

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097718.D
 Acq On : 16 Aug 2017 4:30
 Operator : SJ/JU
 Sample : I4751-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-COMP

Manual Integrations
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Sohil
 8/16/2017 6:49:19 PM

Quant Time: Aug 16 11:58:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	136435	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	536493	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	234070	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	395750	20.00	ng	0.00
75) Chrysene-d12	13.94	240	276691	20.00	ng	0.00
86) Perylene-d12	15.37	264	256765	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	826060	92.10	ng	0.00
7) Phenol-d6	6.41	99	1128821	92.62	ng	0.00
23) Nitrobenzene-d5	7.35	82	659650	66.80	ng	0.00
41) 2,4,6-Tribromophenol	10.60	330	179729	88.50	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	928874	58.30	ng	0.00
78) Terphenyl-d14	12.89	244	617465	46.54	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.42	94	44168	3.099	ng	92
31) Naphthalene	8.09	128	389051	13.968	ng	100
37) 2-Methylnaphthalene	8.78	142	54075	3.167	ng	96
48) Acenaphthylene	9.68	152	99391	4.013	ng	98
49) Dimethylphthalate	9.54	163	117308	6.856	ng	97
51) Acenaphthene	9.85	154	80723	5.168	ng	99
54) Dibenzofuran	10.02	168	58778	2.808	ng	98
57) Fluorene	10.36	166	83456	5.156	ng	94
70) Phenanthrene	11.33	178	758735	35.979	ng	99
71) Anthracene	11.37	178	209911	9.814	ng	98
72) Carbazole	11.53	167	49519	2.439	ng	97
74) Fluoranthene	12.52	202	793998	36.072	ng	98
77) Pvrene	12.75	202	918381	40.582	ng	98
80) Benzo(a)anthracene	13.93	228	411055m	24.787	ng	
82) Chrysene	13.96	228	350834	21.267	ng	98
85) Indeno(1,2,3-cd)pyrene	16.77	276	164886m	13.587	ng	
87) Benzo(b)fluoranthene	14.96	252	392744m	24.266	ng	
88) Benzo(k)fluoranthene	14.99	252	152725m	10.044	ng	
89) Benzo(a)pvrene	15.31	252	338658	23.636	ng	98
90) Dibenzo(a,h)anthracene	16.78	278	34491m	2.957	ng	
91) Benzo(g,h,i)perylene	17.19	276	176672	14.516	ng	94

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

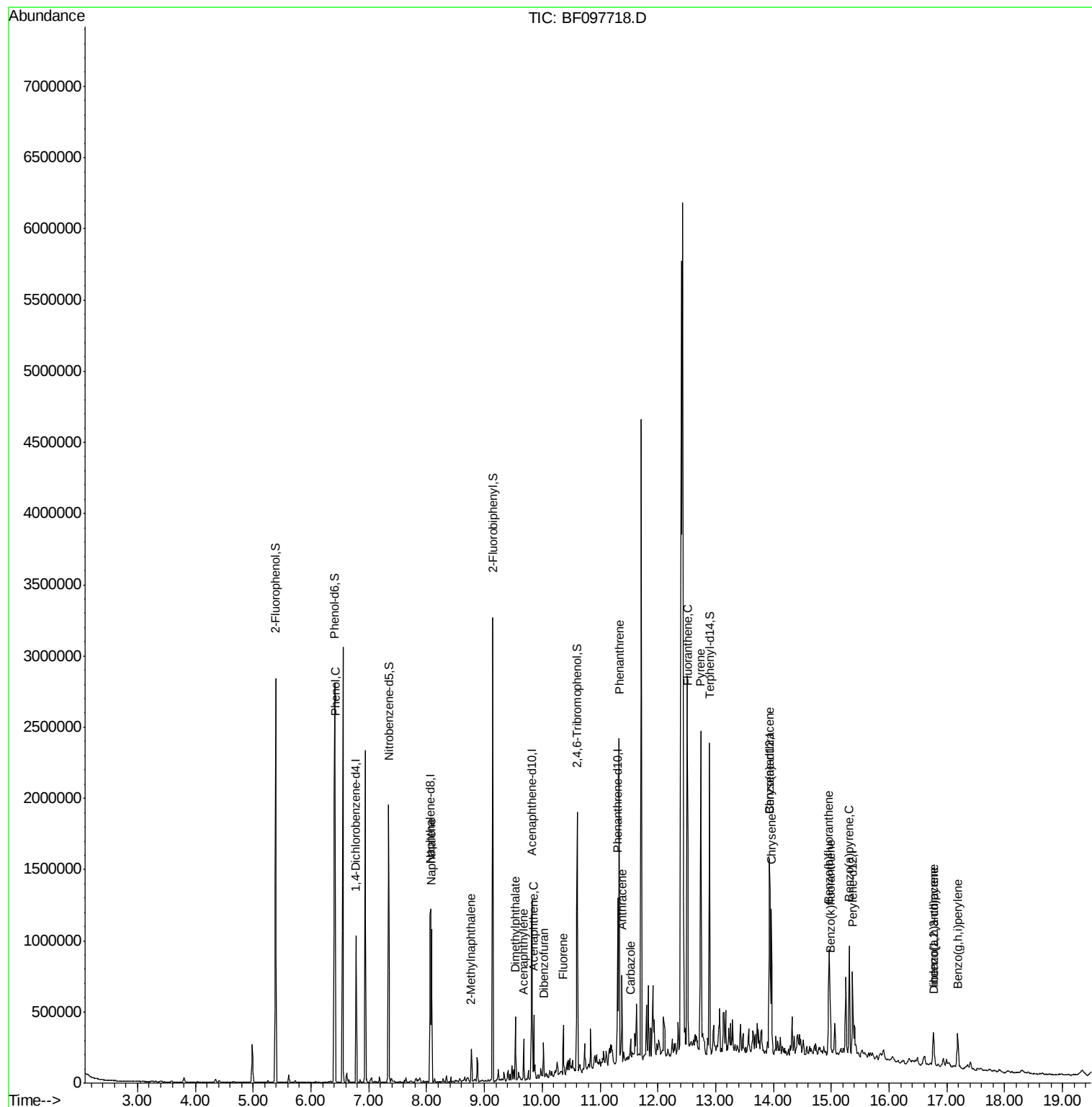
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097718.D
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ALS Vial : 31 Sample Multiplier: 1

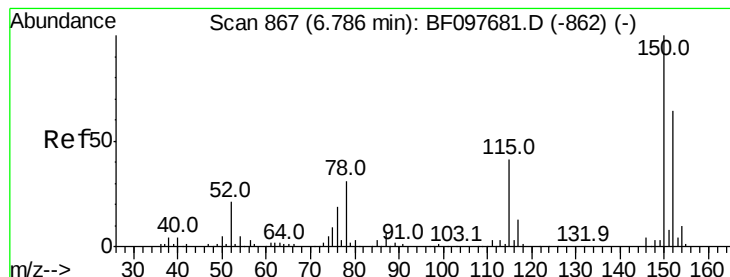
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

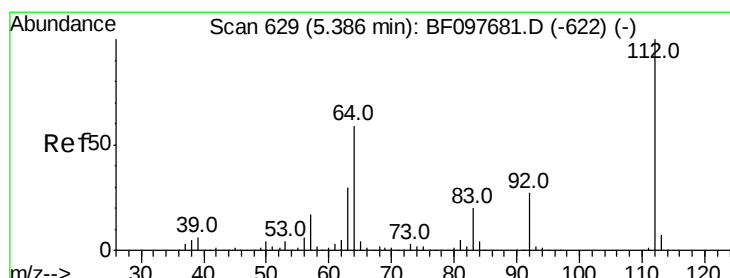
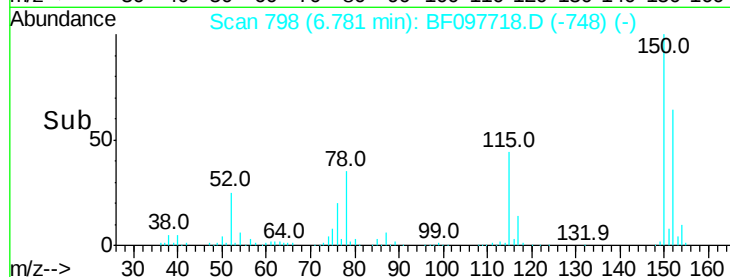
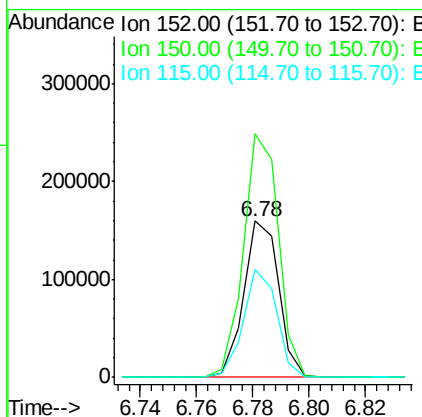
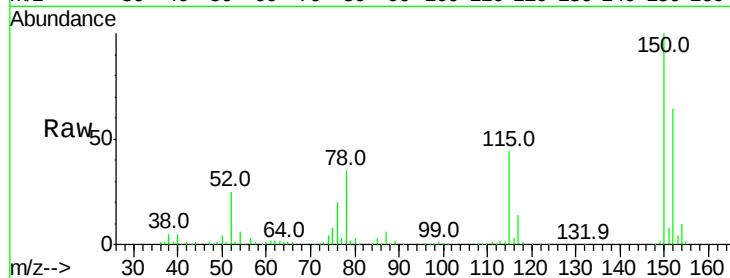
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.2	189.2
115	69.0	52.2	78.2

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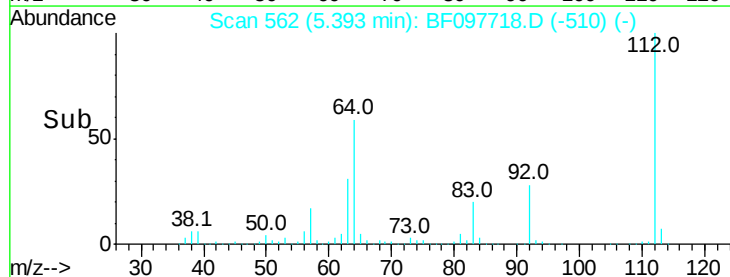
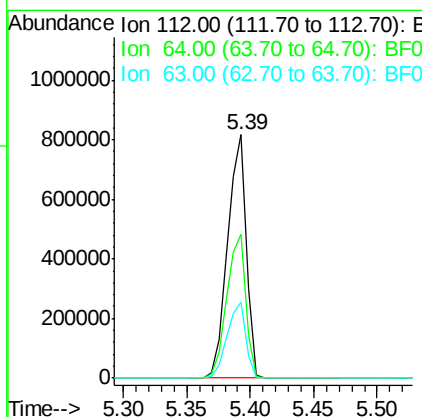
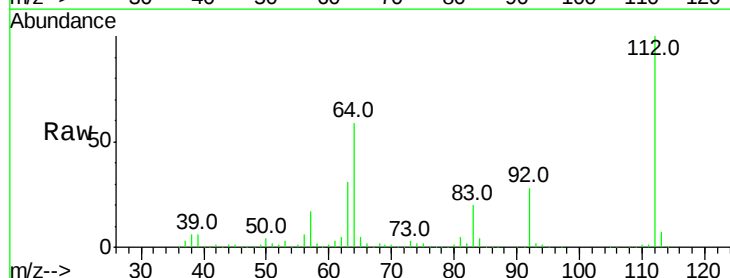
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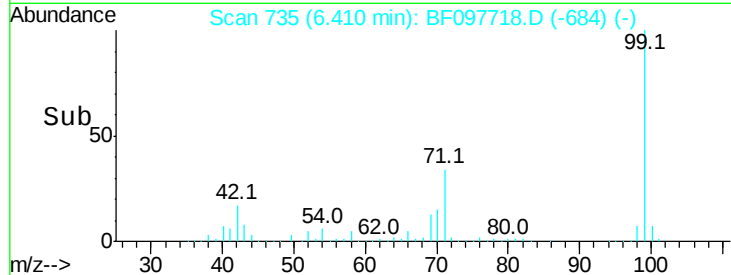
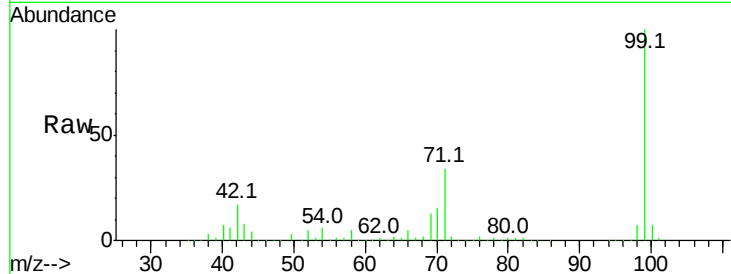


