

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097182.D
 Acq On : 29 Jul 2017 4:24
 Operator : SJ/JU
 Sample : I4380-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3(0-10)COMP

Manual Integrations
 APPROVED

Sohil
 7/31/2017 6:52:36 PM

Quant Time: Jul 29 05:04:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	103102	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	387895	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	137818	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	237417	20.00	ng	-0.01
75) Chrysene-d12	13.62	240	184488	20.00	ng	-0.01
86) Perylene-d12	14.97	264	133942	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	670556	98.04	ng	-0.01
7) Phenol-d6	6.16	99	787489	100.86	ng	-0.01
23) Nitrobenzene-d5	7.06	82	438349	66.29	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	107069	98.33	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	662150	81.54	ng	-0.02
78) Terphenyl-d14	12.57	244	496585	54.88	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.17	94	19676	2.125	ng	83
48) Acenaphthylene	9.37	152	61298	4.610	ng	99
49) Dimethylphthalate	9.25	163	151808	14.505	ng	100
51) Acenaphthene	9.55	154	42433	5.418	ng	97
54) Dibenzofuran	9.72	168	73680	7.063	ng	98
57) Fluorene	10.06	166	96224	12.272	ng	98
70) Phenanthrene	11.02	178	958152	75.321	ng	99
71) Anthracene	11.06	178	234597	18.006	ng	99
72) Carbazole	11.23	167	62750	4.897	ng	97
74) Fluoranthene	12.20	202	960496	77.073	ng	99
77) Pyrene	12.43	202	870199	57.616	ng	99
80) Benzo(a)anthracene	13.61	228	348632	29.206	ng	97
82) Chrysene	13.64	228	295428	25.345	ng	97
85) Indeno(1,2,3-cd)pyrene	16.19	276	120118	12.018	ng	95
87) Benzo(b)fluoranthene	14.61	252	279093m	34.663	ng	
88) Benzo(k)fluoranthene	14.63	252	106841m	13.925	ng	
89) Benzo(a)pyrene	14.92	252	229737	31.176	ng	98
90) Dibenzo(a,h)anthracene	16.19	278	24217	4.008	ng	# 71
91) Benzo(a,h,i)perylene	16.56	276	109624	17.299	ng	99

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

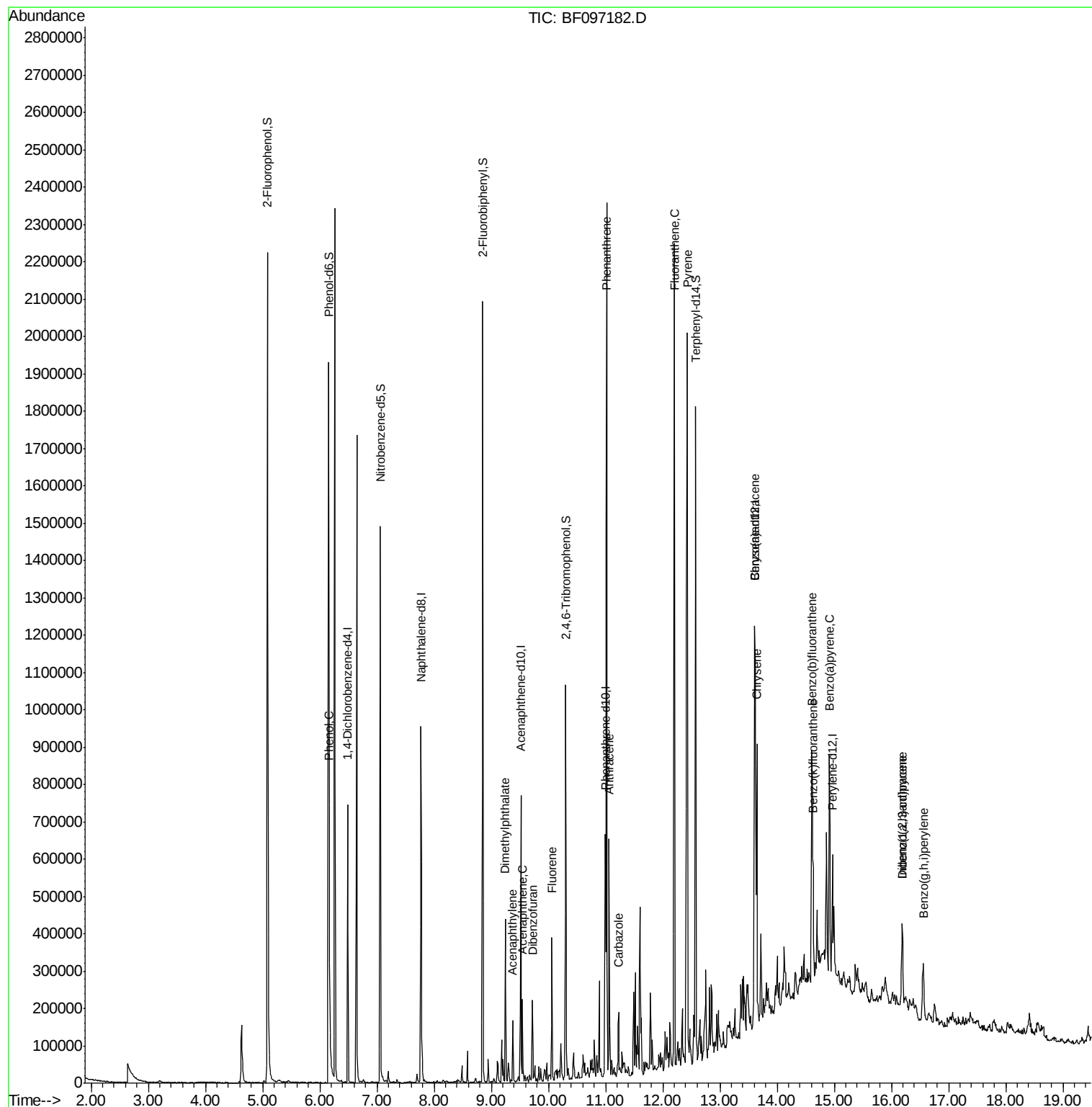
Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
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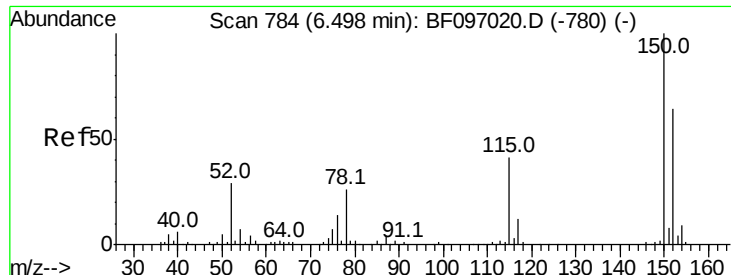
Instrument :
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#1

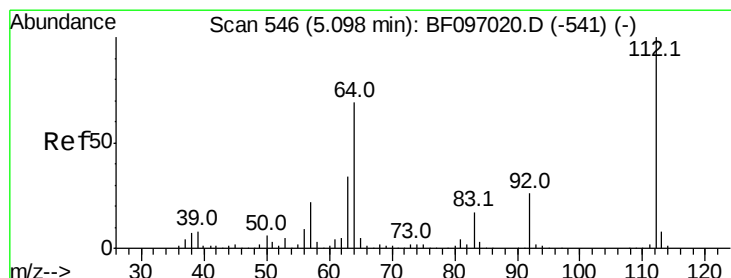
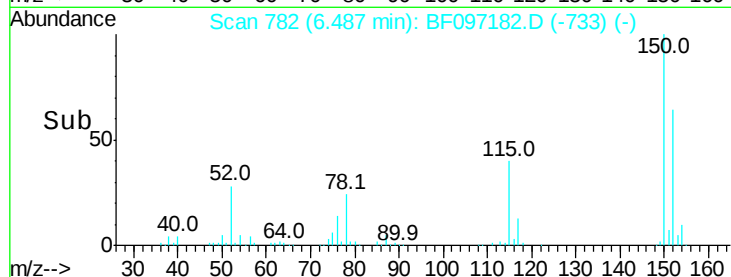
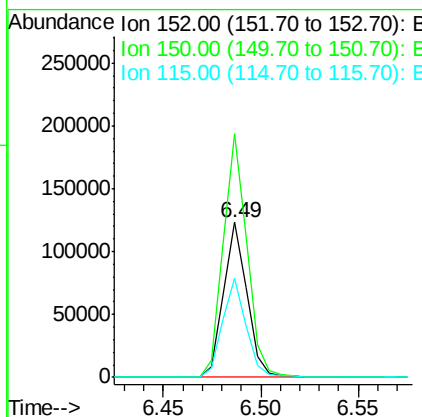
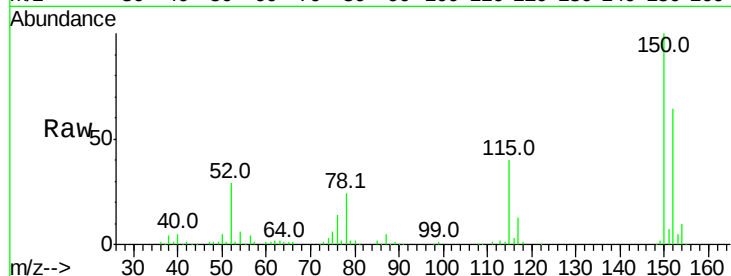
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Instrument :
BNA_F
ClientSampleId :
B3(0-10)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	63.7	52.2	78.2

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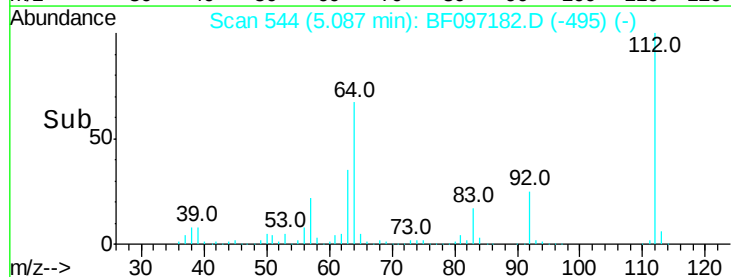
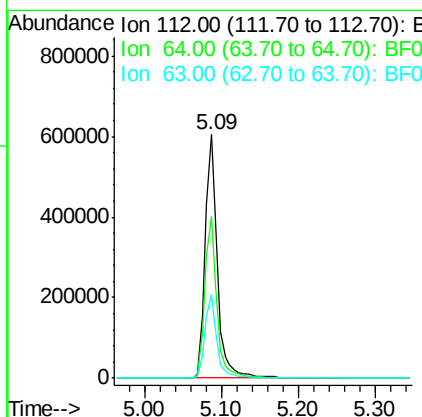
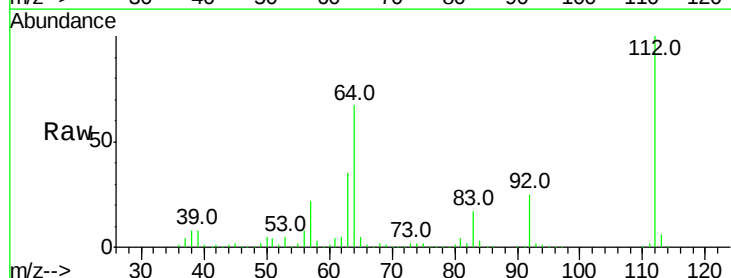
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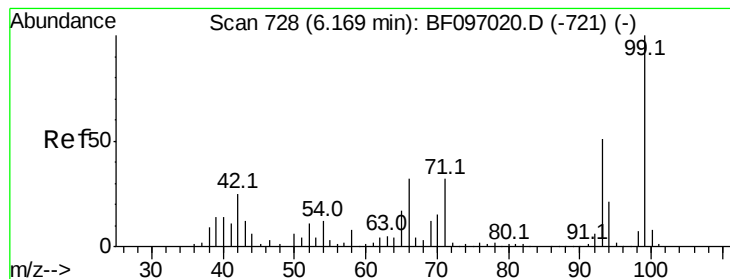


