

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097056.D
 Acq On : 26 Jul 2017 4:43
 Operator : SJ/JU
 Sample : I4305-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-BASE

Manual Integrations
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 7/26/2017 5:54:32 PM

Quant Time: Jul 26 06:01:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	125740	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	477679	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	180575	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	272614	20.00	ng	0.00
75) Chrysene-d12	13.63	240	210657	20.00	ng	0.00
86) Perylene-d12	14.97	264	159871	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.10	112	698928	83.79	ng	0.00
7) Phenol-d6	6.16	99	851255	89.40	ng	0.00
23) Nitrobenzene-d5	7.07	82	472718	58.05	ng	0.00
41) 2,4,6-Tribromophenol	10.32	330	120767	84.65	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	722988	67.95	ng	0.00
78) Terphenyl-d14	12.59	244	461836	44.70	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.17	94	32443	2.872	ng	99
49) Dimethylphthalate	9.26	163	69415	5.062	ng	100
51) Acenaphthene	9.56	154	32935	3.209	ng	95
54) Dibenzofuran	9.73	168	41007	3.000	ng	# 95
57) Fluorene	10.07	166	39020	3.798	ng	98
70) Phenanthrene	11.03	178	365243	25.005	ng	97
71) Anthracene	11.07	178	100140	6.694	ng	98
72) Carbazole	11.24	167	37150	2.525	ng	97
74) Fluoranthene	12.20	202	352592	24.640	ng	98
77) Pyrene	12.43	202	343168	19.899	ng	97
80) Benzo(a)anthracene	13.62	228	173943	12.761	ng	99
82) Chrysene	13.65	228	141582	10.638	ng	97
85) Indeno(1,2,3-cd)pyrene	16.20	276	39397	3.452	ng	# 92
87) Benzo(b)fluoranthene	14.62	252	126161m	13.128	ng	
88) Benzo(k)fluoranthene	14.63	252	51705m	5.646	ng	
89) Benzo(a)pyrene	14.92	252	94515	10.746	ng	97
91) Benzo(a,h,i)perylene	16.56	276	36160	4.781	ng	97

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

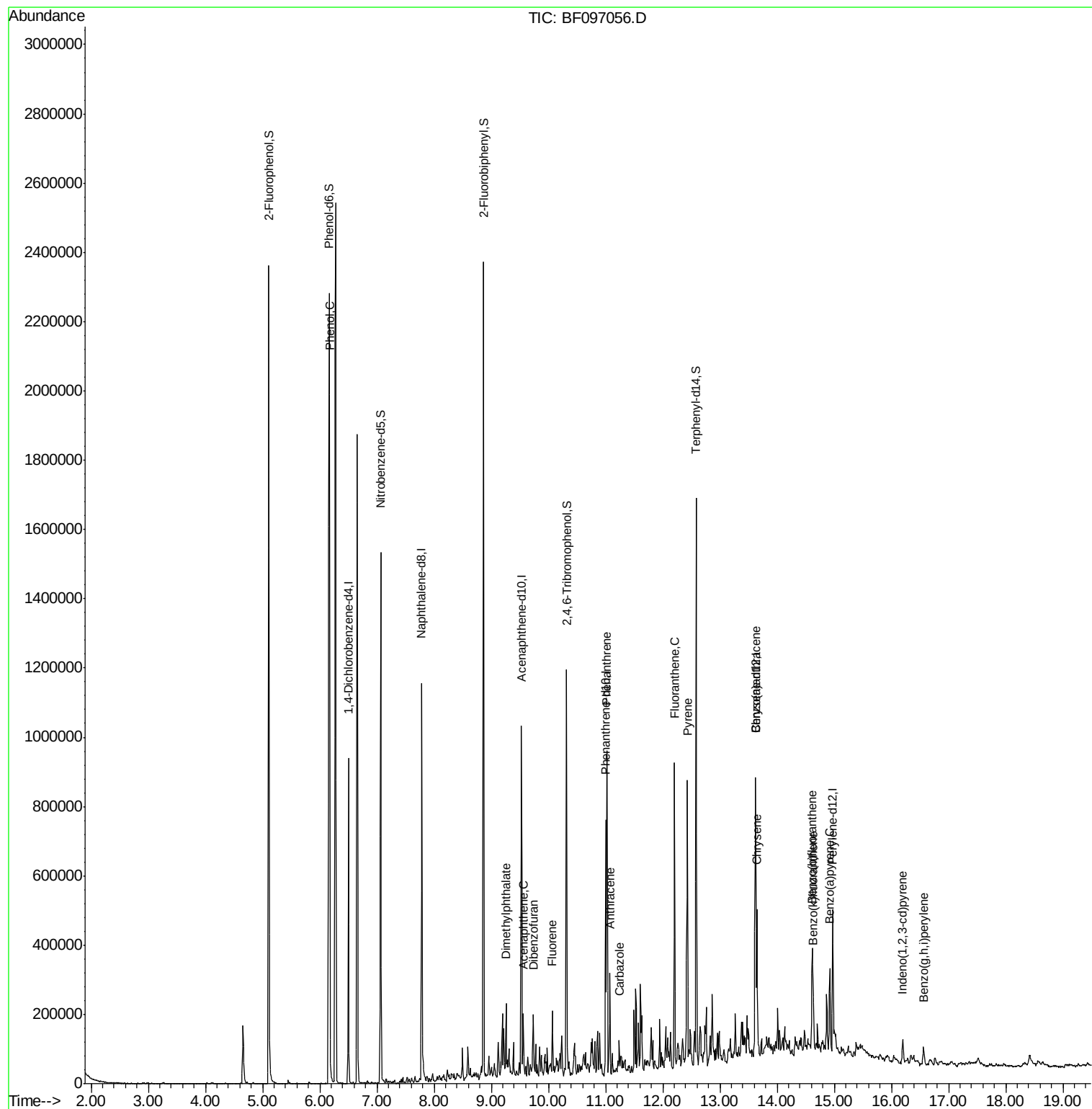
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097056.D
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ALS Vial : 30 Sample Multiplier: 1

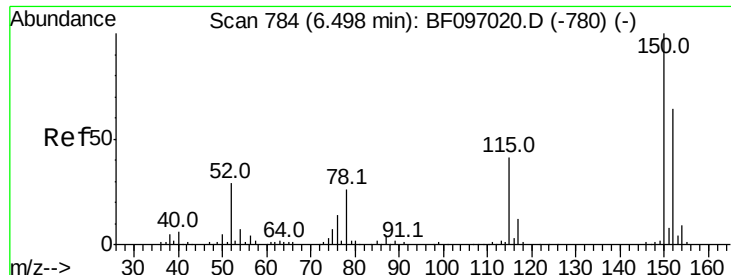
Instrument :
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#1

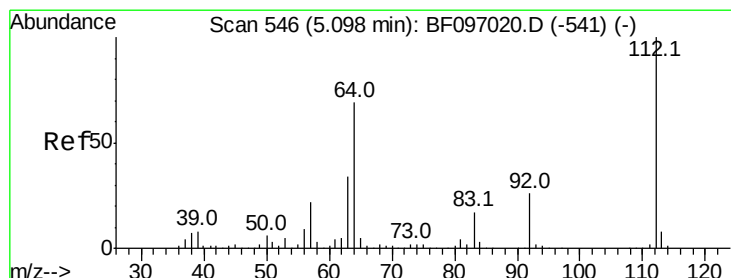
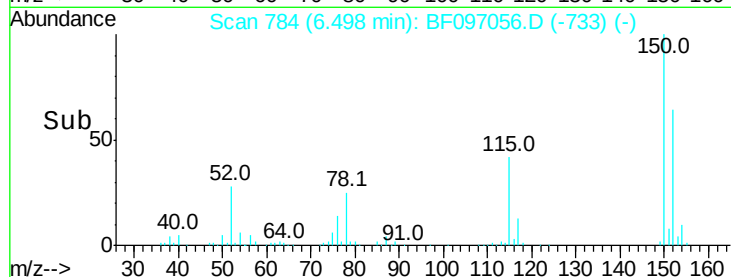
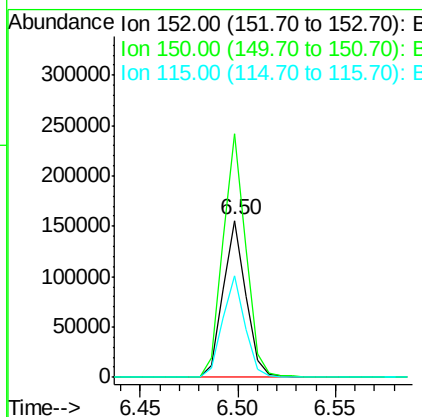
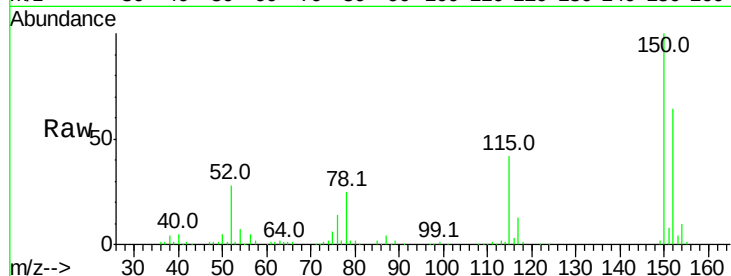
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	126.2	189.2
115	64.5	52.2	78.2

