

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
 Data File : BF097456.D
 Acq On : 8 Aug 2017 4:37
 Operator : SJ/JU
 Sample : I4558-04DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-5(0-10)COMPDL

Manual Integrations
 APPROVED

Sohil
 8/9/2017 9:21:53 PM

Quant Time: Aug 08 07:35:54 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	6.41	152	88265	20.00	ng	0.00
21) Naphthalene-d8	7.69	136	358846	20.00	ng	0.00
38) Acenaphthene-d10	9.43	164	139559	20.00	ng	0.00
63) Phenanthrene-d10	10.91	188	234978	20.00	ng	0.00
75) Chrysene-d12	13.53	240	192994	20.00	ng	0.00
86) Perylene-d12	14.87	264	136341	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.02	112	57651	9.85	ng	0.01
7) Phenol-d6	6.10	99	71472	10.69	ng	0.01
23) Nitrobenzene-d5	6.99	82	49675	8.12	ng	0.00
41) 2,4,6-Tribromophenol	10.23	330	11508	10.44	ng	0.00
44) 2-Fluorobiphenyl	8.77	172	74062	9.01	ng	0.00
78) Terphenyl-d14	12.49	244	49300	5.21	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.40	142	74417	6.948	ng	97
49) Dimethylphthalate	9.17	163	41929	3.956	ng	96
51) Acenaphthene	9.47	154	18210	2.296	ng	97
70) Phenanthrene	10.93	178	87493	6.949	ng	98
71) Anthracene	10.99	178	27587m	2.139	ng	
74) Fluoranthene	12.12	202	104625	8.483	ng	97
77) Pyrene	12.34	202	93733	5.933	ng	99
79) Butylbenzylphthalate	12.97	149	352073	43.807	ng	# 81
80) Benzo(a)anthracene	13.52	228	36827	2.949	ng	99
82) Chrysene	13.56	228	37454	3.072	ng	98
83) Bis(2-ethylhexyl)phthalate	13.54	149	114175	10.881	ng	# 66
84) Di-n-octyl phthalate	14.14	149	275026	14.282	ng	# 75
87) Benzo(b)fluoranthene	14.53	252	35846m	4.374	ng	
89) Benzo(a)pyrene	14.83	252	23837	3.178	ng	96

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

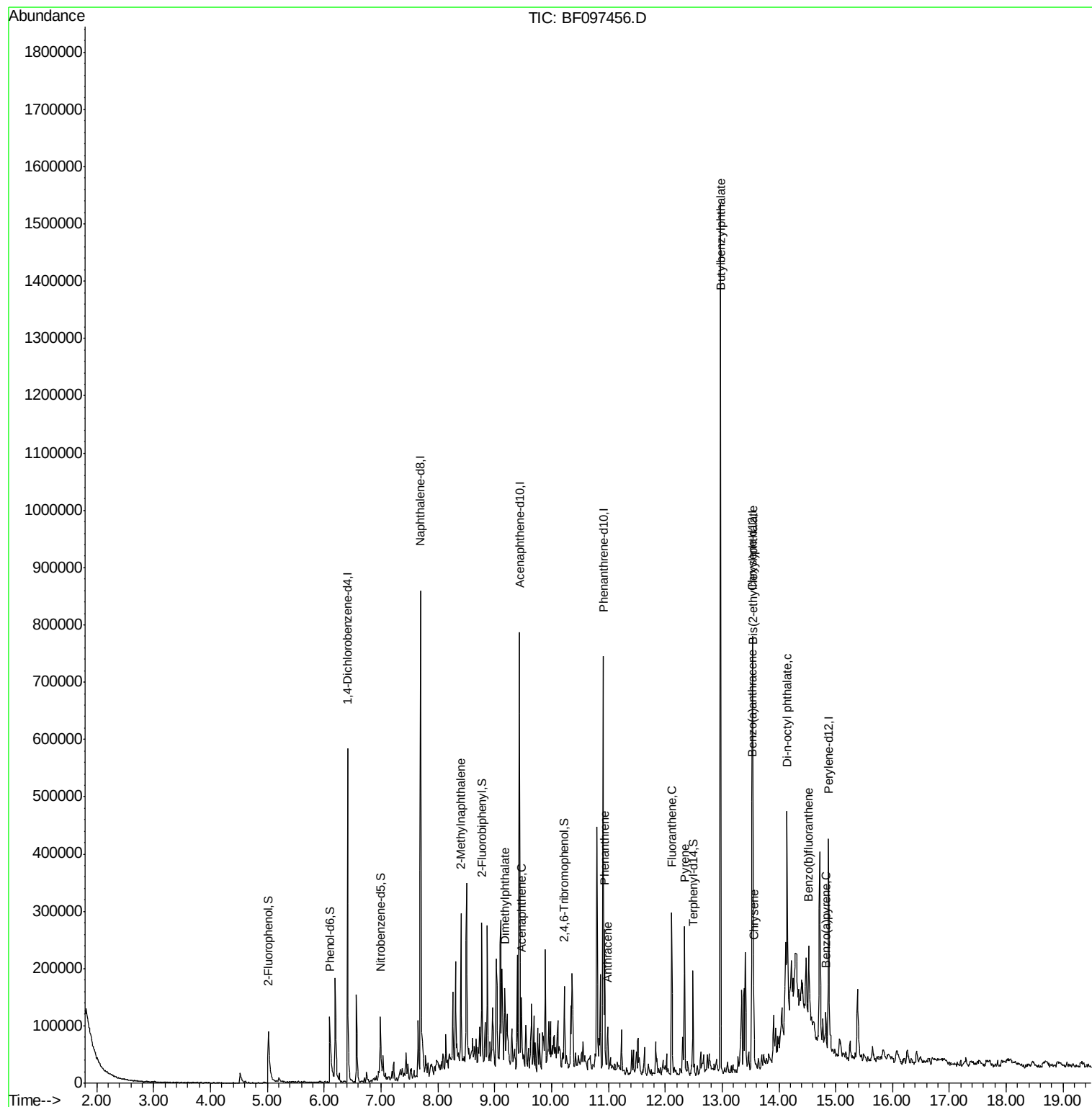
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080717\
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ALS Vial : 30 Sample Multiplier: 1

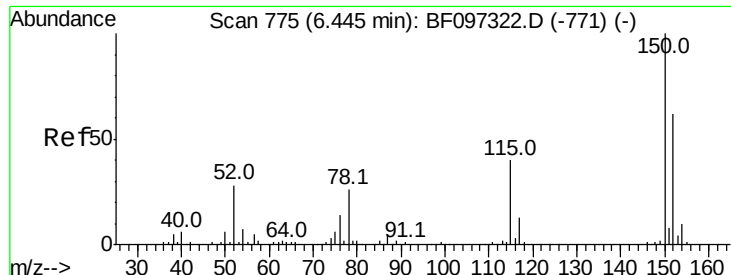
Instrument :
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B-5(0-10)COMPDL

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#1

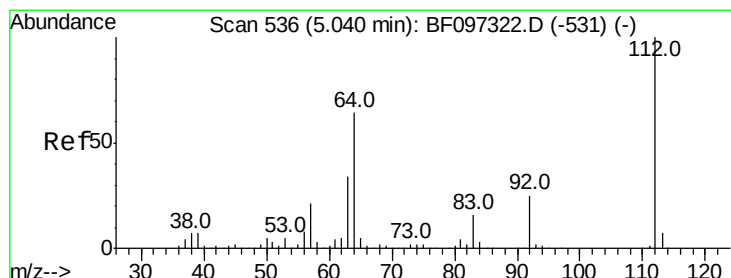
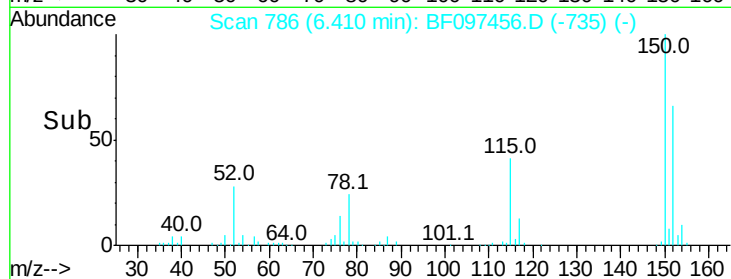
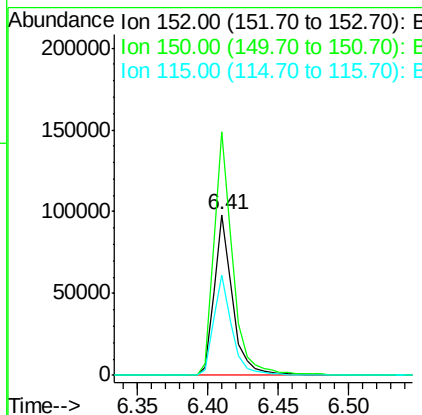
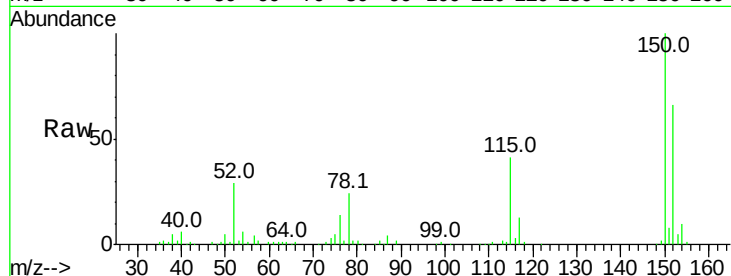
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.41 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Instrument :
BNA_F
ClientSampleId :
B-5(0-10)COMPDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	126.2	189.2
115	62.6	52.2	78.2

