

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097402.D
 Acq On : 5 Aug 2017 17:31
 Operator : SJ/JU
 Sample : I4611-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-080317-A

Manual Integrations
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 8/7/2017 6:00:47 PM

Quant Time: Aug 07 14:36:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	90934	20.00	ng	-0.07
21) Naphthalene-d8	7.70	136	356868	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	131832	20.00	ng	-0.08
63) Phenanthrene-d10	10.92	188	178092	20.00	ng	-0.08
75) Chrysene-d12	13.54	240	168681	20.00	ng	-0.08
86) Perylene-d12	14.89	264	112426	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	683469	113.30	ng	-0.07
7) Phenol-d6	6.10	99	790560	114.80	ng	-0.07
23) Nitrobenzene-d5	7.00	82	487095	80.07	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	115188	110.59	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	632199	81.38	ng	-0.08
78) Terphenyl-d14	12.50	244	432977	52.33	ng	-0.08
Target Compounds						
10) Phenol	6.11	94	23179	2.838	ng	Qvalue # 70
48) Acenaphthylene	9.31	152	34404	2.705	ng	98
49) Dimethylphthalate	9.19	163	106857	10.674	ng	# 99
70) Phenanthrene	10.94	178	46678	4.892	ng	97
71) Anthracene	11.00	178	27463	2.810	ng	98
74) Fluoranthene	12.13	202	184272	19.712	ng	97
77) Pyrene	12.35	202	200260	14.502	ng	99
80) Benzo(a)anthracene	13.54	228	125813	11.527	ng	96
82) Chrysene	13.57	228	110732	10.390	ng	99
85) Indeno(1,2,3-cd)pyrene	16.09	276	47421	5.189	ng	96
87) Benzo(b)fluoranthene	14.54	252	118200m	17.490	ng	
88) Benzo(k)fluoranthene	14.55	252	47492m	7.375	ng	
89) Benzo(a)pyrene	14.84	252	87751	14.187	ng	# 93
90) Dibenzo(a,h)anthracene	16.09	278	13628m	2.687	ng	
91) Benzo(a,h,i)perylene	16.44	276	47853	8.996	ng	91

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

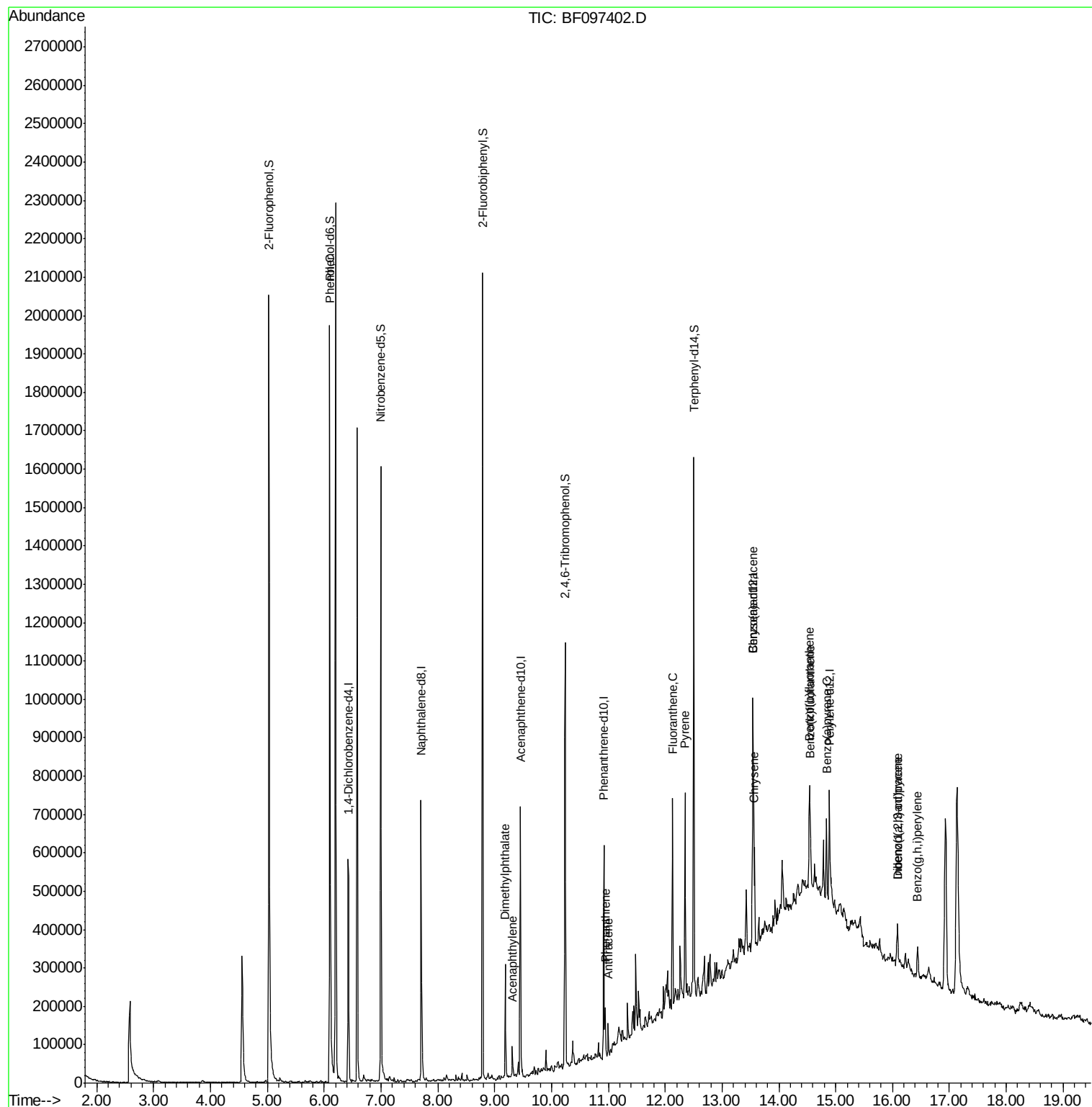
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
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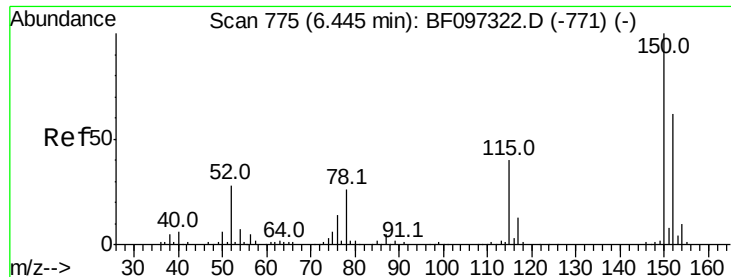
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#1

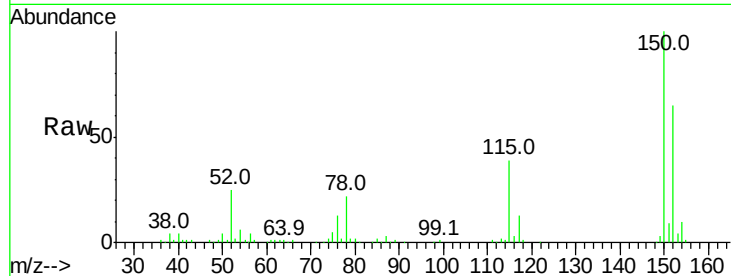
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-A

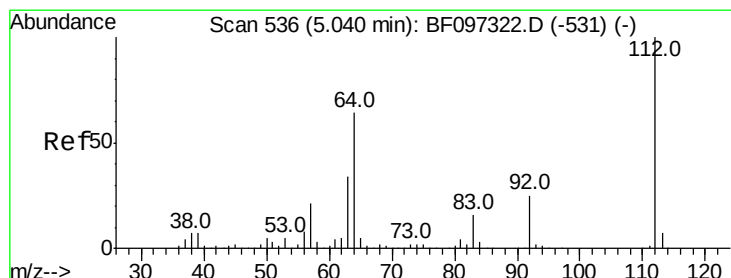
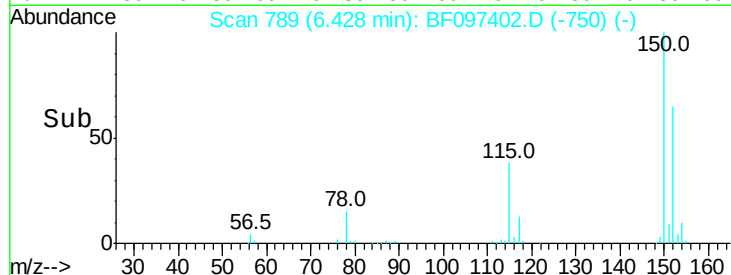
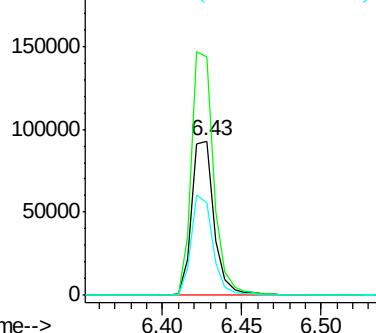
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	59.9	52.2	78.2

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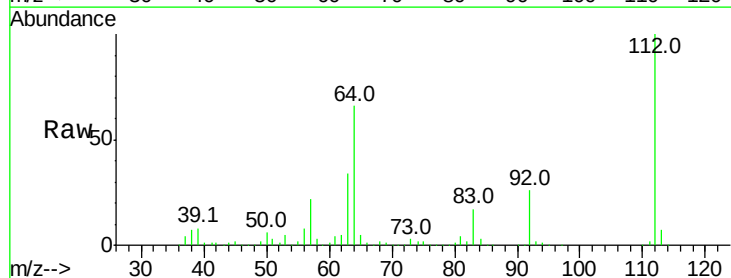
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



