

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093265.D
 Acq On : 1 Mar 2017 1:19
 Operator : SJ/MA
 Sample : I1997-02DL 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-W4-WSWDL

Manual Integrations
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Quant Time: Mar 01 03:09:54 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	137411	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	490719	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	204743	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	344266	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	291682	20.00	ng	-0.05
86) Perylene-d12	15.40	264	209360	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	181685	22.68	ng	-0.03
7) Phenol-d6	6.46	99	232358	22.55	ng	-0.02
23) Nitrobenzene-d5	7.38	82	129411	14.69	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	27475	18.55	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	220835	19.54	ng	-0.05
78) Terphenyl-d14	12.91	244	176374	14.21	ng	-0.06
Target Compounds						Qvalue
48) Acenaphthylene	9.71	152	53039	2.65	ng	97
49) Dimethylphthalate	9.56	163	61302	4.45	ng	97
51) Acenaphthene	9.88	154	63252	5.28	ng	95
54) Dibenzofuran	10.05	168	55179	3.44	ng	92
57) Fluorene	10.40	166	64106m	5.20	ng	
70) Phenanthrene	11.36	178	976349	49.50	ng	99
71) Anthracene	11.41	178	262694	13.26	ng	96
72) Carbazole	11.57	167	75718	4.00	ng	98
74) Fluoranthene	12.56	202	1438550	70.71	ng	92
77) Pyrene	12.79	202	1377915	63.12	ng	98
80) Benzo(a)anthracene	13.96	228	624189	34.99	ng	99
82) Chrysene	14.00	228	450072	26.95	ng	97
85) Indeno(1,2,3-cd)pyrene	16.80	276	204436	15.80	ng	97
87) Benzo(b)fluoranthene	15.00	252	548062m	39.77	ng	
88) Benzo(k)fluoranthene	15.01	252	116575m	9.80	ng	
89) Benzo(a)pyrene	15.35	252	354853	29.77	ng	100
90) Dibenzo(a,h)anthracene	16.80	278	52239	5.42	ng	# 80
91) Benzo(g,h,i)perylene	17.22	276	193024	19.83	ng	# 91

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

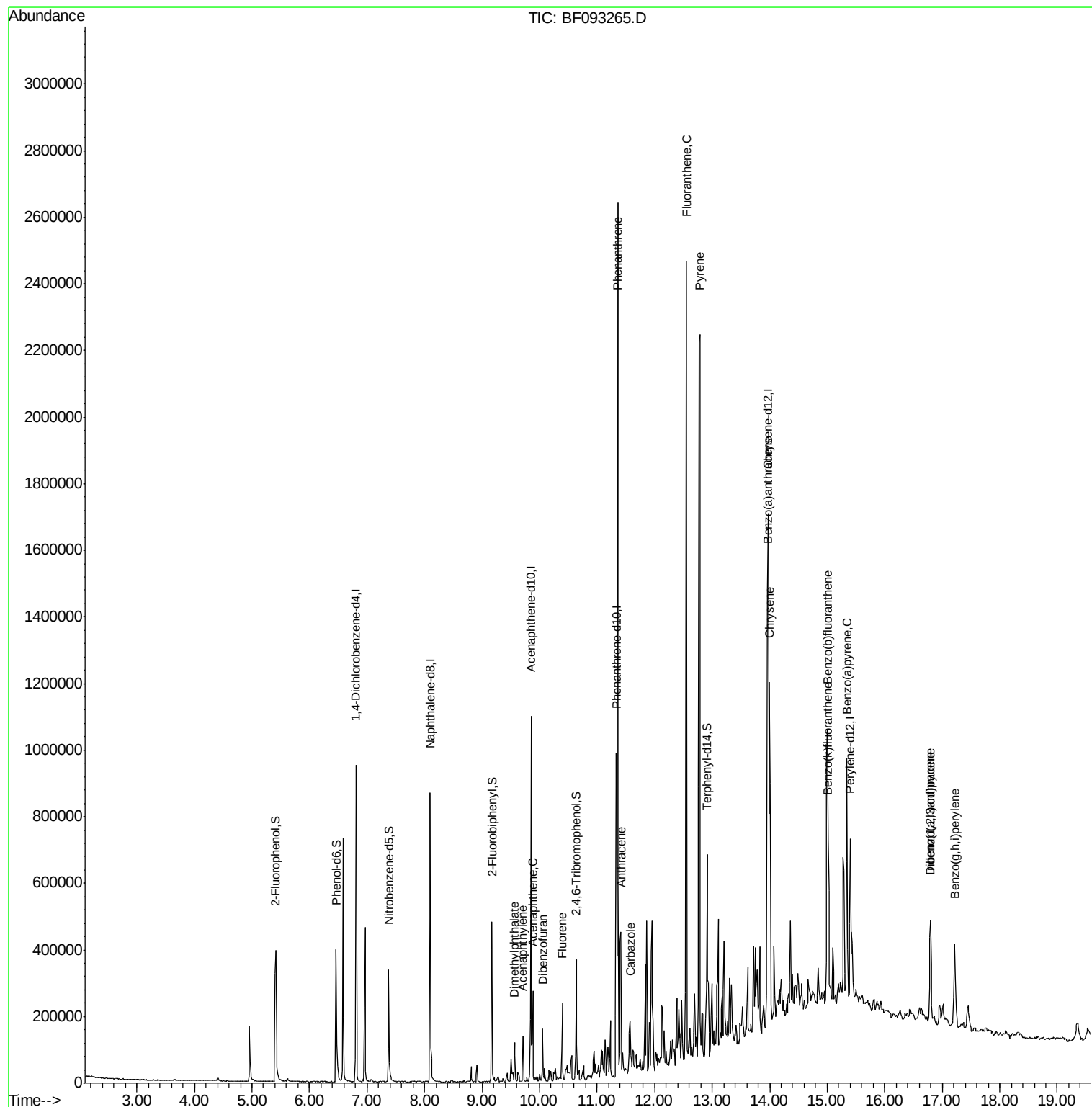
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
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ALS Vial : 26 Sample Multiplier: 1

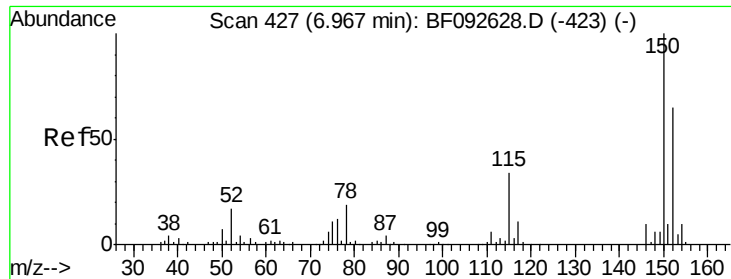
Instrument :
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#1

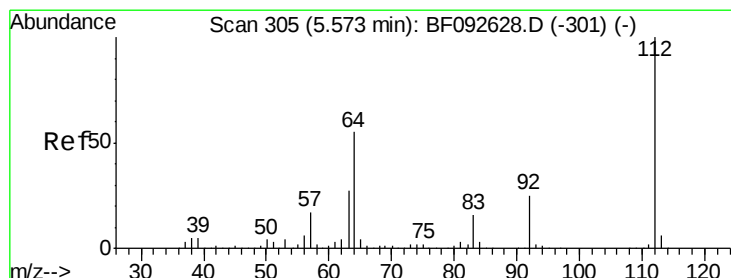
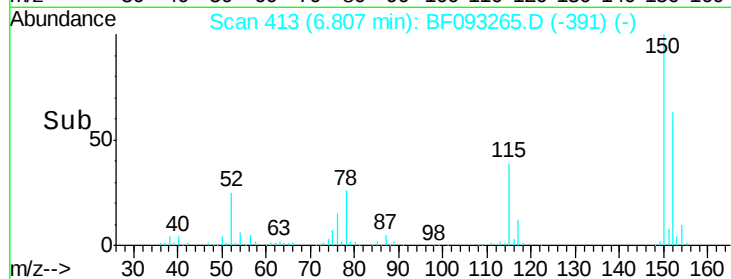
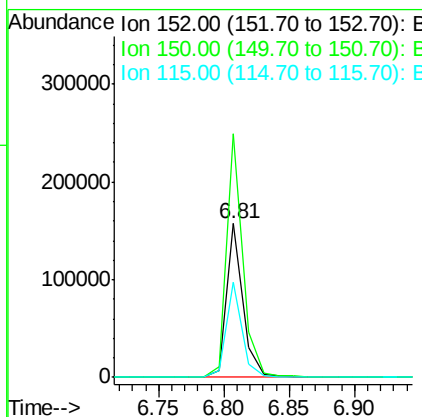
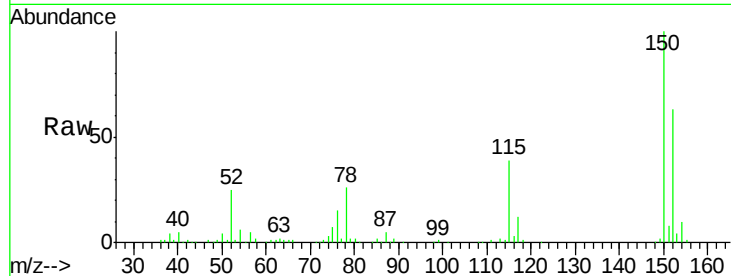
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.05 min
Lab File: BF093265.D
Acq: 1 Mar 2017 1:19

Instrument :
BNA_F
ClientSampleId :
E2-W4-WSWDL

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	137411		
150	158.5	124.9	187.3	
115	61.9	46.0	69.0	

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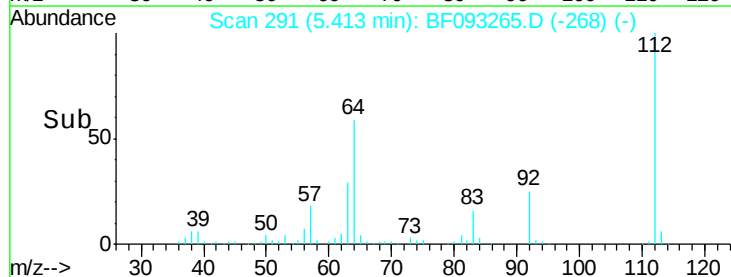
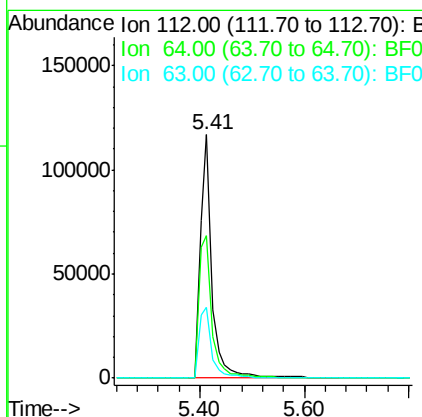
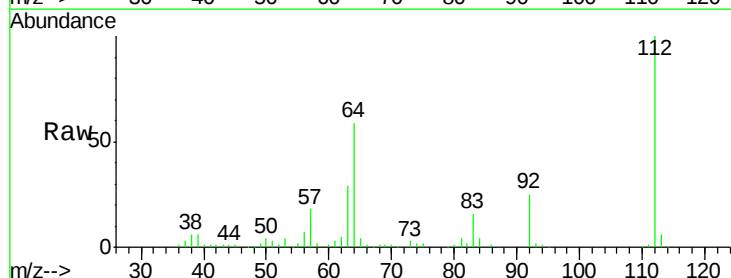
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#5

