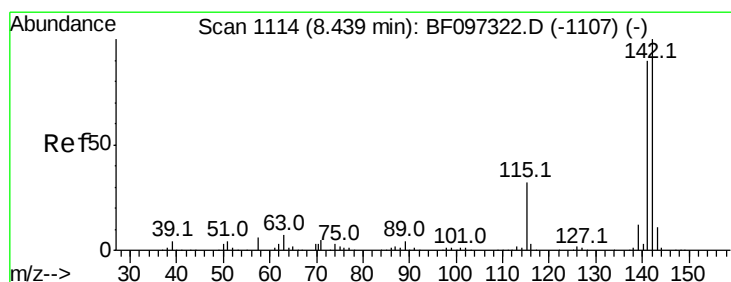
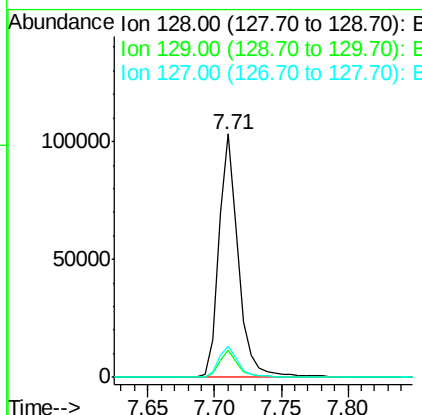
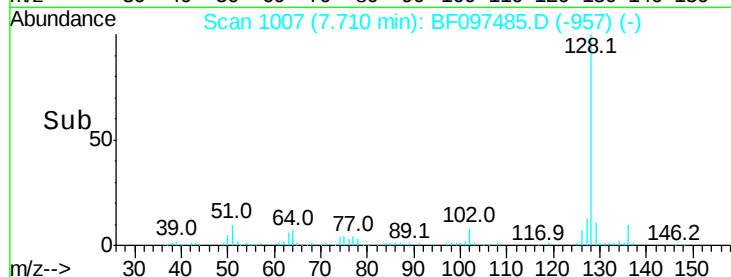
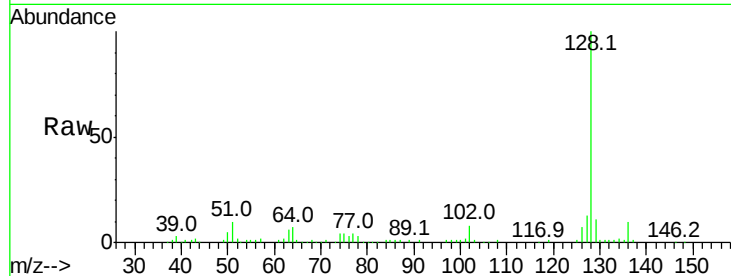
#31
Naphthalene
Concen: 4.829 ng
RT: 7.71 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Instrument :
BNA_F
ClientSampleId :
L-1338-A-COMP

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.3	9.0	13.6	
127	12.9	10.8	16.2	

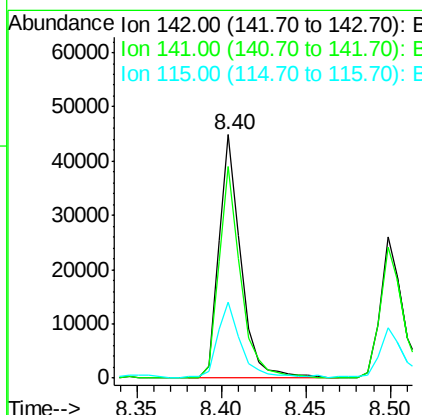
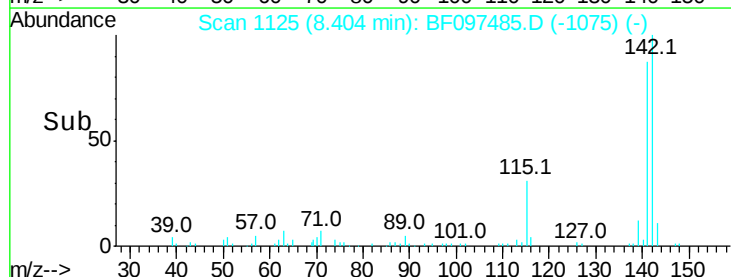
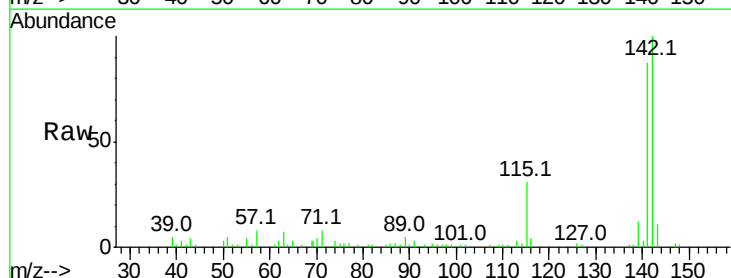
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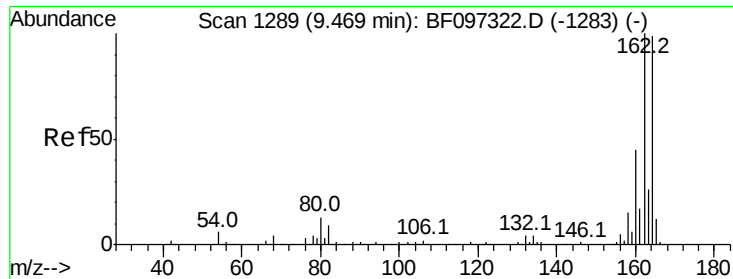
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#37
2-Methylnaphthalene
Concen: 2.942 ng
RT: 8.40 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	87.1	71.3	106.9	
115	31.1	27.1	40.7	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.43 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097485.D

Acq: 8 Aug 2017 23:04

Instrument :

BNA_F

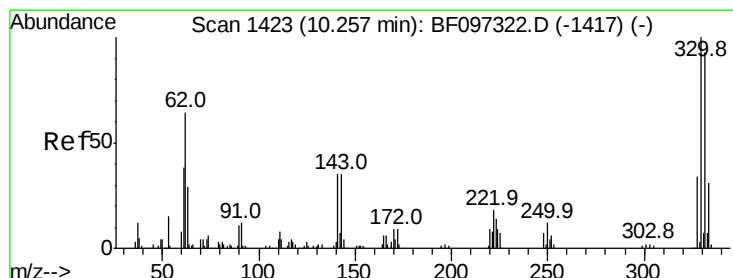
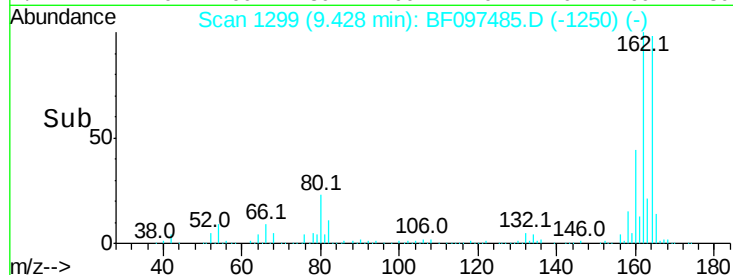
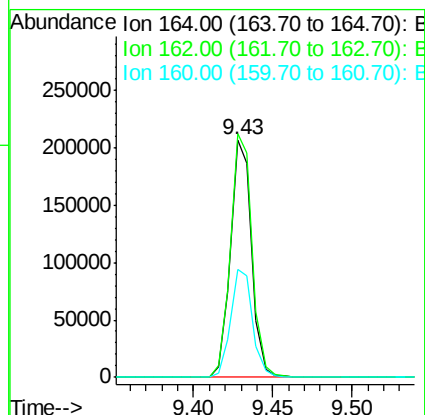
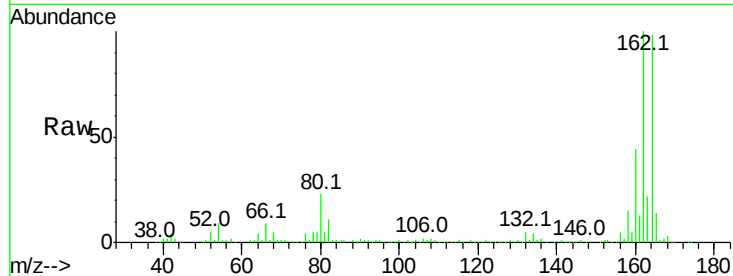
ClientSampleId :

L-1338-A-COMP

Tot Ion:	164	Resp:	190681
Ion Ratio	Lower	Upper	
164	100		
162	102.5	82.6	123.8
160	45.5	36.2	54.2

