

Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097944.D
 Acq On : 22 Aug 2017 9:54
 Operator : SJ/JU
 Sample : I4872-10DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMPDL

Manual Integrations
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Sohil
 8/22/2017 5:45:38 PM

Quant Time: Aug 22 12:22:29 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	102692	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	378441	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	142828	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	250291	20.00	ng	0.00
75) Chrysene-d12	13.90	240	204726	20.00	ng	0.00
86) Perylene-d12	15.32	264	152500	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	156266	23.15	ng	0.00
7) Phenol-d6	6.37	99	209229	22.81	ng	-0.01
23) Nitrobenzene-d5	7.30	82	111244	15.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	23717	19.14	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	144275	14.84	ng	0.00
78) Terphenyl-d14	12.85	244	102579	10.45	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.05	128	53024	2.699	ng	98
48) Acenaphthylene	9.65	152	43472	2.877	ng	99
49) Dimethylphthalate	9.50	163	21997	2.107	ng	# 96
51) Acenaphthene	9.82	154	20157	2.115	ng	94
54) Dibenzofuran	9.99	168	43392	3.397	ng	99
57) Fluorene	10.33	166	55292	5.599	ng	98
70) Phenanthrene	11.29	178	536135	40.198	ng	99
71) Anthracene	11.34	178	97642	7.218	ng	98
72) Carbazole	11.49	167	44867	3.494	ng	99
74) Fluoranthene	12.47	202	648238	46.565	ng	98
77) Pyrene	12.70	202	605233	36.146	ng	99
80) Benzo(a)anthracene	13.89	228	220365	17.960	ng	94
82) Chrysene	13.92	228	206822	16.944	ng	97
85) Indeno(1,2,3-cd)pyrene	16.69	276	81499	9.077	ng	# 88
87) Benzo(b)fluoranthene	14.92	252	203729m	21.194	ng	
88) Benzo(k)fluoranthene	14.93	252	74411m	8.239	ng	
89) Benzo(a)pyrene	15.26	252	156946	18.443	ng	96
90) Dibenzo(a,h)anthracene	16.70	278	18989m	2.741	ng	
91) Benzo(a,h,i)perylene	17.11	276	80400m	11.122	ng	

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

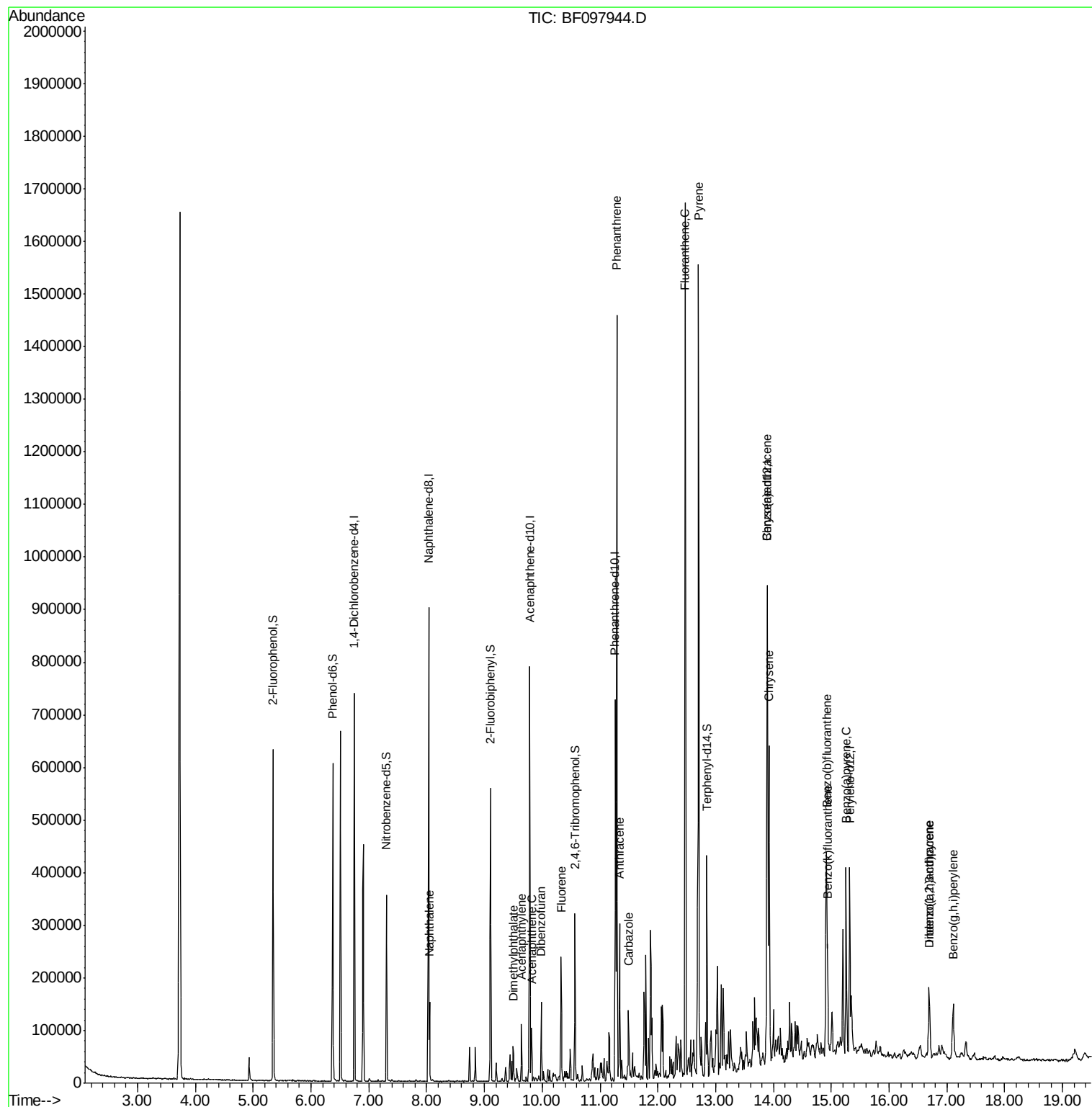
Data Path : U:\HPCHEM1\BNA F\DATA\BF082117\
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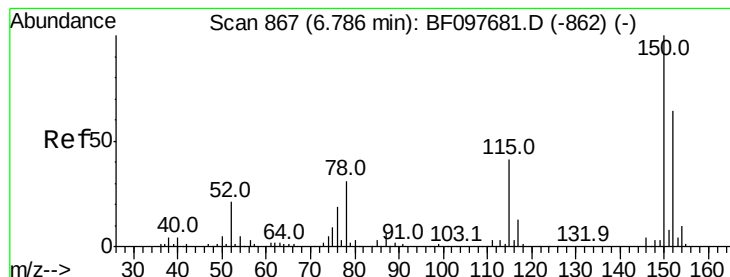
Instrument :
BNA_F
ClientSampleId :
SB-12-COMPDL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

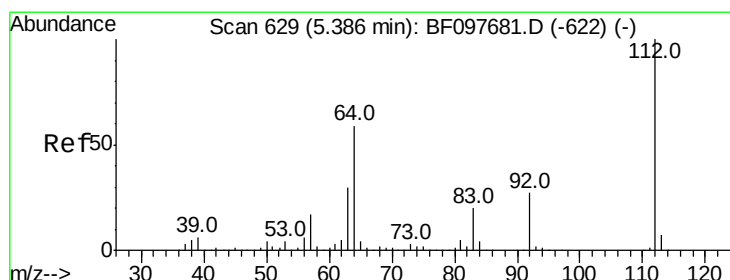
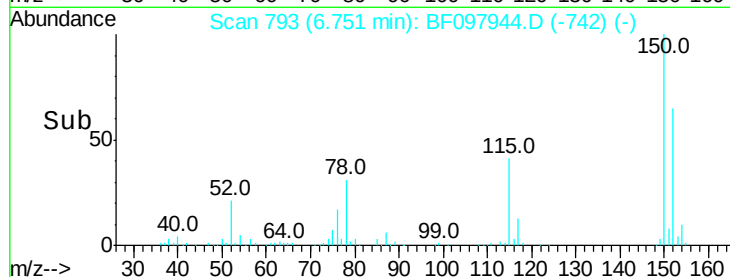
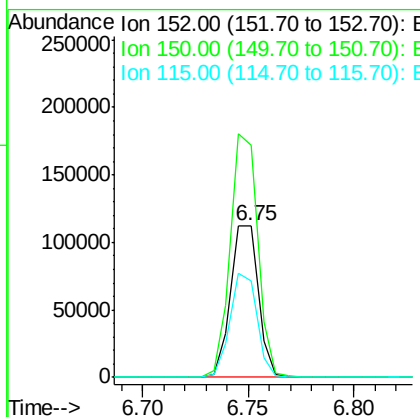
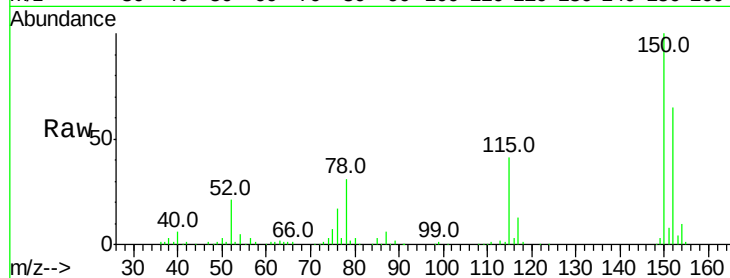
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.00 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Instrument :
BNA_F
ClientSampleId :
SB-12-COMPDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	126.2	189.2
115	63.5	52.2	78.2

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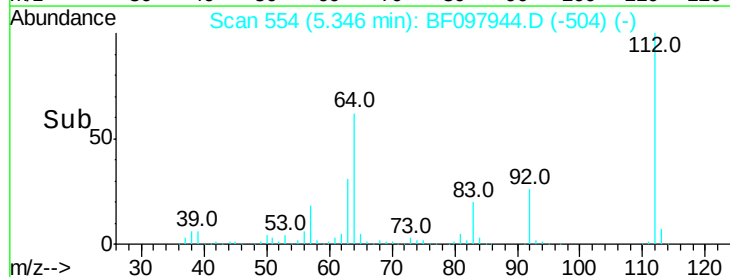
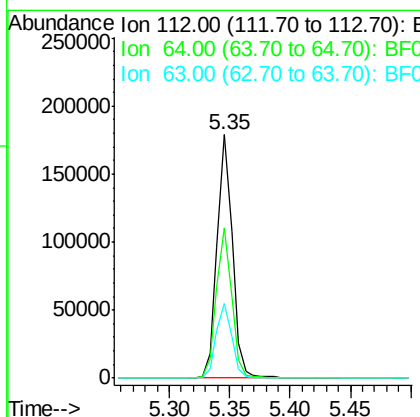
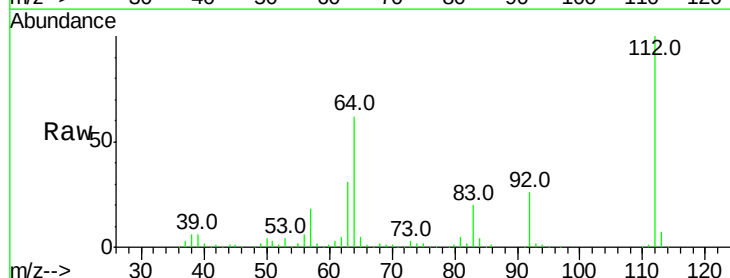
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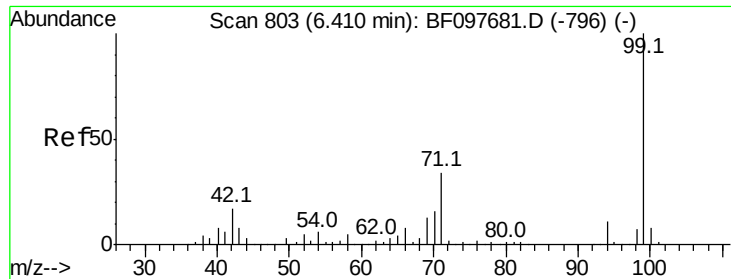