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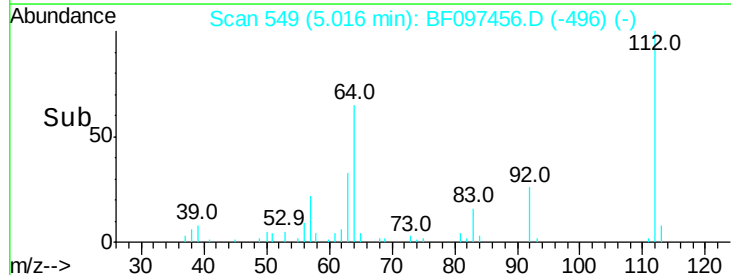
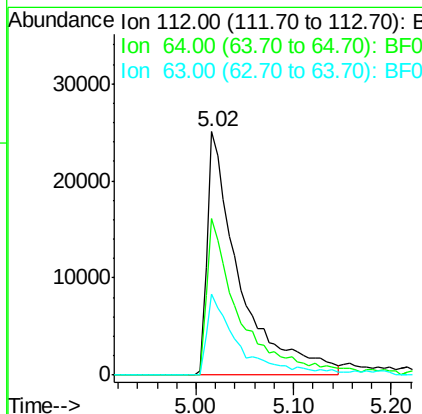
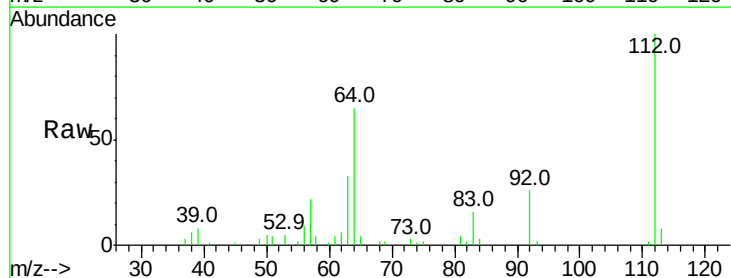
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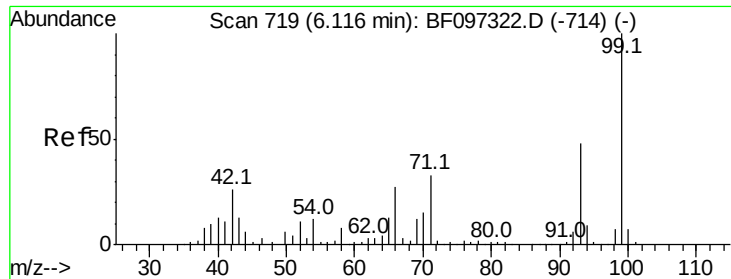


#5

2-Fluorophenol
Concen: 9.846 ng
RT: 5.02 min Scan# 549
Delta R.T. 0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	46.0	69.0
63	33.2	23.4	35.0





#7

Phenol-d6

Concen: 10.693 ng

RT: 6.10 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

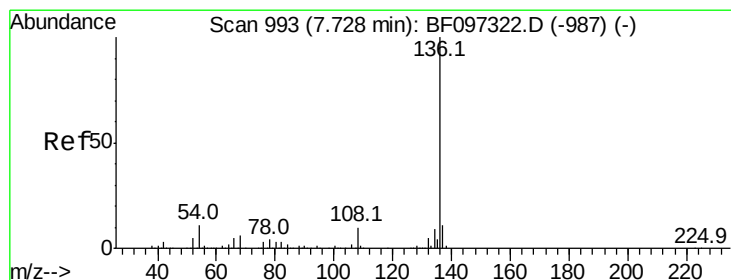
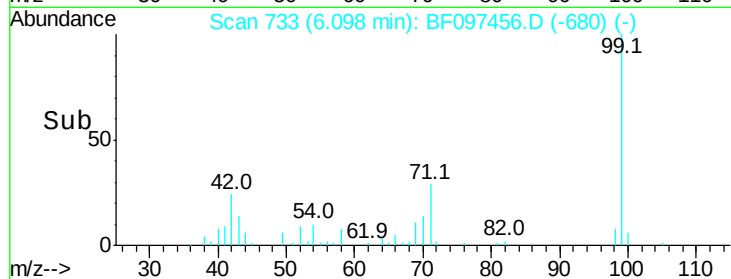
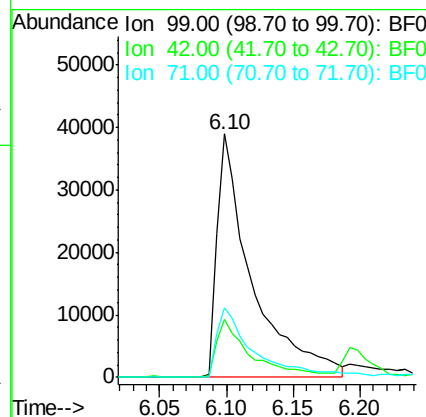
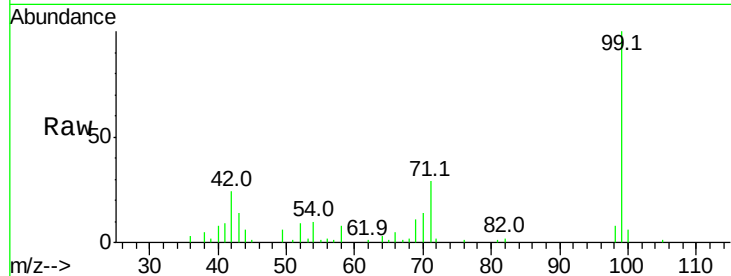
ClientSampleId :

B-5(0-10)COMPDL

Tot Ion:	99	Resp:	71472
Ion Ratio	Lower	Upper	
99	100		
42	24.0	13.5	20.3#
71	28.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

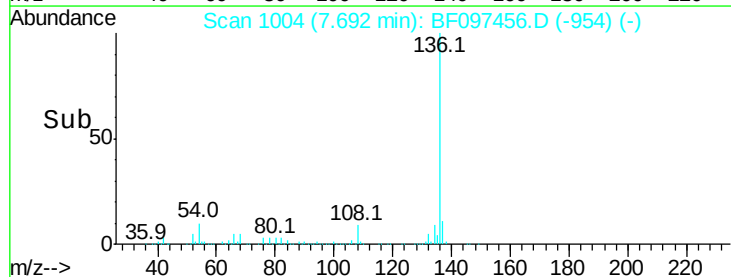
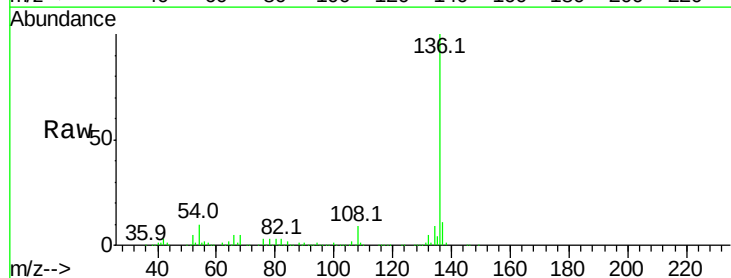
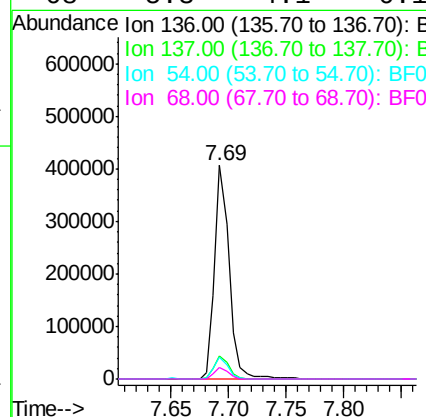
RT: 7.69 min Scan# 1004

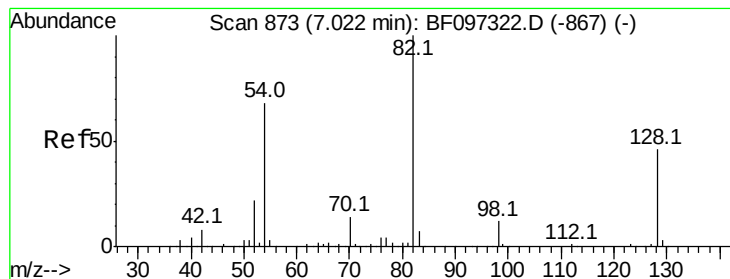
Delta R.T. -0.01 min

Lab File: BF097456.D

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Tgt Ion:	136	Resp:	358846
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	10.2	4.9	7.3#
68	5.3	4.1	6.1





#23

Nitrobenzene-d5

Concen: 8.121 ng

RT: 6.99 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

ClientSampleId :