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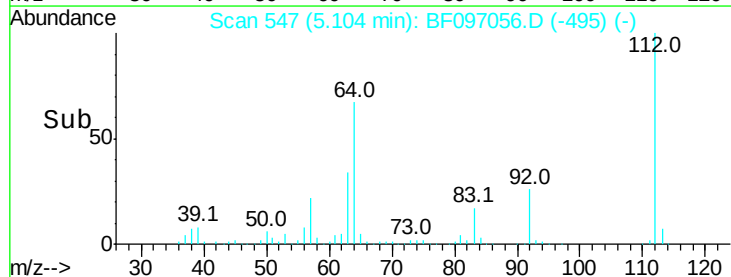
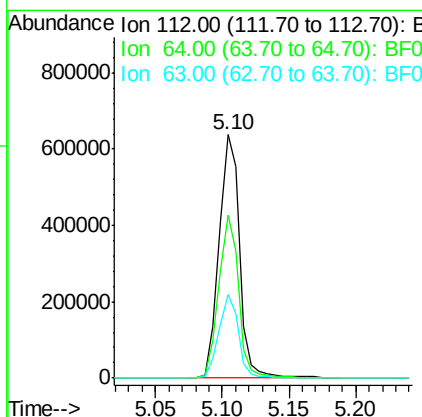
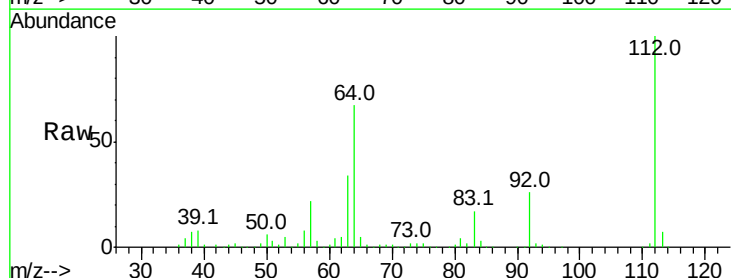
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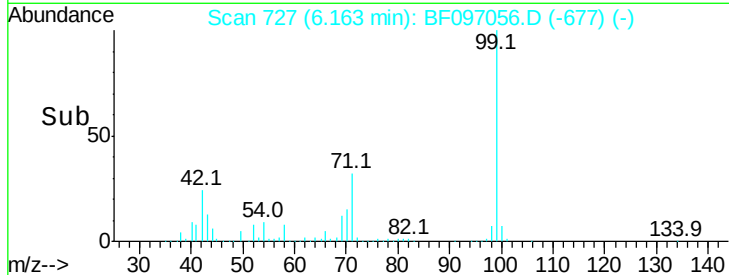
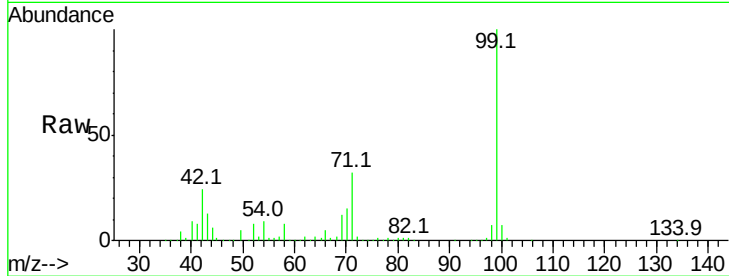
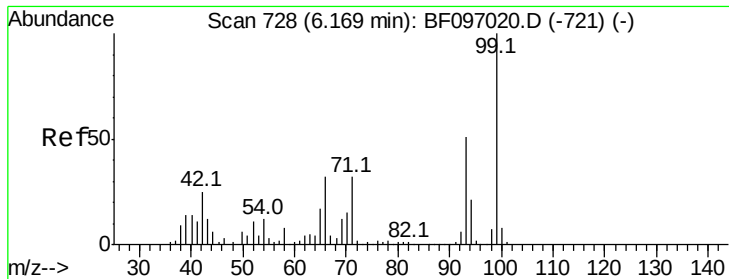


#5

2-Fluorophenol
Concen: 83.794 ng
RT: 5.10 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	46.0	69.0
63	34.3	23.4	35.0





#7

Phenol-d6

Concen: 89.396 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF097056.D

Acq: 26 Jul 2017 4:43

Tot Ion:	99	Resp:	851255
Ion Ratio	Lower	Upper	
99	100		
42	23.9	13.5	20.3#
71	32.3	24.5	36.7

Instrument :

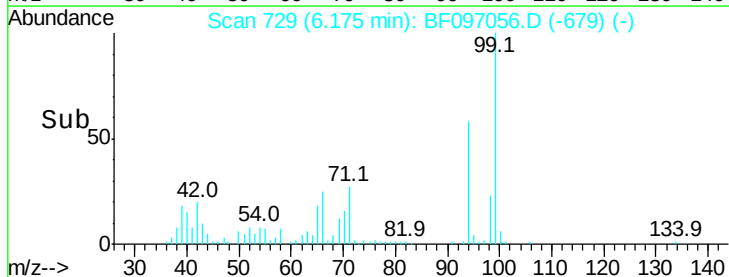
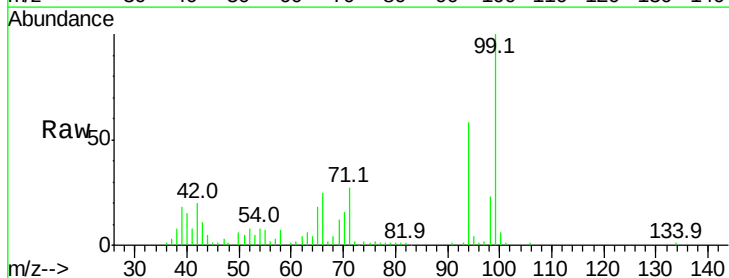
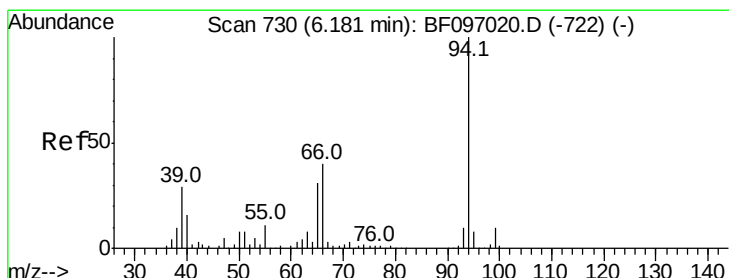
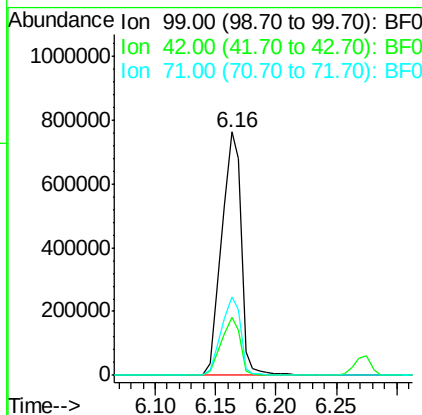
BNA_F

ClientSampled :

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#10

Phenol

Concen: 2.872 ng

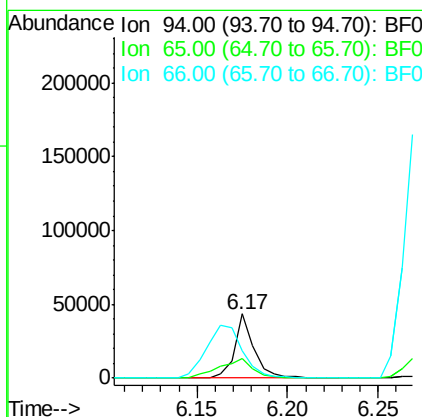
RT: 6.17 min Scan# 729

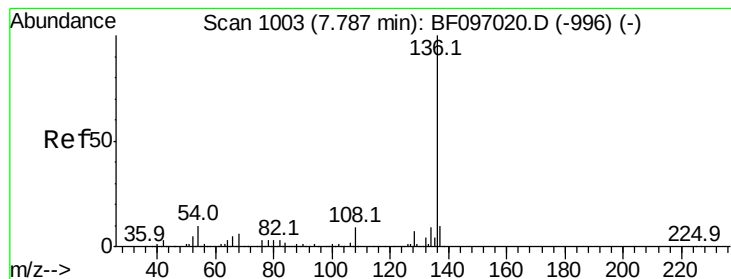
Delta R.T. -0.01 min

Lab File: BF097056.D

Acq: 26 Jul 2017 4:43

Tgt Ion:	94	Resp:	32443
Ion Ratio	Lower	Upper	
94	100		
65	31.4	9.9	49.9
66	43.4	23.1	63.1





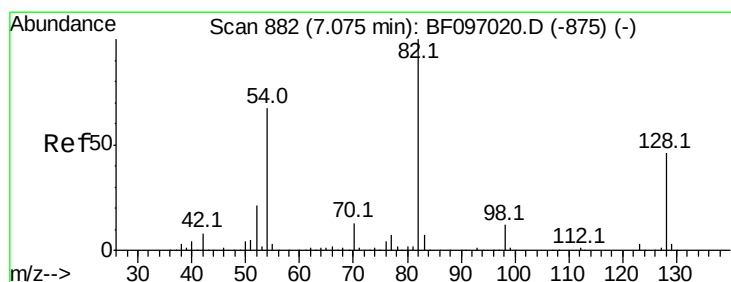
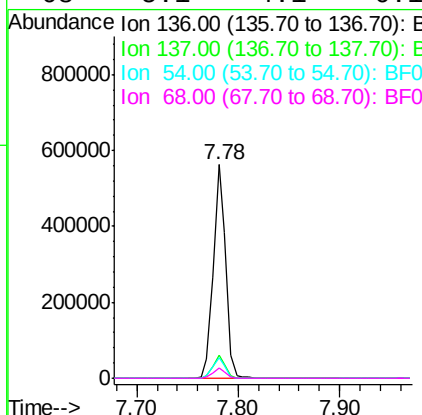
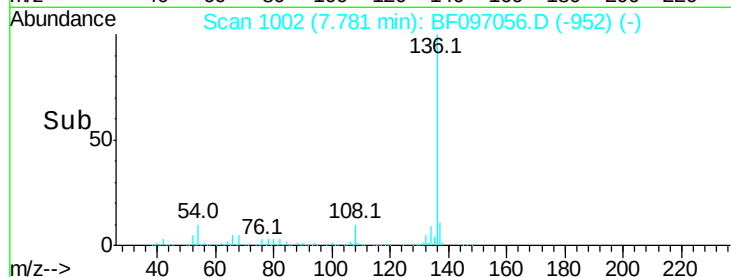
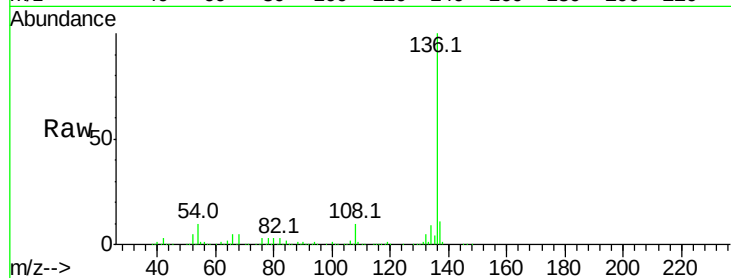
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.78 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	9.9	4.9	7.3	
68	5.1	4.1	6.1	

