

Data Path : U:\HPCHEM1\BNA F\DATA\BF082217\
 Data File : BF097974.D
 Acq On : 23 Aug 2017 00:52
 Operator : SJ/JU
 Sample : I4910-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5-6

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:03:52 PM

Quant Time: Aug 23 02:21:09 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	134853	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	502444	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	207912	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	334722	20.00	ng	0.00
75) Chrysene-d12	13.90	240	277217	20.00	ng	0.00
86) Perylene-d12	15.32	264	253260	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1015054	114.49	ng	0.01
7) Phenol-d6	6.39	99	1359159	112.83	ng	0.00
23) Nitrobenzene-d5	7.32	82	861959	93.20	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	187660	104.03	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1165351	82.35	ng	0.00
78) Terphenyl-d14	12.85	244	767196	57.71	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.40	94	34418	2.443	ng	85
31) Naphthalene	8.05	128	293762	11.262	ng	99
37) 2-Methylnaphthalene	8.74	142	80465	5.032	ng	96
48) Acenaphthylene	9.65	152	61411	2.792	ng	98
49) Dimethylphthalate	9.50	163	215290	14.166	ng	98
51) Acenaphthene	9.82	154	39515	2.848	ng	95
54) Dibenzofuran	9.99	168	62803	3.377	ng	98
57) Fluorene	10.33	166	66104	4.598	ng	95
70) Phenanthrene	11.29	178	275132	15.425	ng	98
71) Anthracene	11.34	178	101879	5.632	ng	98
72) Carbazole	11.49	167	35073	2.042	ng	98
74) Fluoranthene	12.47	202	316925	17.023	ng	99
77) Pvrene	12.70	202	370969	16.362	ng	97
80) Benzo(a)anthracene	13.89	228	199801m	12.026	ng	
82) Chrysene	13.92	228	176338	10.669	ng	97
85) Indeno(1,2,3-cd)pyrene	16.70	276	98790m	8.125	ng	
87) Benzo(b)fluoranthene	14.92	252	270326m	16.934	ng	
88) Benzo(k)fluoranthene	14.94	252	77482m	5.166	ng	
89) Benzo(a)pvrene	15.26	252	206639	14.622	ng	97
90) Dibenzo(a,h)anthracene	16.71	278	27207	2.365	ng	# 88
91) Benzo(g,h,i)perylene	17.12	276	102813	8.564	ng	# 92

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

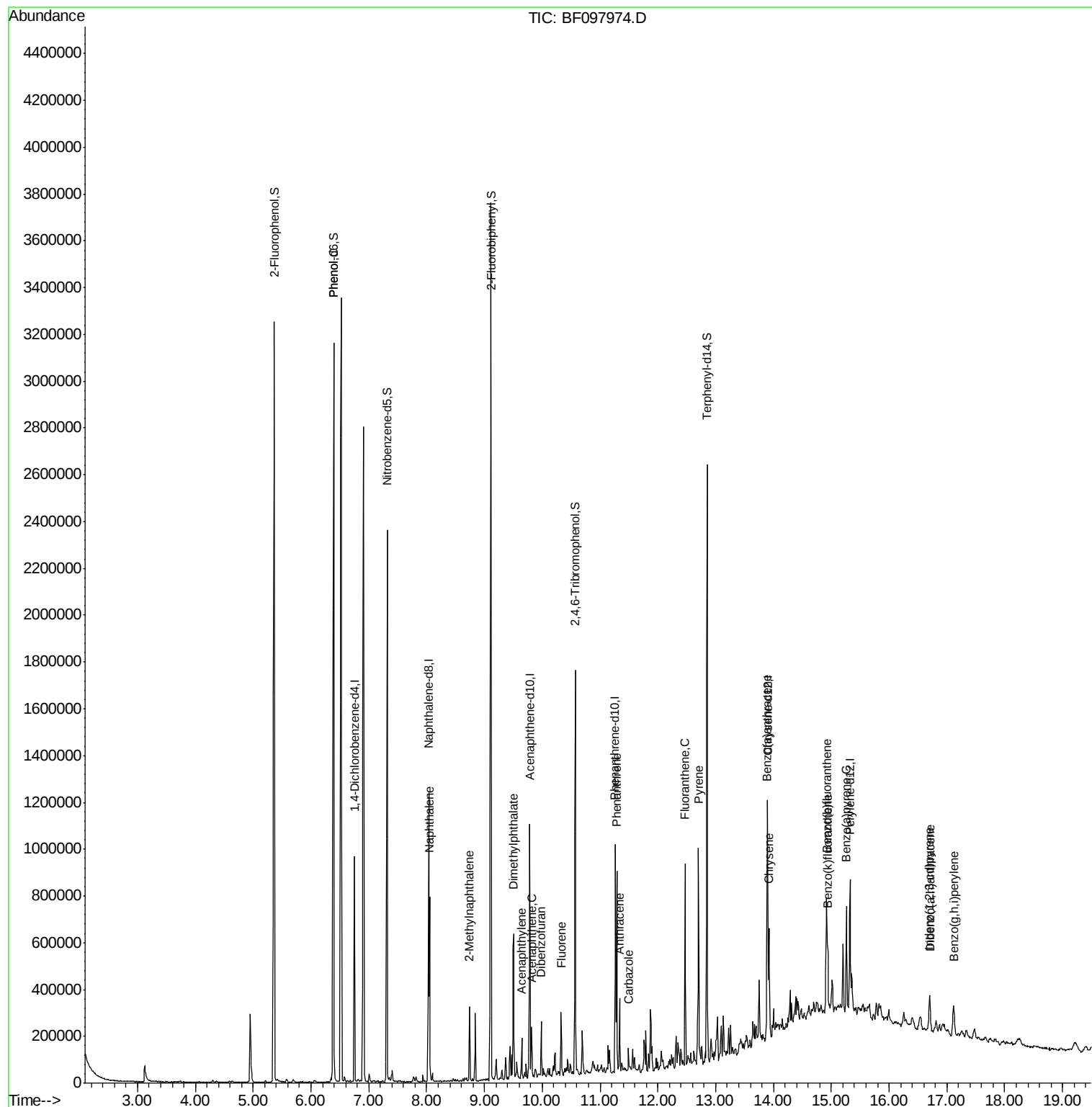
Data Path : U:\HPCHEM1\BNA F\DATA\BF082217\
Data File : BF097974.D
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Sample : I4910-02
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ALS Vial : 18 Sample Multiplier: 1

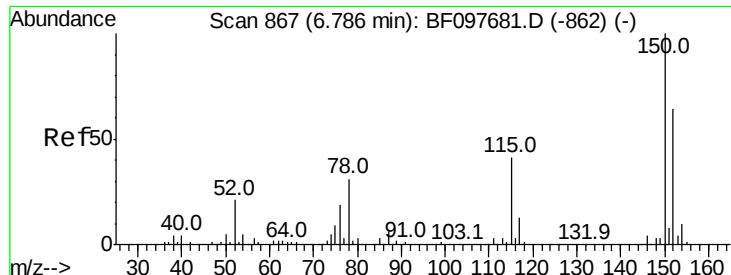
Instrument :
BNA_F
ClientSampleId :
SP-5-6

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Sohil
8/23/2017 3:03:52 PM

Quant Time: Aug 23 02:21:09 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





#1

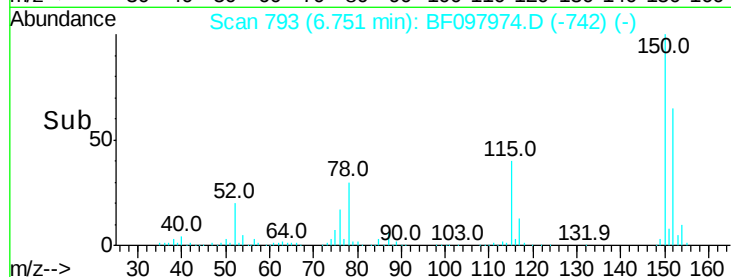
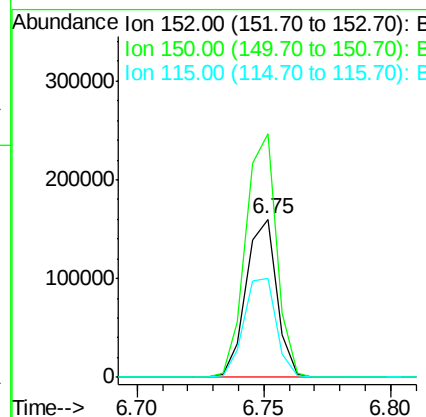
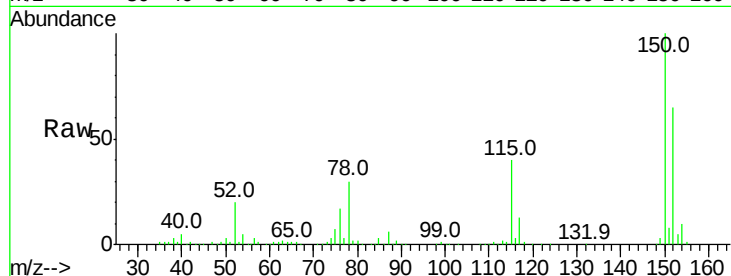
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: BF097974.D
 Acq: 23 Aug 2017 00:52

Instrument :
 BNA_F
 ClientSampleId :
 SP-5-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	62.3	52.2	78.2

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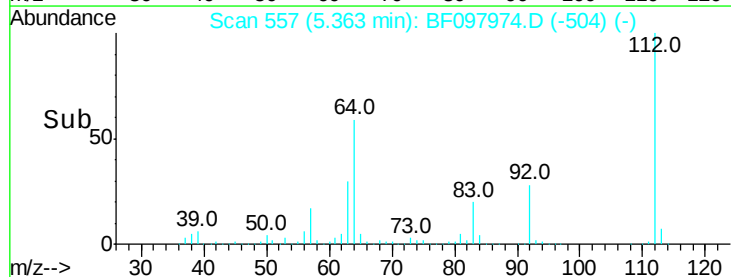
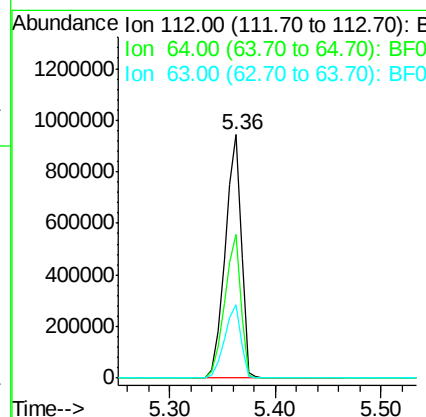
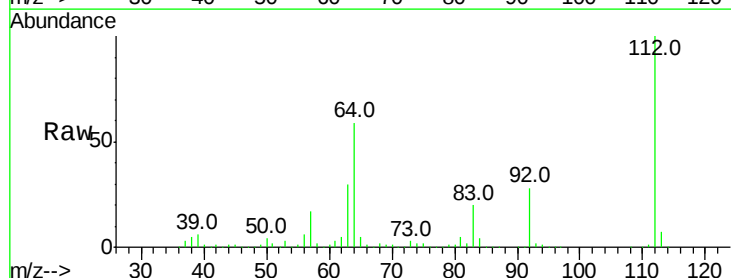
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 8/23/2017 3:03:52 PM

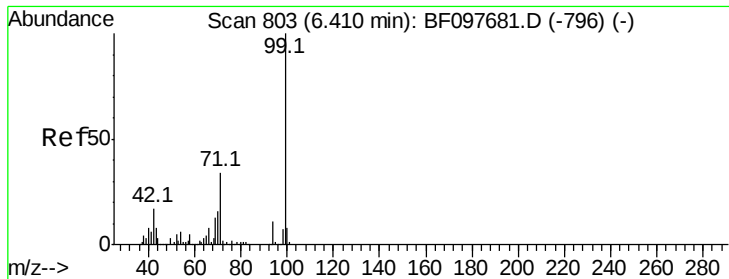


#5

2-Fluorophenol
 Concen: 114.493 ng
 RT: 5.36 min Scan# 557
 Delta R.T. 0.01 min
 Lab File: BF097974.D
 Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	46.0	69.0
63	30.1	23.4	35.0