#5

2-Fluorophenol
Concen: 92.095 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.2	46.0	69.0
63	31.0	23.4	35.0





#7

Phenol-d6

Concen: 92.624 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097718.D

Acq: 16 Aug 2017 4:30

Tot Ion:	99	Resp:	1128821
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	33.9	24.5	36.7

Instrument :

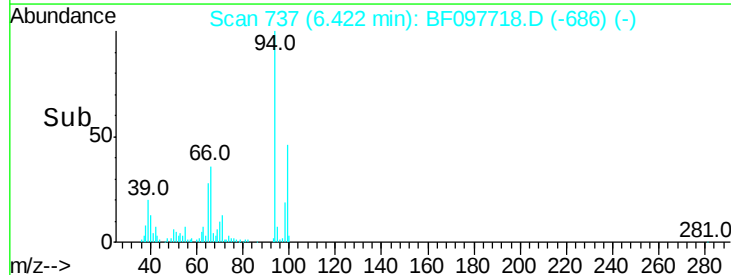
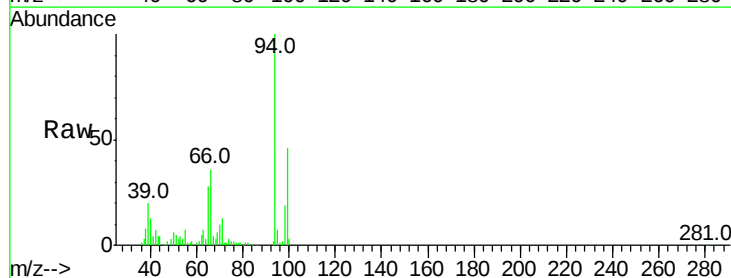
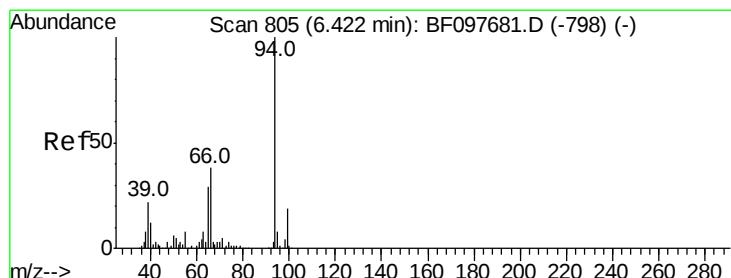
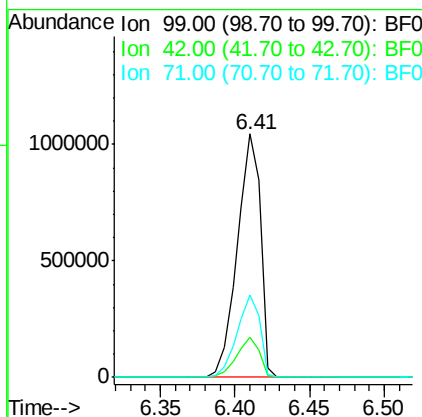
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 3.099 ng

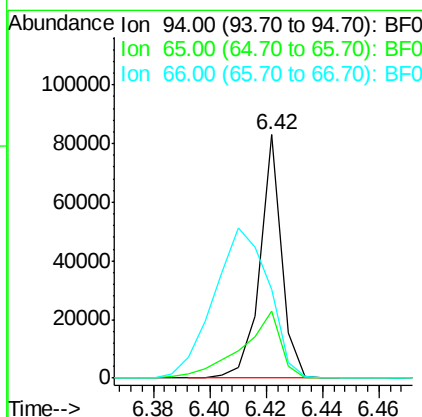
RT: 6.42 min Scan# 737

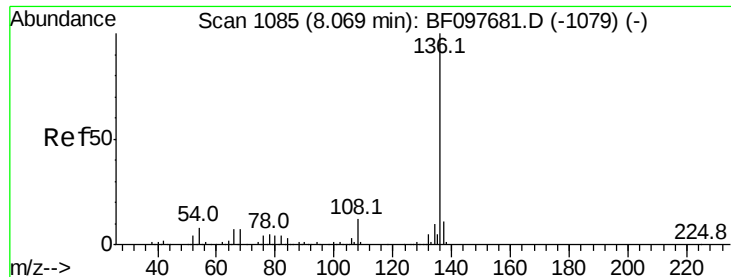
Delta R.T. 0.00 min

Lab File: BF097718.D

Acq: 16 Aug 2017 4:30

Tgt Ion:	94	Resp:	44168
Ion	Ratio	Lower	Upper
94	100		
65	27.6	9.9	49.9
66	36.4	23.1	63.1





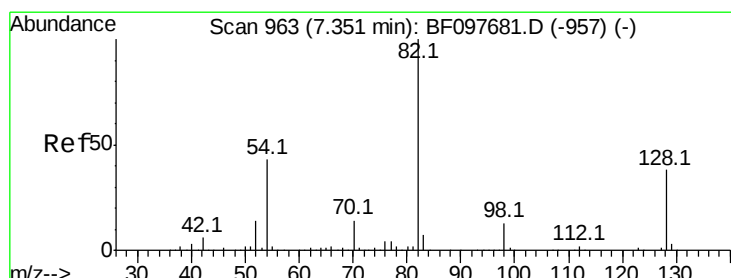
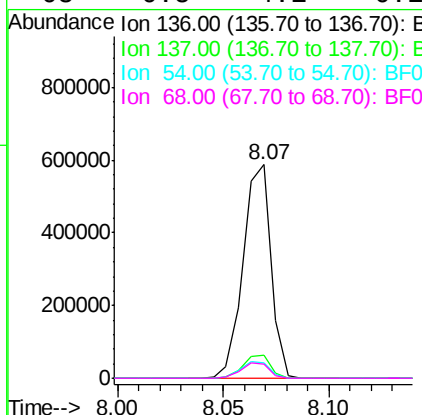
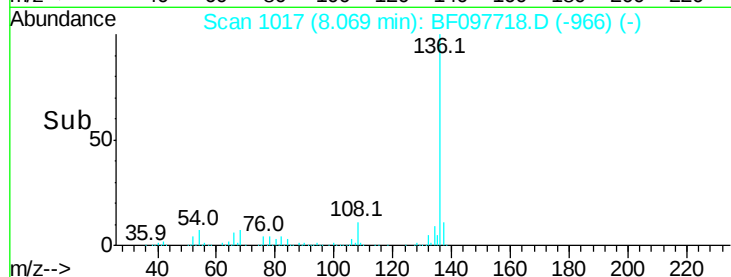
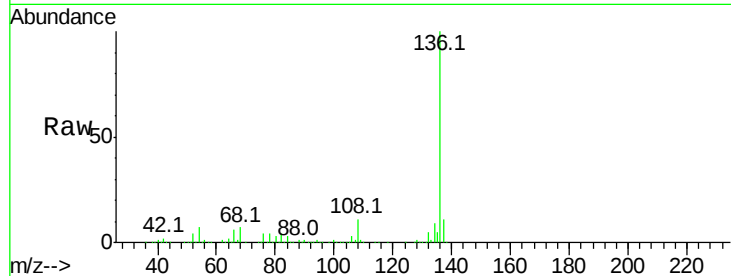
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.5	12.7
54	7.1	4.9	7.3
68	6.5	4.1	6.1#

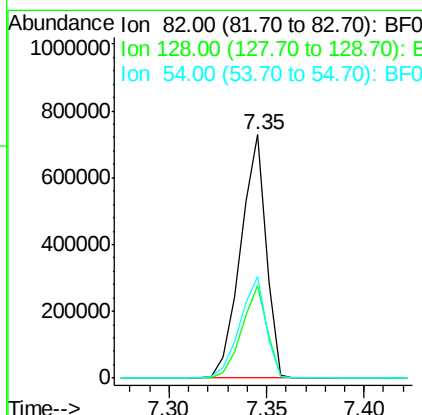
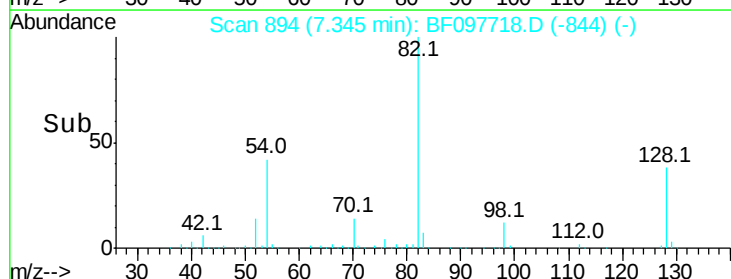
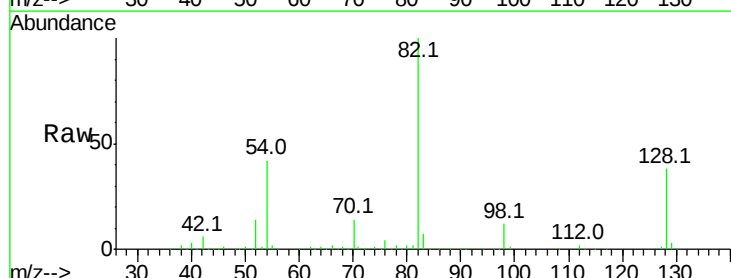
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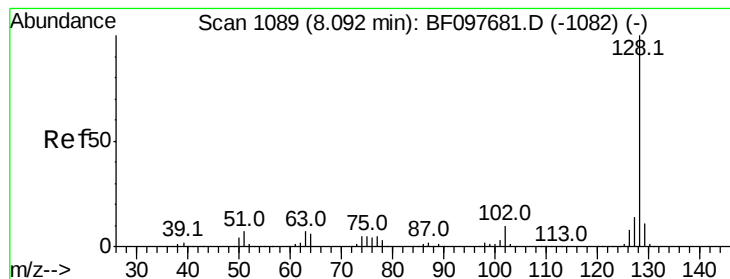
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#23
Nitrobenzene-d5
Concen: 66.795 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	37.9	34.0	51.0
54	41.5	42.2	63.2#





#31

Naphthalene

Concen: 13.968 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF097718.D

Acq: 16 Aug 2017 4:30

Instrument :