#5

2-Fluorophenol
Concen: 23.146 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	46.0	69.0
63	30.8	23.4	35.0





#7

Phenol-d6

Concen: 22.809 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF097944.D

Acq: 22 Aug 2017 9:54

Instrument :

BNA_F

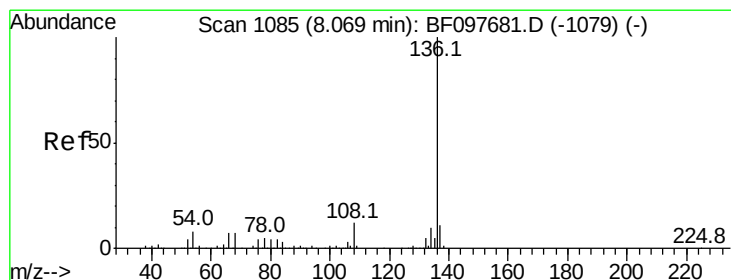
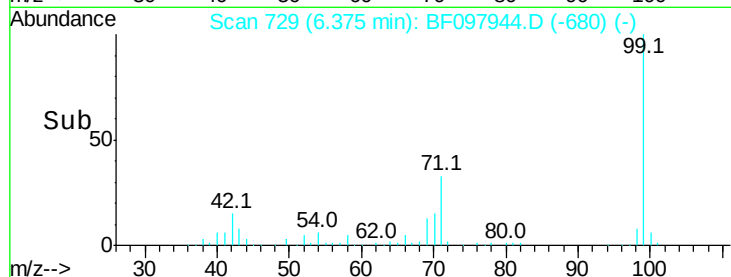
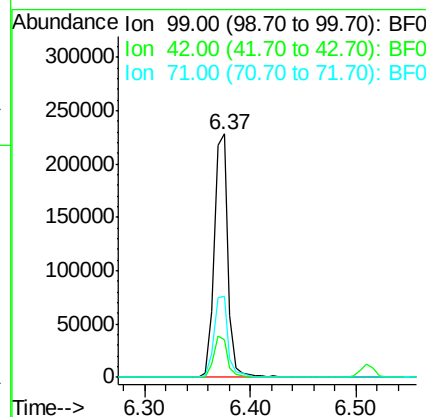
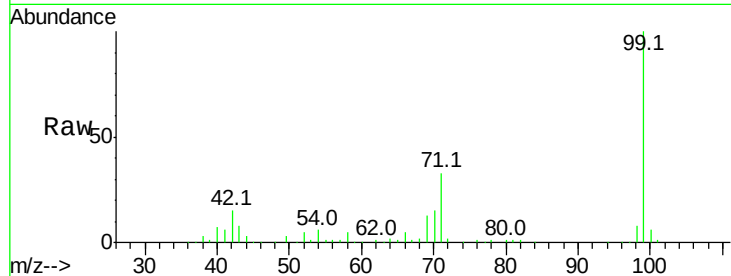
ClientSampleId :

SB-12-COMPDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		209229		
42	15.2	13.5	20.3		
71	33.3	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

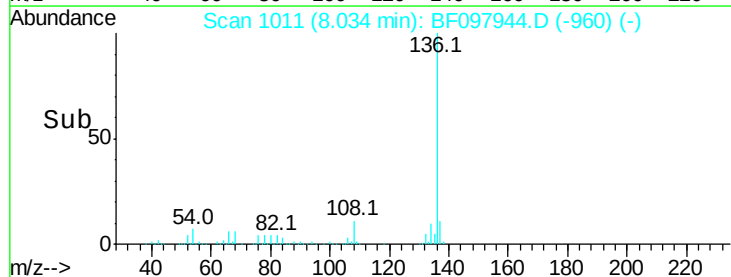
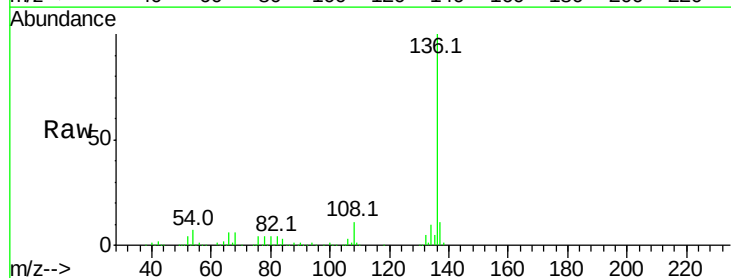
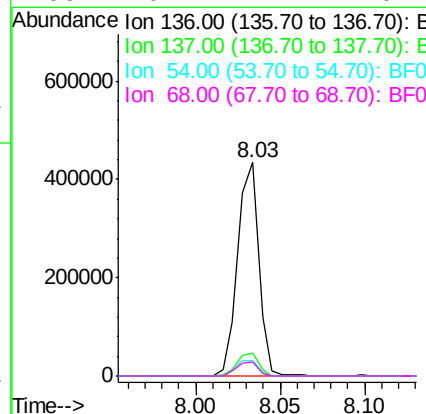
RT: 8.03 min Scan# 1011

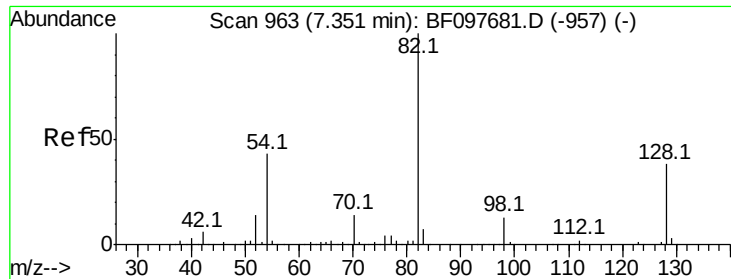
Delta R.T. 0.00 min

Lab File: BF097944.D

Acq: 22 Aug 2017 9:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		378441		
137	10.8	8.5	12.7		
54	7.2	4.9	7.3		
68	6.4	4.1	6.1#		





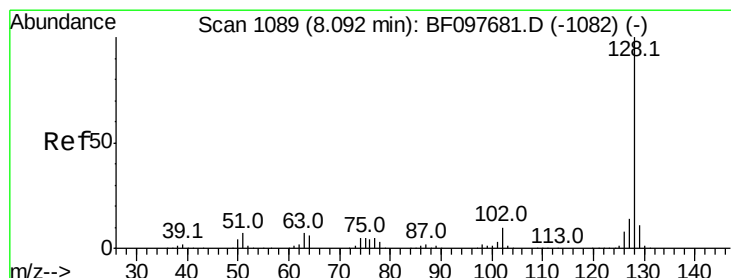
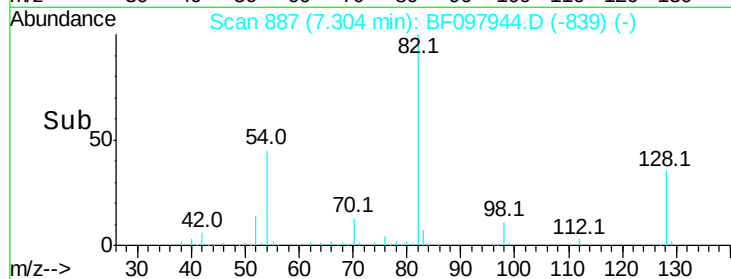
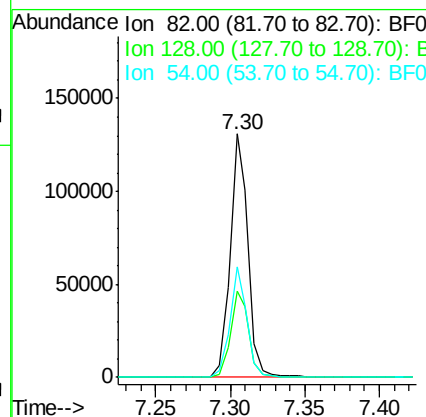
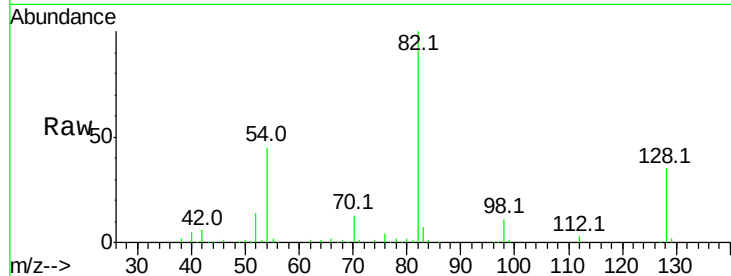
#23
 Nitrobenzene-d5
 Concen: 15.969 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMPDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.4	34.0	51.0
54	45.4	42.2	63.2

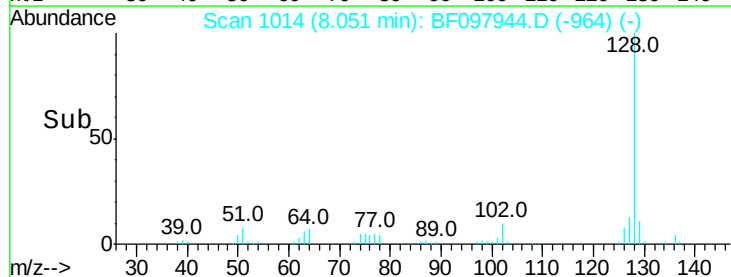
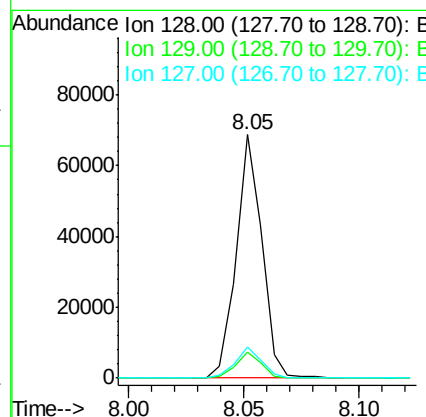
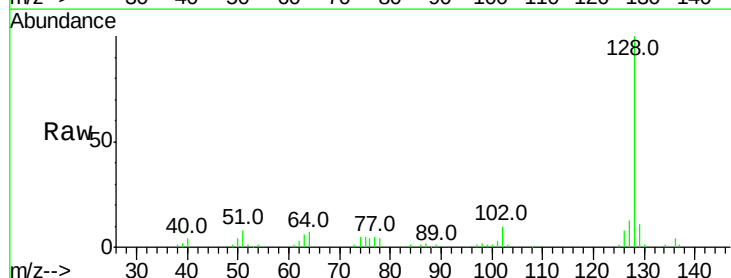
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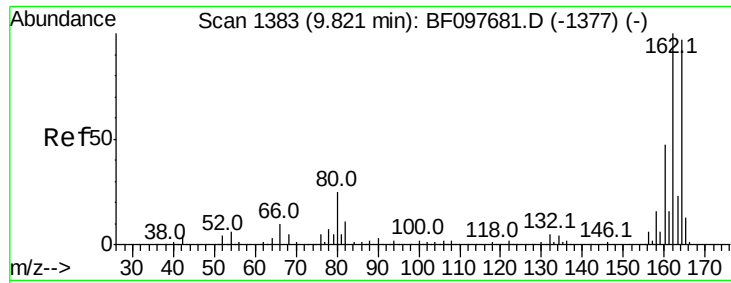
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#31
 Naphthalene
 Concen: 2.699 ng
 RT: 8.05 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.0	13.6
127	13.0	10.8	16.2