#5

2-Fluorophenol
Concen: 98.044 ng
RT: 5.09 min Scan# 544
Delta R.T. -0.01 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	46.0	69.0
63	34.6	23.4	35.0





#7

Phenol-d6

Concen: 100.858 ng

RT: 6.16 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF097182.D

Acq: 29 Jul 2017 4:24

Instrument :

BNA_F

ClientSampleId :

B3(0-10)COMP

Tot Ion: 99 Resp: 787489

Ion Ratio Lower Upper

99 100

42 22.7 13.5 20.3#

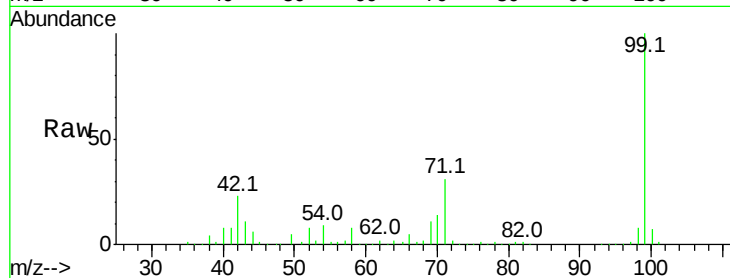
71 31.5 24.5 36.7

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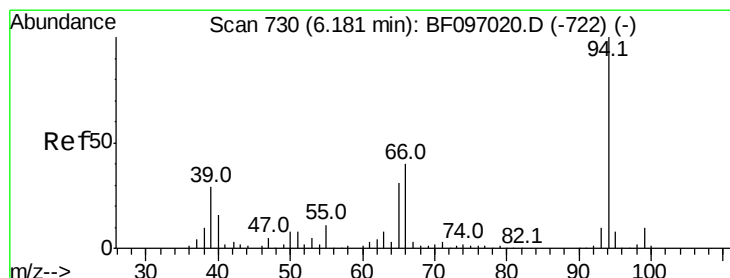
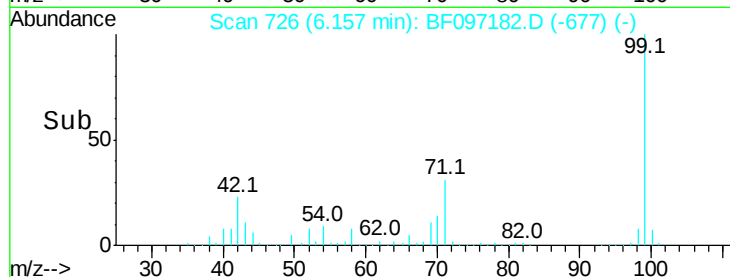
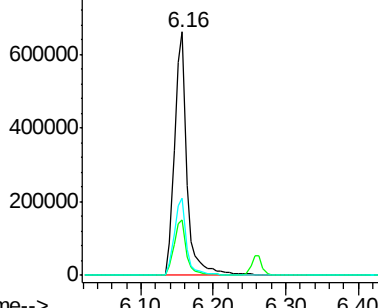
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.125 ng

RT: 6.17 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF097182.D

Acq: 29 Jul 2017 4:24

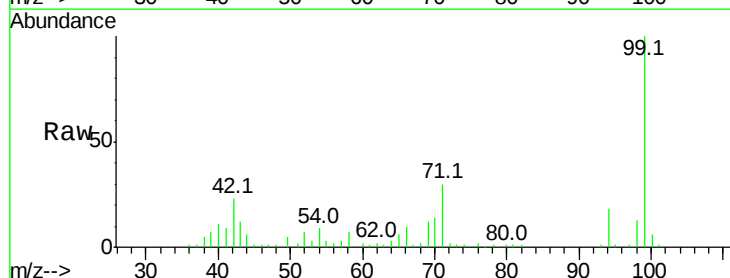
Tgt Ion: 94 Resp: 19676

Ion Ratio Lower Upper

94 100

65 33.5 9.9 49.9

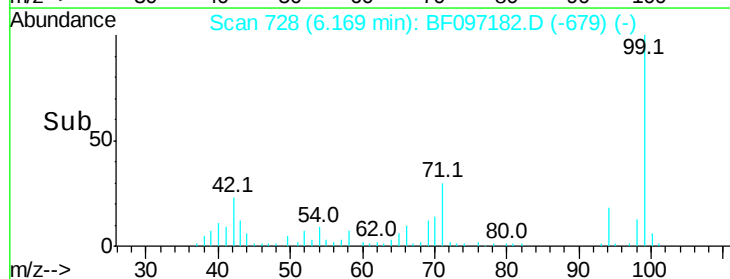
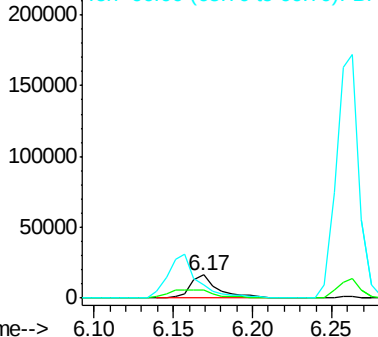
66 58.1 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF097182.D

Acq: 29 Jul 2017 4:24

Instrument :

BNA_F

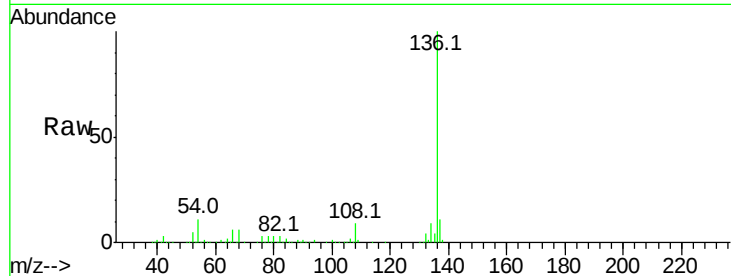
ClientSampleId :

B3(0-10)COMP

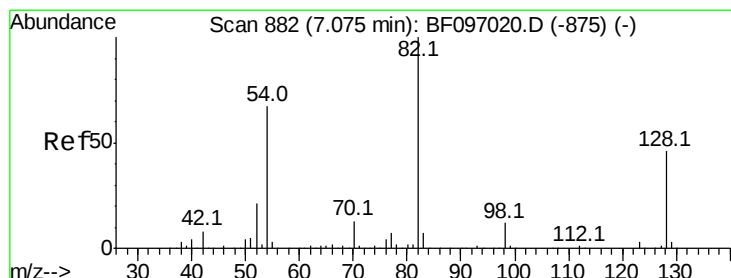
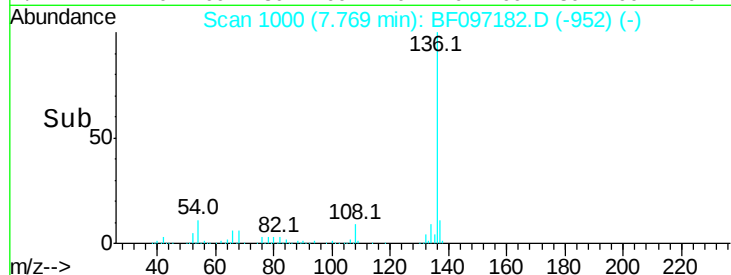
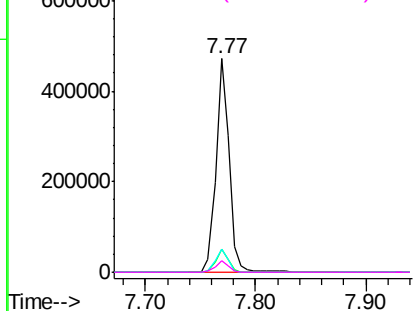
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.5	12.7	
54	10.5	4.9	7.3#	
68	5.5	4.1	6.1	

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 66.295 ng

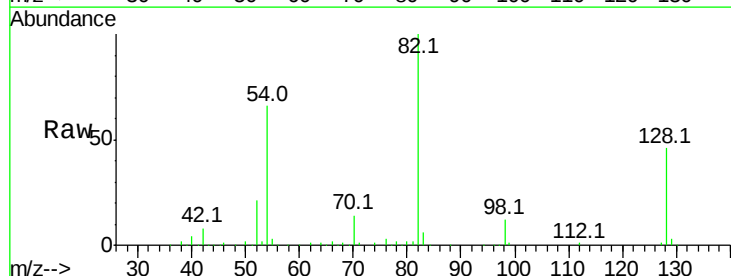
RT: 7.06 min Scan# 879

Delta R.T. -0.02 min

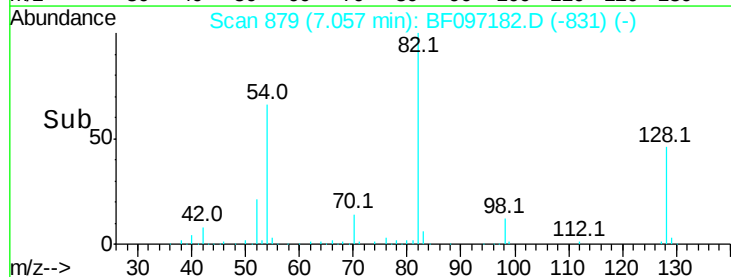
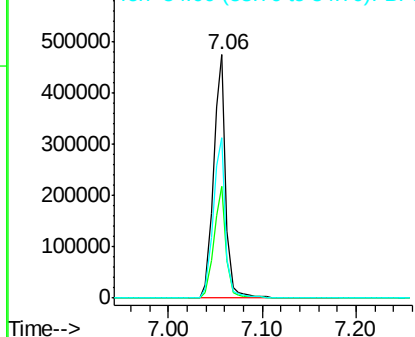
Lab File: BF097182.D

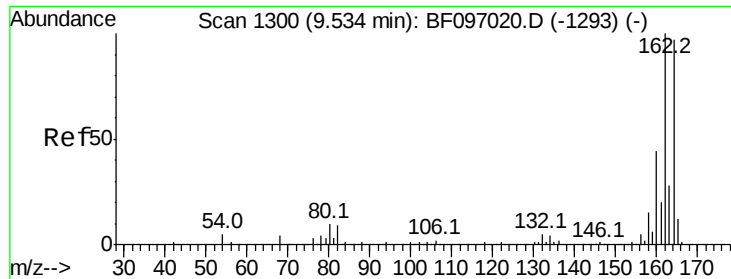
Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.2	34.0	51.0	
54	65.8	42.2	63.2#	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