2-Fluorophenol
Concen: 22.68 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.03 min
Lab File: BF093265.D
Acq: 1 Mar 2017 1:19

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	181685		
64	58.6	46.1	69.1	
63	29.2	23.8	35.6	





#7

Phenol-d6

Concen: 22.55 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

Instrument :

BNA_F

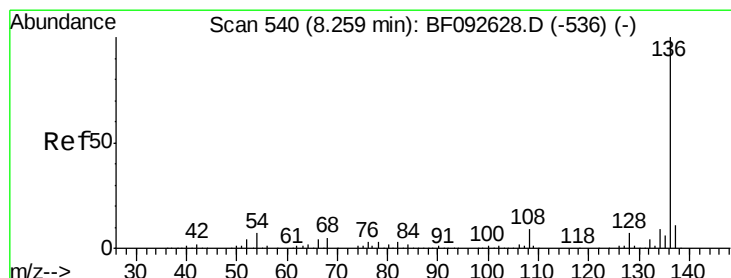
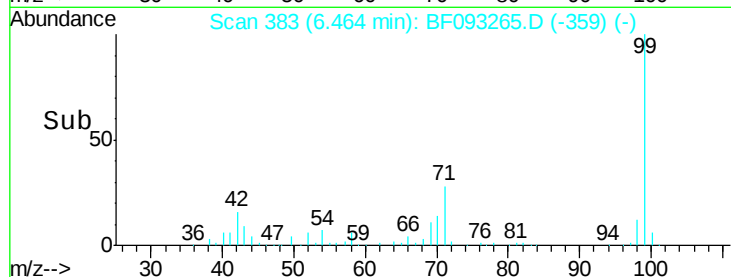
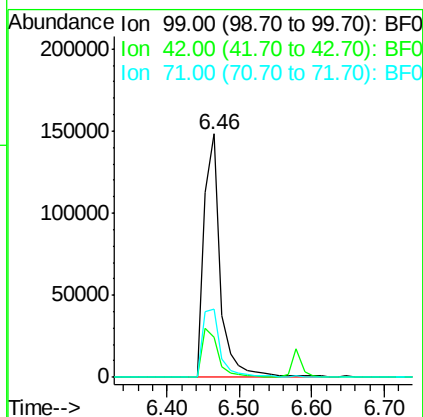
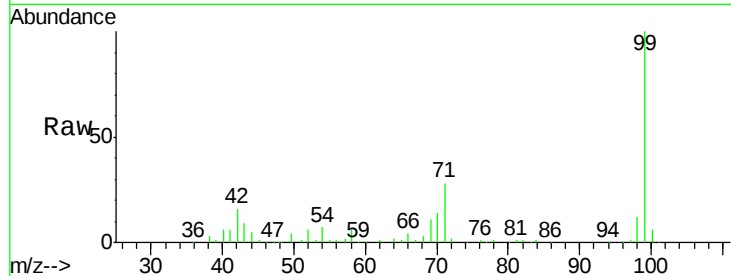
ClientSampleId :

E2-W4-WSWDL

Tgt Ion:	99	Resp:	232358
Ion Ratio	Lower	Upper	
99	100		
42	16.5	15.6	23.4
71	28.0	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

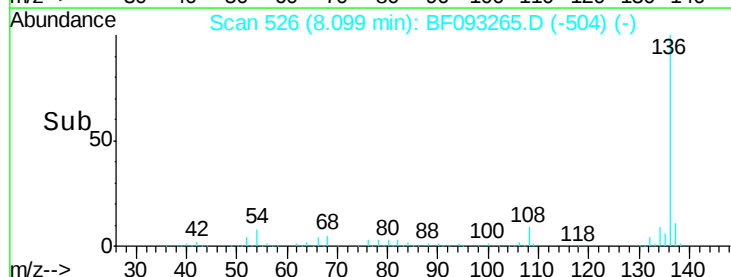
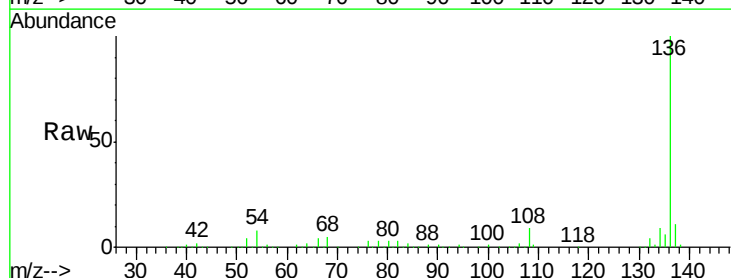
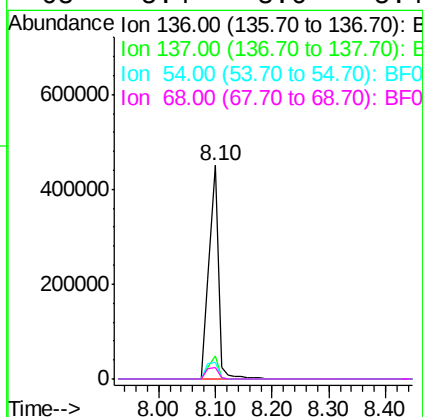
RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

Tgt Ion:	136	Resp:	490719
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.4	12.6
54	7.7	4.5	6.7#
68	5.4	3.6	5.4





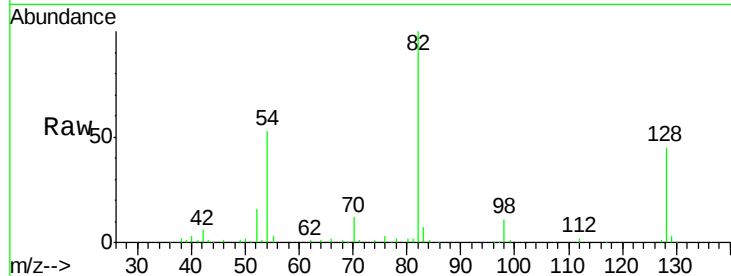
#23
 Nitrobenzene-d5
 Concen: 14.69 ng
 RT: 7.38 min Scan# 463
 Delta R.T. -0.05 min
 Lab File: BF093265.D
 Acq: 1 Mar 2017 1:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-W4-WSWDL

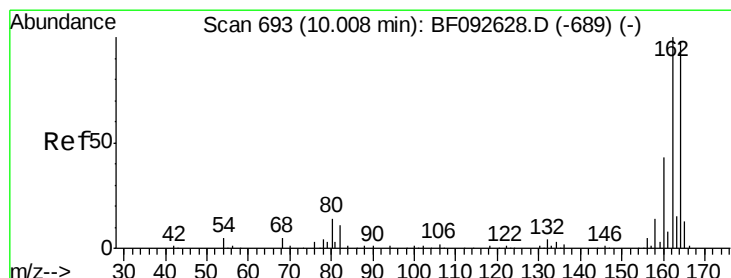
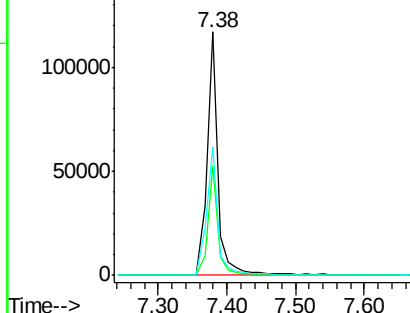
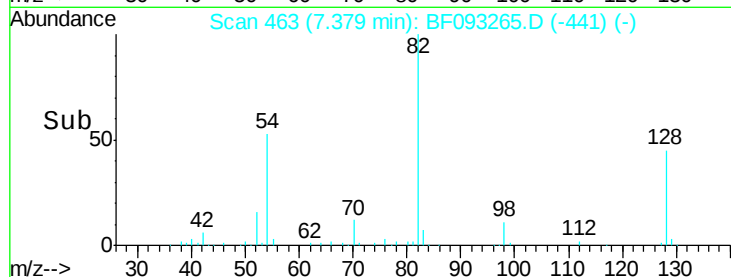
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	129411		
128	44.8	34.6	52.0	
54	53.0	39.5	59.3	

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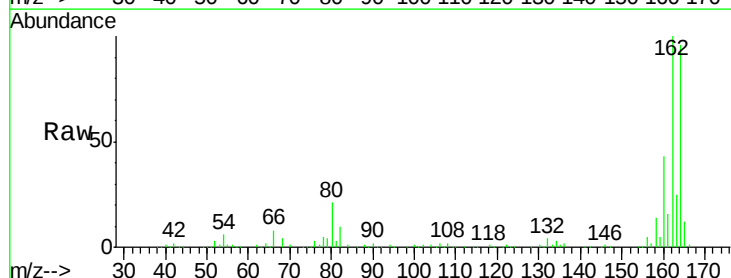


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

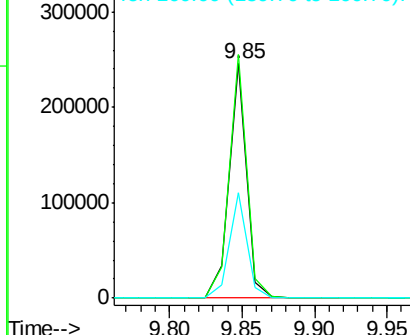
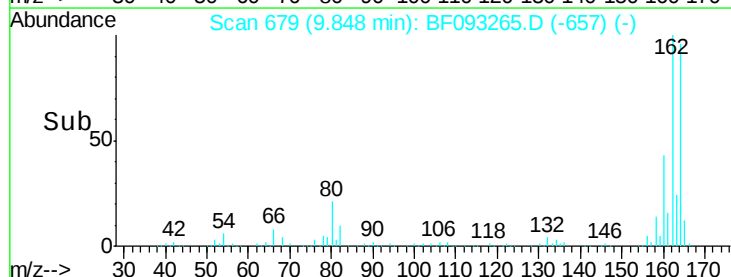


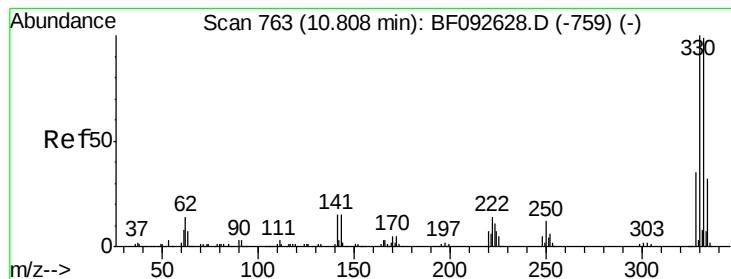
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093265.D
 Acq: 1 Mar 2017 1:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204743		
162	104.0	80.2	120.2	
160	45.2	36.9	55.3	