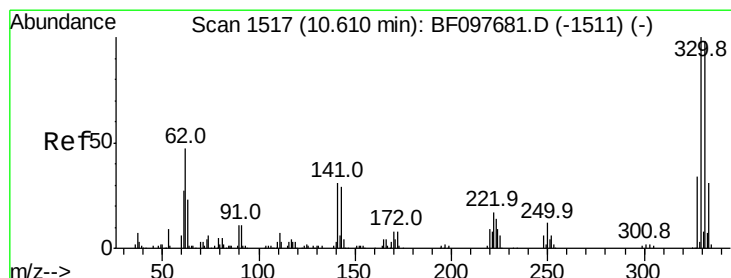
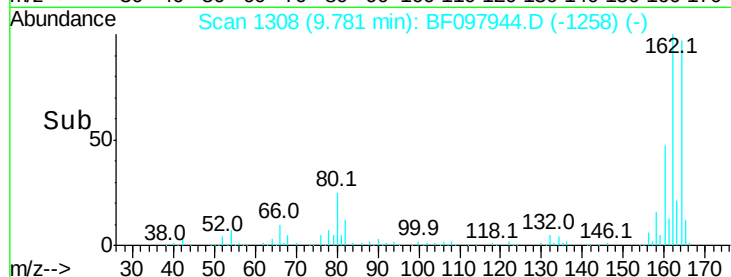
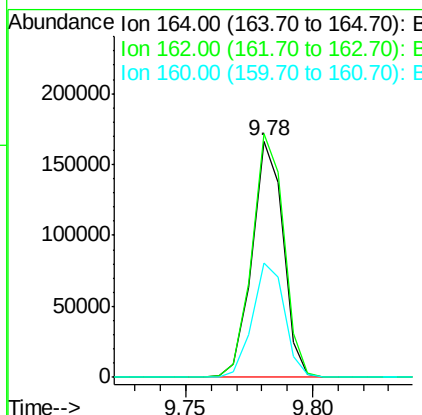
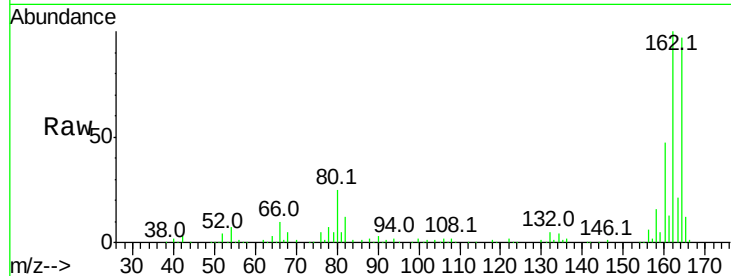
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMPDL

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	123.8
160	48.6	36.2	54.2

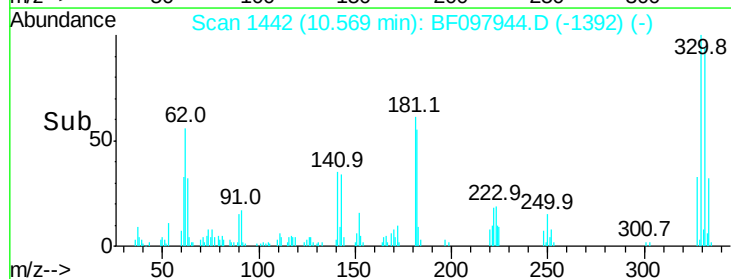
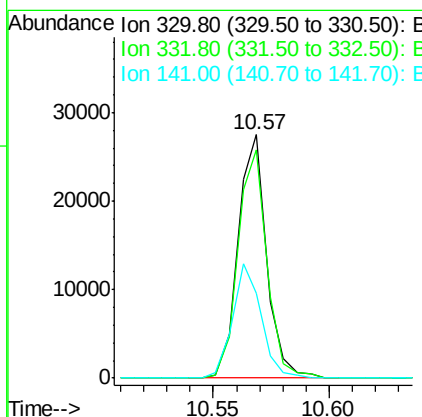
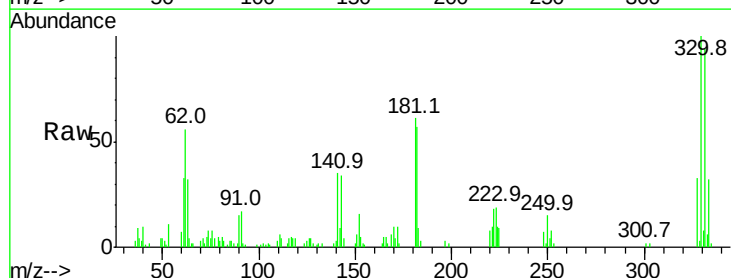
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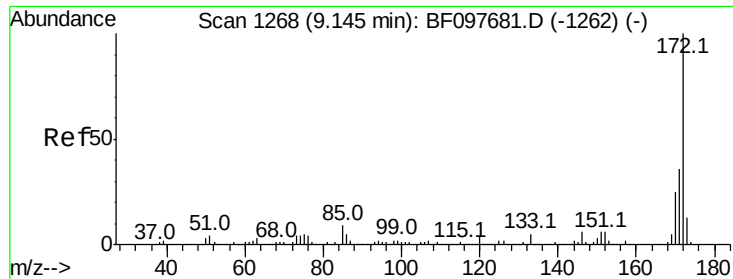
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#41
 2,4,6-Tribromophenol
 Concen: 19.138 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.6	115.0
141	46.9	31.4	47.2





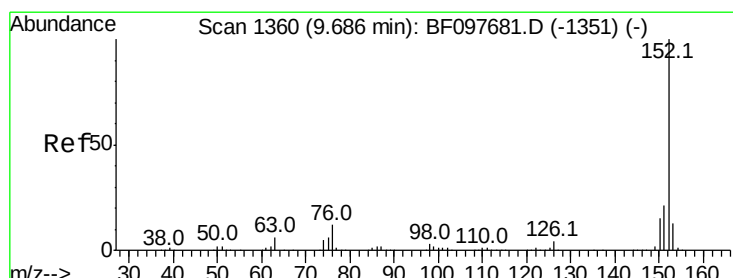
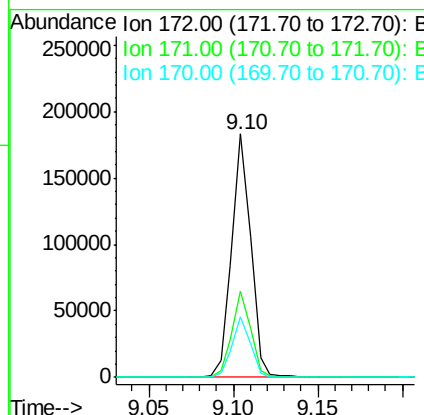
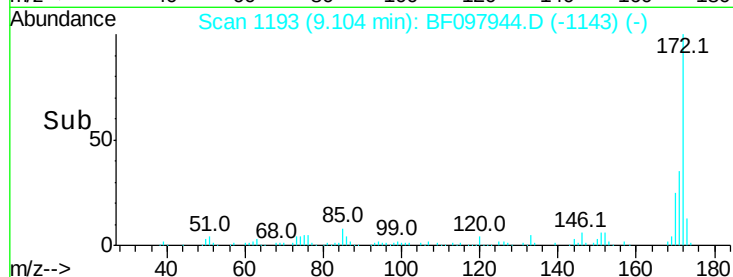
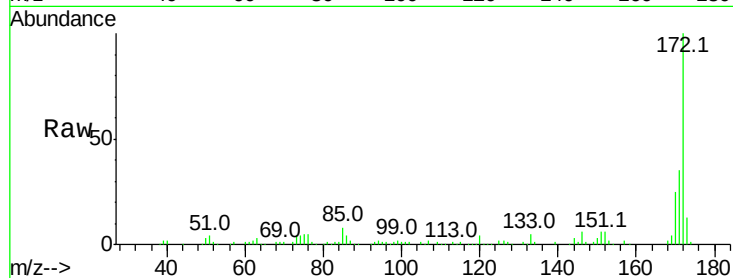
#44
 2-Fluorobiphenyl
 Concen: 14.841 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMPDL

Tot Ion:	172	Resp:	144275
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.6	44.4
170	24.8	19.8	29.8

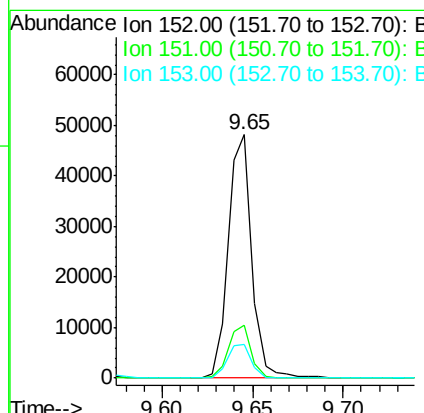
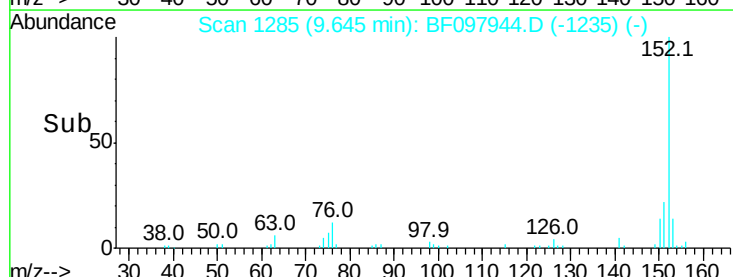
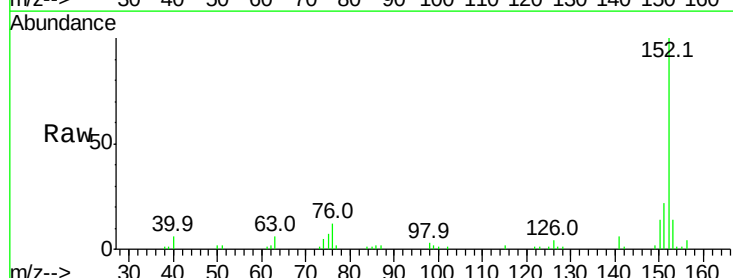
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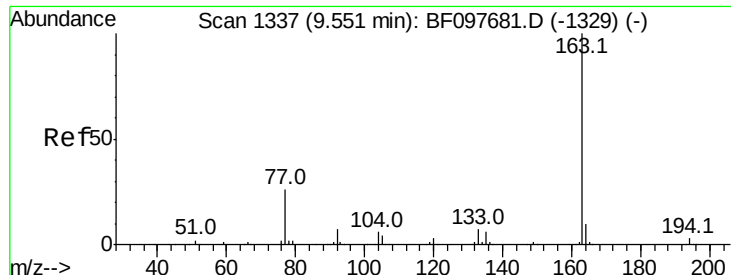
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#48
 Acenaphthylene
 Concen: 2.877 ng
 RT: 9.65 min Scan# 1285
 Delta R.T. -0.01 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Tgt Ion:	152	Resp:	43472
Ion Ratio	Lower	Upper	
152	100		
151	21.5	16.8	25.2
153	13.7	10.8	16.2





