

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
 Data File : BF093267.D
 Acq On : 1 Mar 2017 2:14
 Operator : SJ/MA
 Sample : I1997-04DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-W7-BASEDL

Manual Integrations
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Quant Time: Mar 01 03:16:58 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	125643	20.00	ng	-0.05
21) Naphthalene-d8	8.10	136	467178	20.00	ng	-0.05
38) Acenaphthene-d10	9.85	164	190833	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	309759	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	268744	20.00	ng	-0.05
86) Perylene-d12	15.40	264	202918	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	202209	27.61	ng	-0.03
7) Phenol-d6	6.48	99	265594	28.19	ng	-0.01
23) Nitrobenzene-d5	7.38	82	148295	17.68	ng	-0.05
41) 2,4,6-Tribromophenol	10.64	330	31019	22.47	ng	-0.05
44) 2-Fluorobiphenyl	9.17	172	223782	21.24	ng	-0.05
78) Terphenyl-d14	12.92	244	165933	14.51	ng	-0.05
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.25	107	19250	2.32	ng	# 66
31) Naphthalene	8.12	128	183529	7.75	ng	98
37) 2-Methylnaphthalene	8.81	142	65628	4.32	ng	97
48) Acenaphthylene	9.71	152	139912	7.49	ng	97
49) Dimethylphthalate	9.56	163	72473	5.64	ng	# 99
51) Acenaphthene	9.88	154	47308	4.24	ng	97
57) Fluorene	10.40	166	63631m	5.54	ng	
70) Phenanthrene	11.36	178	503781	28.39	ng	98
71) Anthracene	11.41	178	185313	10.40	ng	96
74) Fluoranthene	12.55	202	598150	32.68	ng	96
77) Pyrene	12.79	202	877768	43.64	ng	99
80) Benzo(a)anthracene	13.96	228	470582	28.63	ng	94
82) Chrysene	14.01	228	351168m	22.82	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	234735	19.69	ng	97
87) Benzo(b)fluoranthene	15.00	252	453525m	33.96	ng	
88) Benzo(k)fluoranthene	15.01	252	107271m	9.30	ng	
89) Benzo(a)pyrene	15.35	252	443003	38.35	ng	97
90) Dibenzo(a,h)anthracene	16.80	278	59782m	6.40	ng	
91) Benzo(g,h,i)perylene	17.22	276	318248	33.74	ng	# 90

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

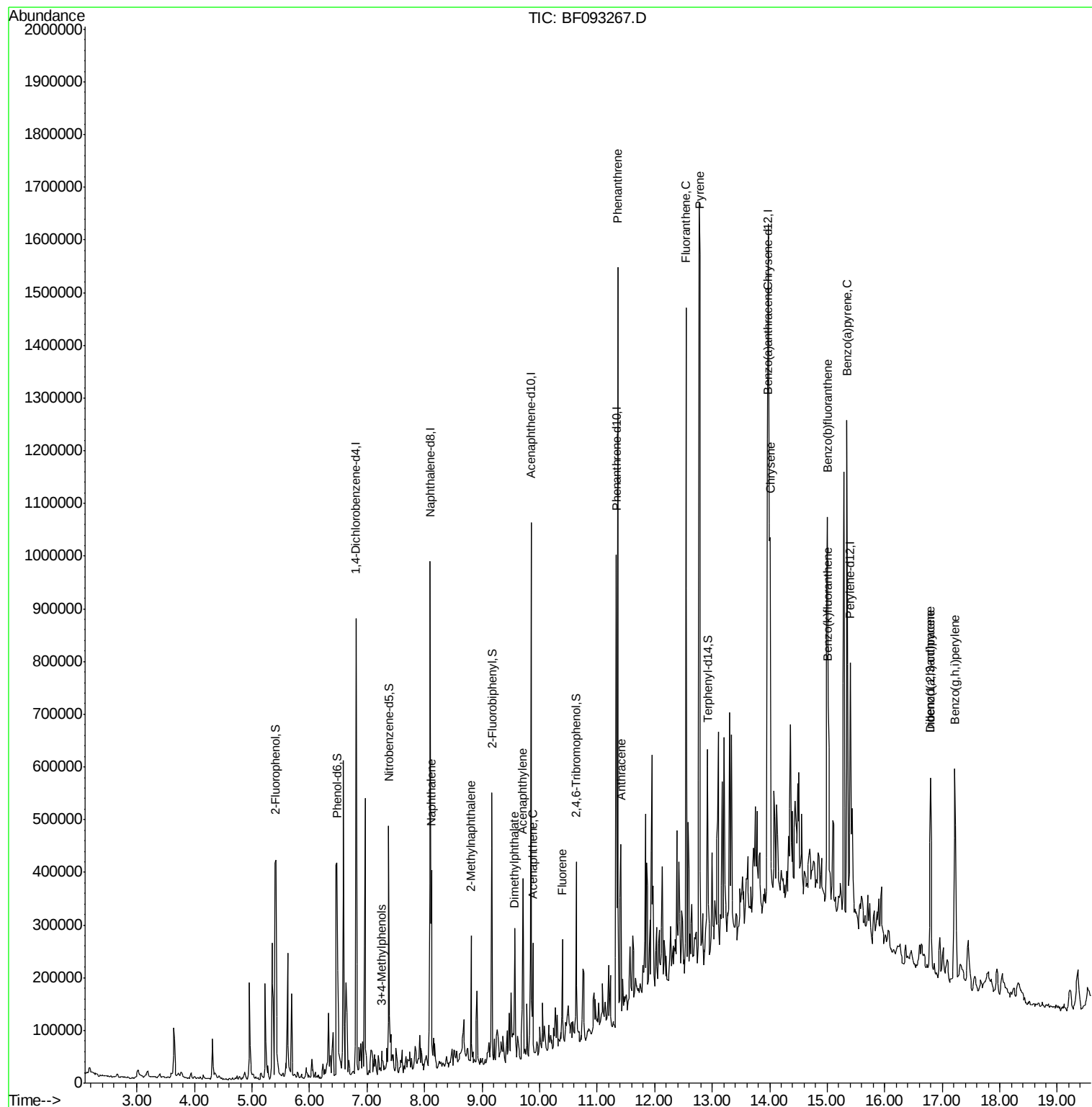
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
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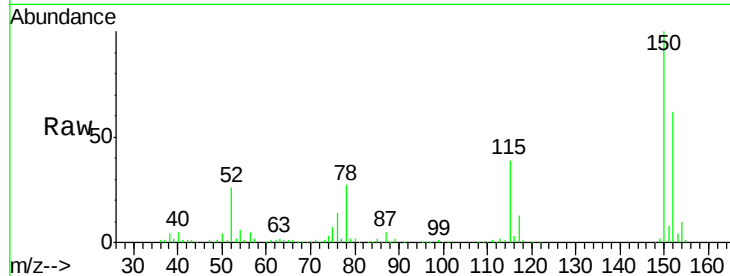
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.05 min
 Lab File: BF093267.D
 Acq: 1 Mar 2017 2:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-W7-BASEDL

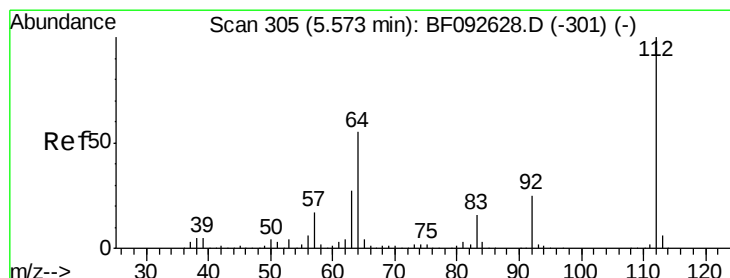
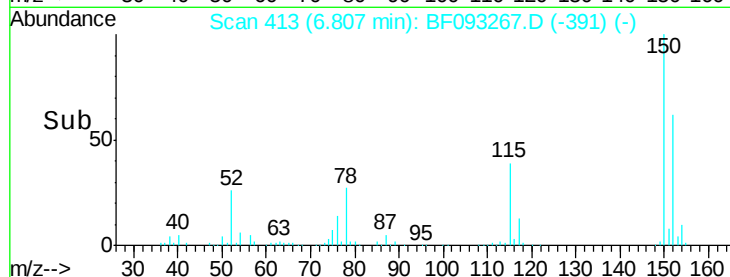
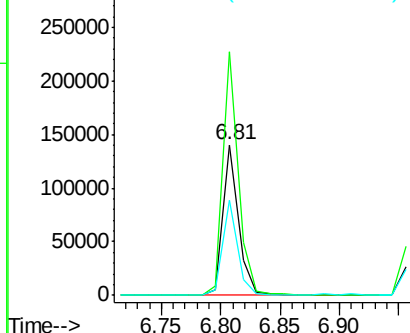
Tgt Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.9	187.3
115	62.9	46.0	69.0

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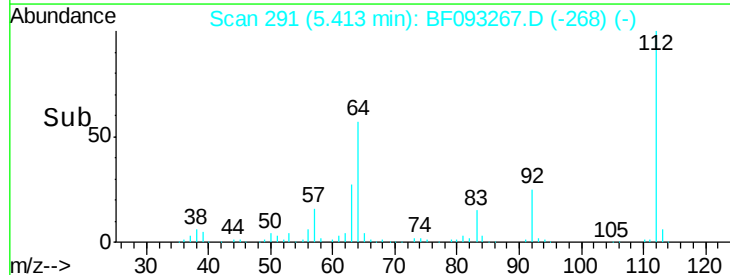
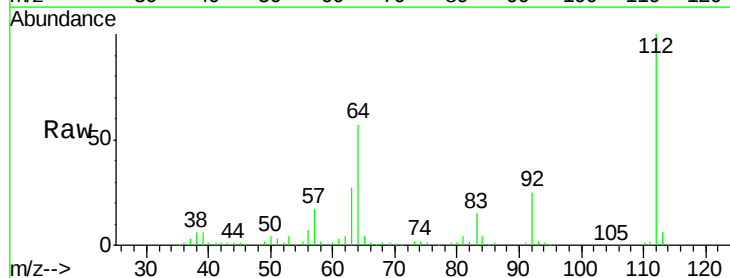
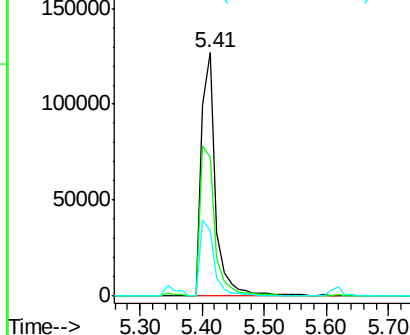
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

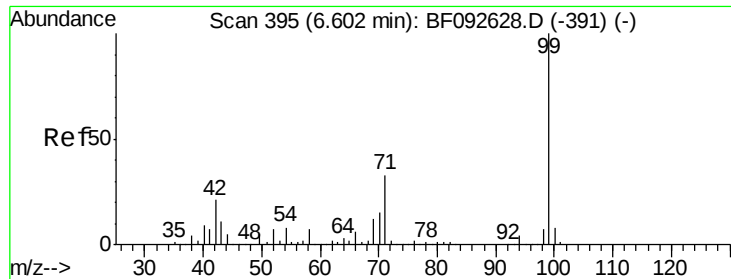


#5
 2-Fluorophenol
 Concen: 27.61 ng
 RT: 5.41 min Scan# 291
 Delta R.T. -0.03 min
 Lab File: BF093267.D
 Acq: 1 Mar 2017 2:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.1	69.1
63	26.9	23.8	35.6

Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.19 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093267.D

Acq: 1 Mar 2017 2:14

Instrument :

BNA_F

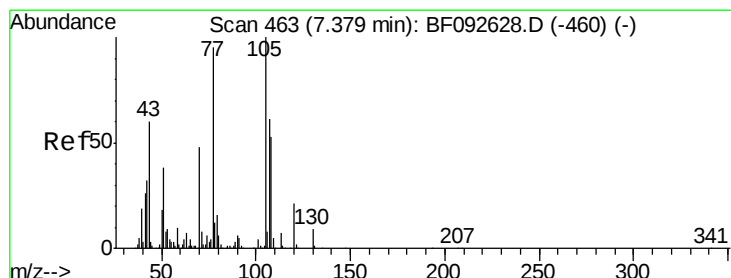
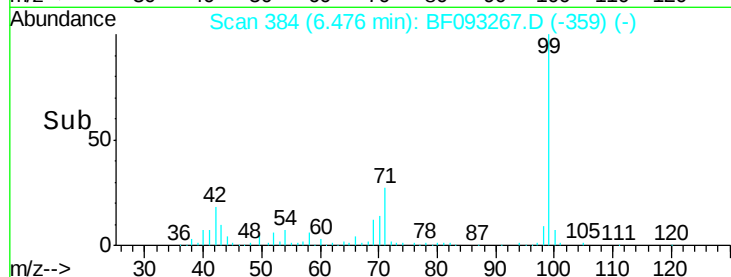
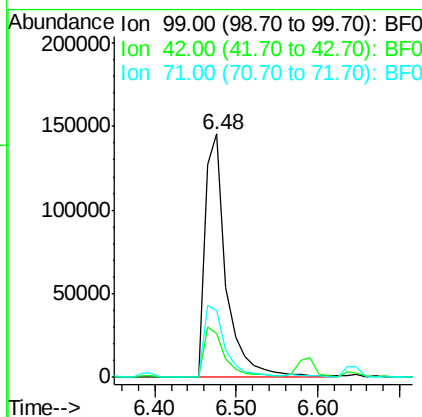
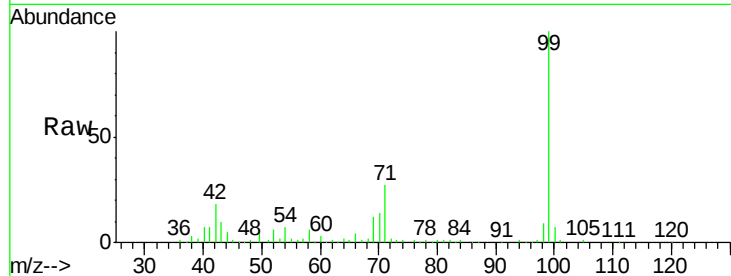
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Tgt Ion:	99	Resp:	265594
Ion Ratio	Lower	Upper	
99	100		
42	18.0	15.6	23.4
71	27.4	27.5	41.3#

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#20

3+4-Methylphenols

Concen: 2.32 ng

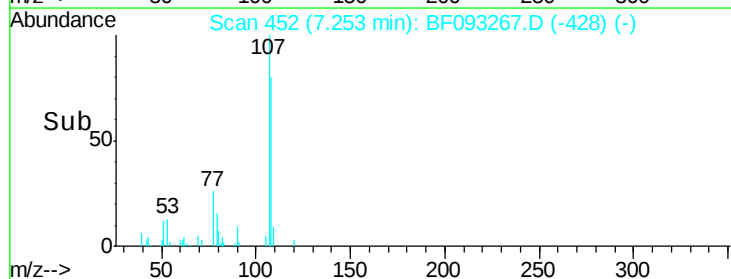
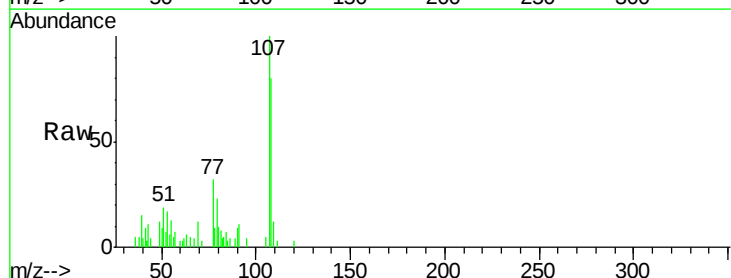
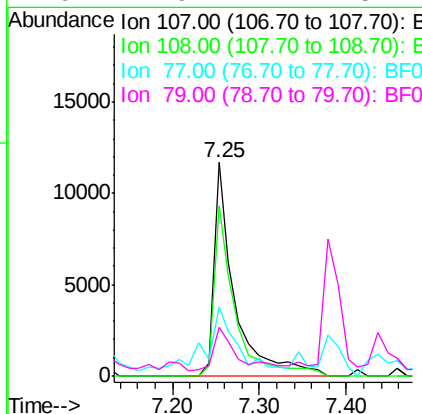
RT: 7.25 min Scan# 452

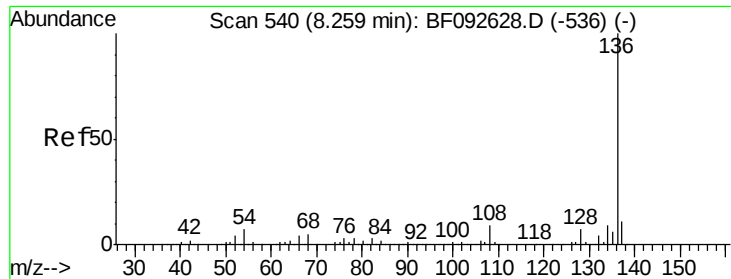
Delta R.T. -0.02 min

Lab File: BF093267.D

Acq: 1 Mar 2017 2:14

Tgt Ion:	107	Resp:	19250
Ion Ratio	Lower	Upper	
107	100		
108	80.0	73.0	113.0
77	32.4	71.3	111.3#
79	22.9	11.1	51.1





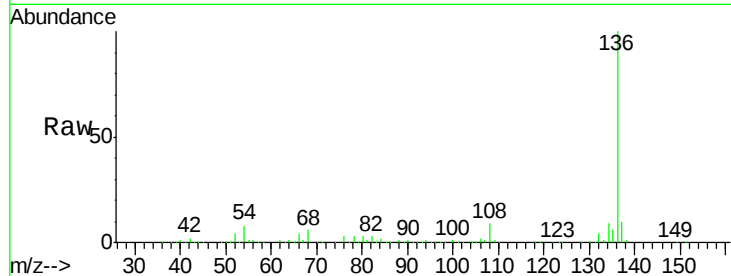
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Instrument :
BNA_F
ClientSampleId :
E2-W7-BASEDL

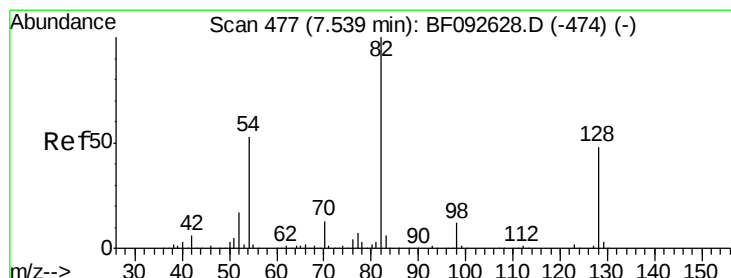
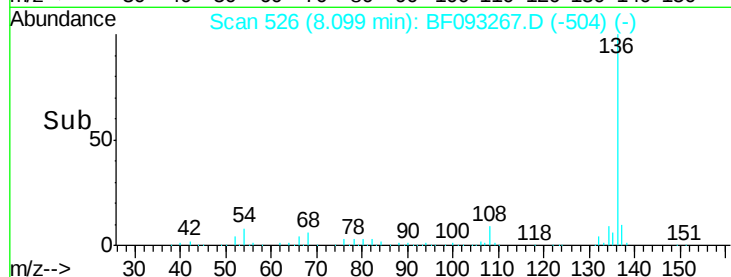
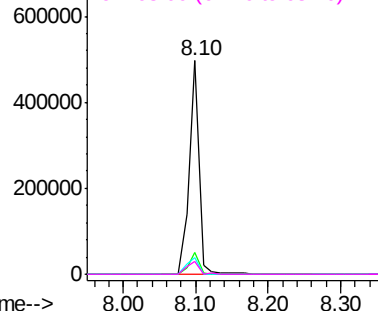
Tgt Ion	Ratio	Resp Lower	Resp Upper
136	100		
137	10.5	8.4	12.6
54	7.7	4.5	6.7#
68	5.9	3.6	5.4#

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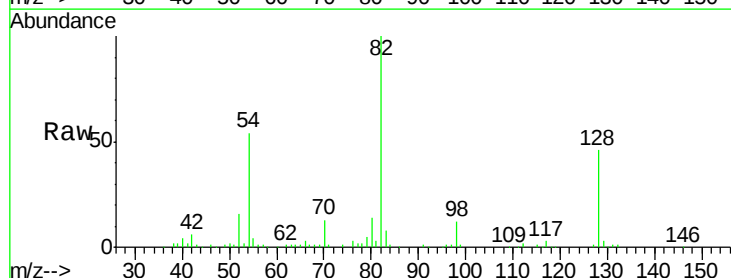


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

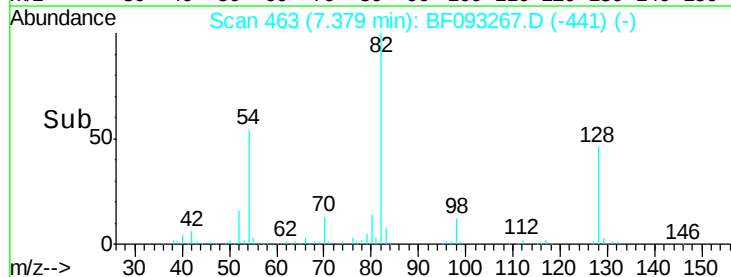
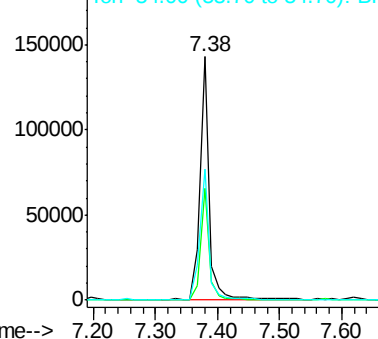


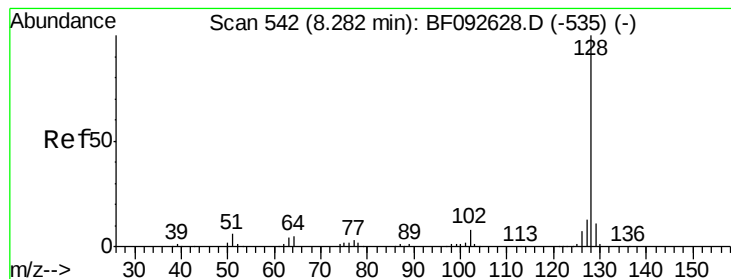
#23
Nitrobenzene-d5
Concen: 17.68 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.05 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	45.7	34.6	52.0
54	53.8	39.5	59.3



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





#31

Naphthalene

Concen: 7.75 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.05 min

Lab File: BF093267.D

Acq: 1 Mar 2017 2:14

Instrument :