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





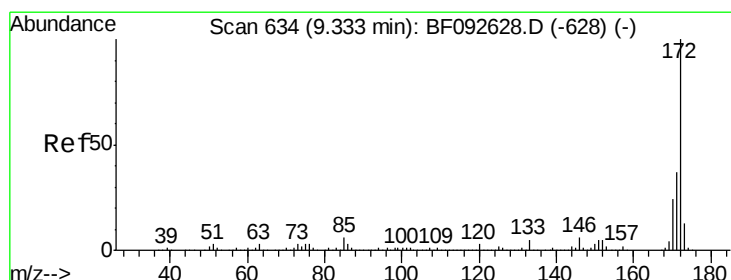
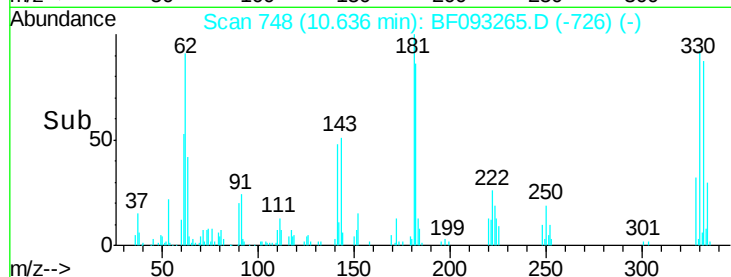
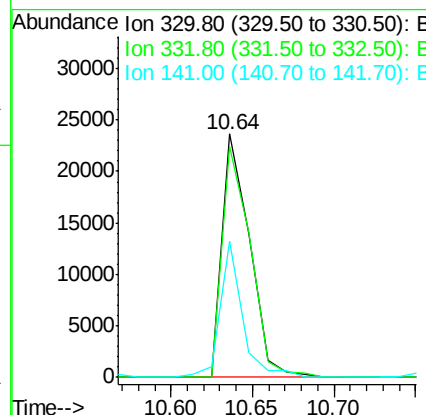
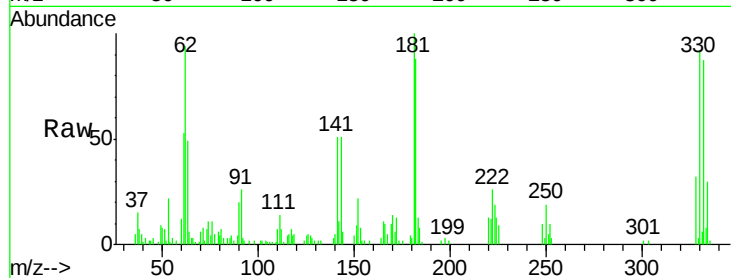
#41
 2,4,6-Tribromophenol
 Concen: 18.55 ng
 RT: 10.64 min Scan# 748
 Delta R.T. -0.05 min
 Lab File: BF093265.D
 Acq: 1 Mar 2017 1:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-W4-WSWDL

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	27475		
332	97.5		77.4	116.2
141	45.7		34.1	51.1

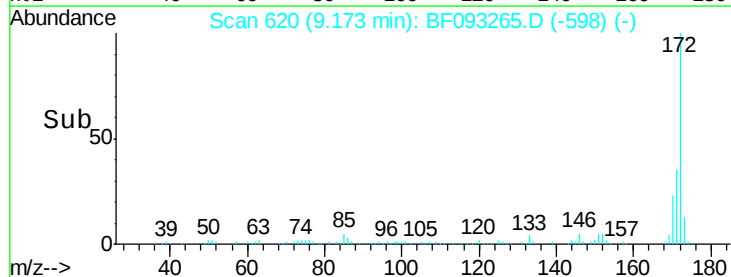
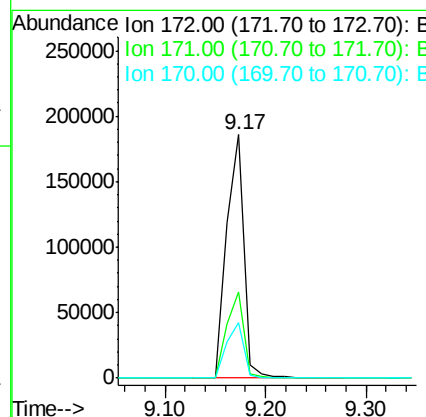
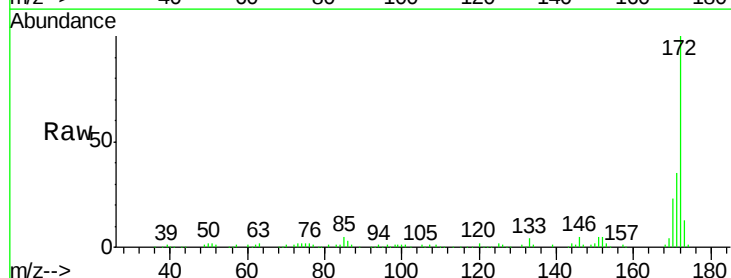
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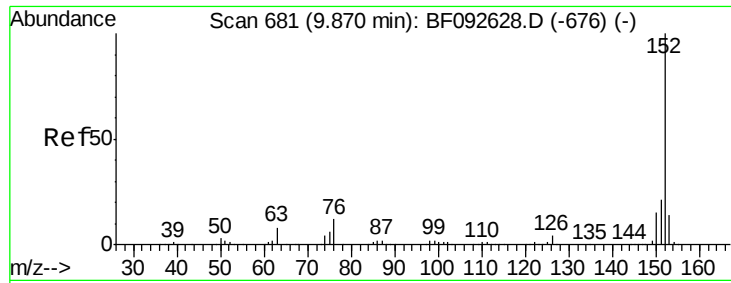
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#44
 2-Fluorobiphenyl
 Concen: 19.54 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093265.D
 Acq: 1 Mar 2017 1:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	220835		
171	35.2		29.4	44.0
170	22.9		20.2	30.4





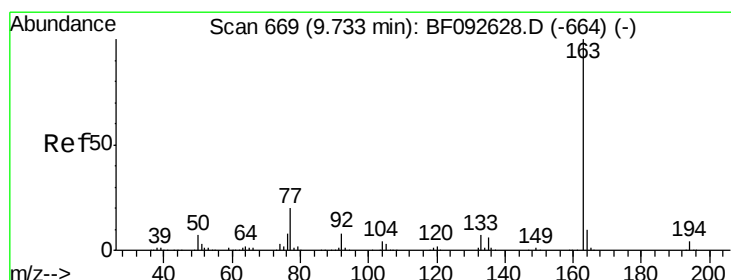
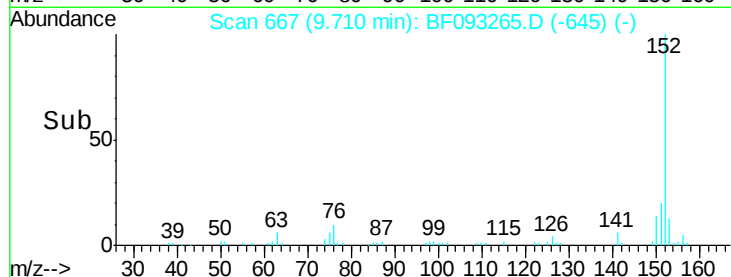
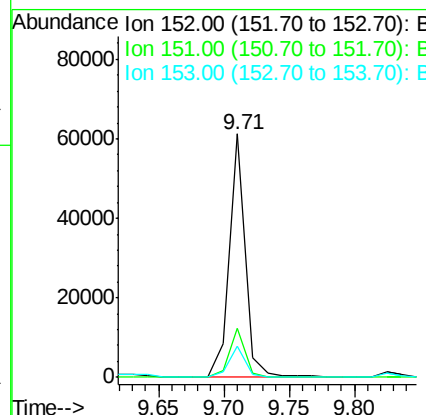
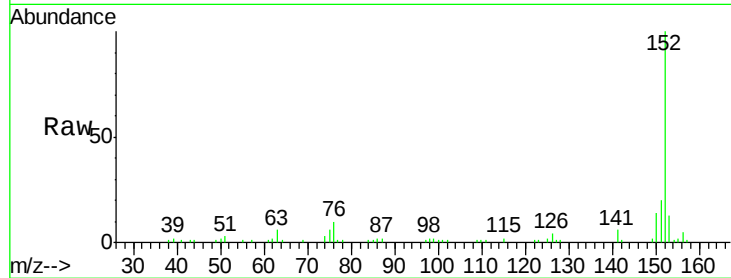
#48
Acenaphthylene
Concen: 2.65 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093265.D
Acq: 1 Mar 2017 1:19

Instrument :
BNA_F
ClientSampleId :
E2-W4-WSWDL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.9	25.3
153	12.9	11.4	17.2

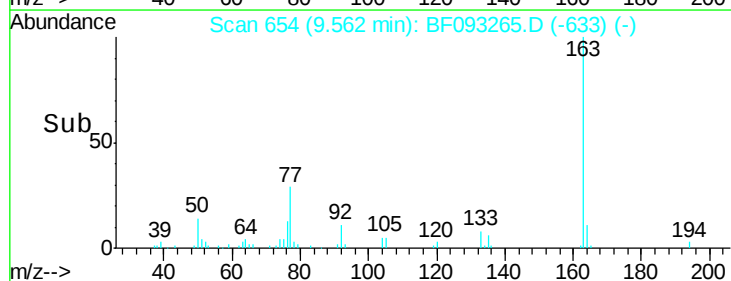
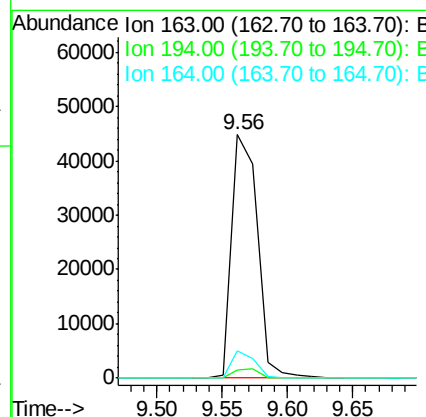
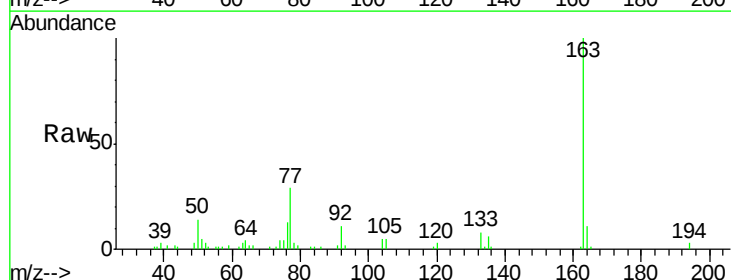
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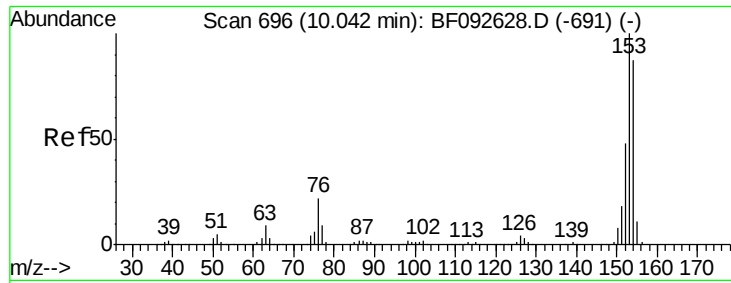
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#49
Dimethylphthalate
Concen: 4.45 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093265.D
Acq: 1 Mar 2017 1:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.4
164	11.4	8.0	12.0