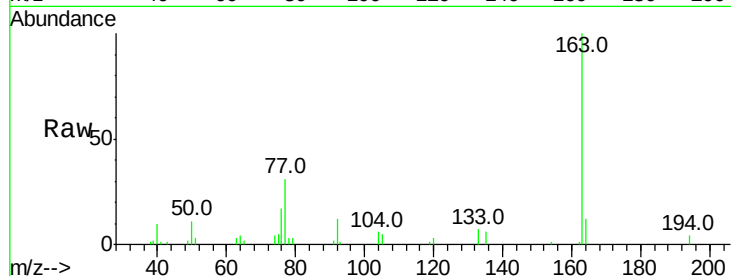
#49
 Dimethylphthalate
 Concen: 2.107 ng
 RT: 9.50 min Scan# 1260
 Delta R.T. -0.02 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMPDL

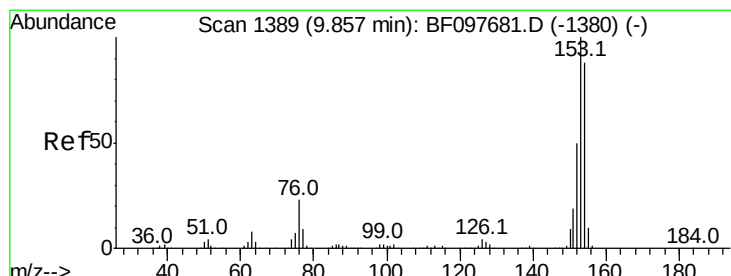
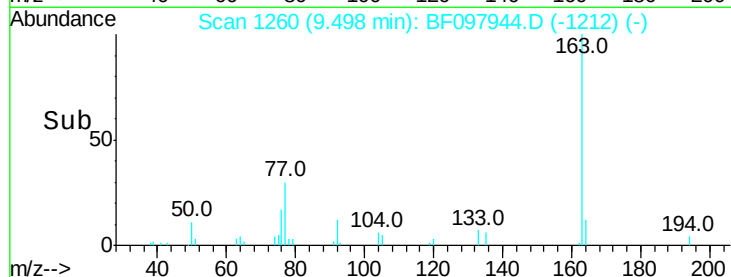
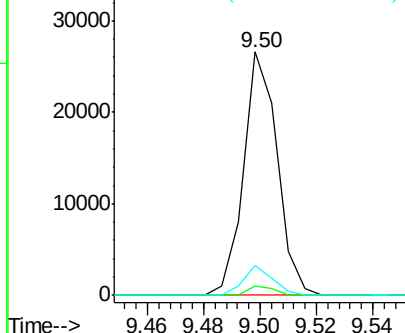
Tot Ion:	163	Resp:	21997
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.6	4.0#
164	12.2	8.4	12.6

Manual Integrations
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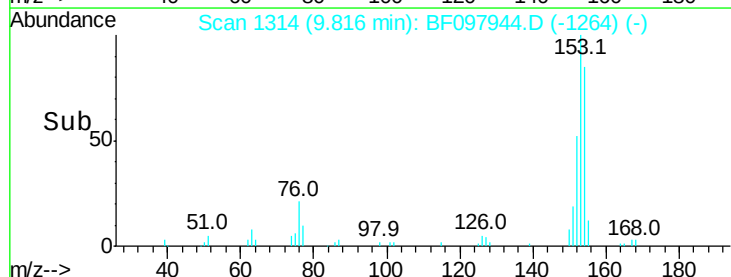
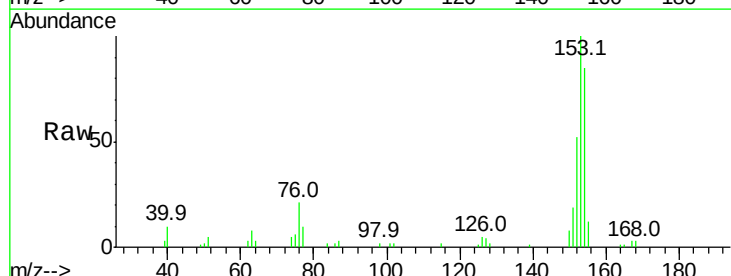
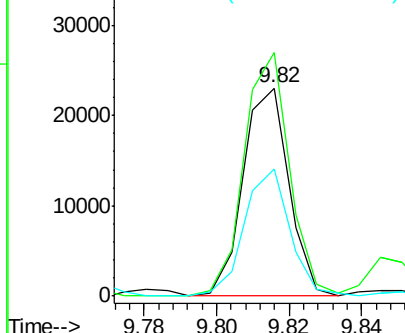
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

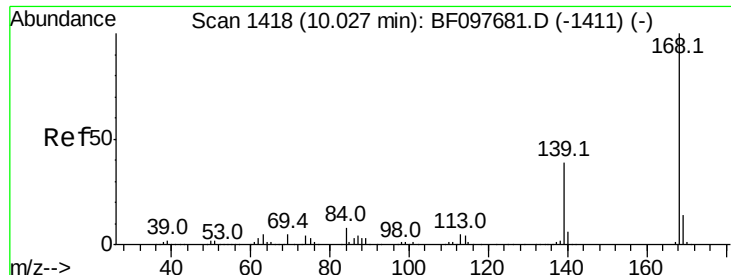


#51
 Acenaphthene
 Concen: 2.115 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Tgt Ion:	154	Resp:	20157
Ion Ratio	Lower	Upper	
154	100		
153	117.2	90.5	135.7
152	61.1	43.6	65.4

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





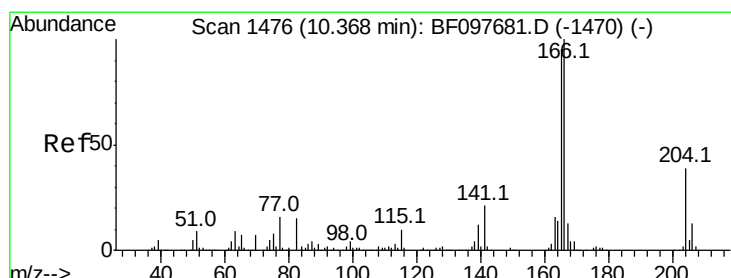
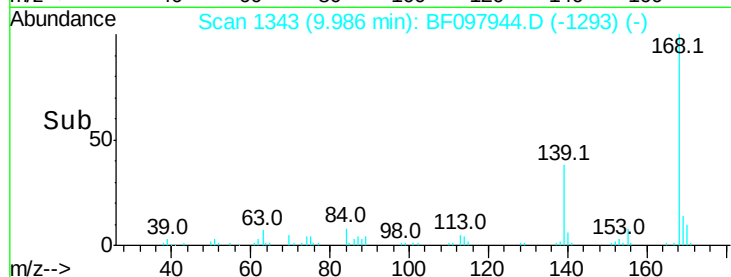
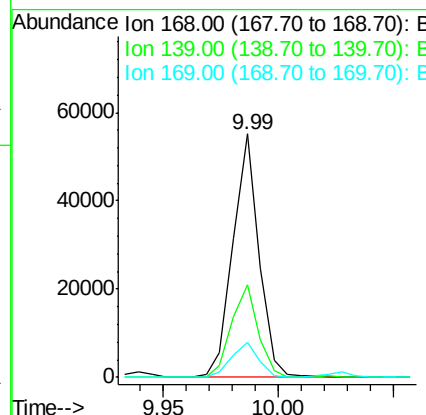
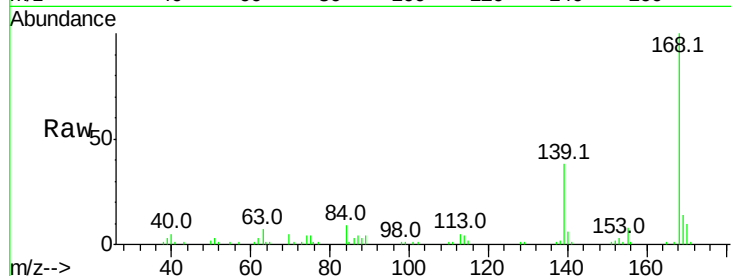
#54
Dibenzenofuran
Concen: 3.397 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Instrument :
BNA_F
ClientSampleId :
SB-12-COMPDL

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.3	30.6	45.8
169	14.3	10.8	16.2

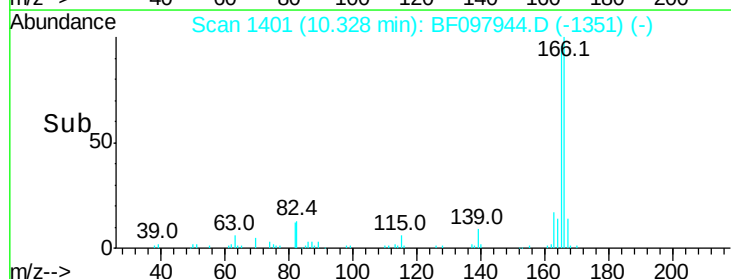
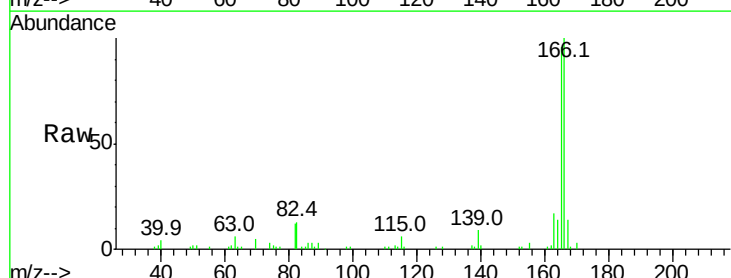
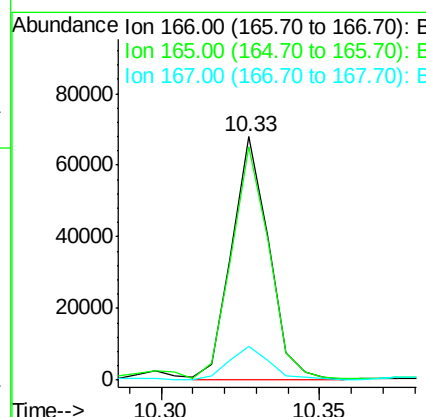
Manual Integrations
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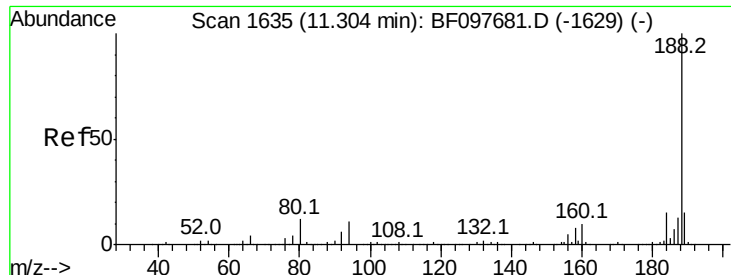
Sohil
8/22/2017 5:45:38 PM