B-5(0-10)COMPDL

Tot Ion: 82 Resp: 49675

Ion Ratio Lower Upper

82 100

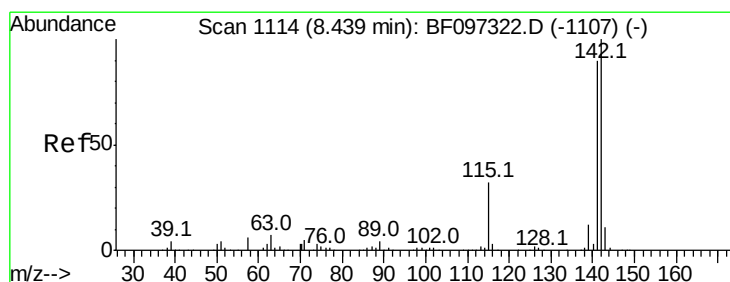
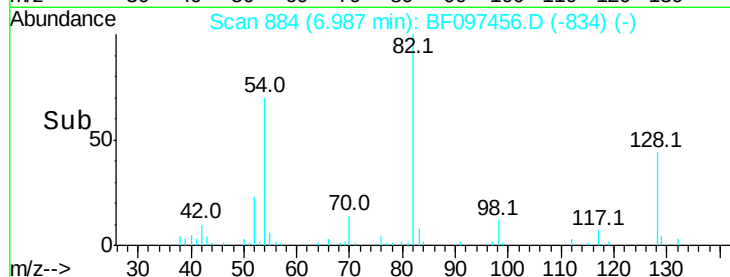
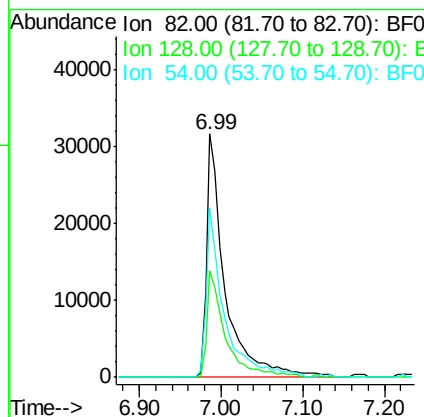
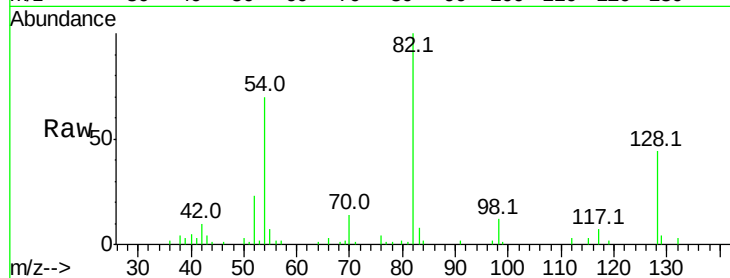
128 43.9 34.0 51.0

54 69.5 42.2 63.2#

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#37

2-Methylnaphthalene

Concen: 6.948 ng

RT: 8.40 min Scan# 1125

Delta R.T. -0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

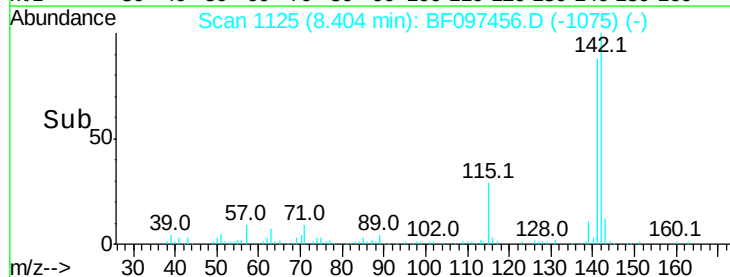
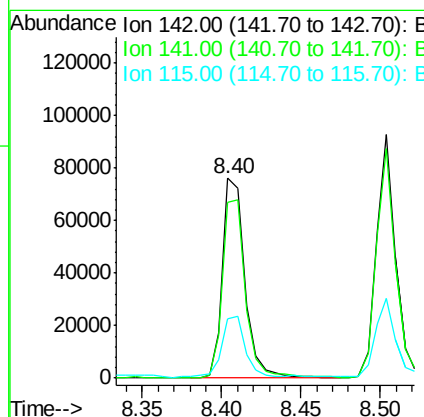
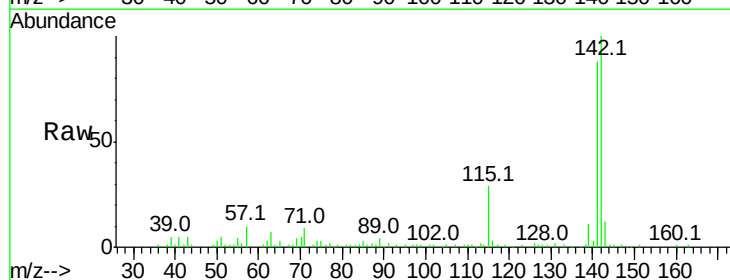
Tgt Ion: 142 Resp: 74417

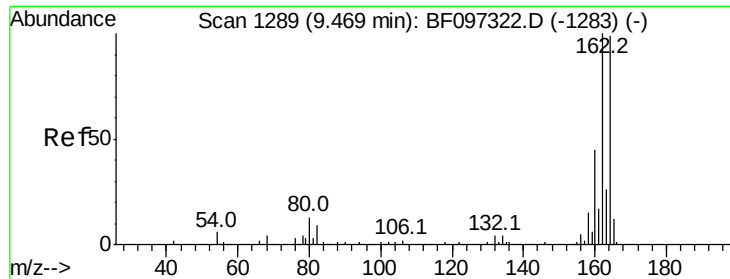
Ion Ratio Lower Upper

142 100

141 88.3 71.3 106.9

115 29.4 27.1 40.7





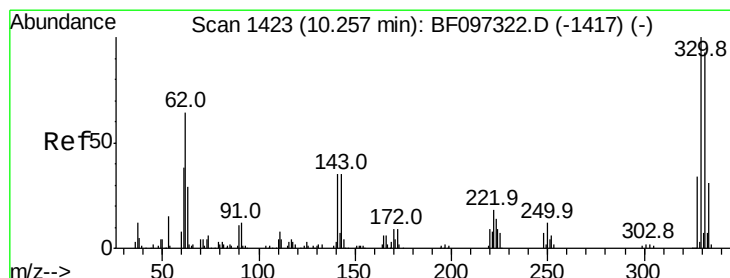
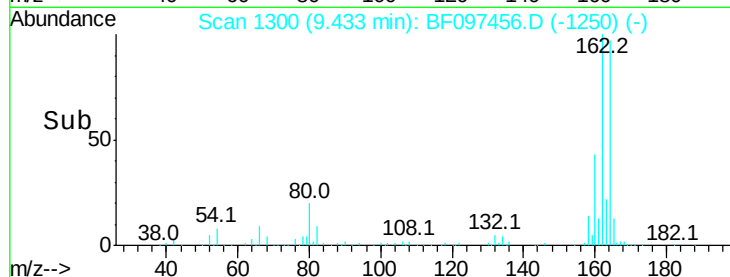
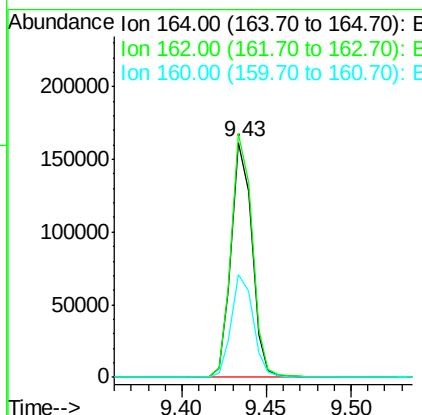
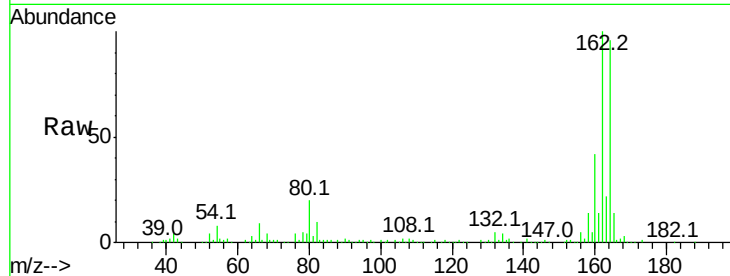
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.43 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF097456.D
 Acq: 8 Aug 2017 4:37

Instrument :
 BNA_F
 ClientSampleId :
 B-5(0-10)COMPDL

Tot Ion	Ratio	Resp	Lower	Upper
164	100	139559		
162	103.6	82.6	123.8	
160	44.0	36.2	54.2	

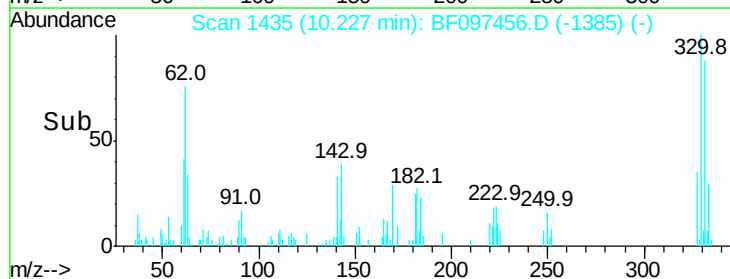
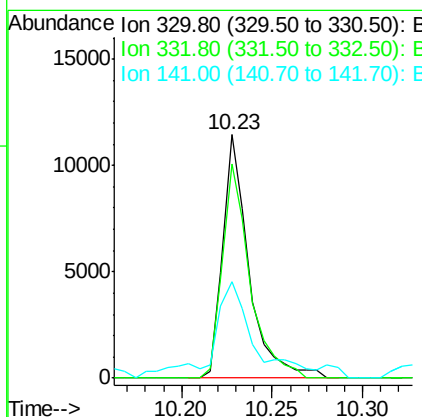
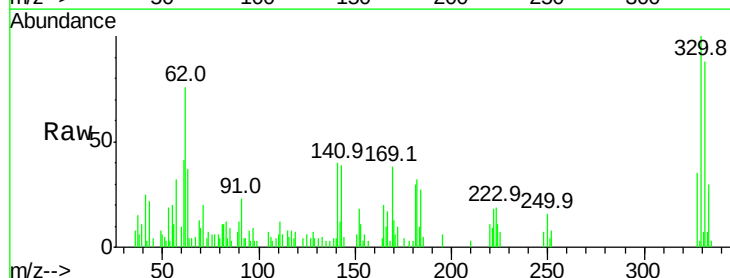
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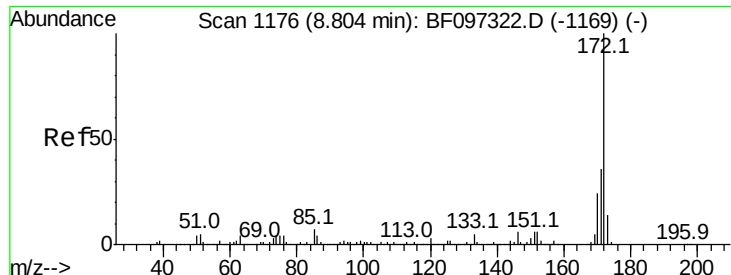
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#41
 2,4,6-Tribromophenol
 Concen: 10.437 ng
 RT: 10.23 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF097456.D
 Acq: 8 Aug 2017 4:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	11508		
332	92.1	76.6	115.0	
141	62.0	31.4	47.2	