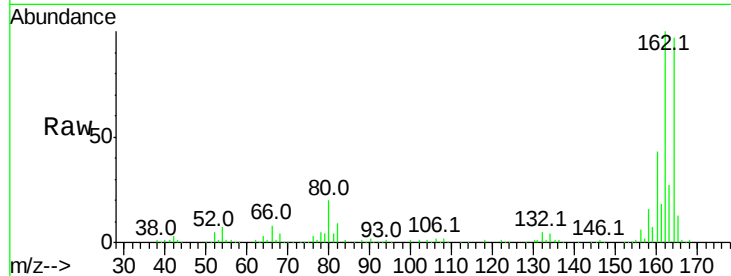
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.52 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Instrument :
BNA_F
ClientSampleId :
B3(0-10)COMP

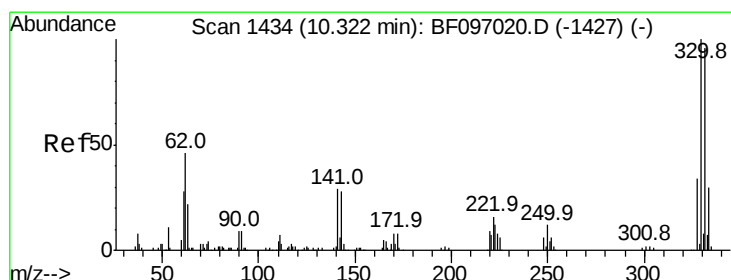
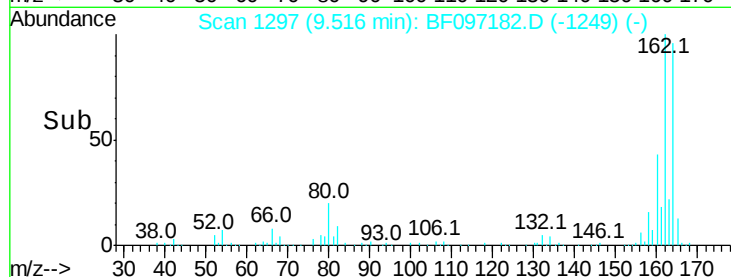
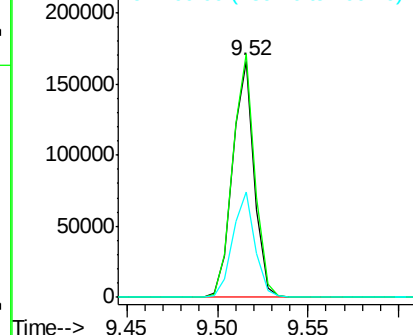
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	44.6	36.2	54.2

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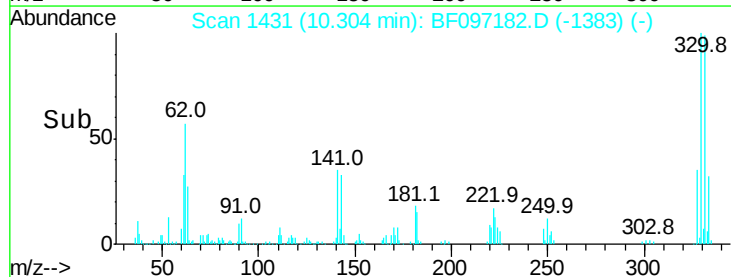
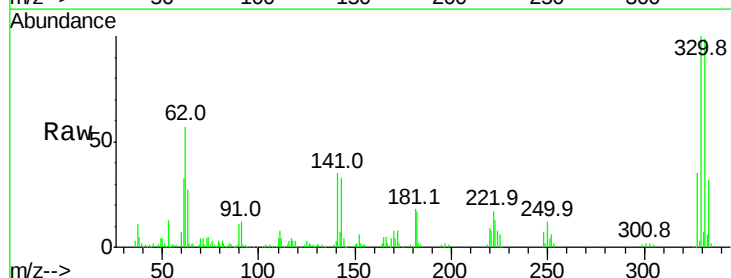
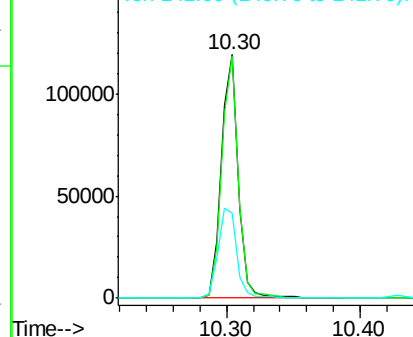
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 98.328 ng
RT: 10.30 min Scan# 1431
Delta R.T. -0.02 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.6	115.0
141	41.1	31.4	47.2

Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





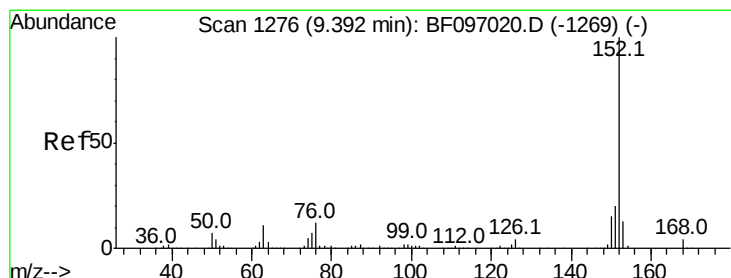
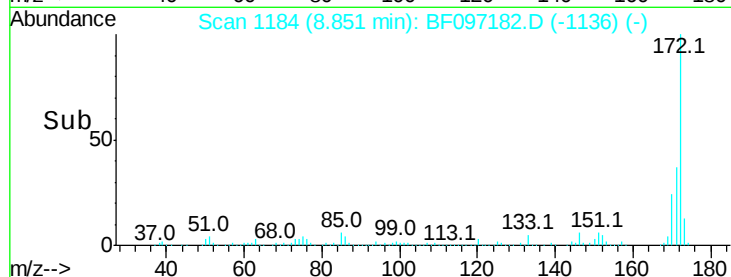
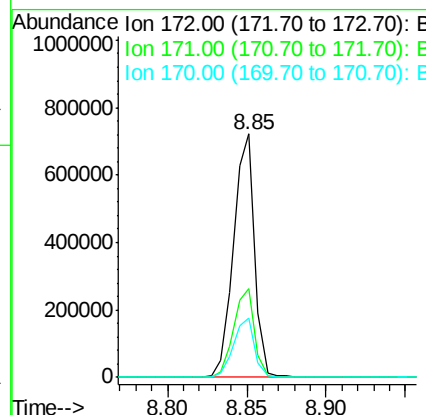
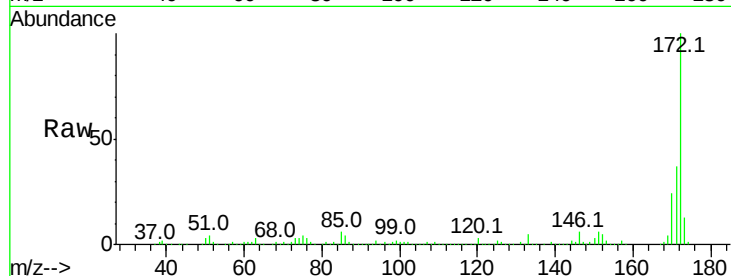
#44
2-Fluorobiphenyl
Concen: 81.537 ng
RT: 8.85 min Scan# 1184
Delta R.T. -0.02 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Instrument :
BNA_F
ClientSampleId :
B3(0-10)COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	662150		
171	36.6		29.6	44.4
170	24.5		19.8	29.8

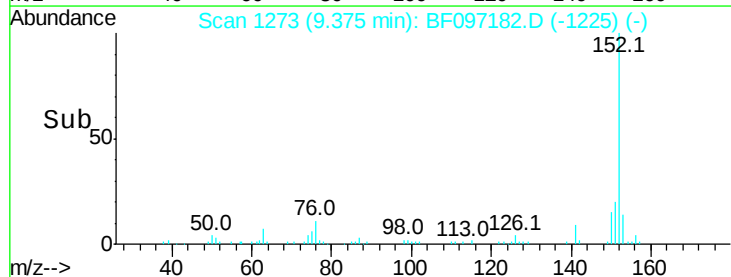
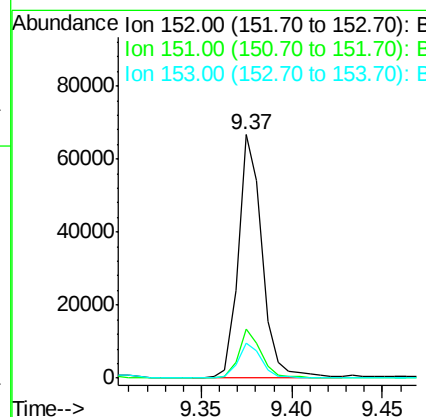
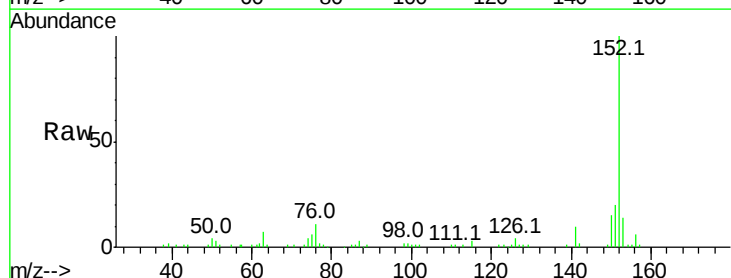
Manual Integrations
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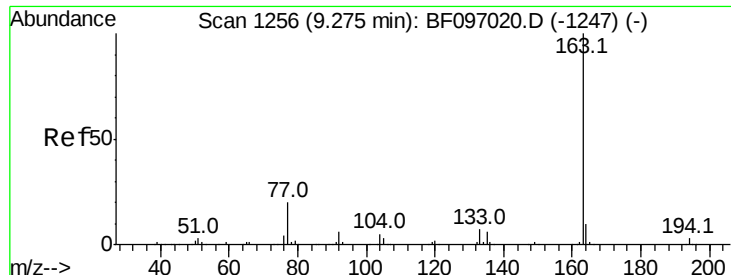
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#48
Acenaphthylene
Concen: 4.610 ng
RT: 9.37 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	61298		
151	20.3		16.8	25.2
153	14.1		10.8	16.2