#51

Acenaphthene

Concen: 5.28 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.05 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

Instrument :

BNA_F

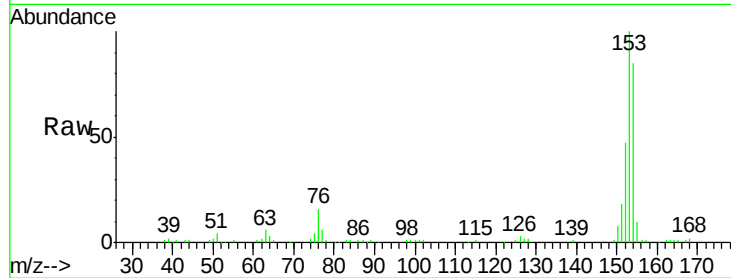
ClientSampleId :

E2-W4-WSWDL

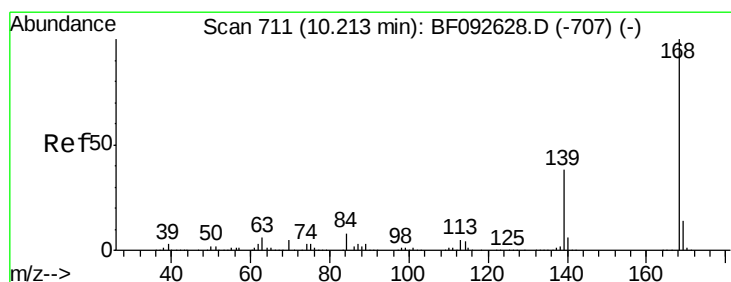
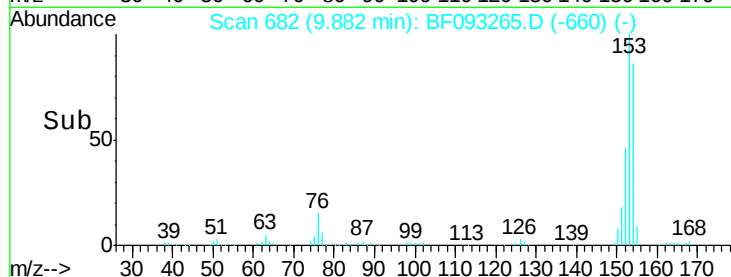
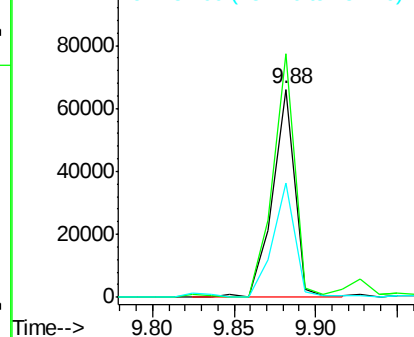
Tgt Ion:	154	Resp:	63252
Ion Ratio	Lower	Upper	
154	100		
153	117.1	88.6	133.0
152	55.0	41.6	62.4

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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

Dibenzofuran

Concen: 3.44 ng

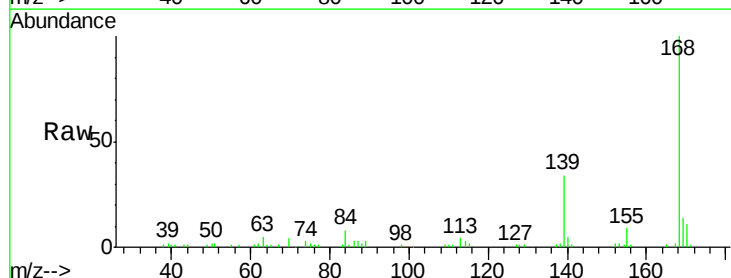
RT: 10.05 min Scan# 697

Delta R.T. -0.05 min

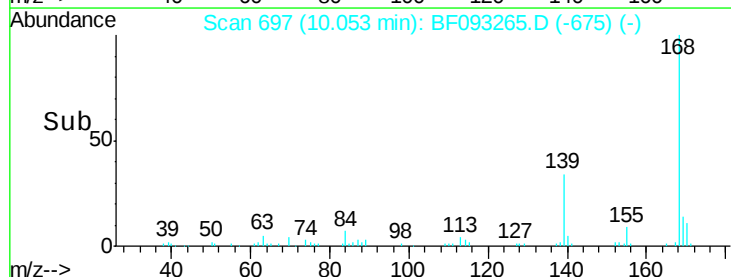
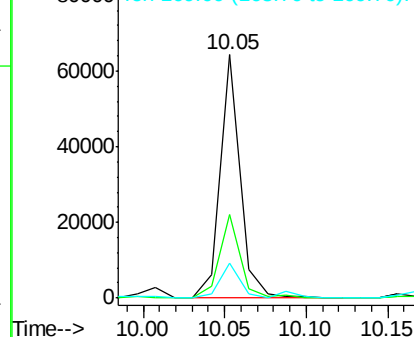
Lab File: BF093265.D

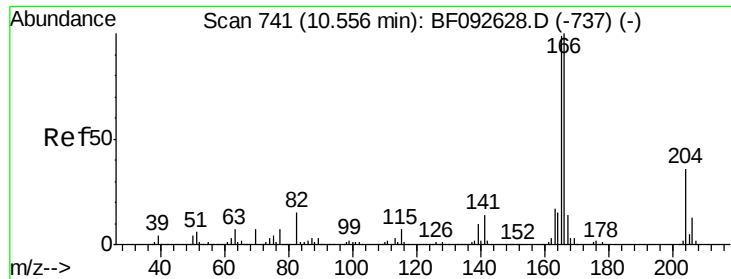
Acq: 1 Mar 2017 1:19

Tgt Ion:	168	Resp:	55179
Ion Ratio	Lower	Upper	
168	100		
139	34.3	32.6	49.0
169	14.3	11.3	16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 5.20 ng m

RT: 10.40 min Scan# 727

Delta R.T. -0.05 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

Instrument :

BNA_F

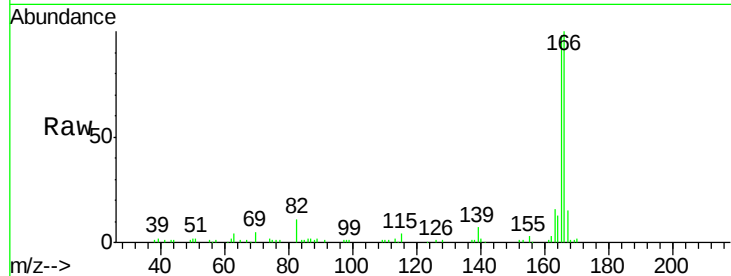
ClientSampleId :

E2-W4-WSWDL

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	64106		
165	98.2	77.8	116.8	
167	14.5	10.8	16.2	

Manual Integrations
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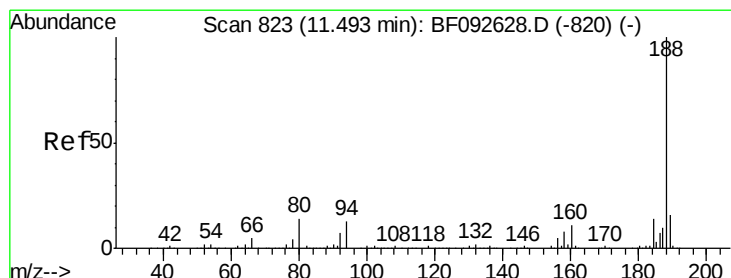
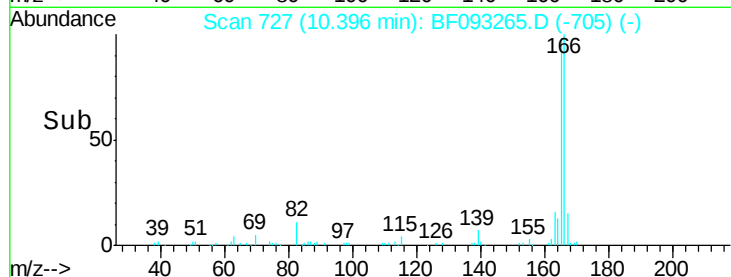
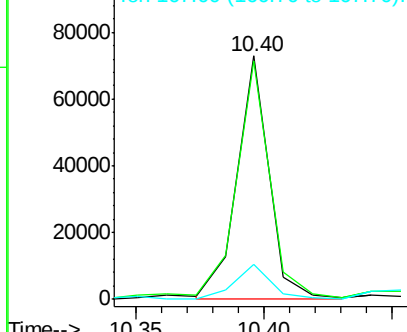
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

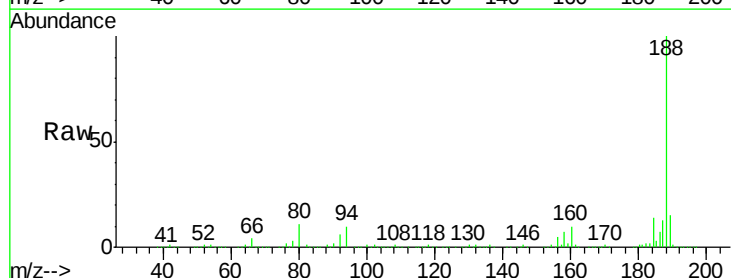
RT: 11.33 min Scan# 809

Delta R.T. -0.05 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

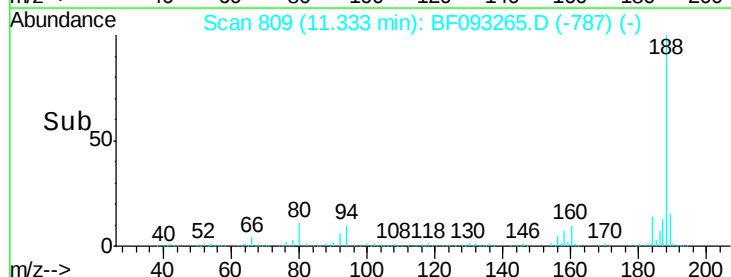
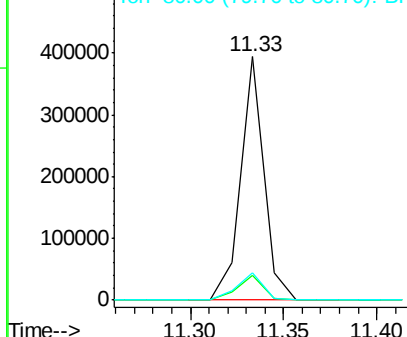
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	344266		
94	10.3	10.0	15.0	
80	11.1	11.2	16.8#	

