

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095152.D
 Acq On : 16 May 2017 10:55
 Operator : SJ/MA
 Sample : I3140-15DL 20X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-6DL

Manual Integrations
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Quant Time: May 16 16:06:01 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	66048	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	285288	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	141195	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	235016	20.00	ng	0.05
75) Chrysene-d12	18.70	240	156369	20.00	ng	0.05
86) Perylene-d12	20.38	264	128587	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.87	112	18045m	4.55	ng	0.19
7) Phenol-d6	7.41	99	24949m	5.25	ng	0.14
23) Nitrobenzene-d5	8.72	82	12051	2.66	ng	0.08
41) 2,4,6-Tribromophenol	13.94	330	4972	4.30	ng	0.06
44) 2-Fluorobiphenyl	11.57	172	40492	4.13	ng	0.04
78) Terphenyl-d14	17.35	244	25754	3.63	ng	0.04
Target Compounds						
51) Acenaphthene	12.68	154	54769	6.10	ng	Qvalue 96
54) Dibenzofuran	12.98	168	50713	4.08	ng	# 97
57) Fluorene	13.52	166	86532	8.01	ng	98
70) Phenanthrene	15.07	178	766586	56.77	ng	98
71) Anthracene	15.15	178	236942	17.18	ng	96
72) Carbazole	15.44	167	53895	4.29	ng	96
74) Fluoranthene	16.81	202	803548	58.01	ng	98
77) Pyrene	17.11	202	626521	53.57	ng	96
80) Benzo(a)anthracene	18.69	228	228442	25.10	ng	98
82) Chrysene	18.73	228	199164	22.63	ng	98
83) Bis(2-ethylhexyl)phthalate	18.75	149	25304	3.26	ng	97
85) Indeno(1,2,3-cd)pyrene	21.71	276	80234	11.23	ng	93
87) Benzo(b)fluoranthene	19.97	252	197064m	24.80	ng	
88) Benzo(k)fluoranthene	19.99	252	82195m	10.72	ng	
89) Benzo(a)pyrene	20.32	252	152146	20.75	ng	96
90) Dibenzo(a,h)anthracene	21.72	278	17168m	2.84	ng	
91) Benzo(a,h,i)perylene	22.10	276	80417	13.53	ng	98

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

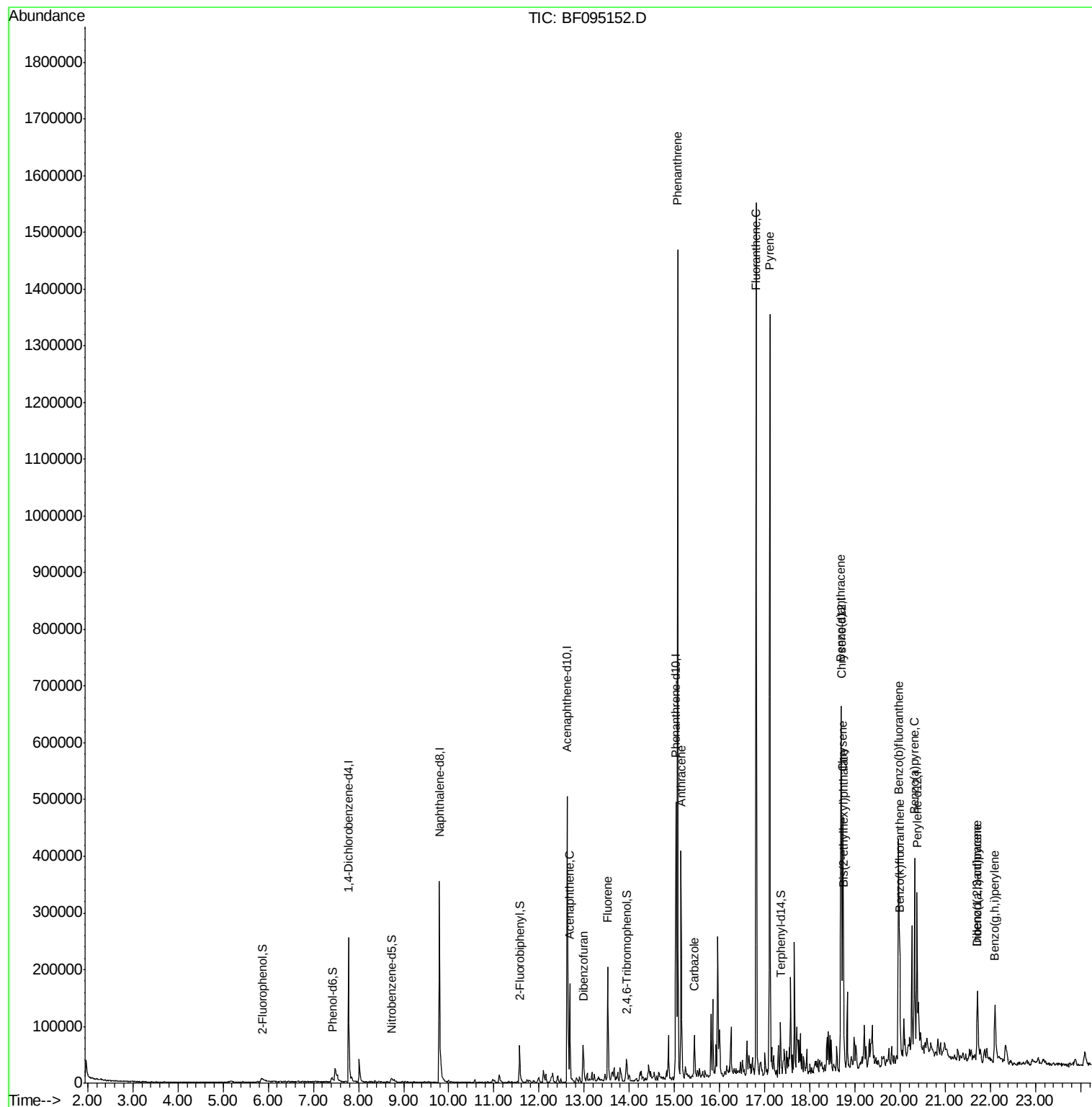
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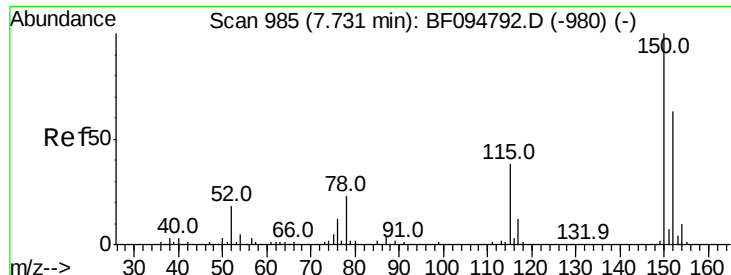
Instrument :
BNA_F
ClientSampleId :
TP-25-6DL