#44

2-Fluorobiphenyl

Concen: 9.006 ng

RT: 8.77 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

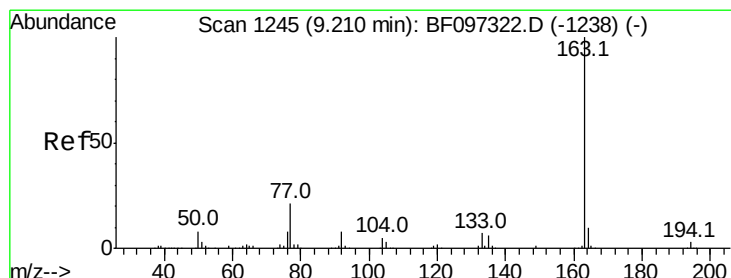
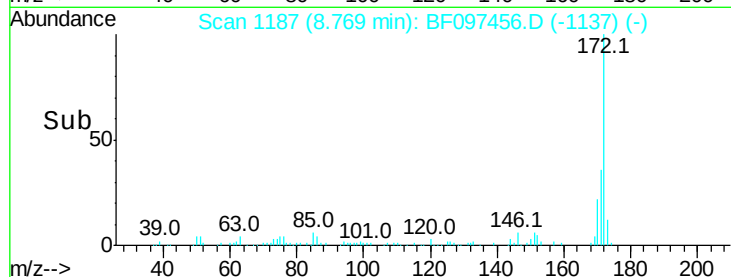
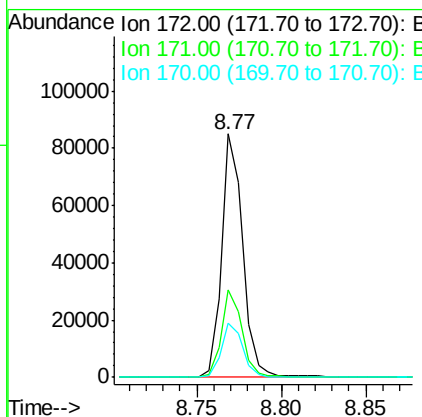
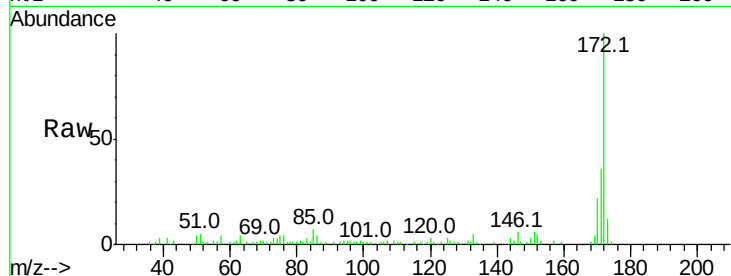
ClientSampleId :

B-5(0-10)COMPDL

Tot Ion:	172	Resp:	74062
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.6	44.4
170	22.3	19.8	29.8

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#49

Dimethylphthalate

Concen: 3.956 ng

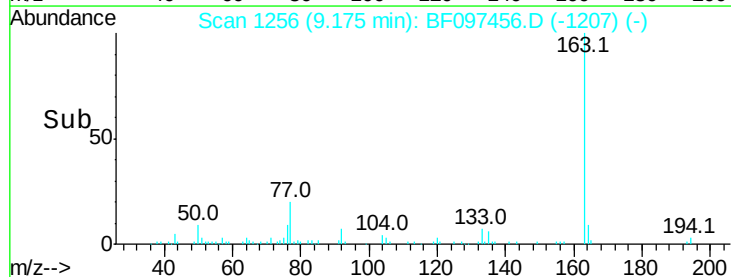
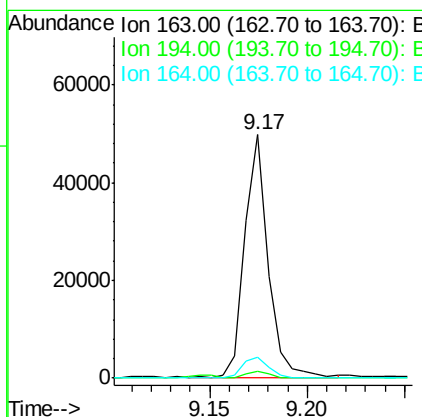
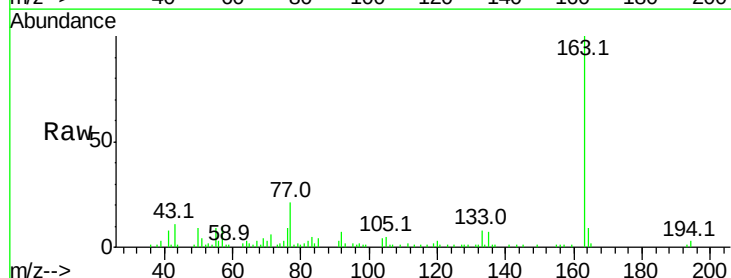
RT: 9.17 min Scan# 1256

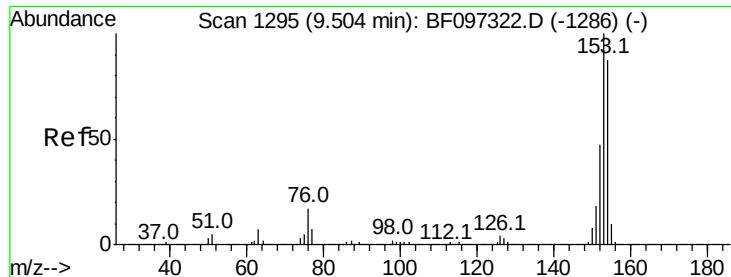
Delta R.T. -0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Tgt Ion:	163	Resp:	41929
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.6	4.0
164	8.5	8.4	12.6





#51

Acenaphthene

Concen: 2.296 ng

RT: 9.47 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

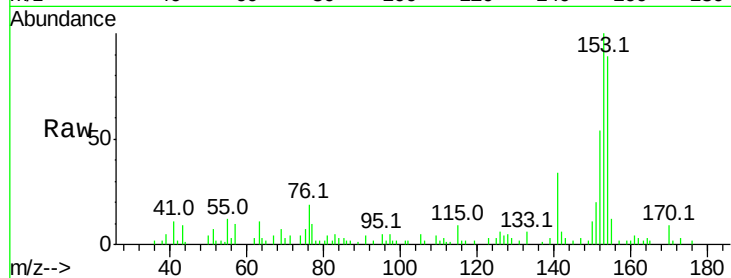
ClientSampleId :

B-5(0-10)COMPDL

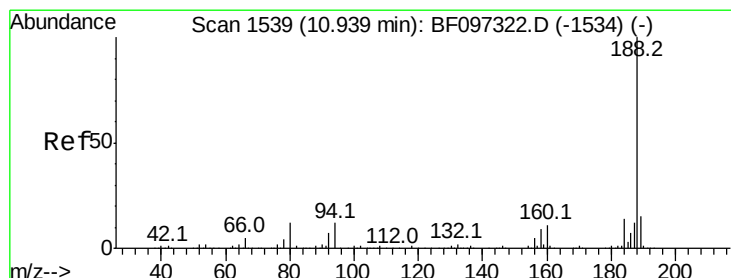
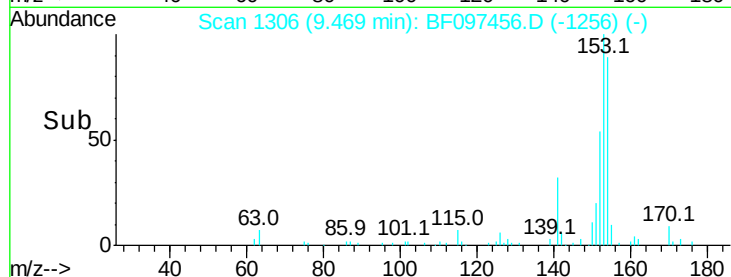
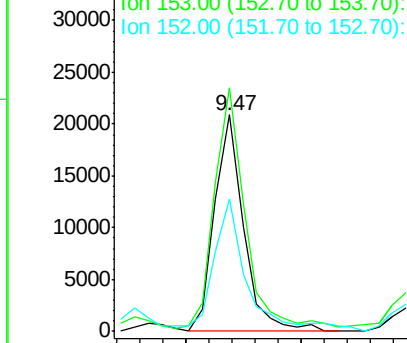
Tot Ion:	154	Resp:	18210
Ion Ratio	Lower	Upper	
154	100		
153	112.6	90.5	135.7
152	61.3	43.6	65.4

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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