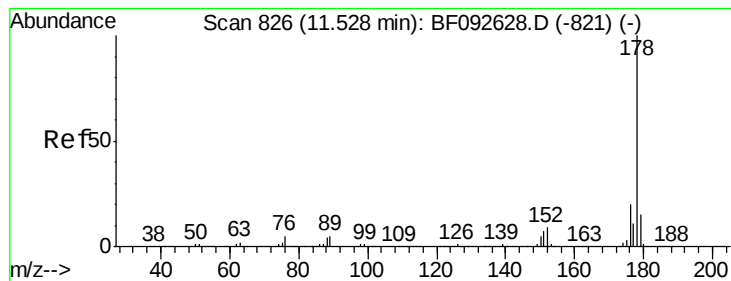


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 49.50 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.05 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

Instrument :

BNA_F

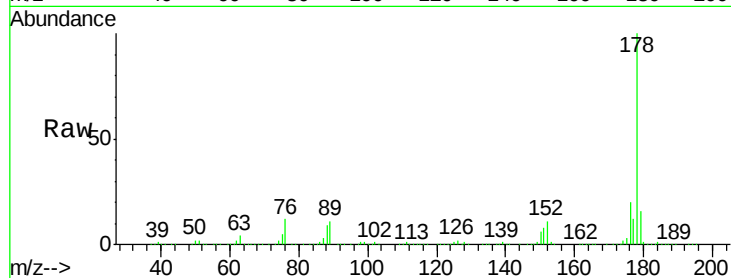
ClientSampleId :

E2-W4-WSWDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.6	25.0
179	15.9	12.8	19.2

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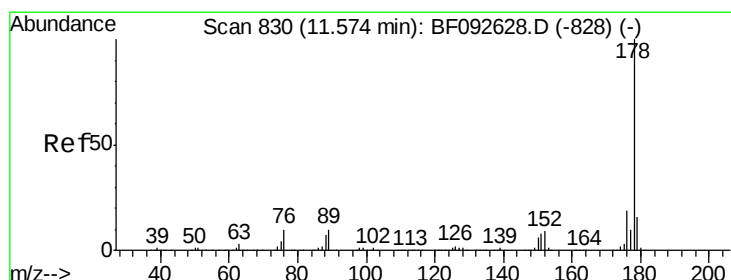
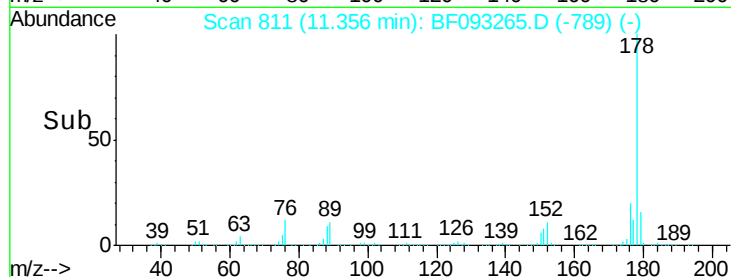
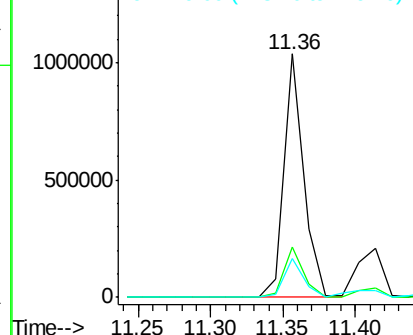
mohammad
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 13.26 ng

RT: 11.41 min Scan# 816

Delta R.T. -0.05 min

Lab File: BF093265.D

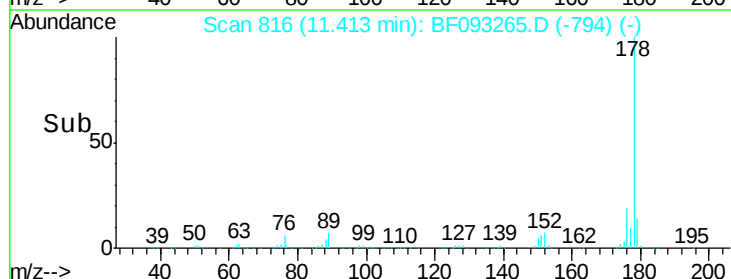
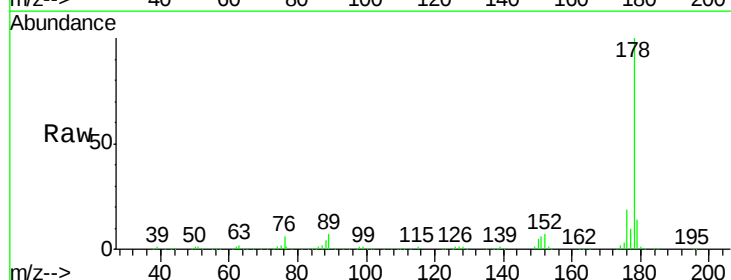
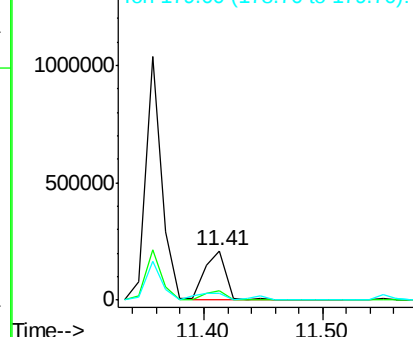
Acq: 1 Mar 2017 1:19

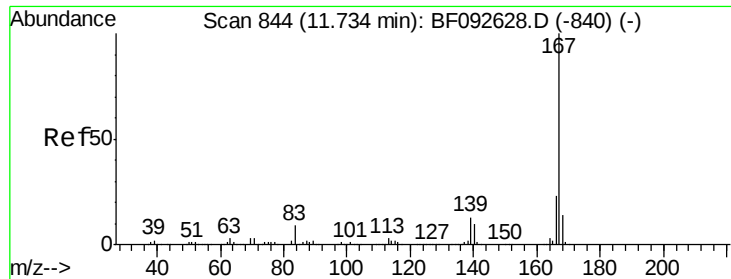
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.9	23.9
179	14.4	13.2	19.8

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.00 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.03 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

Instrument :

BNA_F

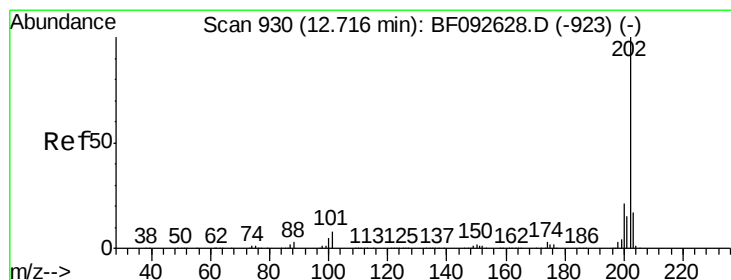
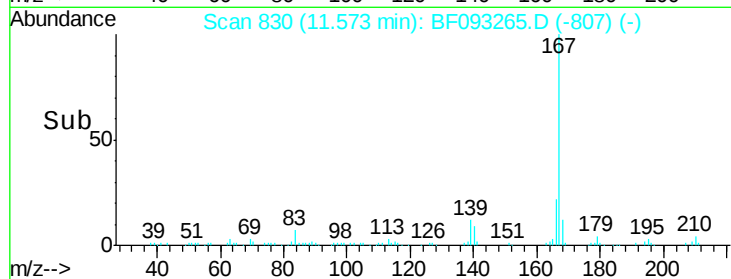
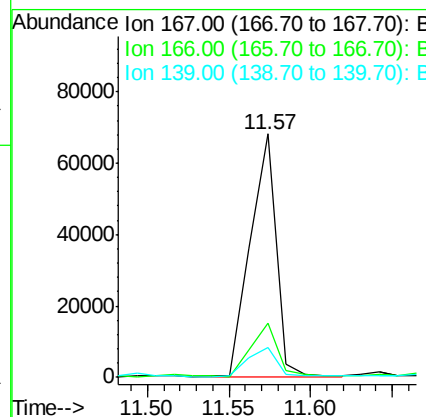
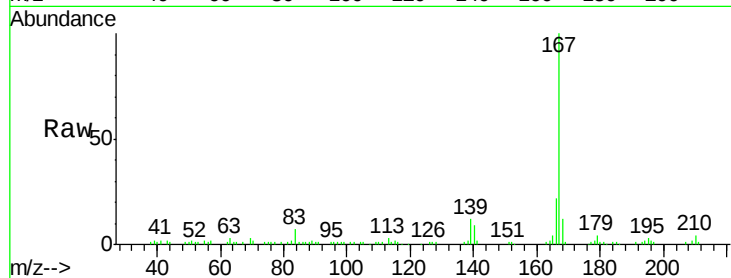
ClientSampleId :

E2-W4-WSWDL

Tgt Ion:	167	Resp:	75718
Ion Ratio	Lower	Upper	
167	100		
166	22.3	18.2	27.2
139	12.2	11.4	17.2

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#74

Fluoranthene

Concen: 70.71 ng

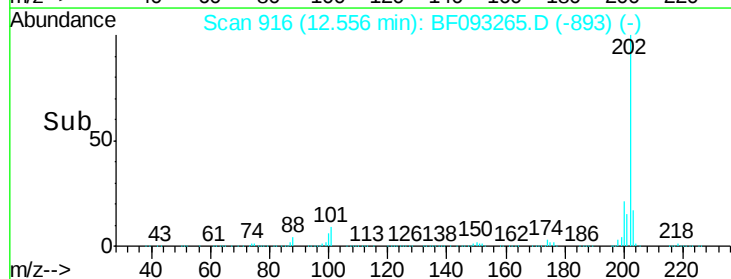
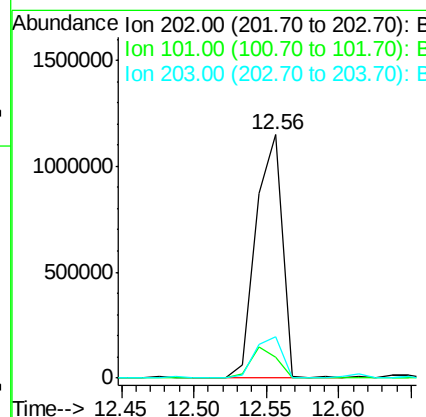
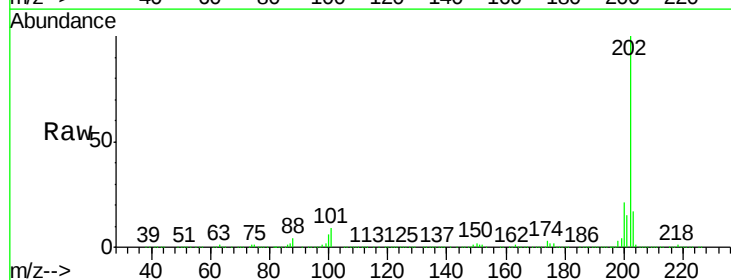
RT: 12.56 min Scan# 916