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

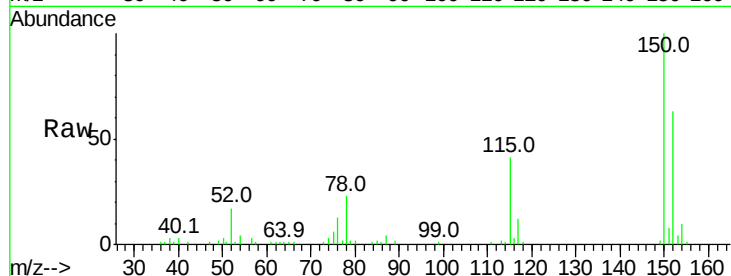
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :
TP-25-6DL

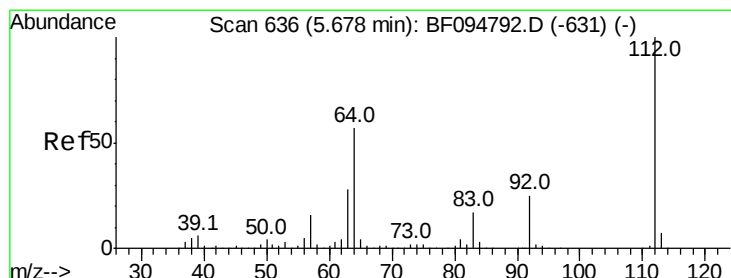
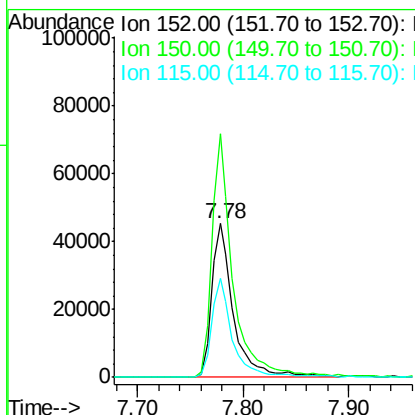
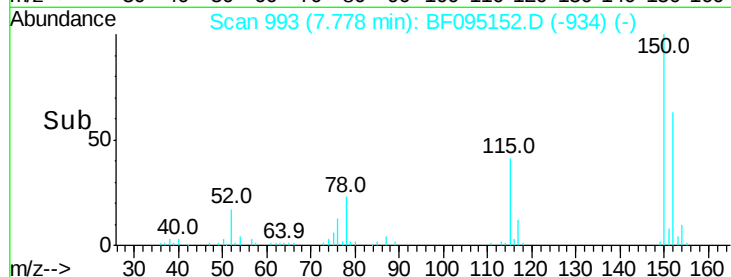
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	64.4	52.2	78.2

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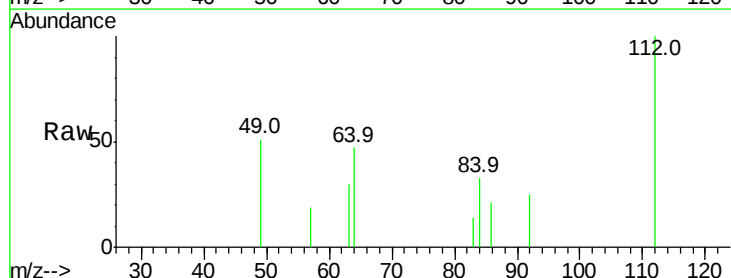
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Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



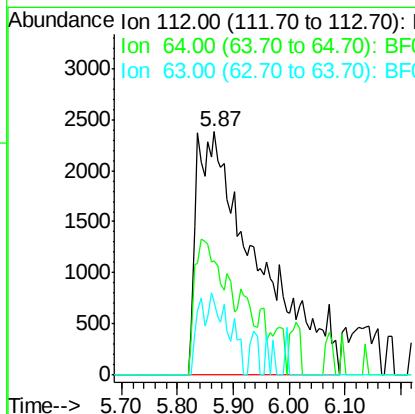
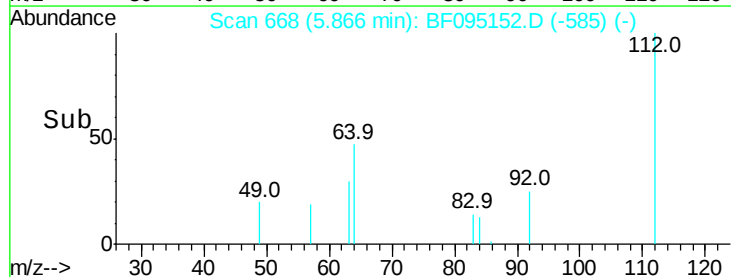
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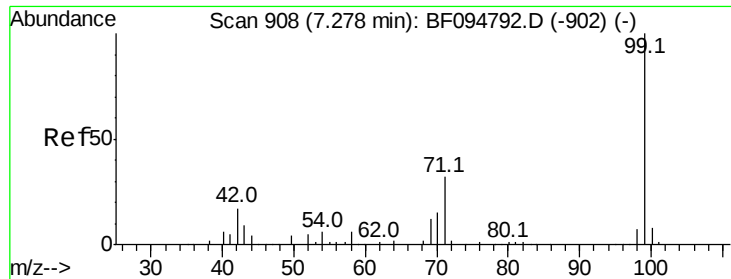
2-Fluorophenol
Concen: 4.55 ng m
RT: 5.87 min Scan# 668
Delta R.T. 0.19 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.9	46.0	69.0
63	30.0	23.4	35.0