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#41

2,4,6-Tribromophenol

Concen: 70.022 ng

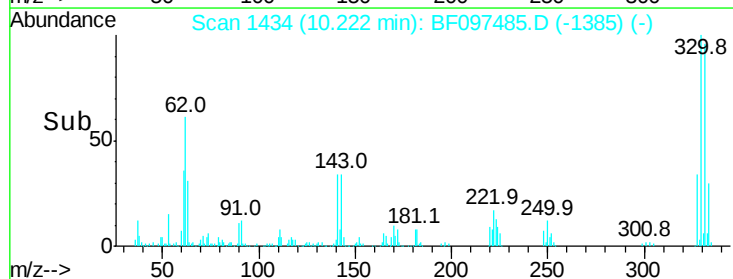
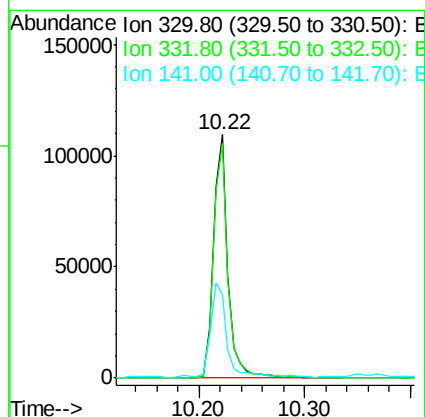
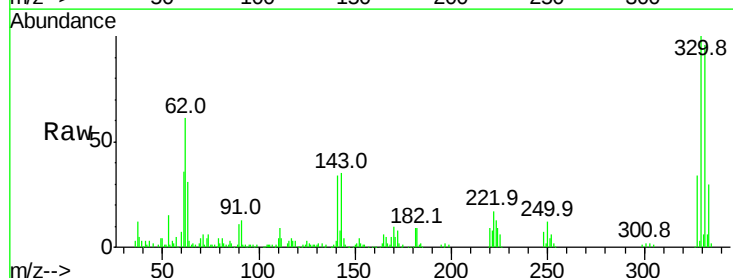
RT: 10.22 min Scan# 1434

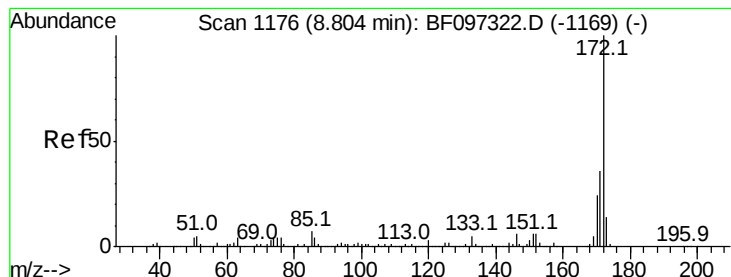
Delta R.T. -0.01 min

Lab File: BF097485.D

Acq: 8 Aug 2017 23:04

Tgt Ion:	330	Resp:	105493
Ion Ratio	Lower	Upper	
330	100		
332	96.8	76.6	115.0
141	46.9	31.4	47.2





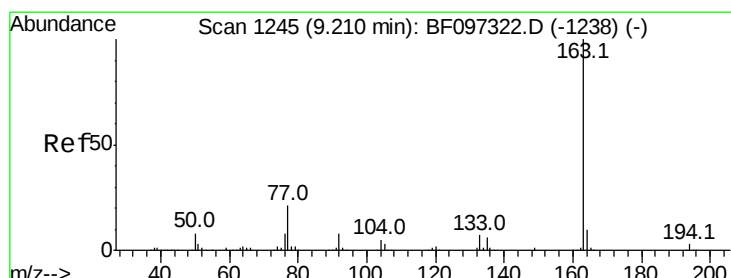
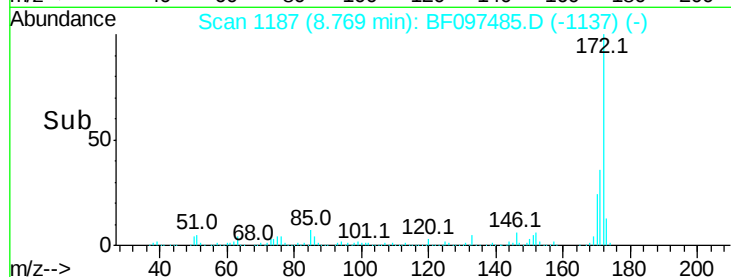
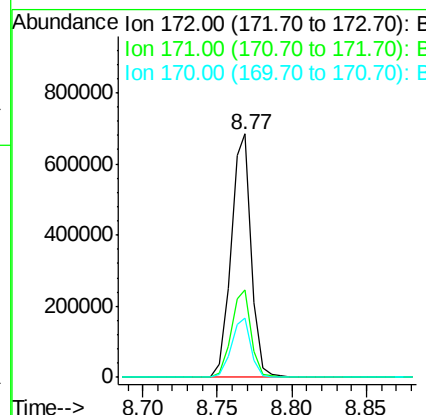
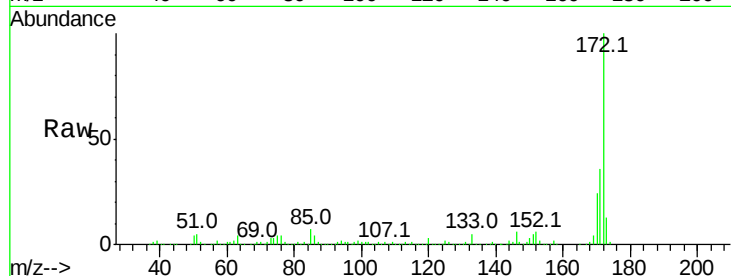
#44
2-Fluorobiphenyl
Concen: 58.182 ng
RT: 8.77 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Instrument :
BNA_F
ClientSampleId :
L-1338-A-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	653714		
171	36.1		29.6	44.4
170	24.3		19.8	29.8

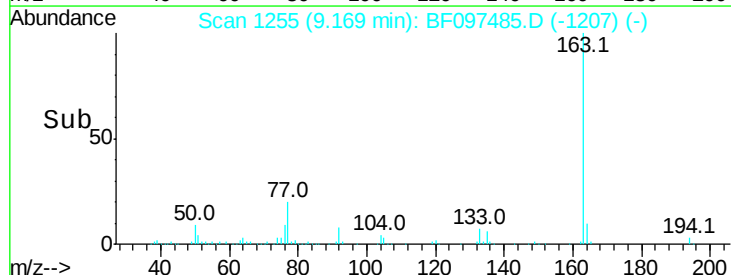
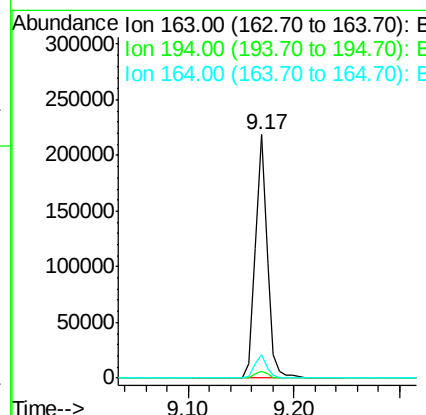
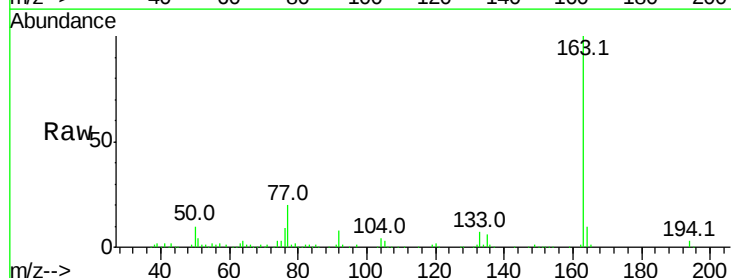
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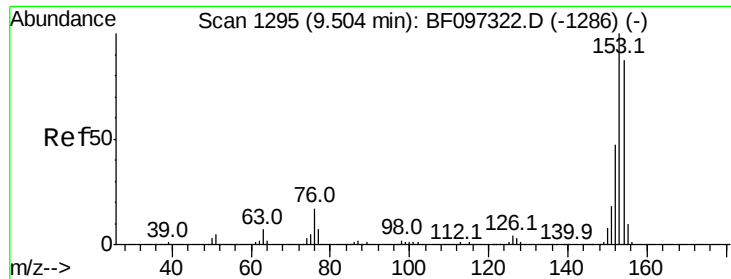
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#49
Dimethylphthalate
Concen: 11.993 ng
RT: 9.17 min Scan# 1255
Delta R.T. -0.02 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	173662		
194	2.8		2.6	4.0
164	9.5		8.4	12.6





#51

Acenaphthene

Concen: 3.177 ng

RT: 9.46 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF097485.D

Acq: 8 Aug 2017 23:04

Instrument :

BNA_F

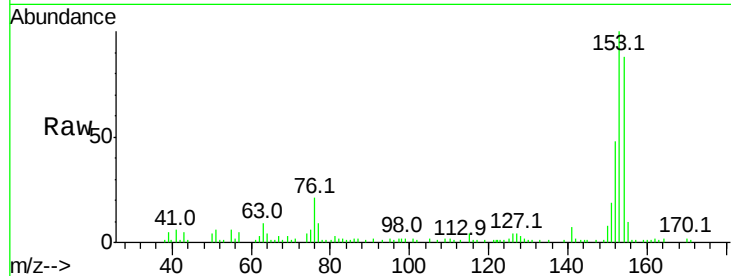
ClientSampleId :