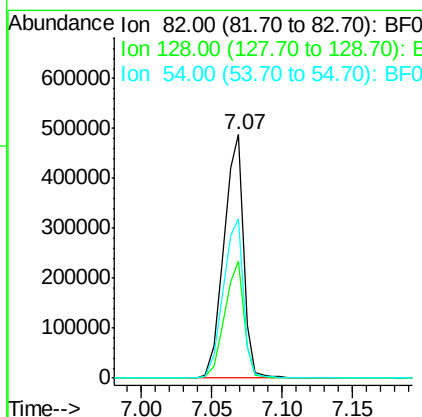
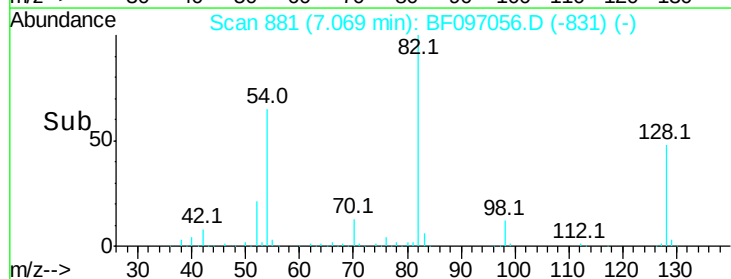
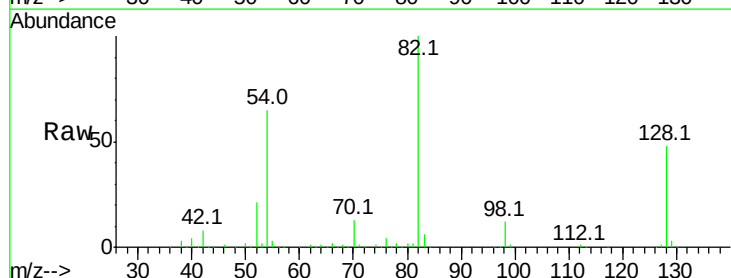
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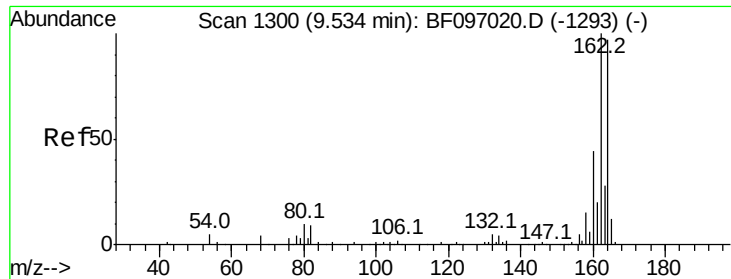
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#23
Nitrobenzene-d5
Concen: 58.055 ng
RT: 7.07 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.1	34.0	51.0	
54	65.4	42.2	63.2	





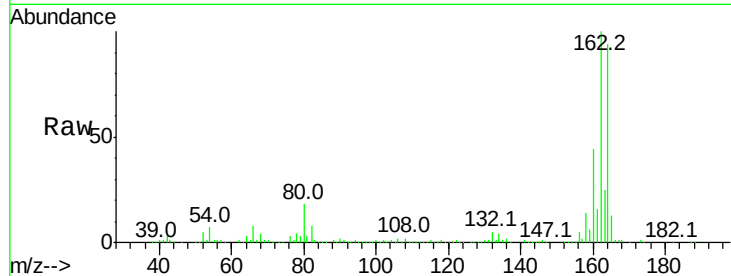
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF097056.D
 Acq: 26 Jul 2017 4:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-BASE

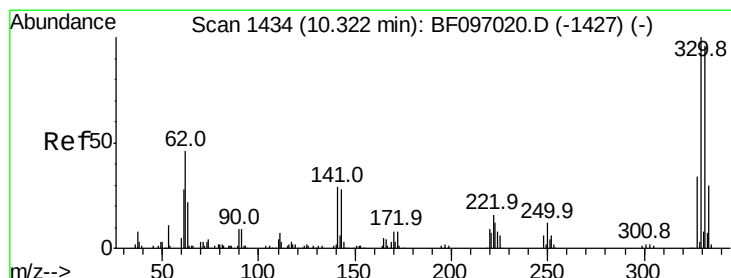
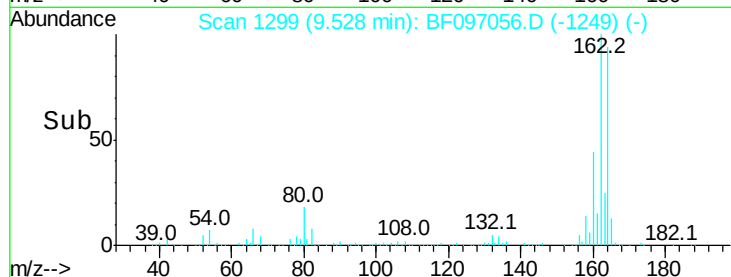
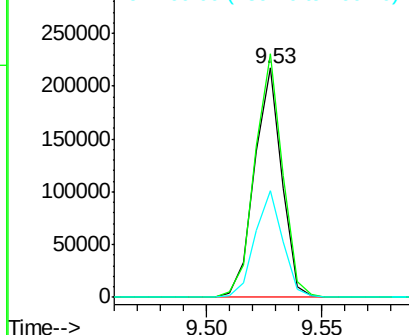
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	106.2	82.6	123.8	
160	46.4	36.2	54.2	

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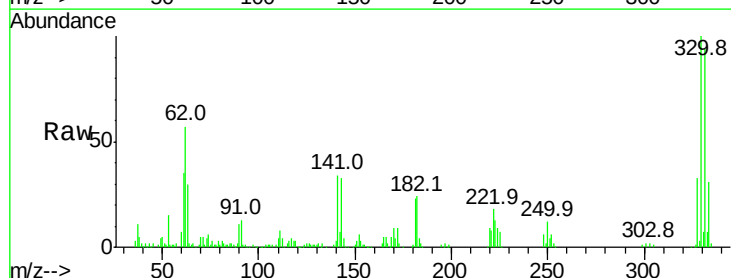


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

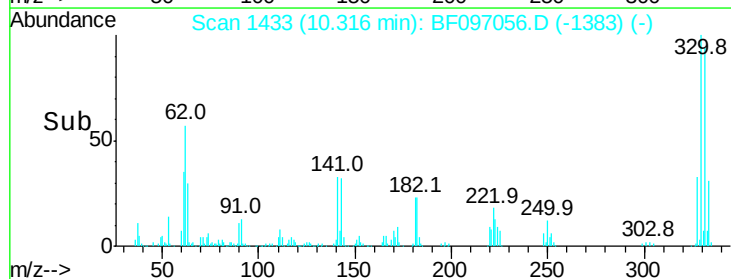
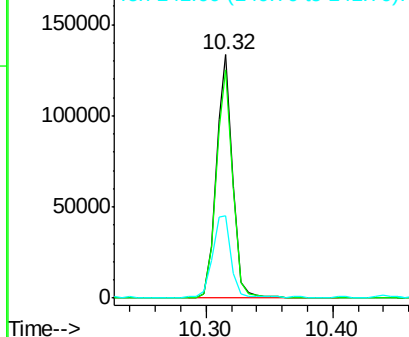


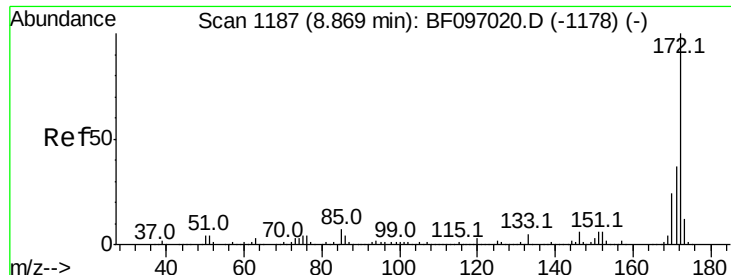
#41
 2,4,6-Tribromophenol
 Concen: 84.647 ng
 RT: 10.32 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF097056.D
 Acq: 26 Jul 2017 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.9	76.6	115.0	
141	40.4	31.4	47.2	



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





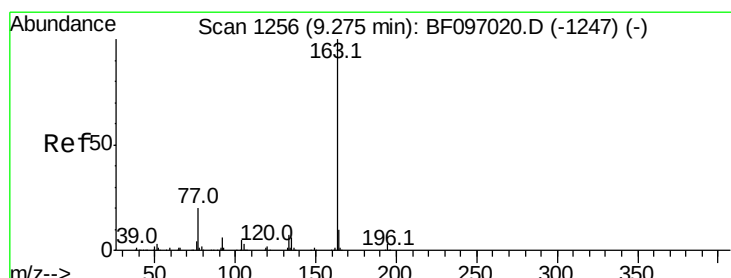
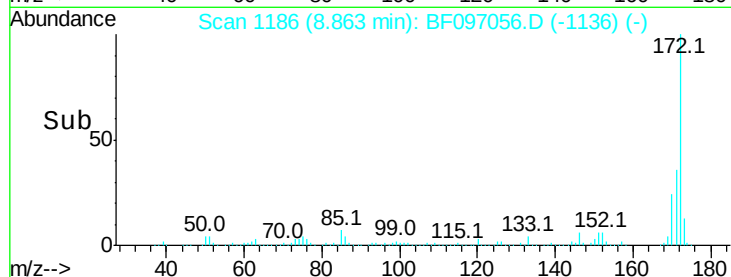
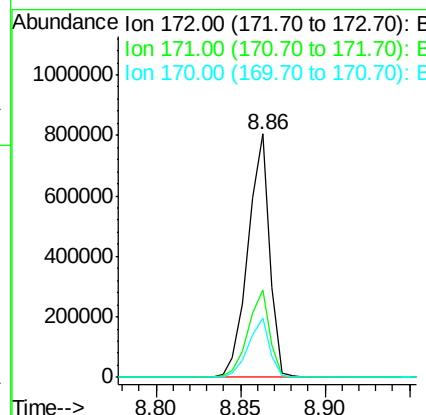
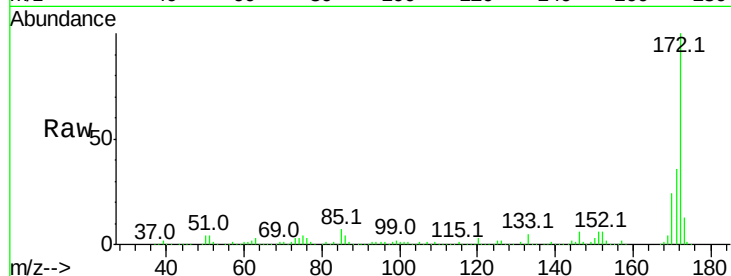
#44
2-Fluorobiphenyl
Concen: 67.949 ng
RT: 8.86 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.1	19.8	29.8