#57
Fluorene
Concen: 5.599 ng
RT: 10.33 min Scan# 1401
Delta R.T. -0.01 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.8	78.8	118.2
167	13.6	10.6	16.0





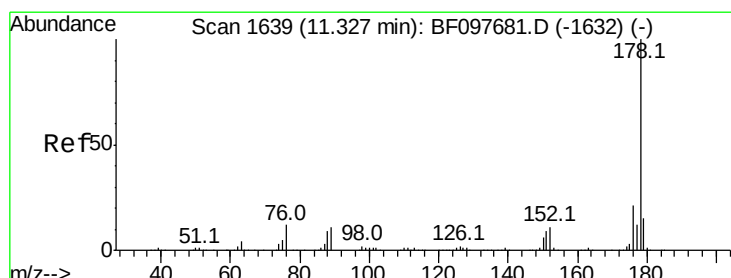
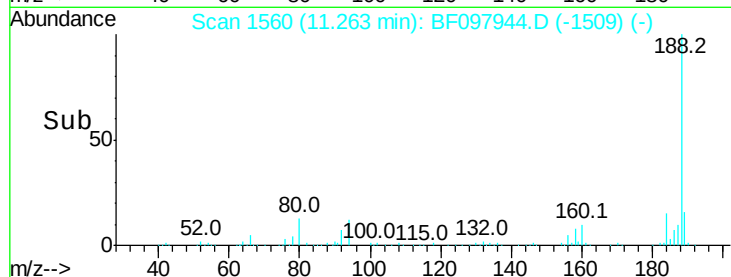
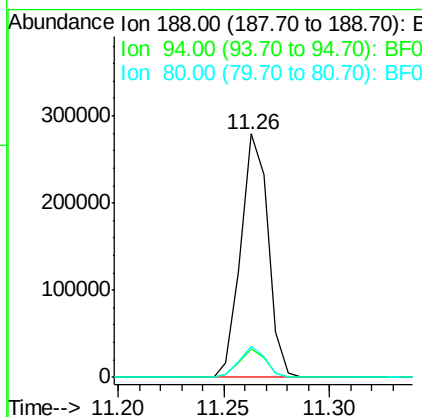
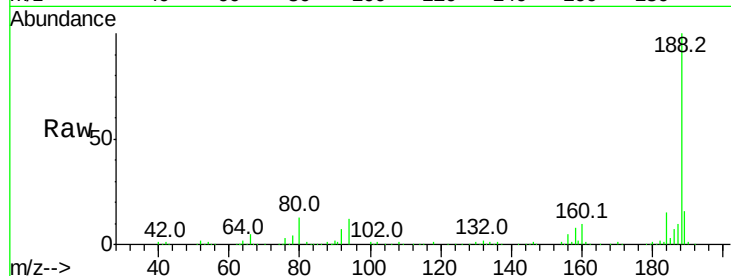
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Instrument :
BNA_F
ClientSampleId :
SB-12-COMPDL

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.7	9.4	14.2
80	13.0	10.2	15.2

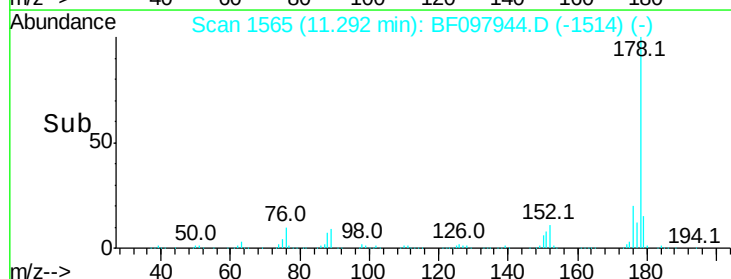
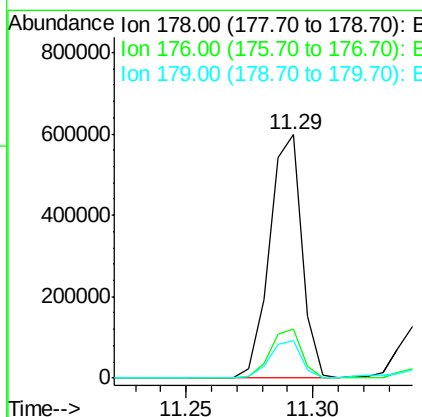
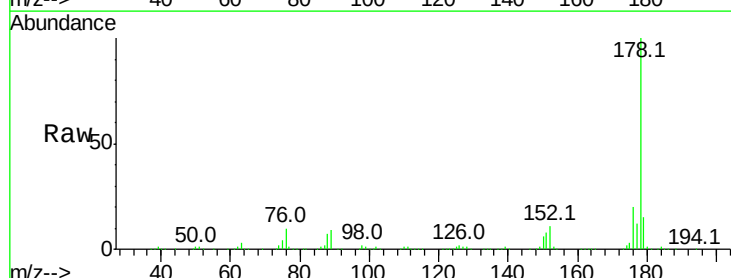
Manual Integrations
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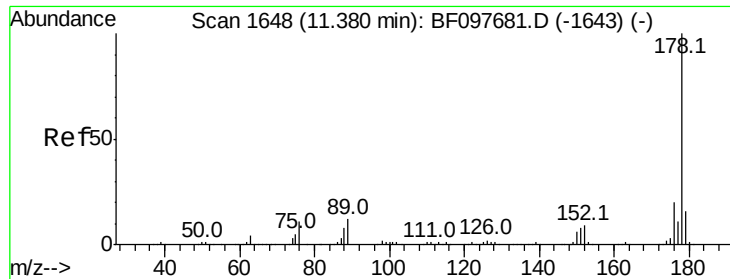
Sohil
8/22/2017 5:45:38 PM



#70
Phenanthrene
Concen: 40.198 ng
RT: 11.29 min Scan# 1565
Delta R.T. 0.00 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.1	16.2	24.4
179	15.2	12.6	19.0





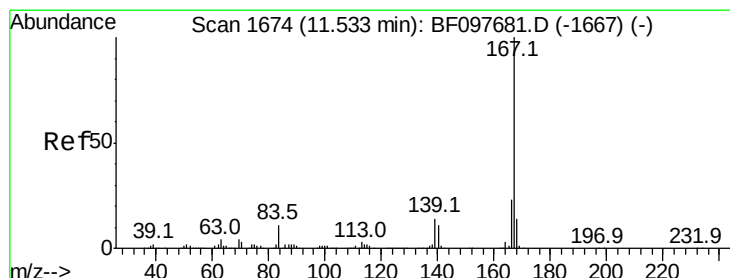
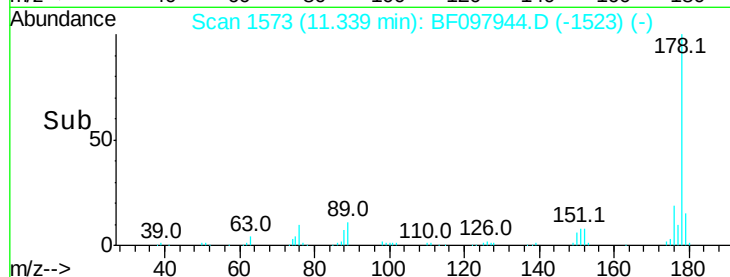
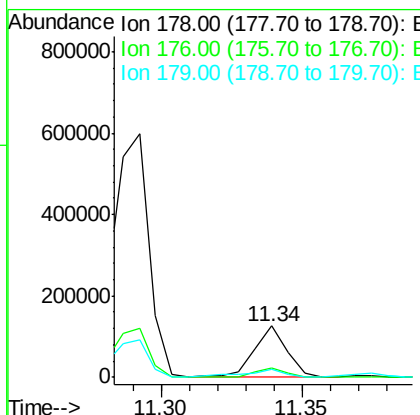
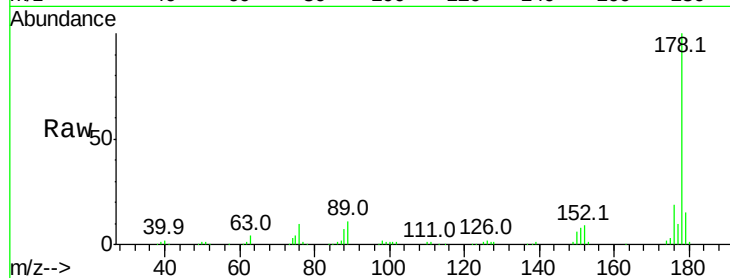
#71
 Anthracene
 Concen: 7.218 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.2	12.7	19.1

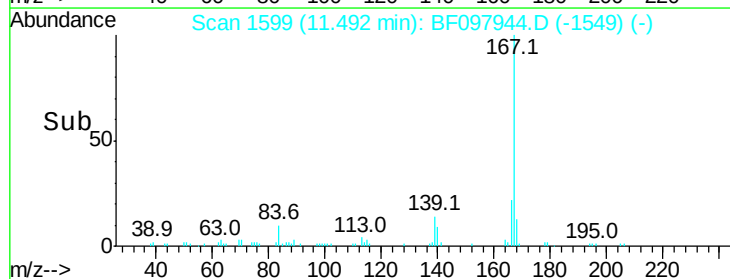
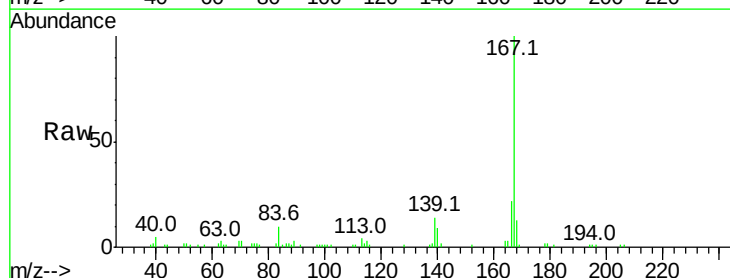
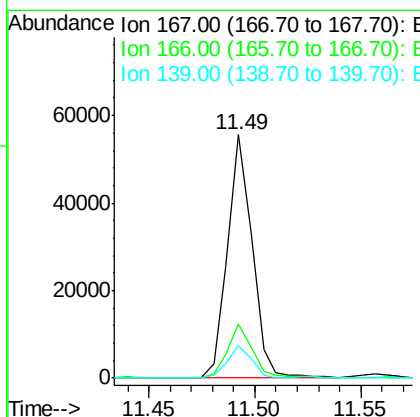
Manual Integrations
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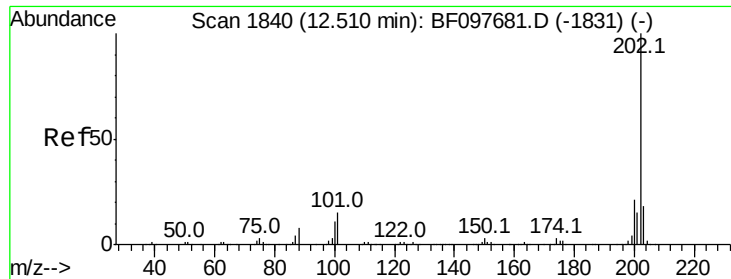
Sohil
 8/22/2017 5:45:38 PM



#72
 Carbazole
 Concen: 3.494 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.1	27.1
139	13.5	11.7	17.5