BNA_F

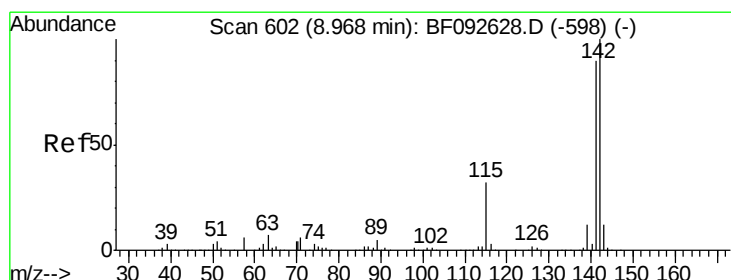
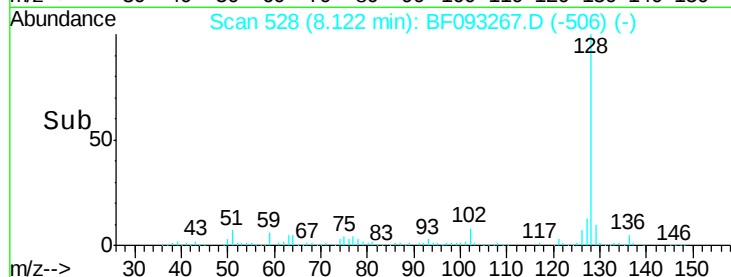
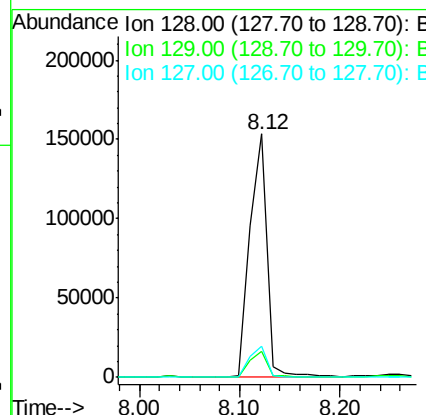
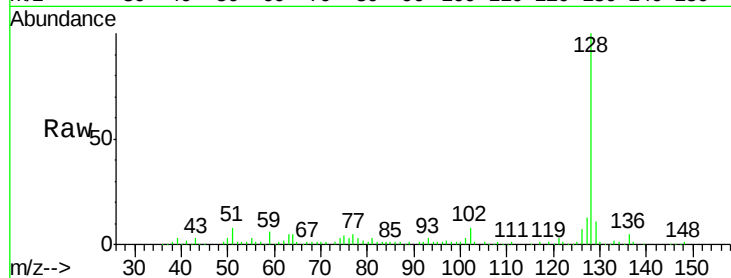
ClientSampleId :

E2-W7-BASEDL

Tgt Ion:	128	Resp:	183529
Ion Ratio	Lower	Upper	
128	100		
129	10.7	9.5	14.3
127	12.9	10.8	16.2

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#37

2-Methylnaphthalene

Concen: 4.32 ng

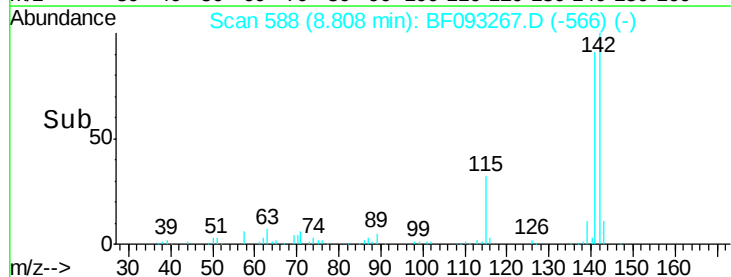
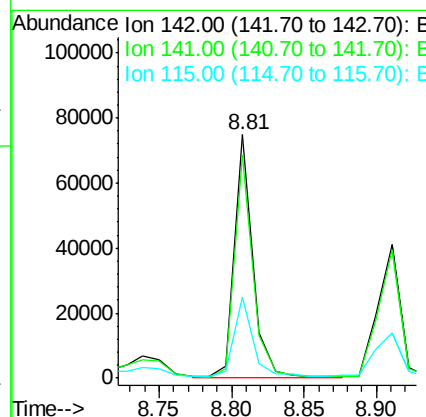
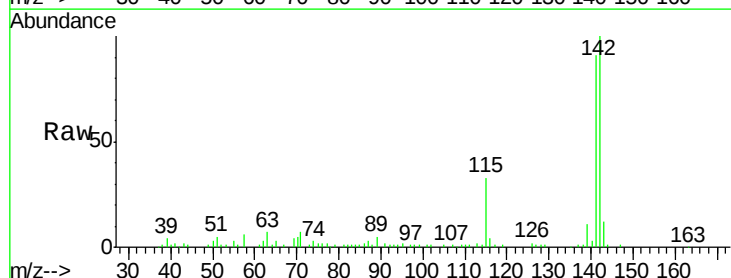
RT: 8.81 min Scan# 588

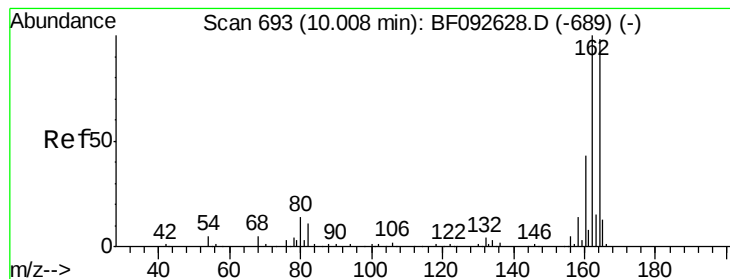
Delta R.T. -0.05 min

Lab File: BF093267.D

Acq: 1 Mar 2017 2:14

Tgt Ion:	142	Resp:	65628
Ion Ratio	Lower	Upper	
142	100		
141	91.4	71.0	106.6
115	33.1	28.3	42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 679

Delta R.T. -0.05 min

Lab File: BF093267.D

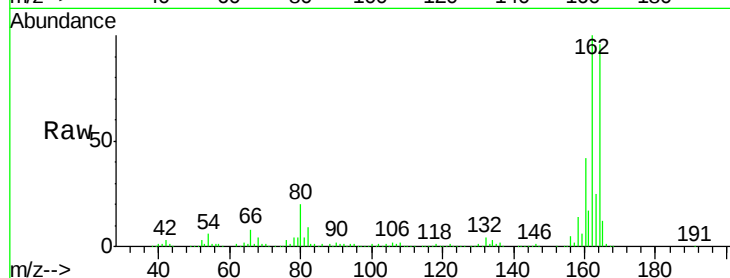
Acq: 1 Mar 2017 2:14

Instrument :

BNA_F

ClientSampleId :

E2-W7-BASEDL



Tgt Ion:164 Resp: 190833

Ion Ratio Lower Upper

164 100

162 104.0 80.2 120.2

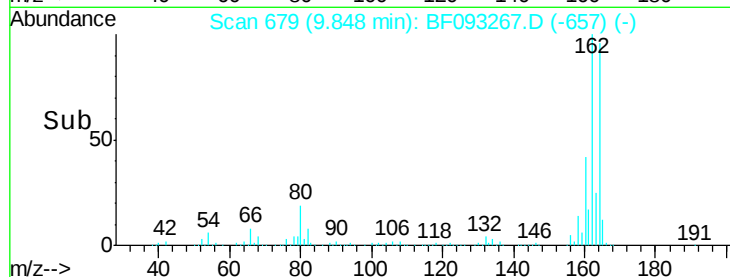
160 43.7 36.9 55.3

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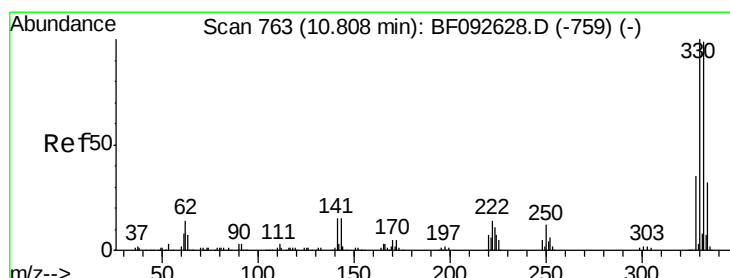
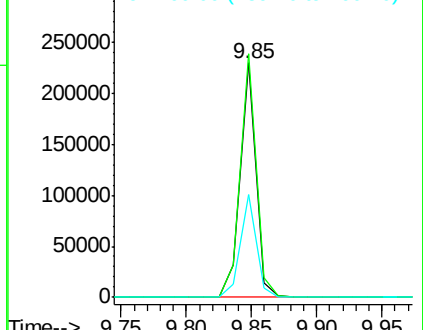
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 22.47 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.05 min

Lab File: BF093267.D

Acq: 1 Mar 2017 2:14

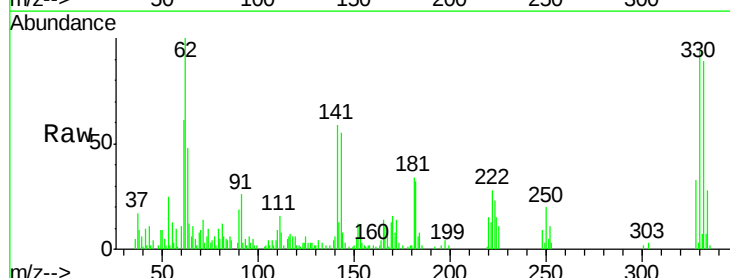
Tgt Ion:330 Resp: 31019

Ion Ratio Lower Upper

330 100

332 98.4 77.4 116.2

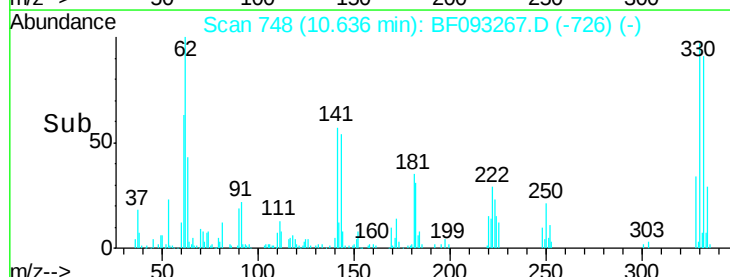
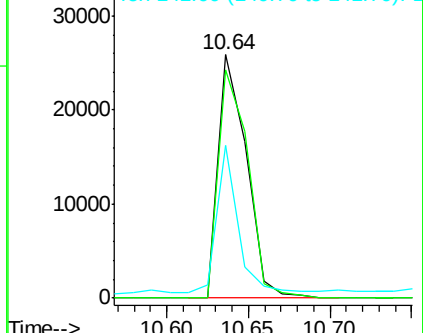
141 47.2 34.1 51.1