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

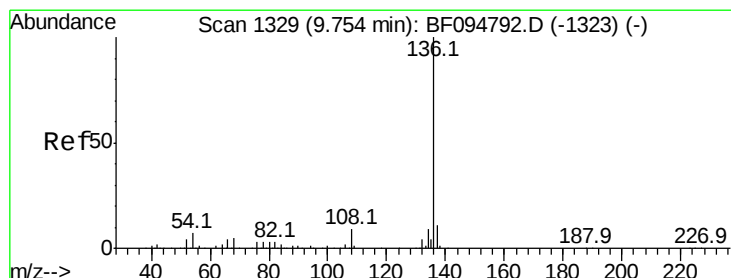
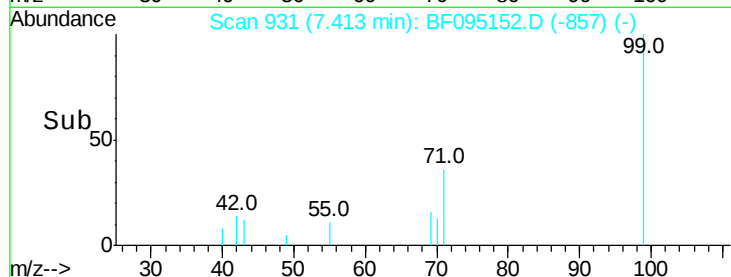
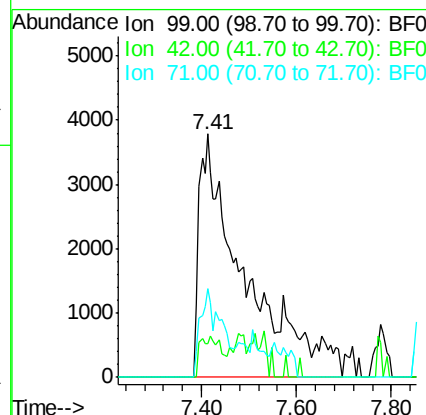
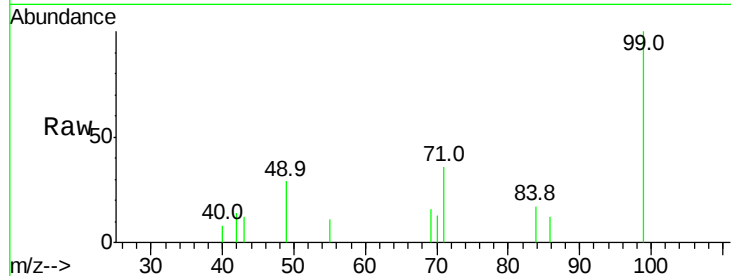
Concen: 5.25 ng m
RT: 7.41 min Scan# 931
Delta R.T. 0.14 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampled :
TP-25-6DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		24949		
42	13.8	13.5	20.3		
71	36.4	24.5	36.7		

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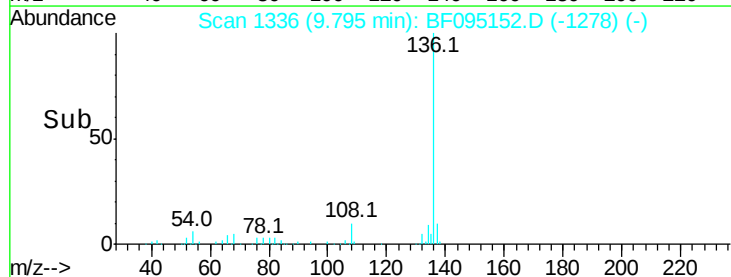
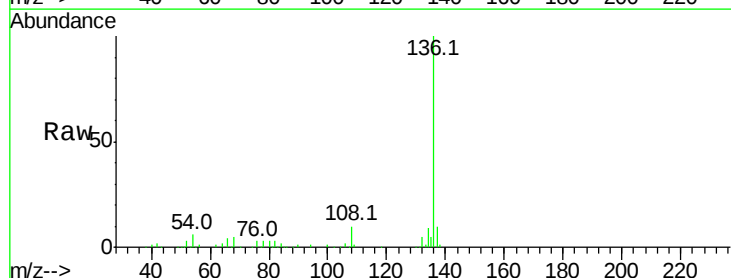
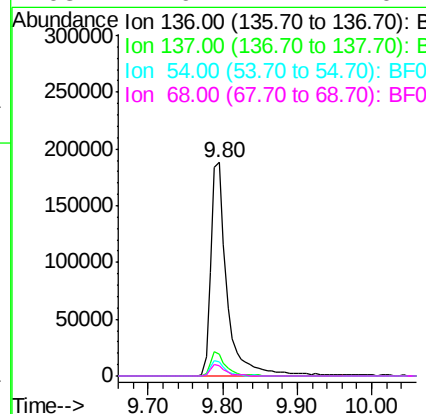


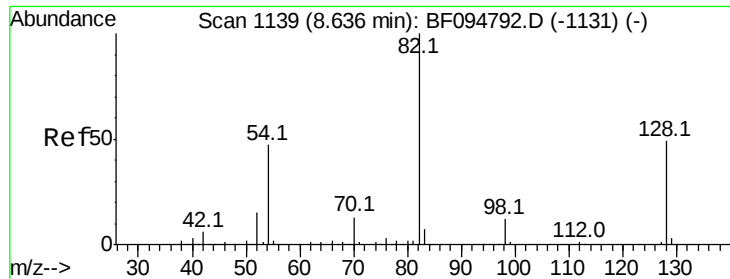
#21

Naphthalene-d8

Concen: 20.00 ng
RT: 9.80 min Scan# 1336
Delta R.T. 0.04 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		285288		
137	10.3	8.5	12.7		
54	6.4	4.9	7.3		
68	4.9	4.1	6.1		