BNA_F

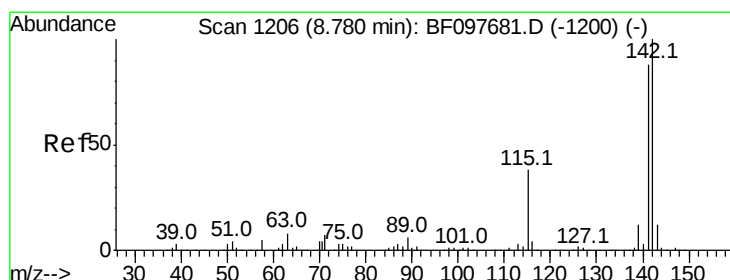
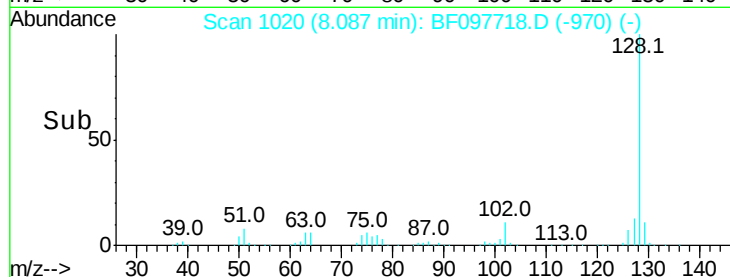
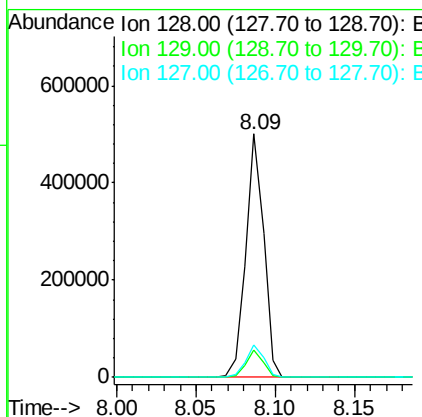
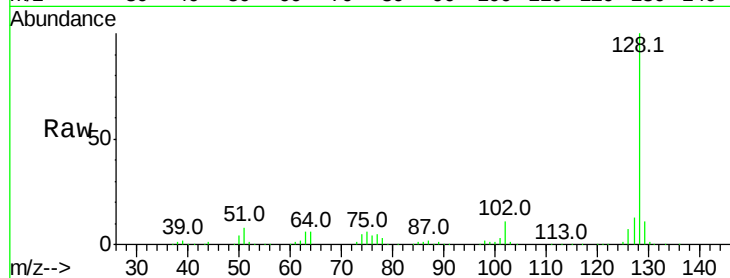
ClientSampleId :

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Tot Ion:	128	Resp:	389051
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.0	13.6
127	13.4	10.8	16.2

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#37

2-Methylnaphthalene

Concen: 3.167 ng

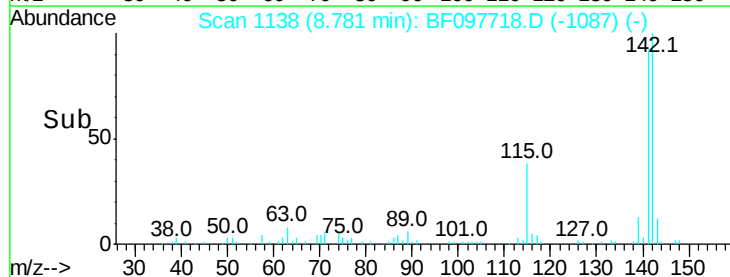
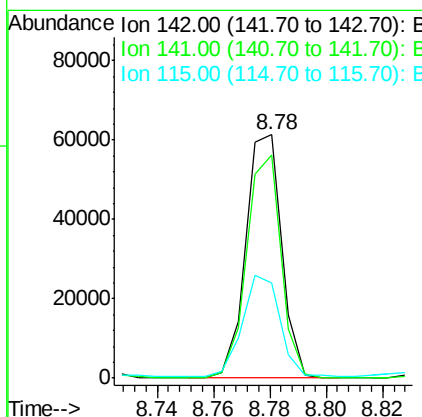
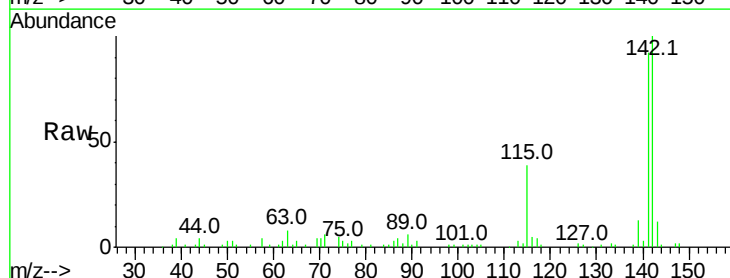
RT: 8.78 min Scan# 1138

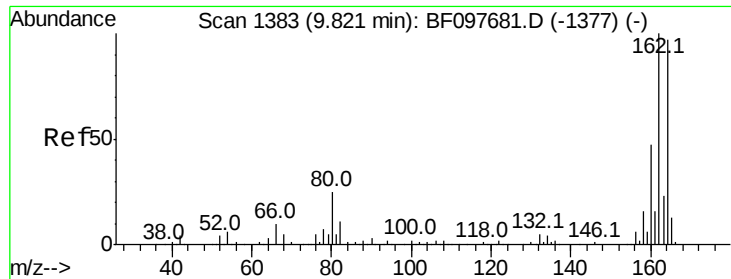
Delta R.T. 0.00 min

Lab File: BF097718.D

Acq: 16 Aug 2017 4:30

Tgt Ion:	142	Resp:	54075
Ion Ratio	Lower	Upper	
142	100		
141	91.7	71.3	106.9
115	38.9	27.1	40.7





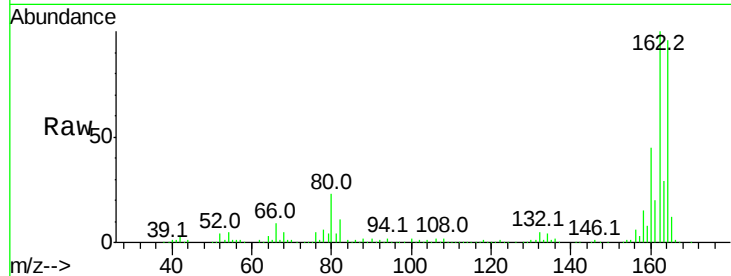
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: BF097718.D
 Acq: 16 Aug 2017 4:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-COMP

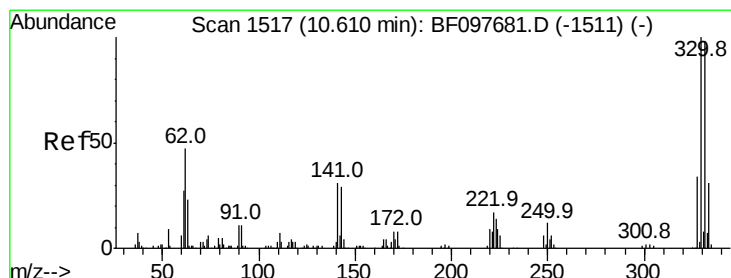
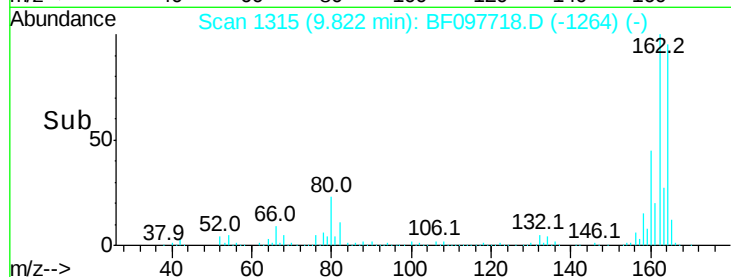
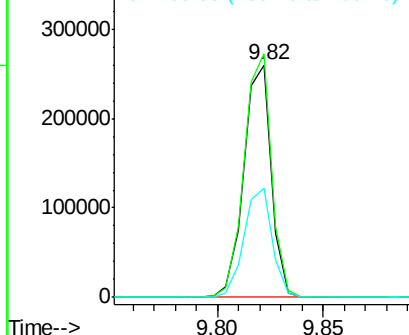
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.6	123.8
160	47.0	36.2	54.2

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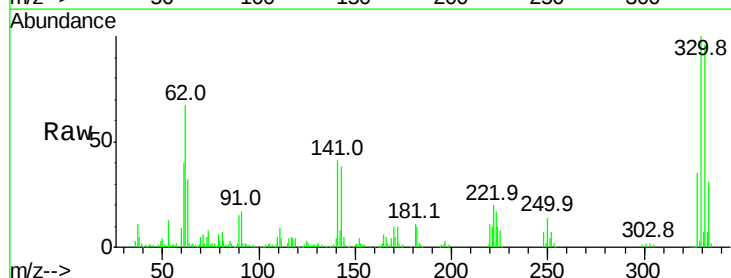


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

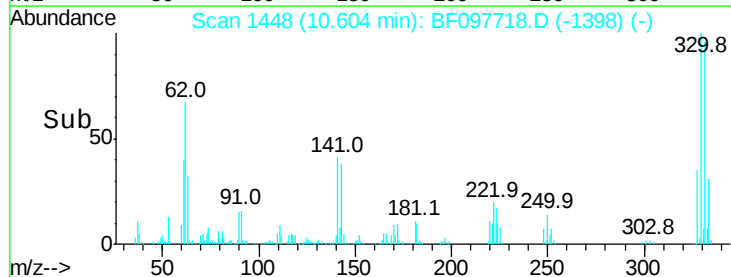
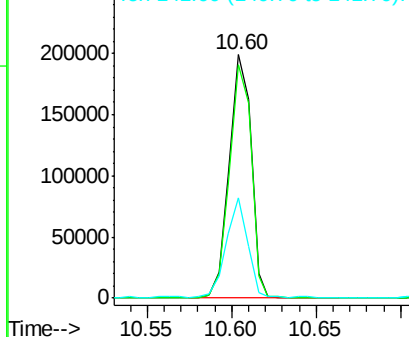


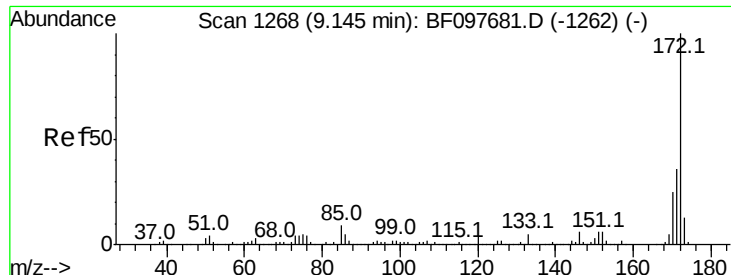
#41
 2,4,6-Tribromophenol
 Concen: 88.496 ng
 RT: 10.60 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF097718.D
 Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	40.2	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





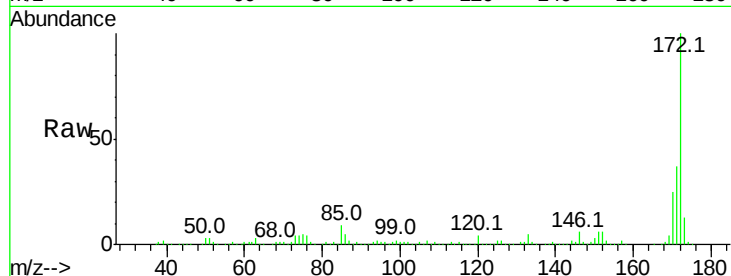
#44
2-Fluorobiphenyl
Concen: 58.303 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Instrument :
BNA_F
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SB-30-COMP