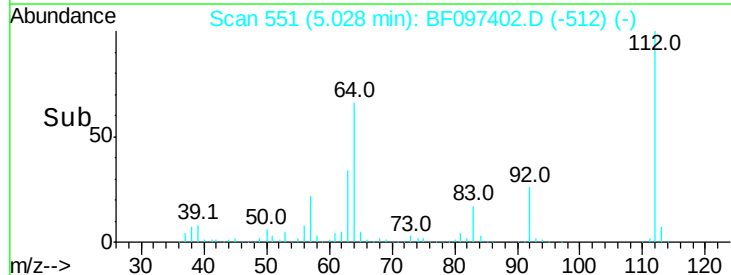
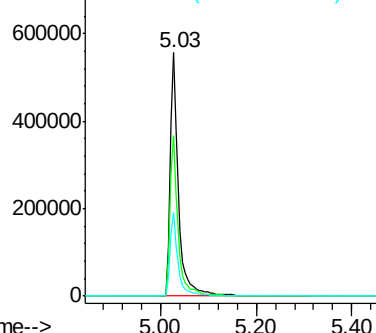
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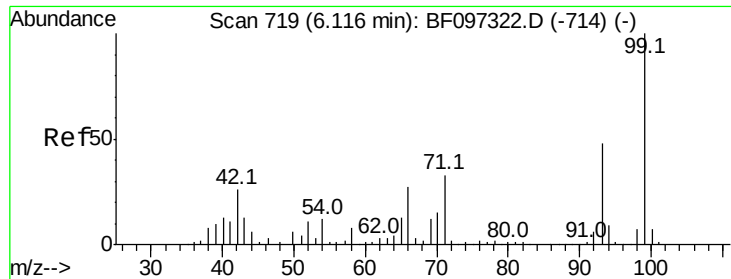
2-Fluorophenol
Concen: 113.304 ng
RT: 5.03 min Scan# 551
Delta R.T. -0.07 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	46.0	69.0
63	34.2	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.800 ng

RT: 6.10 min Scan# 733

Delta R.T. -0.07 min

Lab File: BF097402.D

Acq: 5 Aug 2017 17:31

Instrument :

BNA_F

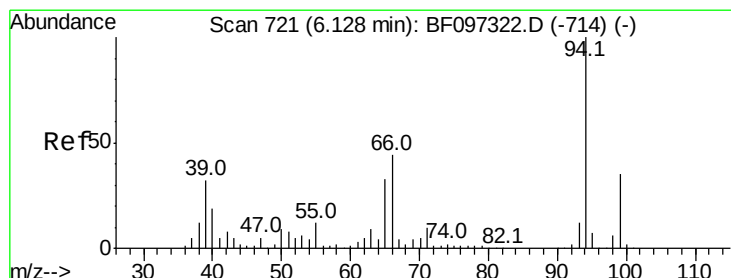
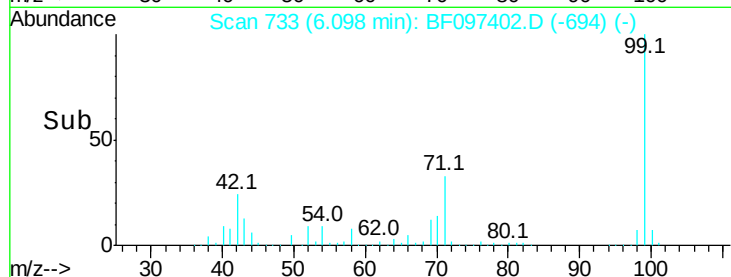
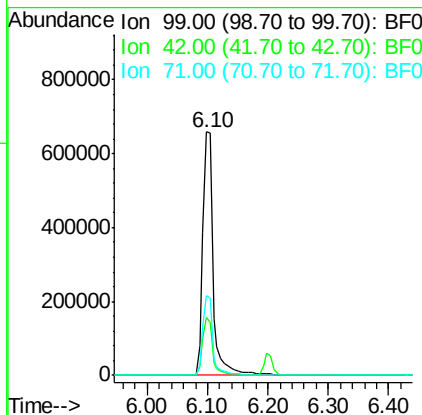
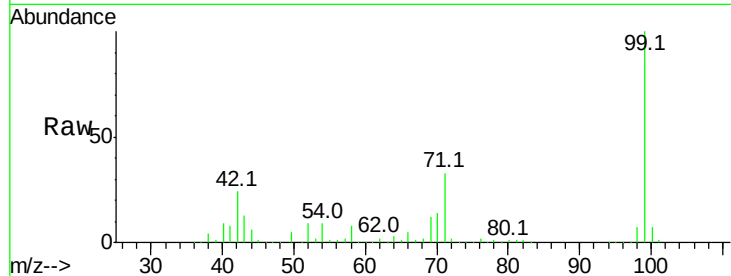
ClientSampleId :

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Tot Ion:	99	Resp:	790560
Ion Ratio	Lower	Upper	
99	100		
42	24.0	13.5	20.3#
71	32.9	24.5	36.7

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#10

Phenol

Concen: 2.838 ng

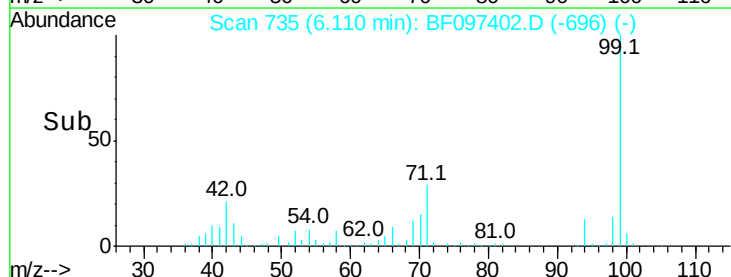
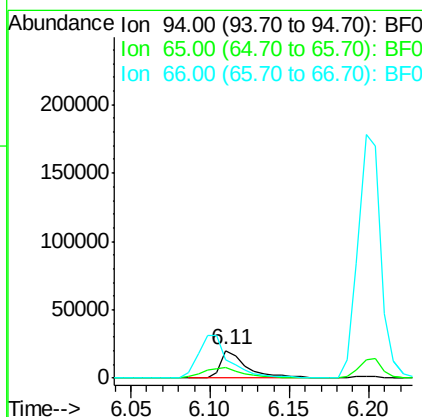
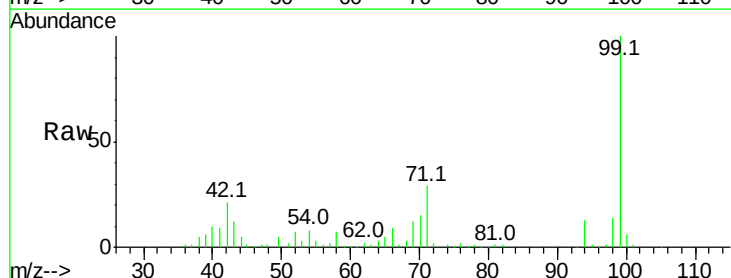
RT: 6.11 min Scan# 735

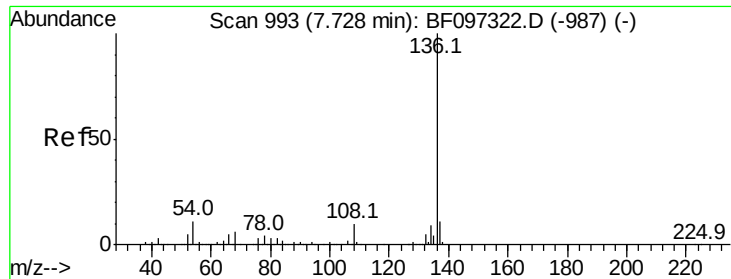
Delta R.T. -0.07 min

Lab File: BF097402.D

Acq: 5 Aug 2017 17:31

Tgt Ion:	94	Resp:	23179
Ion Ratio	Lower	Upper	
94	100		
65	39.1	9.9	49.9
66	68.6	23.1	63.1#





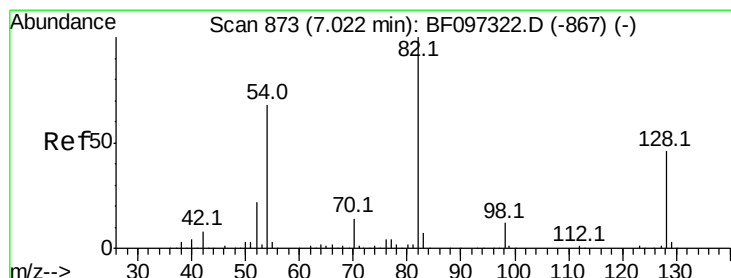
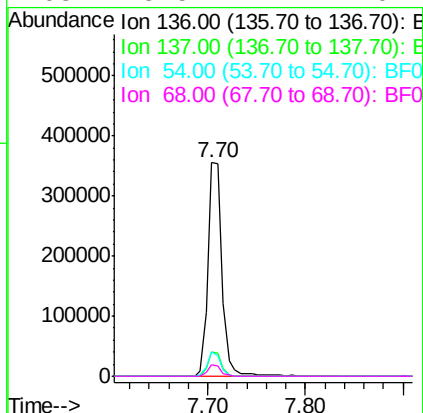
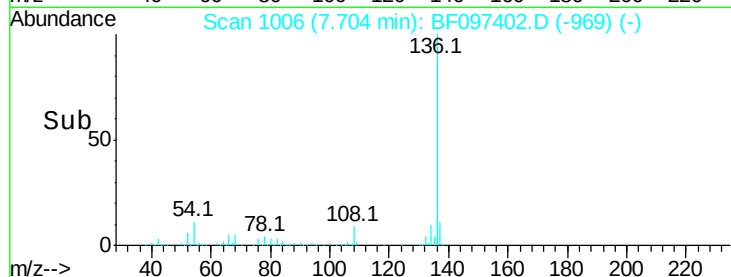
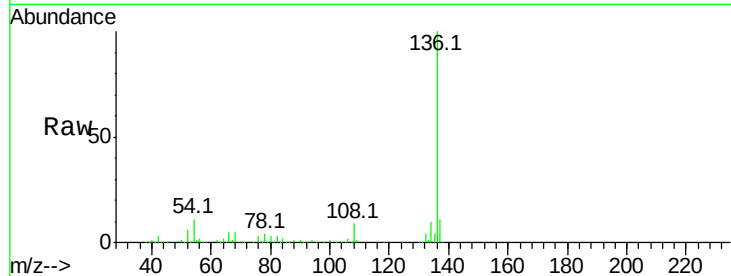
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.70 min Scan# 1006
Delta R.T. -0.08 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-A