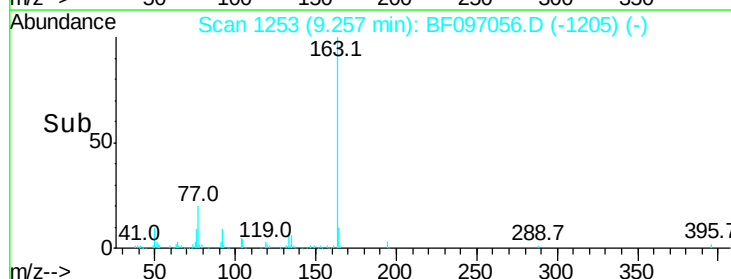
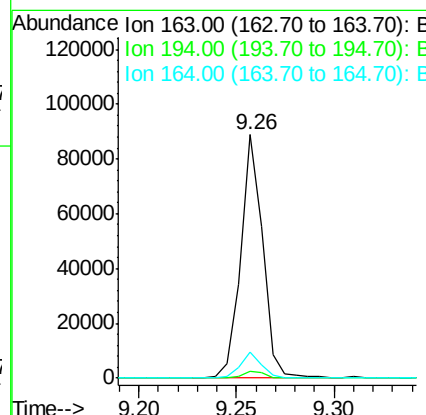
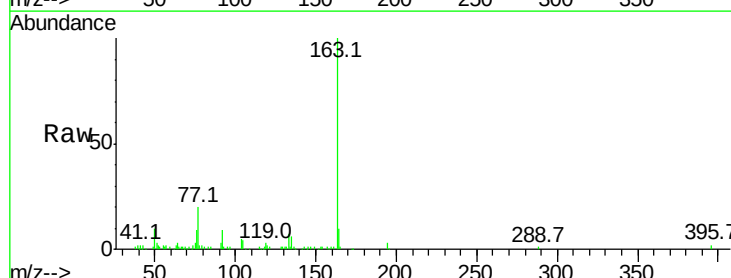
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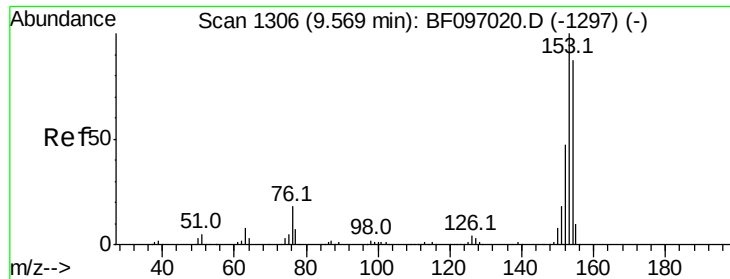
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#49
Dimethylphthalate
Concen: 5.062 ng
RT: 9.26 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.4	8.4	12.6





#51

Acenaphthene

Concen: 3.209 ng

RT: 9.56 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF097056.D

Acq: 26 Jul 2017 4:43

Instrument :

BNA_F

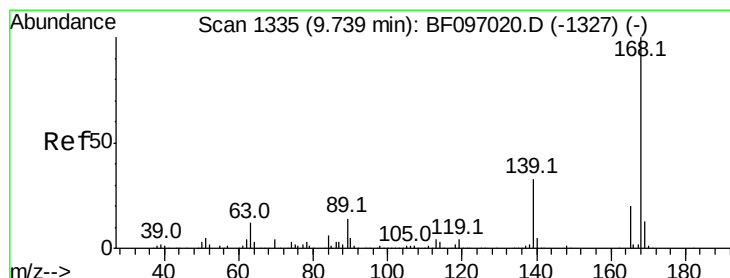
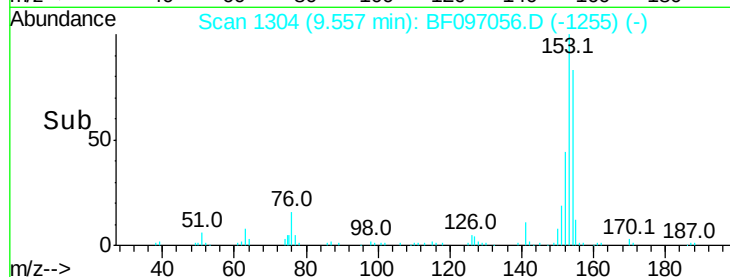
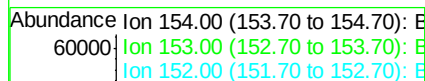
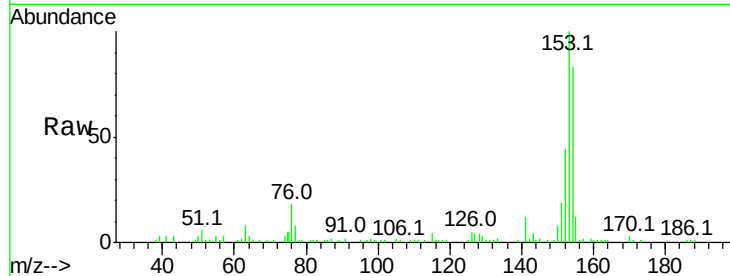
ClientSampleId :

E2-M5-BASE

Tot Ion:	154	Resp:	32935
Ion Ratio	Lower	Upper	
154	100		
153	119.8	90.5	135.7
152	52.2	43.6	65.4

Manual Integrations
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#54

Dibenzofuran

Concen: 3.000 ng

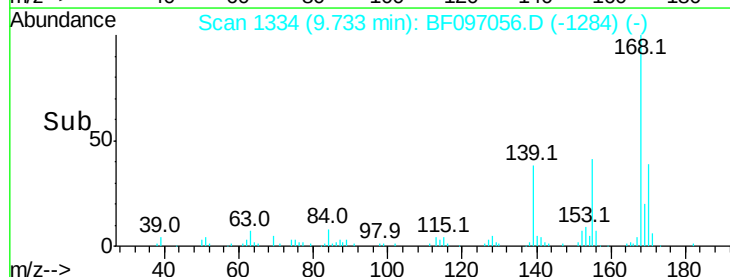
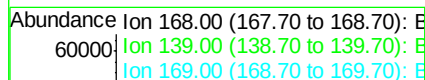
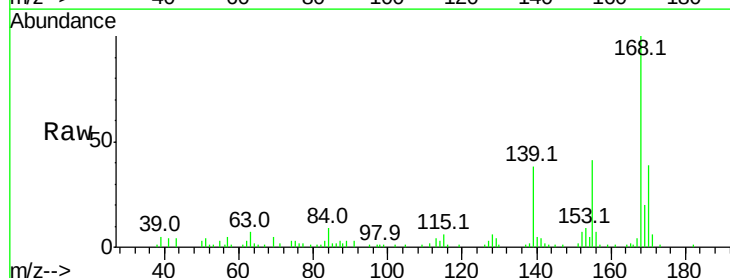
RT: 9.73 min Scan# 1334

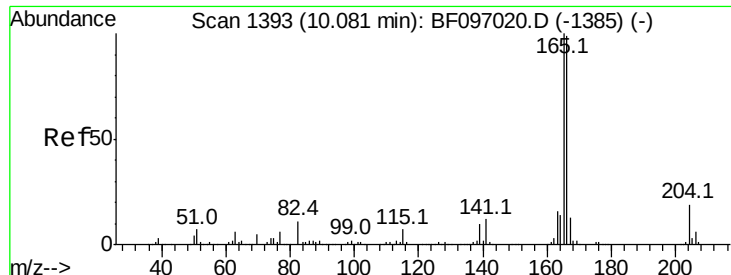
Delta R.T. -0.01 min

Lab File: BF097056.D

Acq: 26 Jul 2017 4:43

Tgt Ion:	168	Resp:	41007
Ion Ratio	Lower	Upper	
168	100		
139	37.7	30.6	45.8
169	20.2	10.8	16.2#





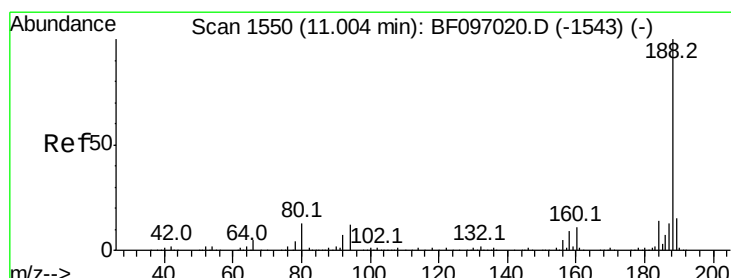
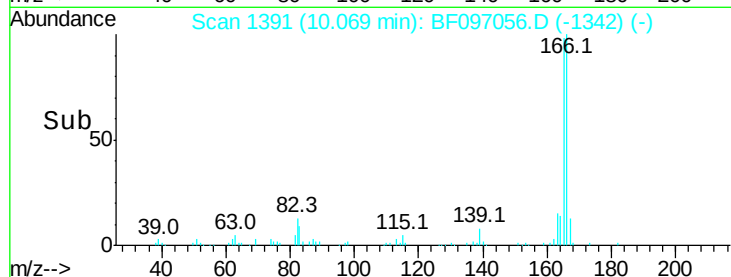
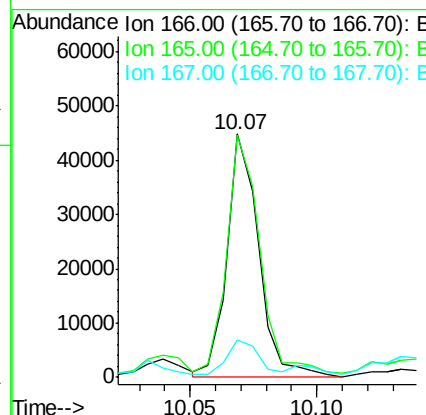
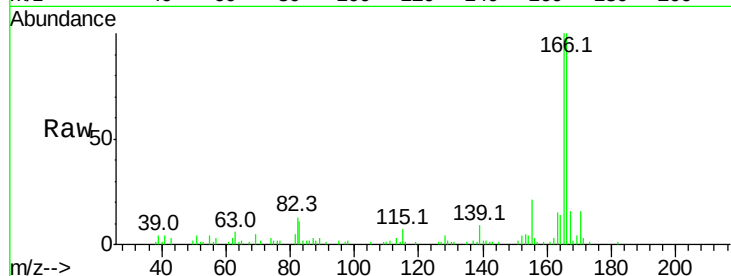
#57
Fluorene
 Concen: 3.798 ng
 RT: 10.07 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF097056.D
 Acq: 26 Jul 2017 4:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-BASE

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	99.6	78.8	118.2	
167	15.5	10.6	16.0	