#7

Phenol-d6

Concen: 112.832 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF097974.D

Acq: 23 Aug 2017 00:52

Instrument :

BNA_F

ClientSampled :

SP-5-6

Tot Ion: 99 Resp: 1359159

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

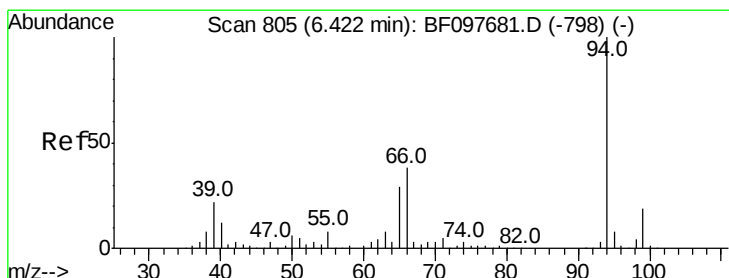
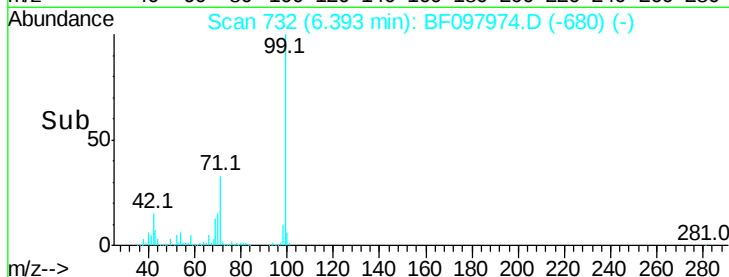
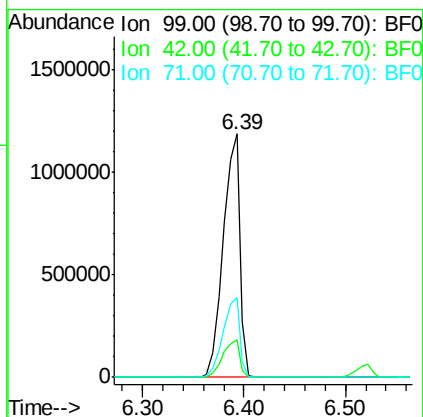
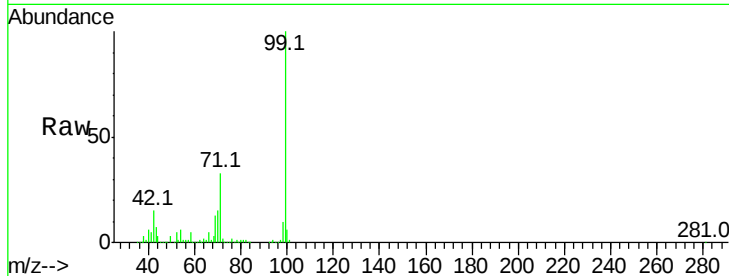
71 32.6 24.5 36.7

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#10

Phenol

Concen: 2.443 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF097974.D

Acq: 23 Aug 2017 00:52

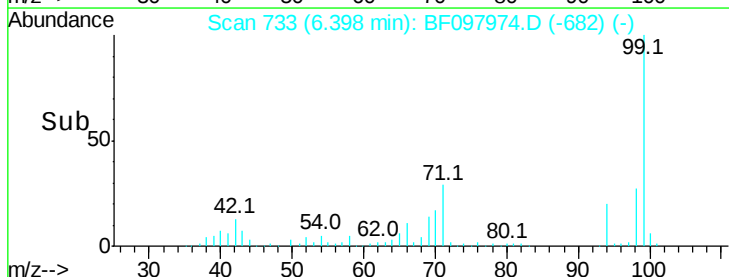
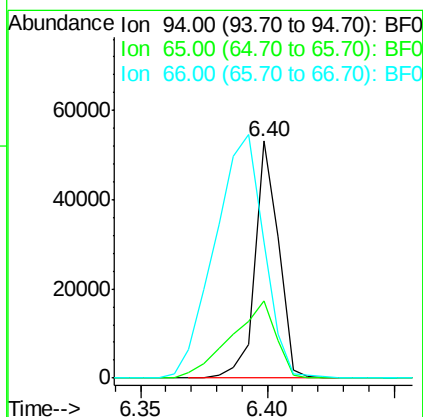
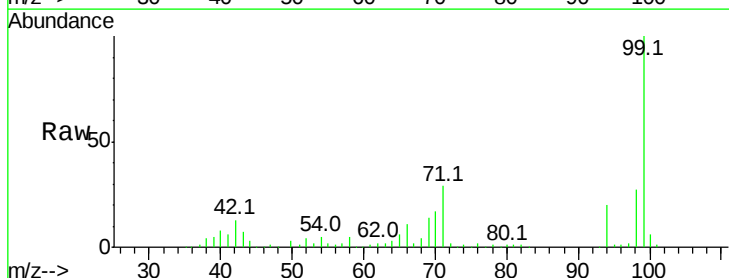
Tgt Ion: 94 Resp: 34418

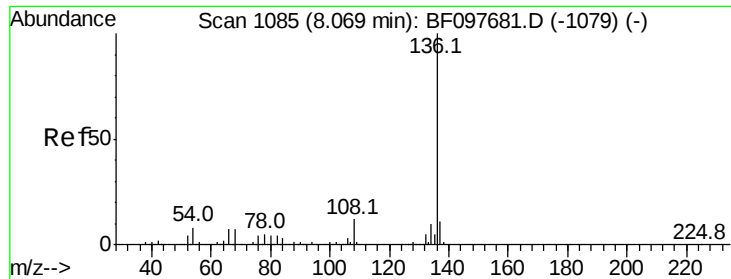
Ion Ratio Lower Upper

94 100

65 32.4 9.9 49.9

66 57.7 23.1 63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097974.D

Acq: 23 Aug 2017 00:52

Instrument :

BNA_F

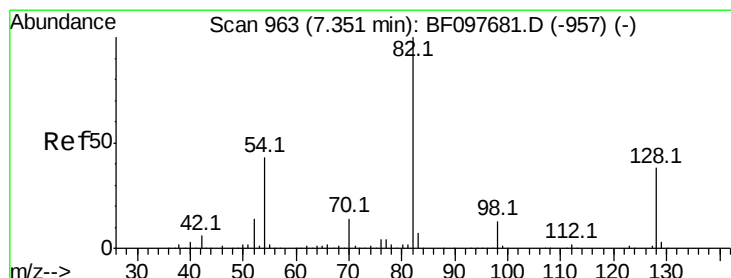
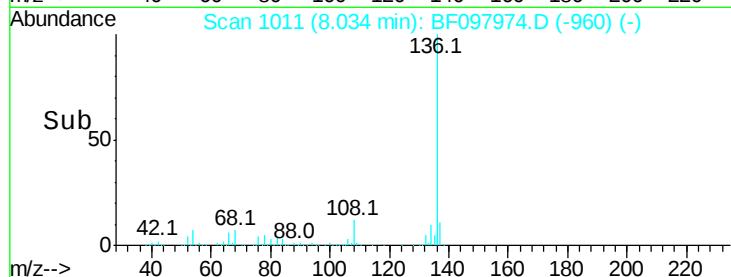
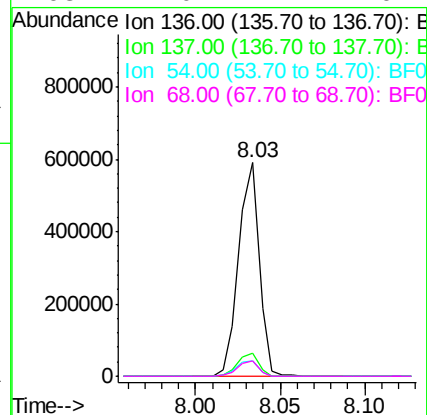
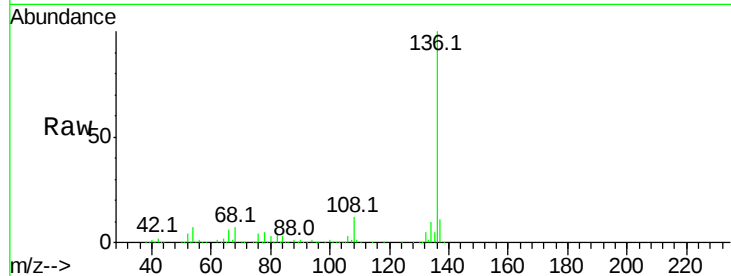
ClientSampleId :

SP-5-6

Tot Ion	Ratio	Resp	Lower	Upper
136	100	502444		
137	11.1		8.5	12.7
54	7.1		4.9	7.3
68	7.0		4.1	6.1#

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#23

Nitrobenzene-d5

Concen: 93.196 ng

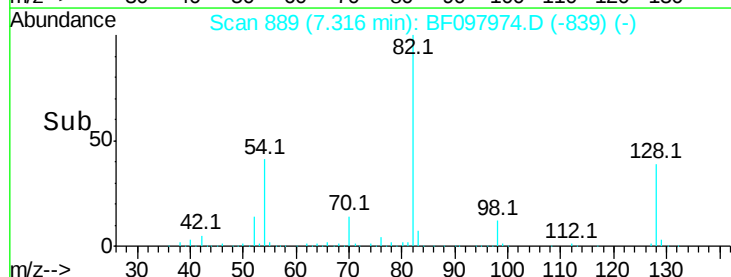
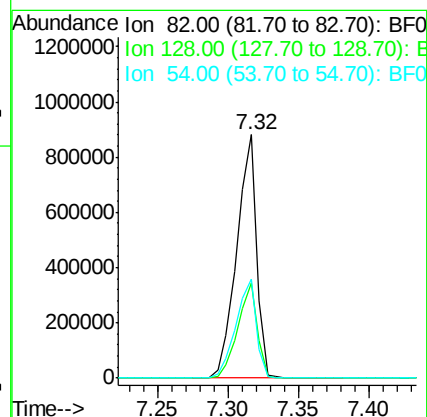
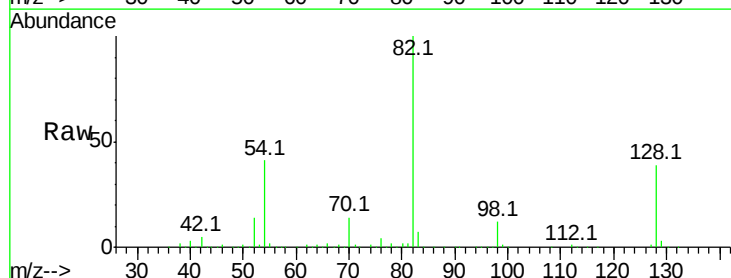
RT: 7.32 min Scan# 889

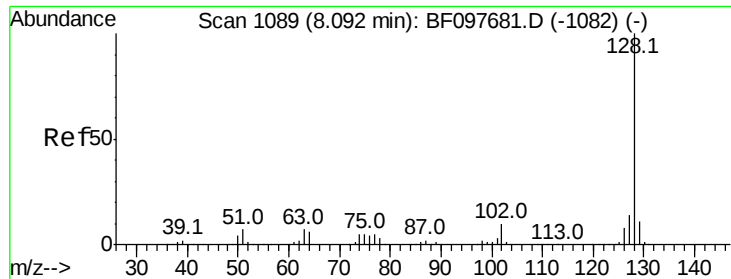
Delta R.T. -0.01 min

Lab File: BF097974.D

Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	861959		
128	39.3		34.0	51.0
54	40.8		42.2	63.2#