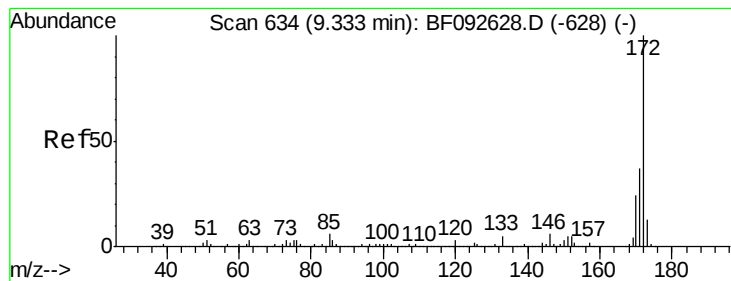


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





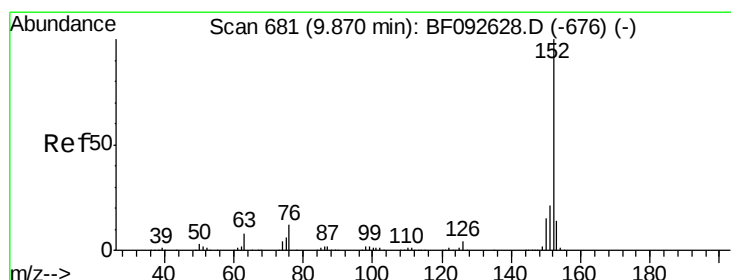
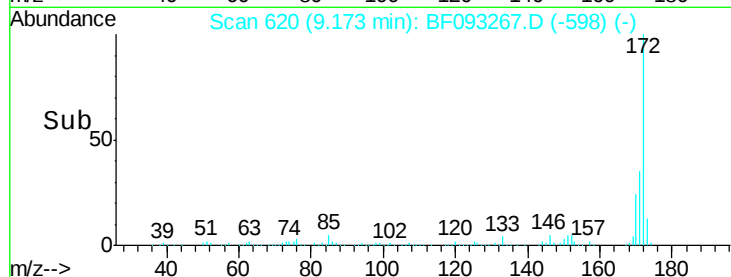
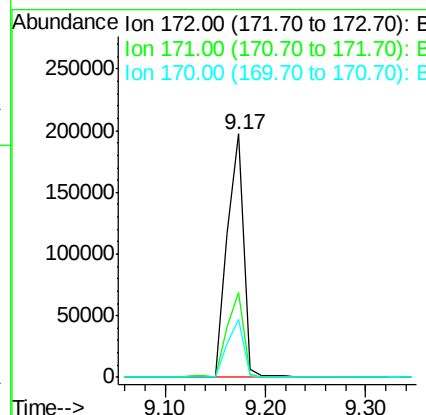
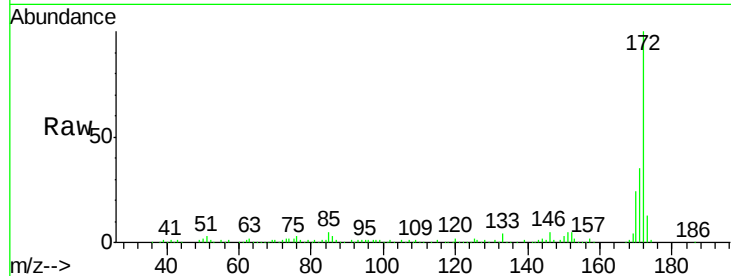
#44
2-Fluorobiphenyl
Concen: 21.24 ng
RT: 9.17 min Scan# 620
Delta R.T. -0.05 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Instrument :
BNA_F
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E2-W7-BASEDL

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	223782		
171	35.1	29.4	44.0	
170	23.9	20.2	30.4	

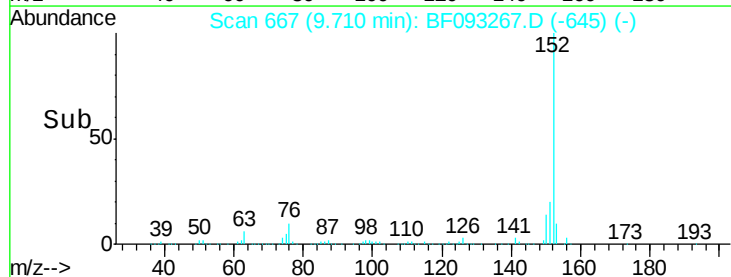
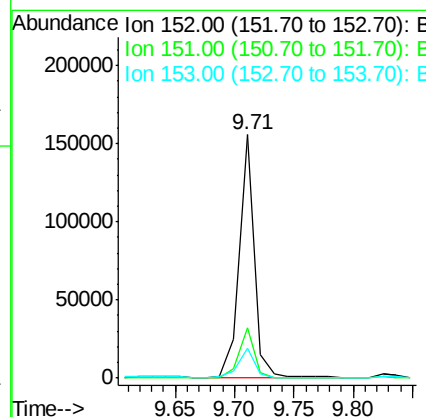
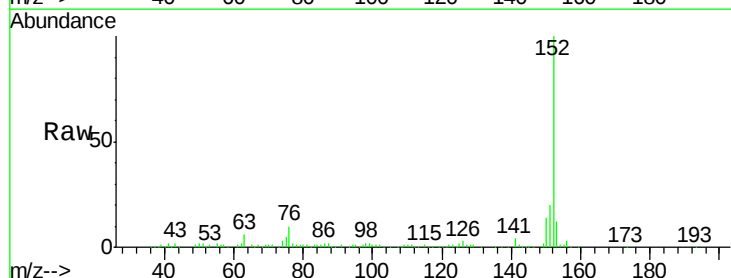
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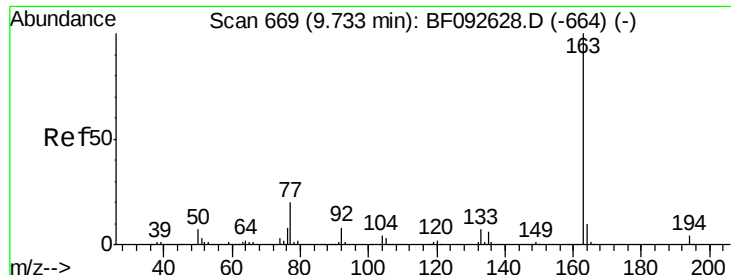
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#48
Acenaphthylene
Concen: 7.49 ng
RT: 9.71 min Scan# 667
Delta R.T. -0.05 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	139912		
151	20.4	16.9	25.3	
153	12.2	11.4	17.2	





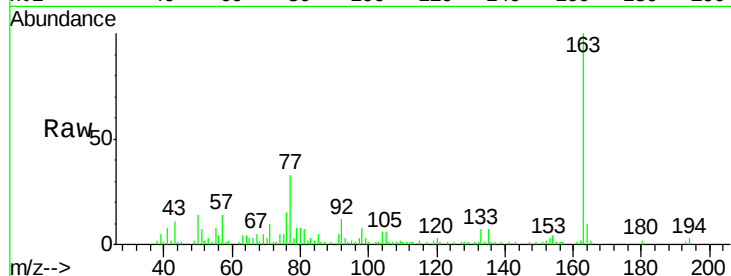
#49
Dimethylphthalate
Concen: 5.64 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.06 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Instrument :
BNA_F
ClientSampleId :
E2-W7-BASEDL

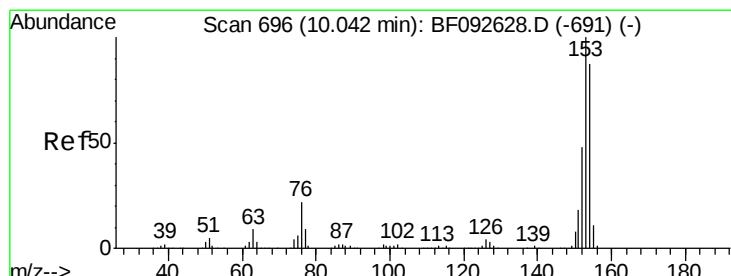
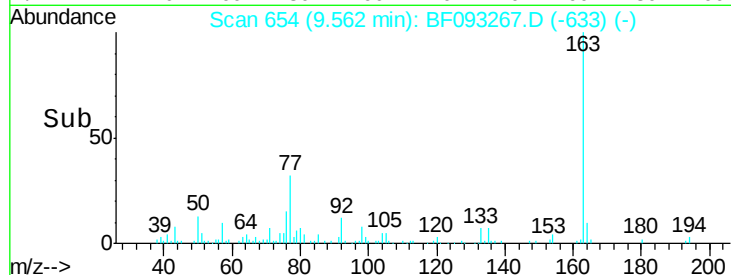
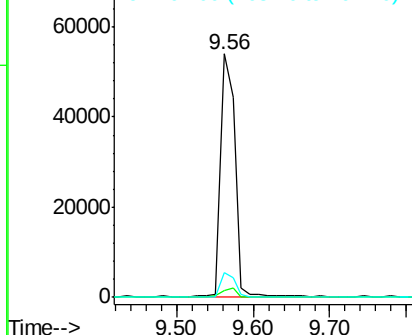
Tgt Ion:163 Resp: 72473
Ion Ratio Lower Upper
163 100
194 2.9 3.0 4.4#
164 10.4 8.0 12.0

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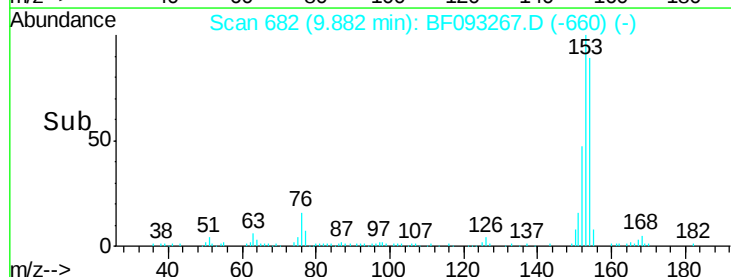
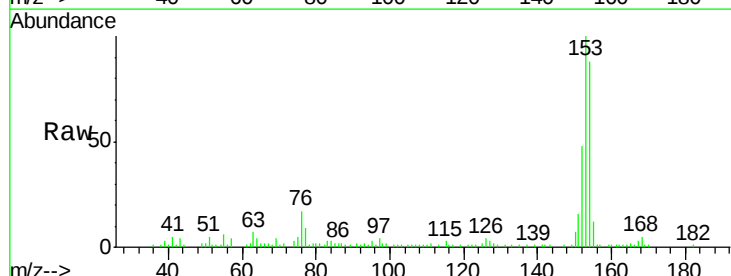
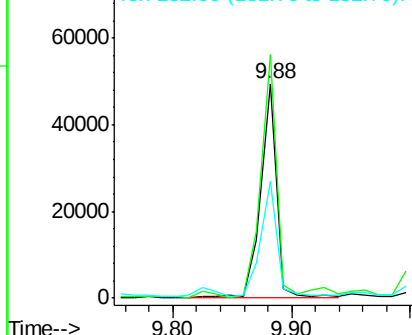
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

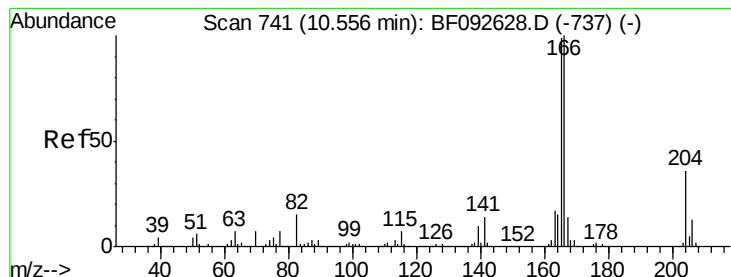


#51
Acenaphthene
Concen: 4.24 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Tgt Ion:154 Resp: 47308
Ion Ratio Lower Upper
154 100
153 113.7 88.6 133.0
152 54.5 41.6 62.4

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





#57

Fluorene

Concen: 5.54 ng m

RT: 10.40 min Scan# 727

Delta R.T. -0.05 min

Lab File: BF093267.D

Acq: 1 Mar 2017 2:14

Instrument :