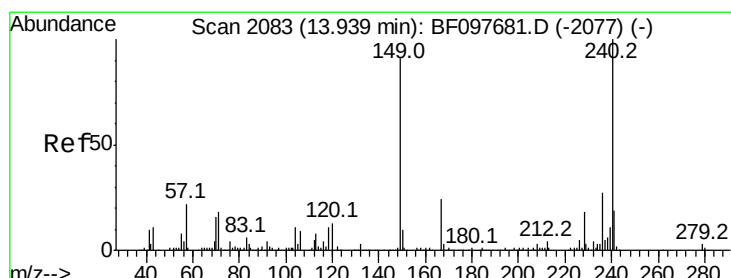
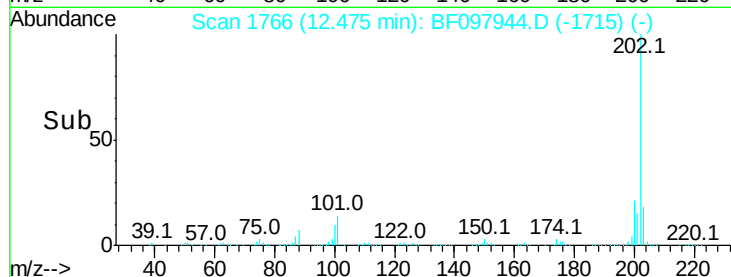
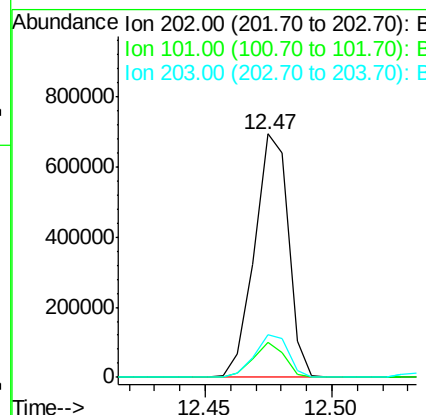
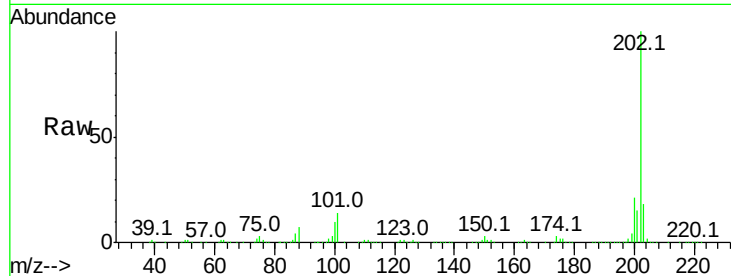
#74
Fluoranthene
Concen: 46.565 ng
RT: 12.47 min Scan# 1766
Delta R.T. 0.00 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Instrument :
BNA_F
ClientSampleId :
SB-12-COMPDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.4	0.0	33.2
203	17.8	0.0	38.1

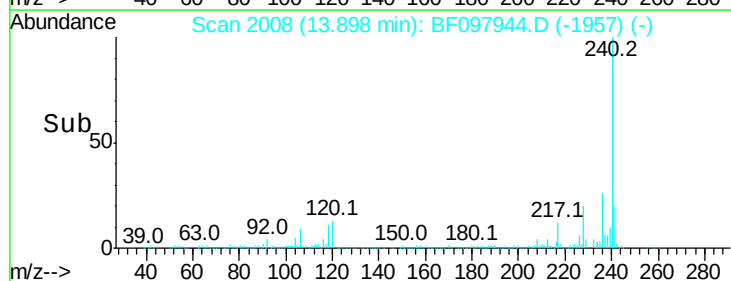
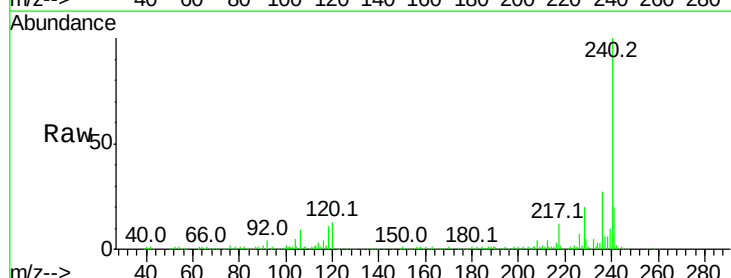
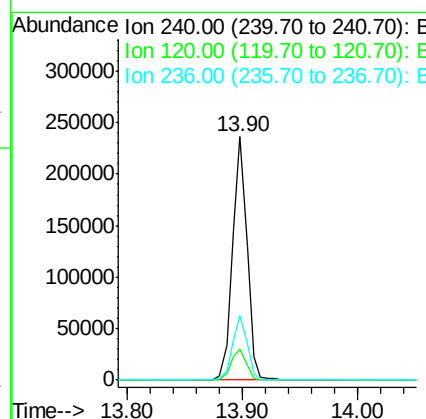
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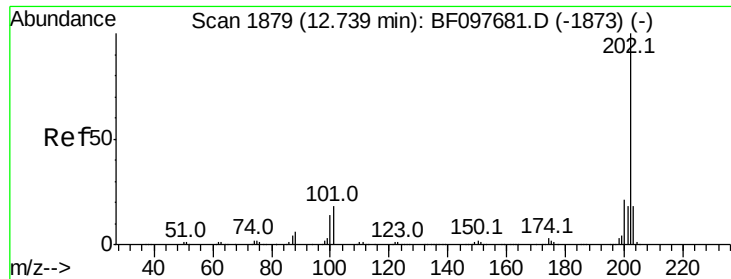
Sohil
8/22/2017 5:45:38 PM



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	5.8	8.8#
236	26.5	20.5	30.7





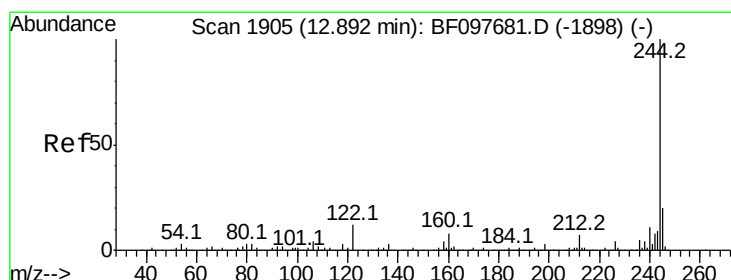
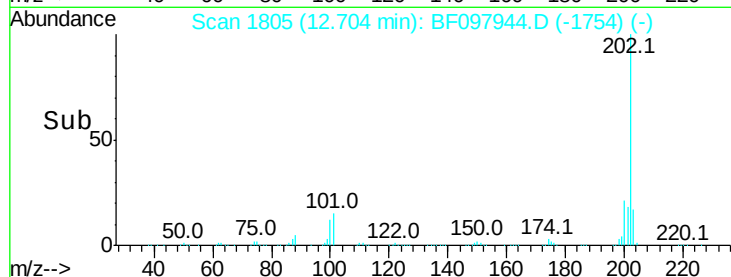
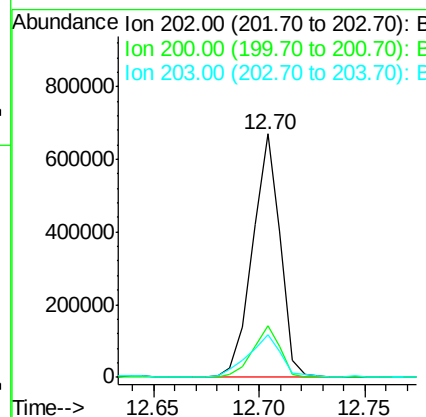
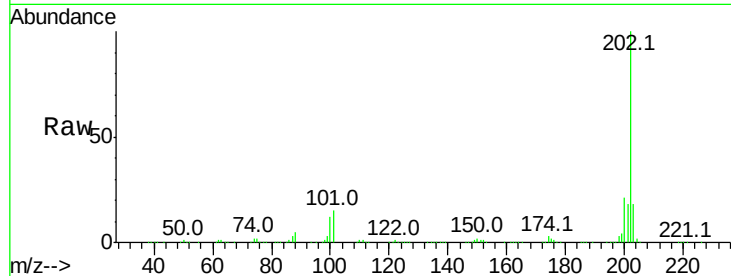
#77
Pvrene
Concen: 36.146 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Instrument :
BNA_F
ClientSampleId :
SB-12-COMPDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.6	26.4
203	17.6	14.4	21.6

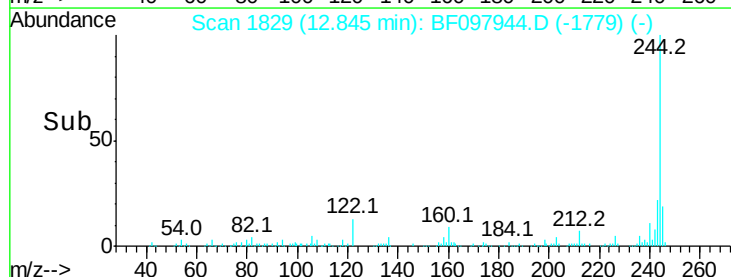
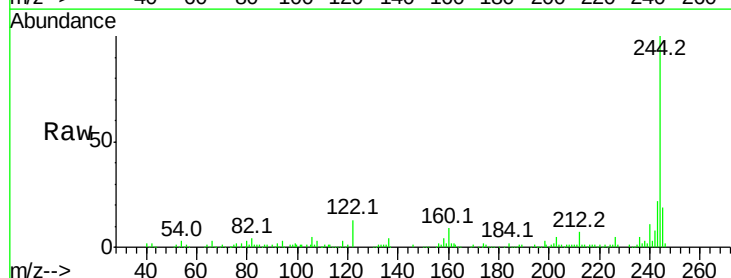
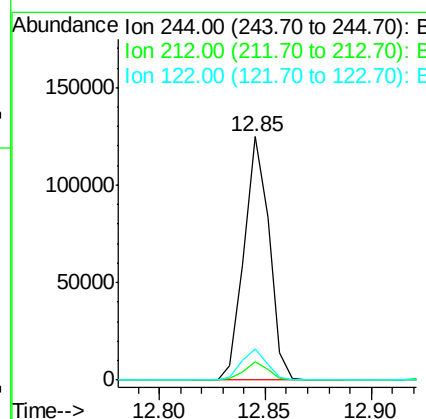
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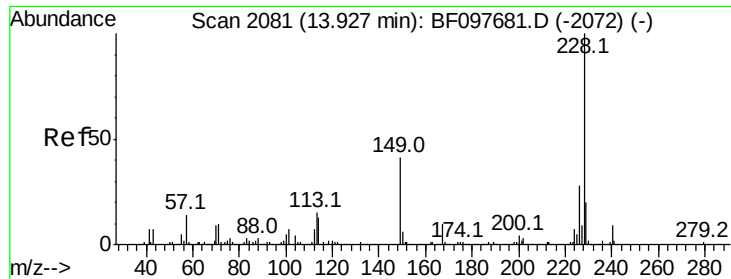
Sohil
8/22/2017 5:45:38 PM



#78
Terphenyl-d14
Concen: 10.449 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	12.6	10.3	15.5