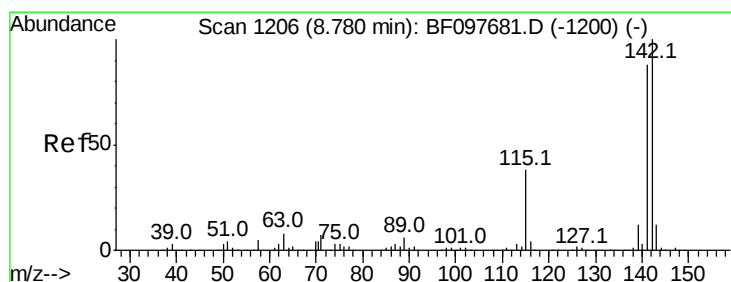
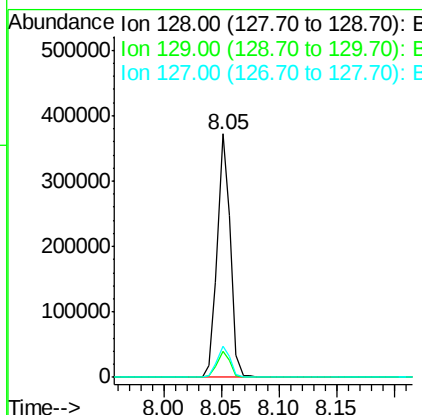
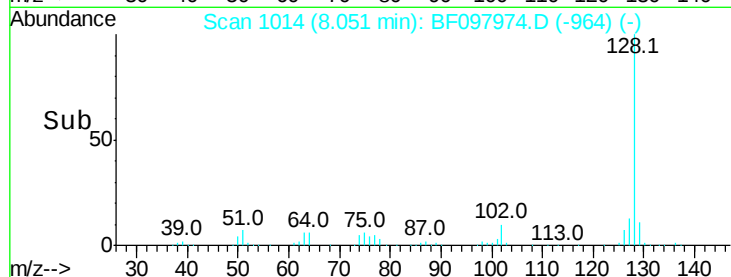
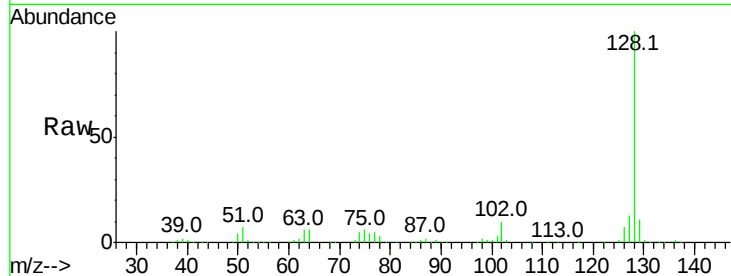
#31
Naphthalene
Concen: 11.262 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Instrument :
BNA_F
ClientSampled :
SP-5-6

Tot Ion	Ratio	Resp	Lower	Upper
128	100	293762		
129	10.9		9.0	13.6
127	12.9		10.8	16.2

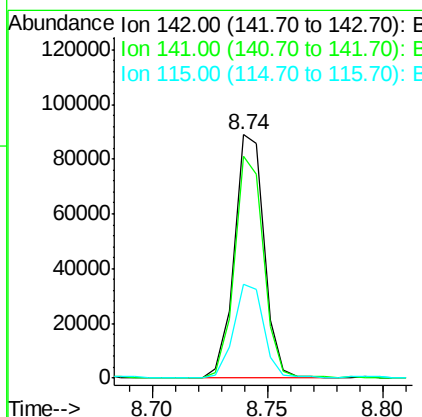
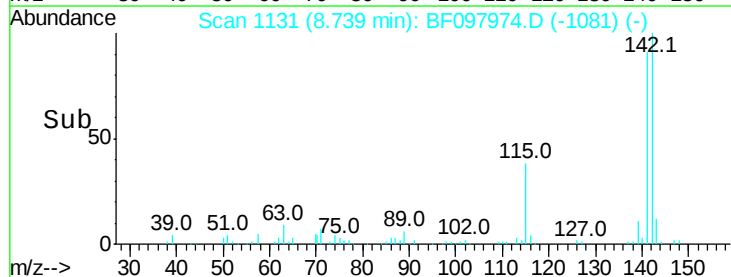
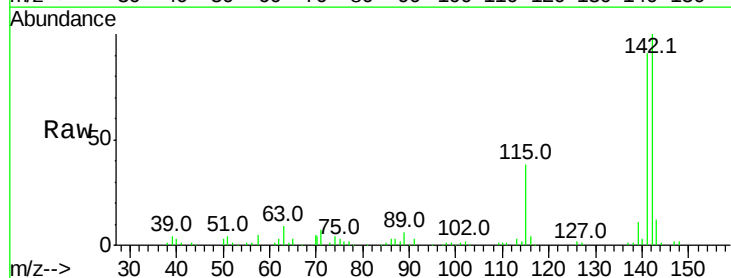
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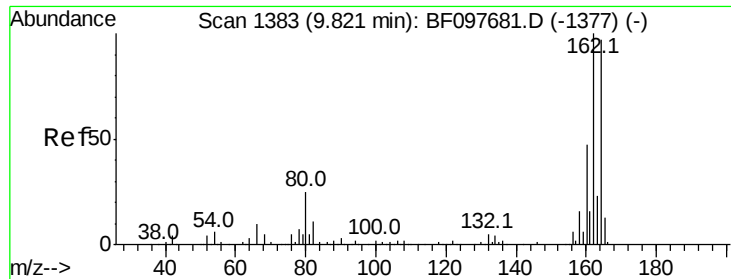
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#37
2-Methylnaphthalene
Concen: 5.032 ng
RT: 8.74 min Scan# 1131
Delta R.T. -0.01 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	80465		
141	91.0		71.3	106.9
115	38.4		27.1	40.7





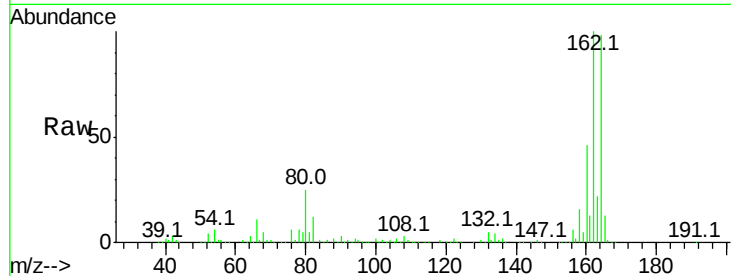
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Instrument :
BNA_F
ClientSampleId :
SP-5-6

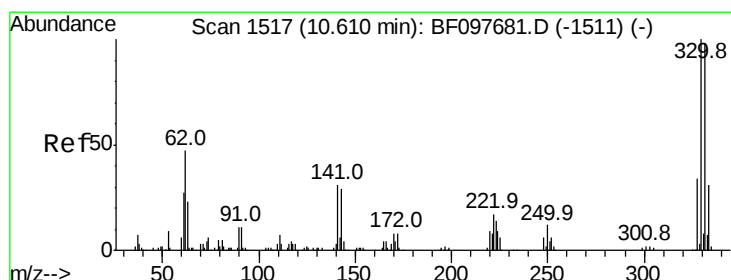
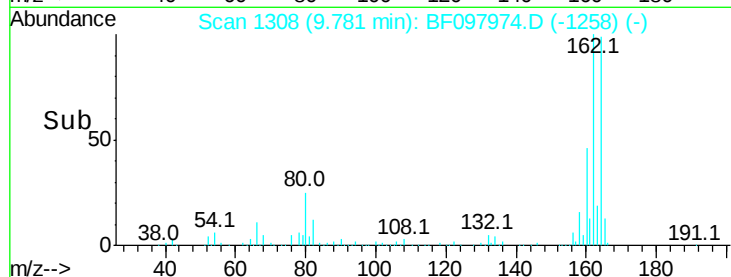
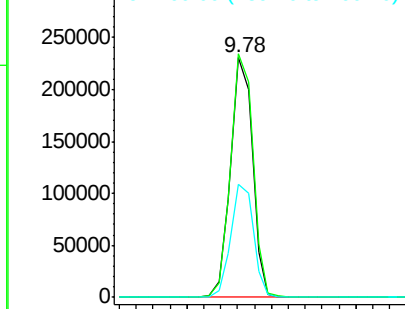
Tot Ion	Ratio	Resp	Lower	Upper
164	100	207912		
162	101.6	82.6	123.8	
160	47.1	36.2	54.2	

Manual Integrations
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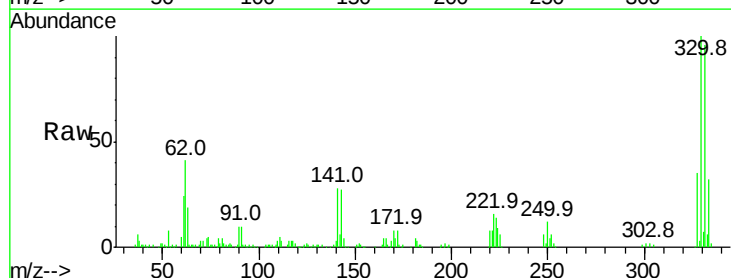


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

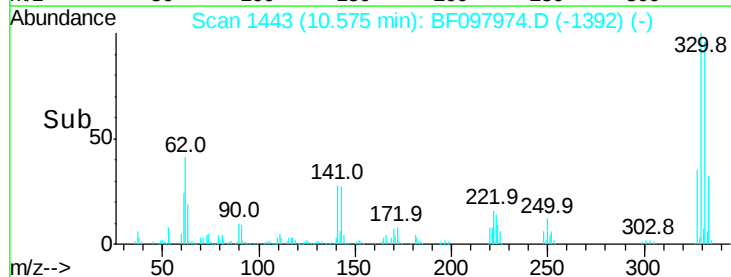
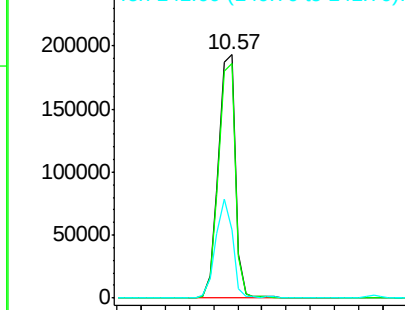


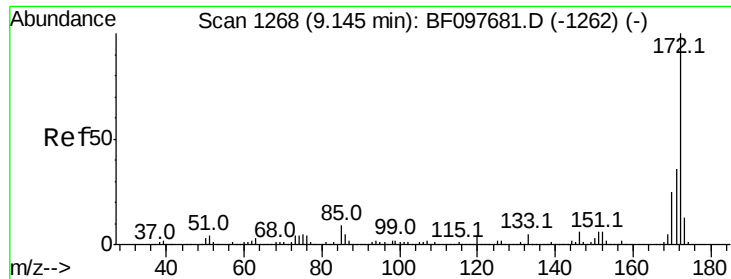
#41
2,4,6-Tribromophenol
Concen: 104.026 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	187660		
332	95.9	76.6	115.0	
141	40.7	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





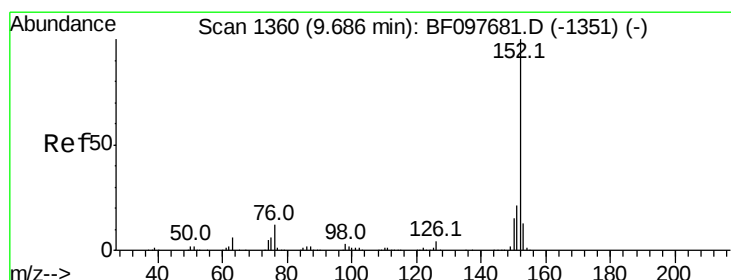
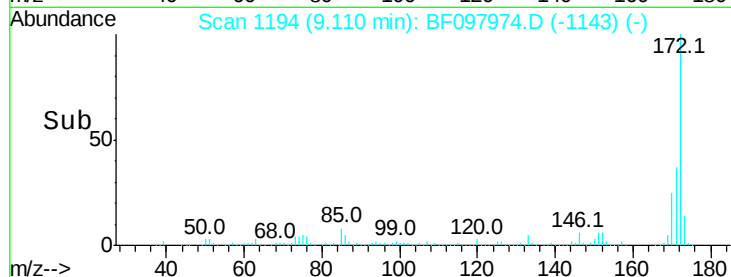
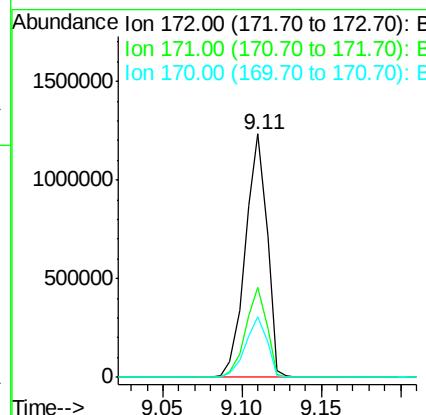
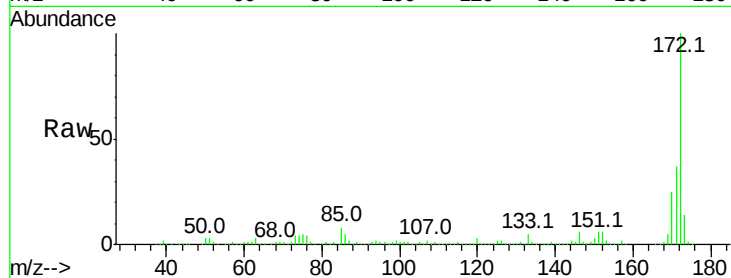
#44
2-Fluorobiphenyl
Concen: 82.349 ng
RT: 9.11 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Instrument :
BNA_F
ClientSampleId :
SP-5-6