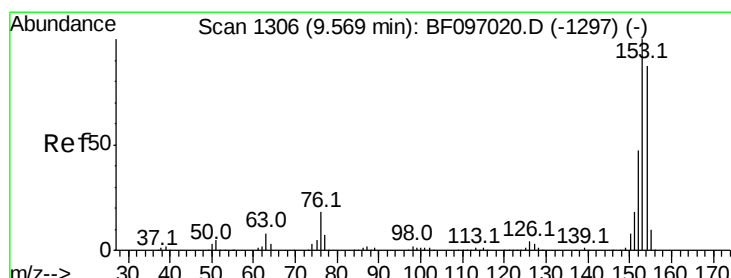
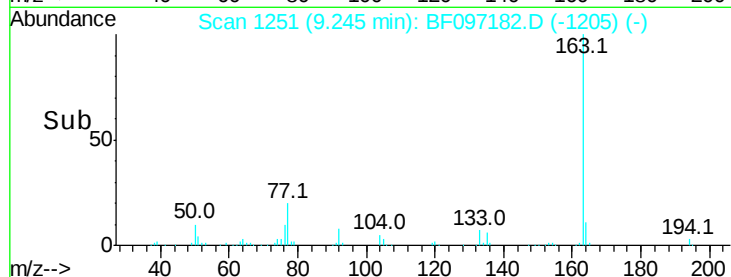
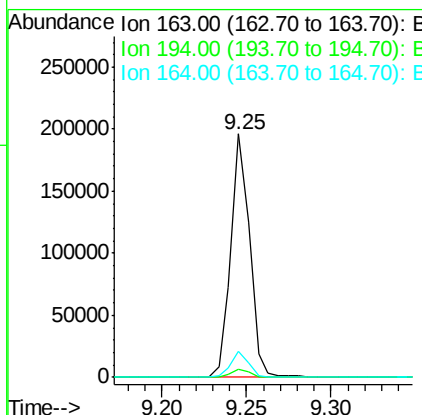
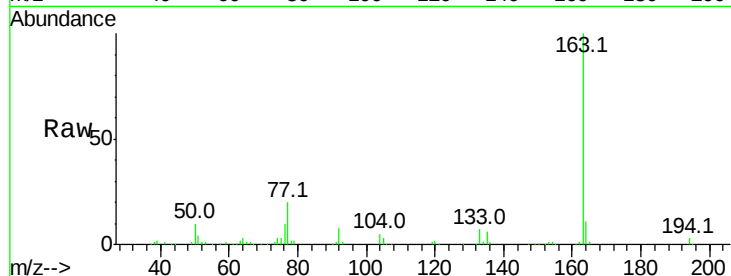
#49
Dimethylphthalate
Concen: 14.505 ng
RT: 9.25 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Instrument :
BNA_F
ClientSampled :
B3(0-10)COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.2	2.6	4.0	
164	10.6	8.4	12.6	

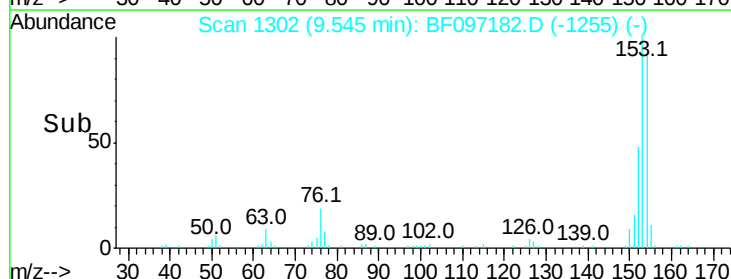
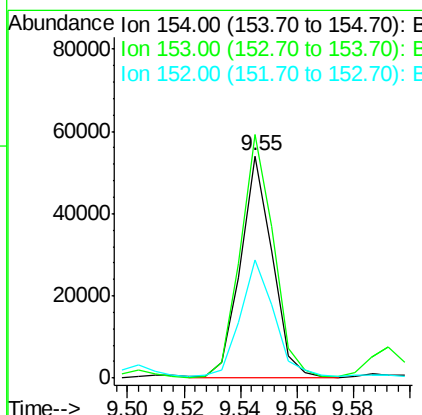
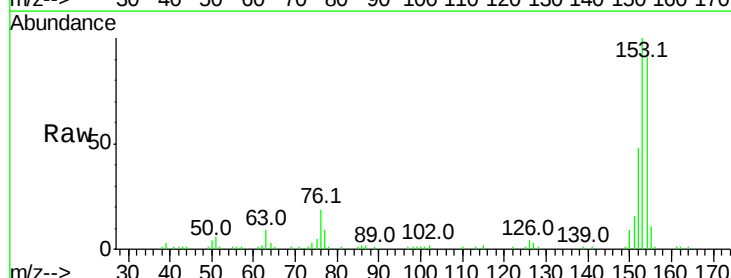
Manual Integrations
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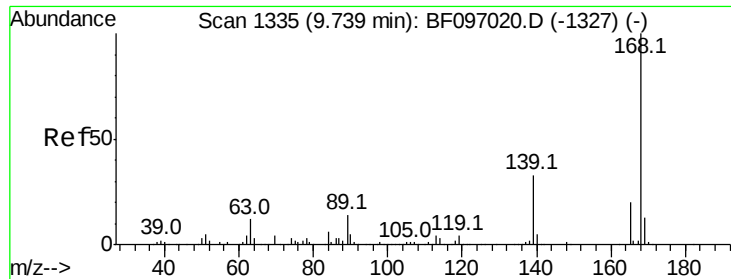
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#51
Acenaphthene
Concen: 5.418 ng
RT: 9.55 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	109.5	90.5	135.7	
152	53.0	43.6	65.4	





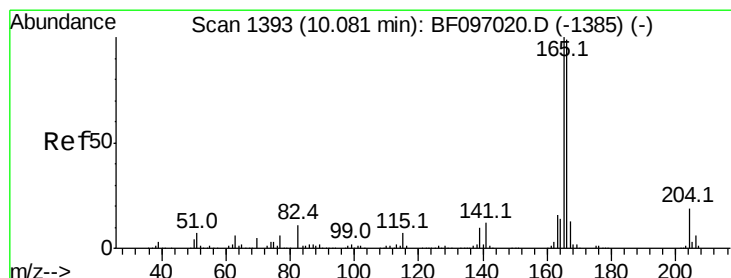
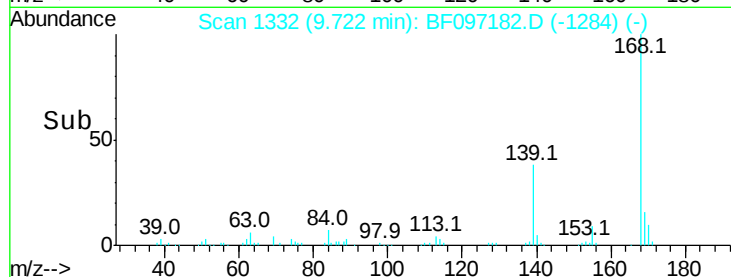
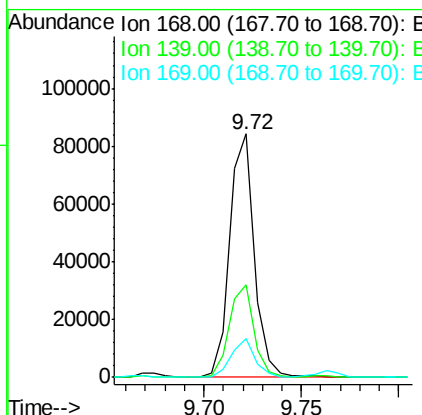
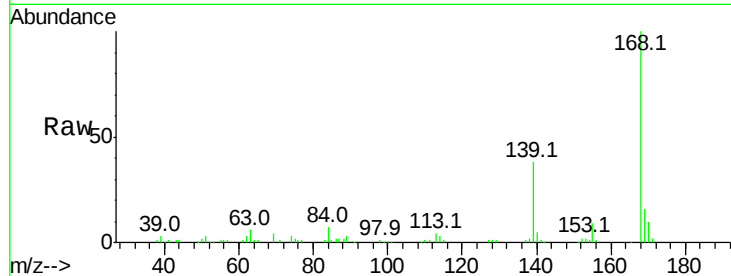
#54
Dibenzenofuran
Concen: 7.063 ng
RT: 9.72 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Instrument :
BNA_F
ClientSampleId :
B3(0-10)COMP

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.8	30.6	45.8
169	15.8	10.8	16.2

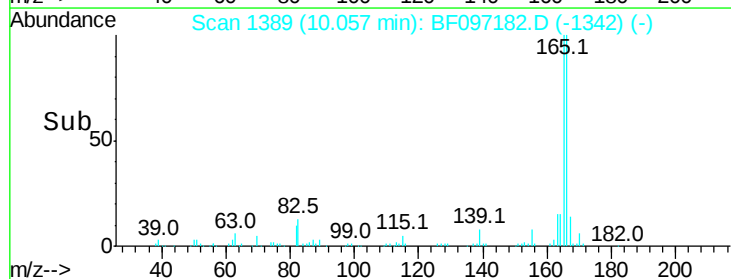
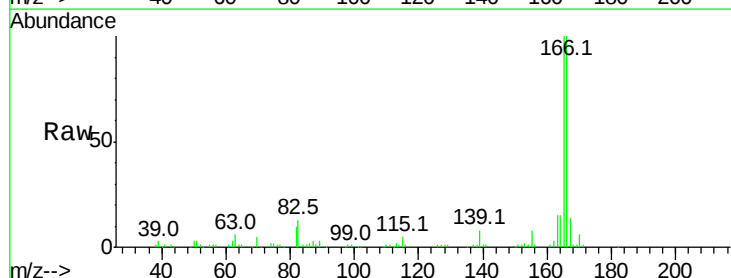
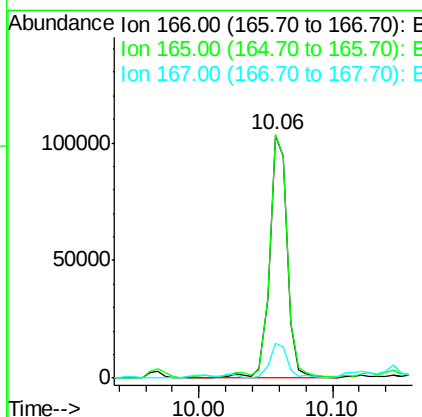
Manual Integrations
APPROVED

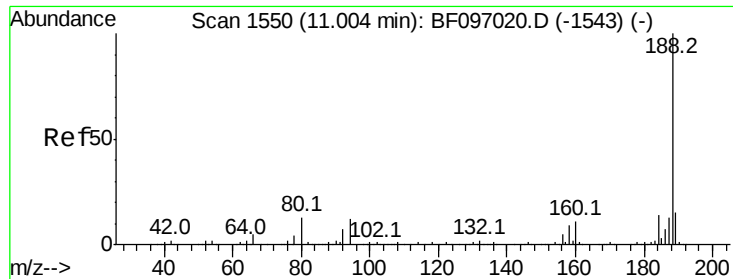
Sohil
7/31/2017 6:52:36 PM



#57
Fluorene
Concen: 12.272 ng
RT: 10.06 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.8	118.2
167	14.3	10.6	16.0