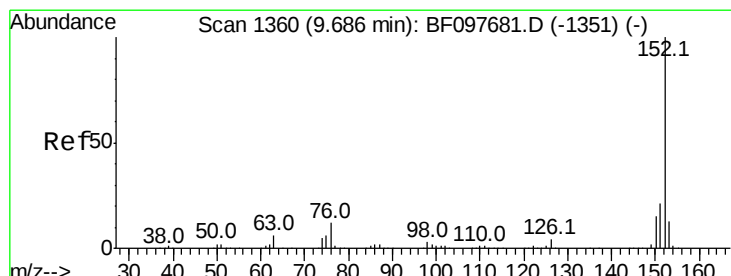
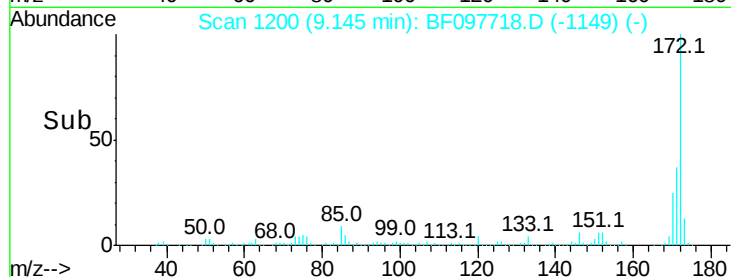
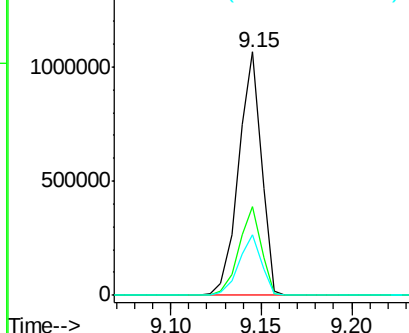
Tot Ion	Ratio	Resp	Lower	Upper
172	100	928874		
171	36.7		29.6	44.4
170	25.0		19.8	29.8

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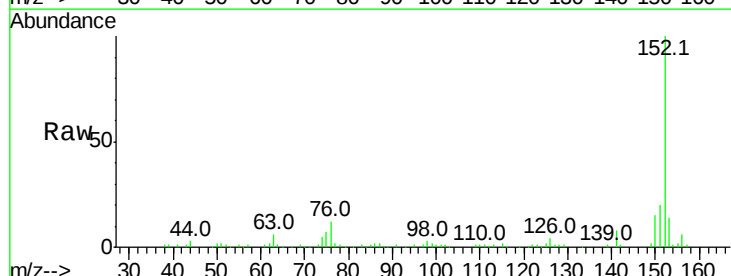


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

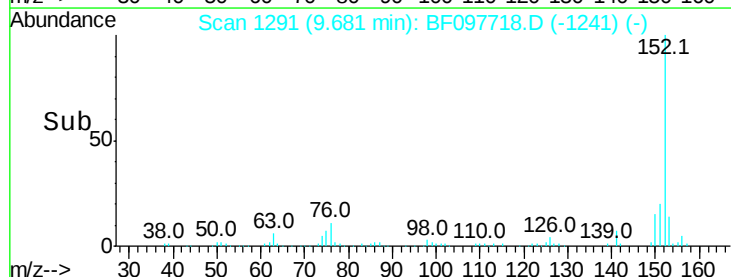
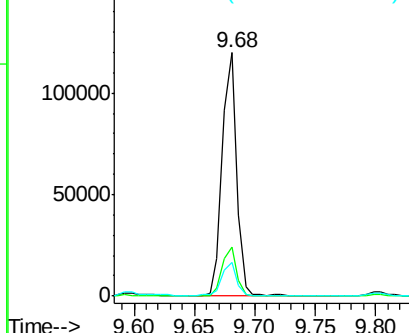


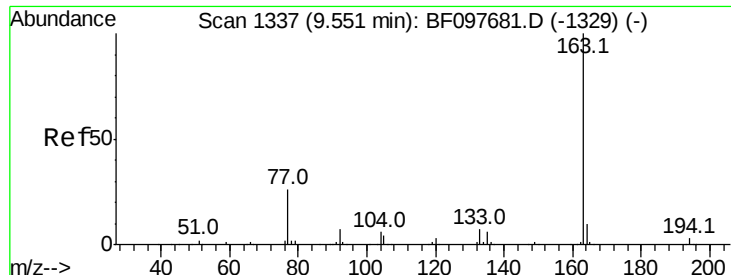
#48
Acenaphthylene
Concen: 4.013 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	99391		
151	19.9		16.8	25.2
153	13.9		10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





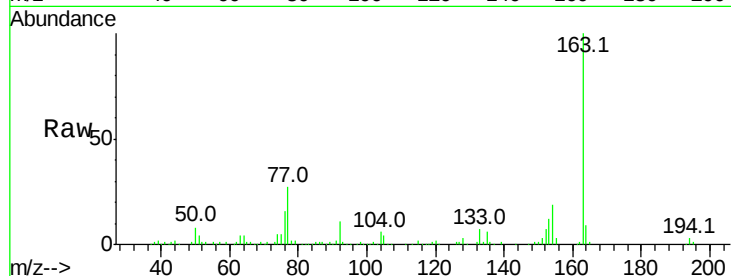
#49
Dimethylphthalate
Concen: 6.856 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

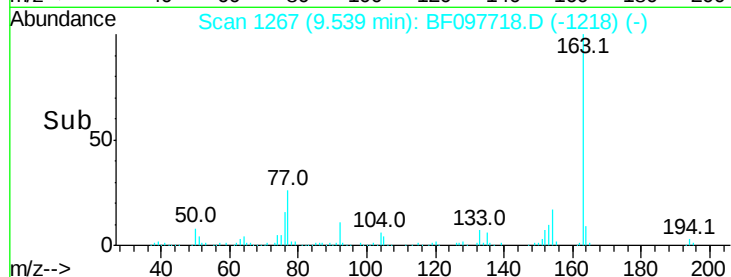
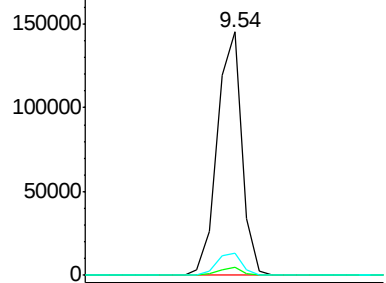
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.4	2.6	4.0	
164	9.0	8.4	12.6	

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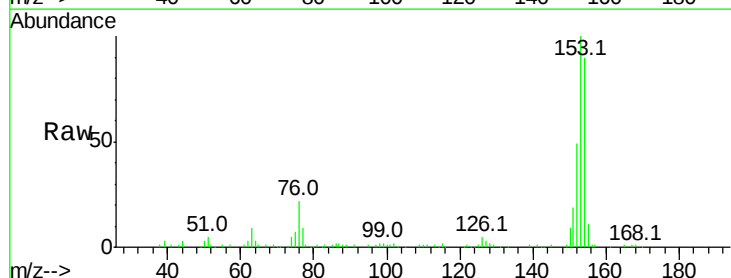
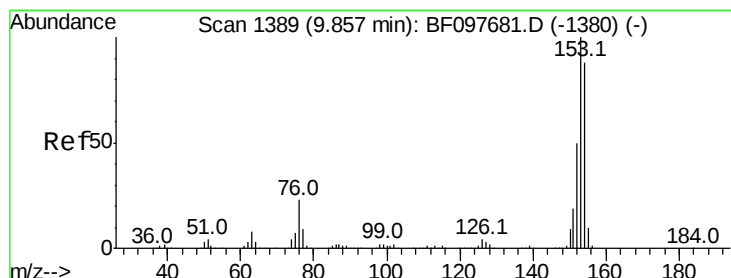
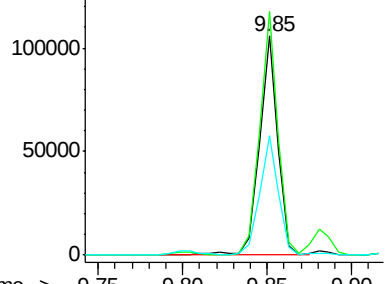
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

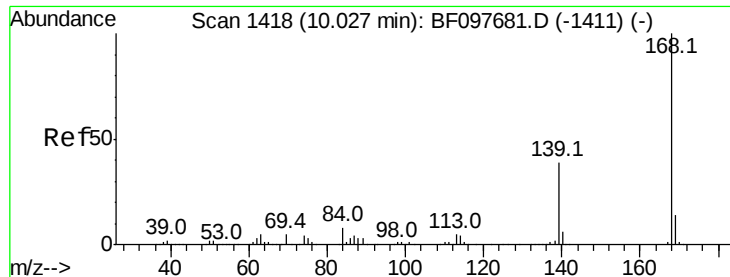


#51
Acenaphthene
Concen: 5.168 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.3	90.5	135.7	
152	54.7	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





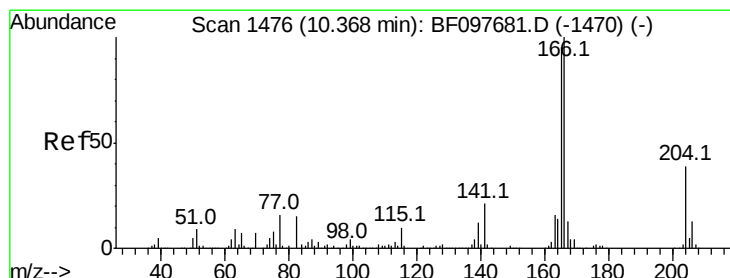
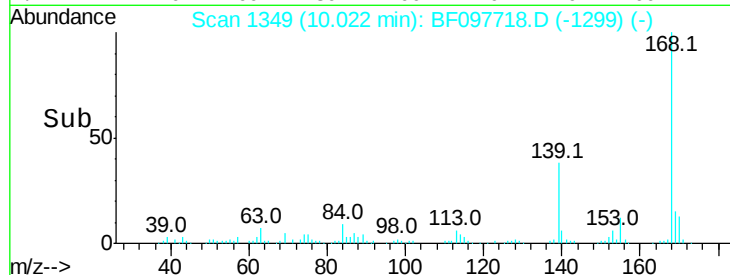
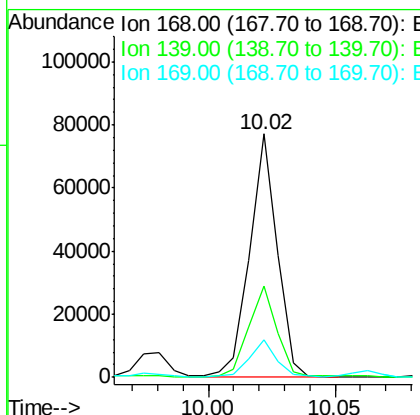
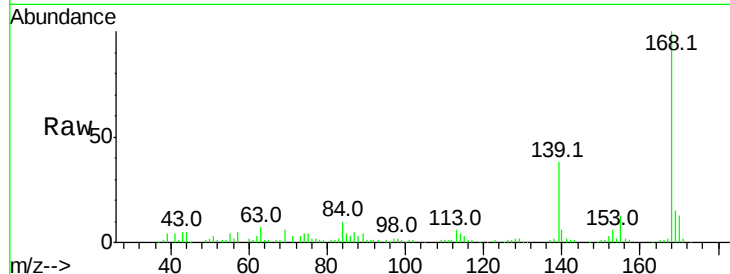
#54
Dibenzenofuran
Concen: 2.808 ng
RT: 10.02 min Scan# 1349
Delta R.T. -0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Instrument :
BNA_F
ClientSampled :
SB-30-COMP

Tot Ion	Ratio	Resp	Lower	Upper
168	100	58778		
139	37.7		30.6	45.8
169	15.4		10.8	16.2