#63

Phenanthrene-d10

Concen: 20.000 ng

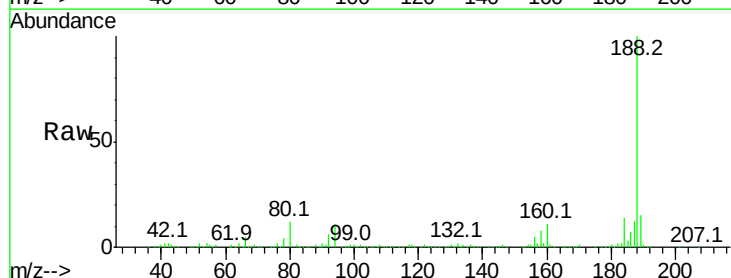
RT: 10.91 min Scan# 1551

Delta R.T. -0.01 min

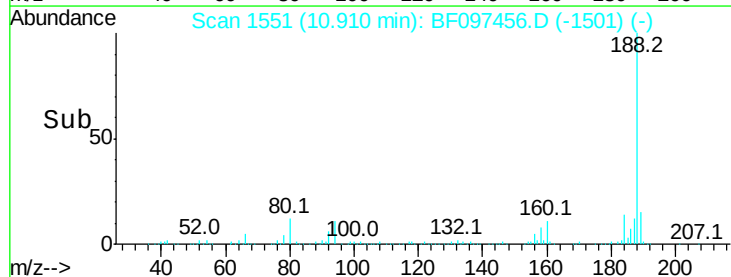
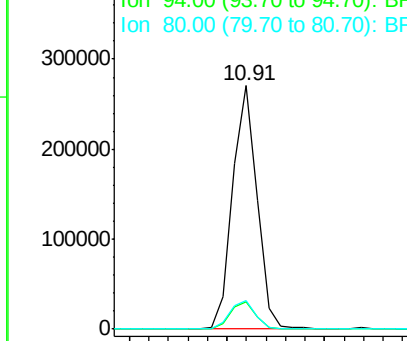
Lab File: BF097456.D

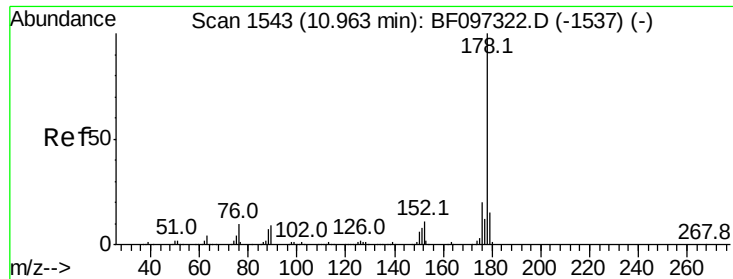
Acq: 8 Aug 2017 4:37

Tgt Ion:	188	Resp:	234978
Ion Ratio	Lower	Upper	
188	100		
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





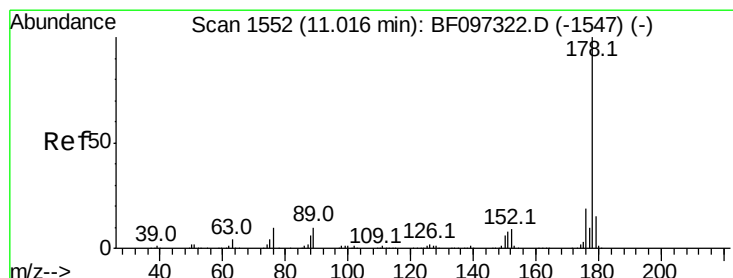
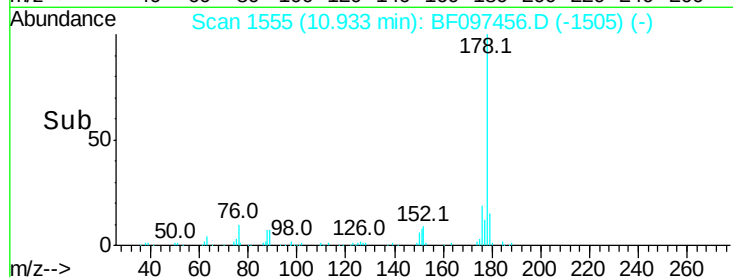
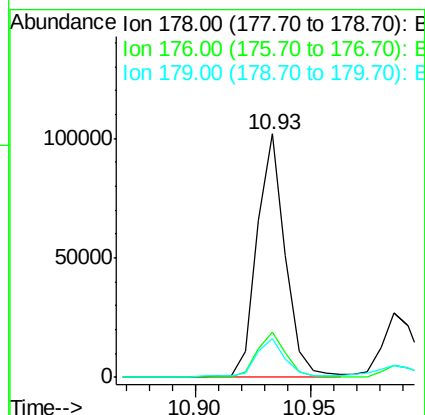
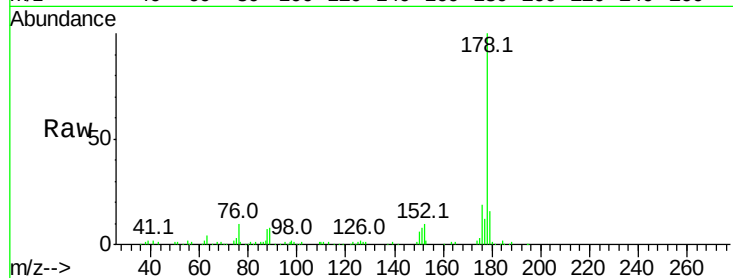
#70
Phenanthrene
Concen: 6.949 ng
RT: 10.93 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Instrument :
BNA_F
ClientSampleId :
B-5(0-10)COMPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.2	24.4
179	16.1	12.6	19.0

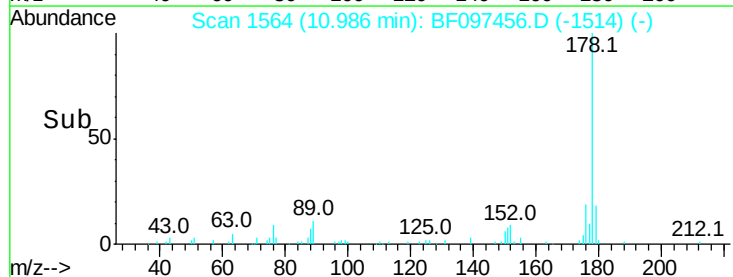
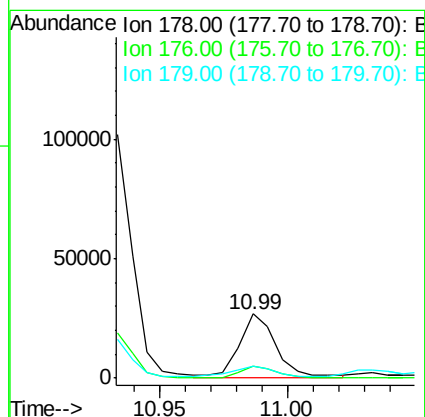
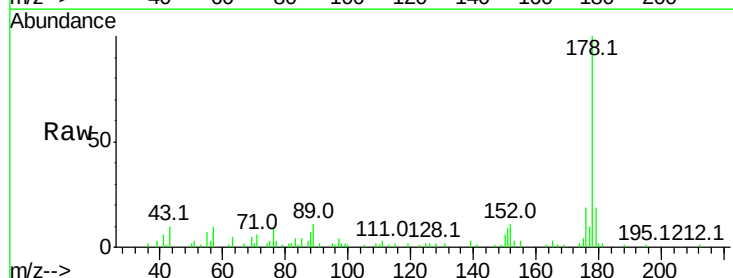
Manual Integrations
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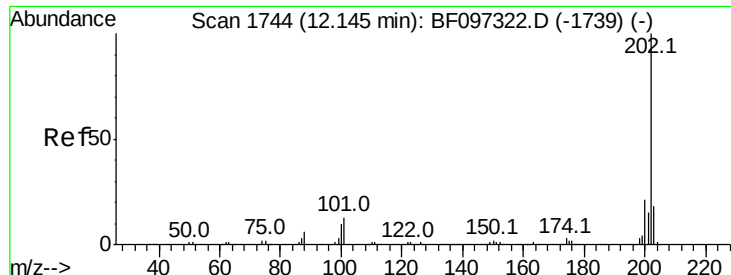
Sohil
8/9/2017 9:21:53 PM



#71
Anthracene
Concen: 2.139 ng m
RT: 10.99 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	19.4	12.7	19.1#





#74

Fluoranthene

Concen: 8.483 ng

RT: 12.12 min Scan# 1756

Delta R.T. 0.00 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

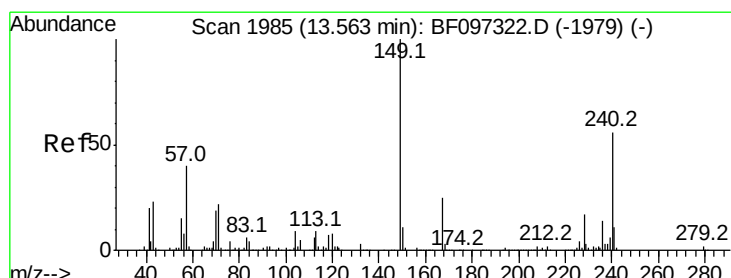
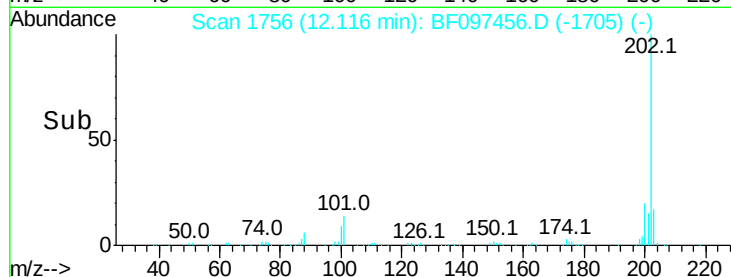
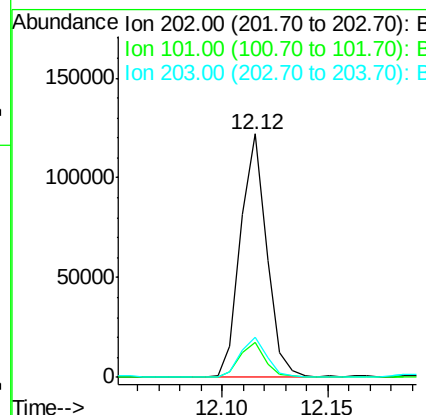
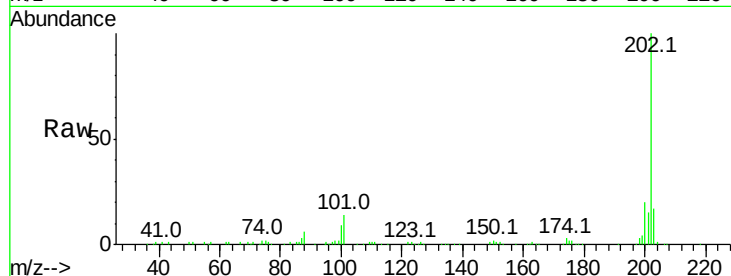
ClientSampleId :