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.6	19.8	29.8

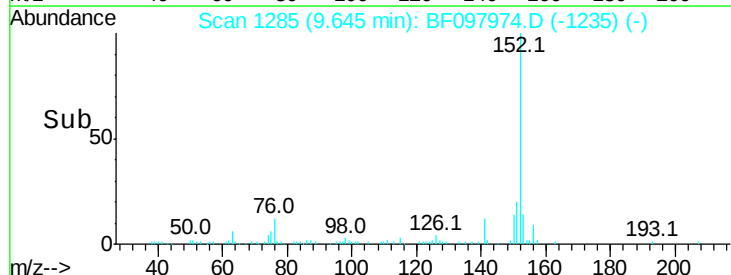
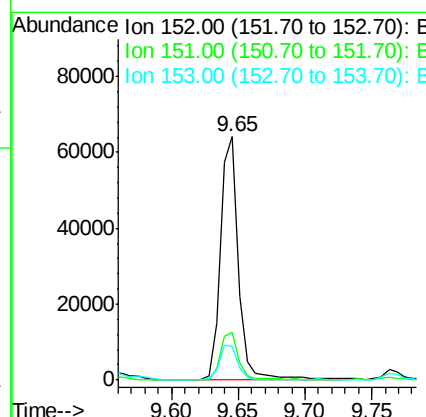
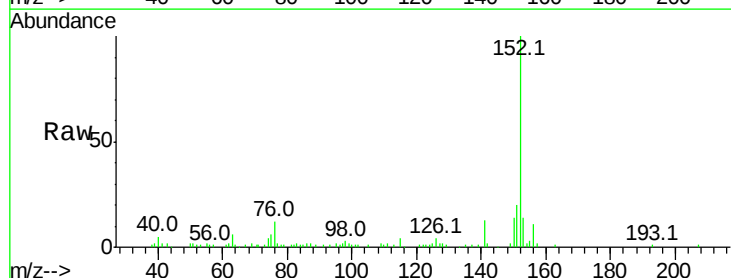
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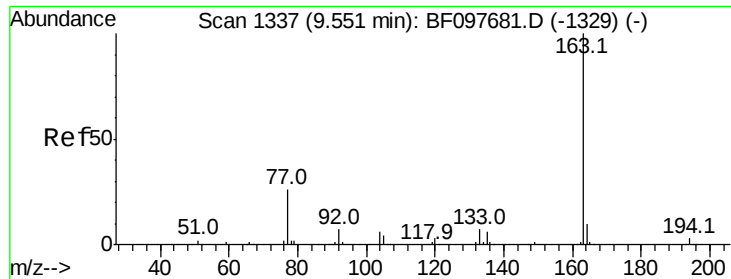
Sohil
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#48
Acenaphthylene
Concen: 2.792 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.8	25.2
153	13.6	10.8	16.2





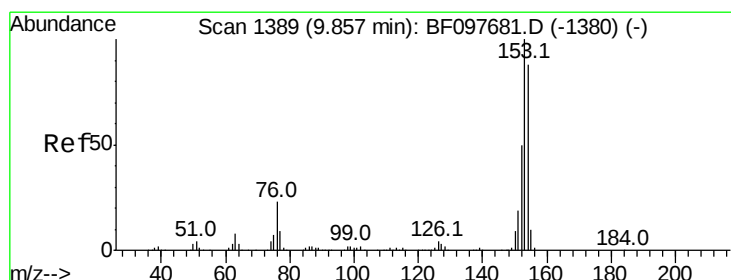
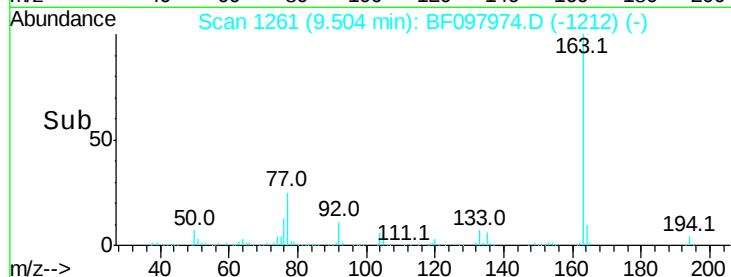
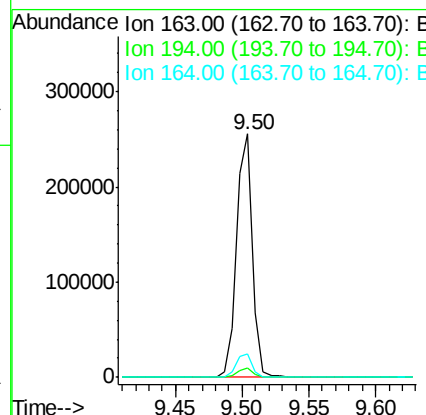
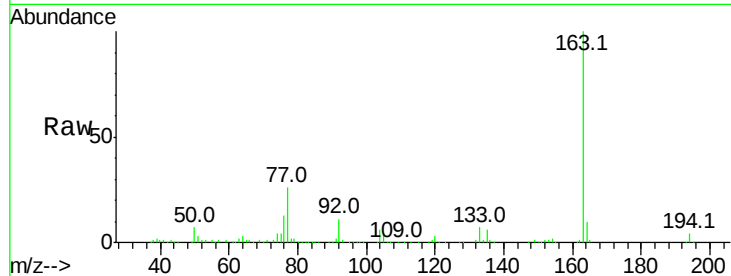
#49
Dimethylphthalate
Concen: 14.166 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Instrument :
BNA_F
ClientSampleId :
SP-5-6

Tot Ion	Ratio	Resp	Lower	Upper
163	100	215290		
194	3.7	2.6	4.0	
164	9.7	8.4	12.6	

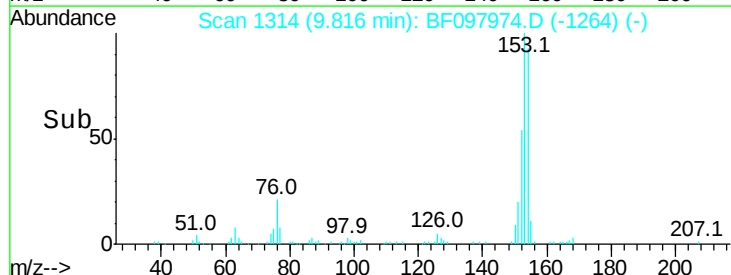
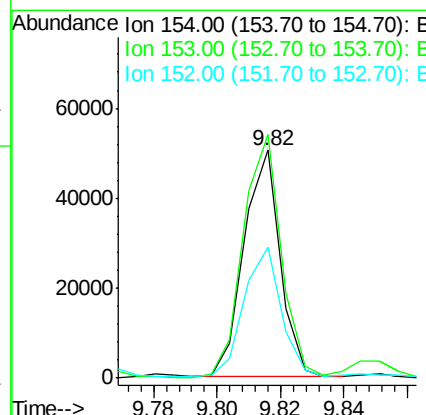
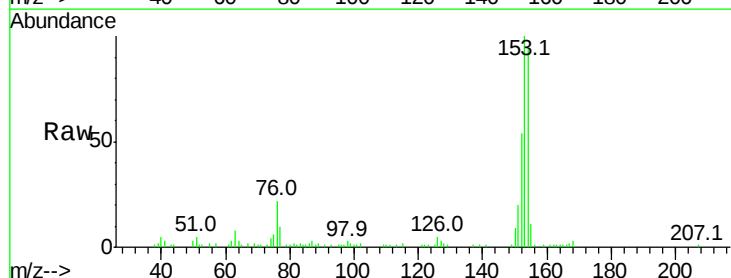
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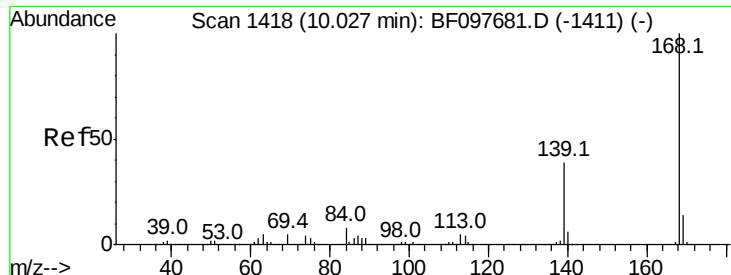
Sohil
8/23/2017 3:03:52 PM



#51
Acenaphthene
Concen: 2.848 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	39515		
153	106.8	90.5	135.7	
152	57.6	43.6	65.4	





#54

Dibenzenofuran

Concen: 3.377 ng

RT: 9.99 min Scan# 1343

Delta R.T. -0.01 min

Lab File: BF097974.D

Acq: 23 Aug 2017 00:52

Instrument :

BNA_F

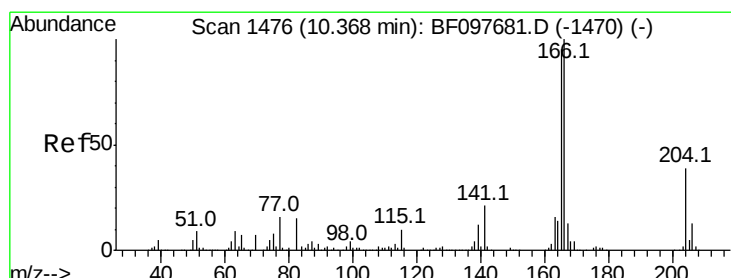
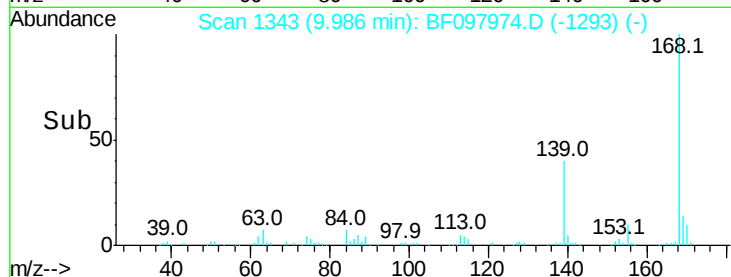
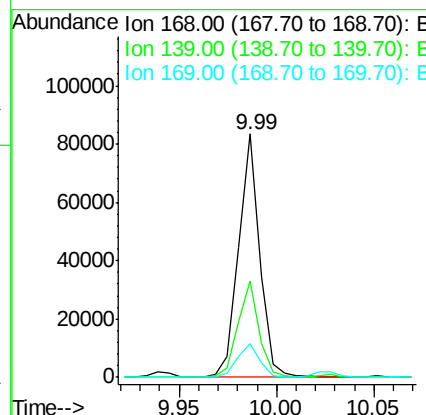
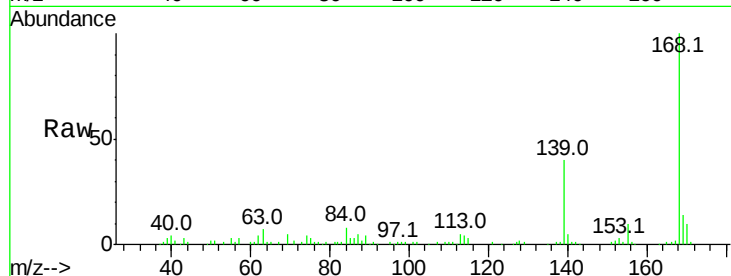
ClientSampled :