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.5	12.7	
54	11.2	4.9	7.3	
68	5.5	4.1	6.1	

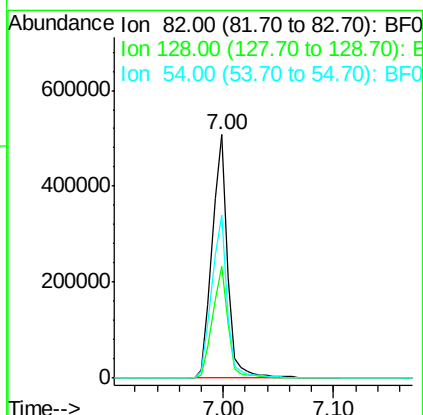
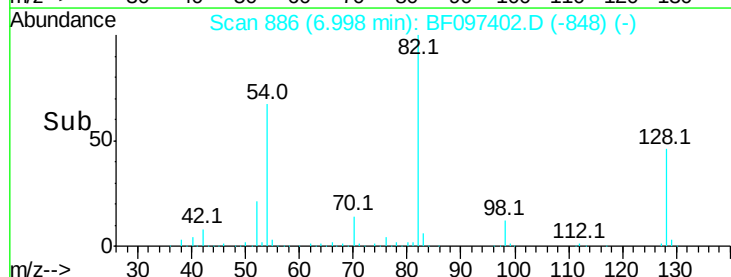
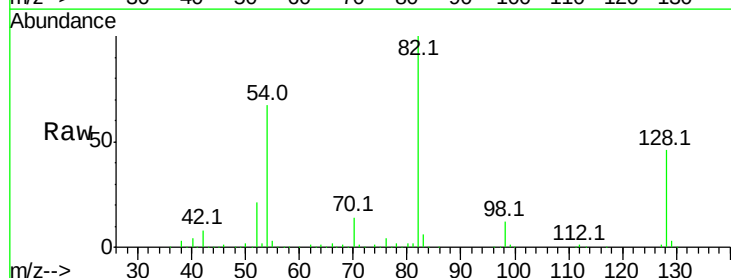
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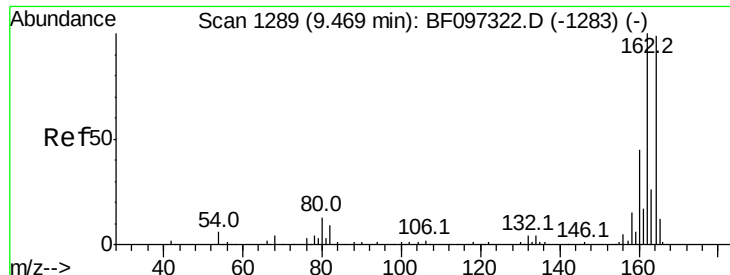
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#23
Nitrobenzene-d5
Concen: 80.071 ng
RT: 7.00 min Scan# 886
Delta R.T. -0.08 min
Lab File: BF097402.D
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.2	34.0	51.0	
54	67.0	42.2	63.2	





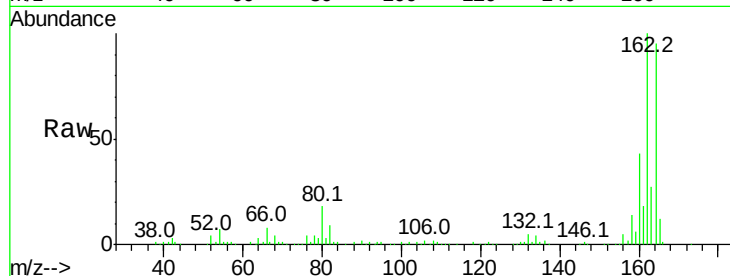
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. -0.08 min
 Lab File: BF097402.D
 Acq: 5 Aug 2017 17:31

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-080317-A

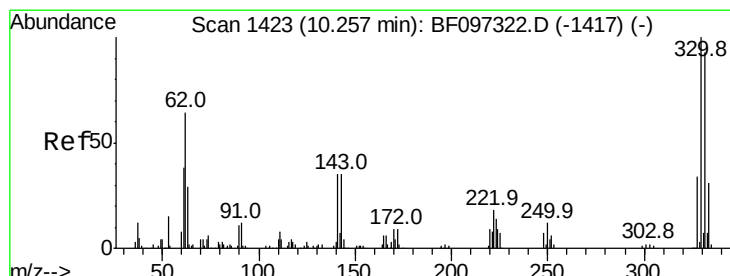
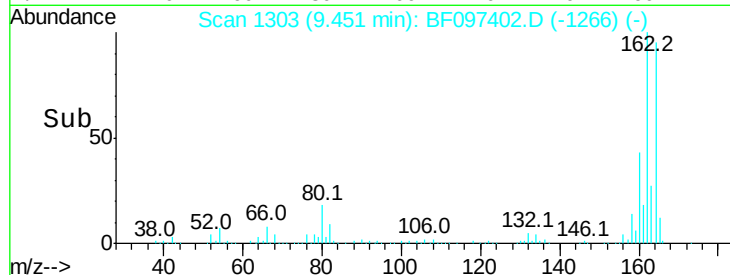
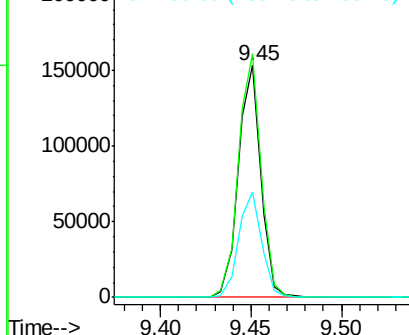
Tot Ion	Ratio	Resp	Lower	Upper
164	100	131832		
162	105.1	82.6	123.8	
160	45.4	36.2	54.2	

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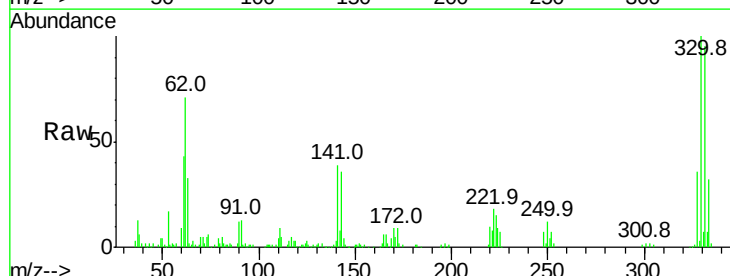


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

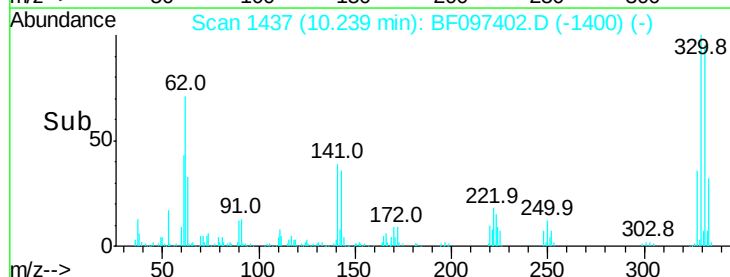
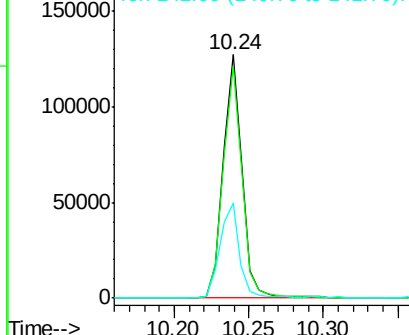


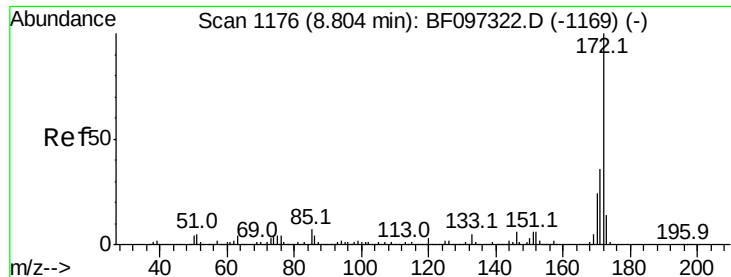
#41
 2,4,6-Tribromophenol
 Concen: 110.588 ng
 RT: 10.24 min Scan# 1437
 Delta R.T. -0.08 min
 Lab File: BF097402.D
 Acq: 5 Aug 2017 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	115188		
332	95.5	76.6	115.0	
141	40.9	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





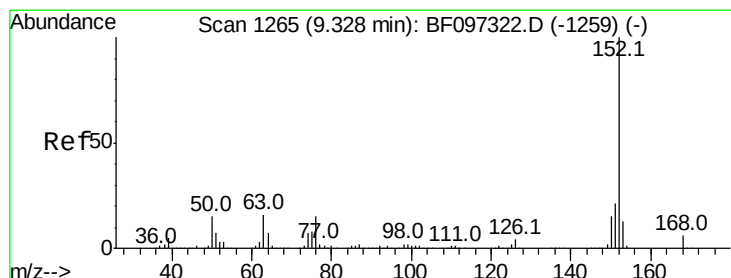
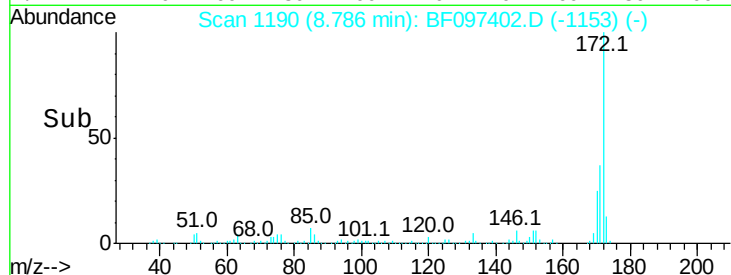
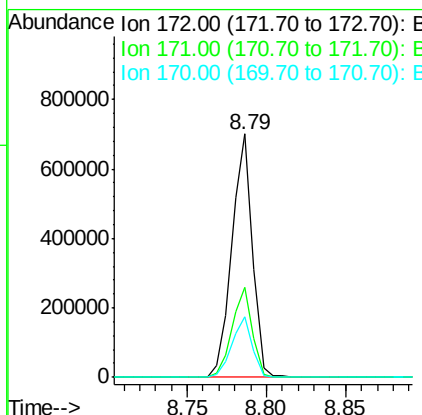
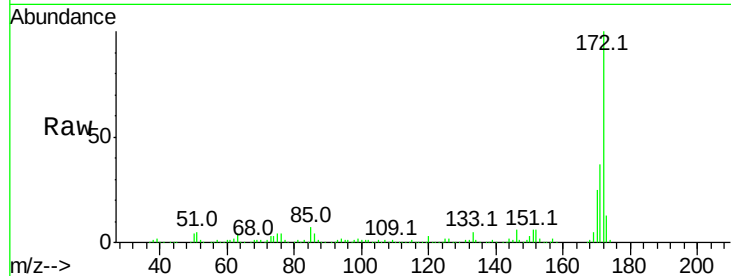
#44
 2-Fluorobiphenyl
 Concen: 81.384 ng
 RT: 8.79 min Scan# 1190
 Delta R.T. -0.08 min
 Lab File: BF097402.D
 Acq: 5 Aug 2017 17:31