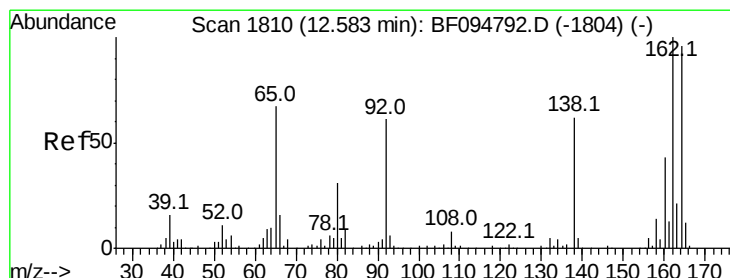
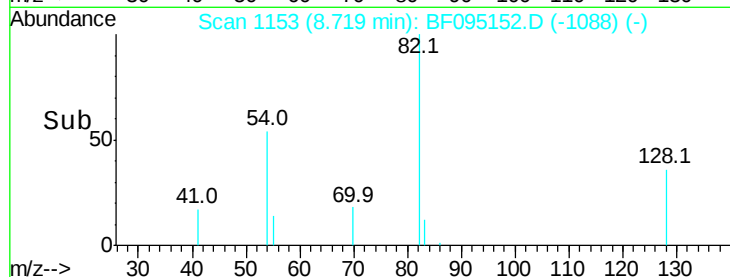
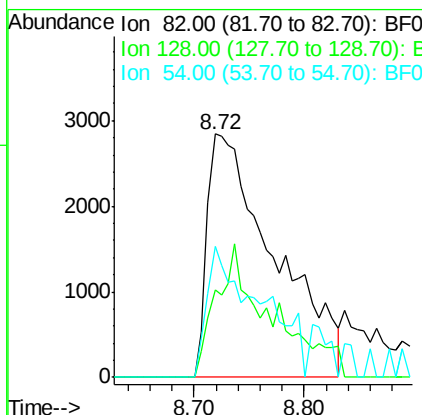
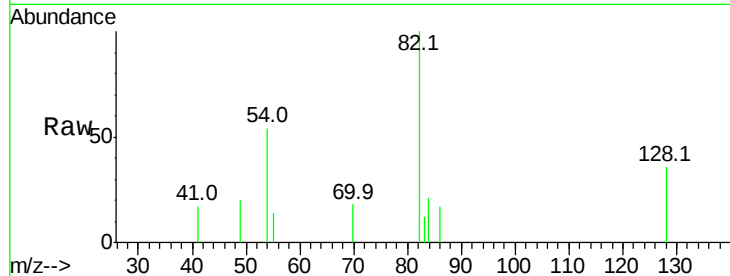
#23
 Nitrobenzene-d5
 Concen: 2.66 ng
 RT: 8.72 min Scan# 1153
 Delta R.T. 0.08 min
 Lab File: BF095152.D
 Acq: 16 May 2017 10:55

Instrument :
 BNA_F
 ClientSampleID :
 TP-25-6DL

Tot Ion	82	Resp	12051
Ion Ratio	Lower	Upper	
82	100		
128	36.0	34.0	51.0
54	53.9	42.2	63.2

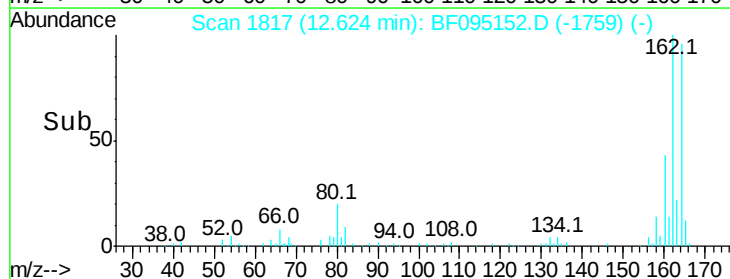
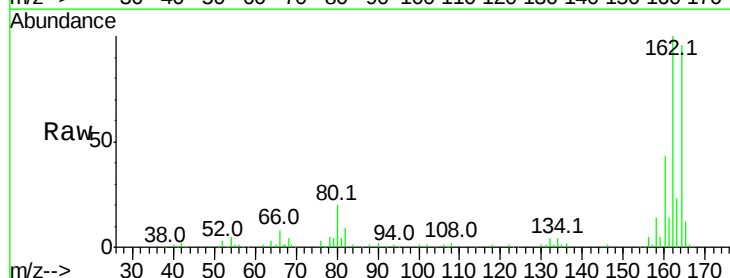
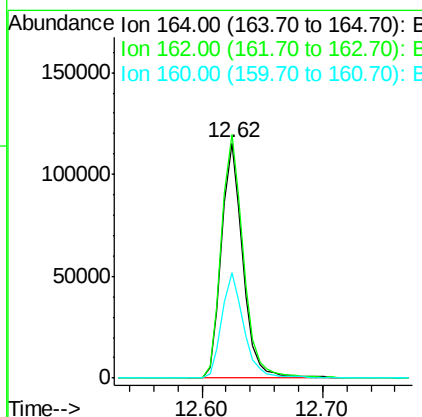
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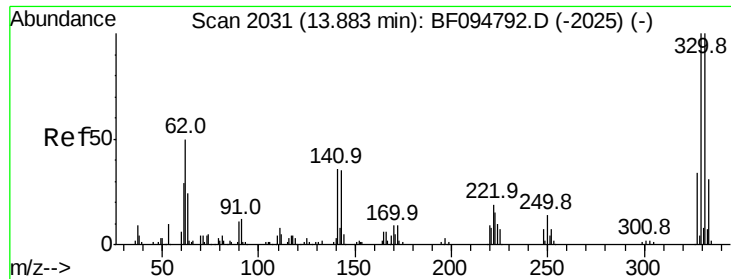
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095152.D
 Acq: 16 May 2017 10:55

Tgt Ion	164	Resp	141195
Ion Ratio	Lower	Upper	
164	100		
162	103.6	82.6	123.8
160	44.8	36.2	54.2