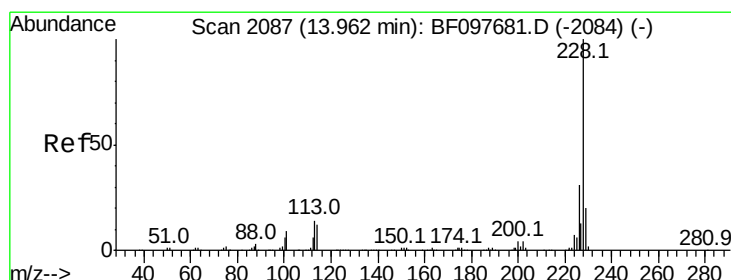
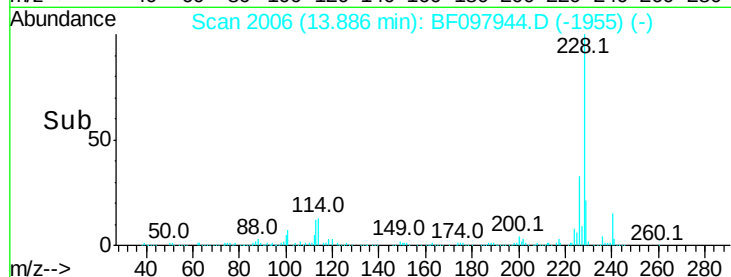
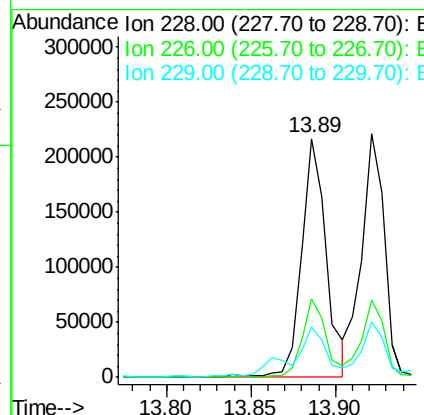
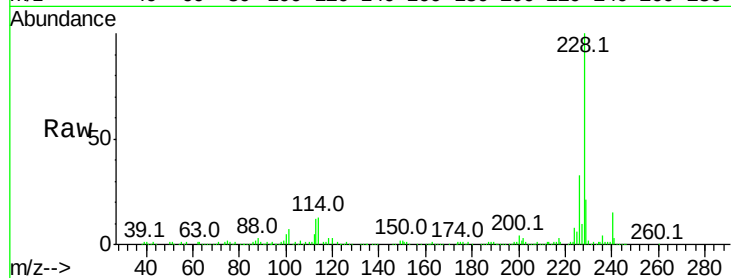
#80
Benzo(a)anthracene
Concen: 17.960 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Instrument :
BNA_F
ClientSampleId :
SB-12-COMPDL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	220365		
226	32.9		22.6	33.8
229	21.1		16.3	24.5

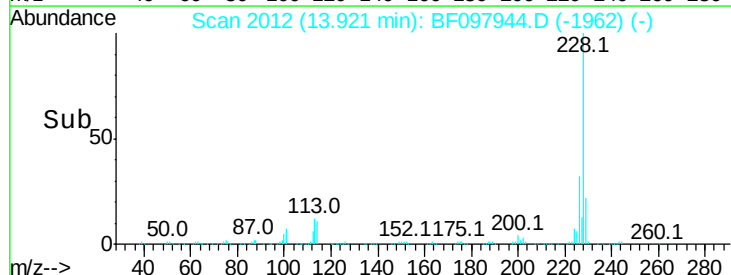
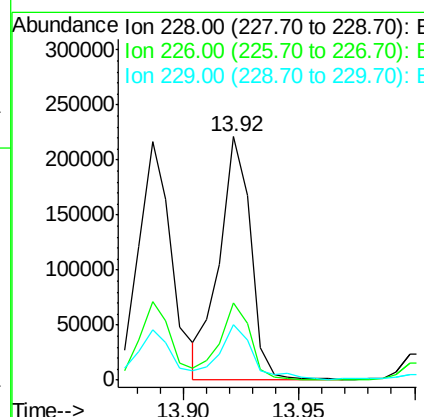
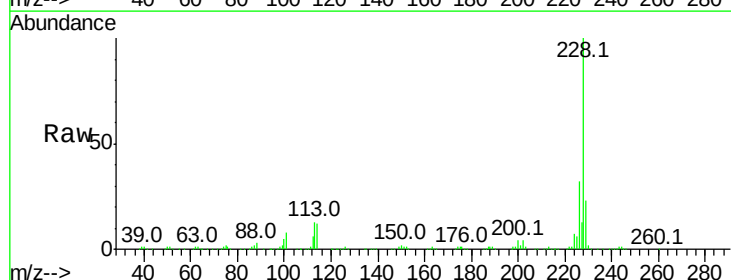
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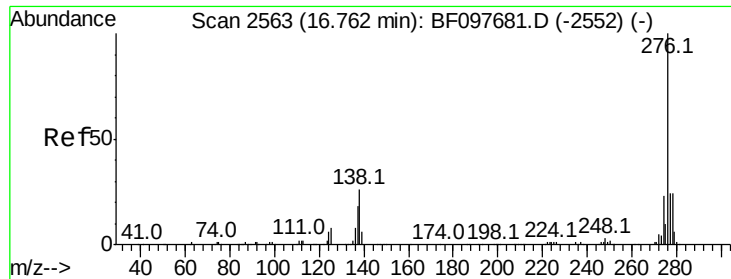
Sohil
8/22/2017 5:45:38 PM



#82
Chrysene
Concen: 16.944 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	206822		
226	31.8		24.9	37.3
229	22.7		15.8	23.6





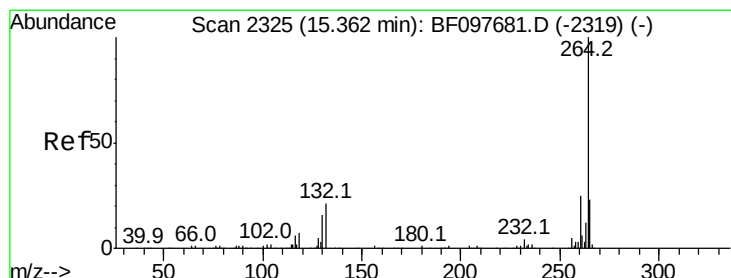
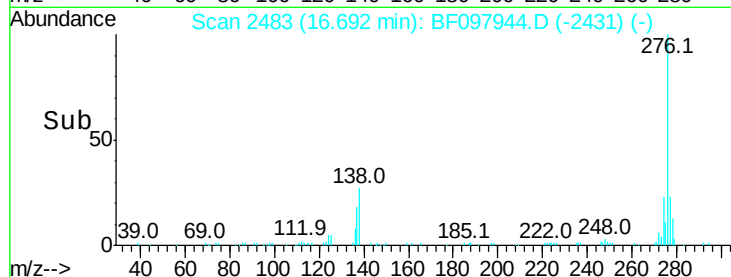
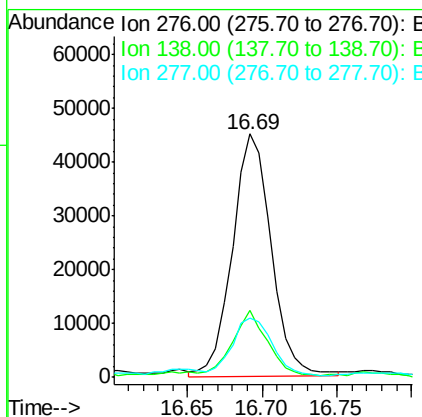
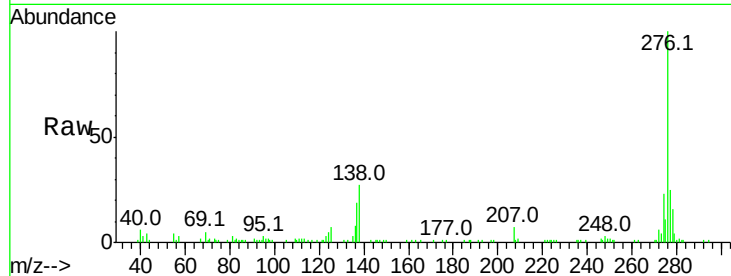
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.077 ng
 RT: 16.69 min Scan# 2483
 Delta R.T. 0.01 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMPDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.9	27.8	41.6#
277	24.5	20.2	30.4

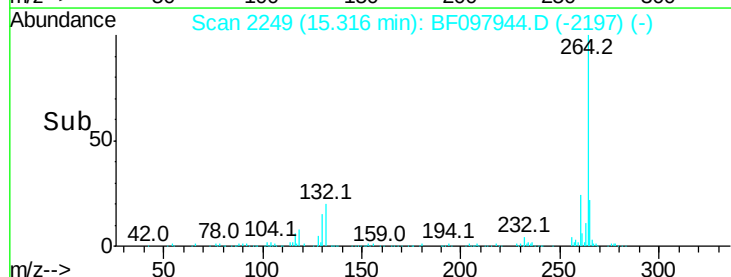
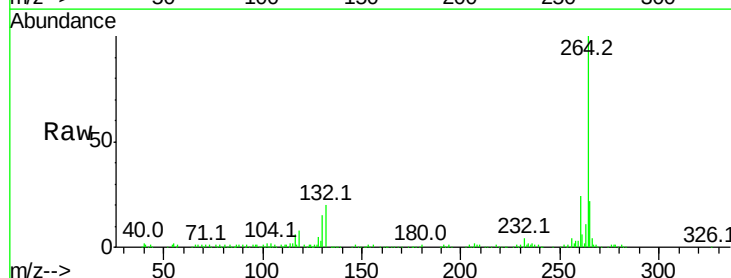
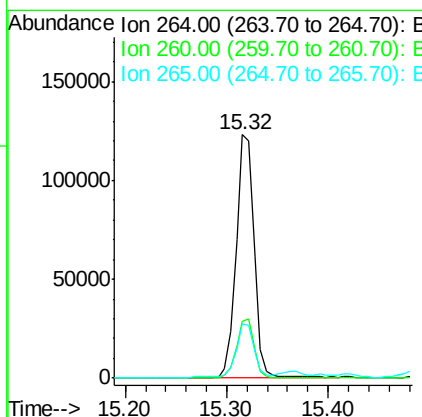
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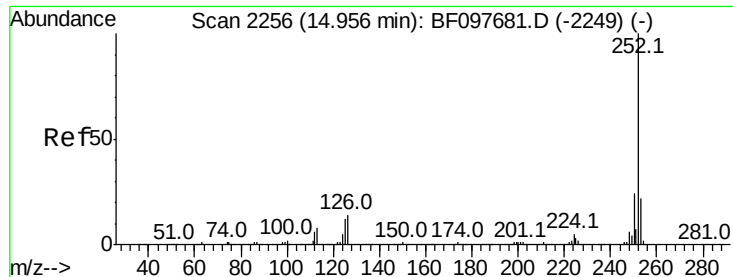
Sohil
 8/22/2017 5:45:38 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.32 min Scan# 2249
 Delta R.T. 0.01 min
 Lab File: BF097944.D
 Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.2	17.2	25.8