B-5(0-10)COMPDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.2	0.0	33.2
203	16.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

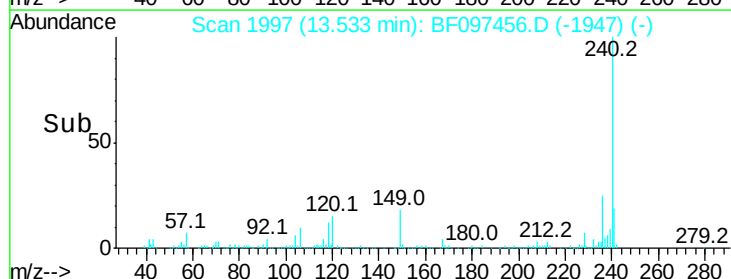
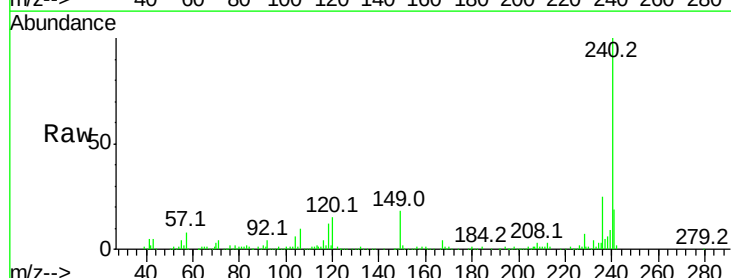
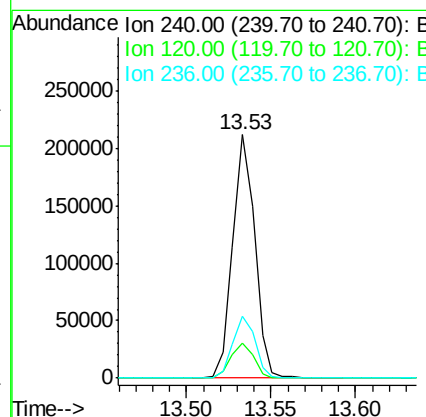
RT: 13.53 min Scan# 1997

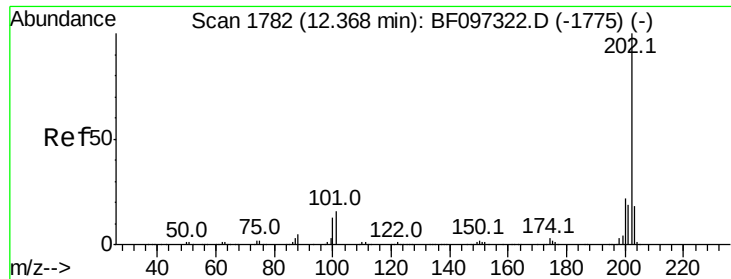
Delta R.T. -0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.6	5.8	8.8#
236	25.3	20.5	30.7





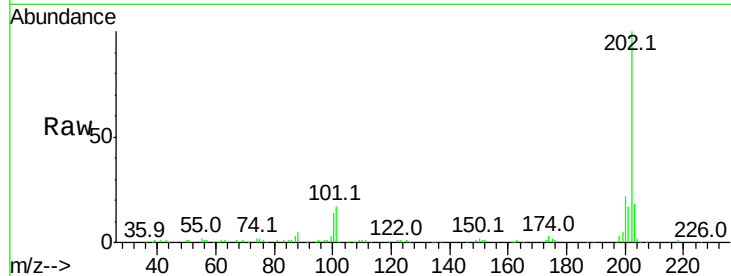
#77
Pvrene
Concen: 5.933 ng
RT: 12.34 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Instrument :
BNA_F
ClientSampleId :
B-5(0-10)COMPDL

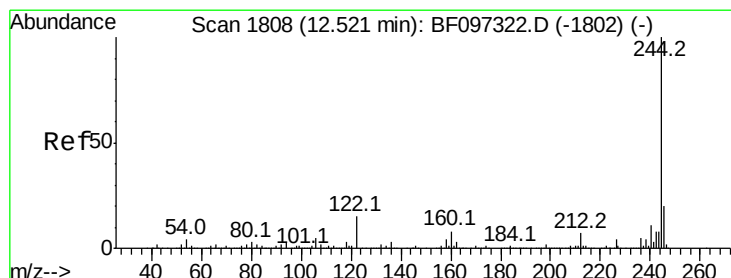
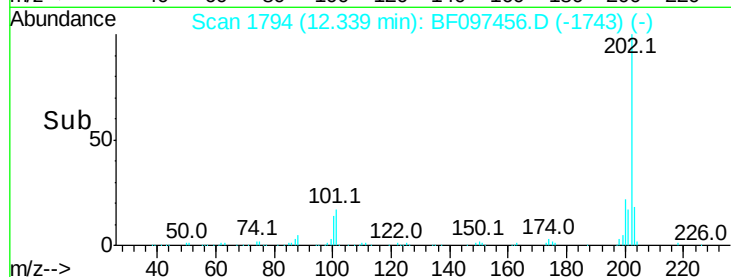
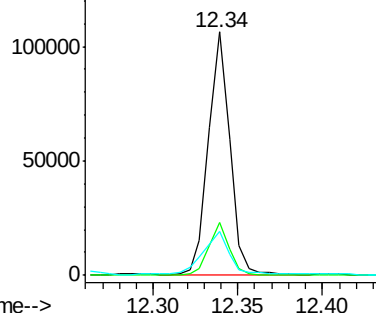
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.6	26.4
203	18.2	14.4	21.6

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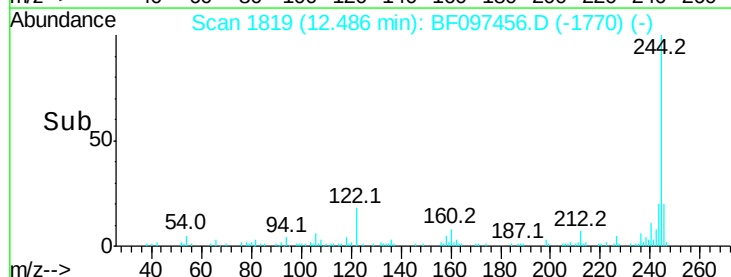
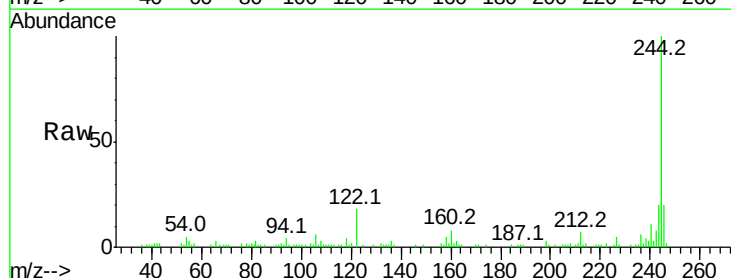
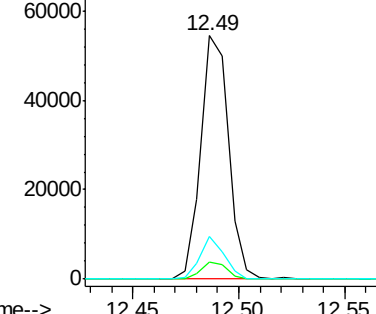
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

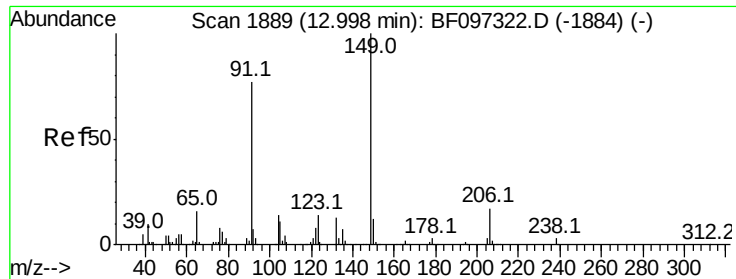


#78
Terphenyl-d14
Concen: 5.208 ng
RT: 12.49 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.0	9.0
122	17.5	10.3	15.5#