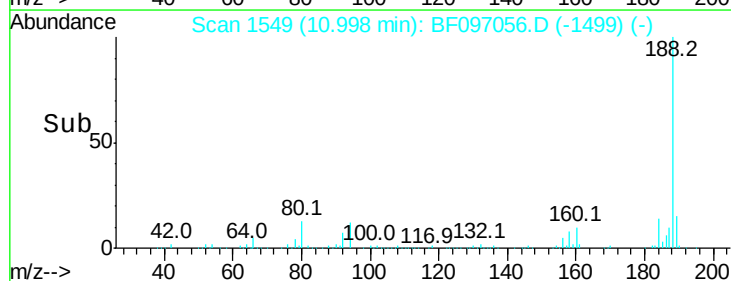
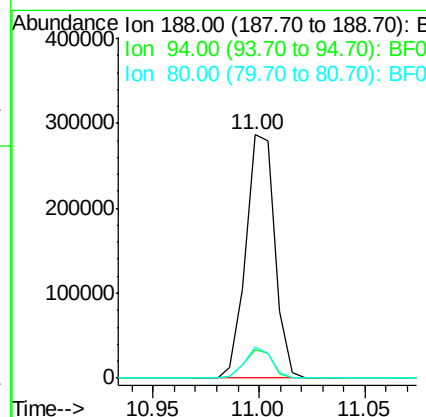
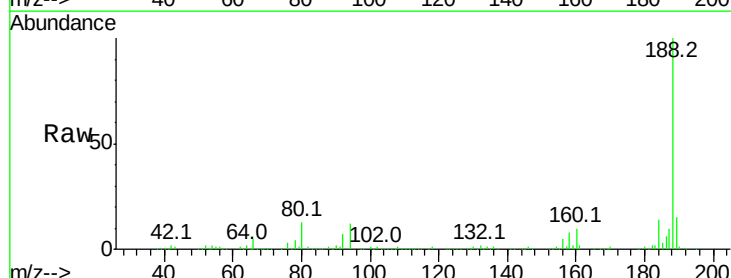
Manual Integrations
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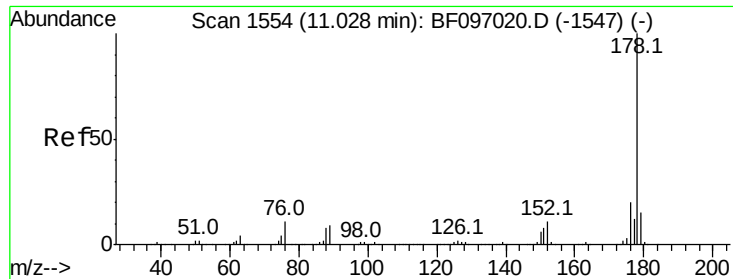
Sohil
 7/26/2017 5:54:32 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.00 min Scan# 1549
 Delta R.T. -0.01 min
 Lab File: BF097056.D
 Acq: 26 Jul 2017 4:43

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	11.8	9.4	14.2	
80	13.0	10.2	15.2	





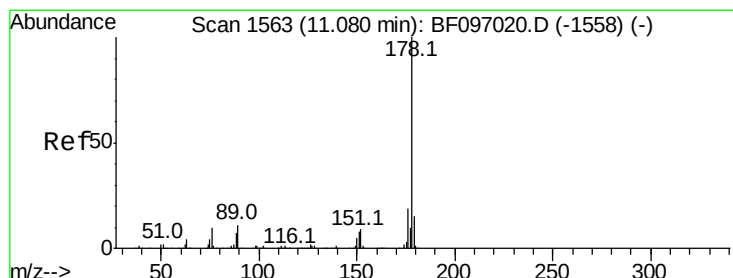
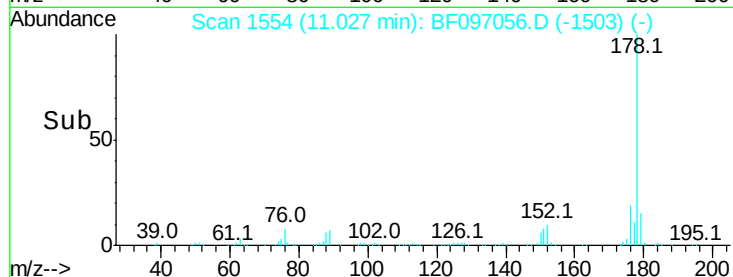
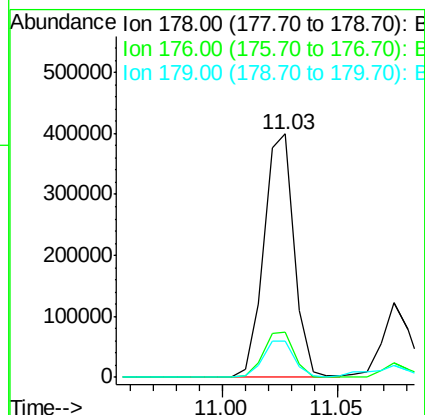
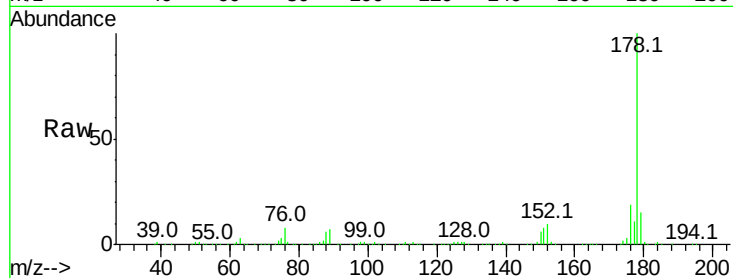
#70
Phenanthrene
Concen: 25.005 ng
RT: 11.03 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Instrument :
BNA_F
ClientSampled :
E2-M5-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.1	12.6	19.0

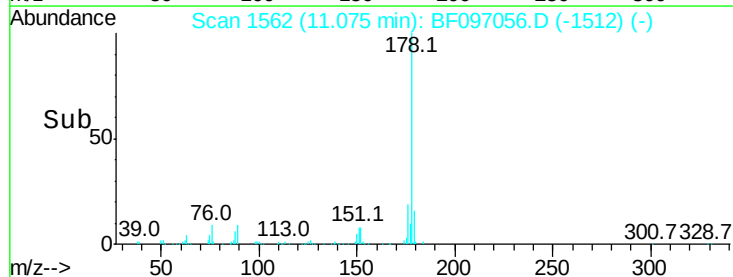
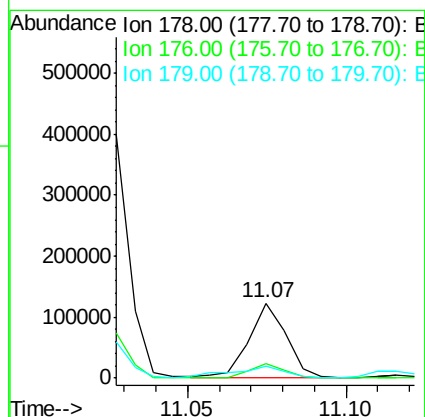
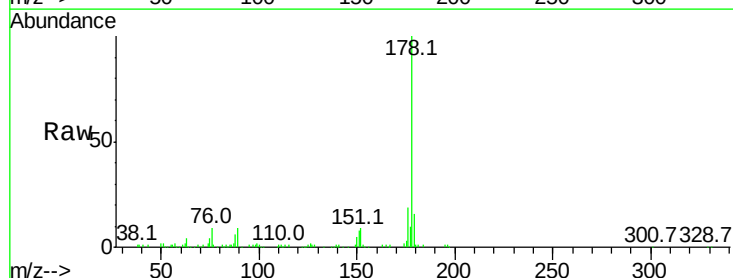
Manual Integrations
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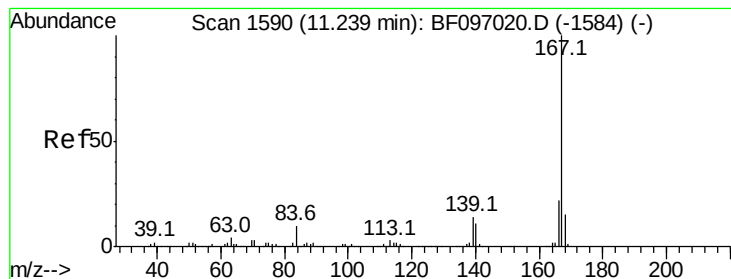
Sohil
7/26/2017 5:54:32 PM



#71
Anthracene
Concen: 6.694 ng
RT: 11.07 min Scan# 1562
Delta R.T. -0.01 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.8	12.7	19.1





#72

Carbazole

Concen: 2.525 ng

RT: 11.24 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF097056.D

Acq: 26 Jul 2017 4:43

Instrument :

BNA_F

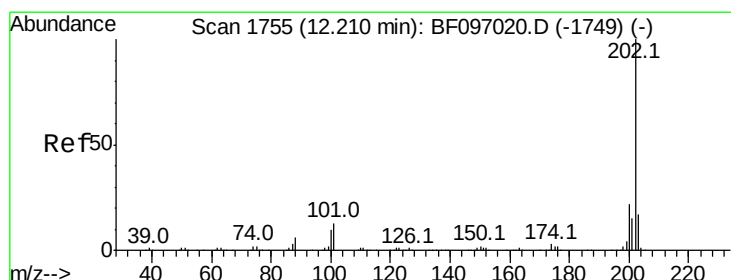
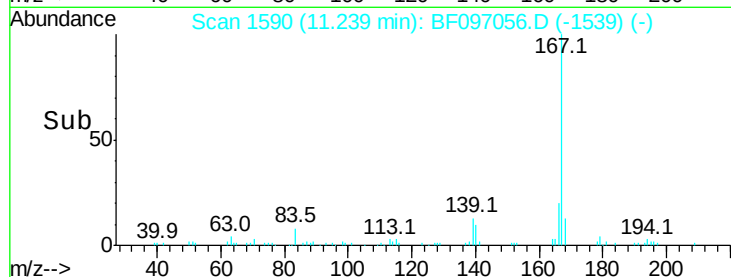
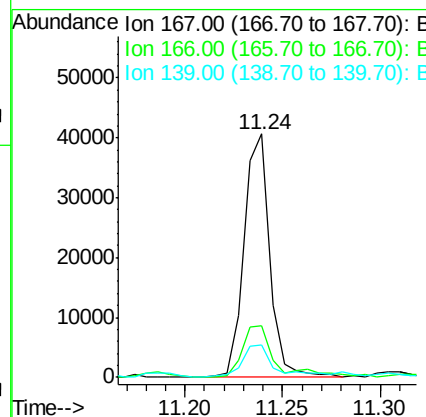
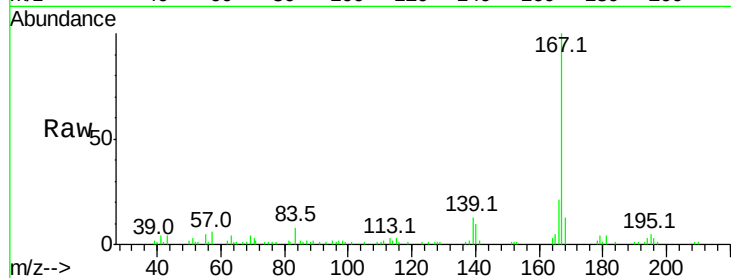
ClientSampled :