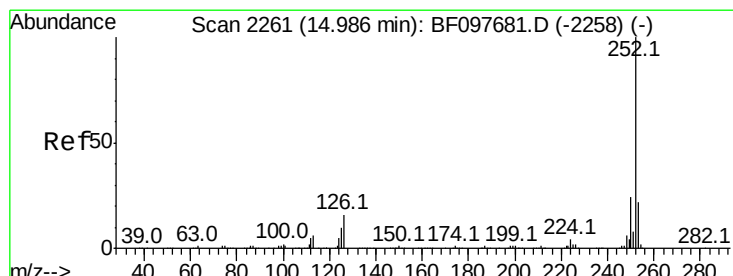
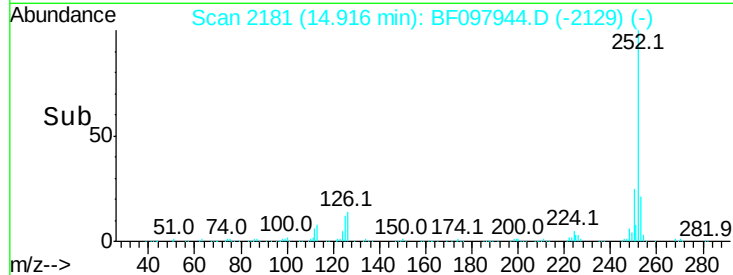
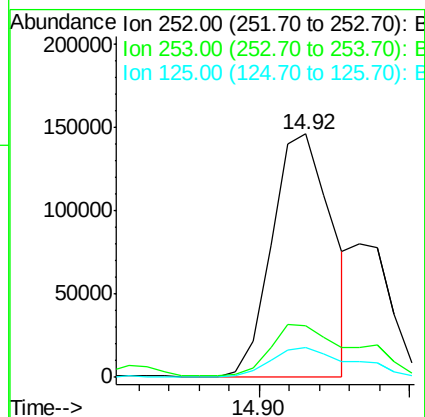
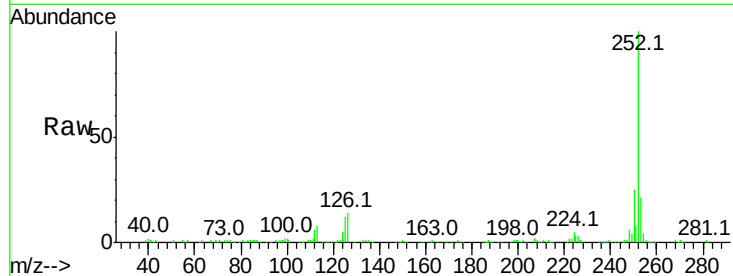
#87
Benzo(b)fluoranthene
Concen: 21.194 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Instrument :
BNA_F
ClientSampleId :
SB-12-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	12.2	9.8	14.8

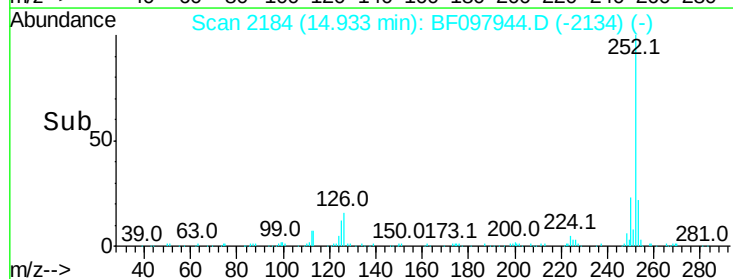
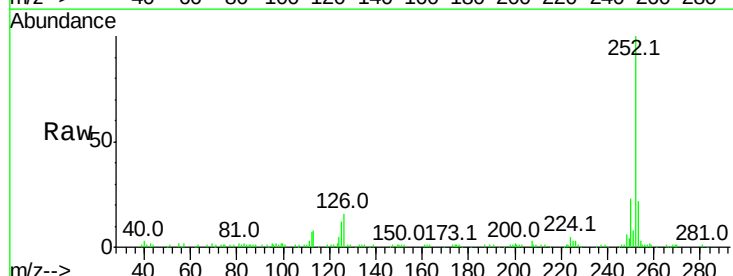
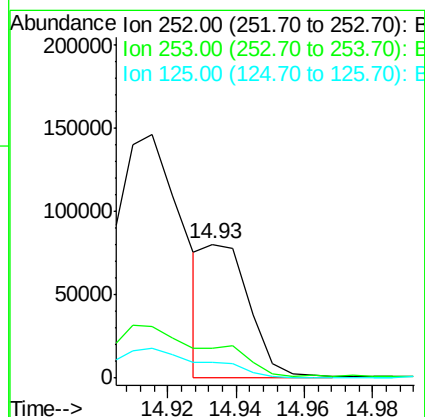
Manual Integrations
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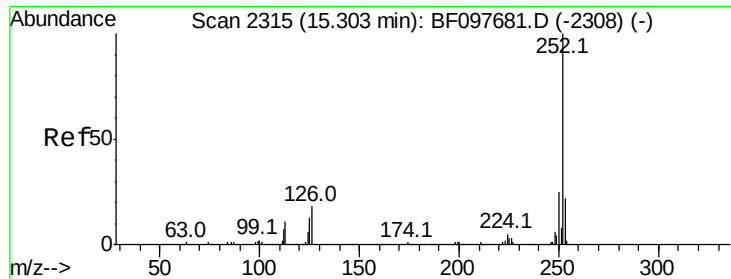
Sohil
8/22/2017 5:45:38 PM



#88
Benzo(k)fluoranthene
Concen: 8.239 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	12.1	13.1	19.7#





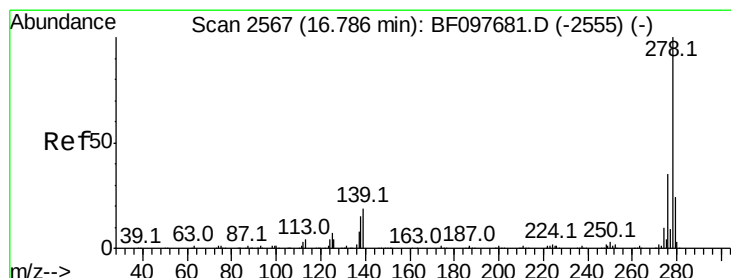
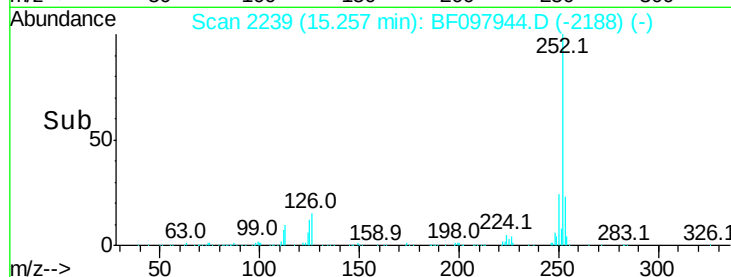
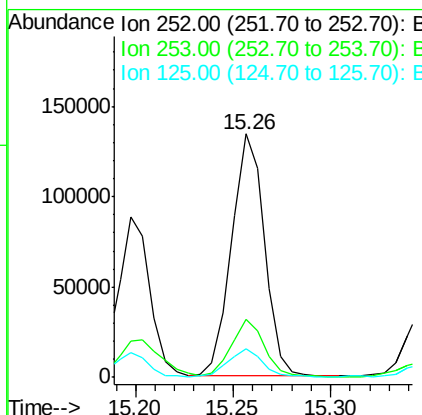
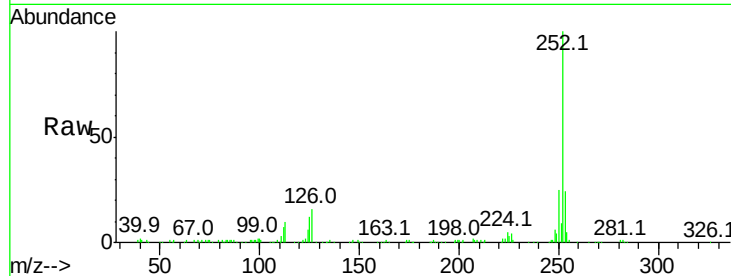
#89
Benzo(a)pyrene
Concen: 18.443 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.00 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Instrument :
BNA_F
ClientSampled :
SB-12-COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	11.8	11.0	16.4

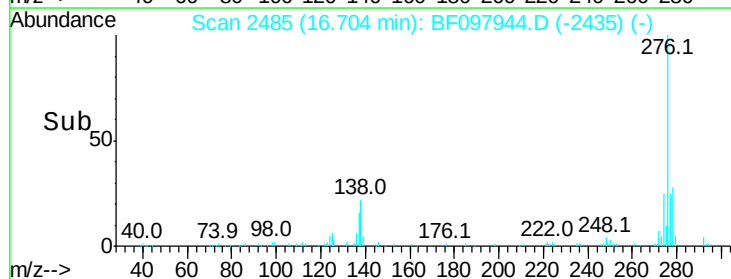
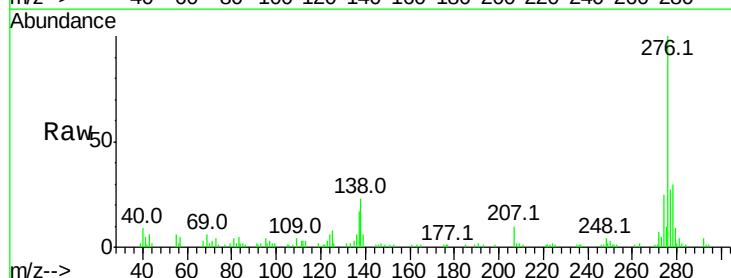
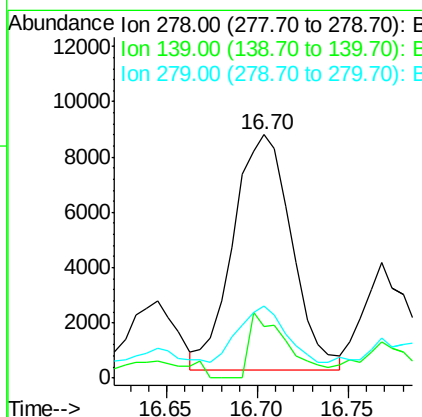
Manual Integrations
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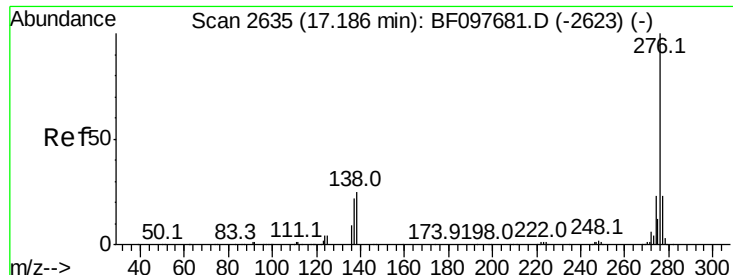
Sohil
8/22/2017 5:45:38 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.741 ng m
RT: 16.70 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF097944.D
Acq: 22 Aug 2017 9:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.3	16.6	24.8
279	29.8	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 11.122 ng/ml

RT: 17.11 min Scan# 2554

Delta R.T. 0.00 min

Lab File: BF097944.D

Acq: 22 Aug 2017 9:54

Instrument :

BNA_F

ClientSampleId :

SB-12-COMPDL

Tot Ion:	276	Resp:	80400
Ion Ratio		Lower	Upper
276	100		
277	24.1	18.6	28.0
138	25.0	25.4	38.0

Manual Integrations
APPROVED

Sohil
8/22/2017 5:45:38 PM