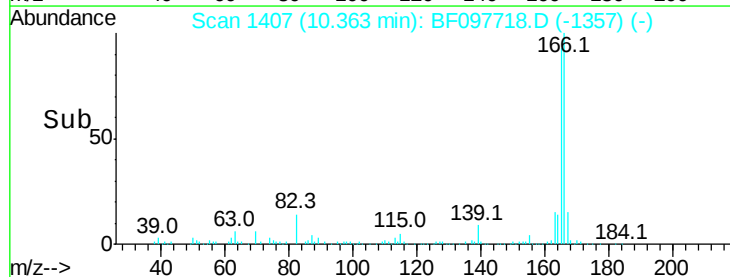
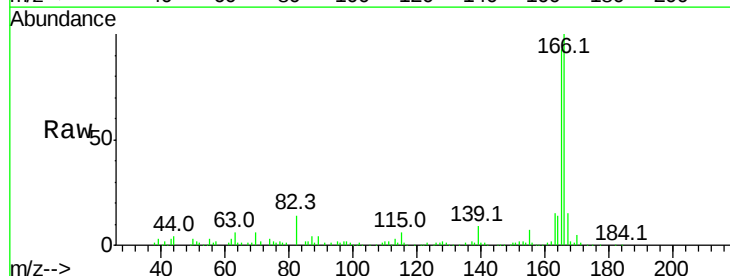
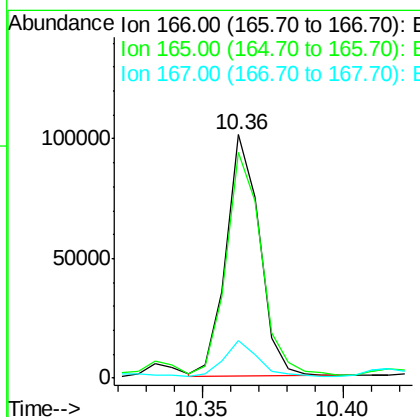
Manual Integrations
APPROVED

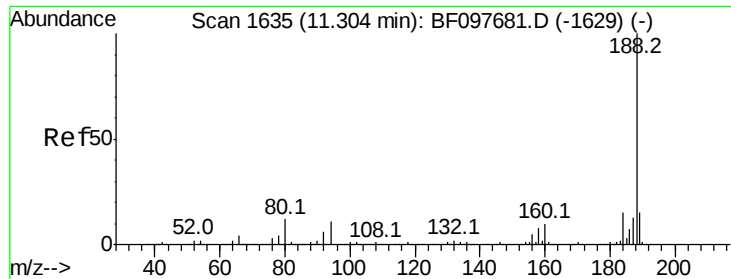
Sohil
8/16/2017 6:49:19 PM



#57
Fluorene
Concen: 5.156 ng
RT: 10.36 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	83456		
165	92.5		78.8	118.2
167	15.4		10.6	16.0





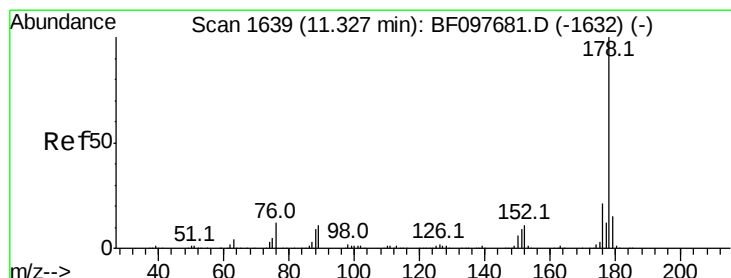
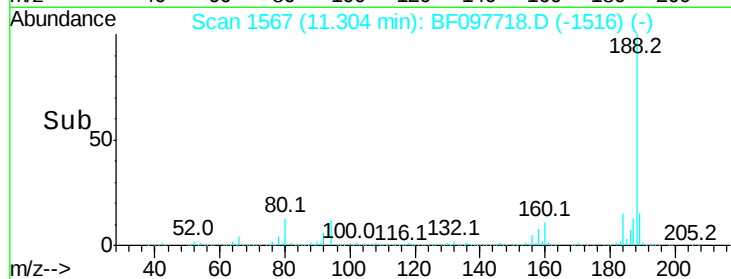
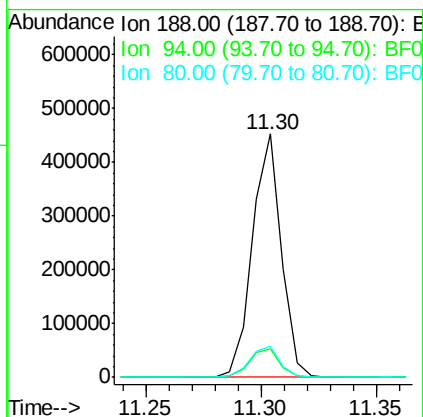
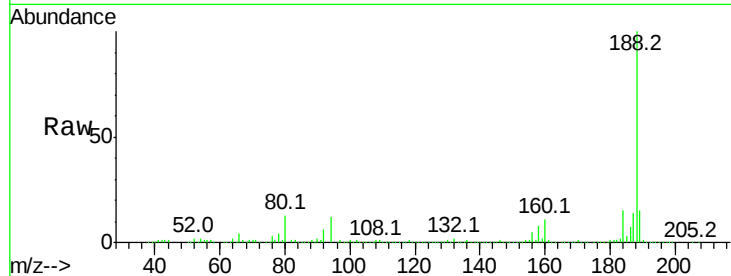
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.00 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.9	9.4	14.2
80	12.8	10.2	15.2

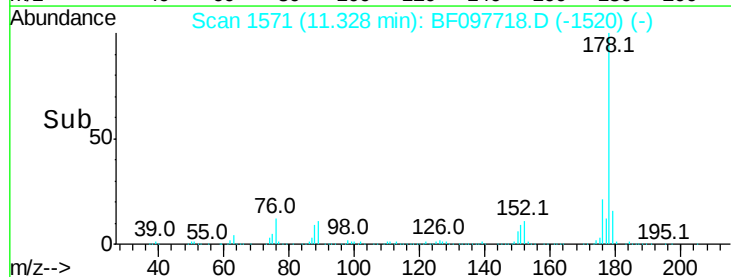
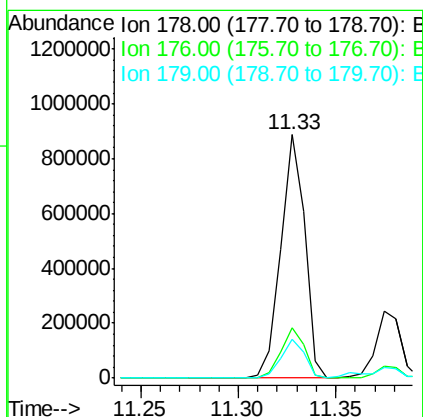
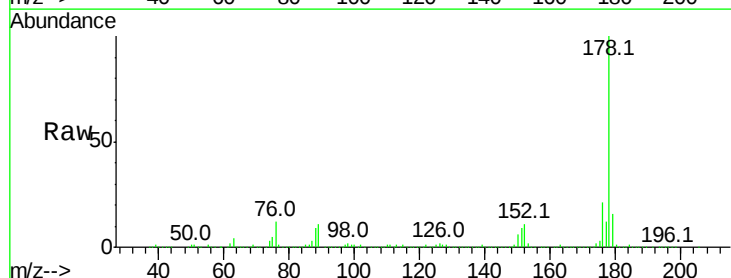
Manual Integrations
APPROVED

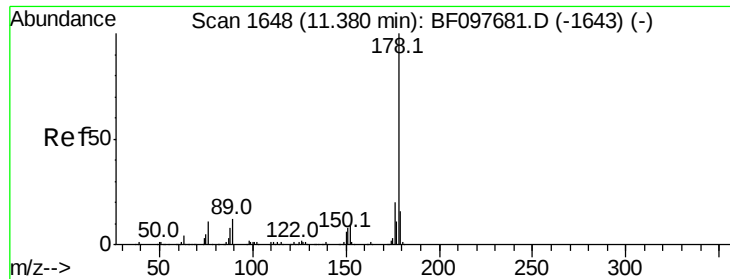
Sohil
8/16/2017 6:49:19 PM



#70
Phenanthrene
Concen: 35.979 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.8	16.2	24.4
179	15.9	12.6	19.0





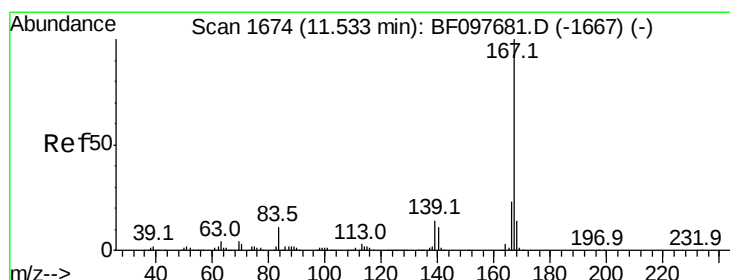
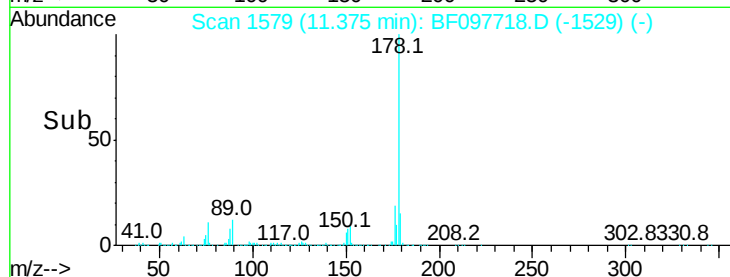
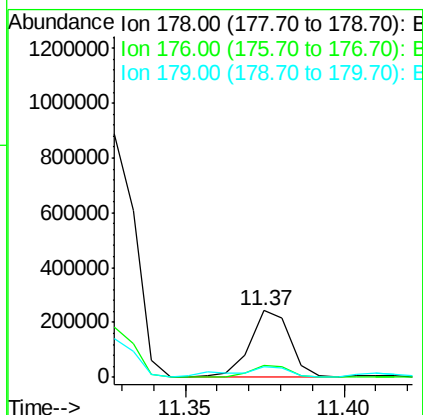
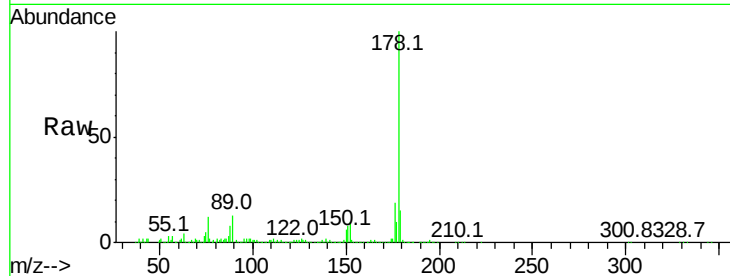
#71
 Anthracene
 Concen: 9.814 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF097718.D
 Acq: 16 Aug 2017 4:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.0	12.7	19.1

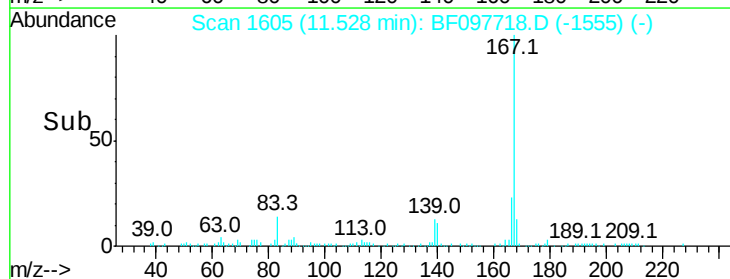
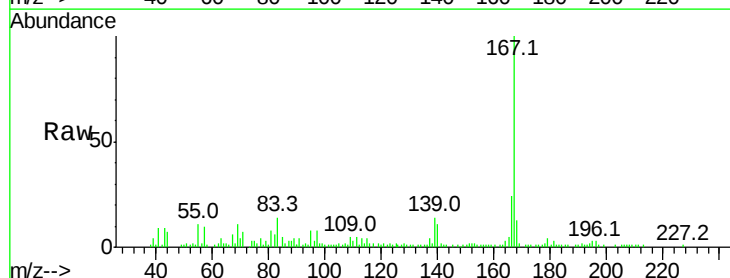
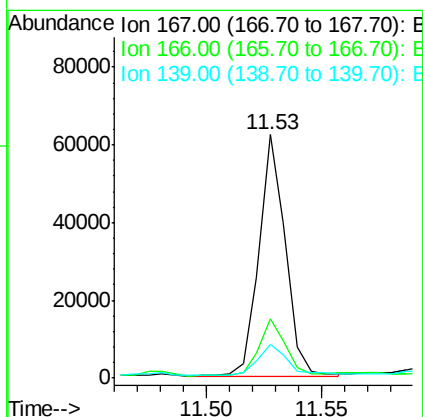
Manual Integrations
 APPROVED