E2-M5-BASE

Tot Ion:	167	Resp:	37150
Ion Ratio	Lower	Upper	
167	100		
166	21.4	18.1	27.1
139	13.4	11.7	17.5

Manual Integrations
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#74

Fluoranthene

Concen: 24.640 ng

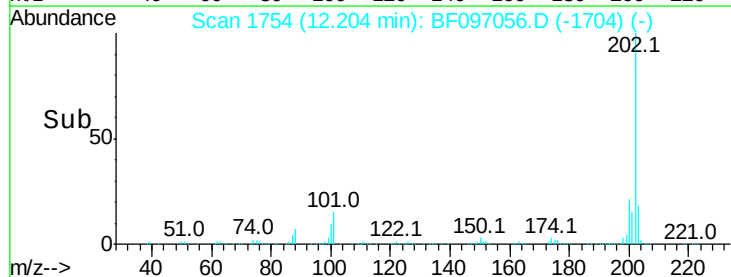
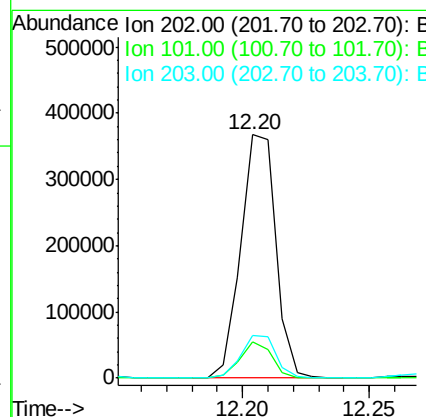
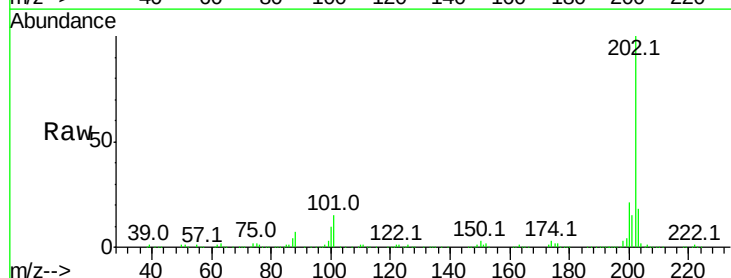
RT: 12.20 min Scan# 1754

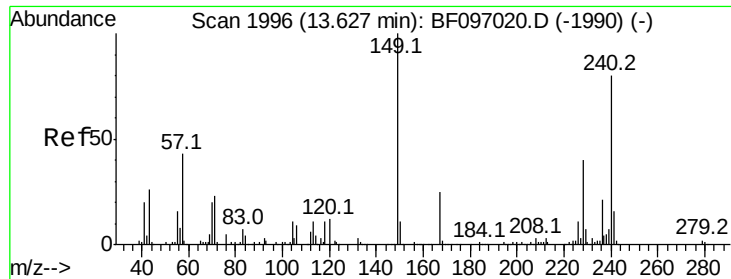
Delta R.T. -0.01 min

Lab File: BF097056.D

Acq: 26 Jul 2017 4:43

Tgt Ion:	202	Resp:	352592
Ion Ratio	Lower	Upper	
202	100		
101	14.7	0.0	33.2
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.63 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF097056.D

Acq: 26 Jul 2017 4:43

Instrument :

BNA_F

ClientSampleId :

E2-M5-BASE

Tot Ion:240 Resp: 210657
Ion Ratio Lower Upper

240 100

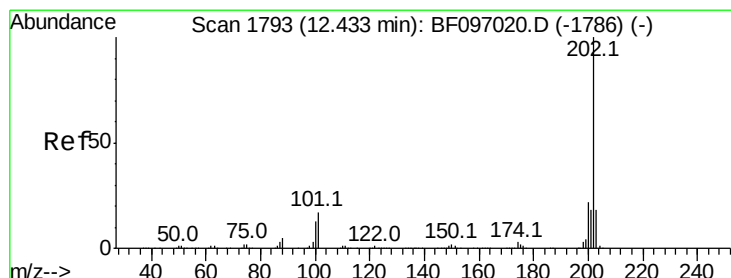
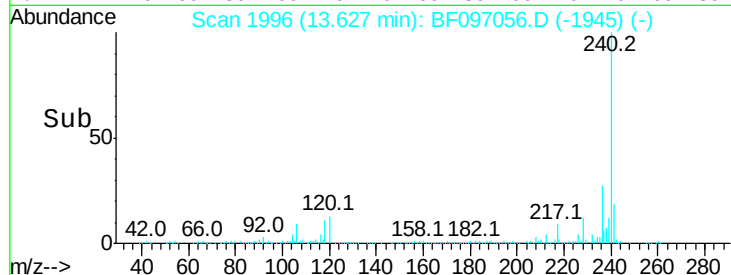
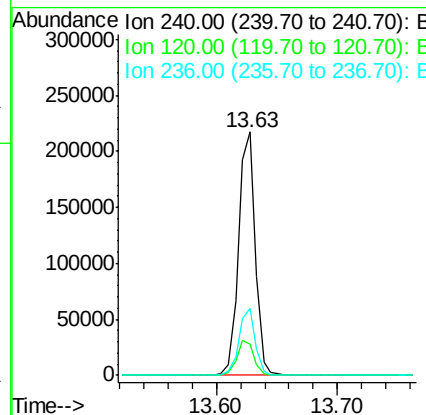
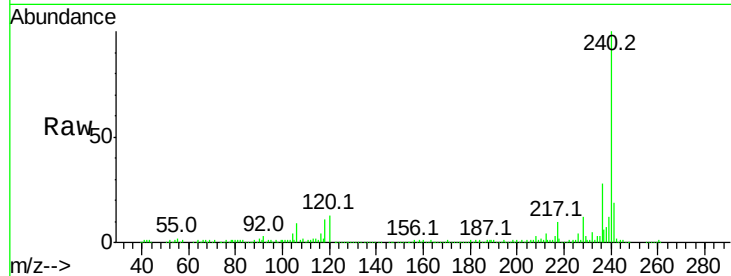
120 12.8 5.8 8.8#

236 27.6 20.5 30.7

Manual Integrations
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#77

Pyrene

Concen: 19.899 ng

RT: 12.43 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BF097056.D

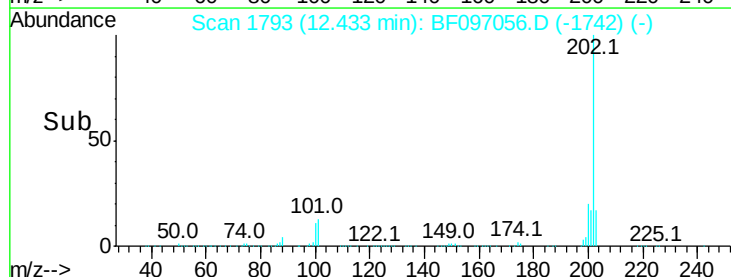
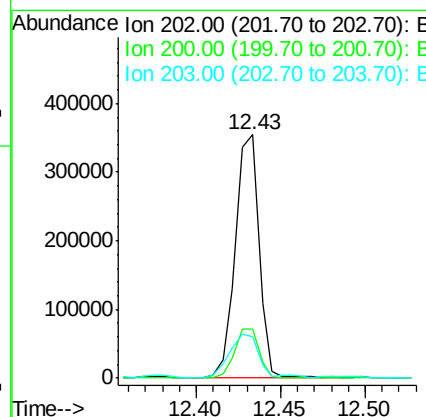
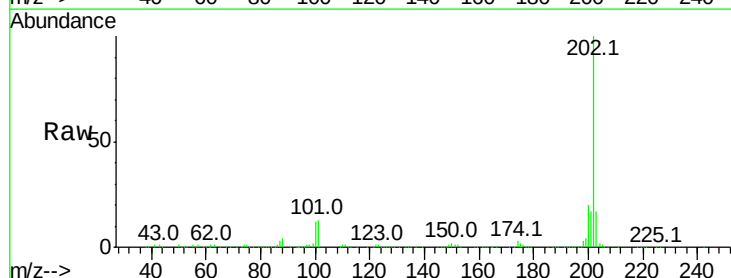
Acq: 26 Jul 2017 4:43

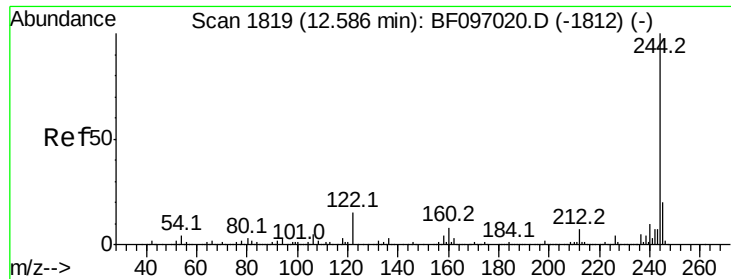
Tgt Ion:202 Resp: 343168
Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

203 17.0 14.4 21.6





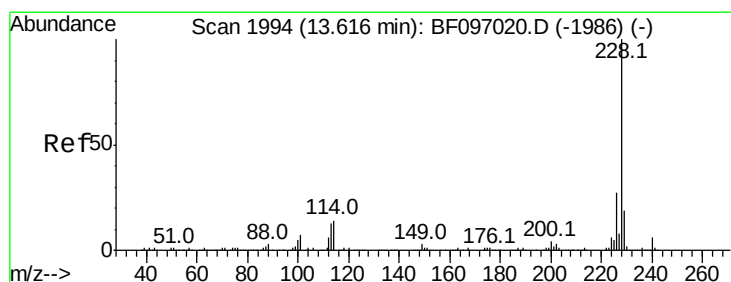
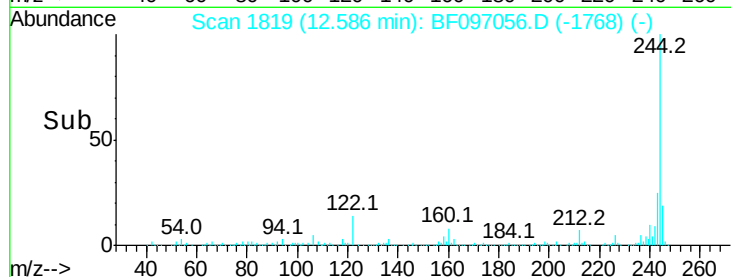
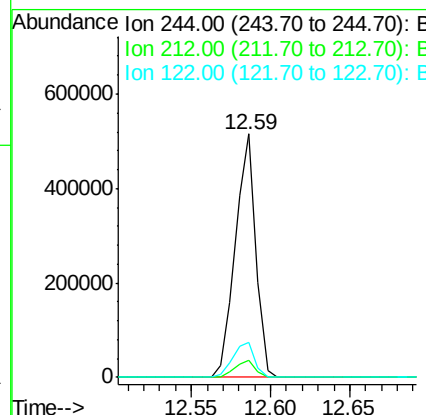
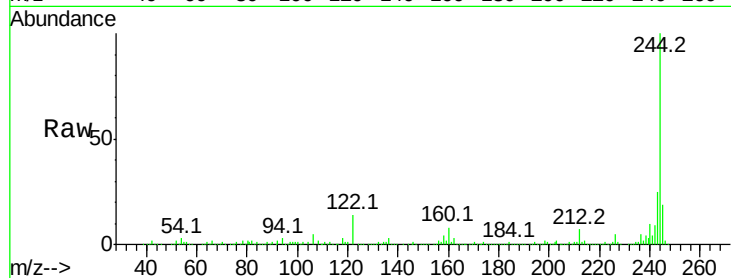
#78
 Terphenyl-d14
 Concen: 44.699 ng
 RT: 12.59 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: BF097056.D
 Acq: 26 Jul 2017 4:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	14.2	10.3	15.5