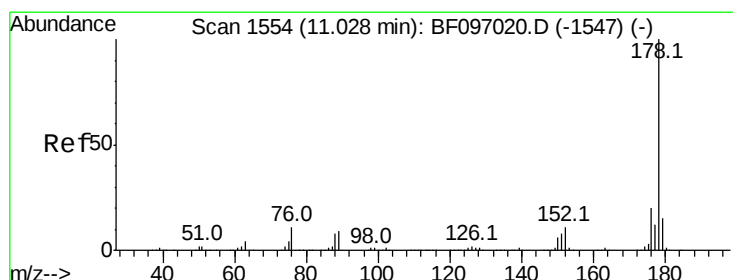
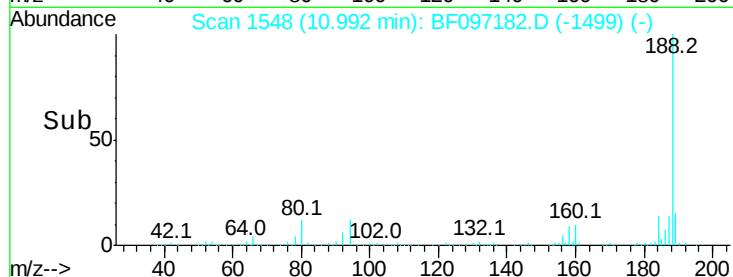
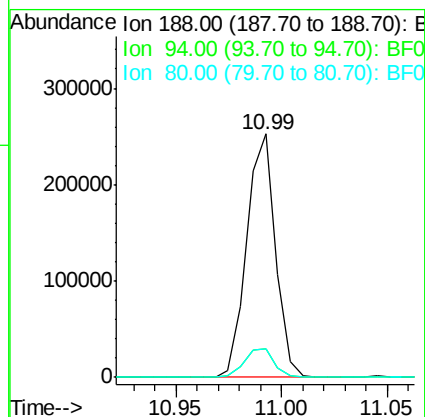
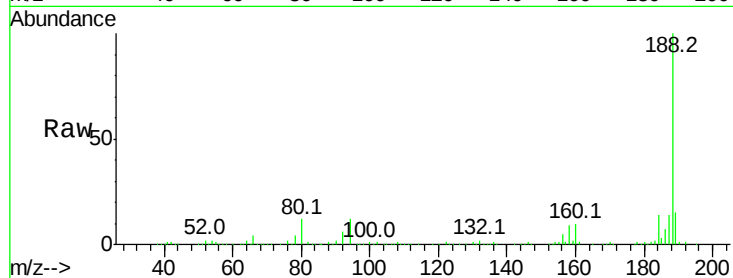
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.99 min Scan# 1548
Delta R.T. -0.01 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Instrument :
BNA_F
ClientSampleId :
B3(0-10)COMP

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.6	9.4	14.2
80	11.6	10.2	15.2

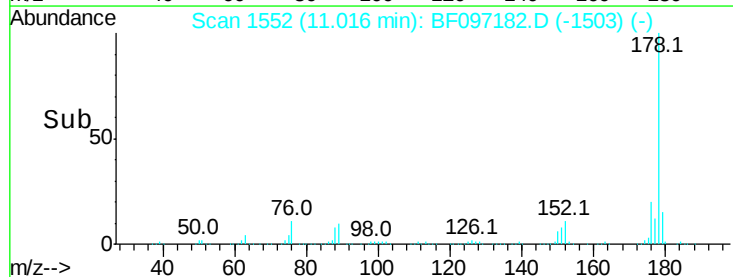
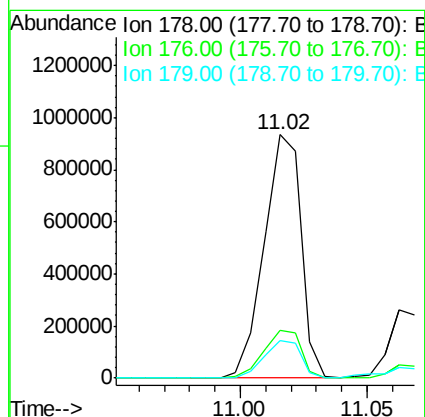
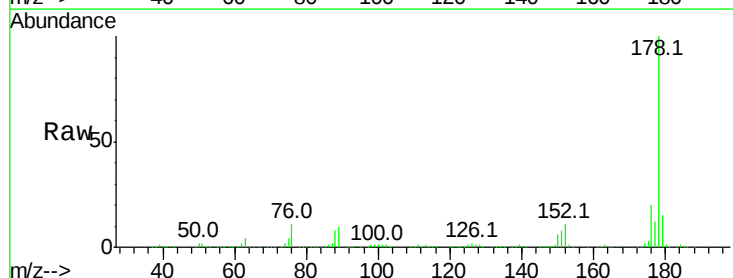
Manual Integrations
APPROVED

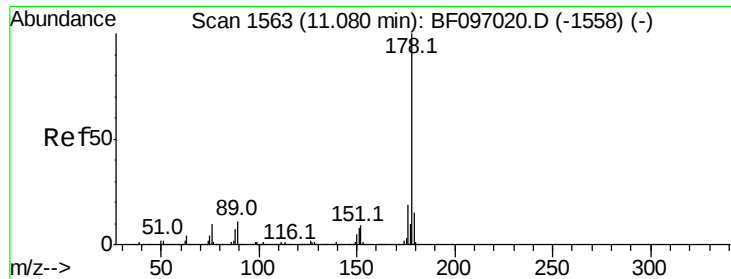
Sohil
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#70
Phenanthrene
Concen: 75.321 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	16.2	24.4
179	15.4	12.6	19.0





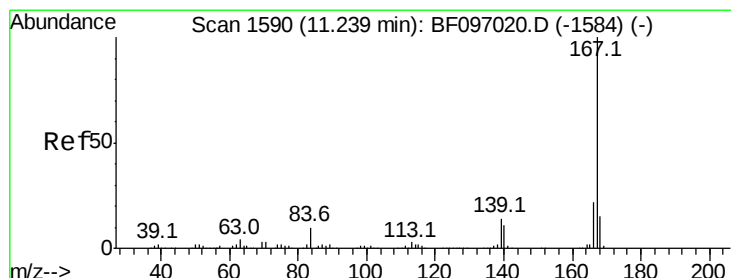
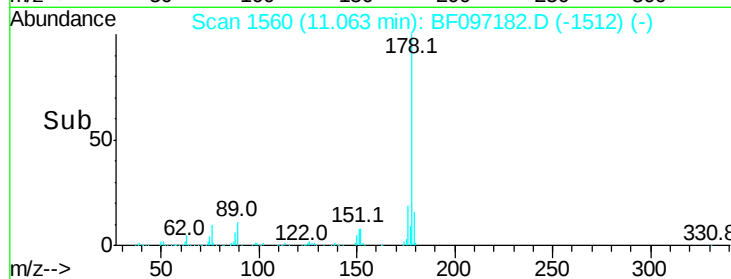
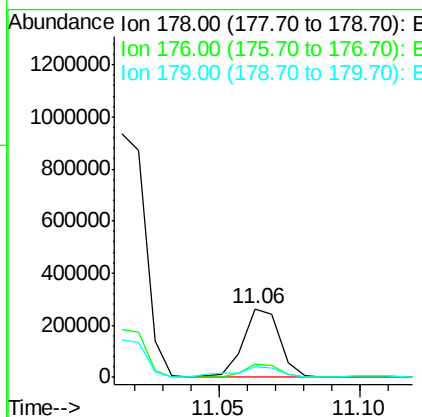
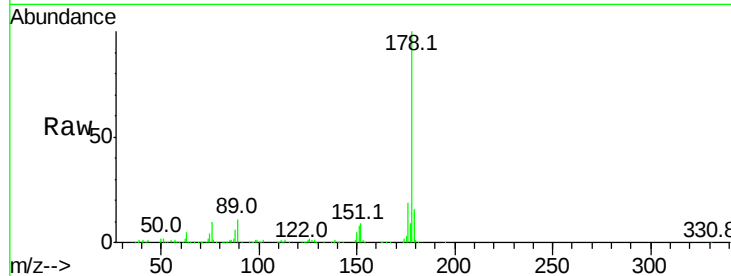
#71
 Anthracene
 Concen: 18.006 ng
 RT: 11.06 min Scan# 1560
 Delta R.T. -0.02 min
 Lab File: BF097182.D
 Acq: 29 Jul 2017 4:24

Instrument :
 BNA_F
 ClientSampleId :
 B3(0-10)COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.9	12.7	19.1

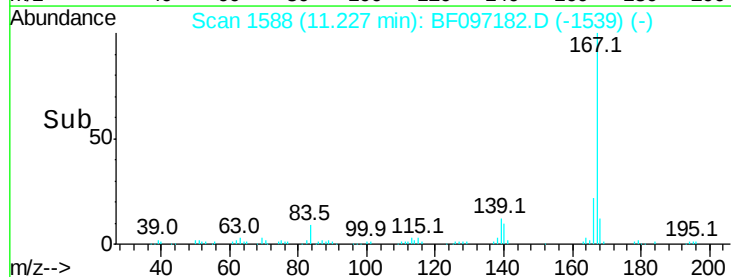
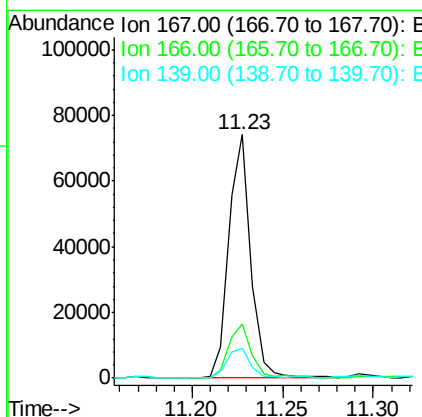
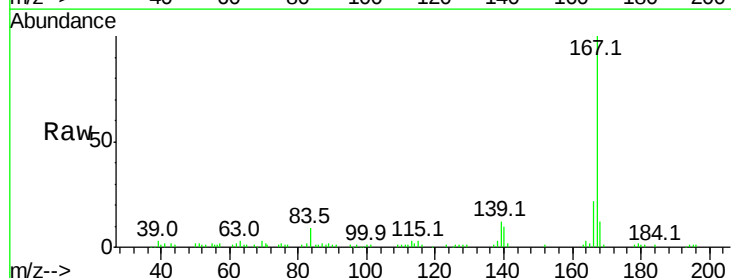
Manual Integrations
 APPROVED

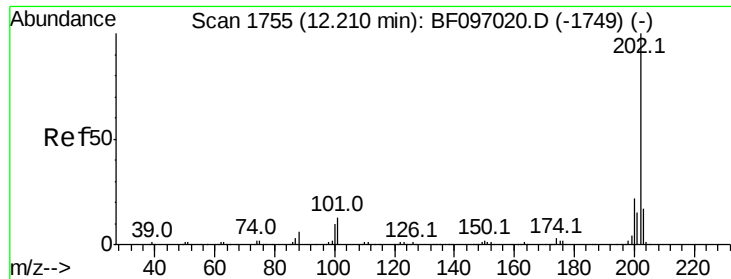
Sohil
 7/31/2017 6:52:36 PM



#72
 Carbazole
 Concen: 4.897 ng
 RT: 11.23 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF097182.D
 Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.1	27.1
139	12.3	11.7	17.5





#74

Fluoranthene

Concen: 77.073 ng

RT: 12.20 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF097182.D

Acq: 29 Jul 2017 4:24

Instrument :