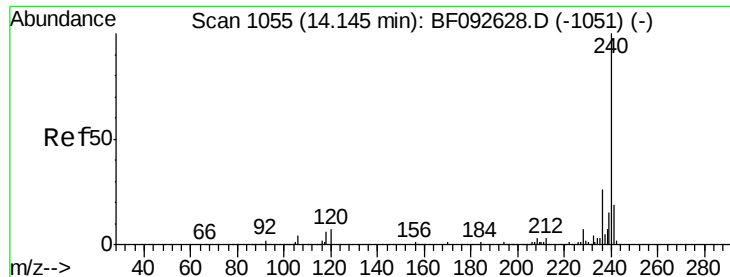
Delta R.T. -0.03 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

Tgt Ion:	202	Resp:	1438550
Ion Ratio	Lower	Upper	
202	100		
101	8.8	0.0	34.6
203	17.2	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.05 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

Instrument :

BNA_F

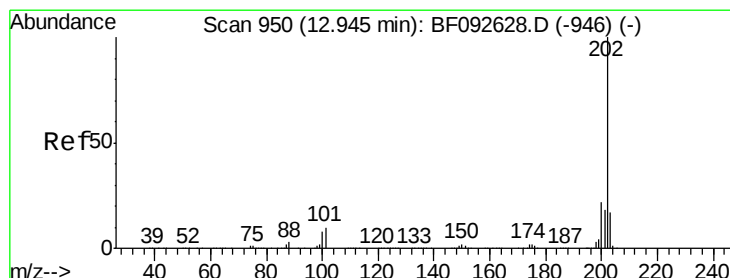
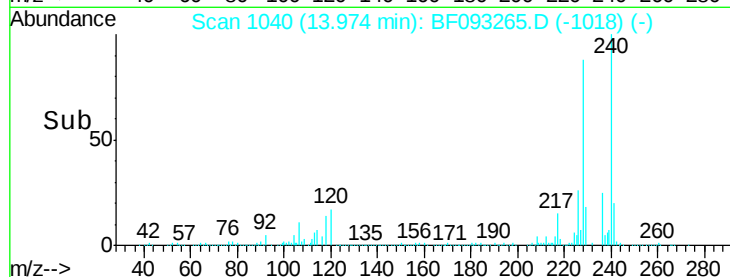
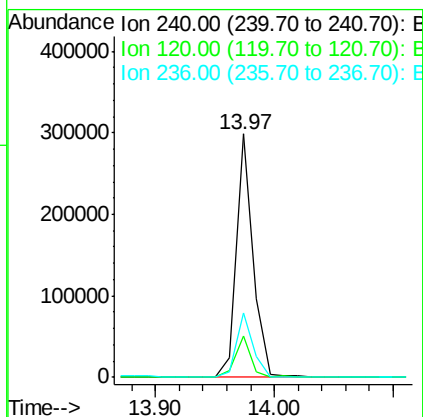
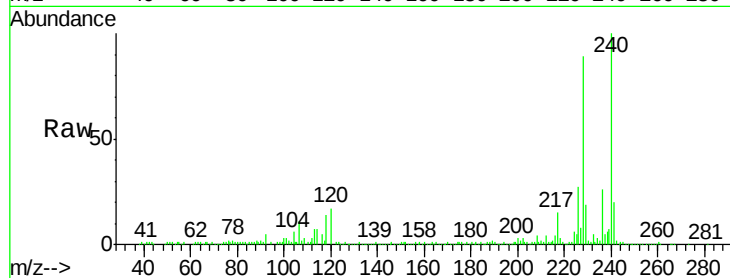
ClientSampleId :

E2-W4-WSWDL

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	291682		
120	16.9	12.9	19.3	
236	26.4	20.9	31.3	

Manual Integrations
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#77

Pyrene

Concen: 63.12 ng

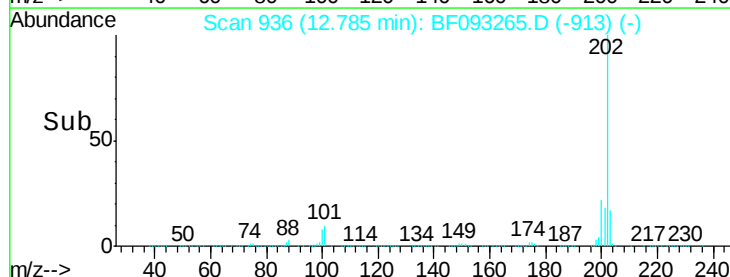
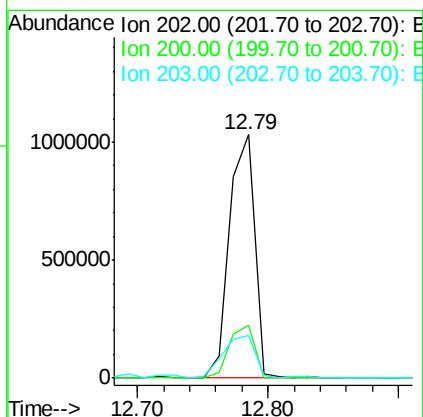
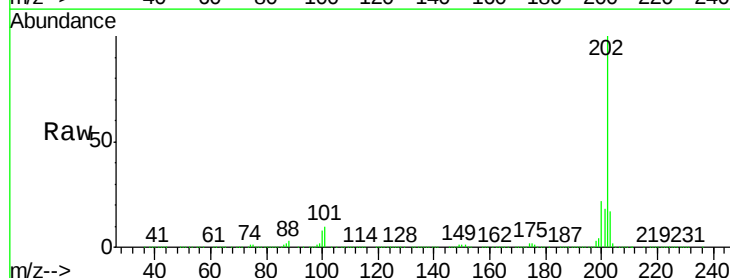
RT: 12.79 min Scan# 936

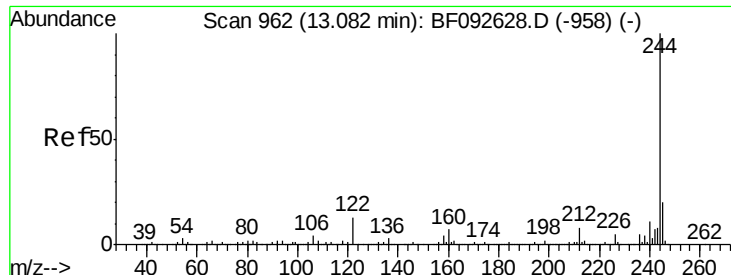
Delta R.T. -0.03 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1377915		
200	21.6	17.7	26.5	
203	17.4	14.7	22.1	





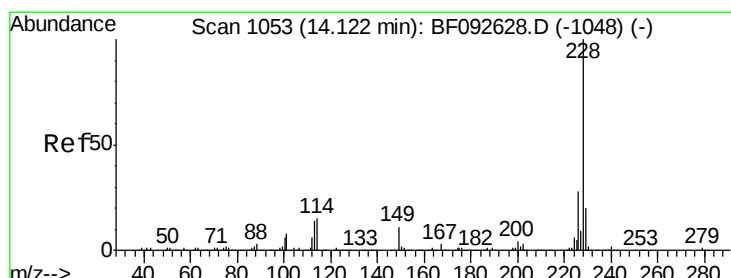
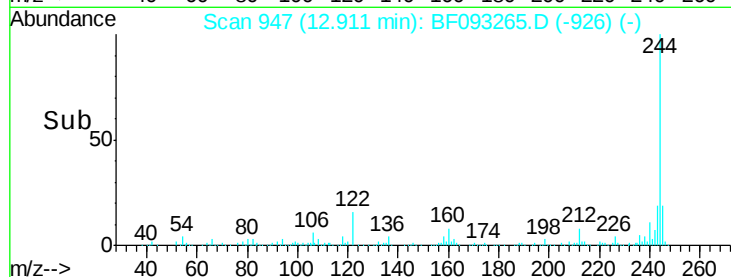
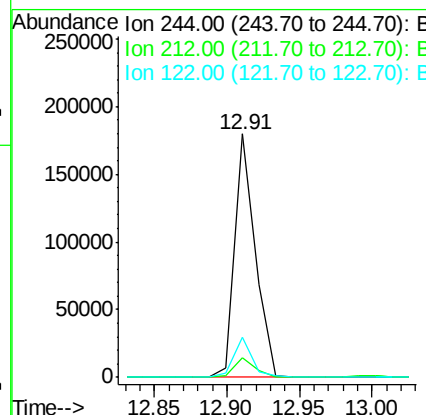
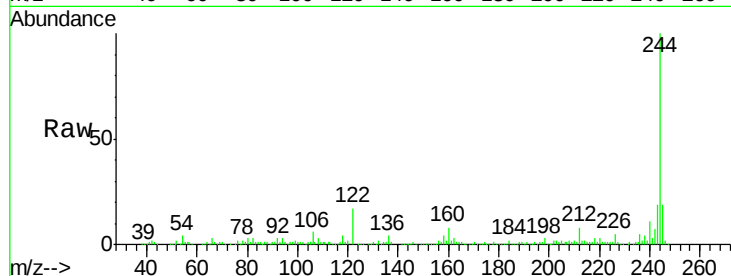
#78
 Terphenyl-d14
 Concen: 14.21 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.06 min
 Lab File: BF093265.D
 Acq: 1 Mar 2017 1:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-W4-WSWDL