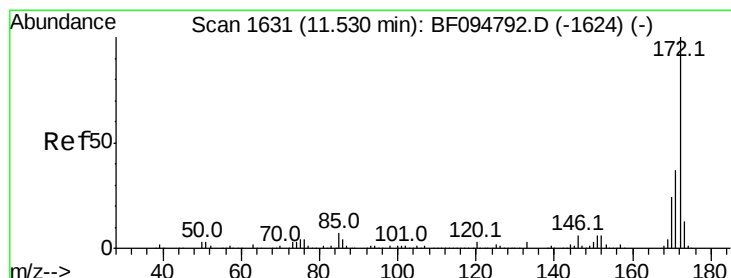
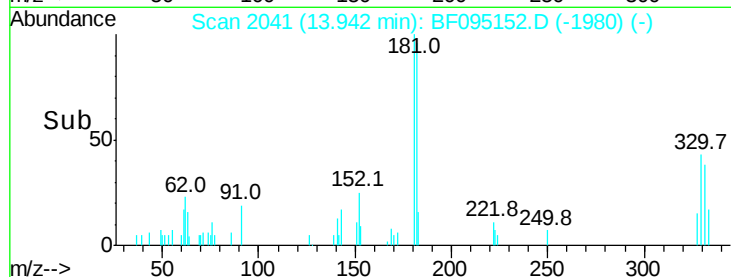
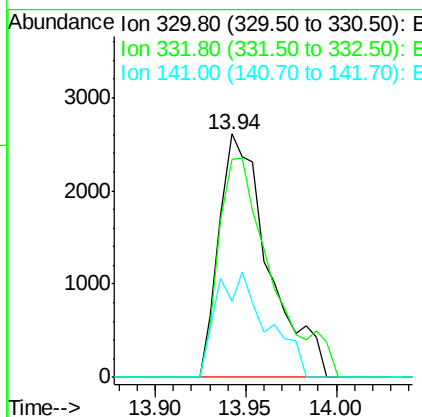
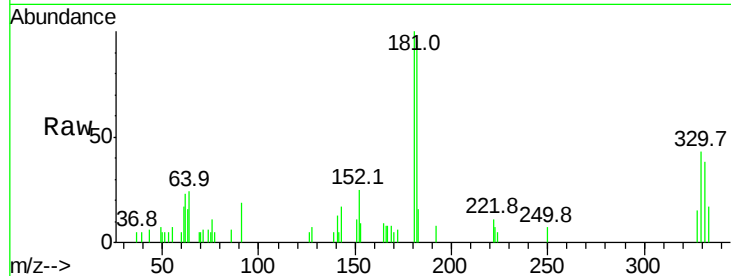
#41
 2,4,6-Tribromophenol
 Concen: 4.30 ng
 RT: 13.94 min Scan# 2041
 Delta R.T. 0.06 min
 Lab File: BF095152.D
 Acq: 16 May 2017 10:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-6DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.6	115.0
141	44.0	31.4	47.2

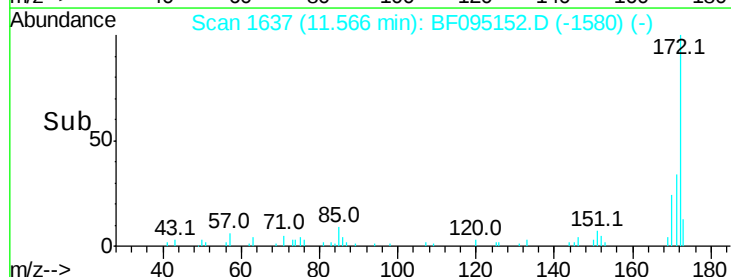
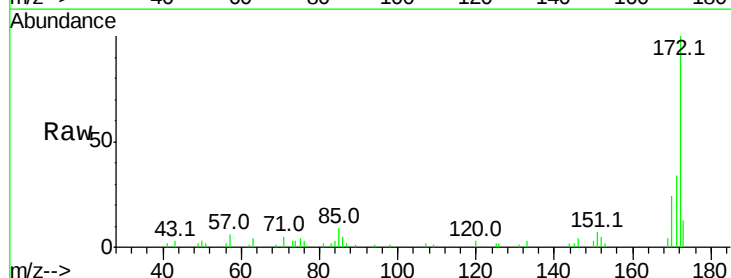
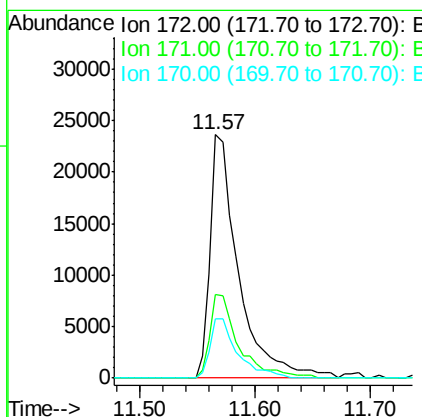
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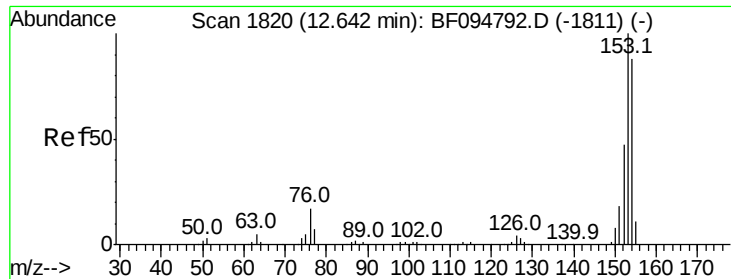
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#44
 2-Fluorobiphenyl
 Concen: 4.13 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.04 min
 Lab File: BF095152.D
 Acq: 16 May 2017 10:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.6	44.4
170	24.1	19.8	29.8





#51

Acenaphthene

Concen: 6.10 ng

RT: 12.68 min Scan# 1826

Delta R.T. 0.04 min

Lab File: BF095152.D

Acq: 16 May 2017 10:55

Instrument :

BNA_F

ClientSampleId :