L-1338-A-COMP

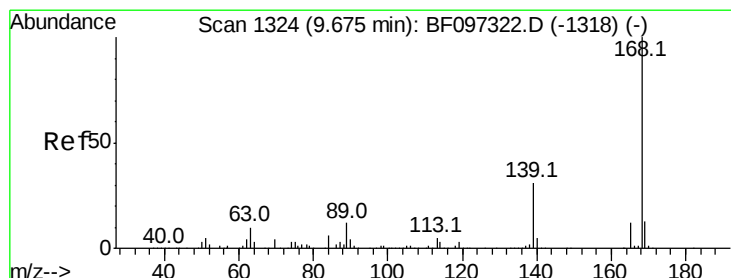
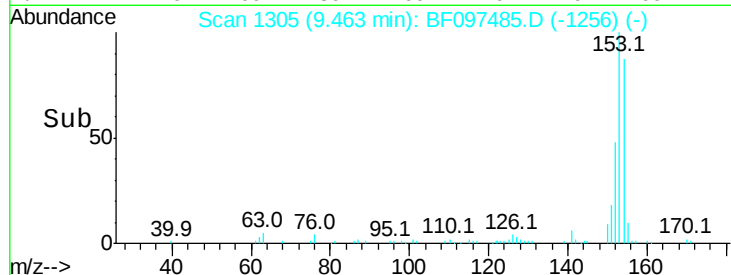
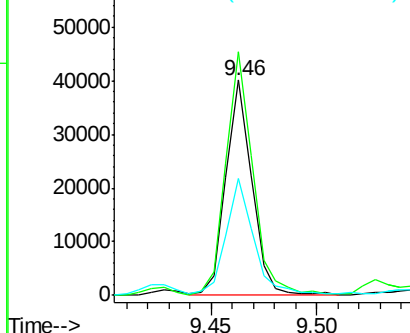
Tot Ion:154	Resp:	34428
Ion Ratio	Lower	Upper
154	100	
153	113.1	90.5 135.7
152	54.1	43.6 65.4

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.855 ng

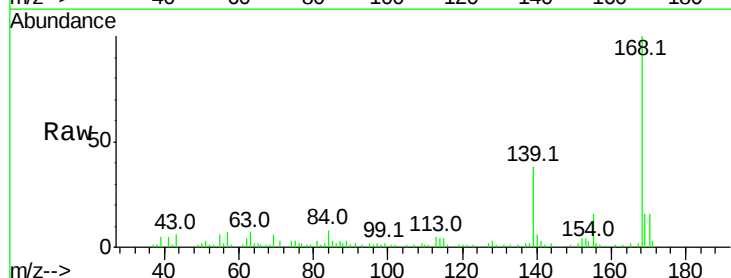
RT: 9.64 min Scan# 1335

Delta R.T. -0.01 min

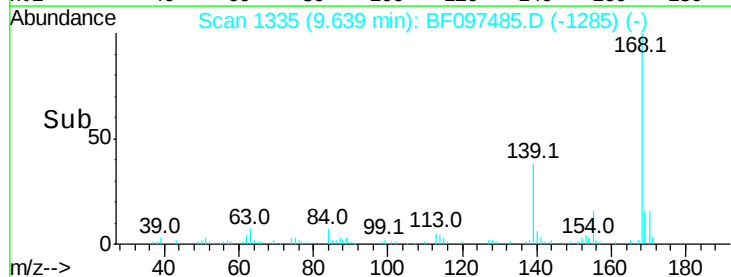
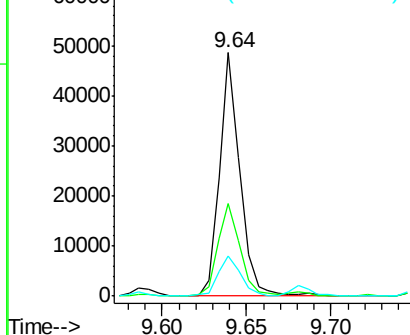
Lab File: BF097485.D

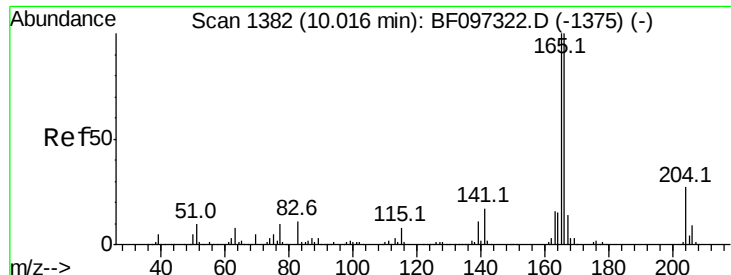
Acq: 8 Aug 2017 23:04

Tgt Ion:168	Resp:	41208
Ion Ratio	Lower	Upper
168	100	
139	38.3	30.6 45.8
169	16.3	10.8 16.2#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





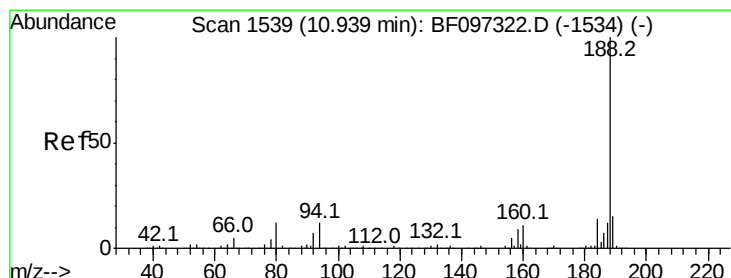
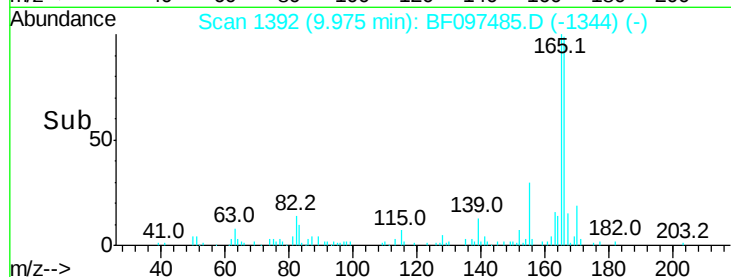
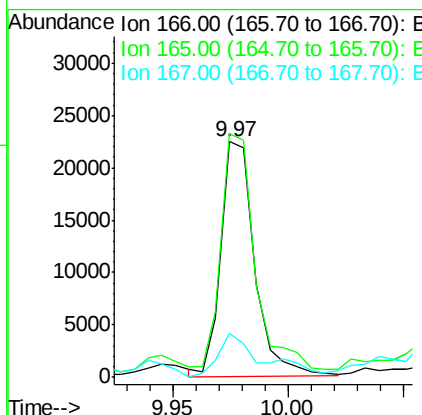
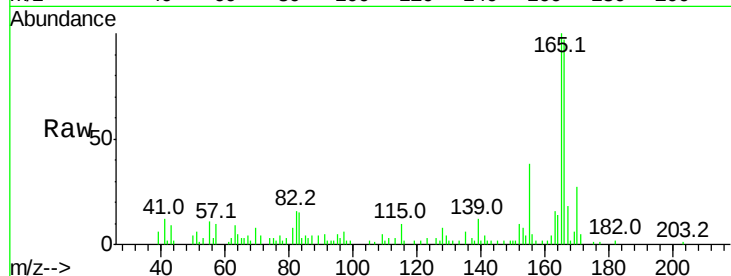
#57
Fluorene
 Concen: 2.099 ng
 RT: 9.97 min Scan# 1392
 Delta R.T. -0.02 min
 Lab File: BF097485.D
 Acq: 8 Aug 2017 23:04

Instrument :
 BNA_F
 ClientSampleId :
 L-1338-A-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.2	78.8	118.2
167	18.4	10.6	16.0