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-080317-A

Tot Ion	Ratio	Resp	Lower	Upper
172	100	632199		
171	36.8		29.6	44.4
170	24.6		19.8	29.8

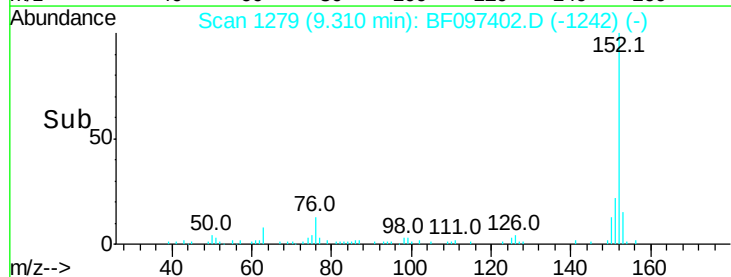
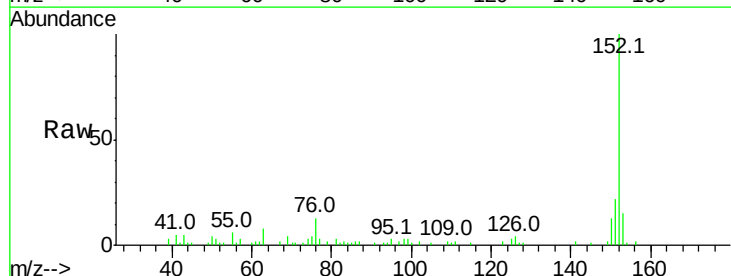
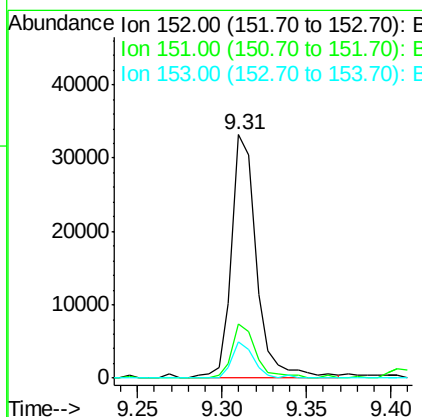
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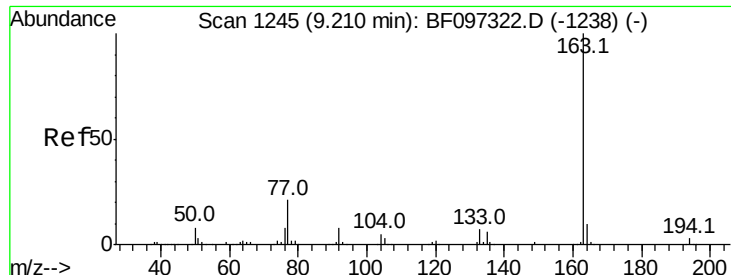
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#48
 Acenaphthylene
 Concen: 2.705 ng
 RT: 9.31 min Scan# 1279
 Delta R.T. -0.08 min
 Lab File: BF097402.D
 Acq: 5 Aug 2017 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	34404		
151	22.0		16.8	25.2
153	14.6		10.8	16.2





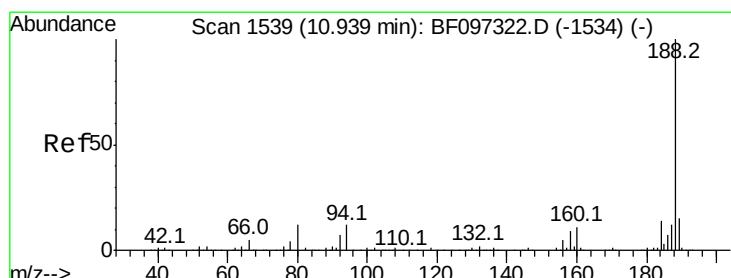
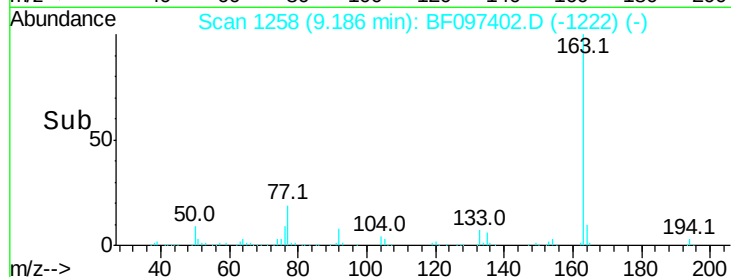
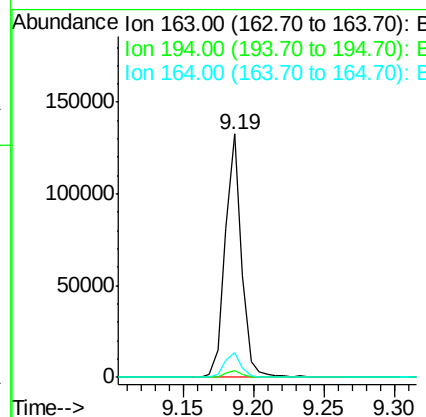
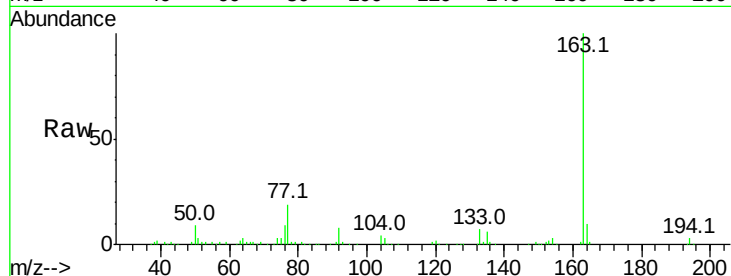
#49
Dimethylphthalate
Concen: 10.674 ng
RT: 9.19 min Scan# 1258
Delta R.T. -0.09 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	106857		
194	2.6		2.6	4.0#
164	10.0		8.4	12.6

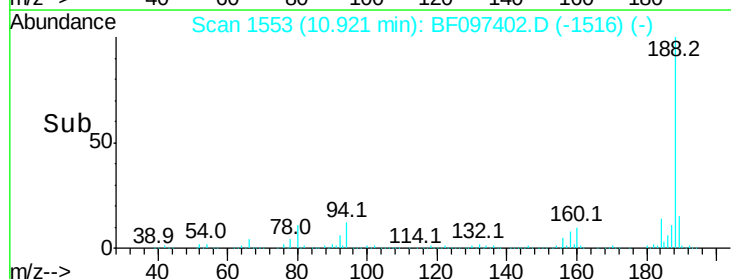
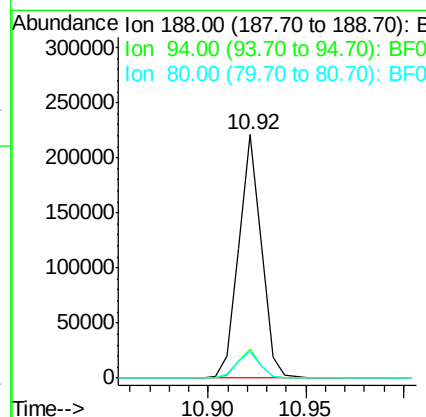
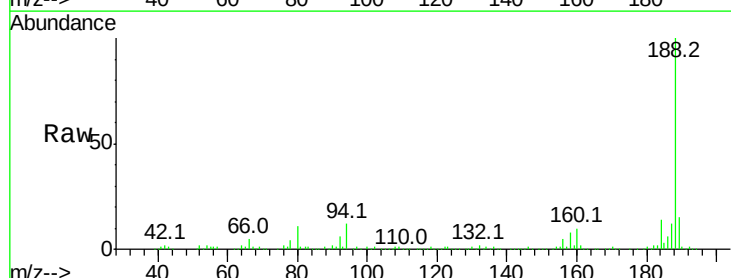
Manual Integrations
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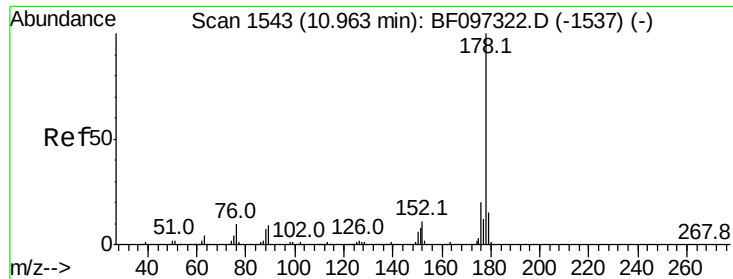
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.08 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	178092		
94	11.6		9.4	14.2
80	10.8		10.2	15.2