TP-25-6DL

Tot Ion:154 Resp: 54769

Ion Ratio Lower Upper

154 100

153 109.2 90.5 135.7

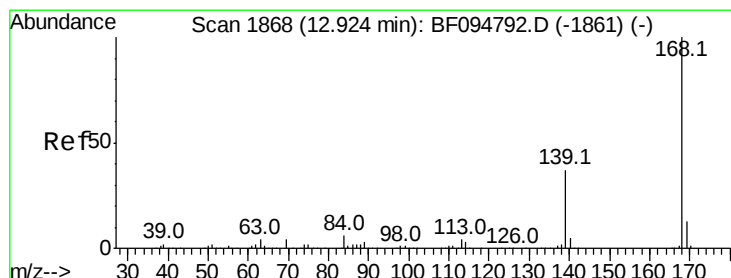
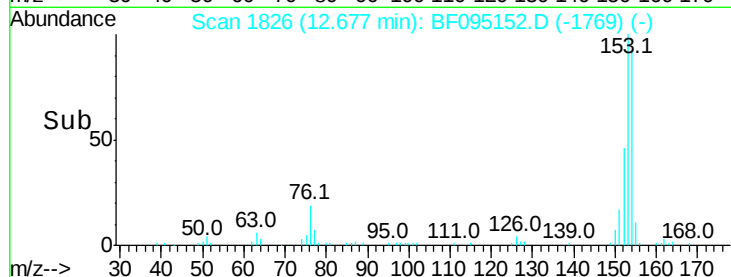
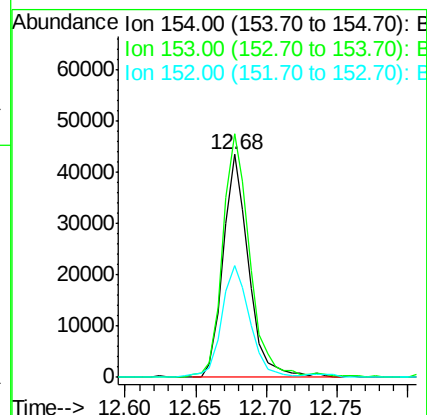
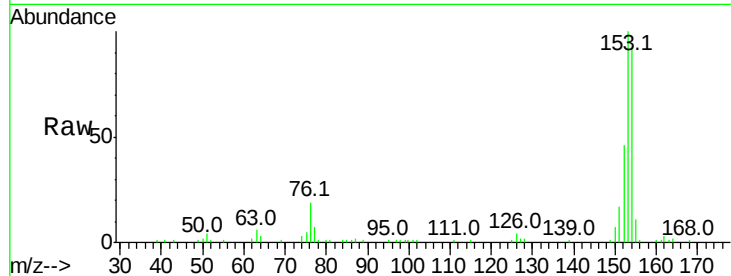
152 50.2 43.6 65.4

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#54

Dibenzofuran

Concen: 4.08 ng

RT: 12.98 min Scan# 1877

Delta R.T. 0.05 min

Lab File: BF095152.D

Acq: 16 May 2017 10:55

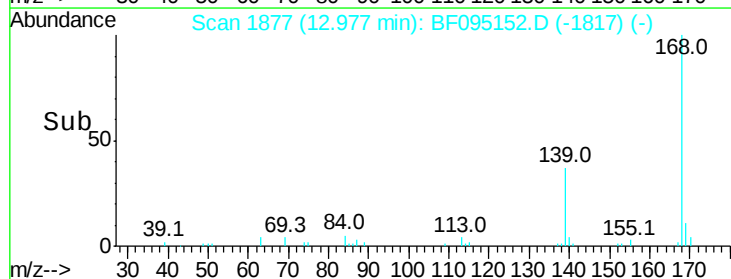
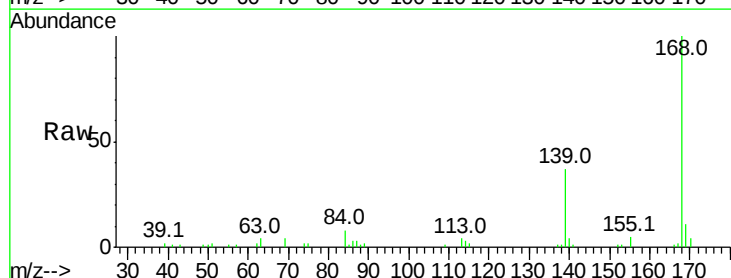
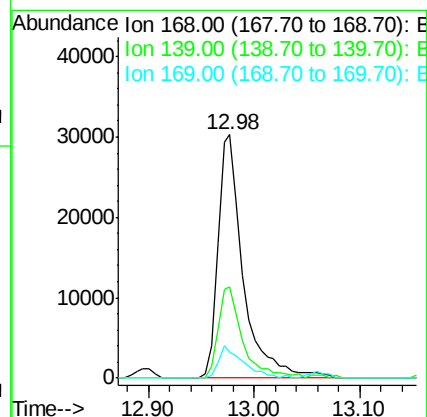
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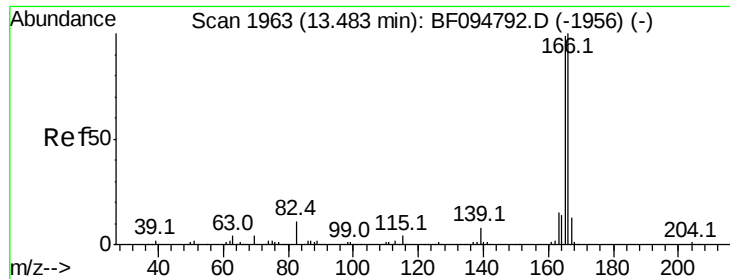
Ion Ratio Lower Upper

168 100

139 37.3 30.6 45.8

169 10.7 10.8 16.2#





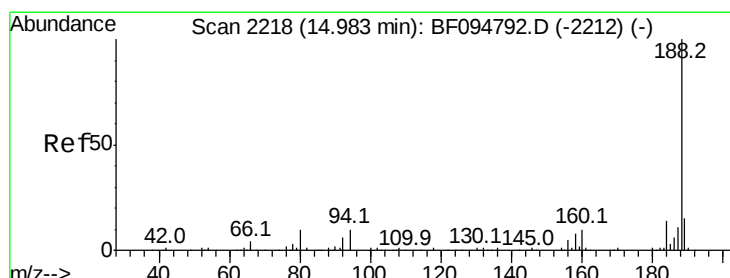
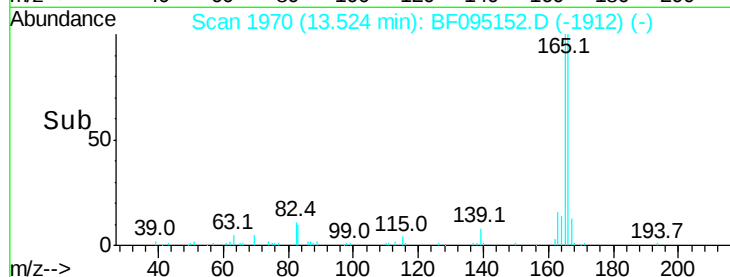
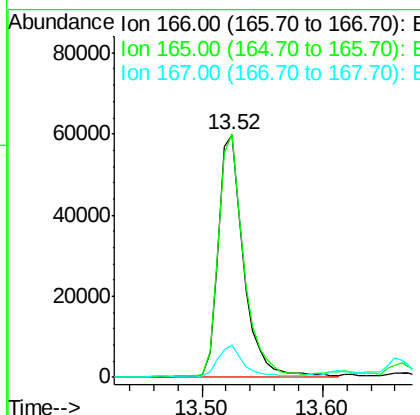
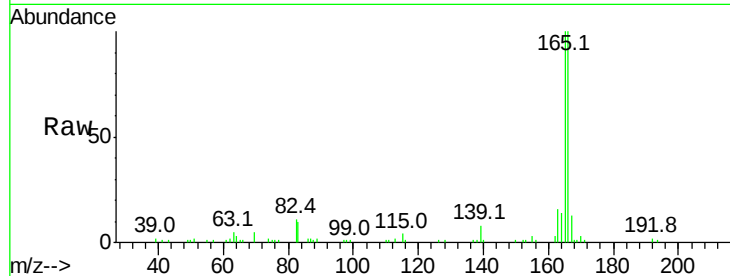
#57
Fluorene
 Concen: 8.01 ng
 RT: 13.52 min Scan# 1970
 Delta R.T. 0.04 min
 Lab File: BF095152.D
 Acq: 16 May 2017 10:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-6DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	78.8	118.2
167	13.5	10.6	16.0