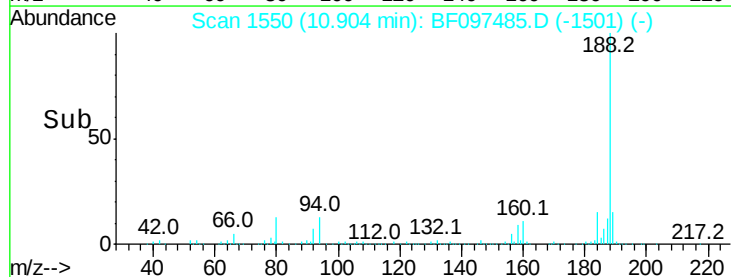
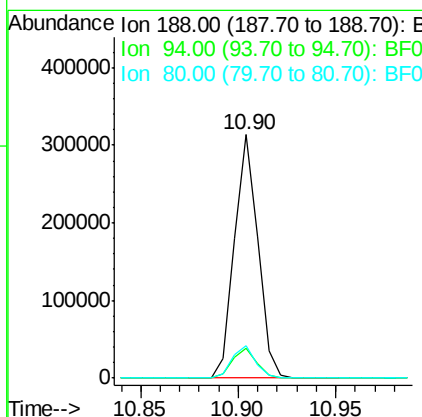
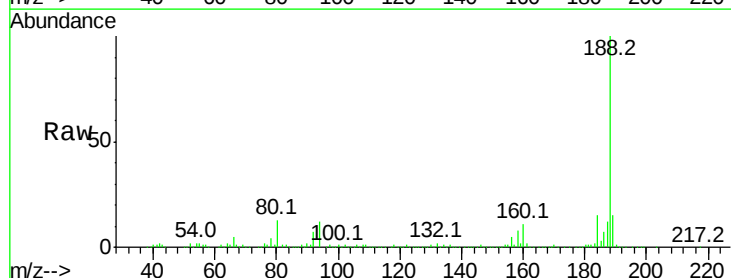
Manual Integrations
 APPROVED

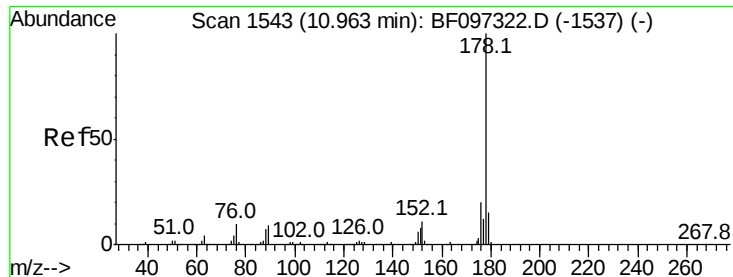
Sohil
 8/9/2017 7:16:32 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.90 min Scan# 1550
 Delta R.T. -0.01 min
 Lab File: BF097485.D
 Acq: 8 Aug 2017 23:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.5	9.4	14.2
80	13.1	10.2	15.2





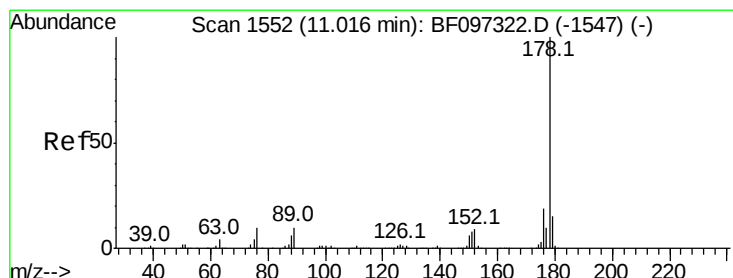
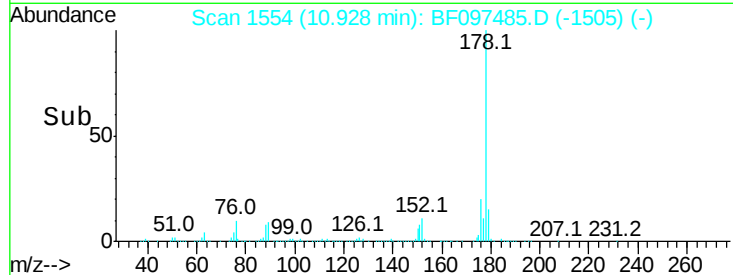
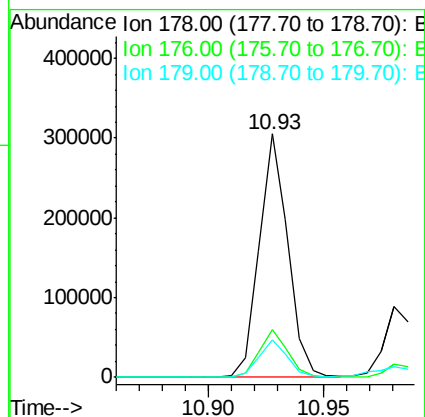
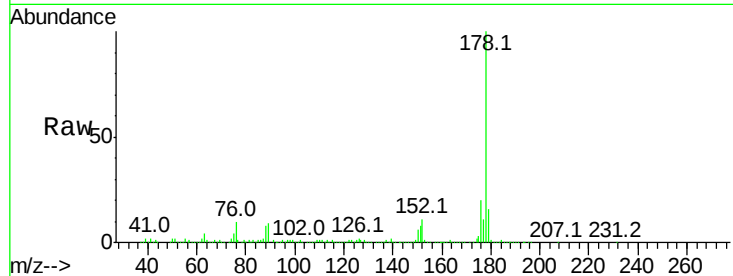
#70
Phenanthrene
Concen: 18.849 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Instrument :
BNA_F
ClientSampleId :
L-1338-A-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.5	12.6	19.0

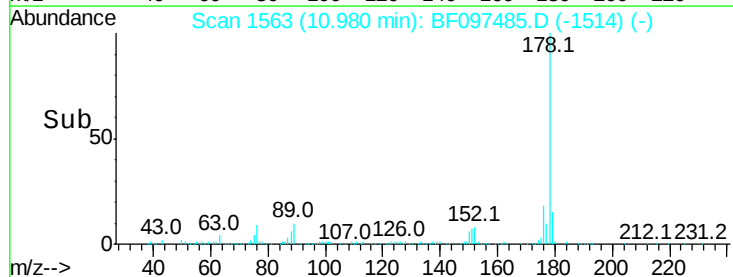
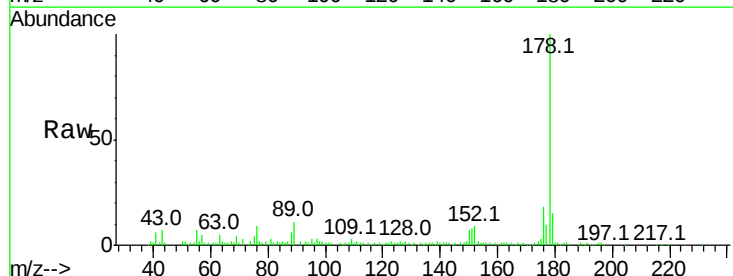
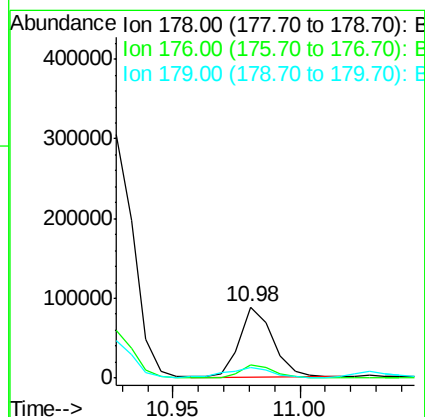
Manual Integrations
APPROVED

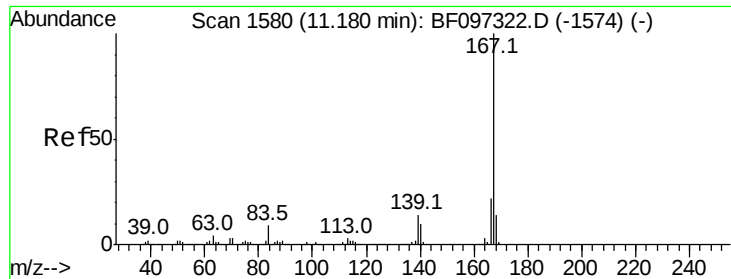
Sohil
8/9/2017 7:16:32 PM



#71
Anthracene
Concen: 5.566 ng
RT: 10.98 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.3	12.7	19.1