BNA_F

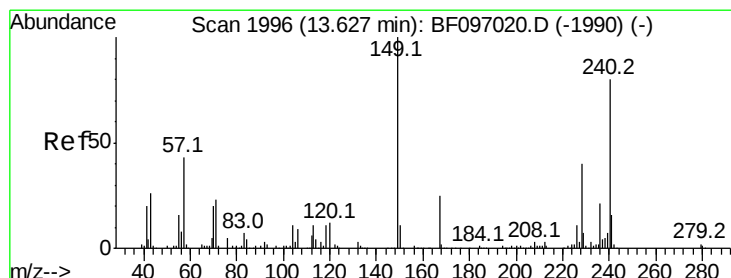
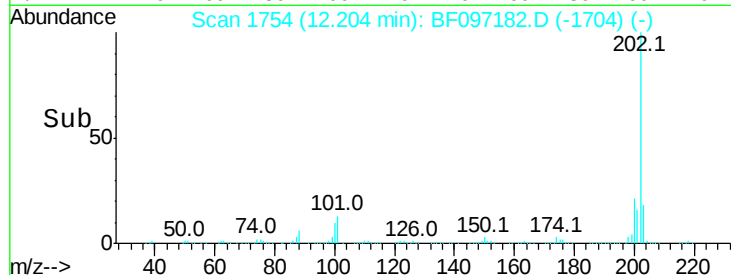
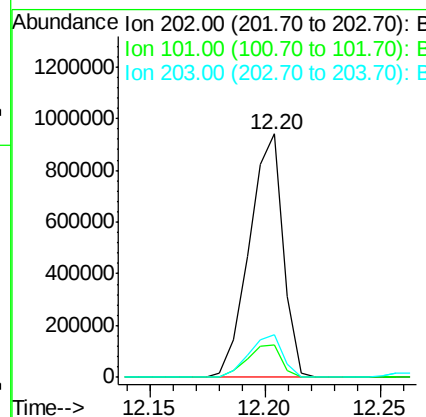
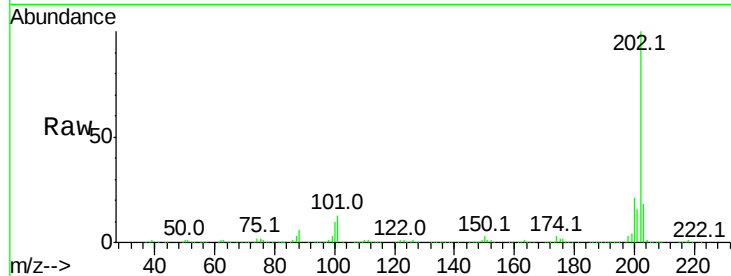
ClientSampleId :

B3(0-10)COMP

Tot Ion:	202	Resp:	960496
Ion Ratio		Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.5	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

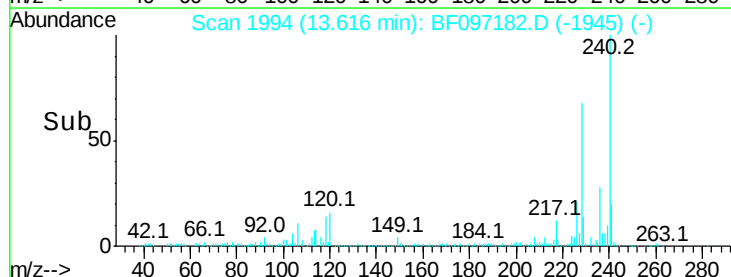
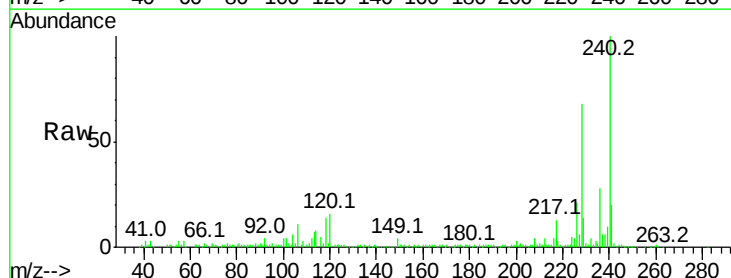
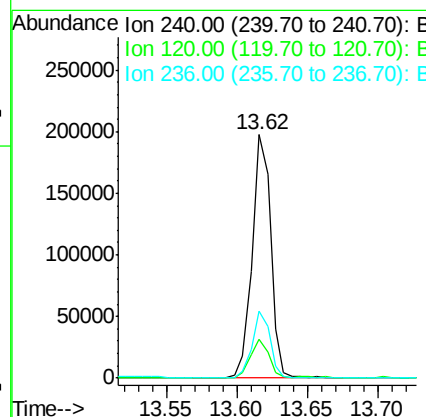
RT: 13.62 min Scan# 1994

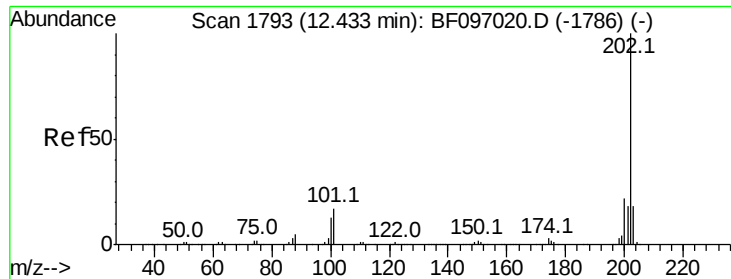
Delta R.T. -0.01 min

Lab File: BF097182.D

Acq: 29 Jul 2017 4:24

Tgt Ion:	240	Resp:	184488
Ion Ratio		Lower	Upper
240	100		
120	15.9	5.8	8.8#
236	27.7	20.5	30.7





#77

Pvrene

Concen: 57.616 ng

RT: 12.43 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF097182.D

Acq: 29 Jul 2017 4:24

Instrument :

BNA_F

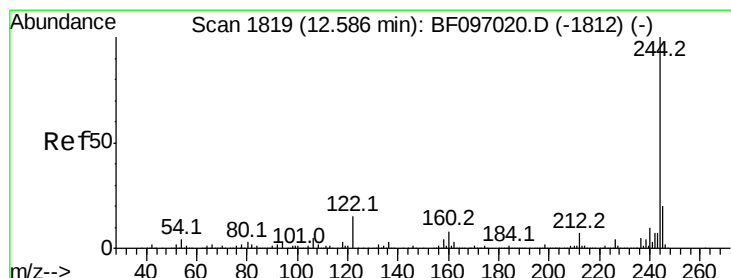
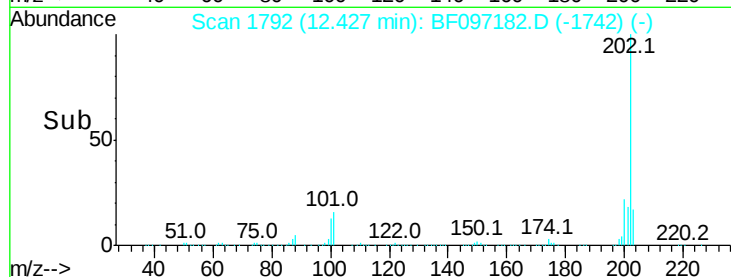
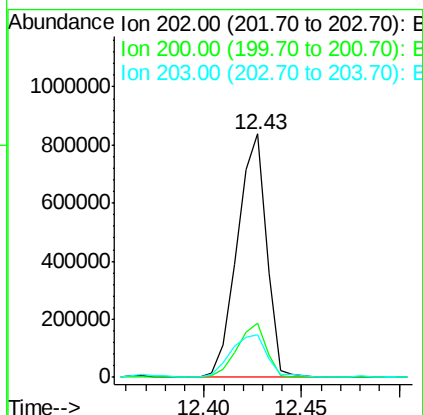
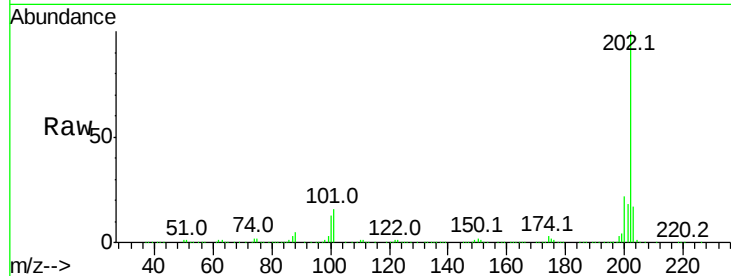
ClientSampleId :

B3(0-10)COMP

Tot Ion:	202	Resp:	870199
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.6	26.4
203	17.3	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 54.880 ng

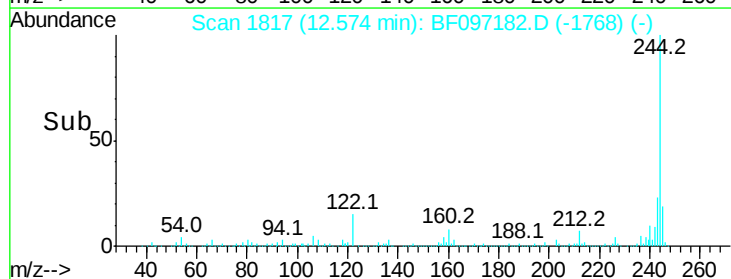
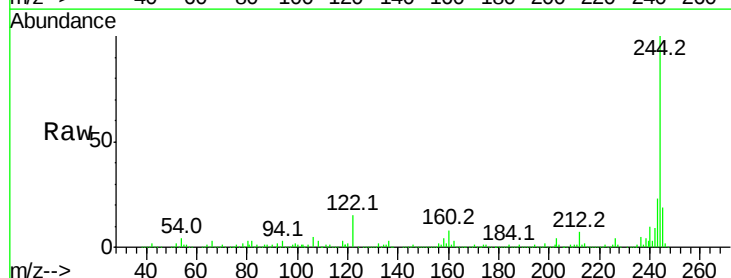
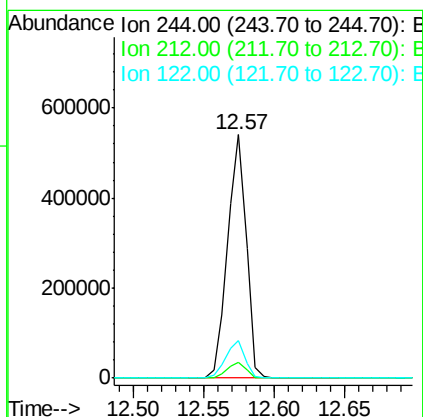
RT: 12.57 min Scan# 1817

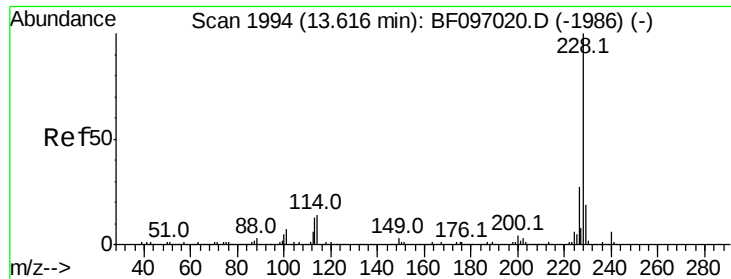
Delta R.T. -0.01 min

Lab File: BF097182.D

Acq: 29 Jul 2017 4:24

Tgt Ion:	244	Resp:	496585
Ion Ratio	Lower	Upper	
244	100		
212	6.7	6.0	9.0
122	15.3	10.3	15.5