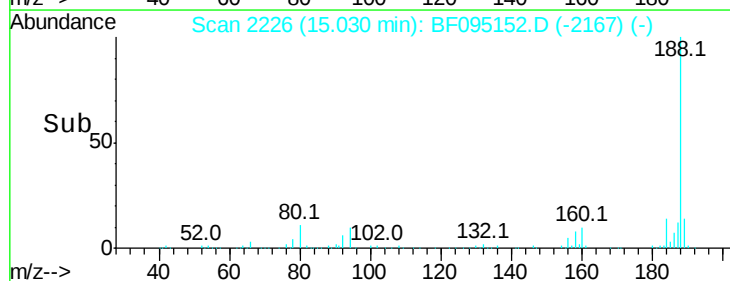
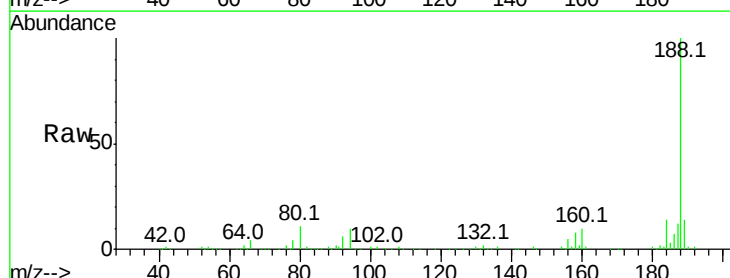
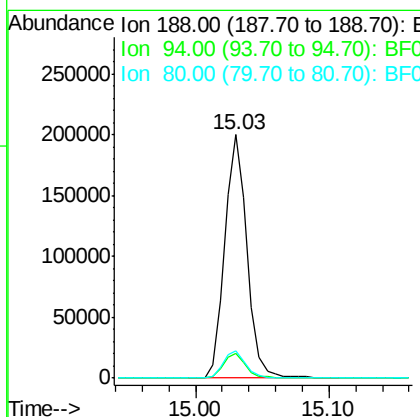
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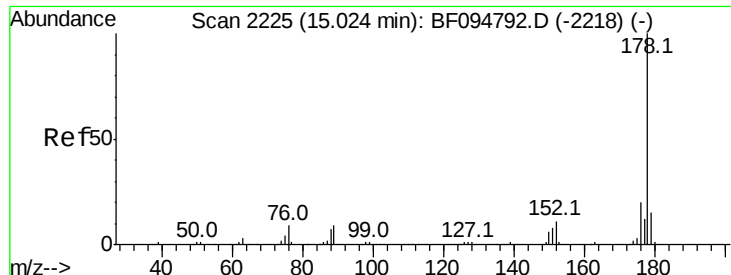
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095152.D
 Acq: 16 May 2017 10:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	9.4	14.2
80	11.2	10.2	15.2





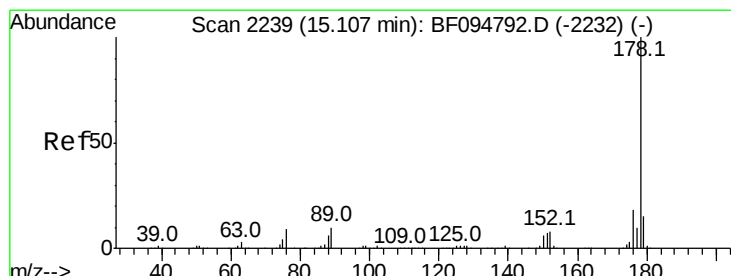
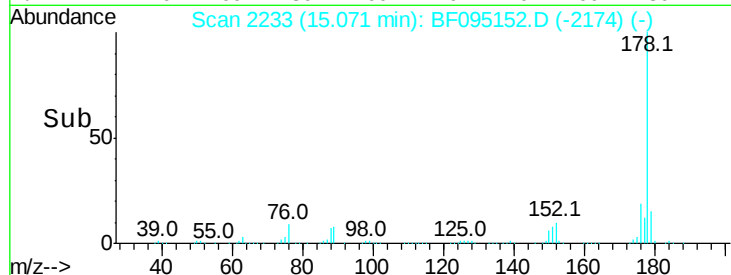
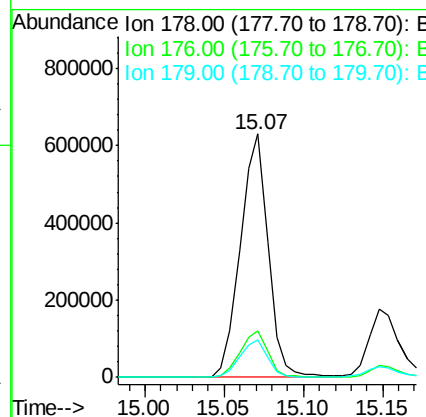
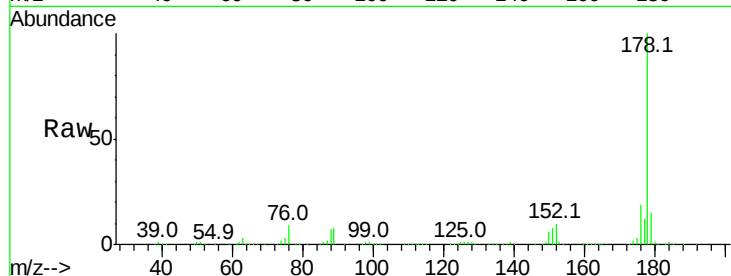
#70
Phenanthrene
Concen: 56.77 ng
RT: 15.07 min Scan# 2233
Delta R.T. 0.05 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :
TP-25-6DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	15.2	12.6	19.0