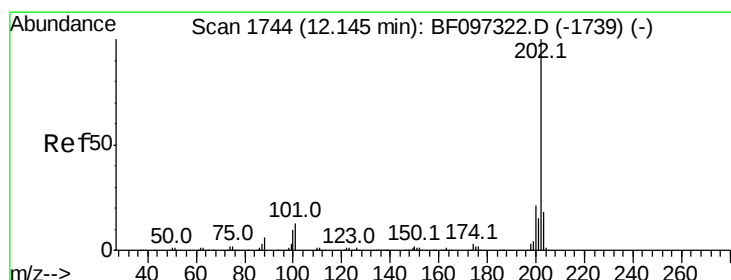
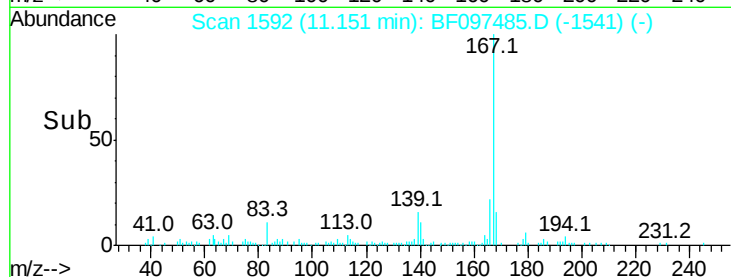
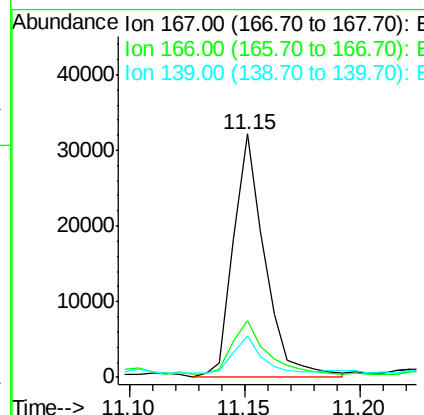
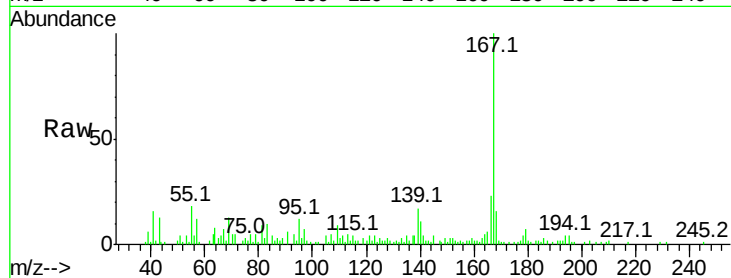
#72
 Carbazole
 Concen: 2.161 ng
 RT: 11.15 min Scan# 1592
 Delta R.T. 0.00 min
 Lab File: BF097485.D
 Acq: 8 Aug 2017 23:04

Instrument :
 BNA_F
 ClientSampleId :
 L-1338-A-COMP

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.1	18.1	27.1
139	16.8	11.7	17.5

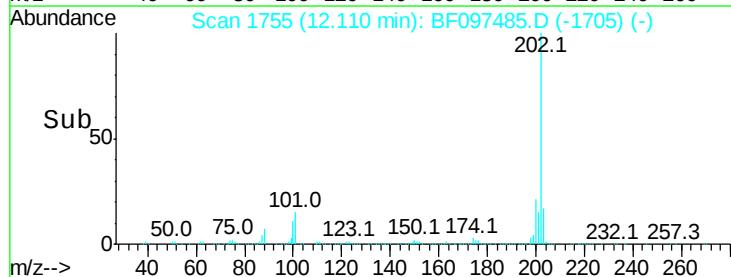
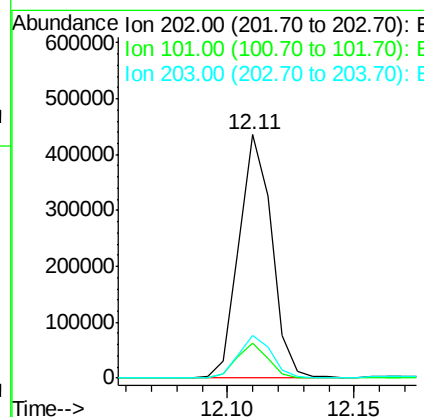
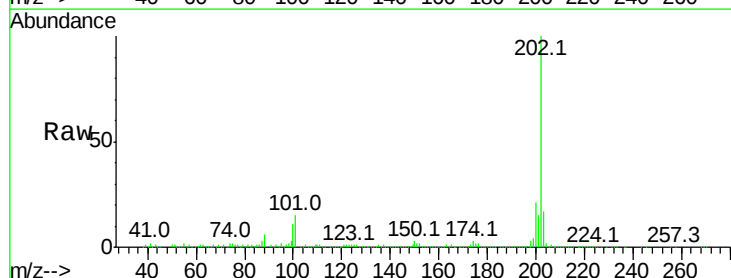
Manual Integrations
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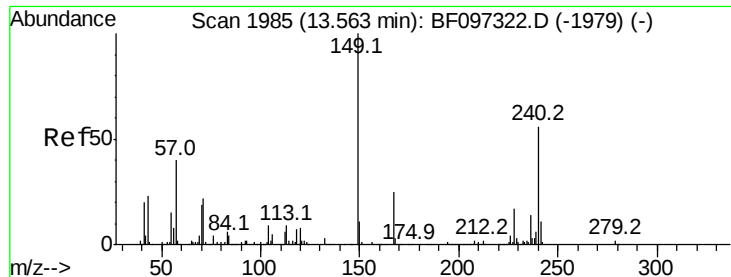
Sohil
 8/9/2017 7:16:32 PM



#74
 Fluoranthene
 Concen: 28.299 ng
 RT: 12.11 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BF097485.D
 Acq: 8 Aug 2017 23:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.53 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF097485.D

Acq: 8 Aug 2017 23:04

Instrument :

BNA_F

ClientSampleId :

L-1338-A-COMP

Tot Ion:240 Resp: 180144

Ion Ratio Lower Upper

240 100

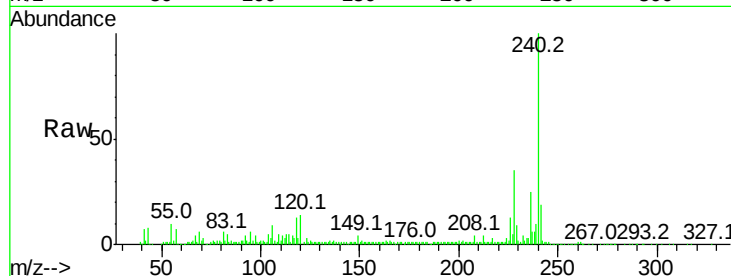
120 14.4 5.8 8.8#

236 25.5 20.5 30.7

Manual Integrations
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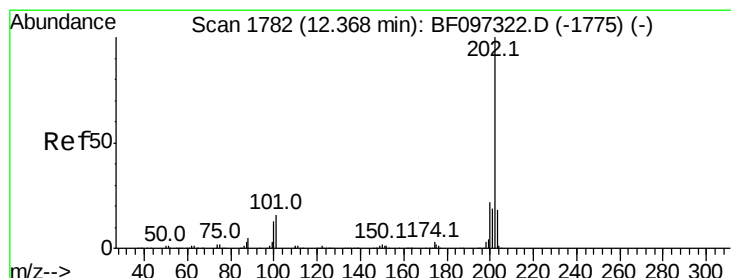
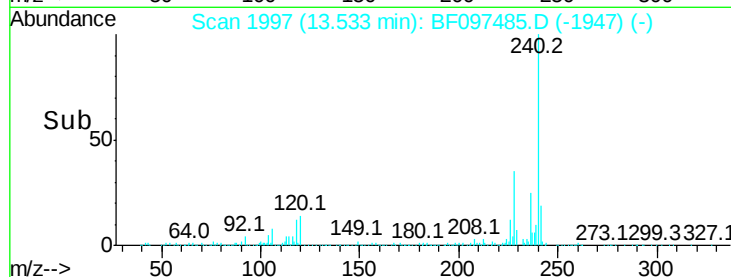
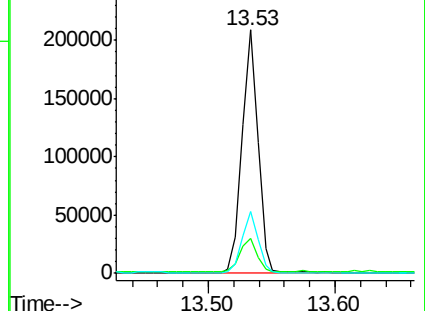
8/9/2017 7:16:32 PM



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: 23.508 ng

RT: 12.33 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF097485.D

Acq: 8 Aug 2017 23:04

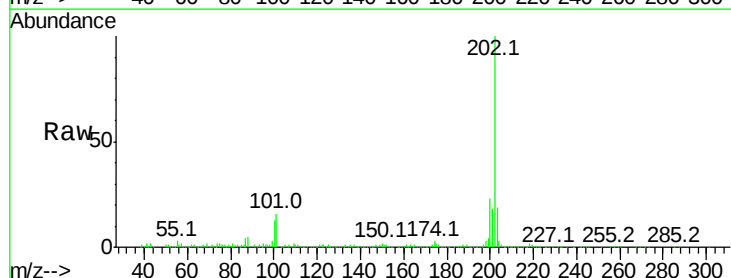
Tgt Ion:202 Resp: 346691

Ion Ratio Lower Upper

202 100

200 22.6 17.6 26.4

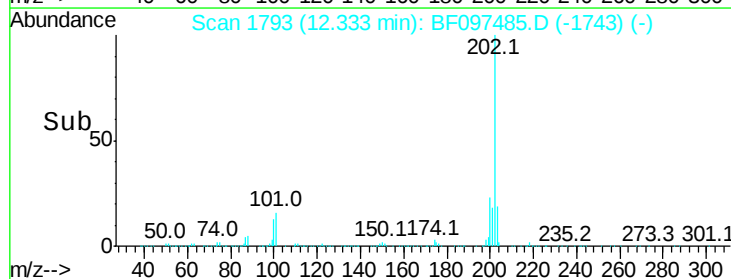
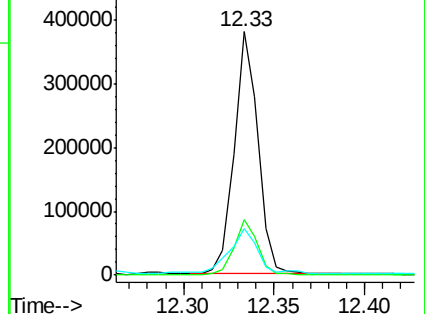
203 19.3 14.4 21.6