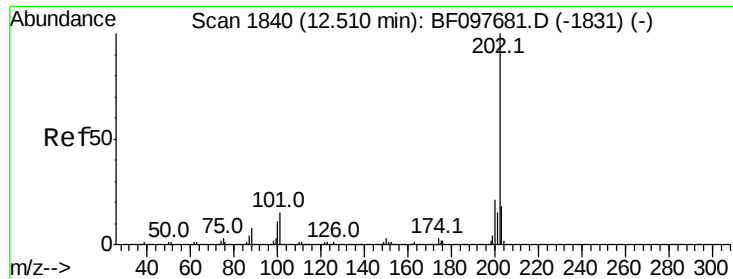
Sohil
 8/16/2017 6:49:19 PM



#72
 Carbazole
 Concen: 2.439 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF097718.D
 Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Lower	Upper
167	100		
166	24.1	18.1	27.1
139	14.0	11.7	17.5





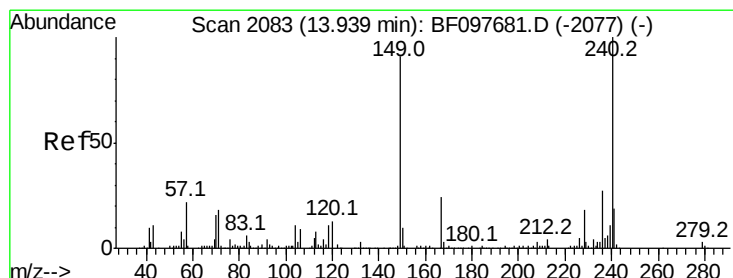
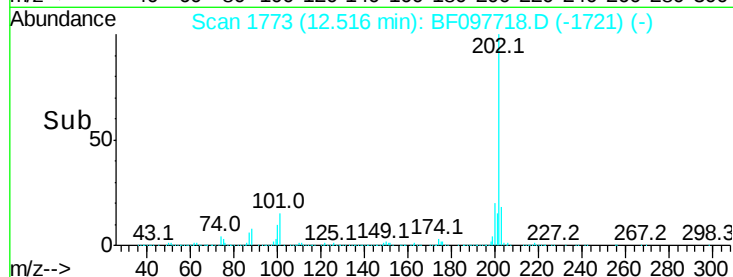
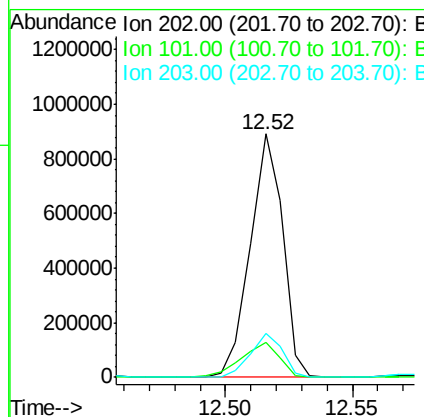
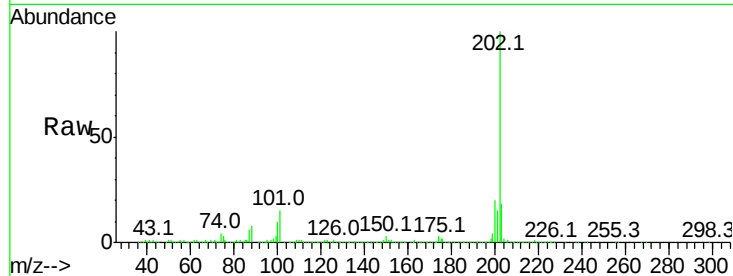
#74
 Fluoranthene
 Concen: 36.072 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BF097718.D
 Acq: 16 Aug 2017 4:30

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.6	0.0	33.2
203	17.9	0.0	38.1

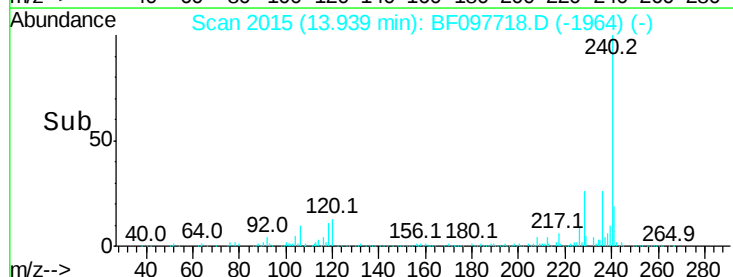
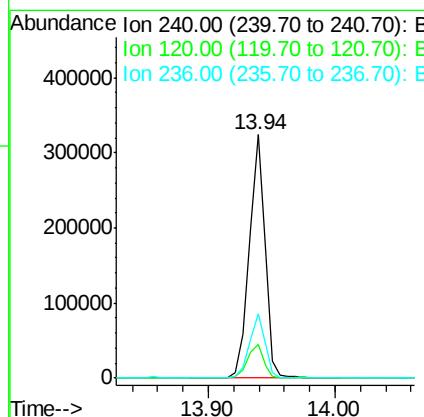
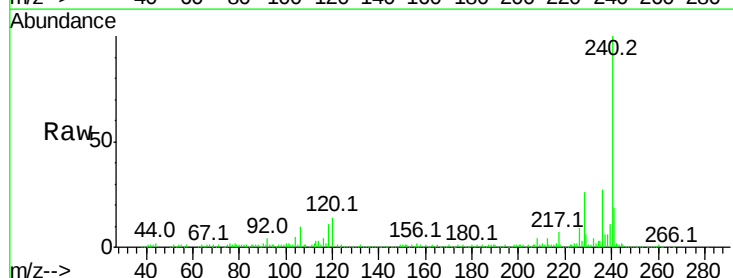
Manual Integrations
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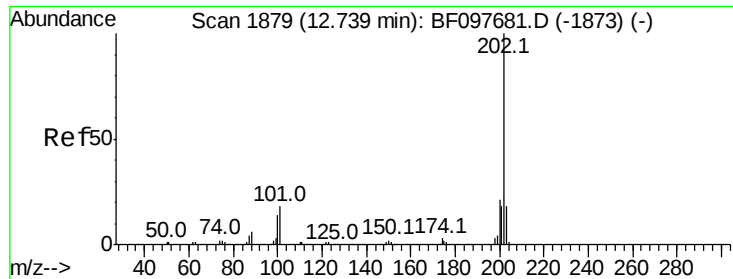
Sohil
 8/16/2017 6:49:19 PM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. 0.00 min
 Lab File: BF097718.D
 Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.6	5.8	8.8#
236	26.6	20.5	30.7





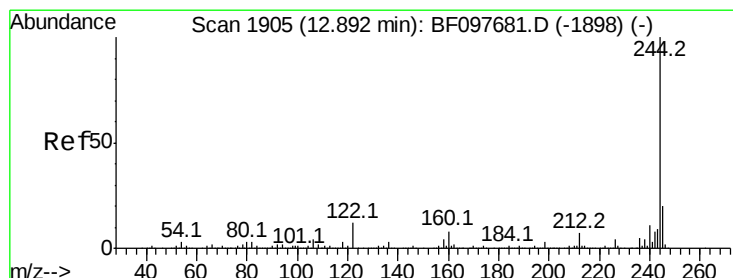
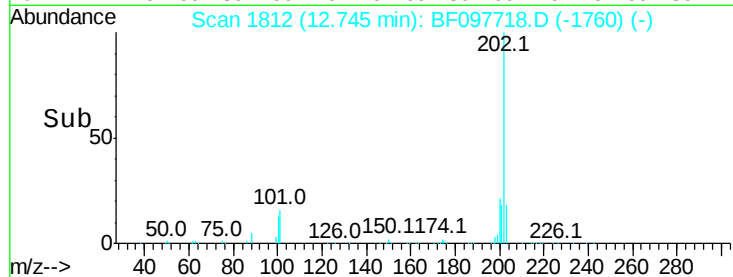
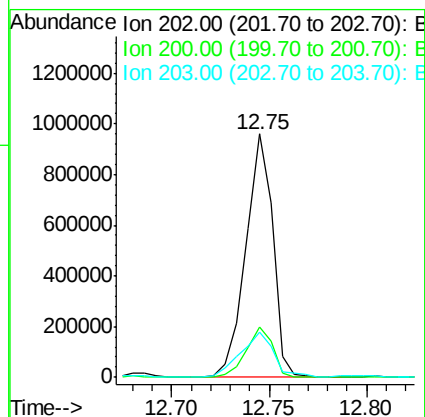
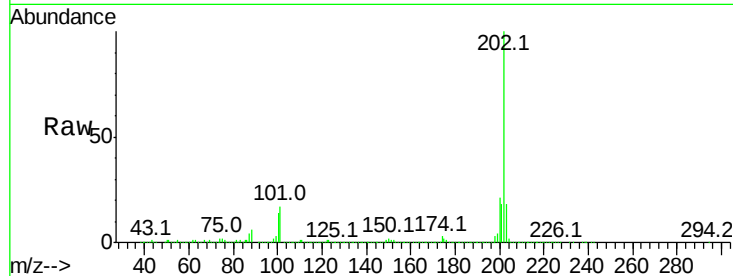
#77
Pvrene
Concen: 40.582 ng
RT: 12.75 min Scan# 1812
Delta R.T. 0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.6	26.4
203	18.4	14.4	21.6

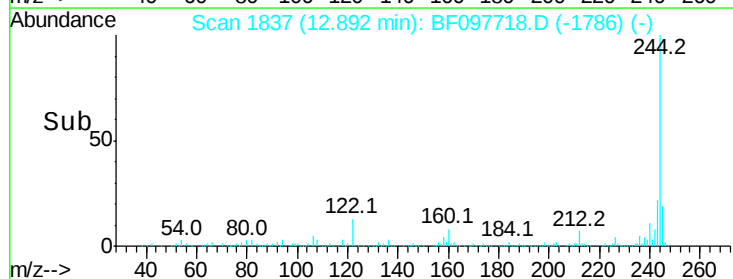
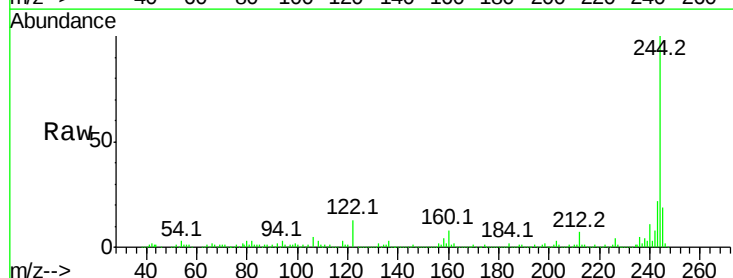
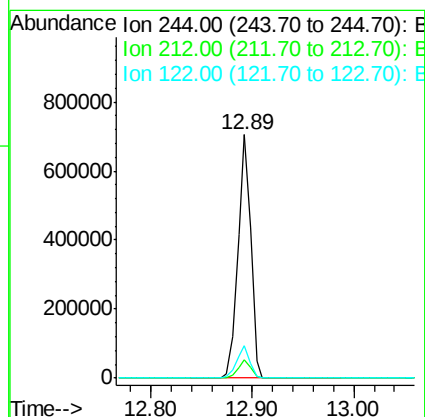
Manual Integrations
APPROVED