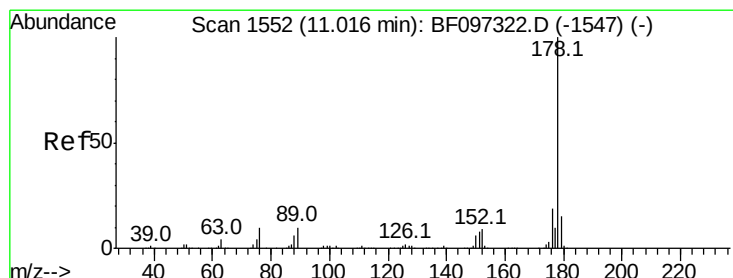
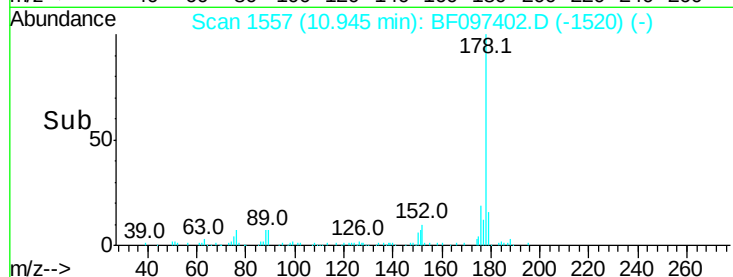
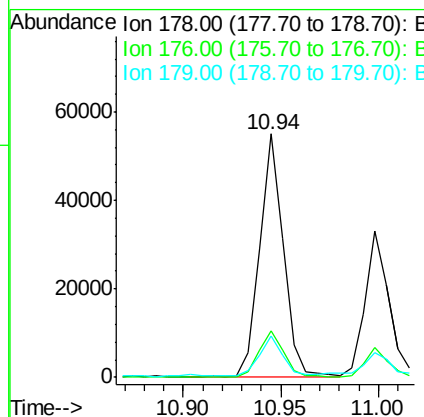
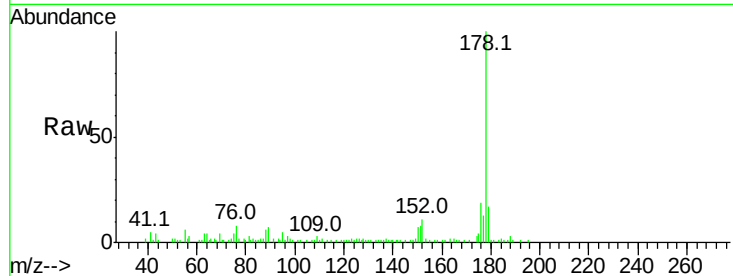
#70
Phenanthrene
Concen: 4.892 ng
RT: 10.94 min Scan# 1557
Delta R.T. -0.08 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-A

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	16.9	12.6	19.0

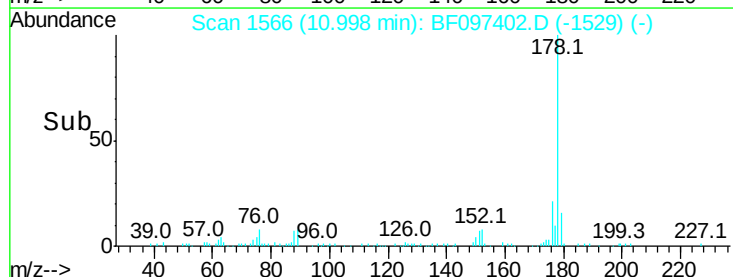
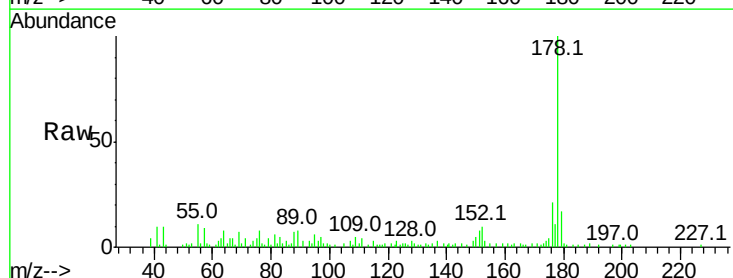
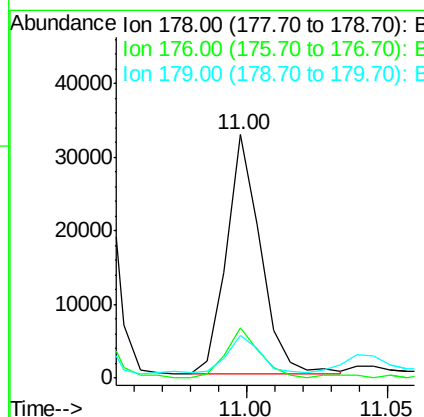
Manual Integrations
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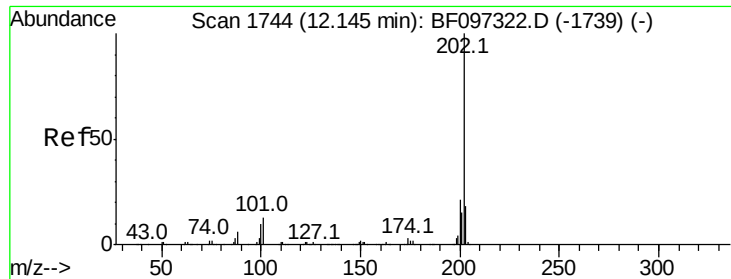
Sohil
8/7/2017 6:00:47 PM



#71
Anthracene
Concen: 2.810 ng
RT: 11.00 min Scan# 1566
Delta R.T. -0.08 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	17.4	12.7	19.1





#74

Fluoranthene

Concen: 19.712 ng

RT: 12.13 min Scan# 1758

Delta R.T. -0.08 min

Lab File: BF097402.D

Acq: 5 Aug 2017 17:31

Instrument :

BNA_F

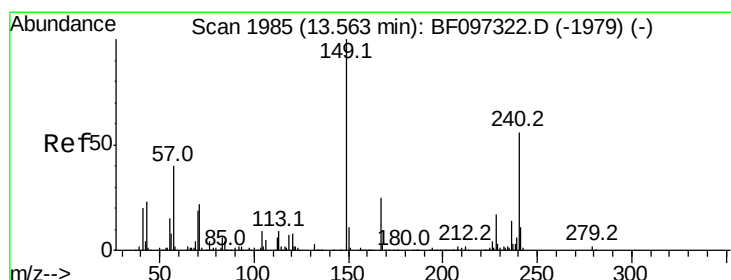
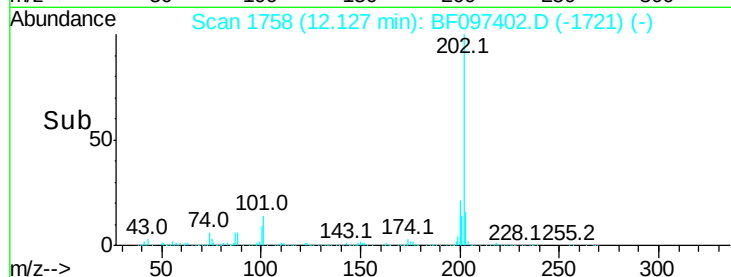
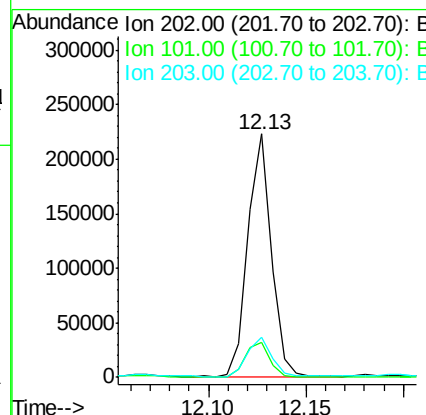
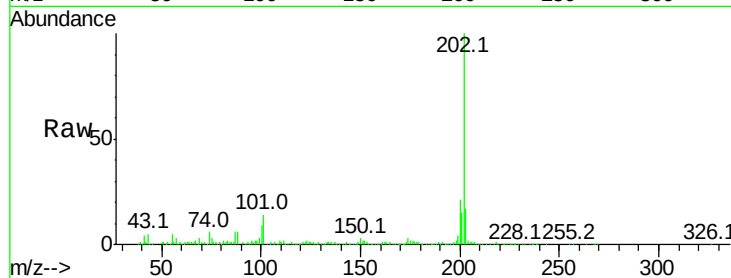
ClientSampleId :

EO-01-080317-A

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
101	14.2	0.0	33.2	
203	16.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

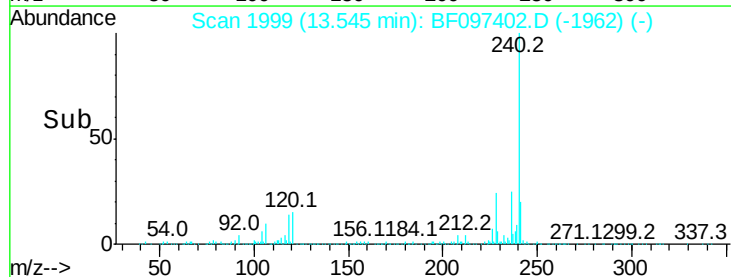
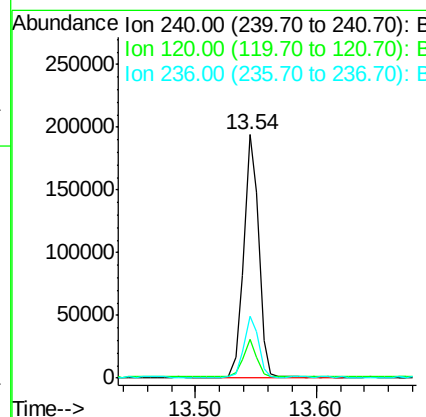
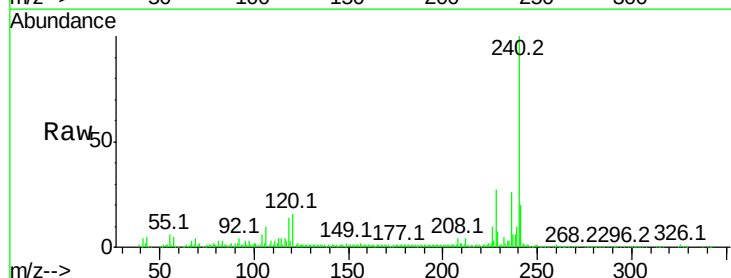
RT: 13.54 min Scan# 1999