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





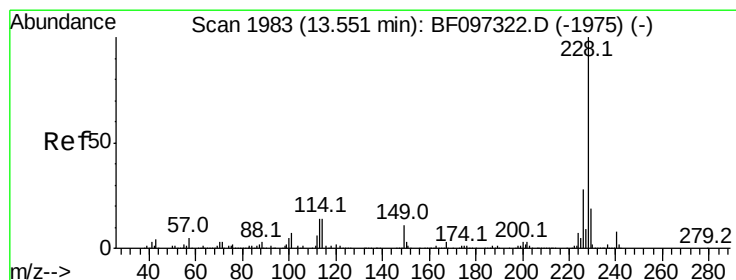
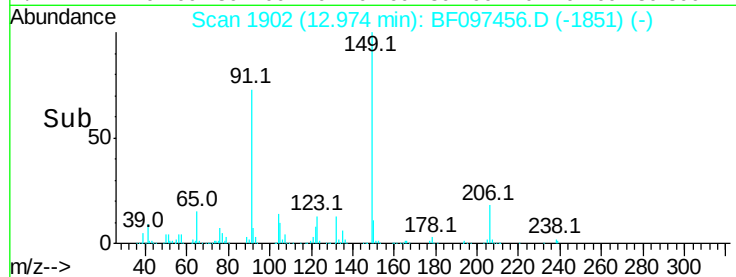
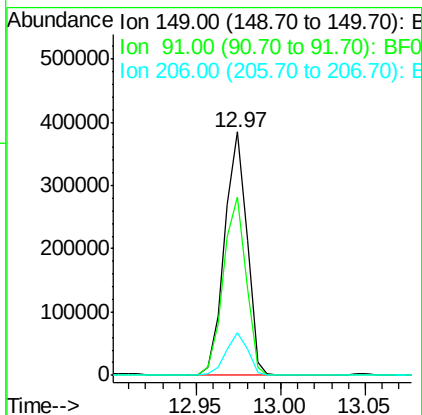
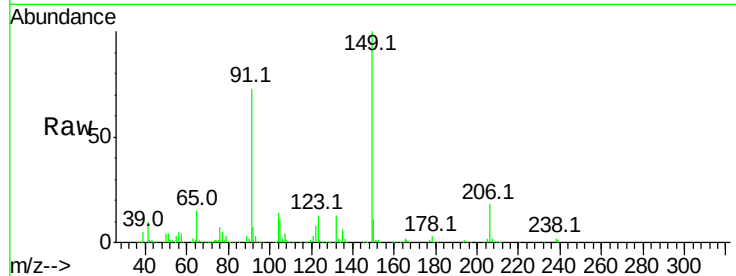
#79
Butylbenzylphthalate
Concen: 43.807 ng
RT: 12.97 min Scan# 1902
Delta R.T. 0.00 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Instrument :
BNA_F
ClientSampleId :
B-5(0-10)COMPDL

Tot Ion	Ratio	Resp	Lower	Upper
149	100	352073		
91	73.1	45.0	67.4#	
206	17.5	17.0	25.6	

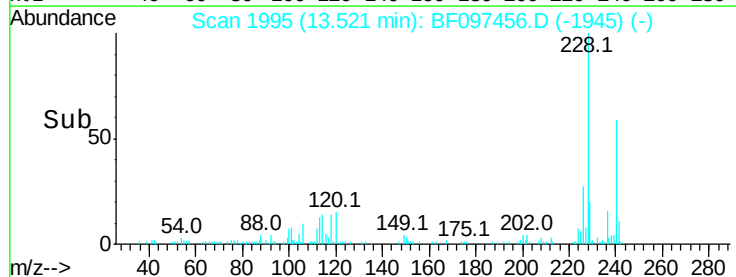
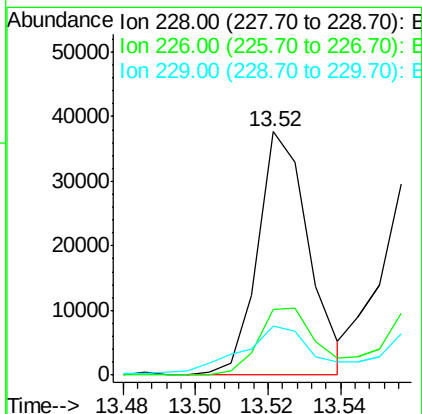
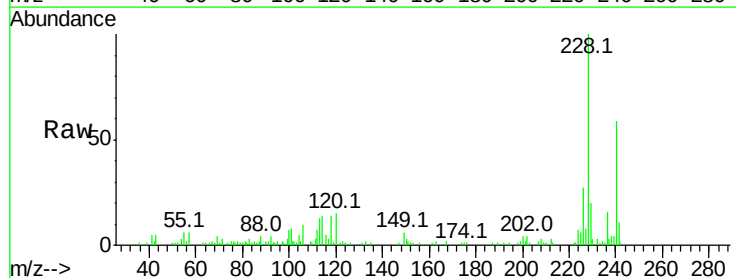
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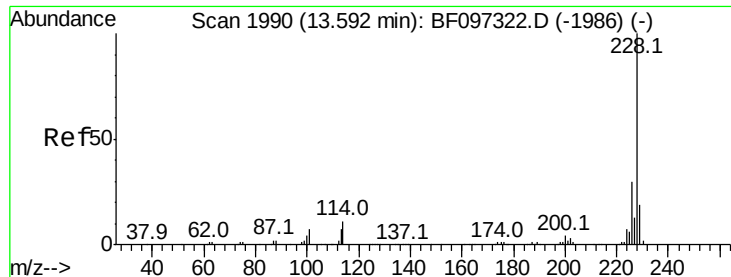
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#80
Benzo(a)anthracene
Concen: 2.949 ng
RT: 13.52 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	36827		
226	27.2	22.6	33.8	
229	20.3	16.3	24.5	





#82

Chrysene

Concen: 3.072 ng

RT: 13.56 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Instrument :

BNA_F

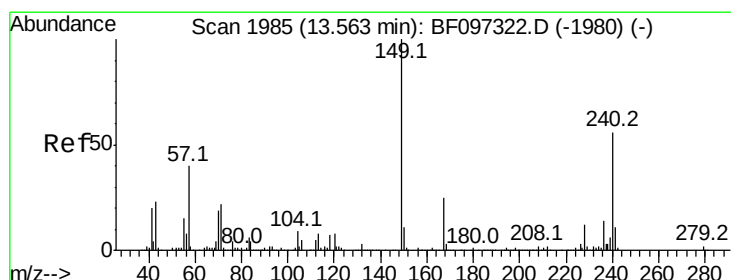
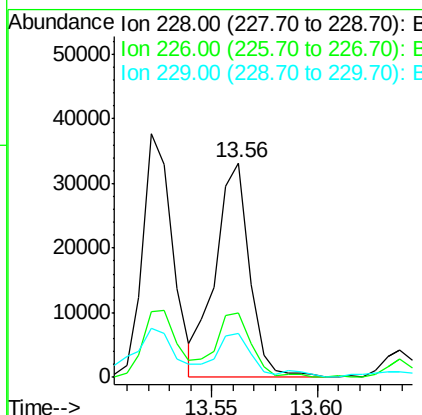
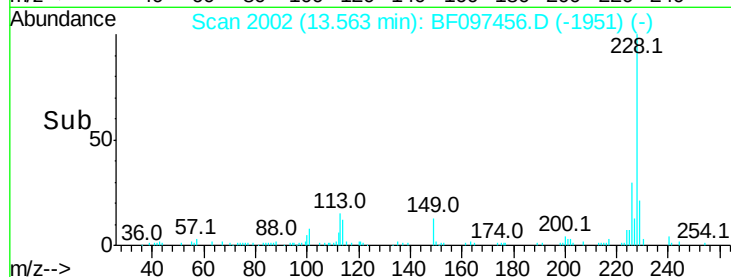
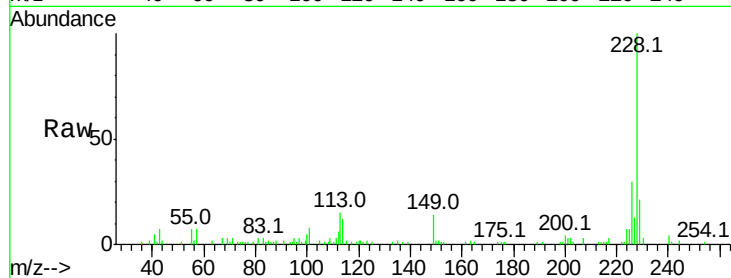
ClientSampleId :

B-5(0-10)COMPDL

Tot Ion:	228	Resp:	37454
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.9	37.3
229	20.6	15.8	23.6

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#83

Bis(2-ethylhexyl)phthalate

Concen: 10.881 ng

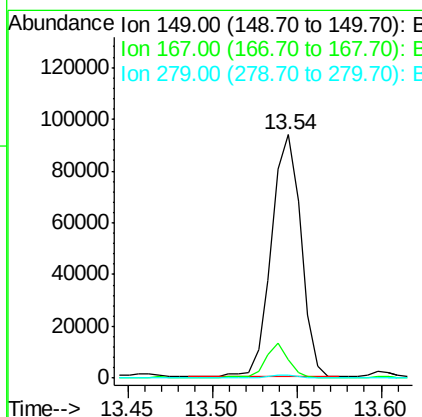
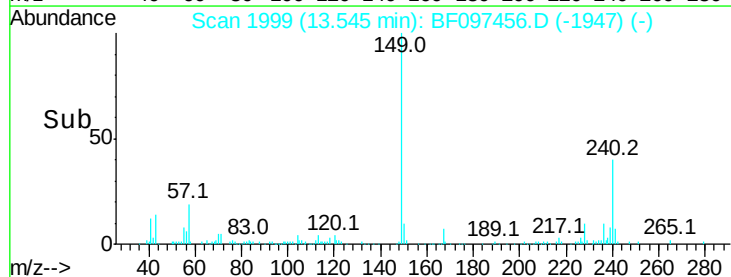
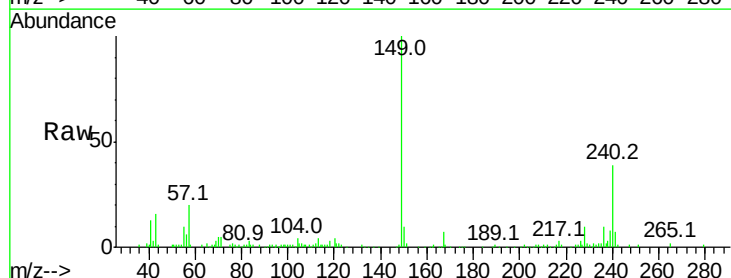
RT: 13.54 min Scan# 1999