SP-5-6

Tot Ion:	168	Resp:	62803
Ion Ratio	Lower	Upper	
168	100		
139	39.6	30.6	45.8
169	14.0	10.8	16.2

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Sohil
8/23/2017 3:03:52 PM



#57

Fluorene

Concen: 4.598 ng

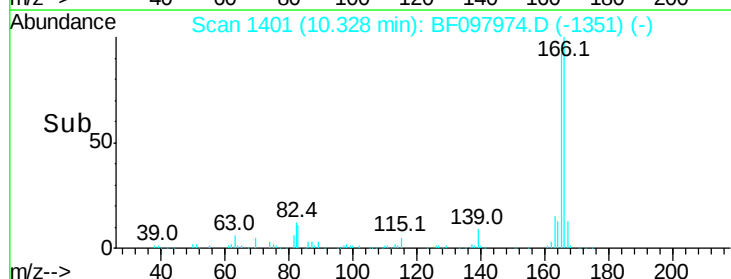
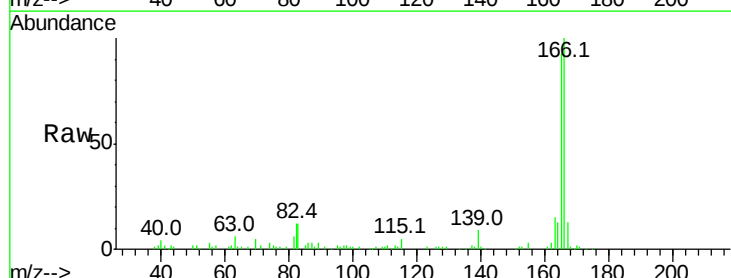
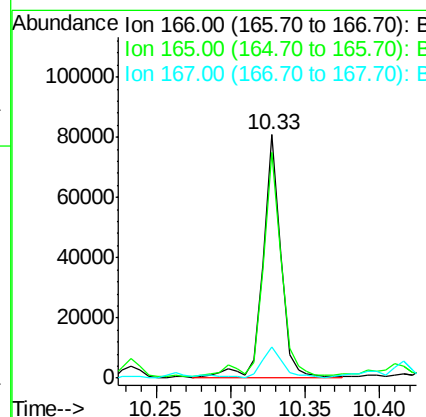
RT: 10.33 min Scan# 1401

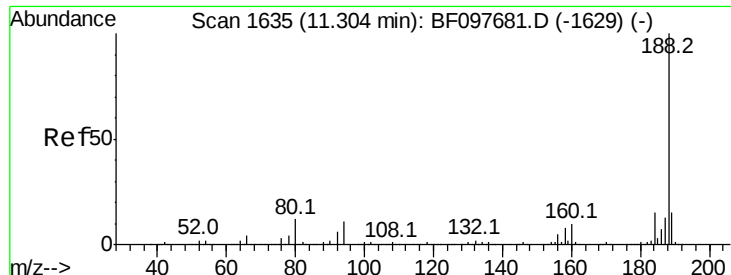
Delta R.T. -0.01 min

Lab File: BF097974.D

Acq: 23 Aug 2017 00:52

Tgt Ion:	166	Resp:	66104
Ion Ratio	Lower	Upper	
166	100		
165	92.8	78.8	118.2
167	13.0	10.6	16.0





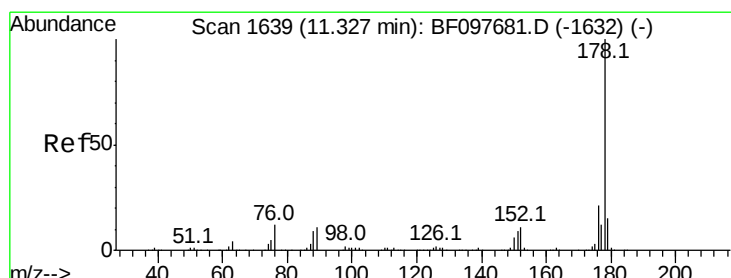
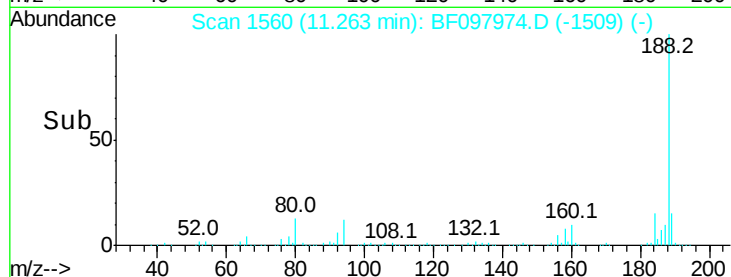
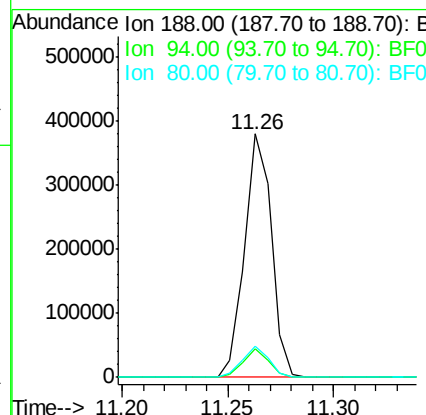
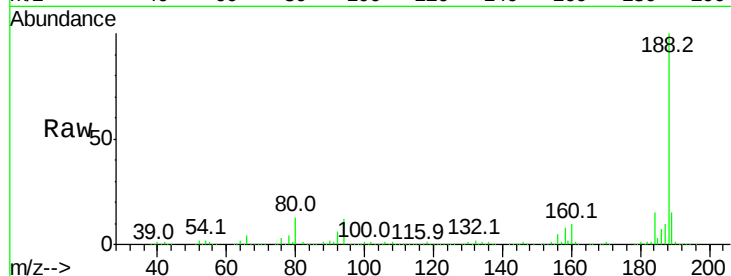
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Instrument :
BNA_F
ClientSampled :
SP-5-6

Tot Ion	Ratio	Resp	Lower	Upper
188	100	334722		
94	11.9		9.4	14.2
80	13.0		10.2	15.2

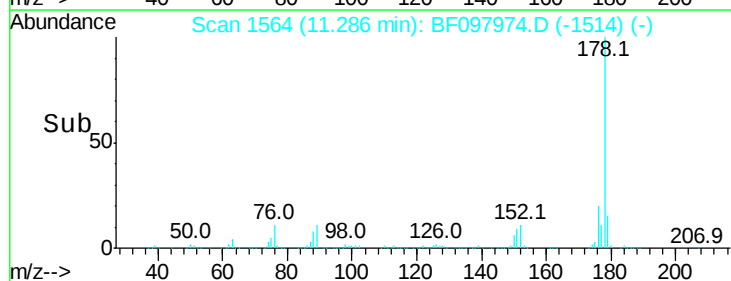
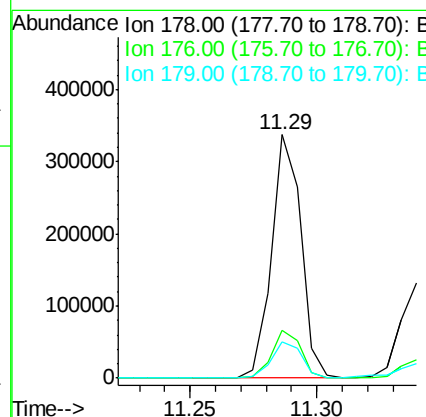
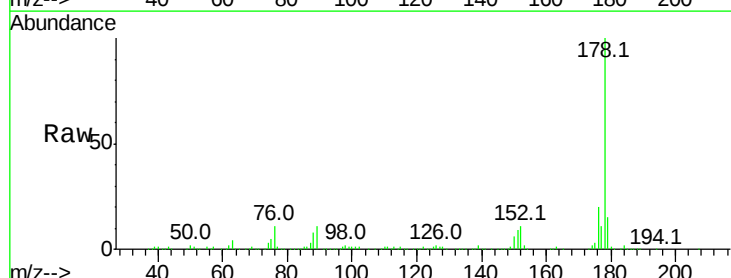
Manual Integrations
APPROVED

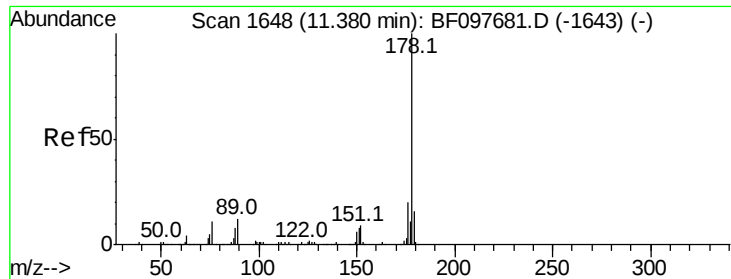
Sohil
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#70
Phenanthrene
Concen: 15.425 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	275132		
176	19.6		16.2	24.4
179	14.9		12.6	19.0





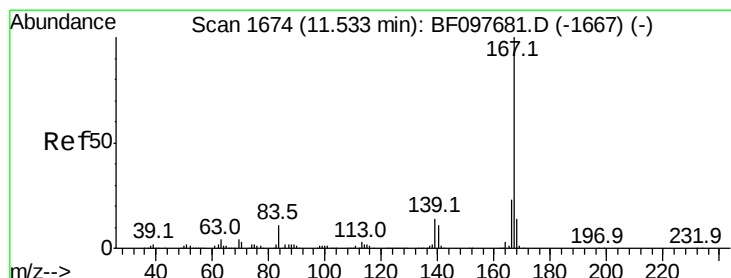
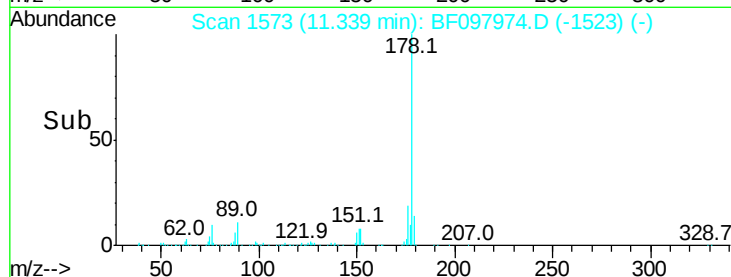
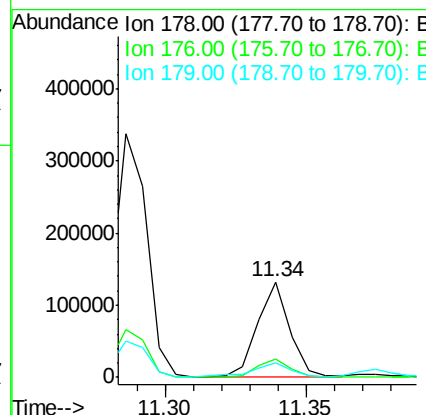
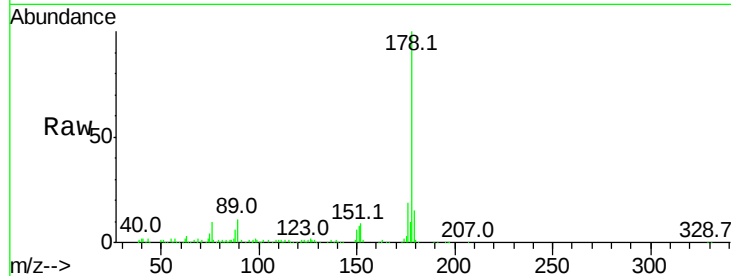
#71
 Anthracene
 Concen: 5.632 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF097974.D
 Acq: 23 Aug 2017 00:52

Instrument :
 BNA_F
 ClientSampleId :
 SP-5-6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	14.7	12.7	19.1