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	16.7	11.4	17.2

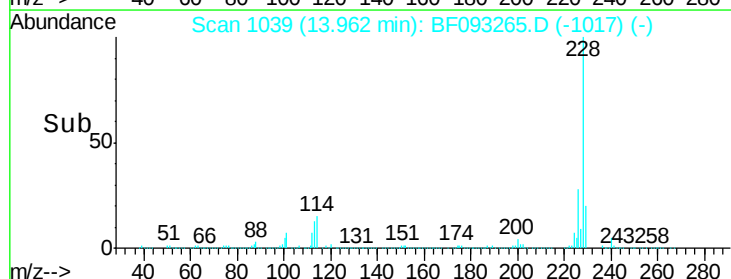
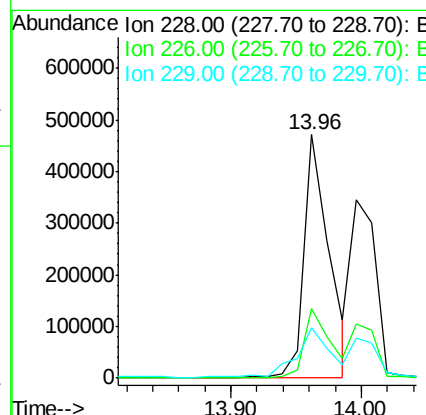
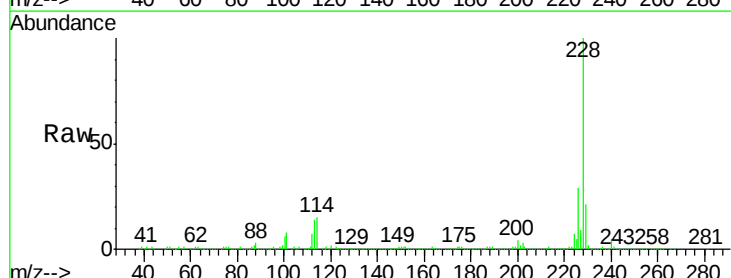
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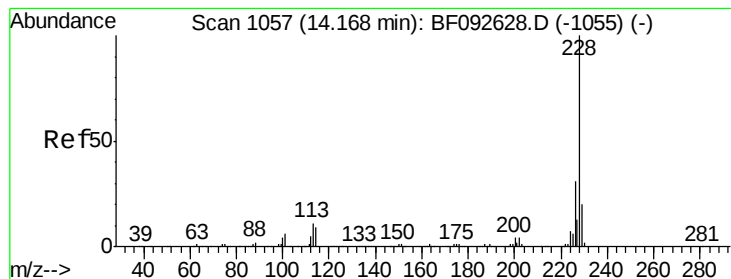
mohammad
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#80
 Benzo(a)anthracene
 Concen: 34.99 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. -0.05 min
 Lab File: BF093265.D
 Acq: 1 Mar 2017 1:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.4	33.6
229	20.6	16.2	24.4





#82

Chrysene

Concen: 26.95 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.05 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

Instrument :

BNA_F

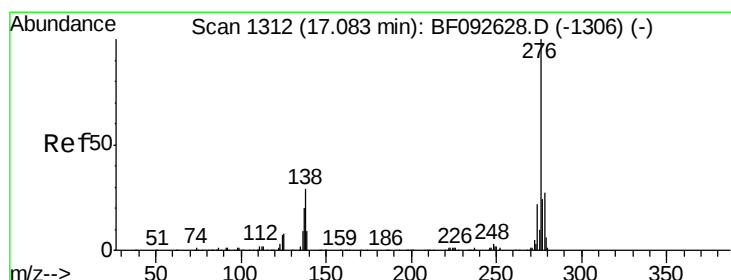
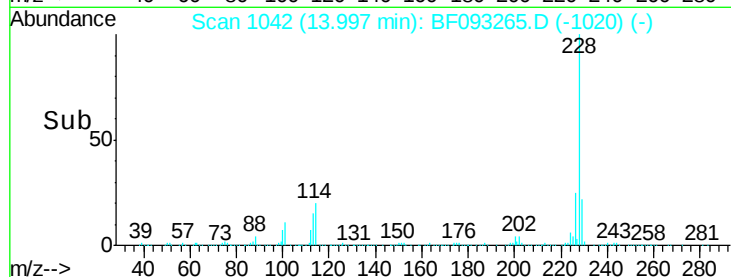
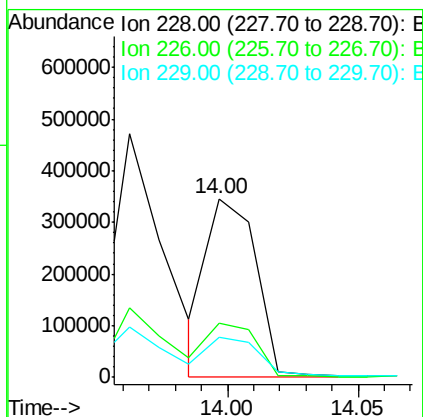
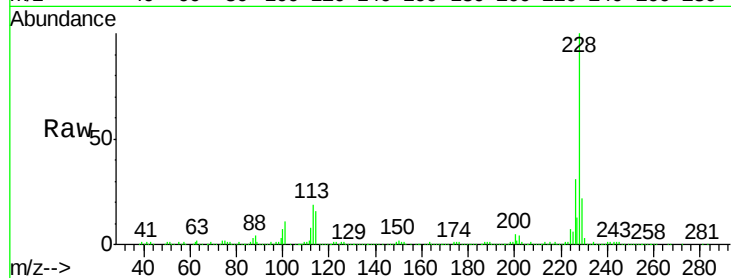
ClientSampleId :

E2-W4-WSWDL

Tgt Ion:	228	Resp:	450072
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.4	38.0
229	22.1	16.2	24.2

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#85

Indeno(1,2,3-cd)pyrene

Concen: 15.80 ng

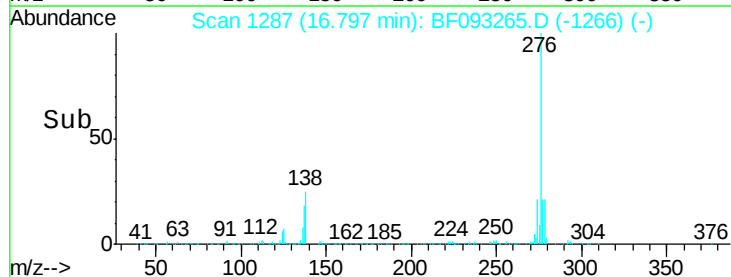
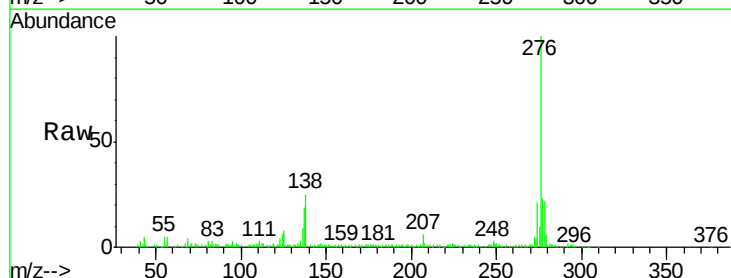
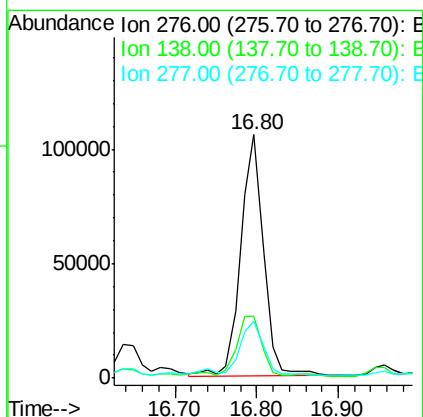
RT: 16.80 min Scan# 1287

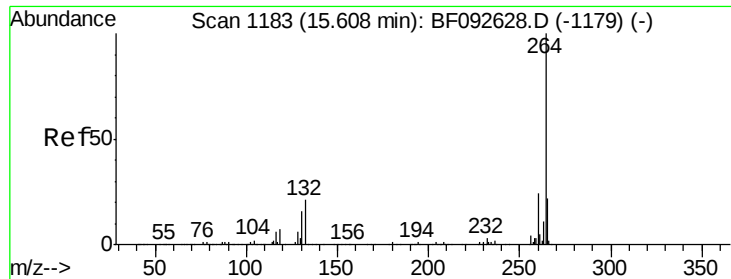
Delta R.T. -0.06 min

Lab File: BF093265.D

Acq: 1 Mar 2017 1:19

Tgt Ion:	276	Resp:	204436
Ion Ratio	Lower	Upper	
276	100		
138	28.1	21.8	32.6
277	23.1	20.2	30.4





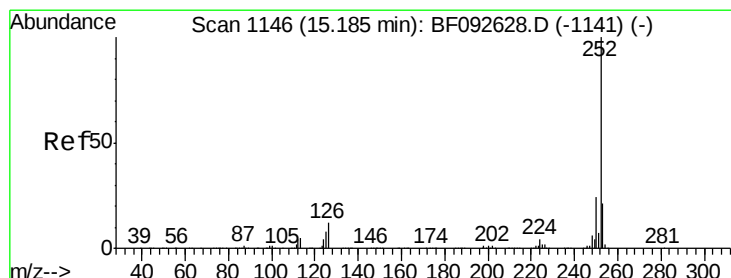
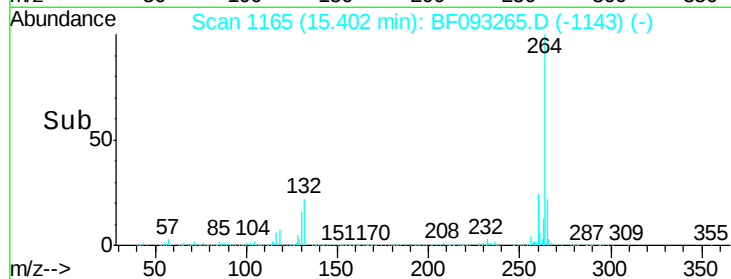
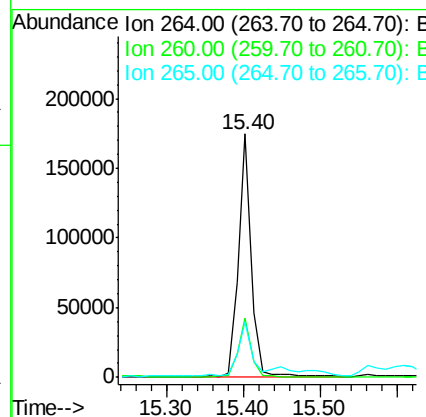
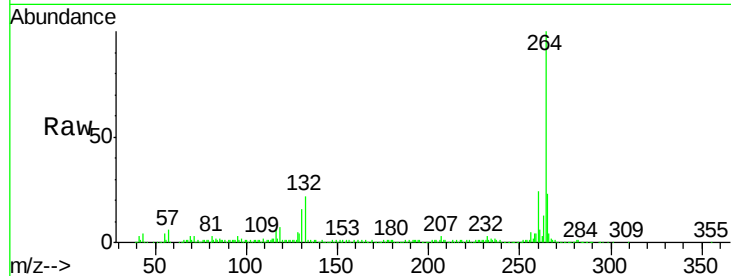
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.05 min
Lab File: BF093265.D
Acq: 1 Mar 2017 1:19

Instrument :
BNA_F
ClientSampleId :
E2-W4-WSWDL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	209360		
260	24.4	19.2	28.8	
265	22.7	17.4	26.0	