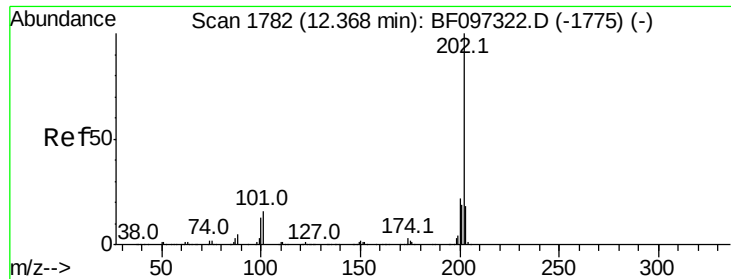
Delta R.T. -0.08 min

Lab File: BF097402.D

Acq: 5 Aug 2017 17:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.9	5.8	8.8#	
236	25.6	20.5	30.7	





#77

Pvrene

Concen: 14.502 ng

RT: 12.35 min Scan# 1796

Delta R.T. -0.08 min

Lab File: BF097402.D

Acq: 5 Aug 2017 17:31

Instrument :

BNA_F

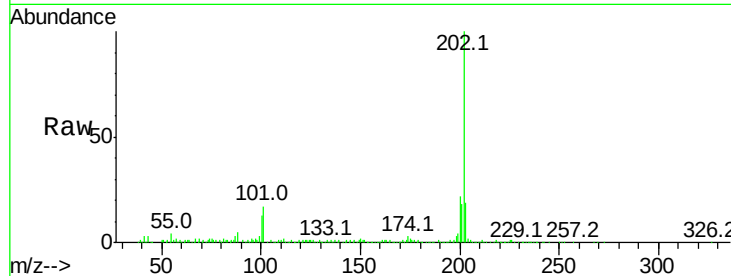
ClientSampleId :

EO-01-080317-A

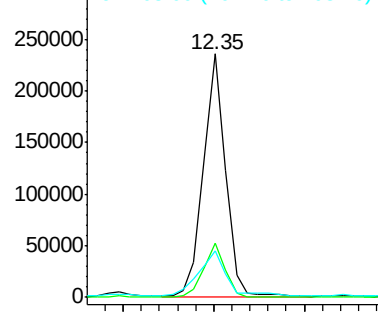
Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.1	17.6	26.4
203	19.0	14.4	21.6

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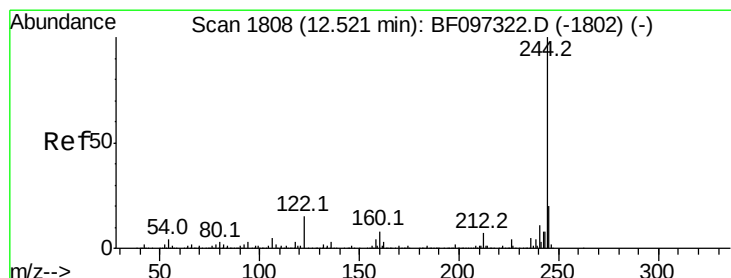
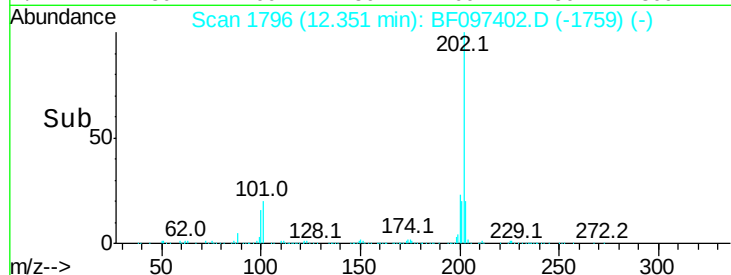
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 52.334 ng

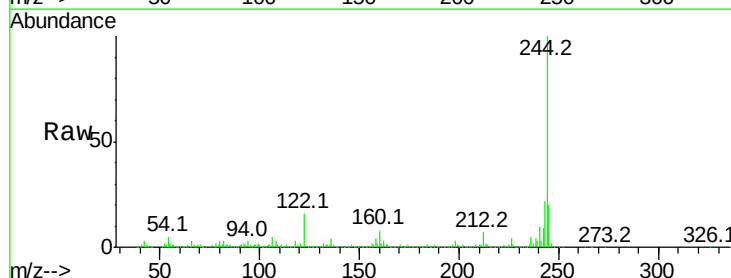
RT: 12.50 min Scan# 1822

Delta R.T. -0.08 min

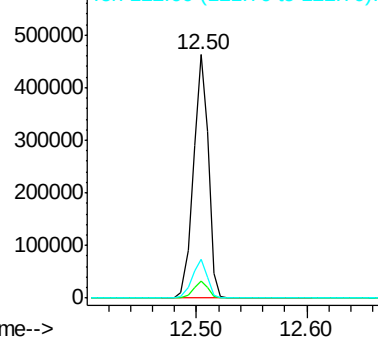
Lab File: BF097402.D

Acq: 5 Aug 2017 17:31

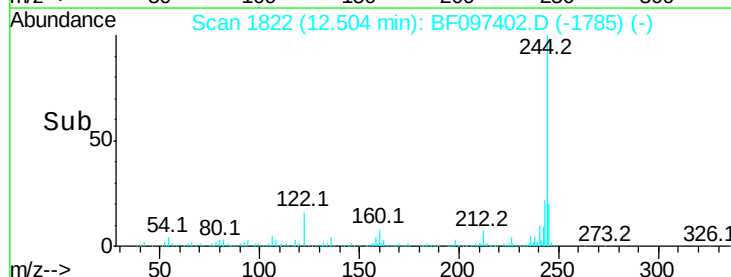
Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.0	9.0
122	16.0	10.3	15.5

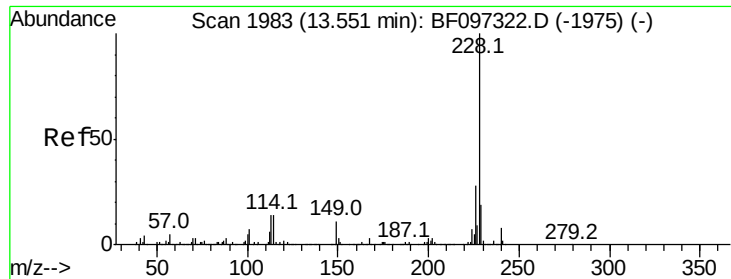


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





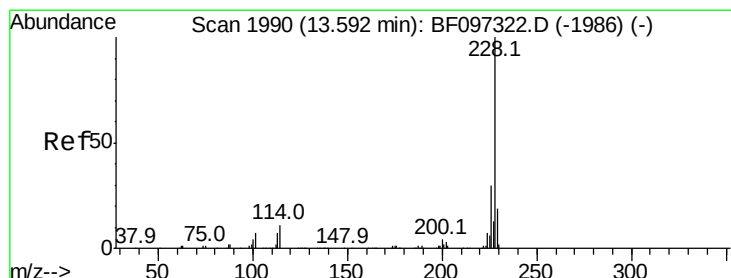
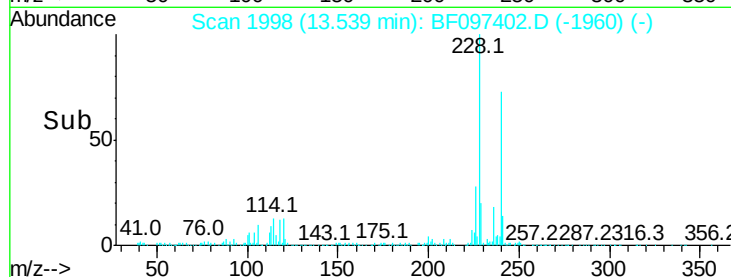
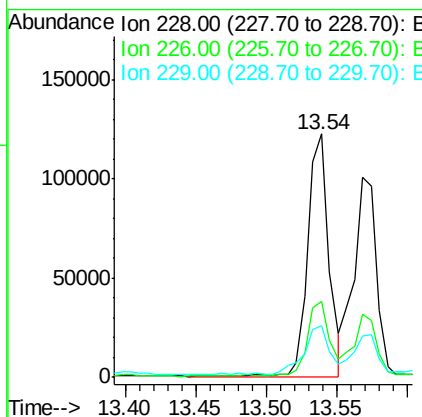
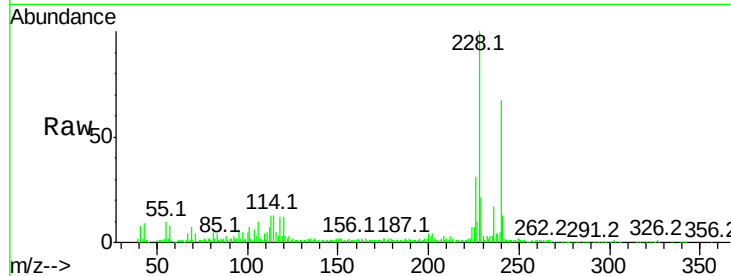
#80
Benzo(a)anthracene
Concen: 11.527 ng
RT: 13.54 min Scan# 1998
Delta R.T. -0.08 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	31.5	22.6	33.8		
229	21.4	16.3	24.5		