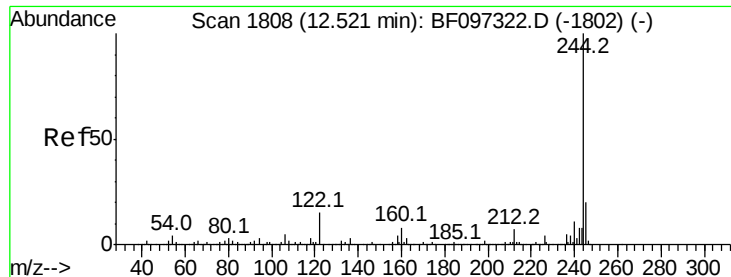


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 41.047 ng

RT: 12.49 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF097485.D

Acq: 8 Aug 2017 23:04

Instrument :

BNA_F

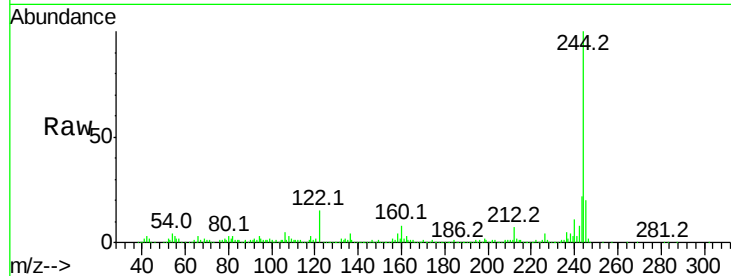
ClientSampled :

L-1338-A-COMP

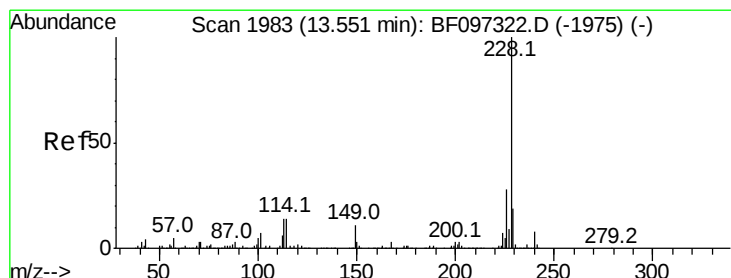
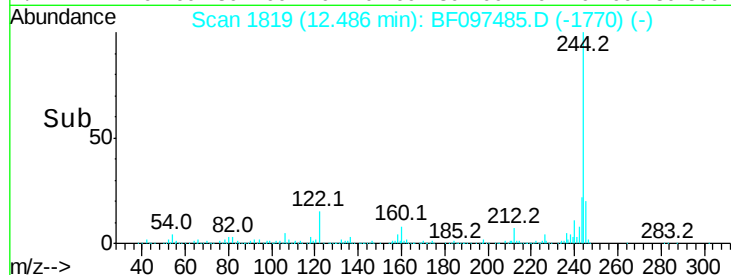
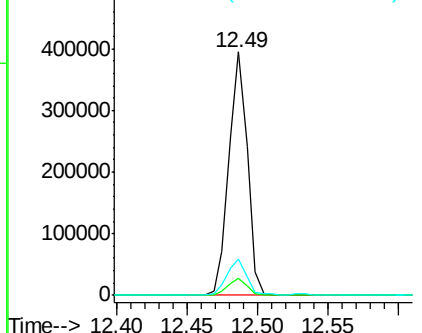
Tot Ion:	244	Resp:	362670
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	15.1	10.3	15.5

Manual Integrations
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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: 23.172 ng

RT: 13.52 min Scan# 1995

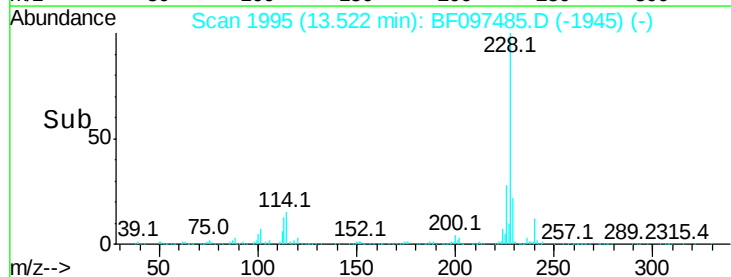
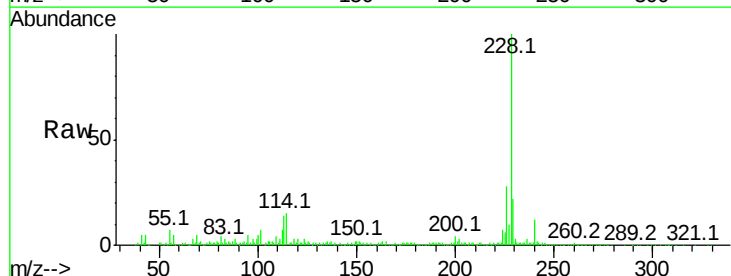
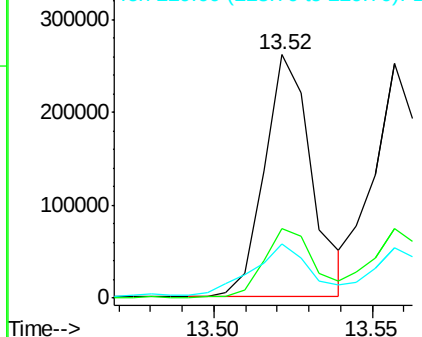
Delta R.T. -0.01 min

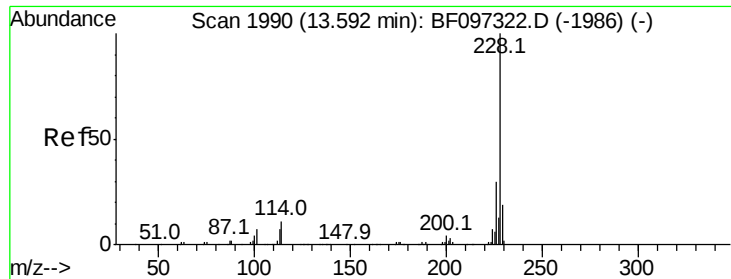
Lab File: BF097485.D

Acq: 8 Aug 2017 23:04

Tgt Ion:	228	Resp:	270095
Ion Ratio	Lower	Upper	
228	100		
226	28.3	22.6	33.8
229	22.1	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: 22.251 ng

RT: 13.56 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF097485.D

Acq: 8 Aug 2017 23:04

Instrument :

BNA_F

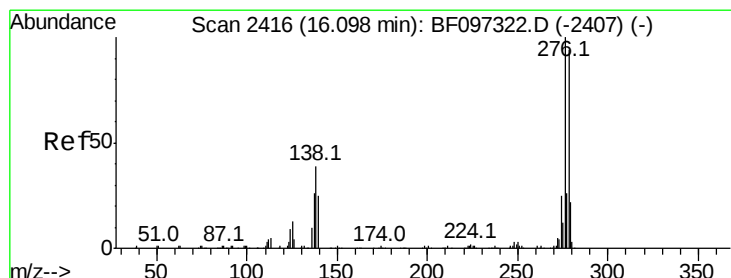
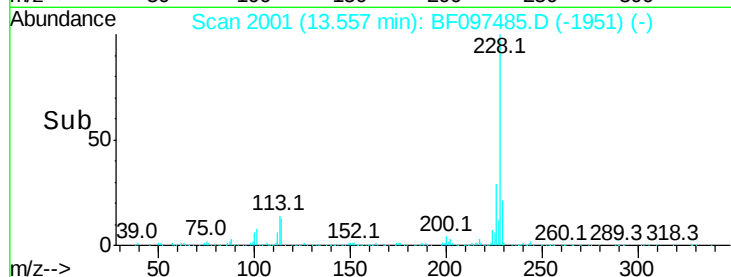
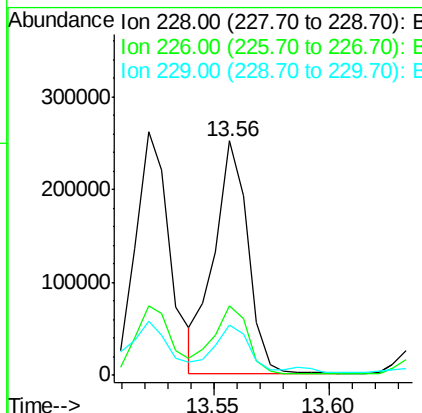
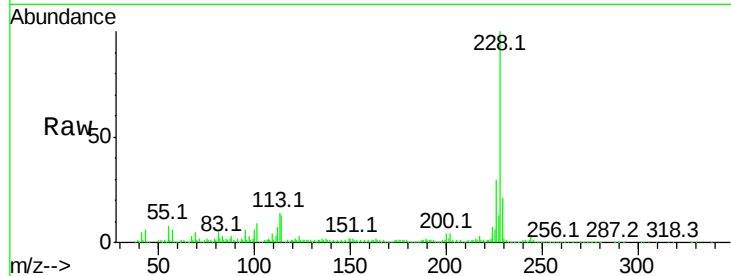
ClientSampleId :