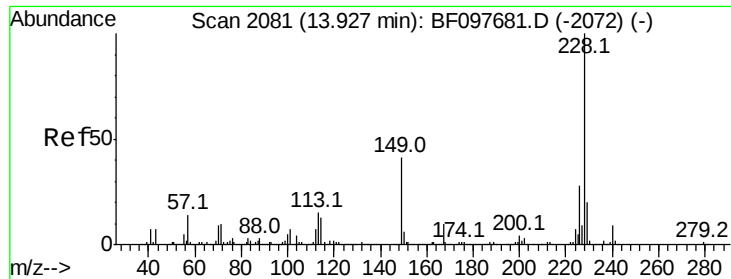
Sohil
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#78
Terphenyl-d14
Concen: 46.536 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	6.0	9.0
122	13.2	10.3	15.5





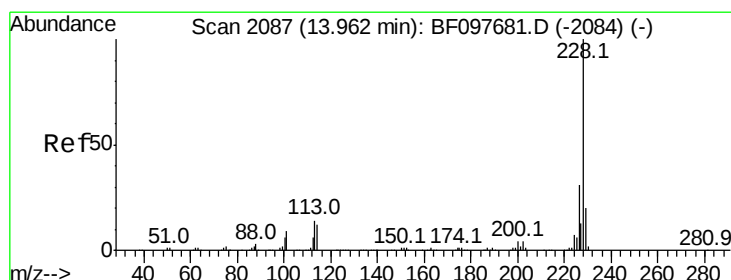
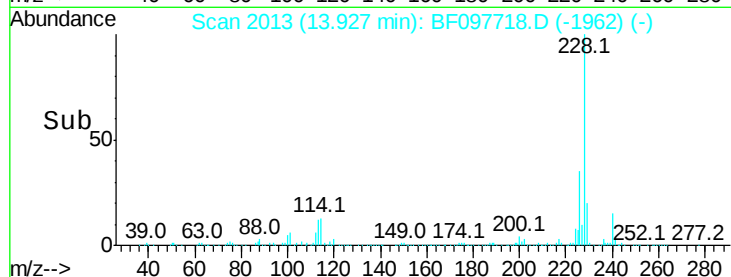
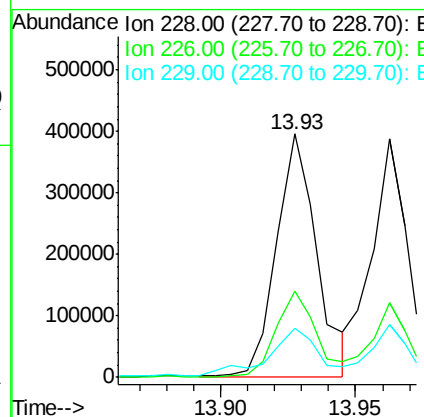
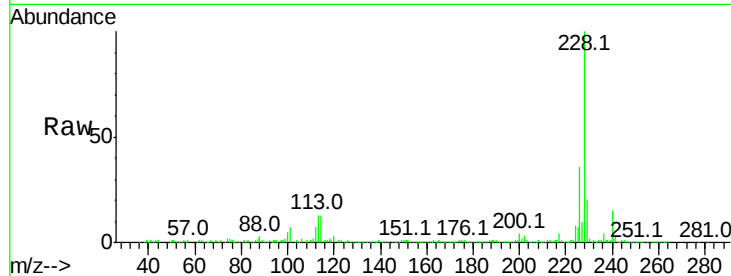
#80
Benzo(a)anthracene
Concen: 24.787 ng m
RT: 13.93 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Instrument :
BNA_F
ClientSampled :
SB-30-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.6	22.6	33.8#
229	20.3	16.3	24.5

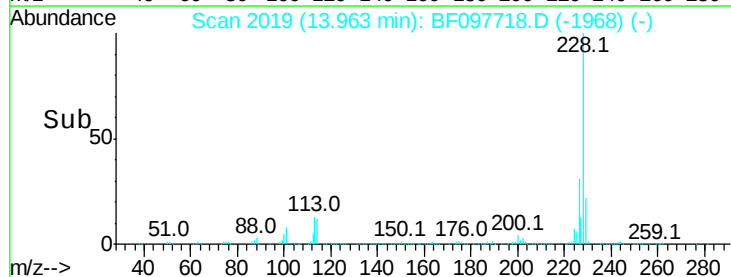
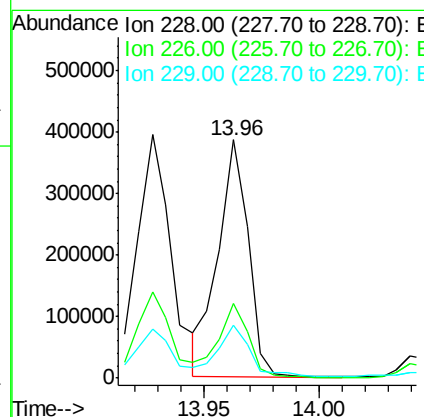
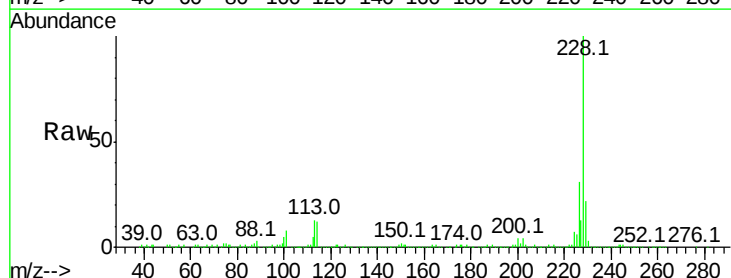
Manual Integrations
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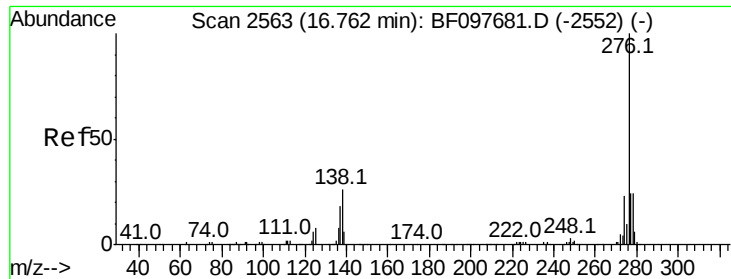
Sohil
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#82
Chrysene
Concen: 21.267 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.9	37.3
229	22.1	15.8	23.6





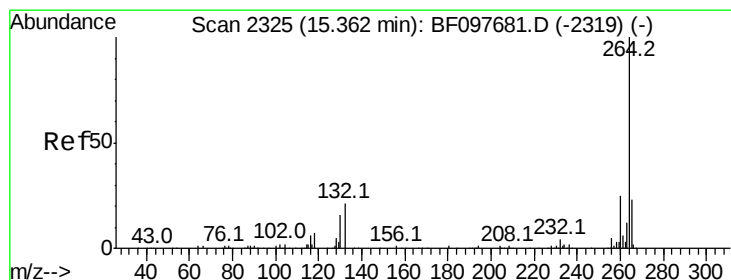
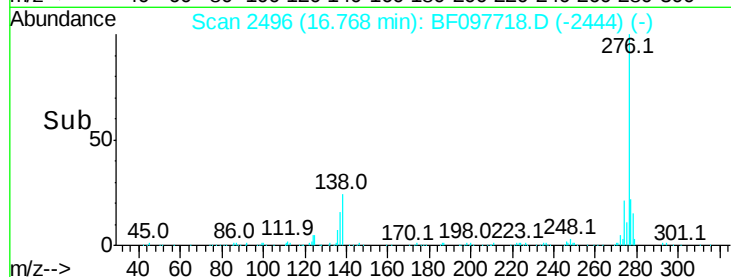
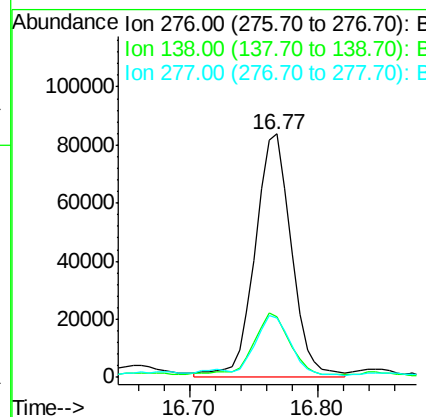
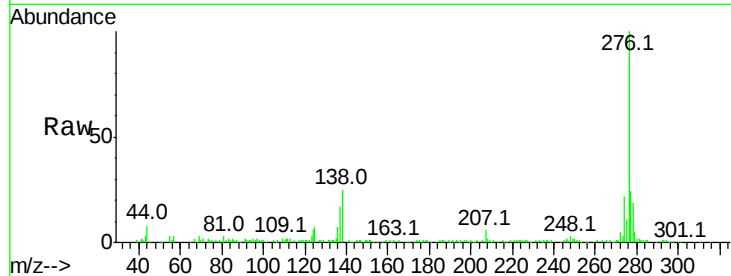
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.587 ng/ml
 RT: 16.77 min Scan# 2496
 Delta R.T. 0.01 min
 Lab File: BF097718.D
 Acq: 16 Aug 2017 4:30

Instrument :
 BNA_F
 ClientSampled :
 SB-30-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	5.1	27.8	41.6#
277	4.6	20.2	30.4#

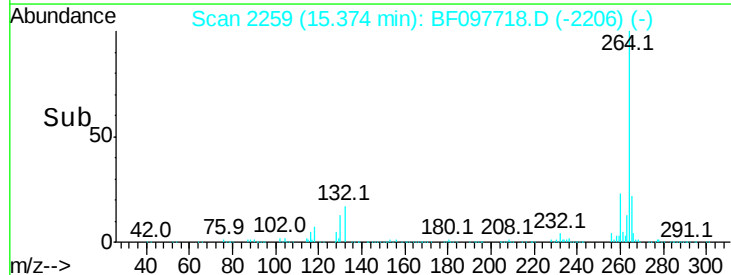
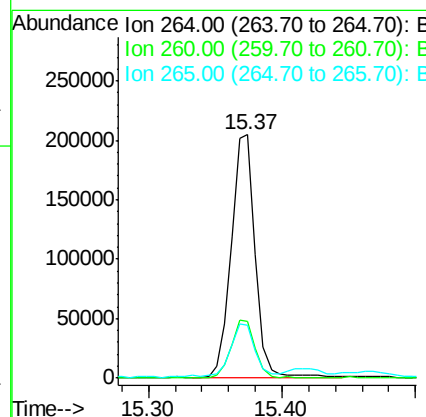
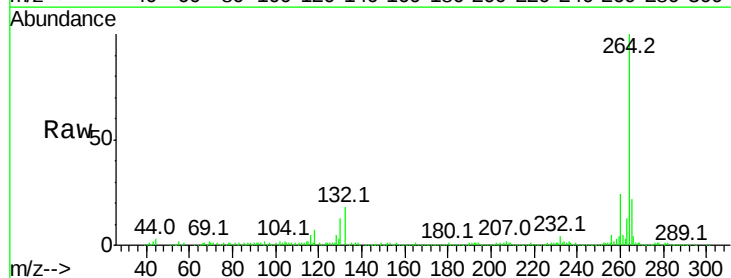
Manual Integrations
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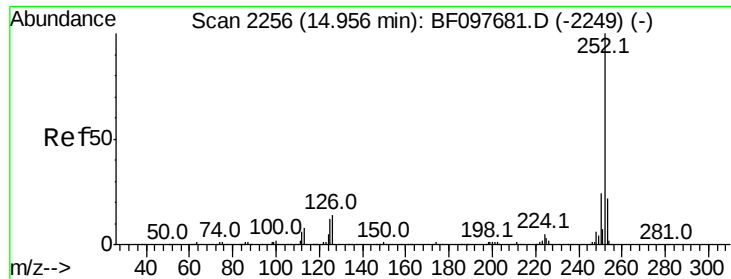
Sohil
 8/16/2017 6:49:19 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2259
 Delta R.T. 0.01 min
 Lab File: BF097718.D
 Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.8	17.2	25.8