BNA_F

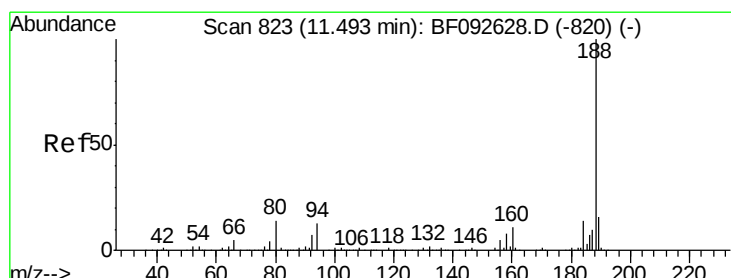
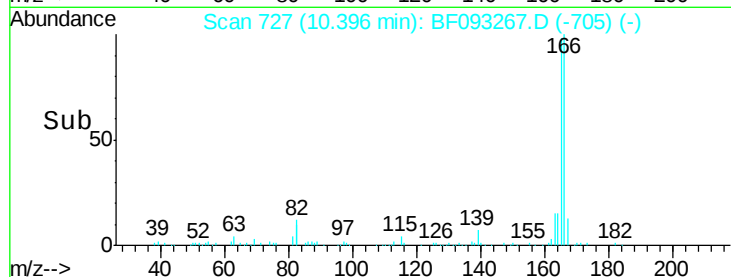
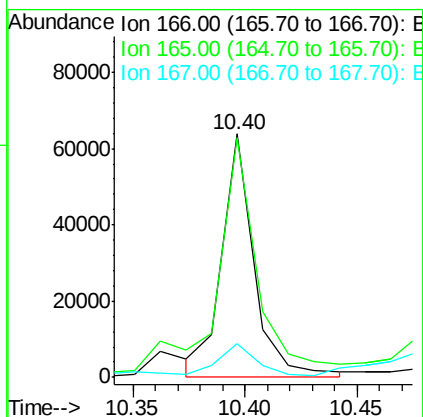
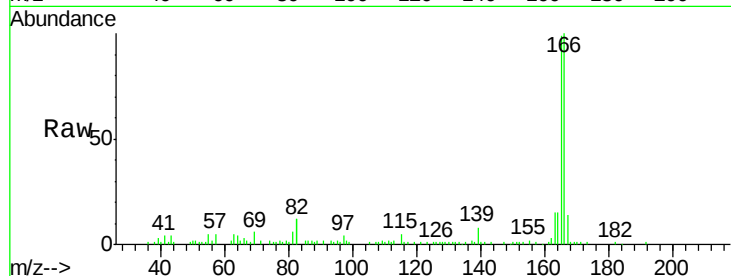
ClientSampleId :

E2-W7-BASEDL

Tgt Ion:	166	Resp:	63631
Ion Ratio	Lower	Upper	
166	100		
165	98.6	77.8	116.8
167	13.8	10.8	16.2

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

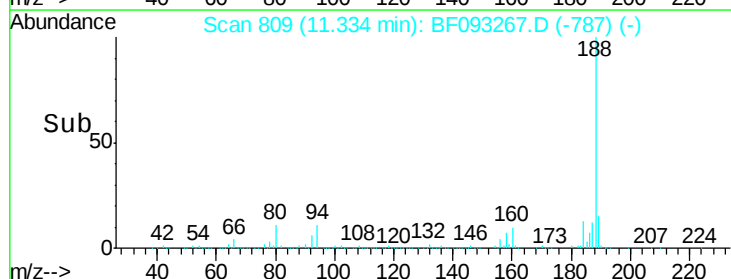
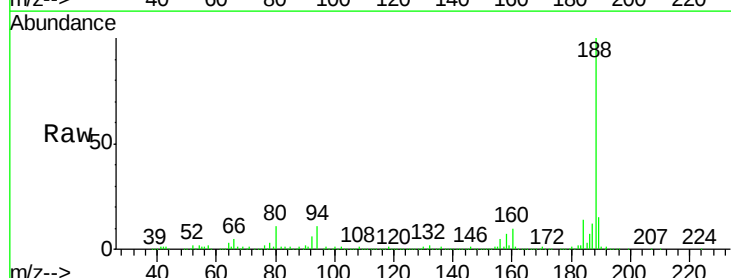
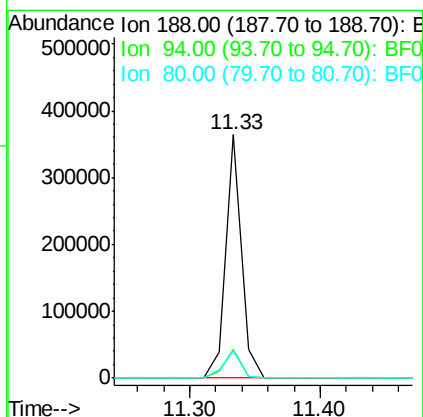
RT: 11.33 min Scan# 809

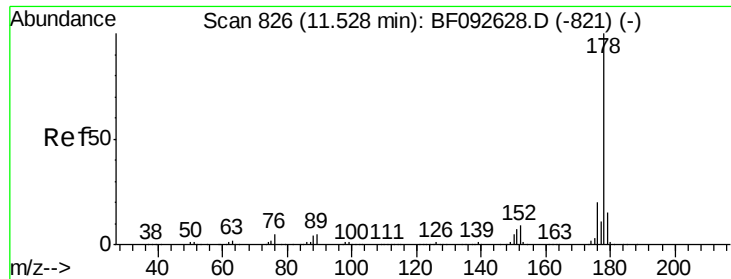
Delta R.T. -0.05 min

Lab File: BF093267.D

Acq: 1 Mar 2017 2:14

Tgt Ion:	188	Resp:	309759
Ion Ratio	Lower	Upper	
188	100		
94	11.5	10.0	15.0
80	11.2	11.2	16.8#





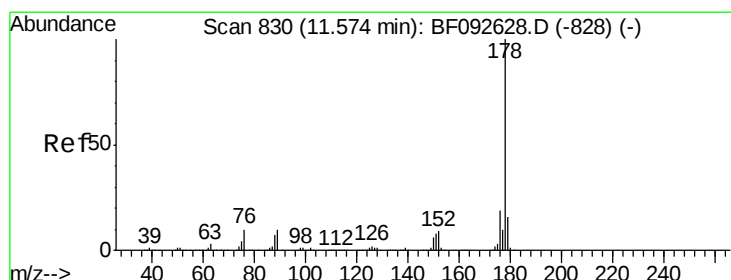
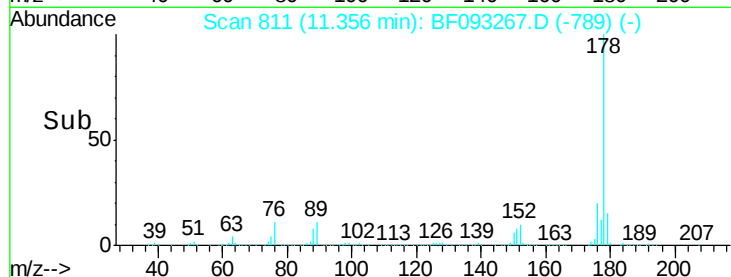
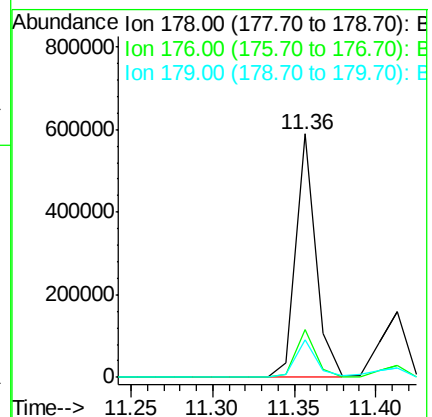
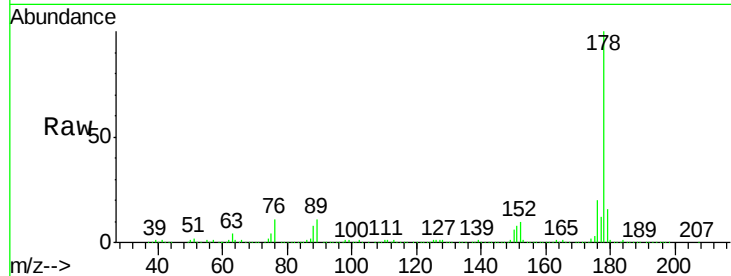
#70
Phenanthrene
Concen: 28.39 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Instrument :
BNA_F
ClientSampleId :
E2-W7-BASEDL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.6	25.0
179	15.6	12.8	19.2

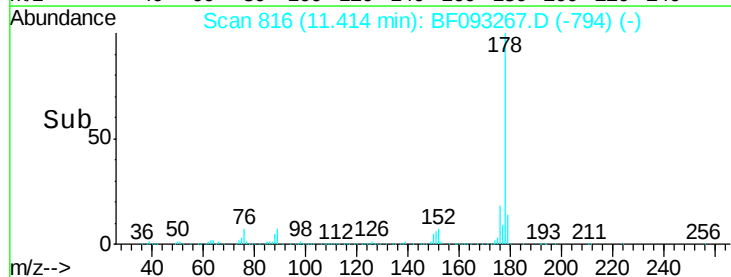
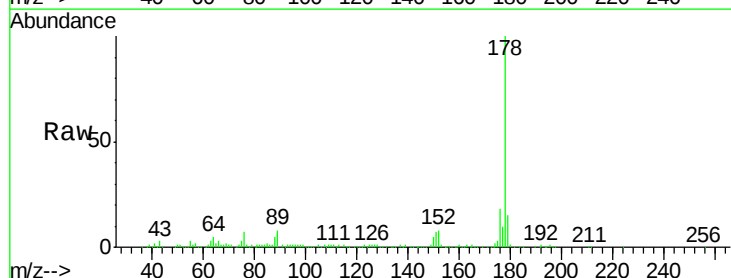
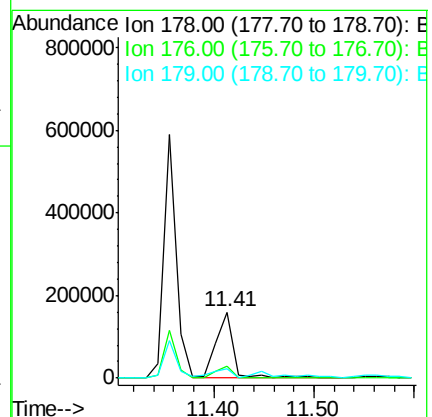
Manual Integrations
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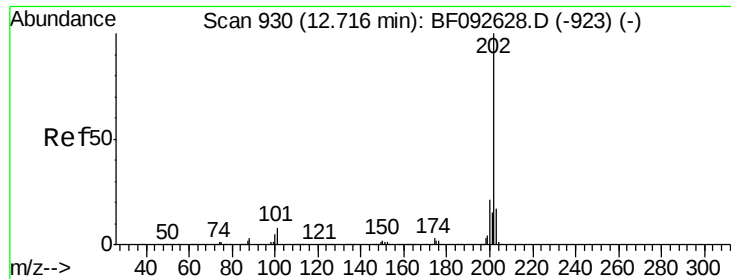
mohammad
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#71
Anthracene
Concen: 10.40 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.9	23.9
179	14.8	13.2	19.8





#74

Fluoranthene

Concen: 32.68 ng

RT: 12.55 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093267.D

Acq: 1 Mar 2017 2:14

Instrument :