L-1338-A-COMP

Tot Ion	Ratio	Resp	Lower	Upper
228	100	253253		
226	29.6		24.9	37.3
229	21.4		15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 16.538 ng

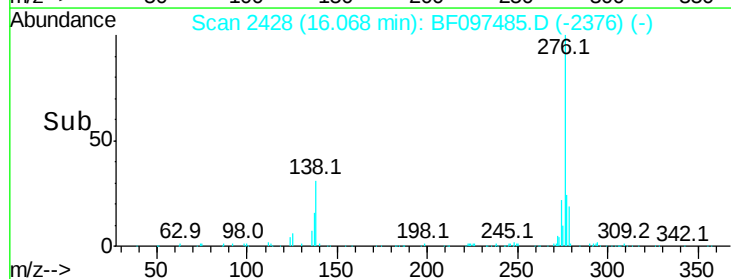
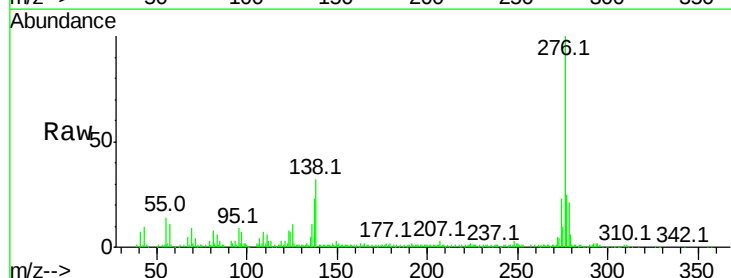
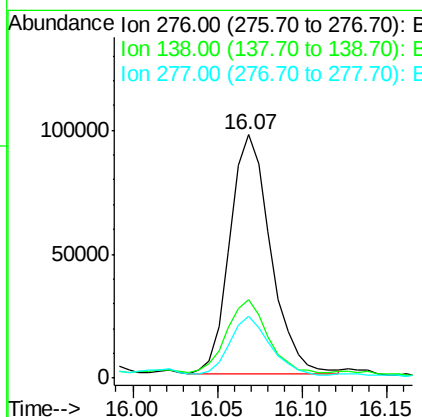
RT: 16.07 min Scan# 2428

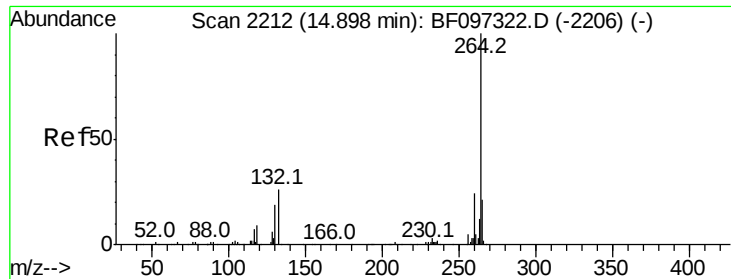
Delta R.T. 0.01 min

Lab File: BF097485.D

Acq: 8 Aug 2017 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	161400		
138	32.6		27.8	41.6
277	23.8		20.2	30.4





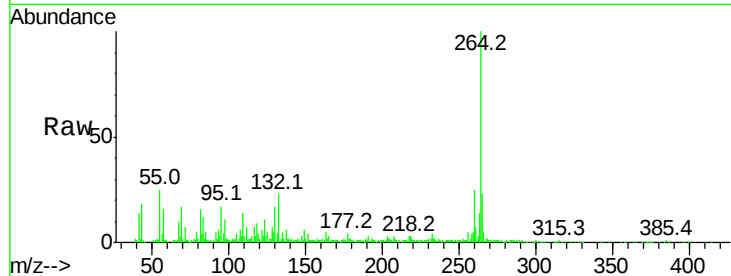
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.88 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Instrument :
BNA_F
ClientSampleId :
L-1338-A-COMP

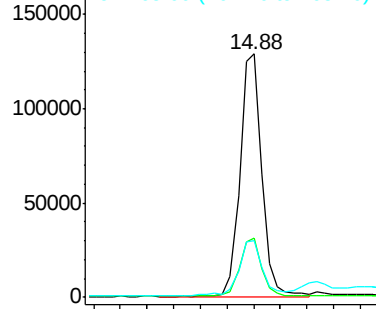
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	23.3	17.2	25.8

Manual Integrations
APPROVED

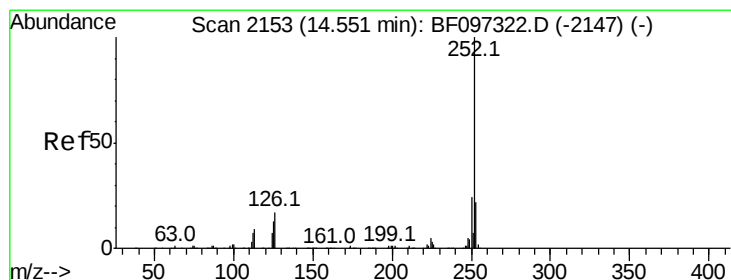
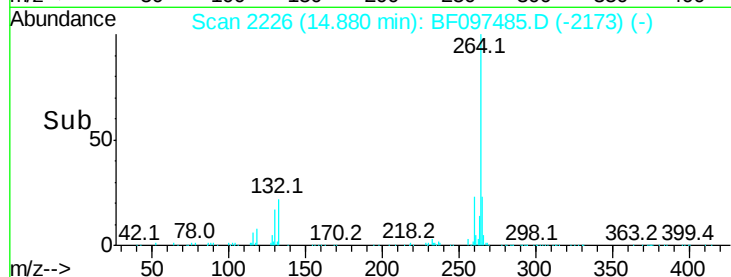
Sohil
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

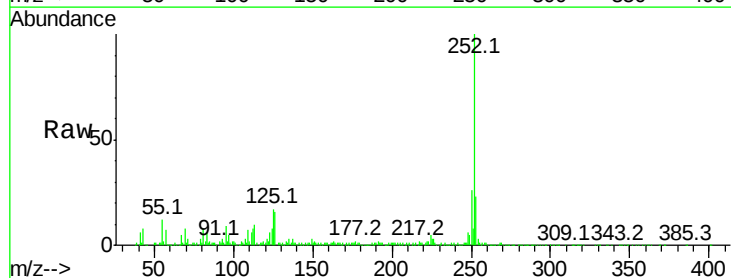


Time-->

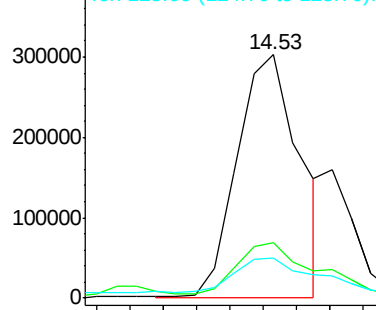


#87
Benzo(b)fluoranthene
Concen: 44.633 ng m
RT: 14.53 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

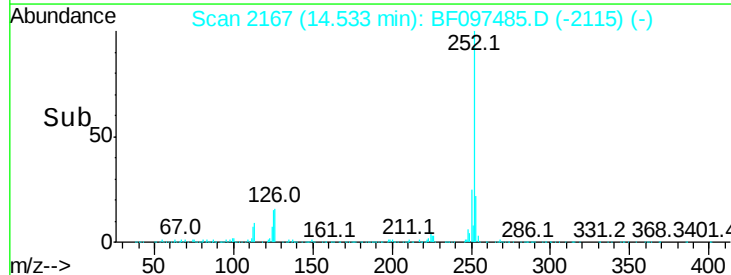
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	16.5	9.8	14.8#