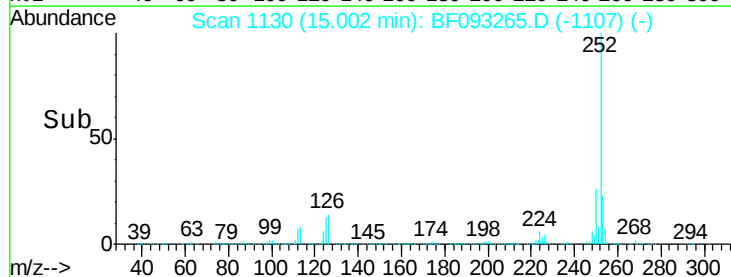
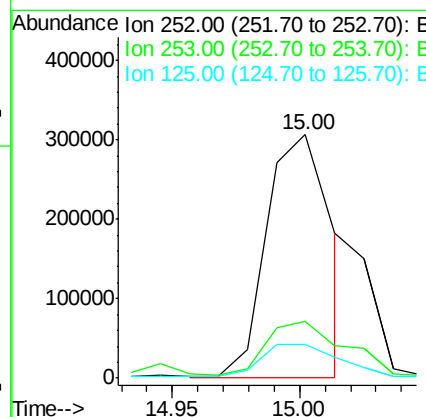
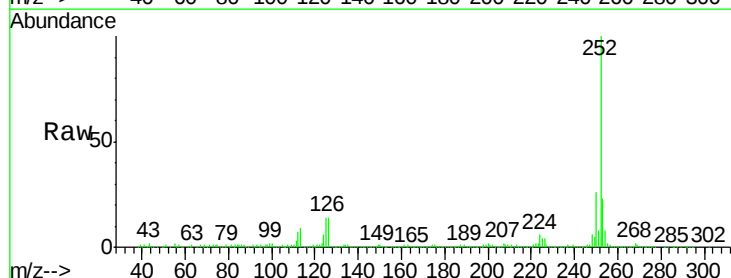
Manual Integrations
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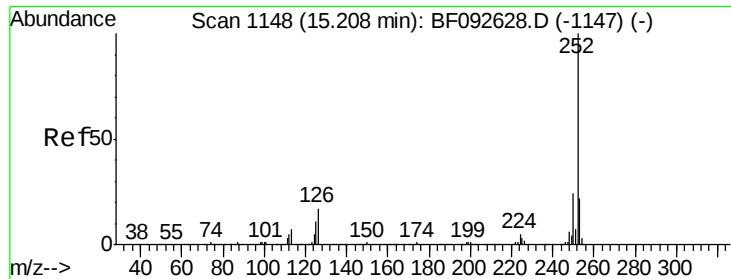
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#87
Benzo(b)fluoranthene
Concen: 39.77 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093265.D
Acq: 1 Mar 2017 1:19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	548062		
253	23.2	18.2	27.4	
125	13.7	9.8	14.6	





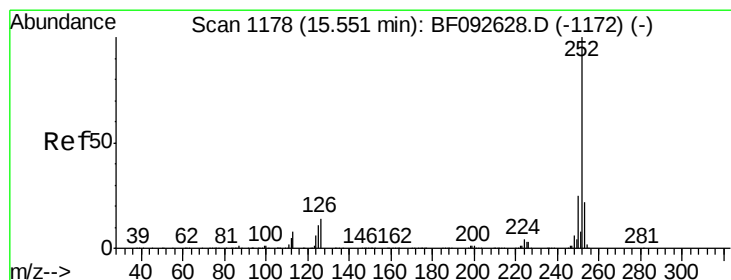
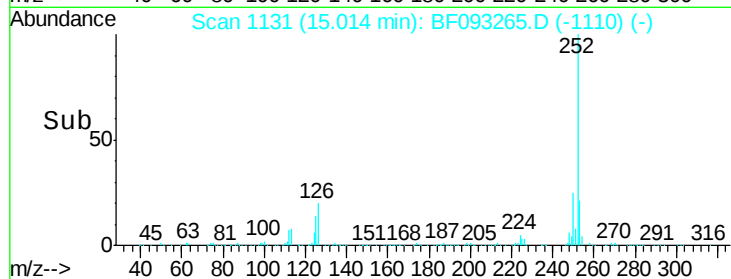
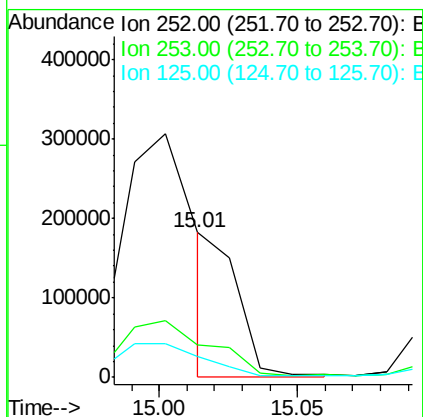
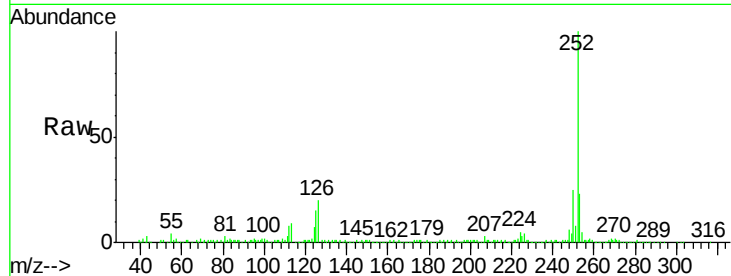
#88
Benzo(k)fluoranthene
Concen: 9.80 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093265.D
Acq: 1 Mar 2017 1:19

Instrument :
BNA_F
ClientSampleId :
E2-W4-WSWDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	14.5	8.9	13.3#

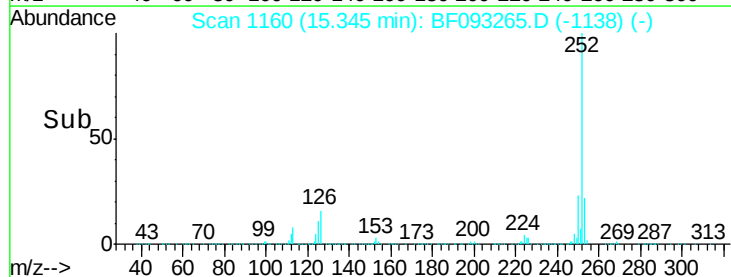
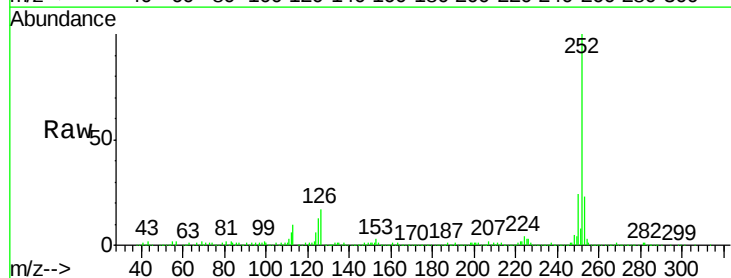
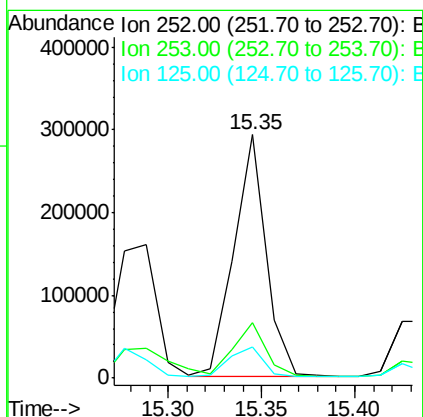
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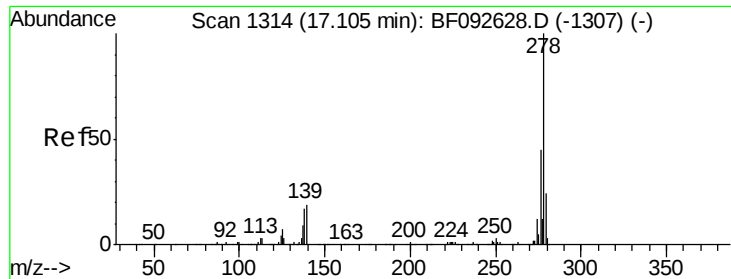
mohammad
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#89
Benzo(a)pyrene
Concen: 29.77 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093265.D
Acq: 1 Mar 2017 1:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	12.5	10.0	15.0





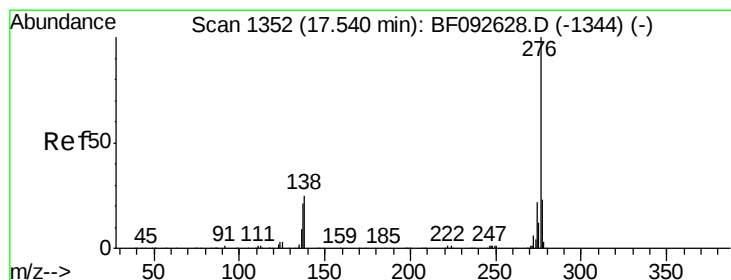
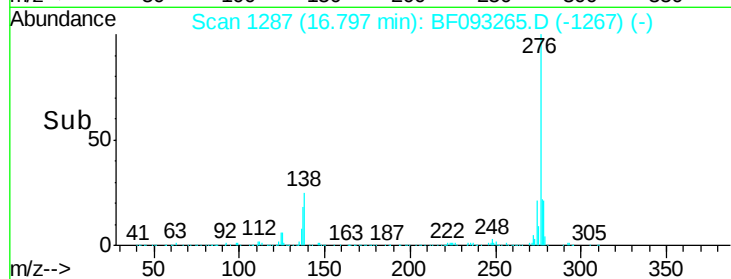
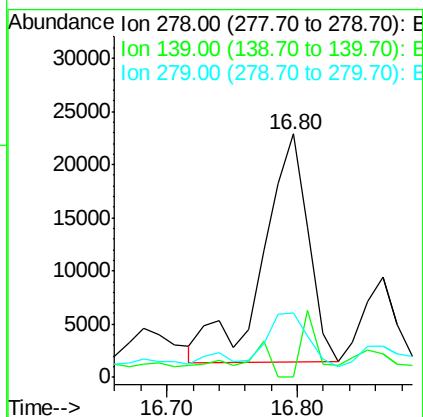
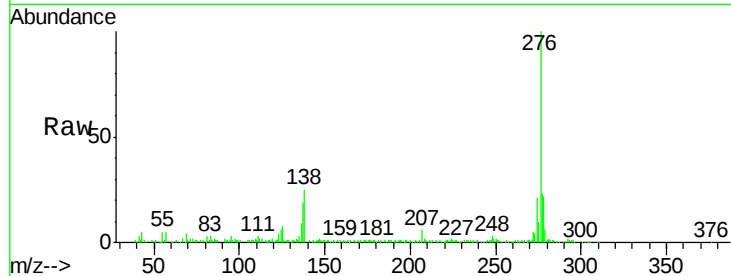
#90
Dibenzo(a,h)anthracene
Concen: 5.42 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF093265.D
Acq: 1 Mar 2017 1:19

Instrument :
BNA_F
ClientSampleId :
E2-W4-WSWDL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	26.4	19.8	29.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 19.83 ng
RT: 17.22 min Scan# 1324
Delta R.T. -0.07 min
Lab File: BF093265.D
Acq: 1 Mar 2017 1:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.2	28.8
138	28.0	16.0	24.0#