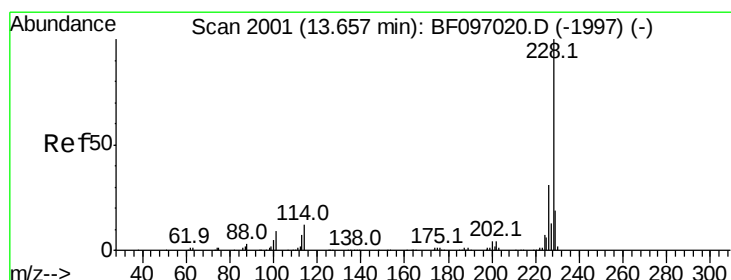
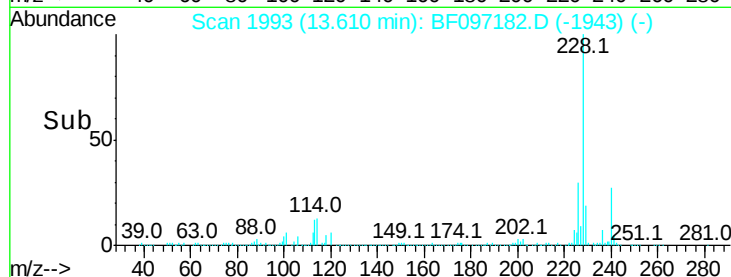
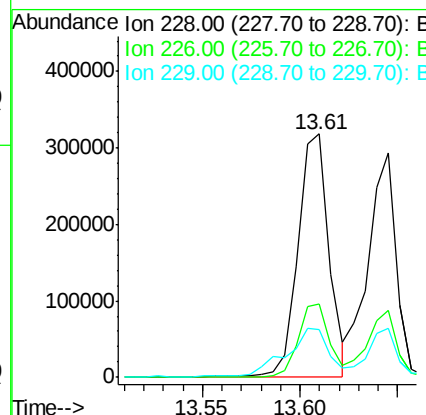
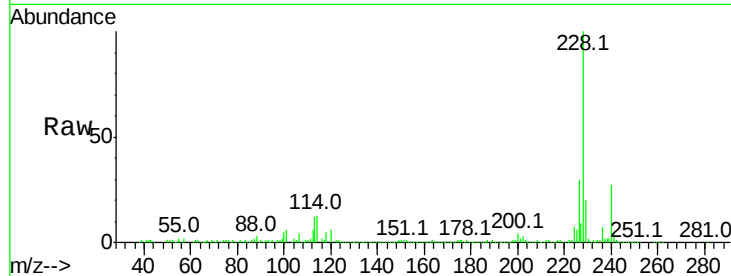
#80
Benzo(a)anthracene
Concen: 29.206 ng
RT: 13.61 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Instrument :
BNA_F
ClientSampleId :
B3(0-10)COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	19.6	16.3	24.5

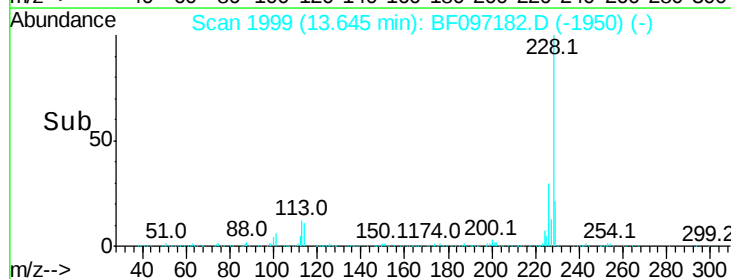
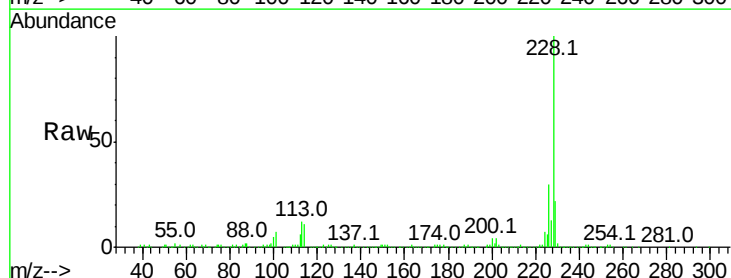
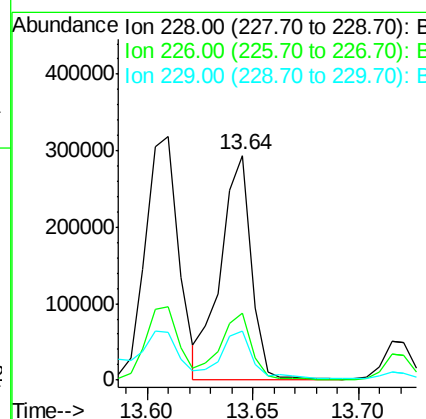
Manual Integrations
APPROVED

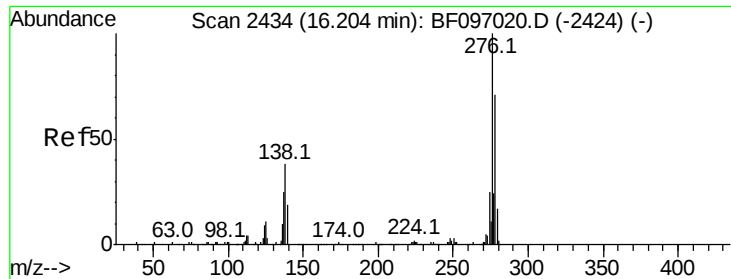
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#82
Chrysene
Concen: 25.345 ng
RT: 13.64 min Scan# 1999
Delta R.T. -0.01 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	21.7	15.8	23.6





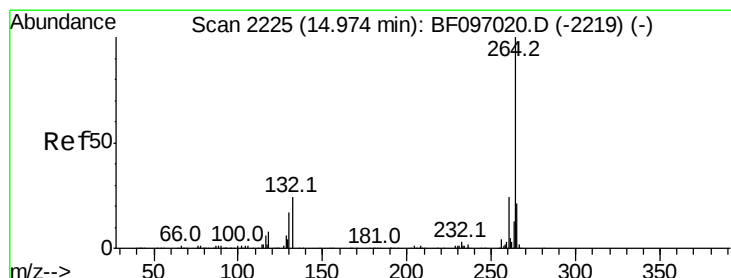
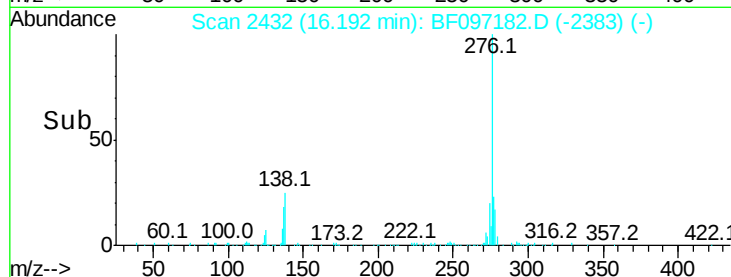
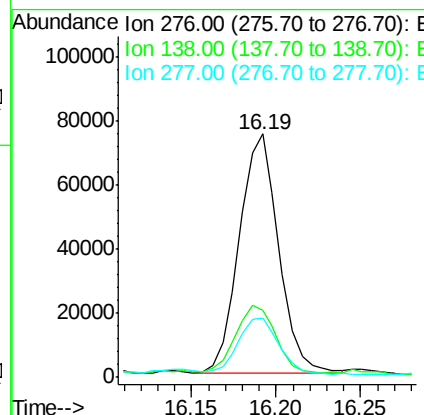
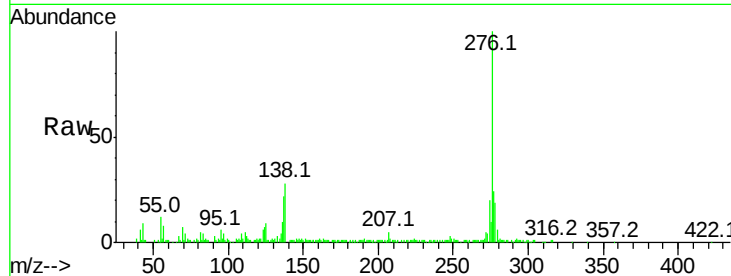
#85
Indeno(1,2,3-cd)pyrene
Concen: 12.018 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Instrument :
BNA_F
ClientSampleId :
B3(0-10)COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.8	27.8	41.6
277	26.0	20.2	30.4

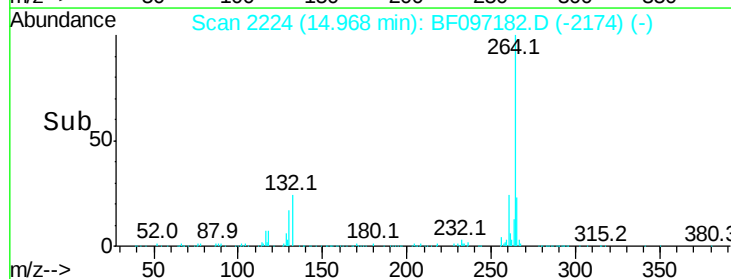
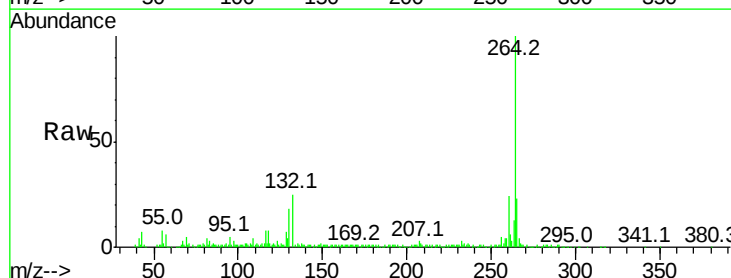
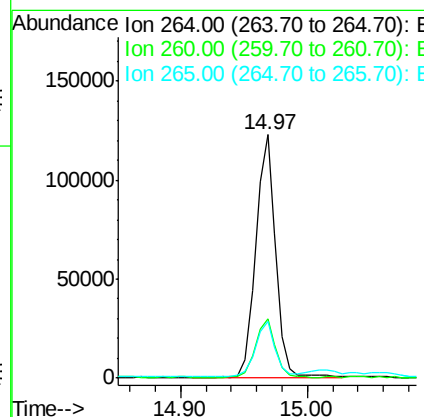
Manual Integrations
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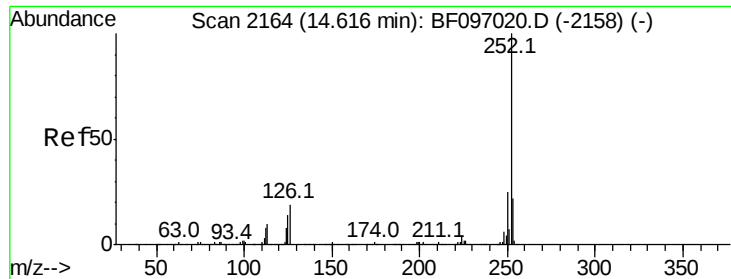
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#86
Perylene-d12
Concen: 20.000 ng
RT: 14.97 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	23.4	17.2	25.8