BNA_F

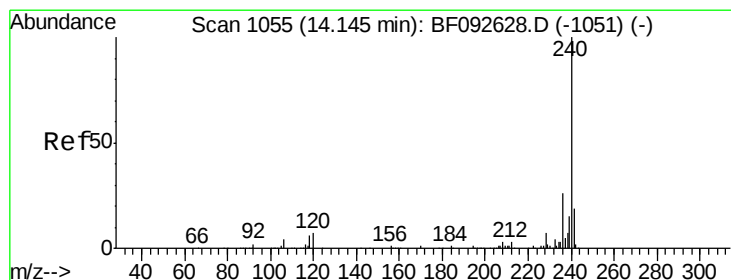
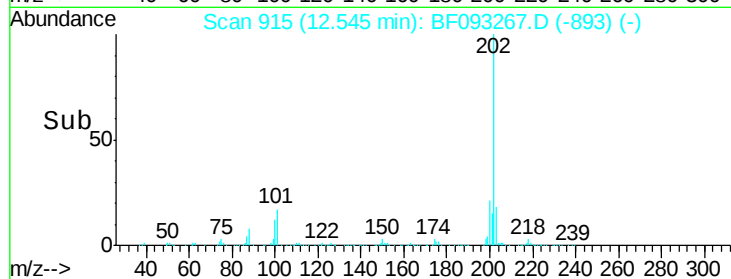
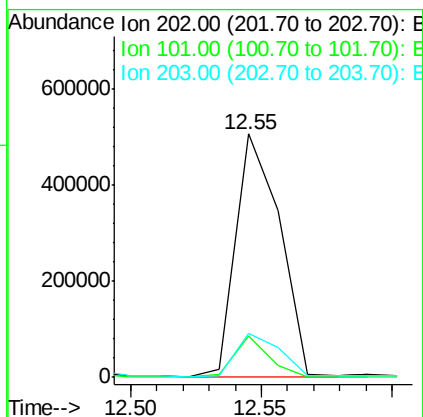
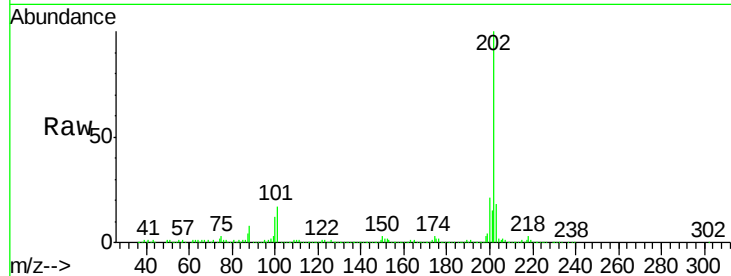
ClientSampleId :

E2-W7-BASEDL

Tgt Ion:	202	Resp:	598150
Ion Ratio		Lower	Upper
202	100		
101	17.1	0.0	34.6
203	18.1	0.0	38.7

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

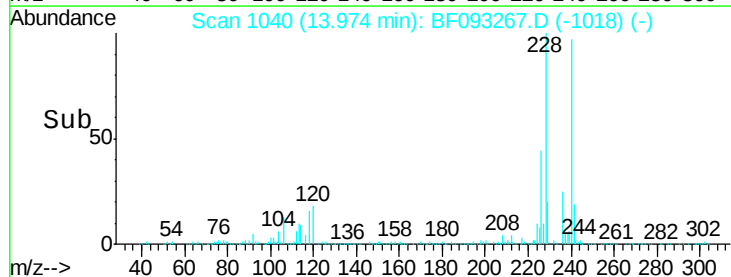
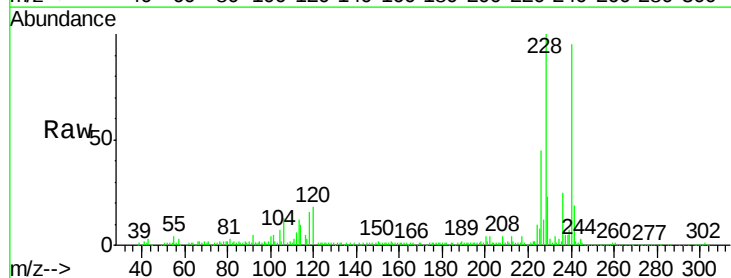
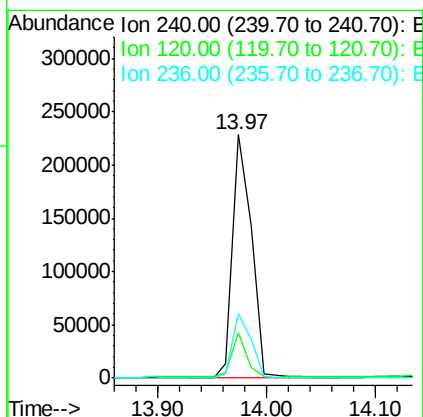
RT: 13.97 min Scan# 1040

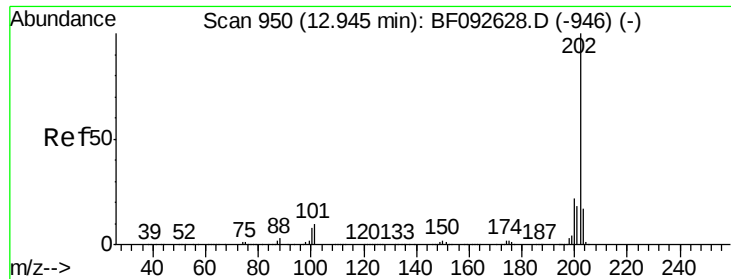
Delta R.T. -0.05 min

Lab File: BF093267.D

Acq: 1 Mar 2017 2:14

Tgt Ion:	240	Resp:	268744
Ion Ratio		Lower	Upper
240	100		
120	18.6	12.9	19.3
236	26.7	20.9	31.3





#77

Pyrene

Concen: 43.64 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093267.D

Acq: 1 Mar 2017 2:14

Instrument :

BNA_F

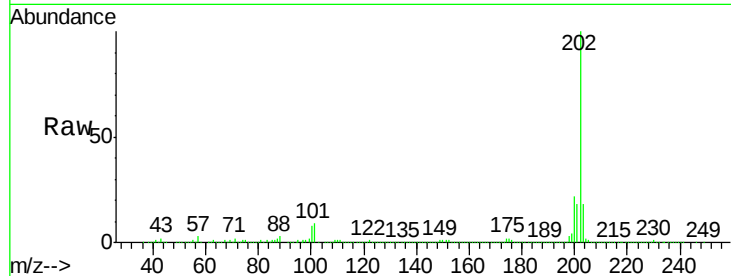
ClientSampleId :

E2-W7-BASEDL

Tgt Ion:	202	Resp:	877768
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.7	26.5
203	17.9	14.7	22.1

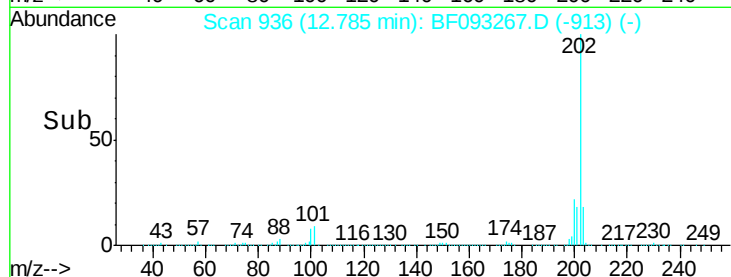
Manual Integrations
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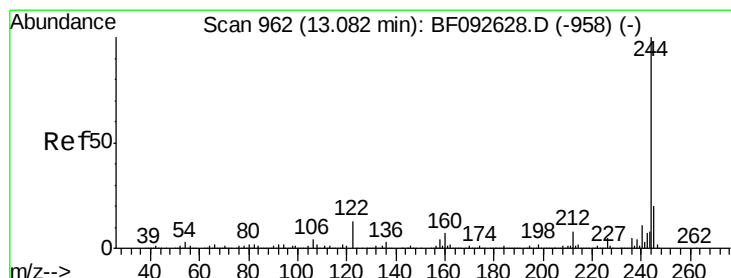


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

12.79



Time--> 12.70 12.80



#78

Terphenyl-d14

Concen: 14.51 ng

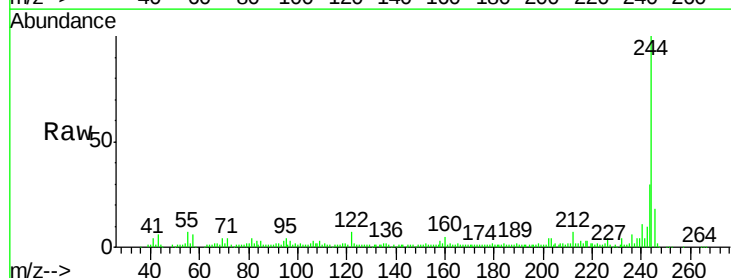
RT: 12.92 min Scan# 948

Delta R.T. -0.05 min

Lab File: BF093267.D

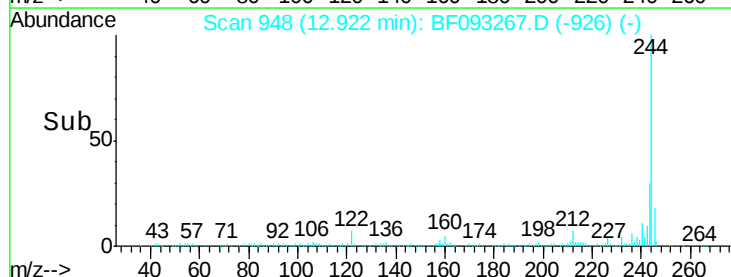
Acq: 1 Mar 2017 2:14

Tgt Ion:	244	Resp:	165933
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.2	9.2
122	7.5	11.4	17.2#