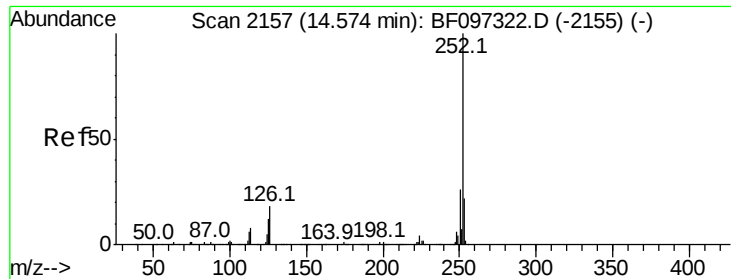


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





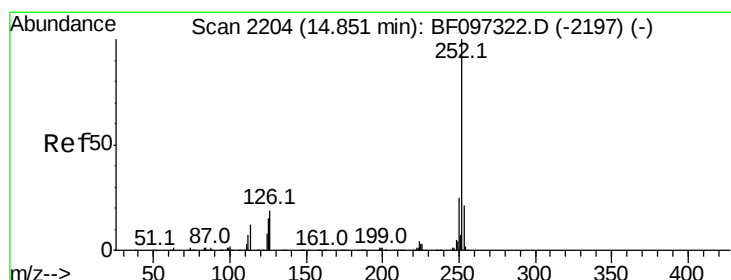
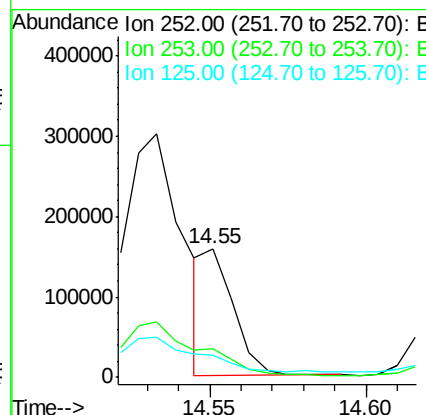
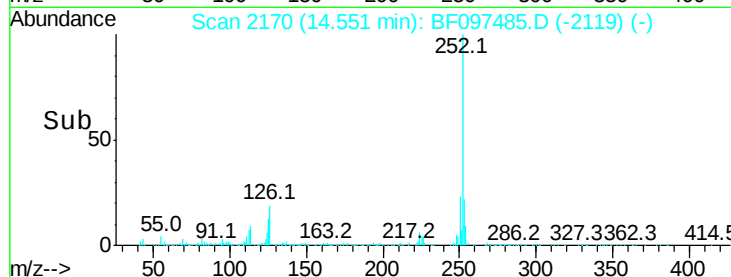
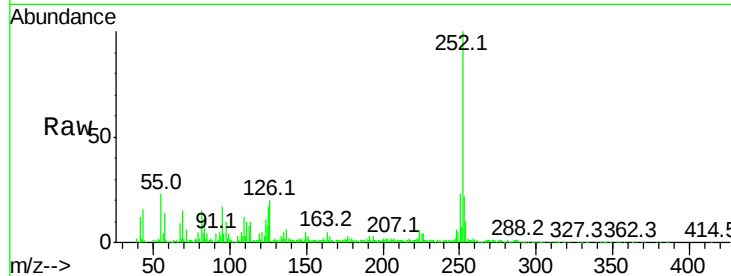
#88
Benzo(k)fluoranthene
Concen: 12.321 ng m
RT: 14.55 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Instrument :
BNA_F
ClientSampleId :
L-1338-A-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.4	27.6
125	17.1	13.1	19.7

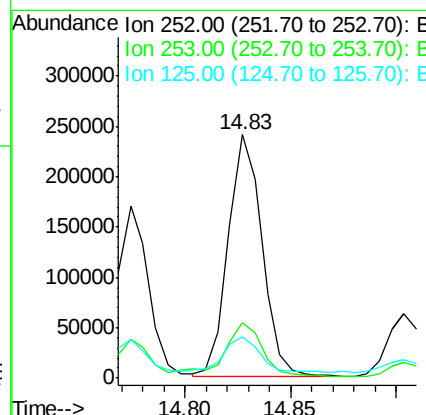
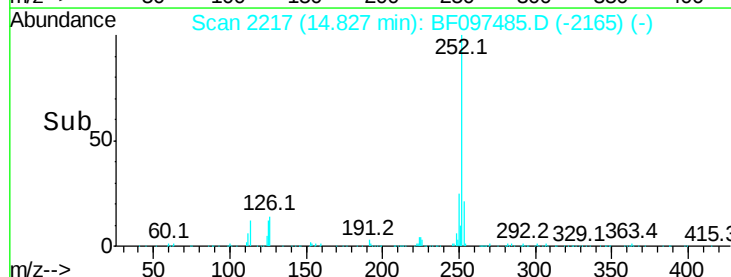
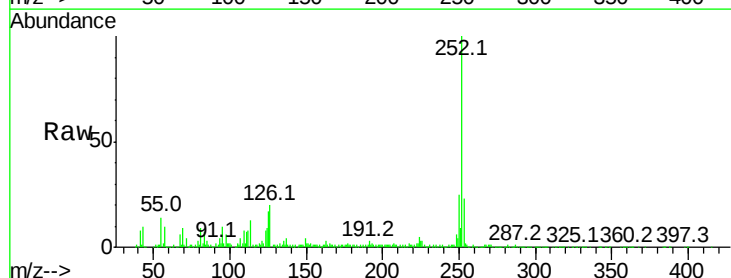
Manual Integrations
APPROVED

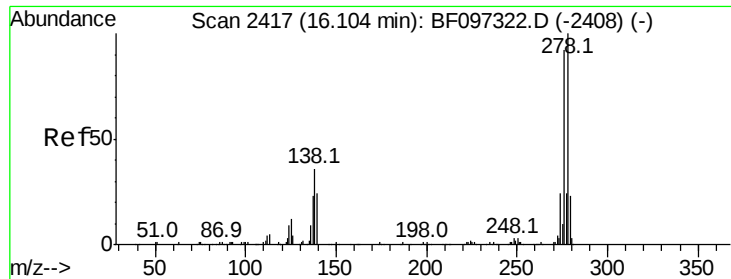
Sohil
8/9/2017 7:16:32 PM



#89
Benzo(a)pyrene
Concen: 32.824 ng
RT: 14.83 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	17.2	11.0	16.4





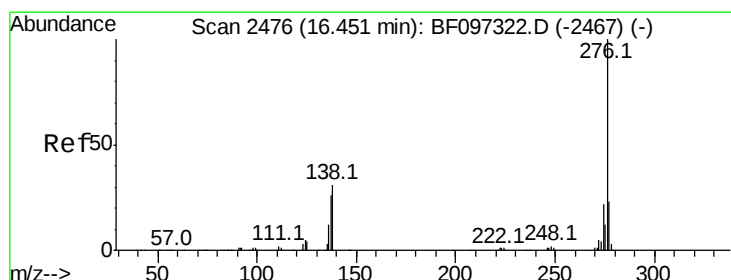
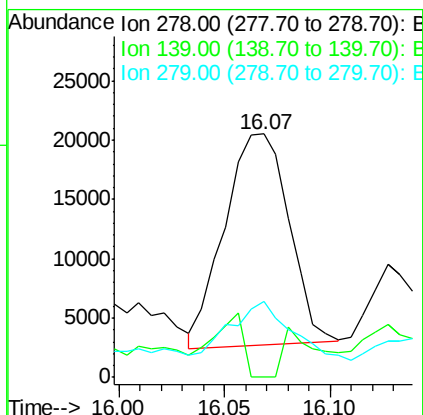
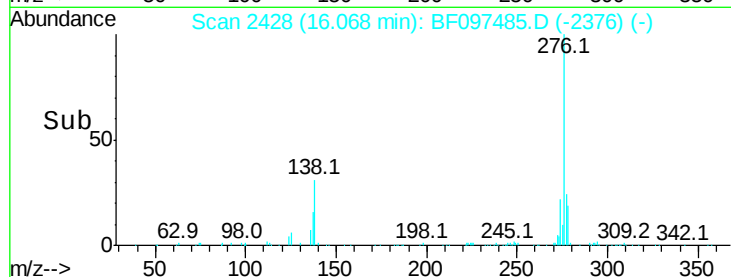
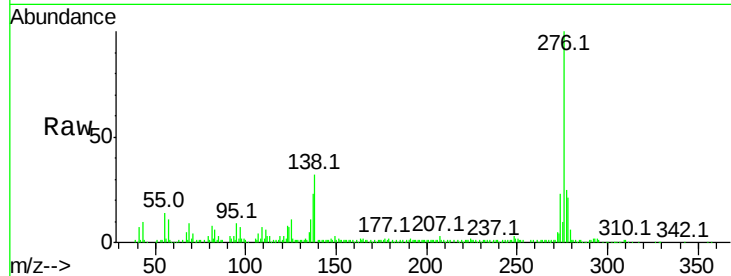
#90
Dibenzo(a,h)anthracene
Concen: 5.707 ng
RT: 16.07 min Scan# 2428
Delta R.T. 0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Instrument :
BNA_F
ClientSampleId :
L-1338-A-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	31.1	19.3	28.9#

Manual Integrations
APPROVED

Sohil
8/9/2017 7:16:32 PM



#91
Benzo(g,h,i)perylene
Concen: 22.539 ng
RT: 16.42 min Scan# 2488
Delta R.T. 0.01 min
Lab File: BF097485.D
Acq: 8 Aug 2017 23:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	30.4	25.4	38.0