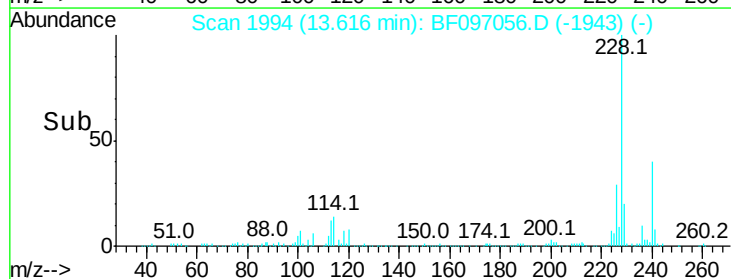
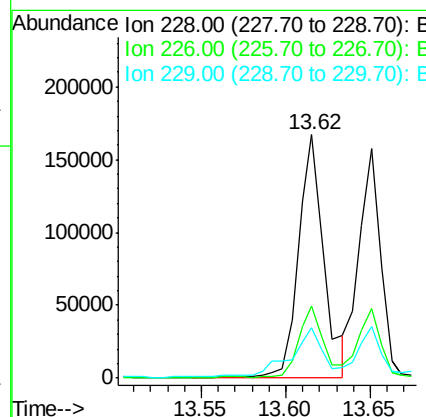
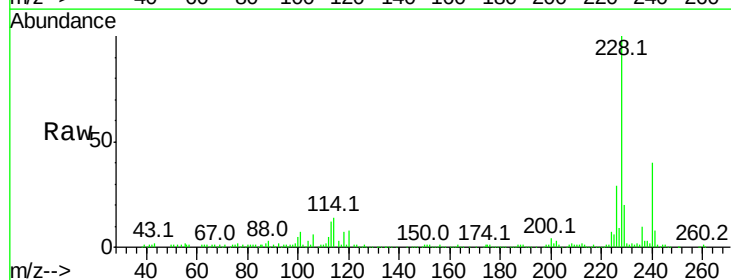
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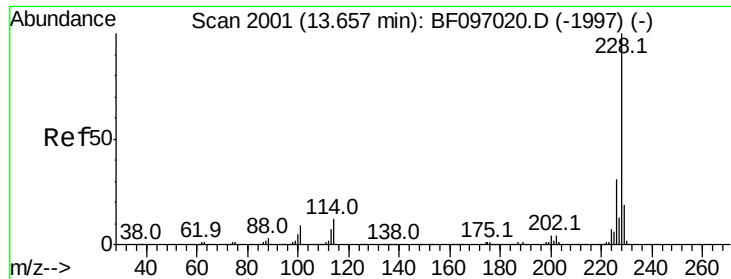
Sohil
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#80
 Benzo(a)anthracene
 Concen: 12.761 ng
 RT: 13.62 min Scan# 1994
 Delta R.T. -0.00 min
 Lab File: BF097056.D
 Acq: 26 Jul 2017 4:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.5	16.3	24.5





#82

Chrysene

Concen: 10.638 ng

RT: 13.65 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF097056.D

Acq: 26 Jul 2017 4:43

Instrument :

BNA_F

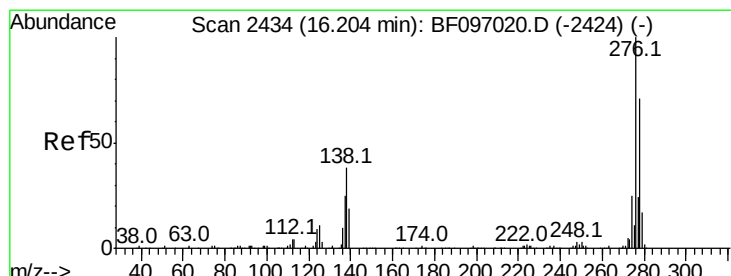
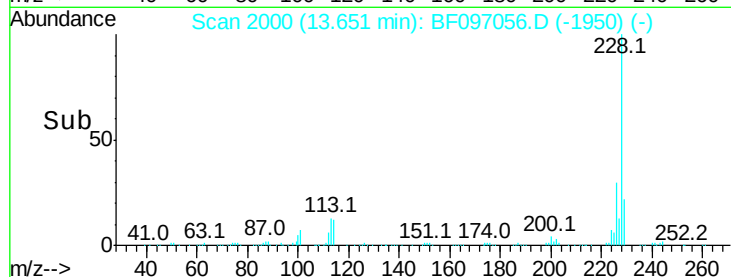
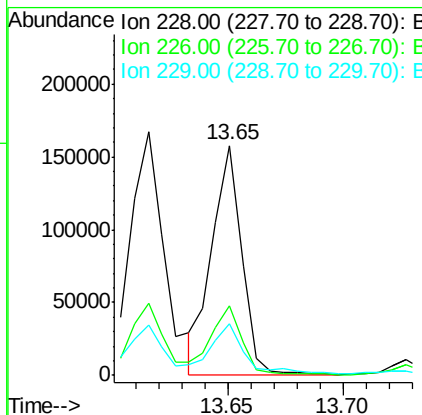
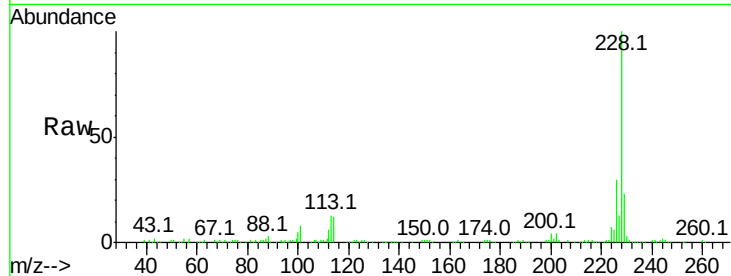
ClientSampleId :

E2-M5-BASE

Tot Ion:	228	Resp:	141582
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.9	37.3
229	22.6	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.452 ng

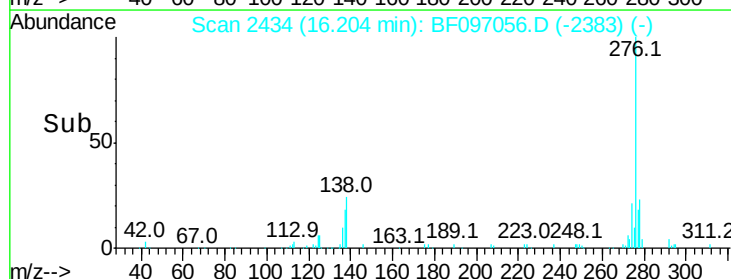
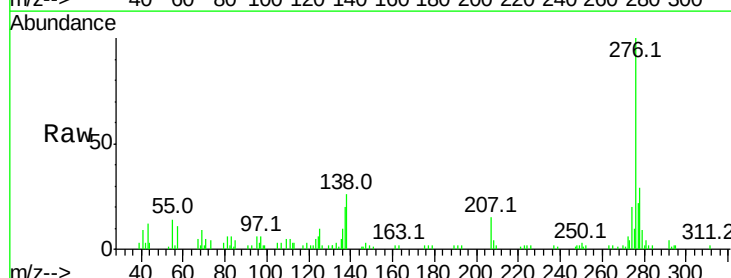
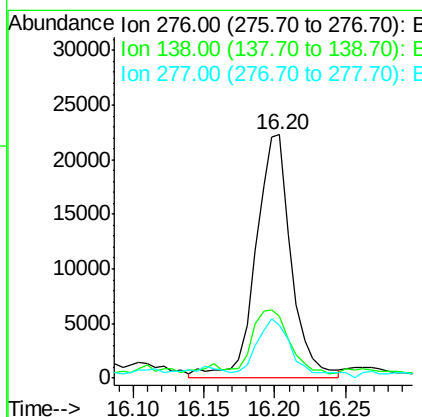
RT: 16.20 min Scan# 2434

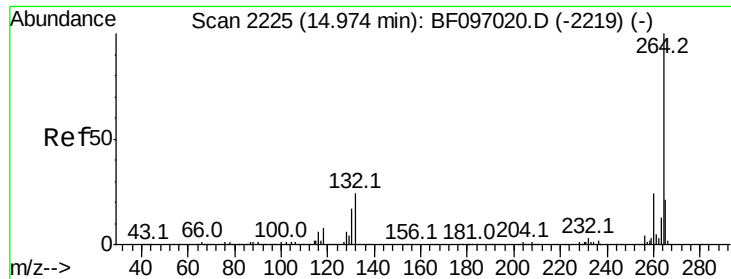
Delta R.T. -0.00 min

Lab File: BF097056.D

Acq: 26 Jul 2017 4:43

Tgt Ion:	276	Resp:	39397
Ion Ratio	Lower	Upper	
276	100		
138	27.4	27.8	41.6#
277	24.4	20.2	30.4