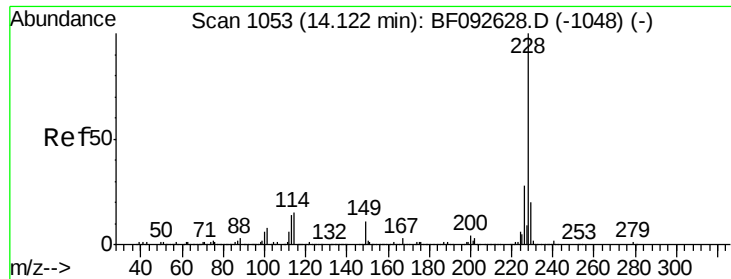


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E

12.92



Time--> 12.80 12.90 13.00



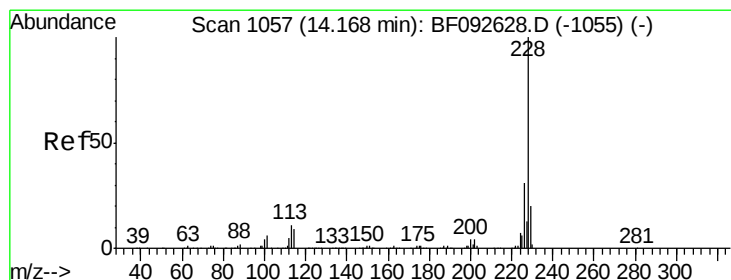
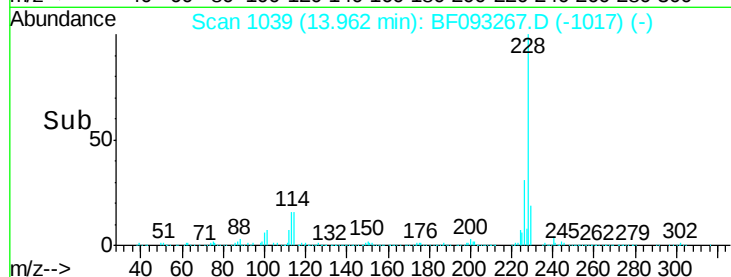
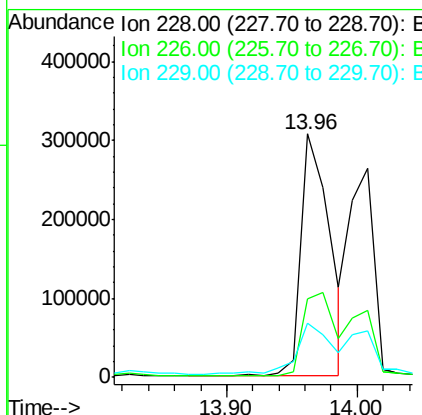
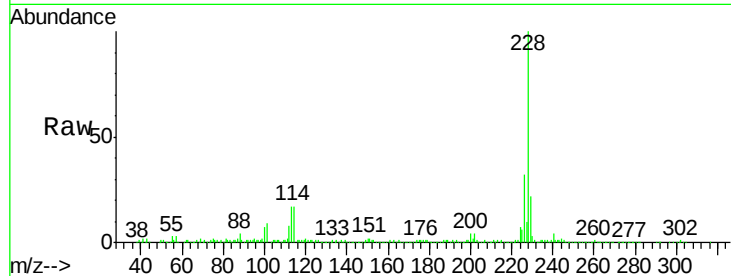
#80
Benzo(a)anthracene
Concen: 28.63 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Instrument :
BNA_F
ClientSampleId :
E2-W7-BASEDL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.4	33.6
229	22.0	16.2	24.4

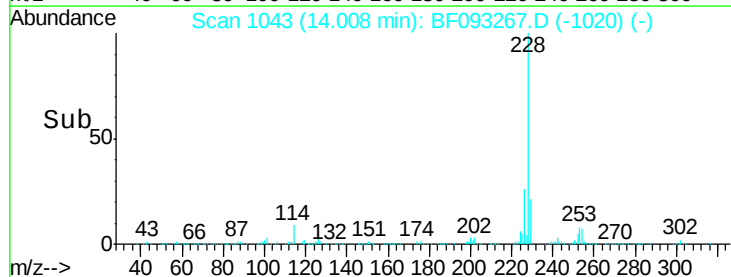
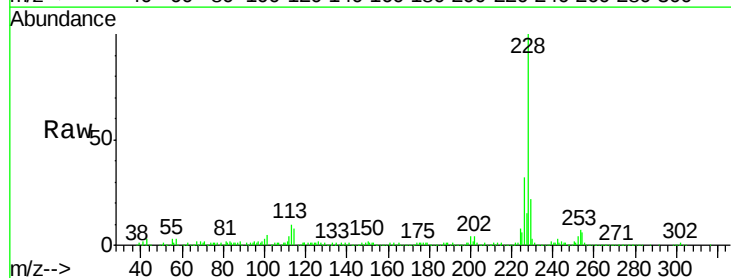
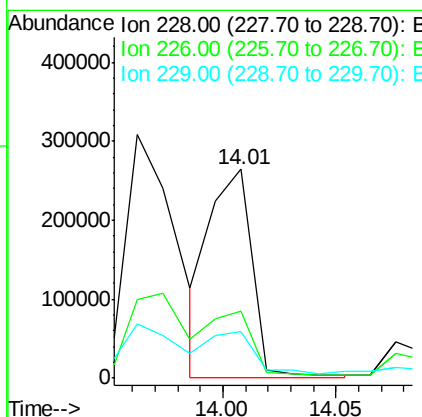
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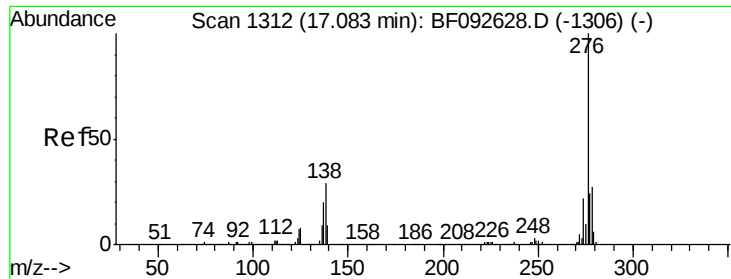
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#82
Chrysene
Concen: 22.82 ng m
RT: 14.01 min Scan# 1043
Delta R.T. -0.03 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.4	38.0
229	22.3	16.2	24.2





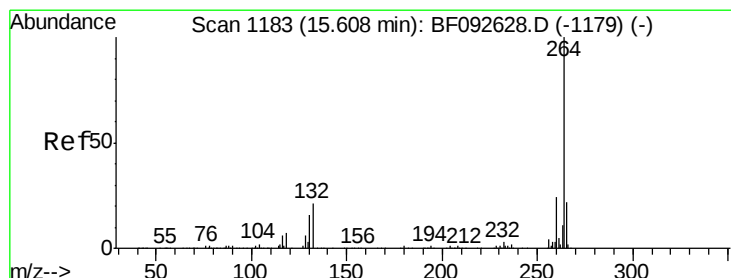
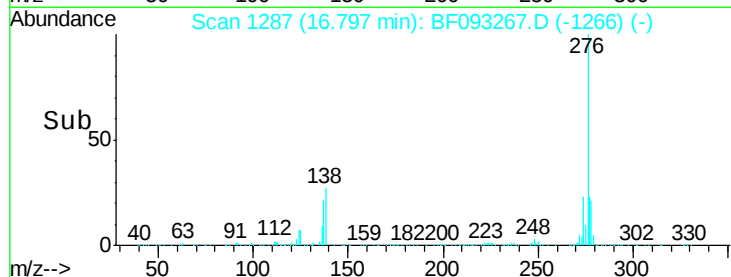
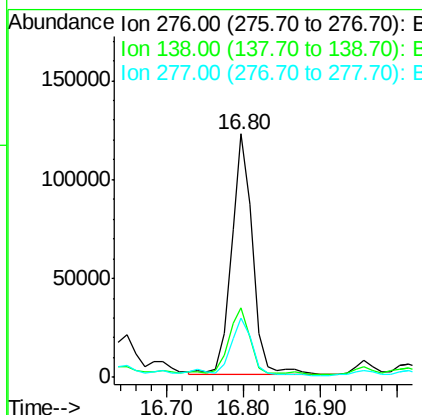
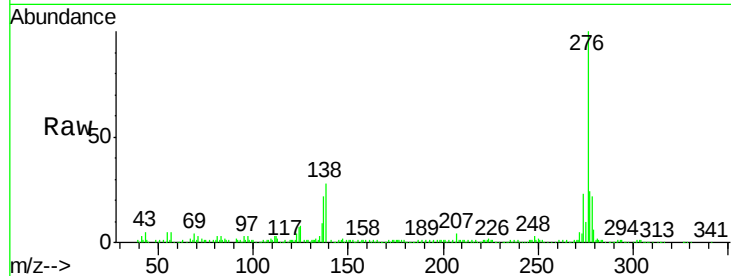
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 19.69 ng
 RT: 16.80 min Scan# 1287
 Delta R.T. -0.06 min
 Lab File: BF093267.D
 Acq: 1 Mar 2017 2:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-W7-BASEDL

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	234735		
138	29.1	21.8	32.6	
277	23.8	20.2	30.4	

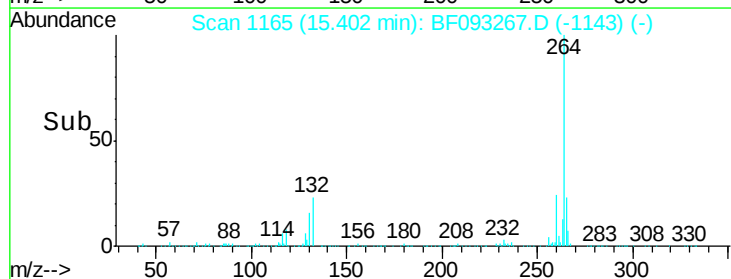
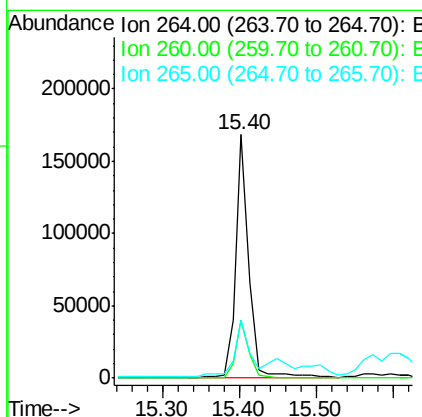
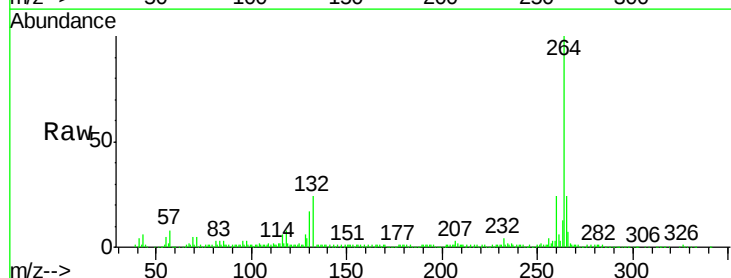
Manual Integrations
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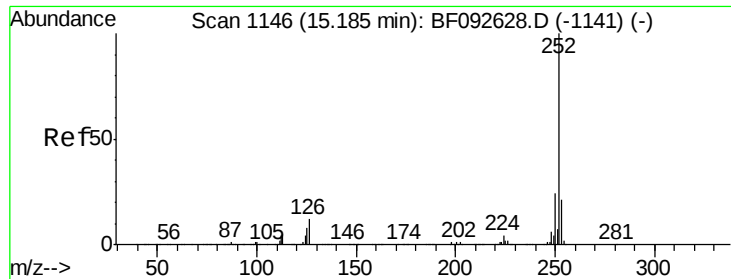
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: BF093267.D
 Acq: 1 Mar 2017 2:14

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	202918		
260	24.1	19.2	28.8	
265	23.7	17.4	26.0	