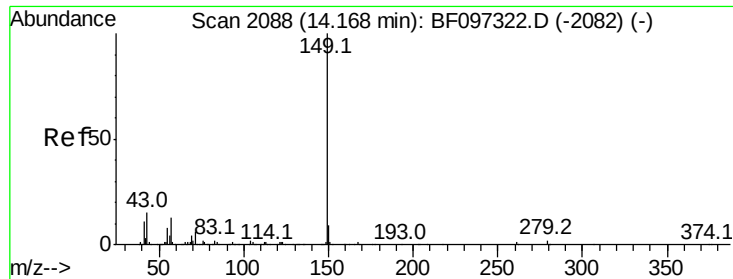
Delta R.T. 0.01 min

Lab File: BF097456.D

Acq: 8 Aug 2017 4:37

Tgt Ion:	149	Resp:	114175
Ion Ratio	Lower	Upper	
149	100		
167	7.4	21.0	31.4#
279	1.1	1.9	2.9#





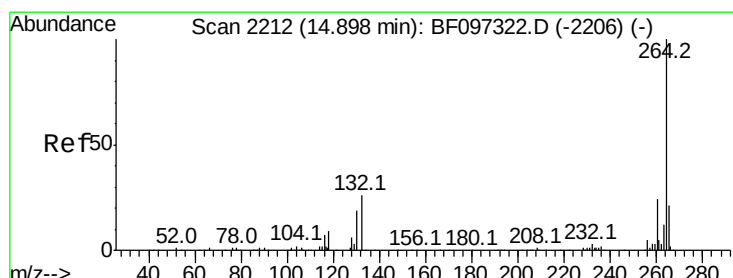
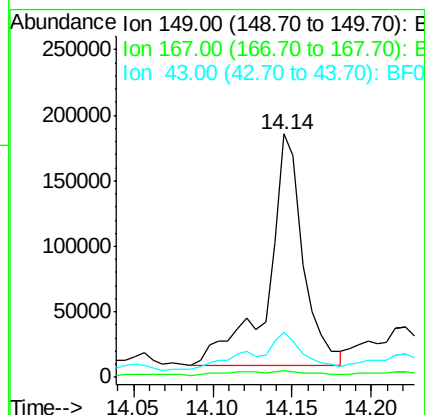
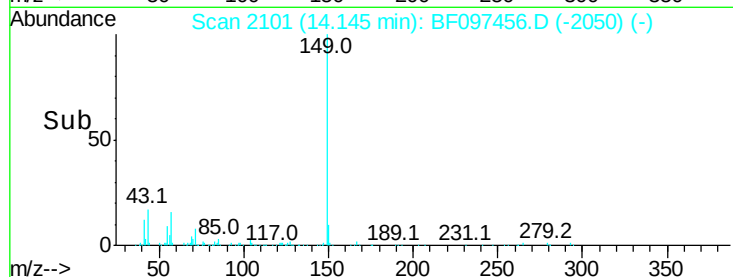
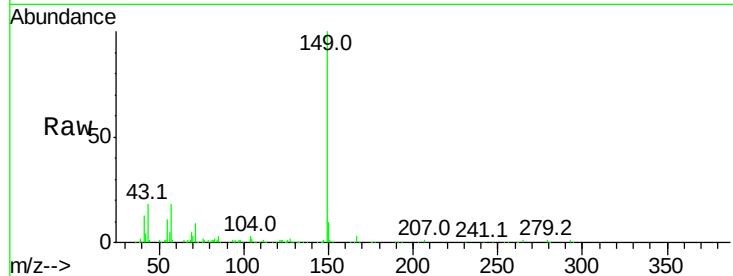
#84
Di-n-octyl phthalate
Concen: 14.282 ng
RT: 14.14 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Instrument :
BNA_F
ClientSampleId :
B-5(0-10)COMPDL

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	1.5	1.2	1.8
43	21.5	8.5	12.7#

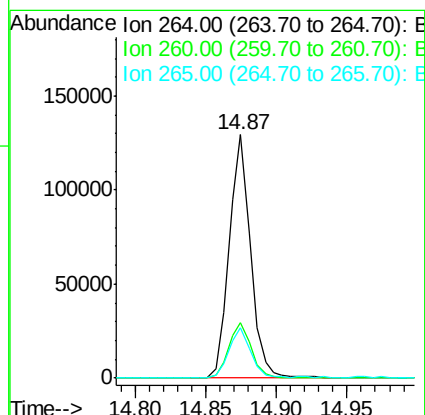
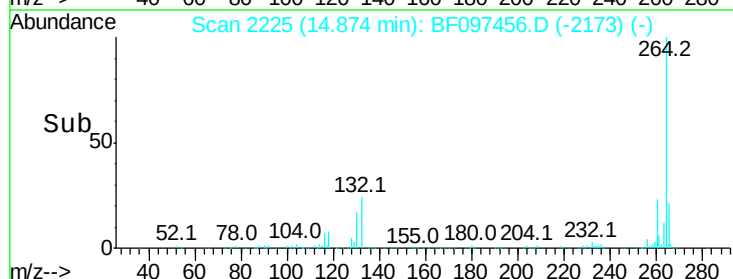
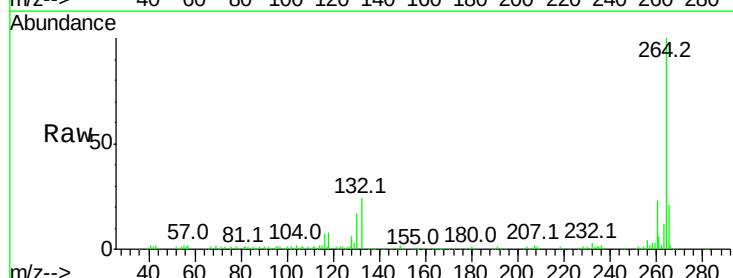
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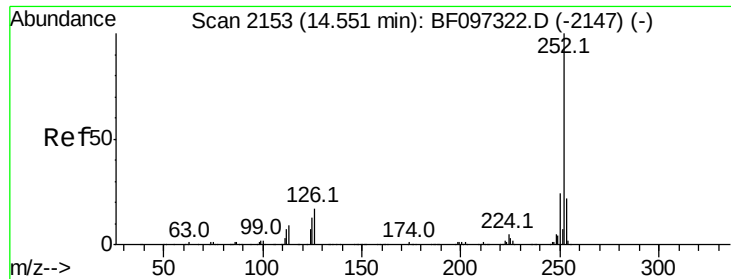
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.87 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	22.6	19.5	29.3
265	20.6	17.2	25.8





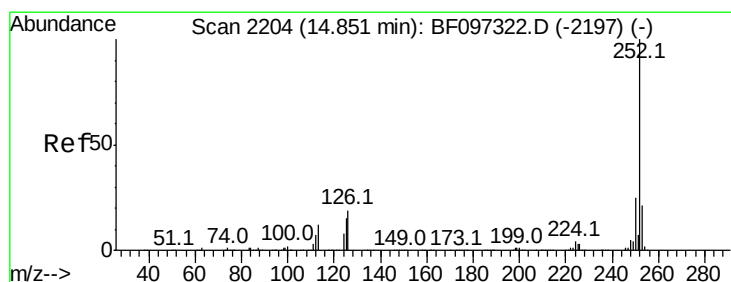
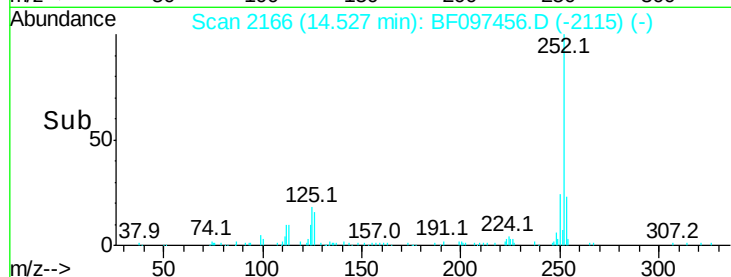
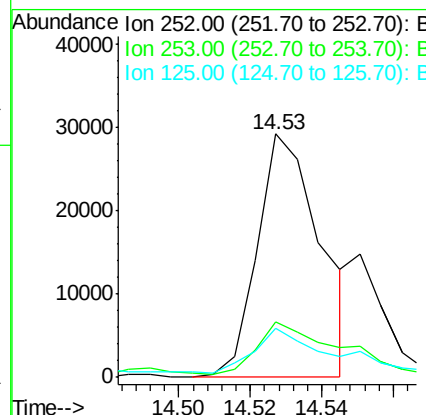
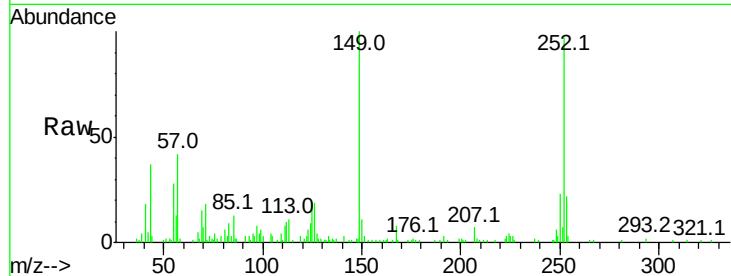
#87
Benzo(b)fluoranthene
Concen: 4.374 ng m
RT: 14.53 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Instrument :
BNA_F
ClientSampleId :
B-5(0-10)COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	20.0	9.8	14.8#

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#89
Benzo(a)pyrene
Concen: 3.178 ng
RT: 14.83 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF097456.D
Acq: 8 Aug 2017 4:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.5	26.3
125	14.2	11.0	16.4