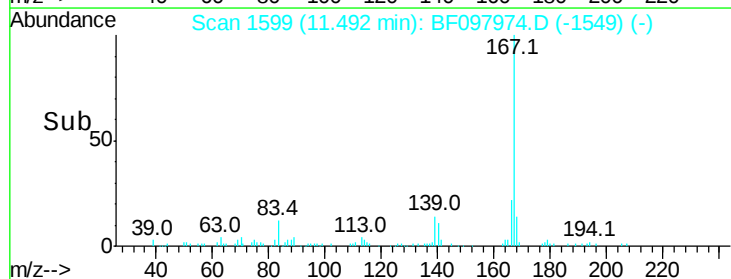
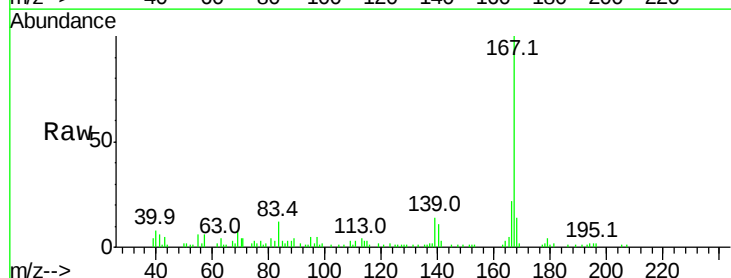
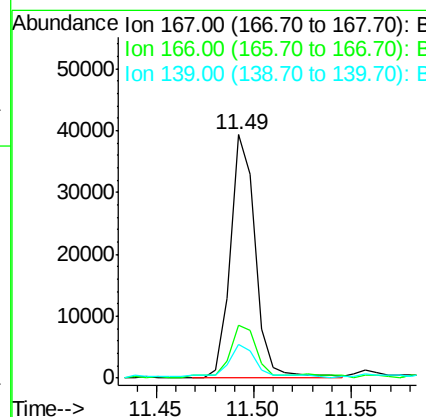
Manual Integrations
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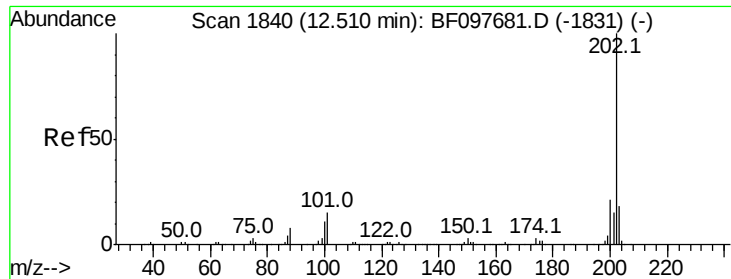
Sohil
 8/23/2017 3:03:52 PM



#72
 Carbazole
 Concen: 2.042 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF097974.D
 Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.1	27.1
139	13.9	11.7	17.5





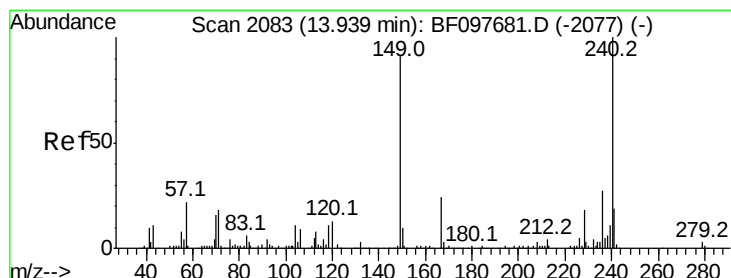
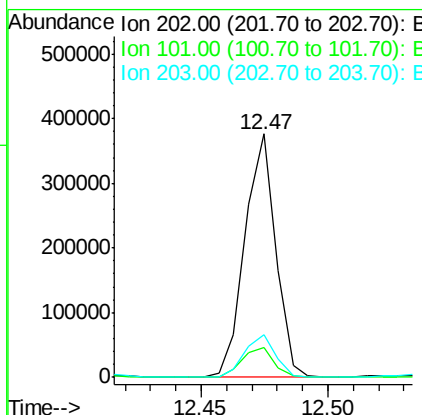
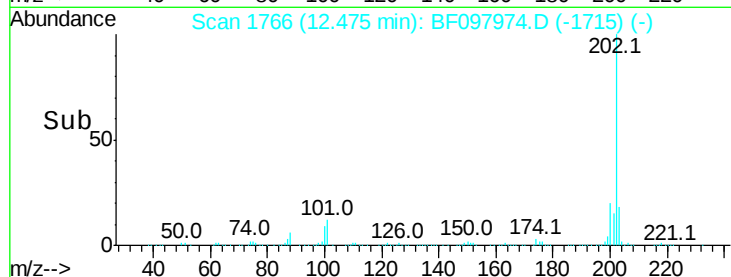
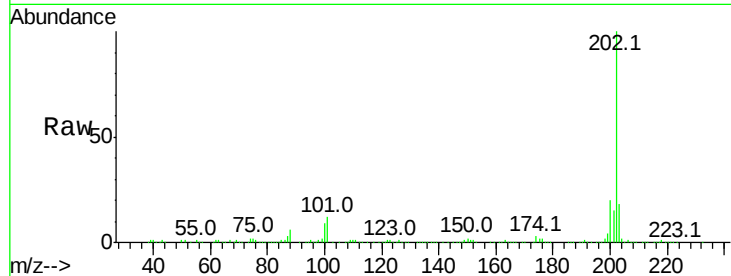
#74
 Fluoranthene
 Concen: 17.023 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. 0.00 min
 Lab File: BF097974.D
 Acq: 23 Aug 2017 00:52

Instrument :
 BNA_F
 ClientSampled :
 SP-5-6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	33.2
203	17.7	0.0	38.1

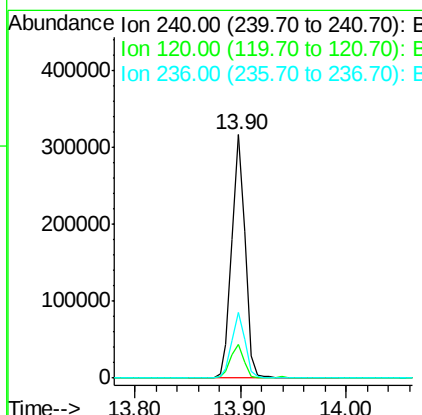
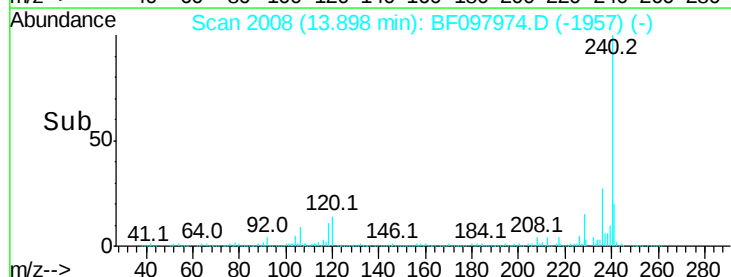
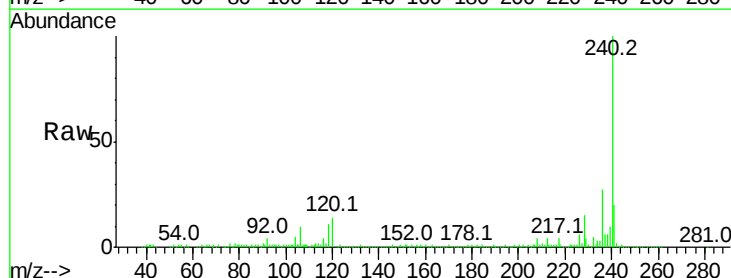
Manual Integrations
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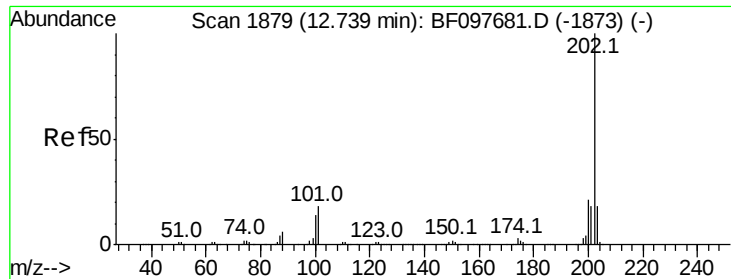
Sohil
 8/23/2017 3:03:52 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: BF097974.D
 Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.9	5.8	8.8#
236	27.1	20.5	30.7





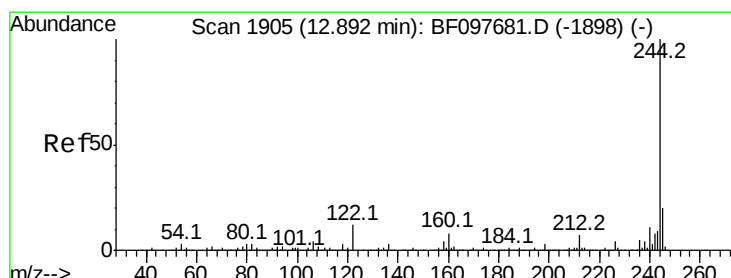
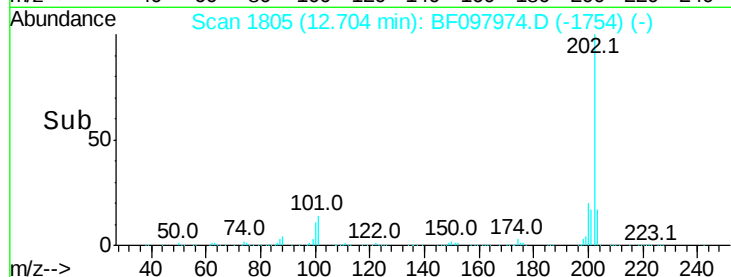
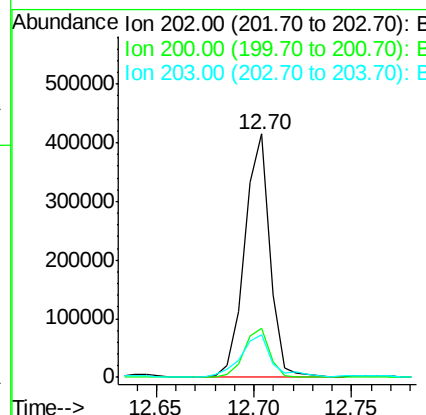
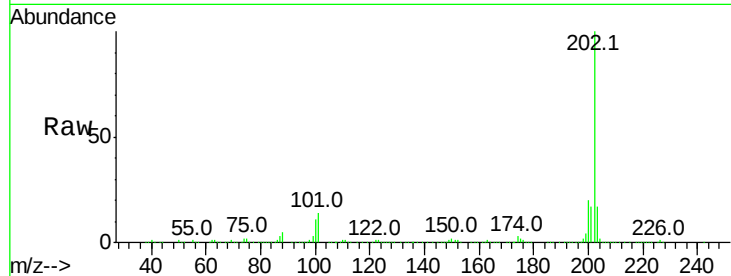
#77
Pvrene
Concen: 16.362 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.00 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Instrument :
BNA_F
ClientSampled :
SP-5-6

Tot Ion	Ratio	Resp	Lower	Upper
202	100	370969		
200	20.4		17.6	26.4
203	17.3		14.4	21.6

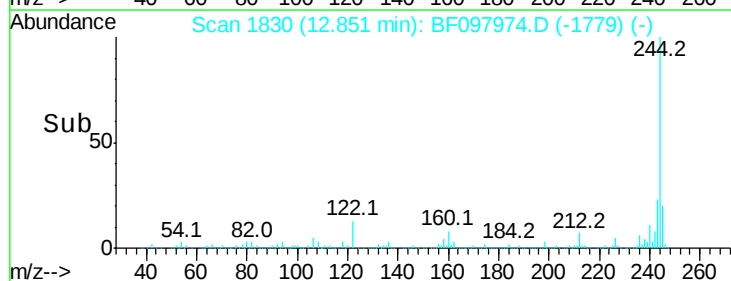
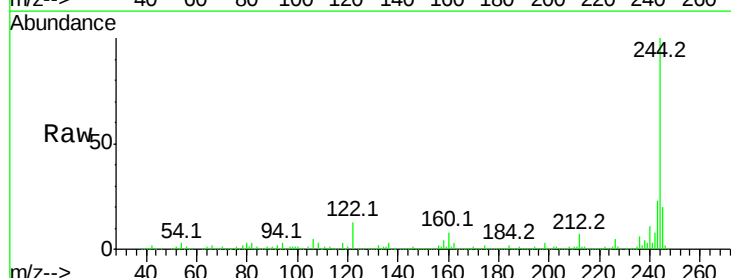
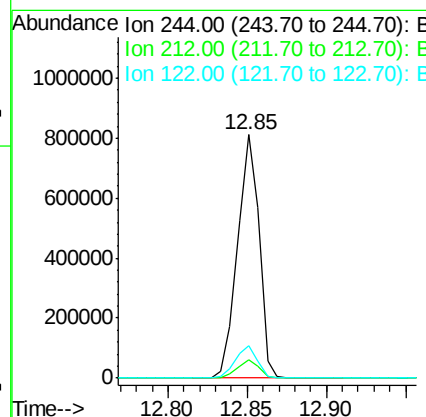
Manual Integrations
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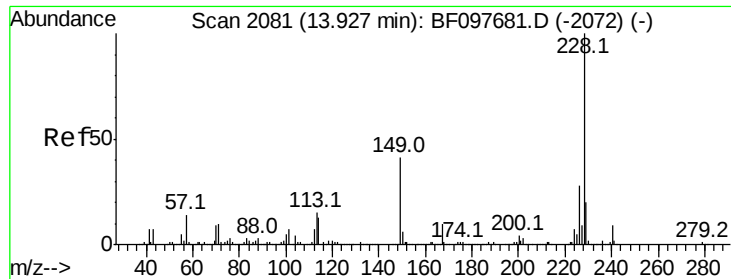
Sohil
8/23/2017 3:03:52 PM