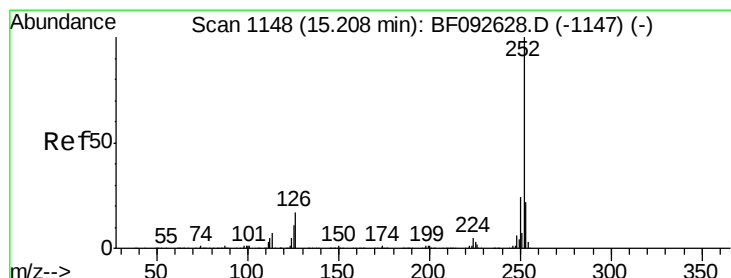
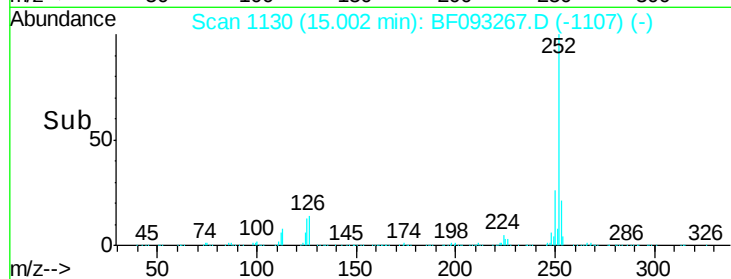
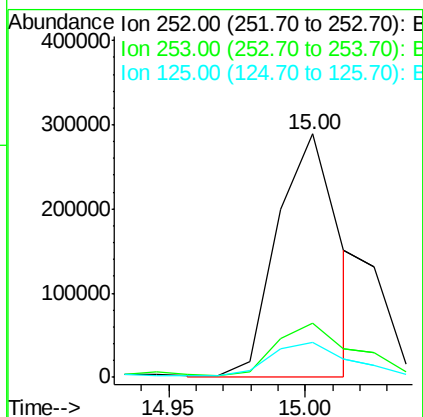
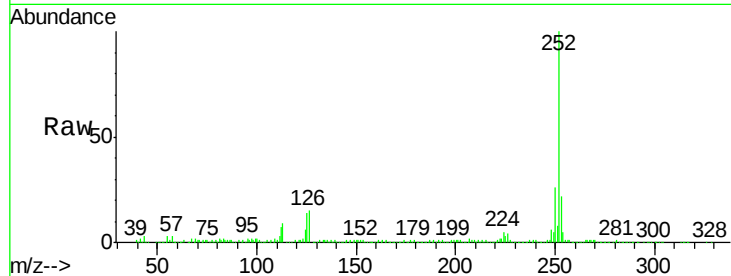
#87
Benzo(b)fluoranthene
Concen: 33.96 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Instrument :
BNA_F
ClientSampleId :
E2-W7-BASEDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.4
125	14.3	9.8	14.6

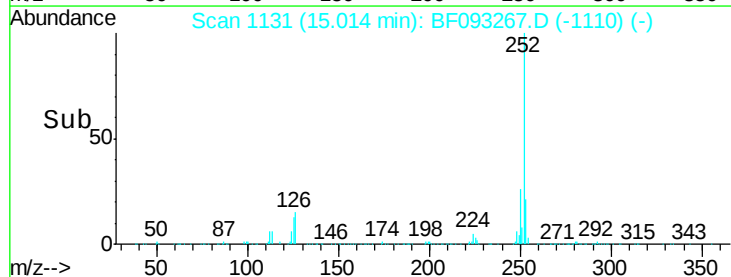
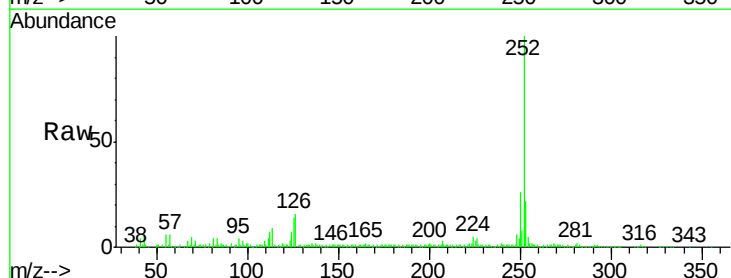
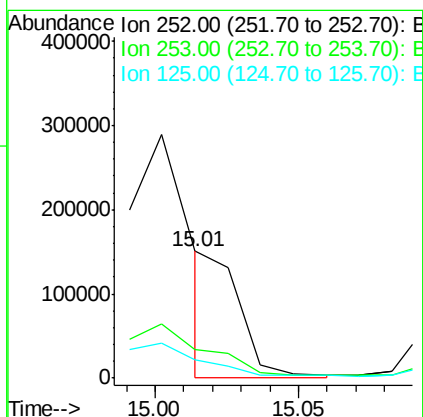
Manual Integrations
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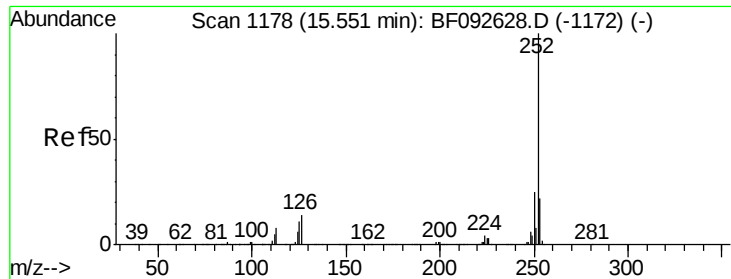
mohammad
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#88
Benzo(k)fluoranthene
Concen: 9.30 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.06 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	14.4	8.9	13.3#





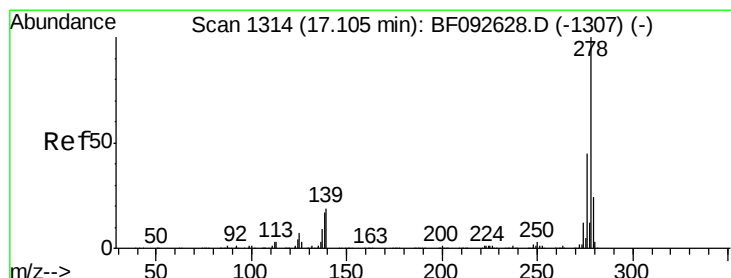
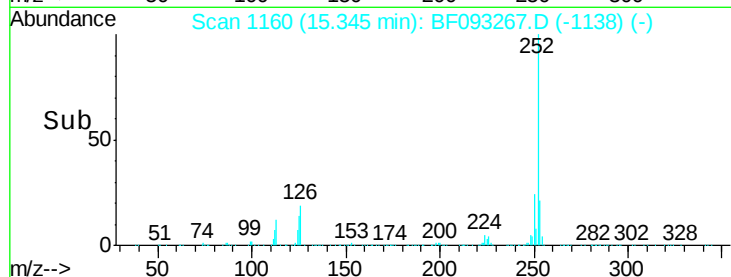
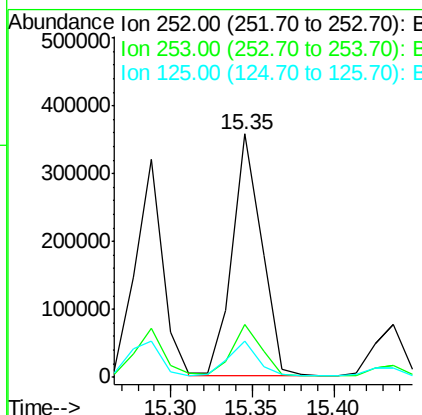
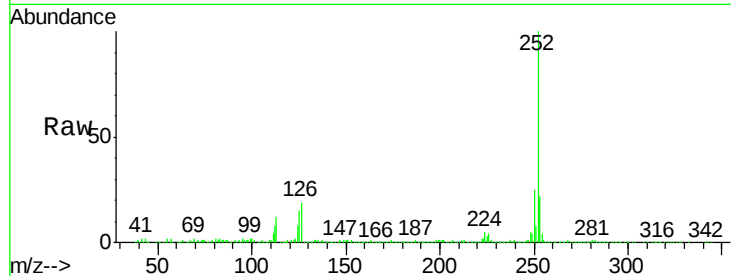
#89
Benzo(a)pyrene
Concen: 38.35 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Instrument :
BNA_F
ClientSampleId :
E2-W7-BASEDL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	15.0	10.0	15.0

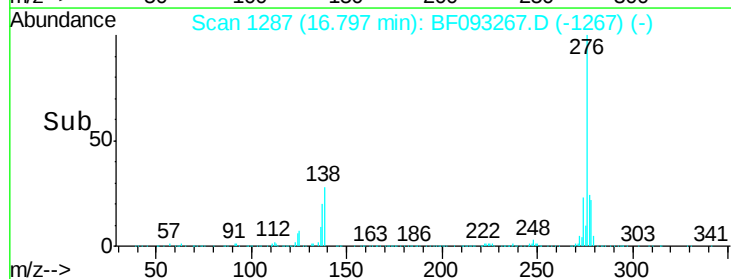
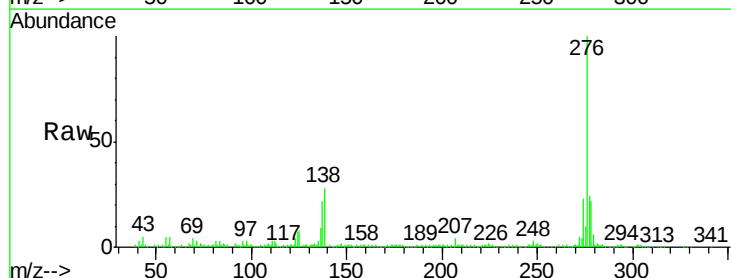
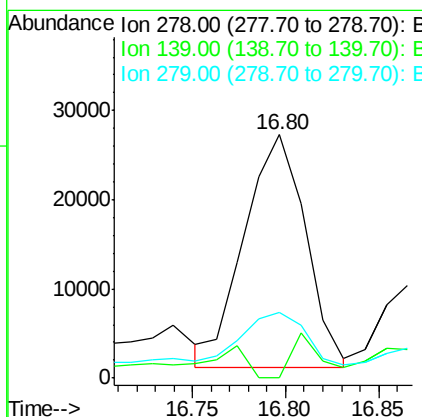
Manual Integrations
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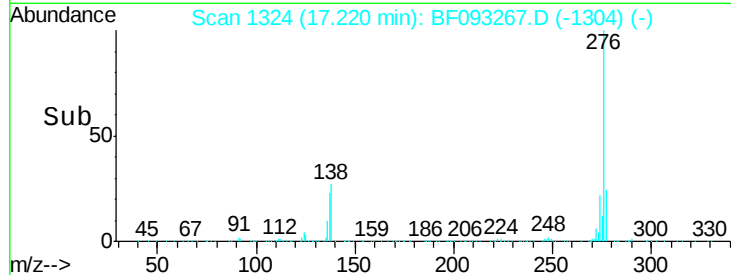
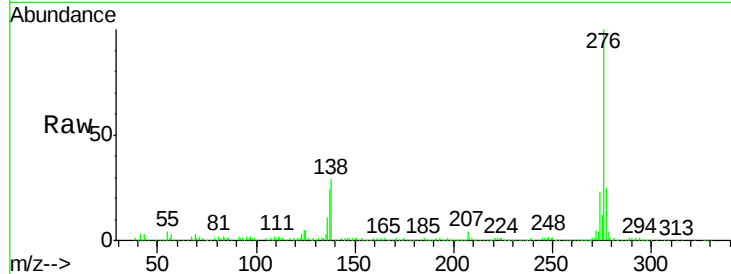
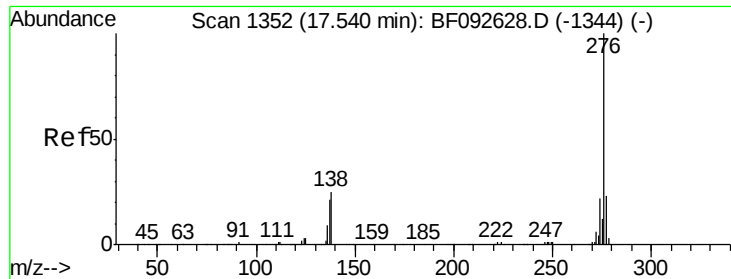
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 6.40 ng m
RT: 16.80 min Scan# 1287
Delta R.T. -0.07 min
Lab File: BF093267.D
Acq: 1 Mar 2017 2:14

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	27.0	19.8	29.6





#91
 Benzo(g,h,i)perylene
 Concen: 33.74 ng
 RT: 17.22 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: BF093267.D
 Acq: 1 Mar 2017 2:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-W7-BASEDL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	29.0	16.0	24.0

Manual Integrations
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