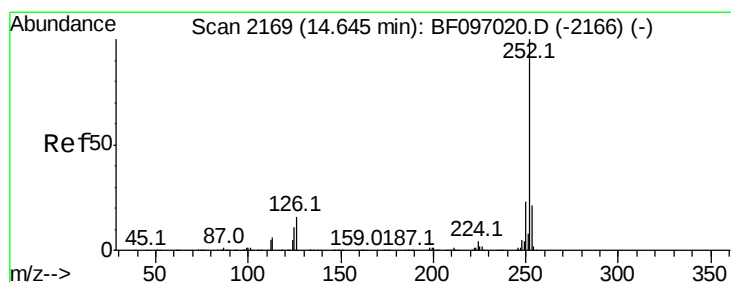
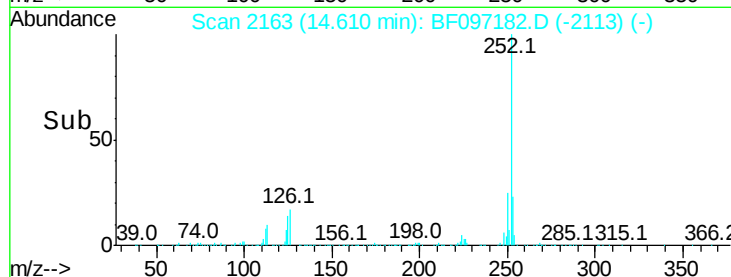
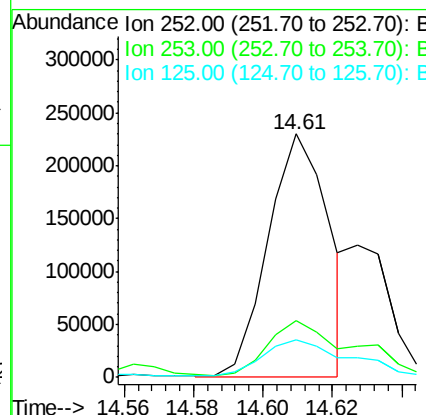
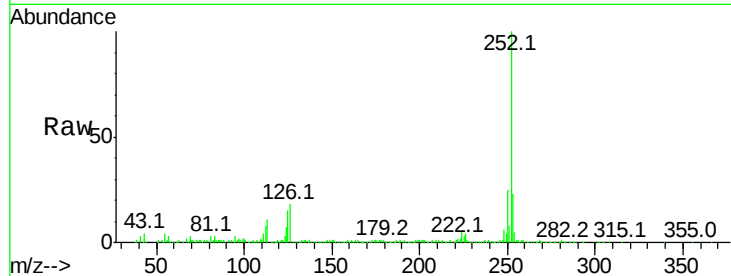
#87
Benzo(b)fluoranthene
Concen: 34.663 ng m
RT: 14.61 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Instrument :
BNA_F
ClientSampleId :
B3(0-10)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.3	9.8	14.8

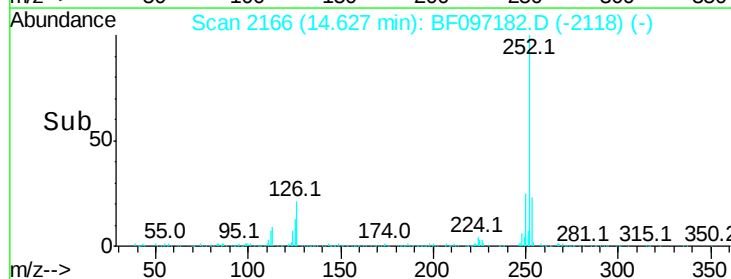
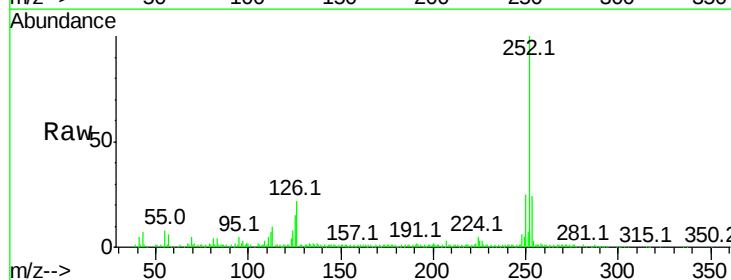
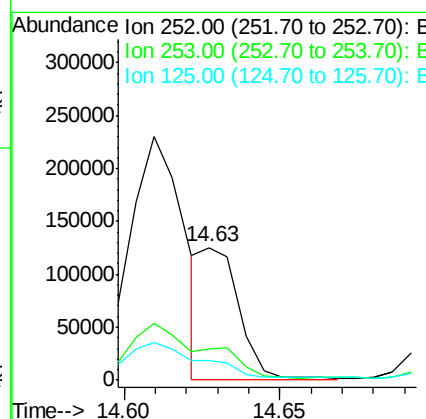
Manual Integrations
APPROVED

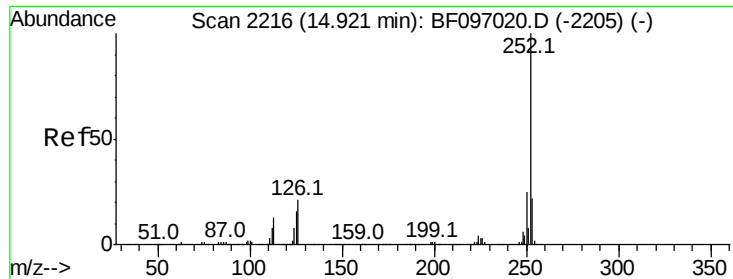
Sohil
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#88
Benzo(k)fluoranthene
Concen: 13.925 ng m
RT: 14.63 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	15.1	13.1	19.7





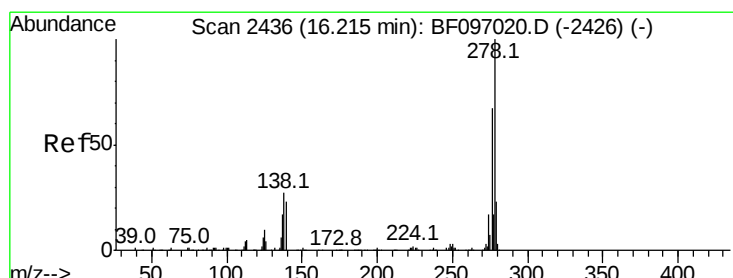
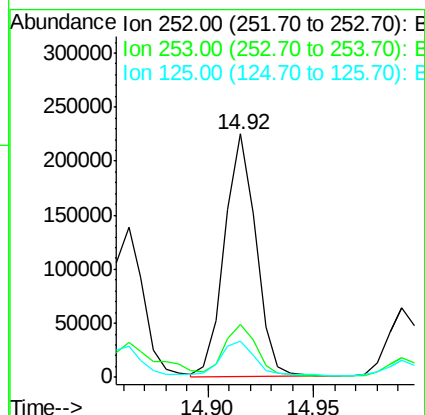
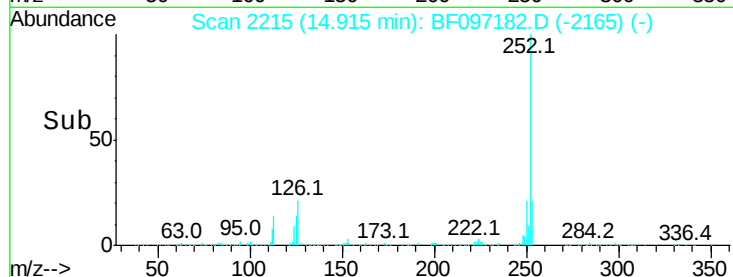
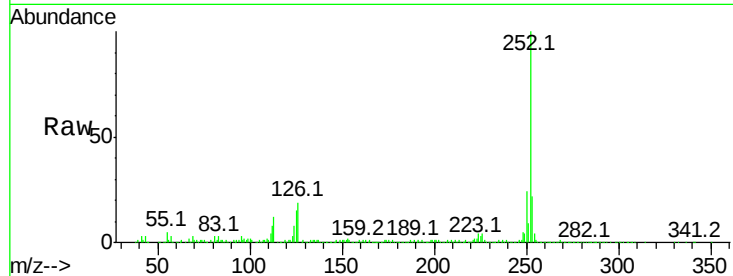
#89
Benzo(a)pyrene
Concen: 31.176 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Instrument :
BNA_F
ClientSampleId :
B3(0-10)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	15.2	11.0	16.4

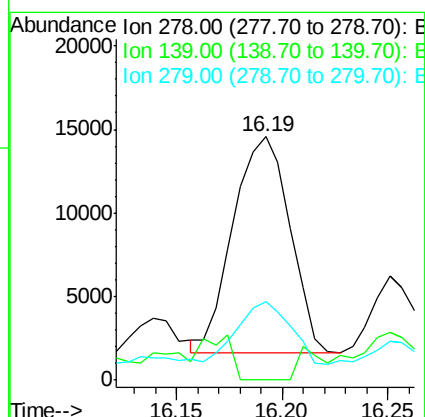
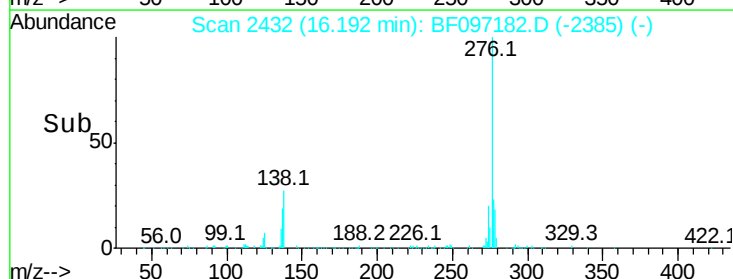
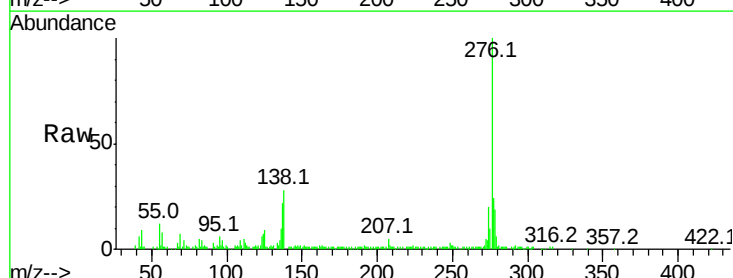
Manual Integrations
APPROVED

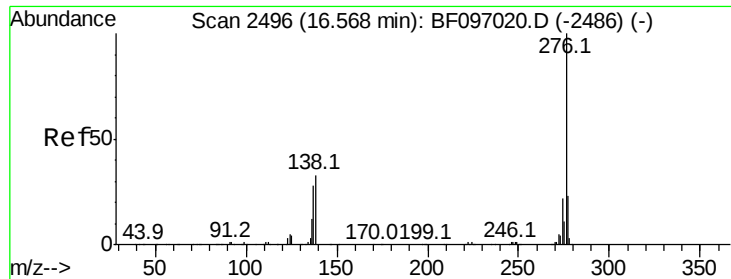
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.008 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.02 min
Lab File: BF097182.D
Acq: 29 Jul 2017 4:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	32.0	19.3	28.9#





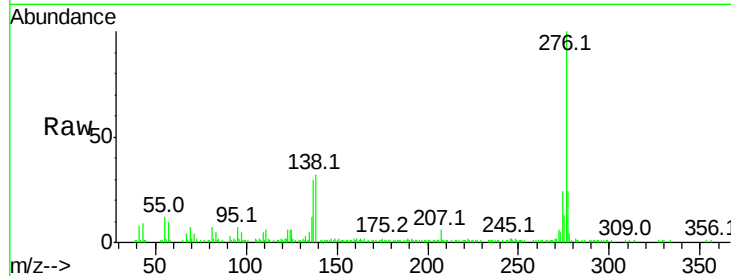
#91
 Benzo(a,h,i)perylene
 Concen: 17.299 ng
 RT: 16.56 min Scan# 2494
 Delta R.T. -0.01 min
 Lab File: BF097182.D
 Acq: 29 Jul 2017 4:24

Instrument :
 BNA_F
 ClientSampleId :
 B3(0-10)COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	32.0	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 7/31/2017 6:52:36 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