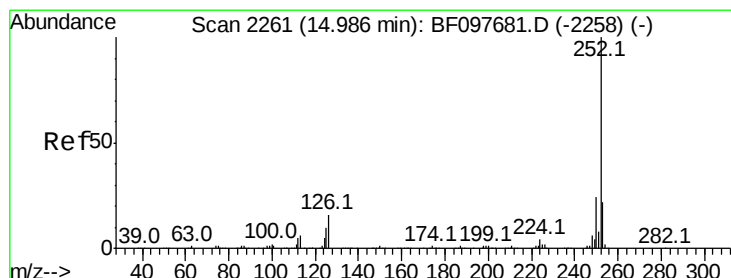
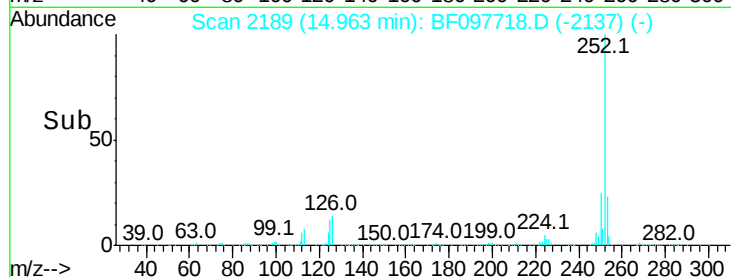
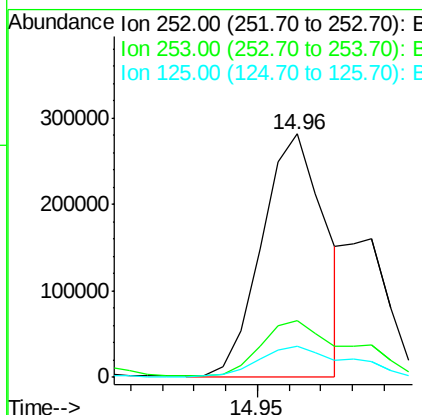
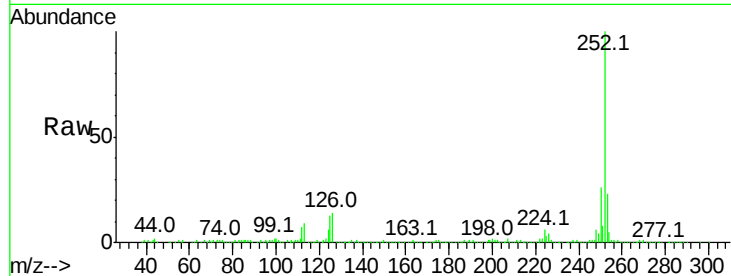
#87
Benzo(b)fluoranthene
Concen: 24.266 ng m
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

Tot Ion	Ratio	Resp	Lower	Upper
252	100	392744		
253	23.2	18.1	27.1	
125	12.8	9.8	14.8	

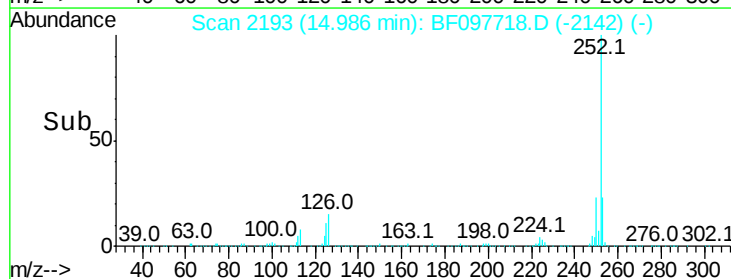
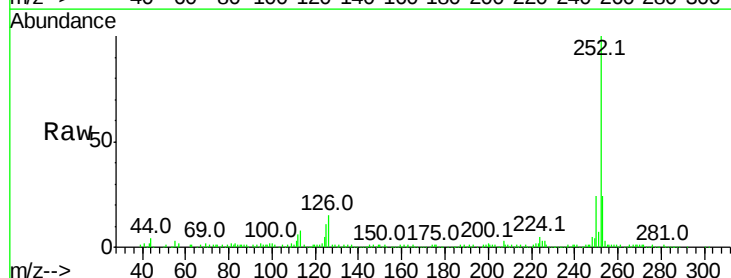
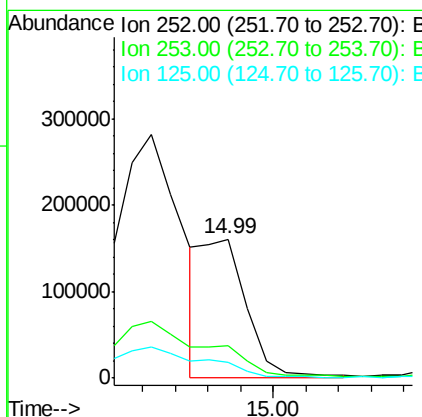
Manual Integrations
APPROVED

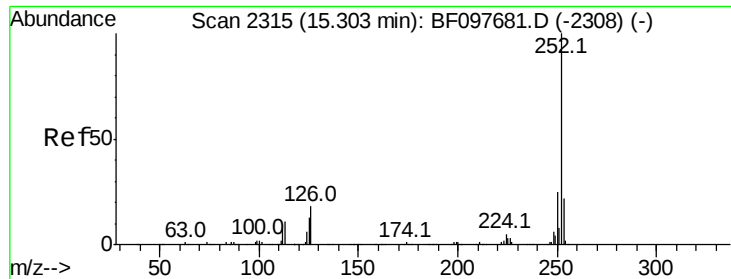
Sohil
8/16/2017 6:49:19 PM



#88
Benzo(k)fluoranthene
Concen: 10.044 ng m
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	152725		
253	23.6	18.4	27.6	
125	11.3	13.1	19.7	





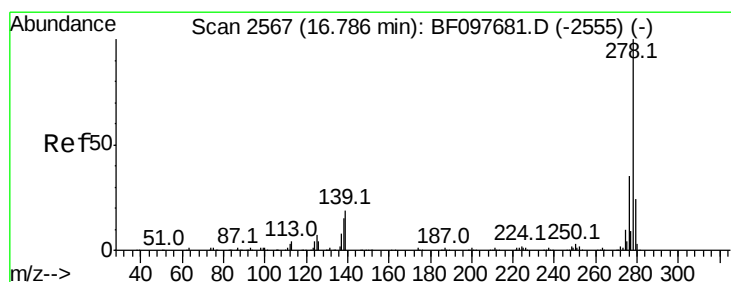
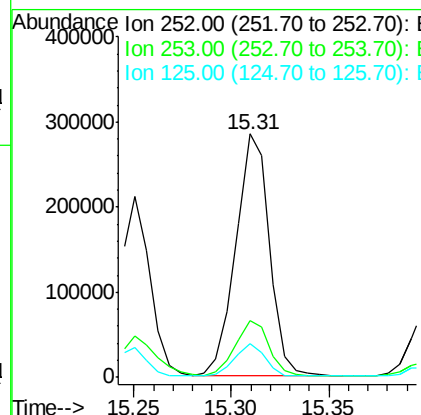
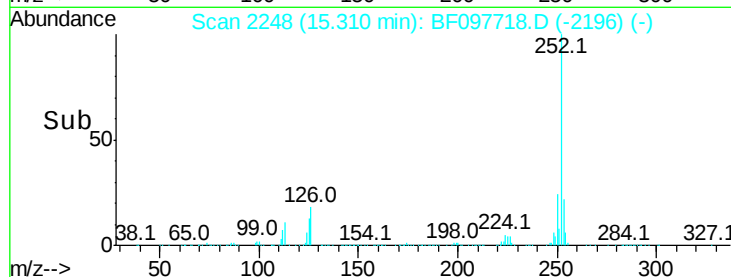
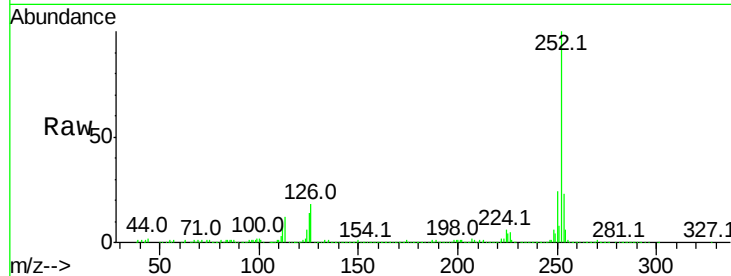
#89
Benzo(a)pyrene
Concen: 23.636 ng
RT: 15.31 min Scan# 2248
Delta R.T. 0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

Tot Ion:	252	Resp:	338658
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.5	26.3
125	13.7	11.0	16.4

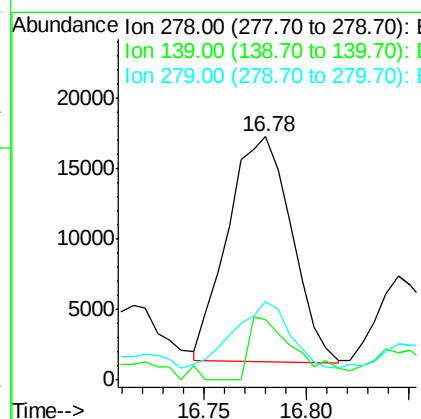
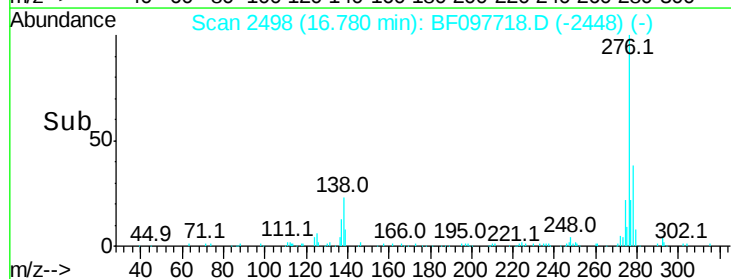
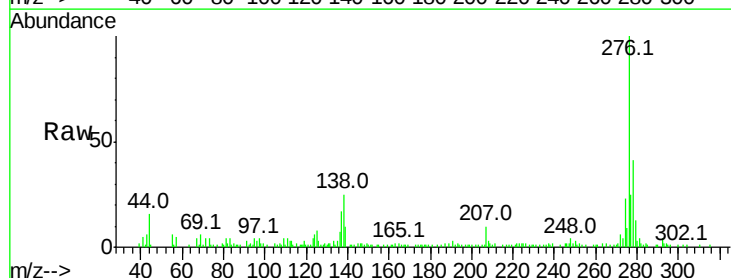
Manual Integrations
APPROVED

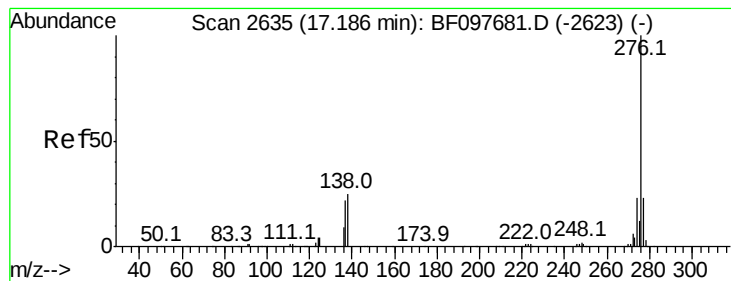
Sohil
8/16/2017 6:49:19 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.957 ng m
RT: 16.78 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BF097718.D
Acq: 16 Aug 2017 4:30

Tgt Ion:	278	Resp:	34491
Ion Ratio	Lower	Upper	
278	100		
139	24.7	16.6	24.8
279	32.2	19.3	28.9#





#91

Benzo(a,h,i)perylene

Concen: 14.516 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.00 min

Lab File: BF097718.D

Acq: 16 Aug 2017 4:30

Instrument :

BNA_F

ClientSampleId :

SB-30-COMP

Tot Ion: 276 Resp: 176672

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 26.6 25.4 38.0

Manual Integrations

APPROVED

Sohil

8/16/2017 6:49:19 PM