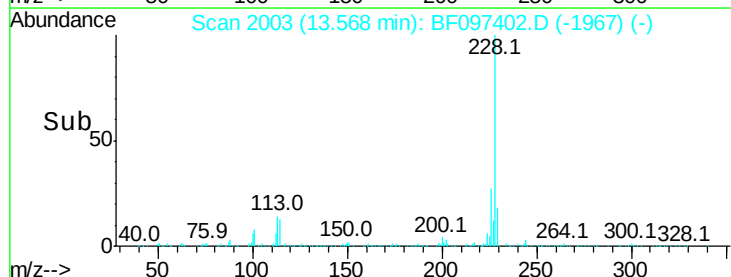
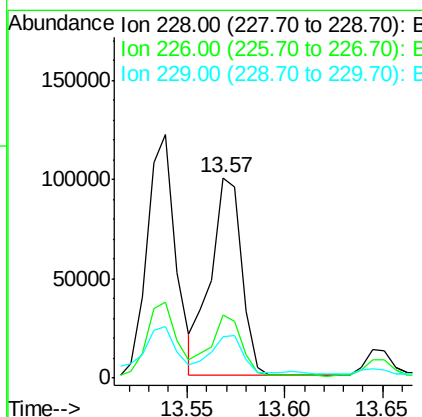
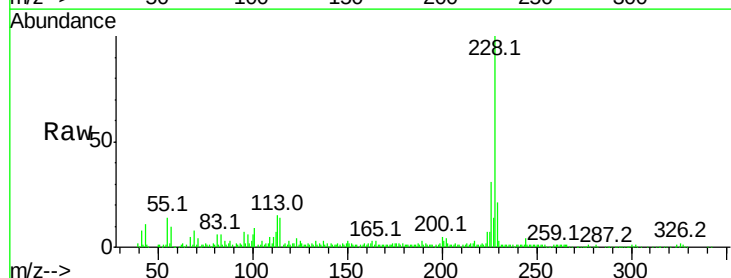
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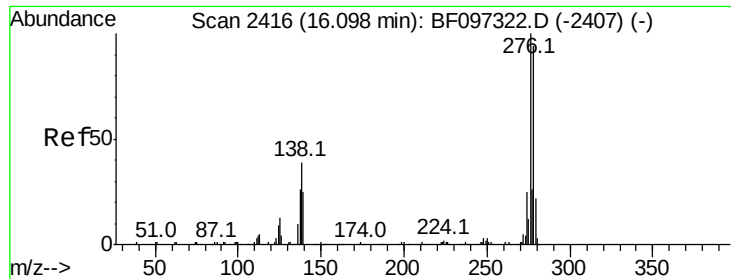
Sohil
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#82
Chrysene
Concen: 10.390 ng
RT: 13.57 min Scan# 2003
Delta R.T. -0.09 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	31.4	24.9	37.3		
229	20.9	15.8	23.6		





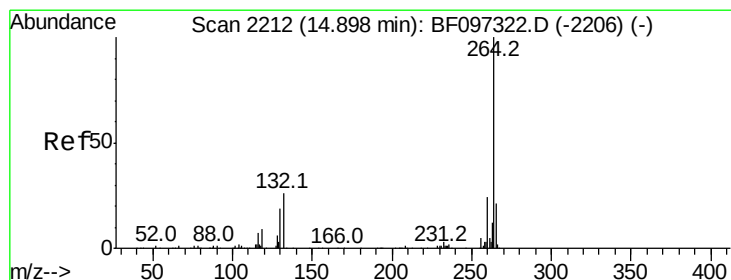
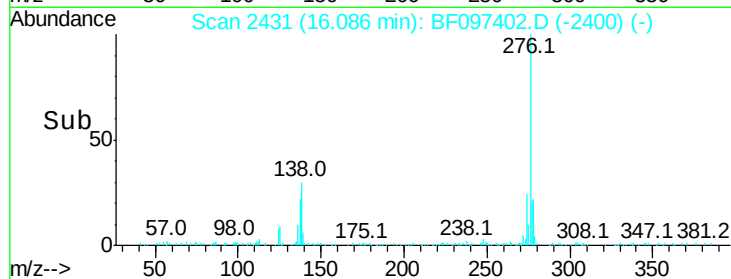
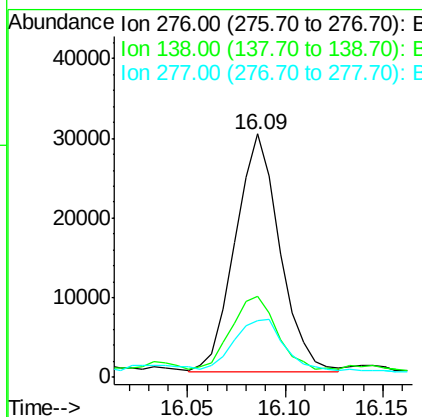
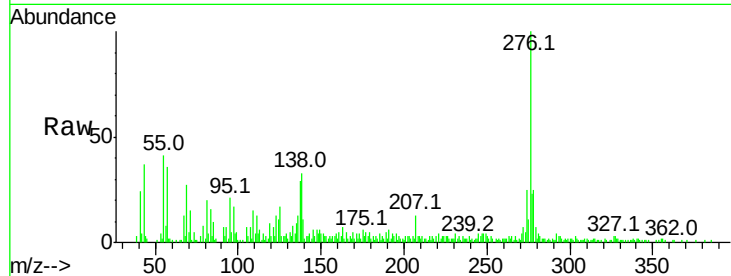
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.189 ng
 RT: 16.09 min Scan# 2431
 Delta R.T. -0.12 min
 Lab File: BF097402.D
 Acq: 5 Aug 2017 17:31

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-080317-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.3	27.8	41.6
277	25.2	20.2	30.4

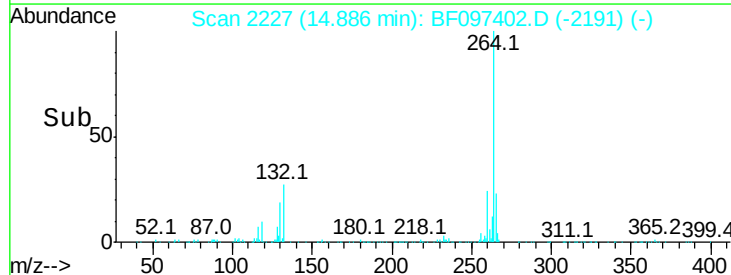
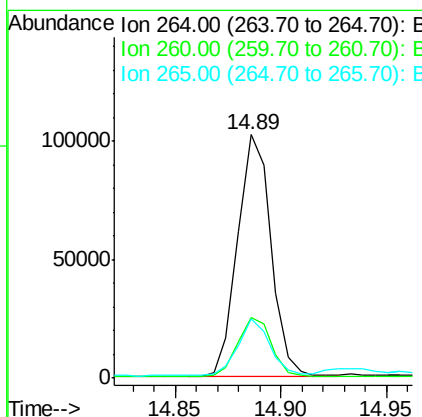
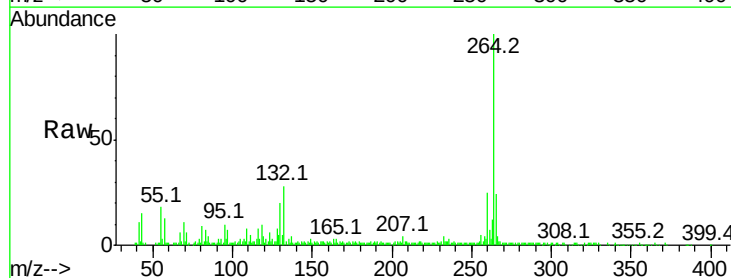
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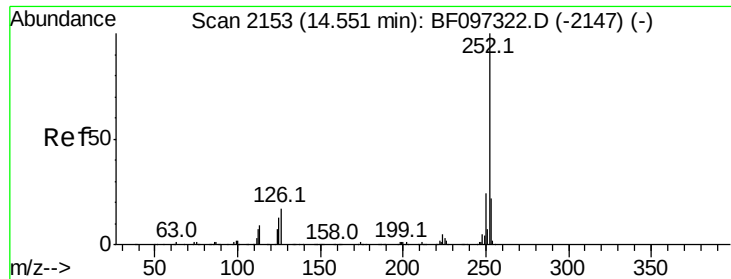
Sohil
 8/7/2017 6:00:47 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.89 min Scan# 2227
 Delta R.T. -0.09 min
 Lab File: BF097402.D
 Acq: 5 Aug 2017 17:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	24.2	17.2	25.8





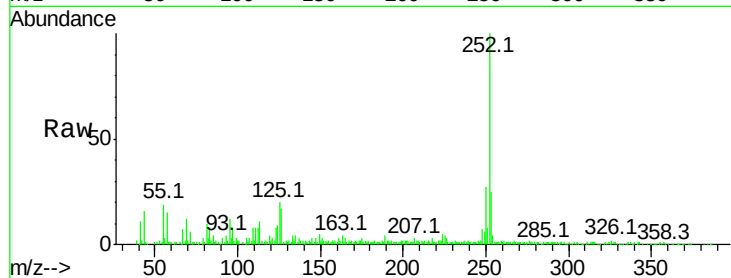
#87
Benzo(b)fluoranthene
Concen: 17.490 ng m
RT: 14.54 min Scan# 2168
Delta R.T. -0.08 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-A

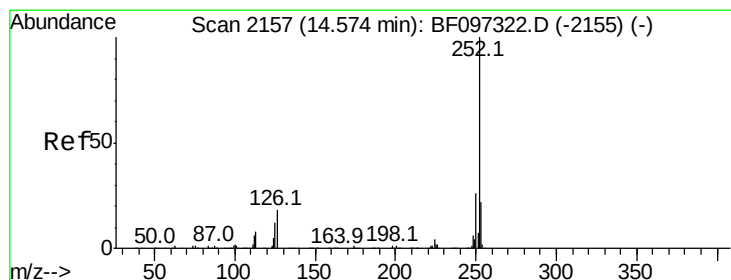
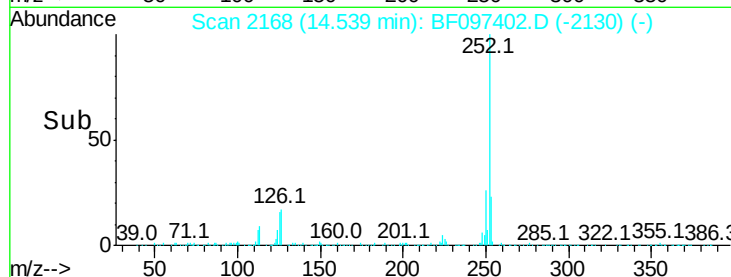
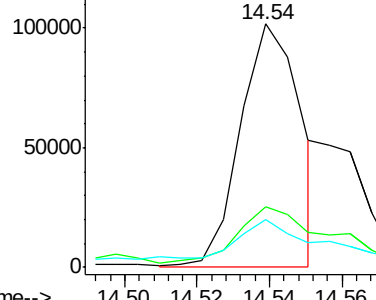
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.1	27.1
125	19.5	9.8	14.8