#78
Terphenyl-d14
Concen: 57.712 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.00 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	767196		
212	7.5		6.0	9.0
122	13.5		10.3	15.5





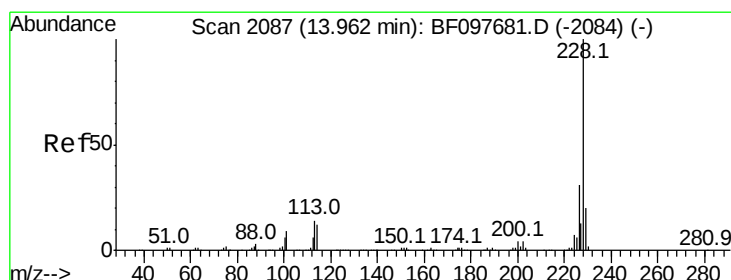
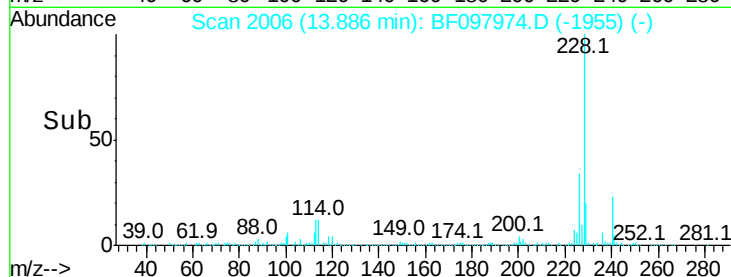
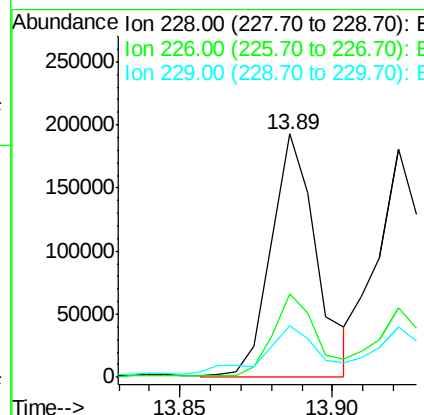
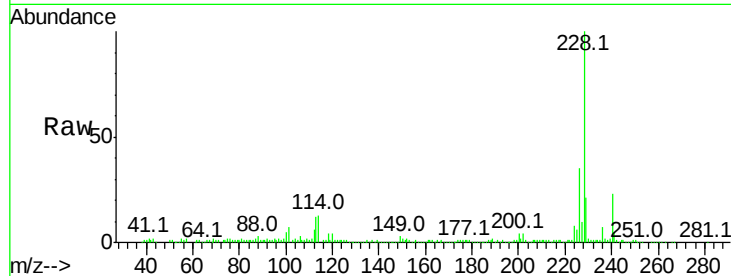
#80
Benzo(a)anthracene
Concen: 12.026 ng m
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Instrument :
BNA_F
ClientSampled :
SP-5-6

Tot Ion	Ratio	Resp	Lower	Upper
228	100	199801		
226	34.5	22.6	33.8#	
229	21.1	16.3	24.5	

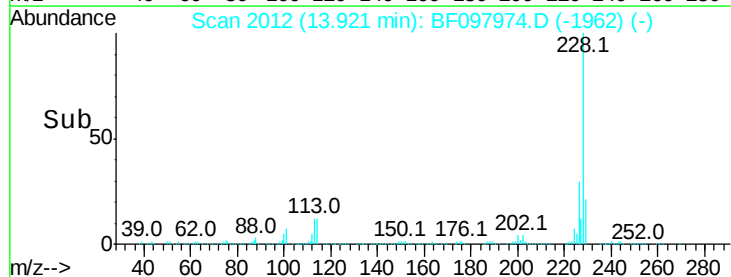
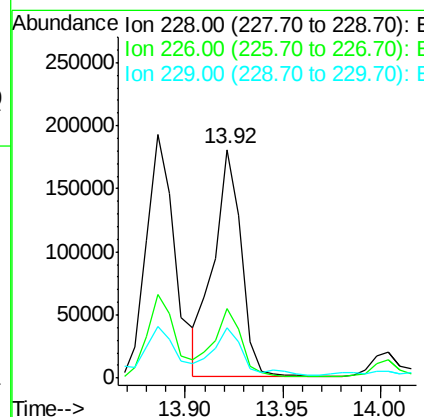
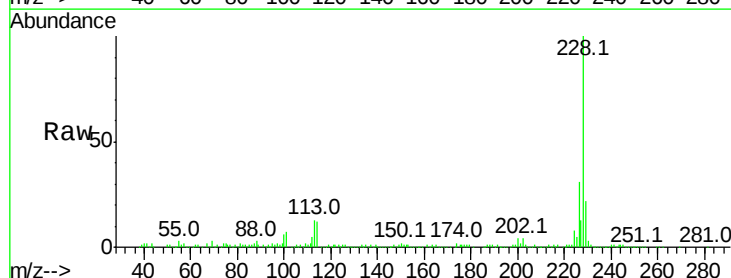
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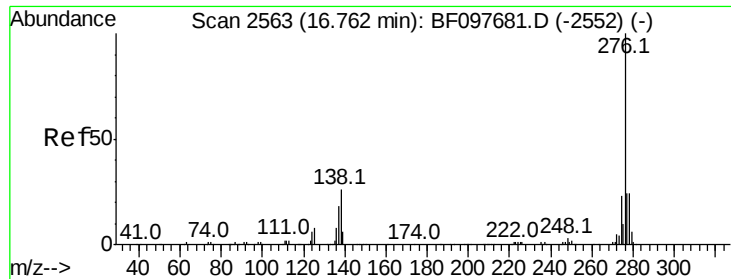
Sohil
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#82
Chrysene
Concen: 10.669 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	176338		
226	30.5	24.9	37.3	
229	22.2	15.8	23.6	





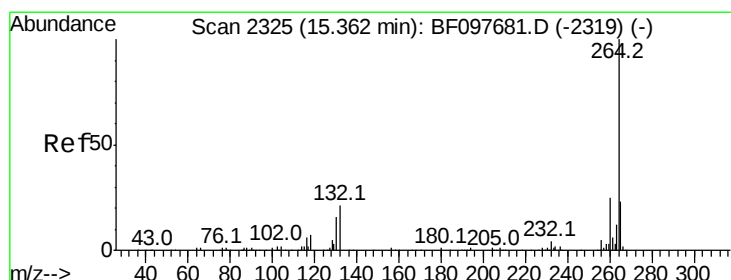
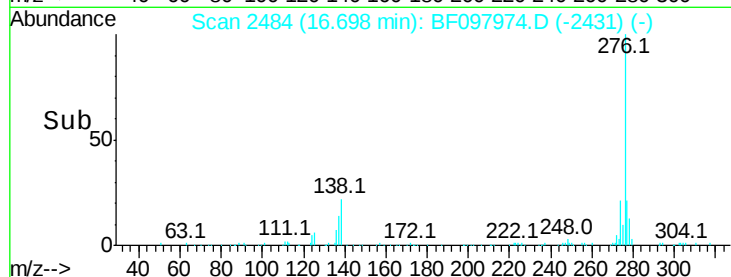
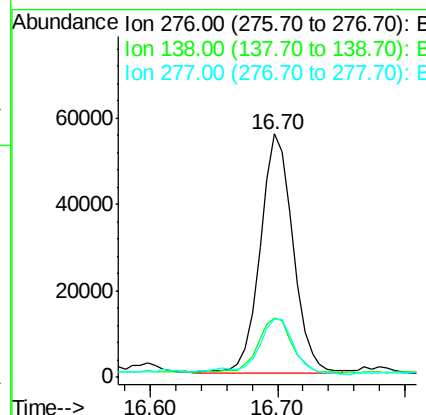
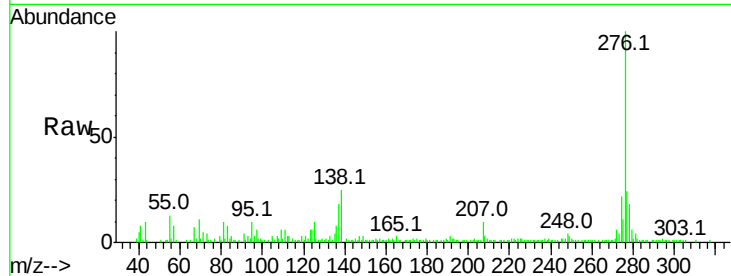
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.125 ng/ml
RT: 16.70 min Scan# 2484
Delta R.T. 0.01 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Instrument :
BNA_F
ClientSampled :
SP-5-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.3	27.8	41.6#
277	4.8	20.2	30.4#

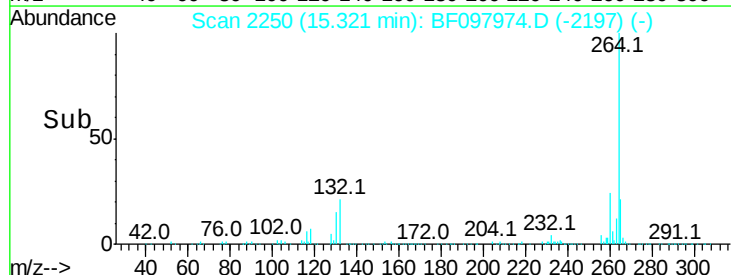
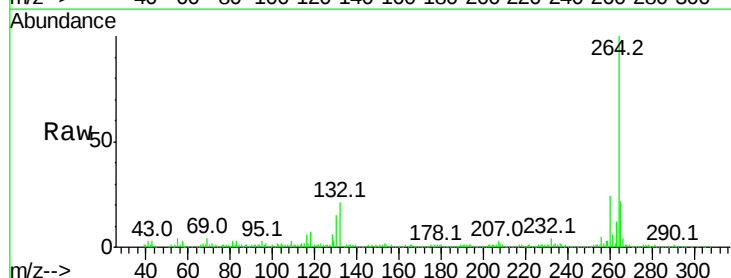
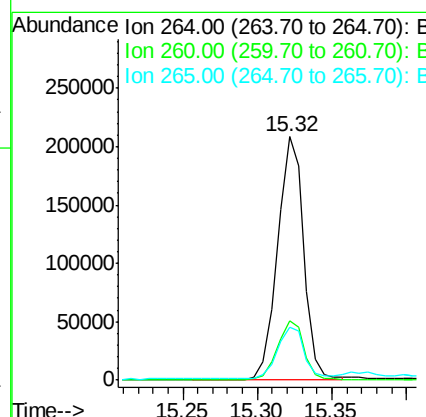
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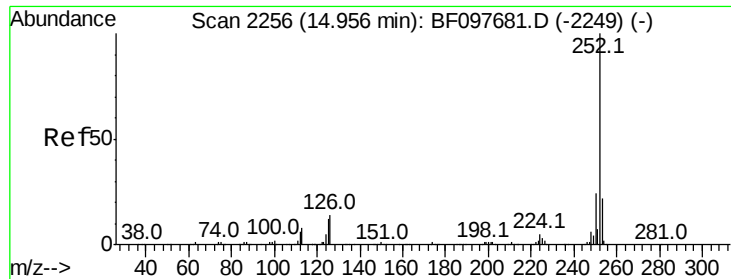
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 16.934 ng m