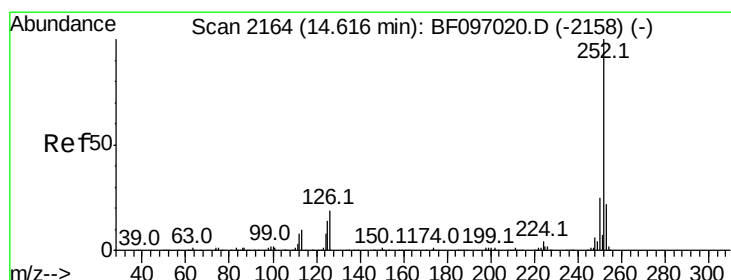
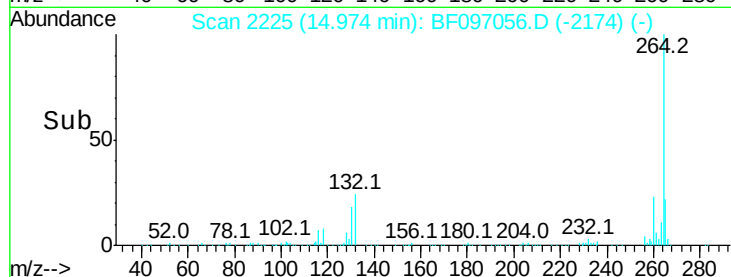
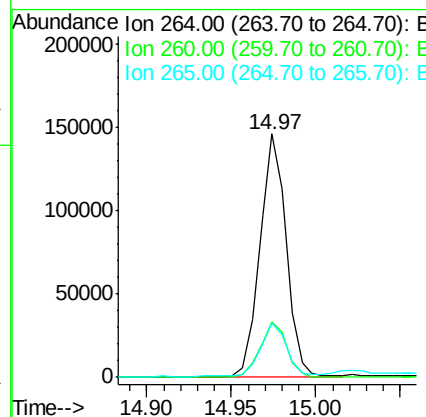
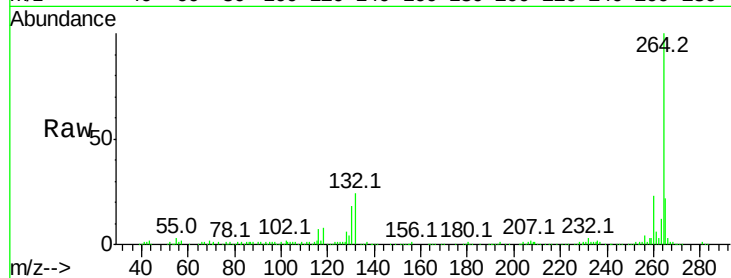
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2225
Delta R.T. -0.00 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Instrument :
BNA_F
ClientSampleId :
E2-M5-BASE

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.0	19.5	29.3
265	22.2	17.2	25.8

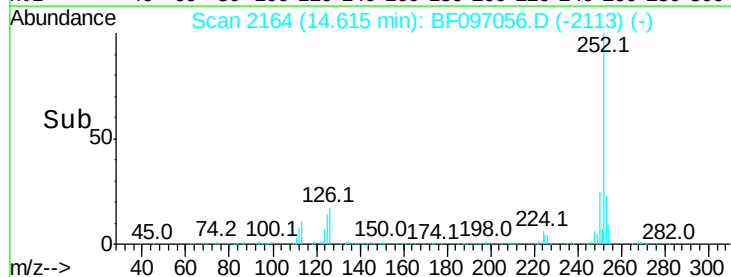
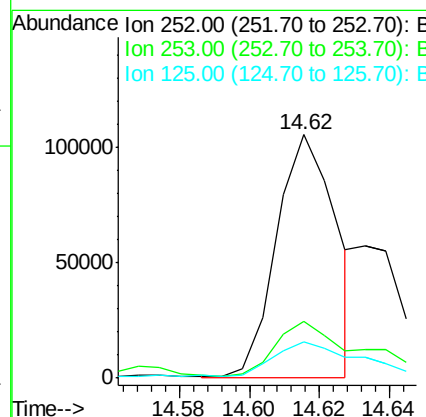
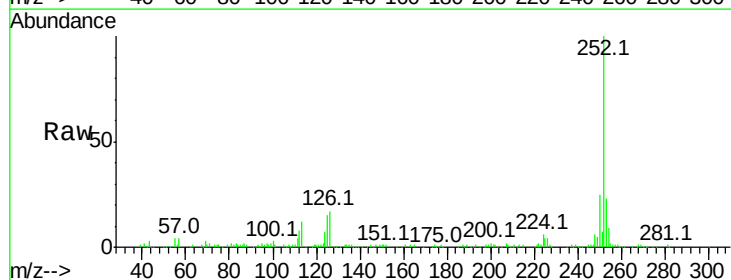
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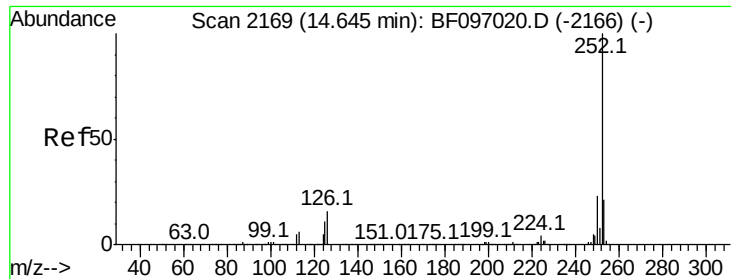
Sohil
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#87
Benzo(b)fluoranthene
Concen: 13.128 ng m
RT: 14.62 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	18.1	27.1
125	15.0	9.8	14.8#





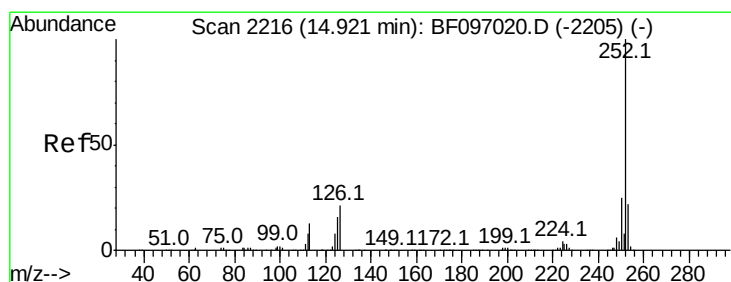
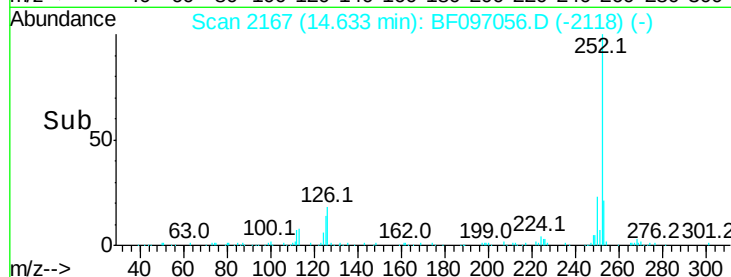
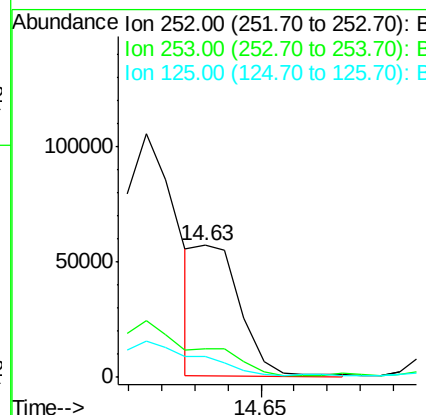
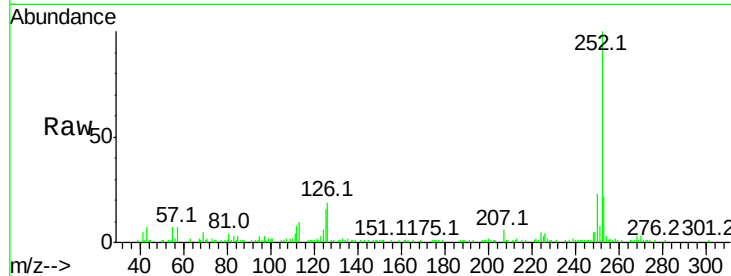
#88
Benzo(k)fluoranthene
Concen: 5.646 ng m
RT: 14.63 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Instrument :
BNA_F
ClientSampled :
E2-M5-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.4	27.6
125	15.9	13.1	19.7

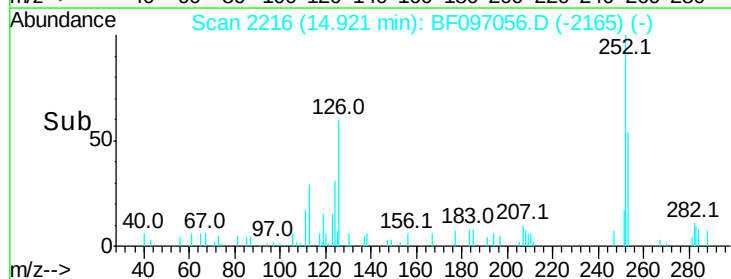
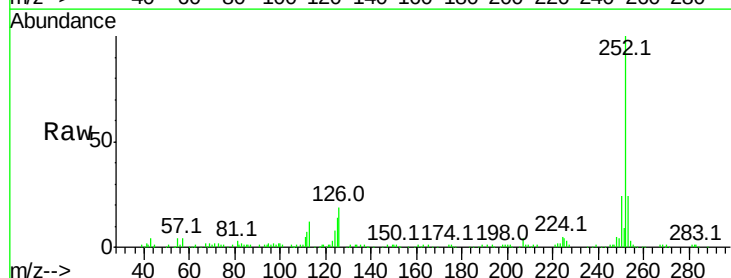
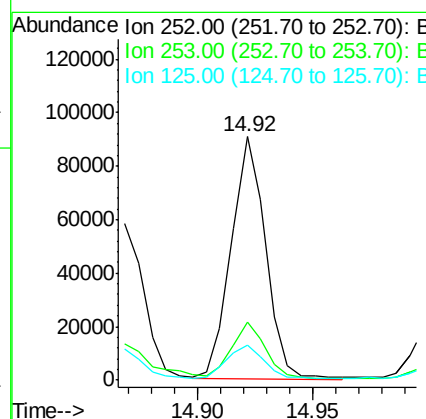
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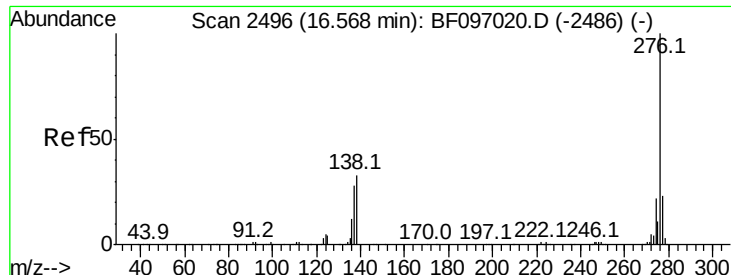
Sohil
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#89
Benzo(a)pyrene
Concen: 10.746 ng
RT: 14.92 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF097056.D
Acq: 26 Jul 2017 4:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	14.4	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 4.781 ng
 RT: 16.56 min Scan# 2495
 Delta R.T. -0.01 min
 Lab File: BF097056.D
 Acq: 26 Jul 2017 4:43

Instrument :
 BNA_F
 ClientSampleId :
 E2-M5-BASE

Tot Ion:	276	Resp:	36160
Ion Ratio	Lower	Upper	
276	100		
277	22.3	18.6	28.0
138	29.7	25.4	38.0

Manual Integrations
 APPROVED

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