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8/7/2017 6:00:47 PM



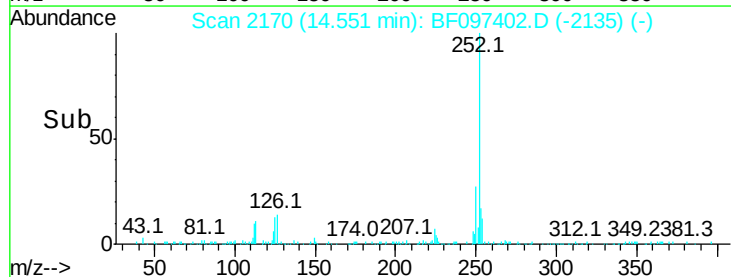
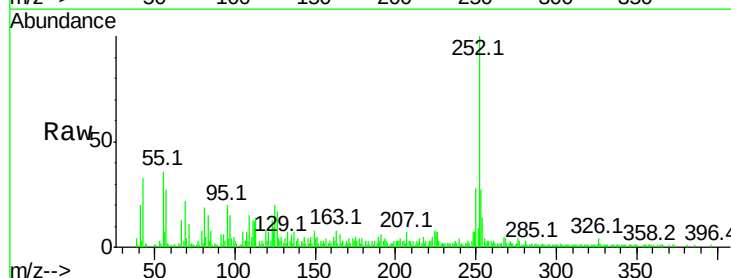
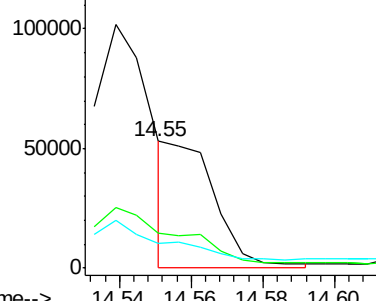
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

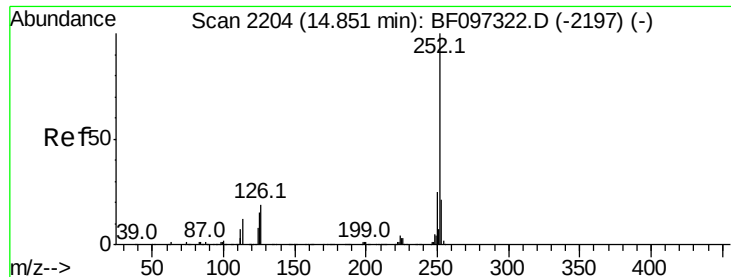


#88
Benzo(k)fluoranthene
Concen: 7.375 ng m
RT: 14.55 min Scan# 2170
Delta R.T. -0.09 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.3	18.4	27.6
125	20.0	13.1	19.7

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





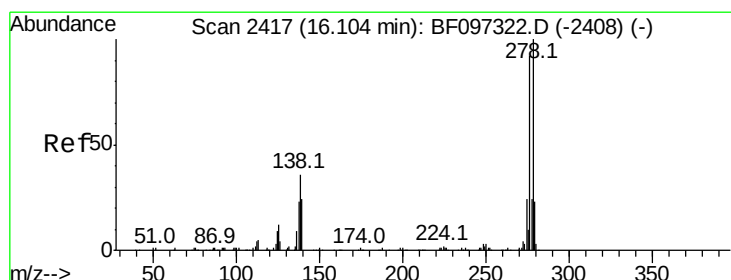
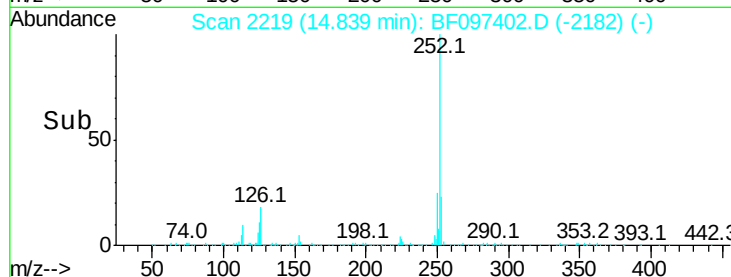
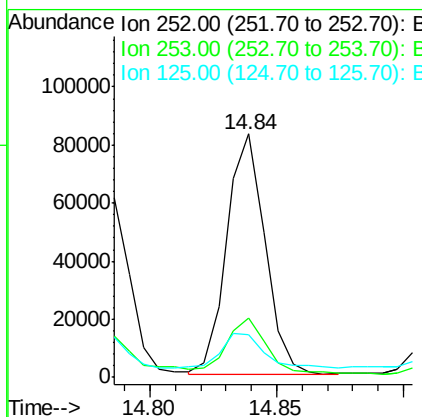
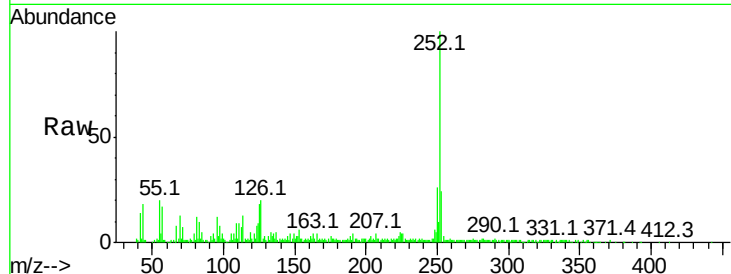
#89
Benzo(a)pyrene
Concen: 14.187 ng
RT: 14.84 min Scan# 2219
Delta R.T. -0.08 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	17.5	11.0	16.4

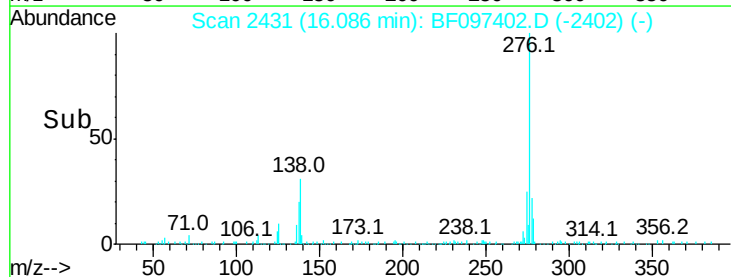
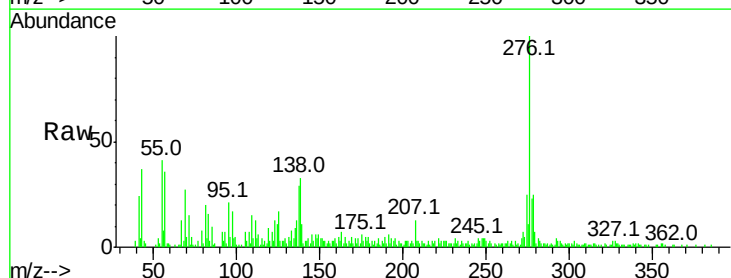
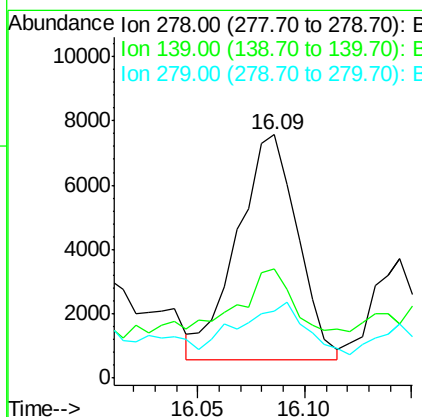
Manual Integrations
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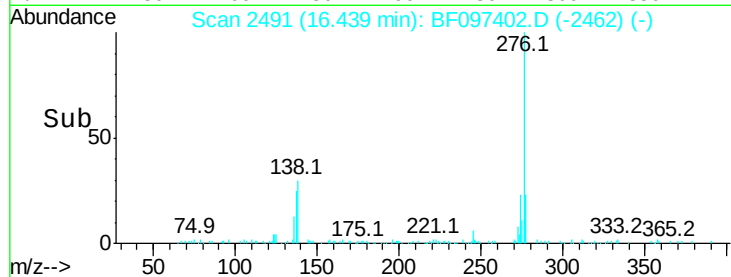
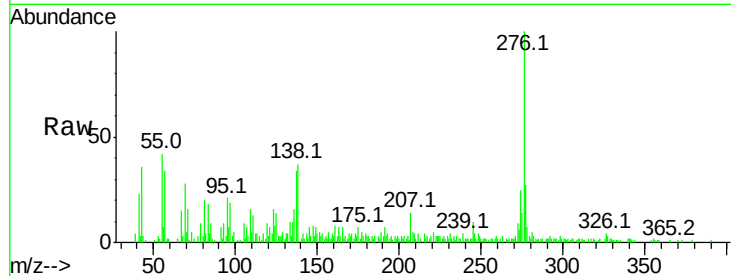
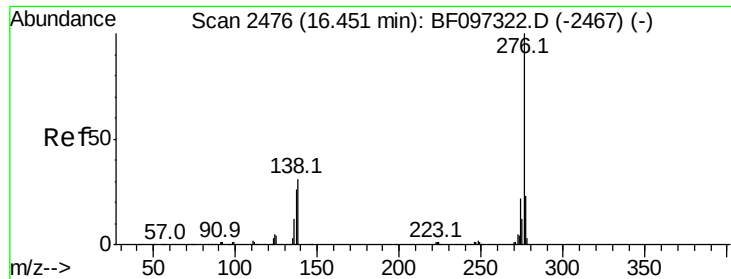
Sohil
8/7/2017 6:00:47 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.687 ng m
RT: 16.09 min Scan# 2431
Delta R.T. -0.13 min
Lab File: BF097402.D
Acq: 5 Aug 2017 17:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	44.6	16.6	24.8
279	27.5	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 8.996 ng

RT: 16.44 min Scan# 2491

Delta R.T. -0.13 min

Lab File: BF097402.D

Acq: 5 Aug 2017 17:31

Instrument :

BNA_F

ClientSampleId :

EO-01-080317-A

Tot Ion:	276	Resp:	47853
Ion Ratio	Lower	Upper	
276	100		
277	26.6	18.6	28.0
138	37.2	25.4	38.0

Manual Integrations
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8/7/2017 6:00:47 PM