RT: 14.92 min Scan# 2181

Delta R.T. 0.01 min

Lab File: BF097974.D

Acq: 23 Aug 2017 00:52

Instrument :

BNA_F

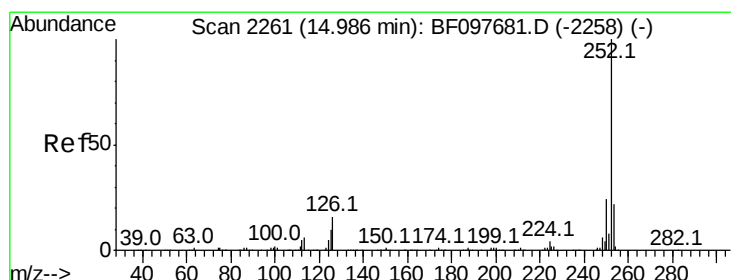
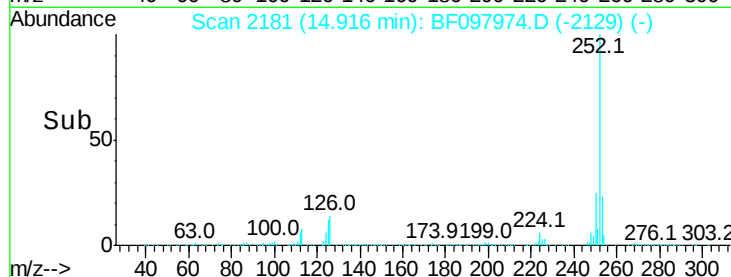
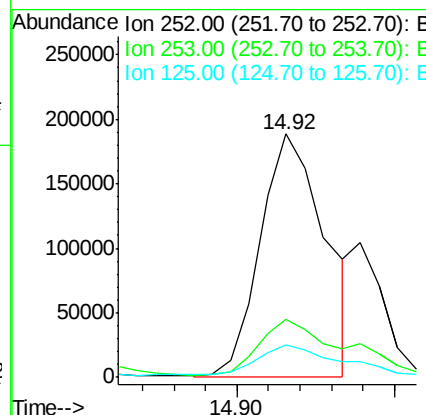
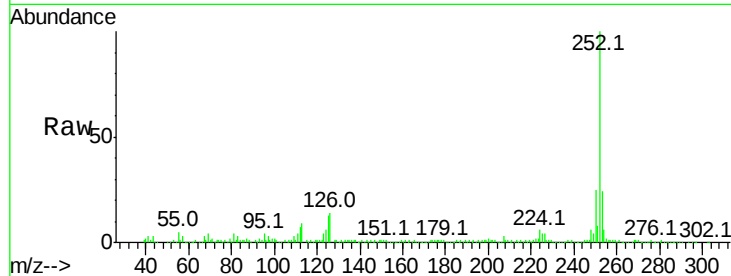
ClientSampled :

SP-5-6

Tot Ion:	252	Resp:	270326
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.1	27.1
125	13.2	9.8	14.8

Manual Integrations
APPROVED

Sohil
8/23/2017 3:03:52 PM



#88

Benzo(k)fluoranthene

Concen: 5.166 ng m

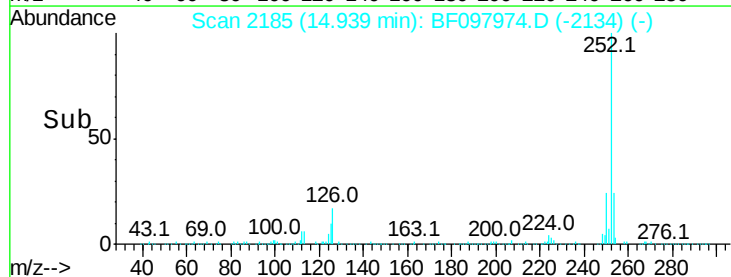
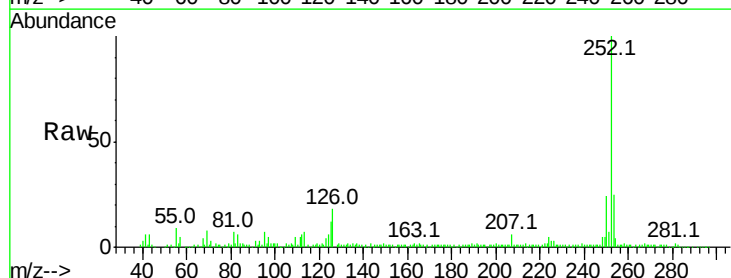
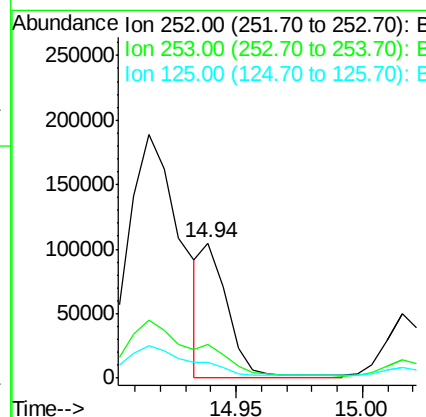
RT: 14.94 min Scan# 2185

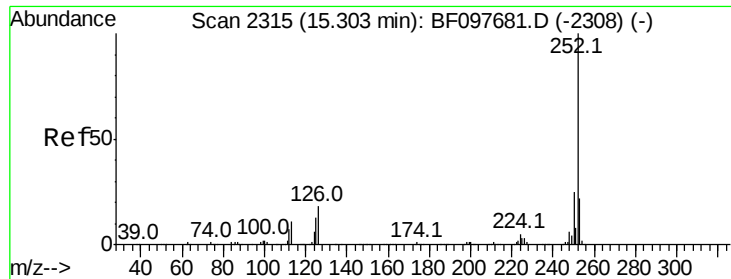
Delta R.T. 0.00 min

Lab File: BF097974.D

Acq: 23 Aug 2017 00:52

Tgt Ion:	252	Resp:	77482
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.4	27.6
125	12.1	13.1	19.7#





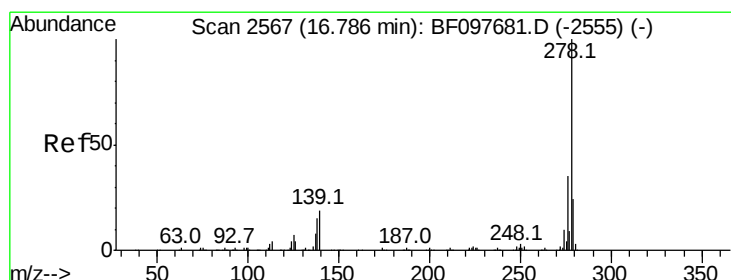
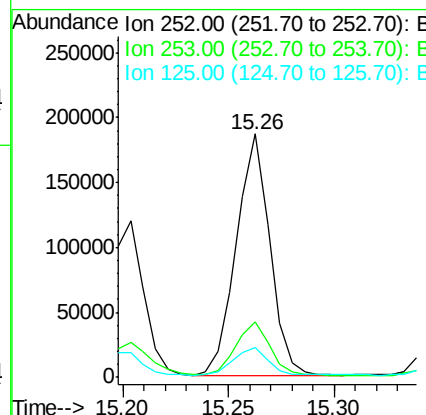
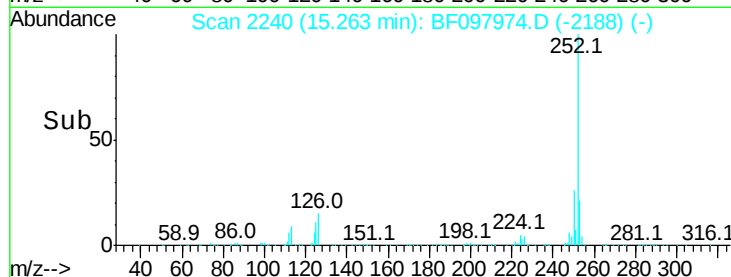
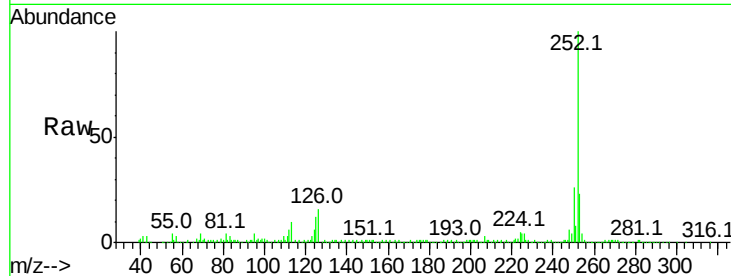
#89
Benzo(a)pyrene
Concen: 14.622 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Instrument :
BNA_F
ClientSampled :
SP-5-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	12.0	11.0	16.4

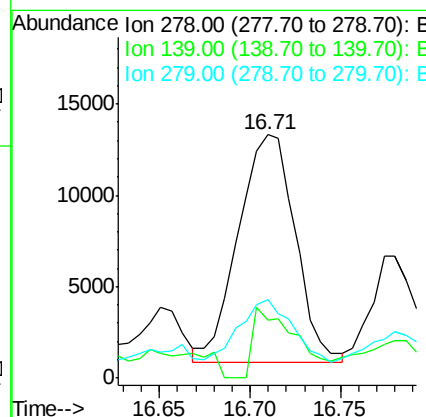
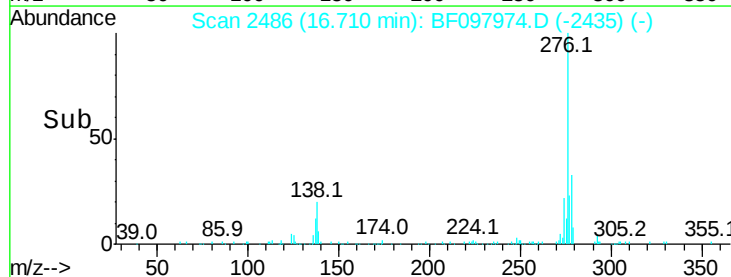
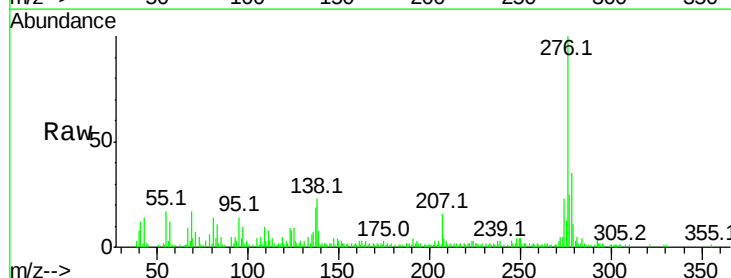
Manual Integrations
APPROVED

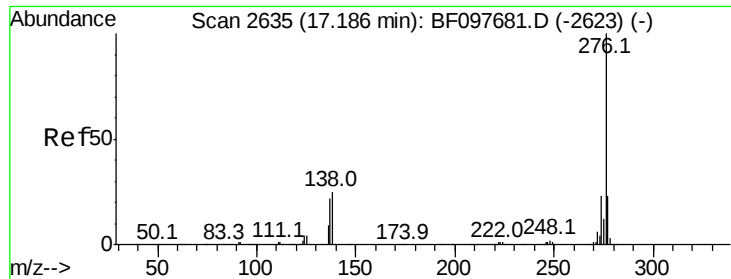
Sohil
8/23/2017 3:03:52 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.365 ng
RT: 16.71 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BF097974.D
Acq: 23 Aug 2017 00:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.0	16.6	24.8
279	32.3	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 8.564 ng
 RT: 17.12 min Scan# 2555
 Delta R.T. 0.01 min
 Lab File: BF097974.D
 Acq: 23 Aug 2017 00:52

Instrument :
 BNA_F
 ClientSampleId :
 SP-5-6

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	25.1	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/23/2017 3:03:52 PM