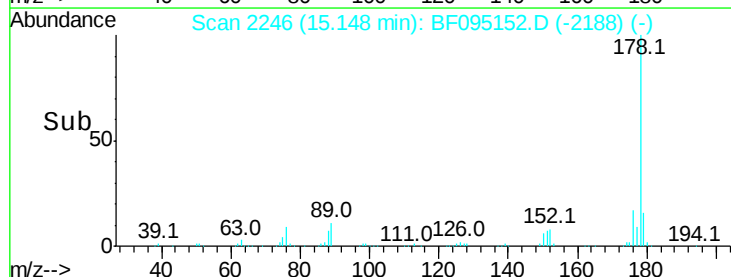
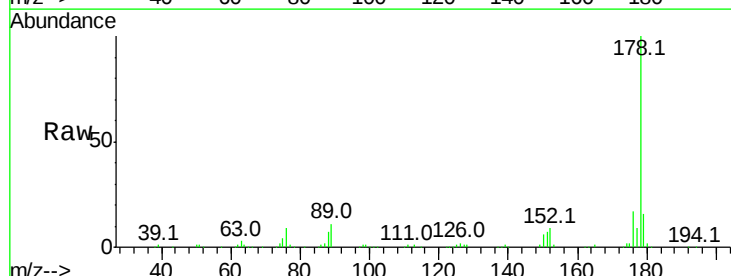
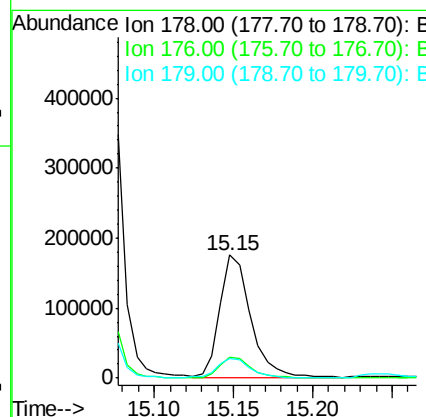
Manual Integrations
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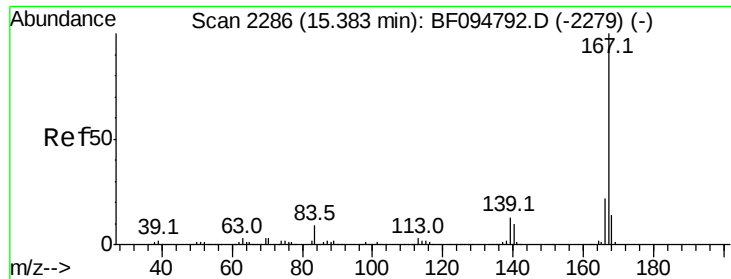
mohammad
5/17/2017 2:21:01 PM



#71
Anthracene
Concen: 17.18 ng
RT: 15.15 min Scan# 2246
Delta R.T. 0.04 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.8	23.8
179	16.3	12.7	19.1





#72

Carbazole

Concen: 4.29 ng

RT: 15.44 min Scan# 2296

Delta R.T. 0.06 min

Lab File: BF095152.D

Acq: 16 May 2017 10:55

Instrument :

BNA_F

ClientSampleId :

TP-25-6DL

Tot Ion:167 Resp: 53895

Ion Ratio Lower Upper

167 100

166 20.1 18.1 27.1

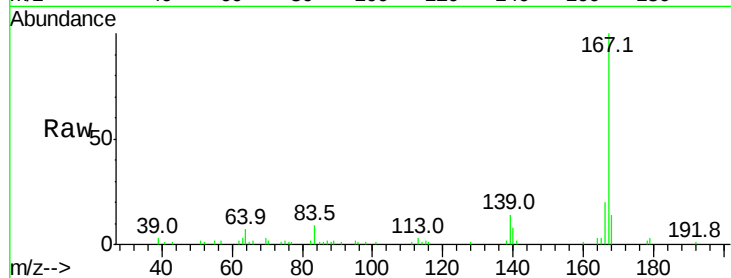
139 13.8 11.7 17.5

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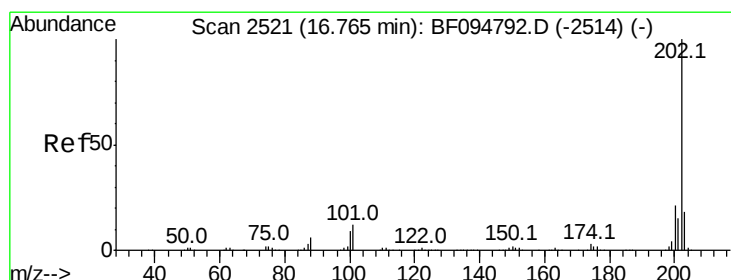
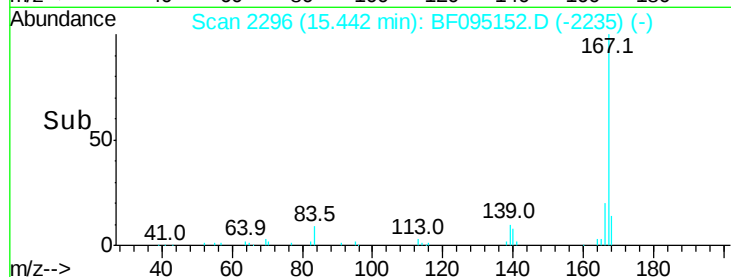
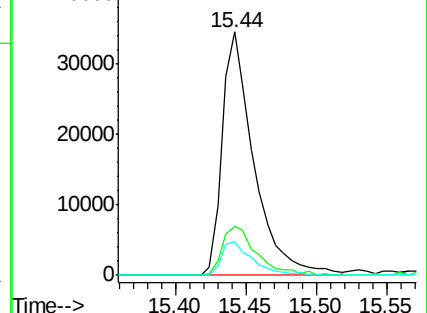
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 58.01 ng

RT: 16.81 min Scan# 2529

Delta R.T. 0.05 min

Lab File: BF095152.D

Acq: 16 May 2017 10:55

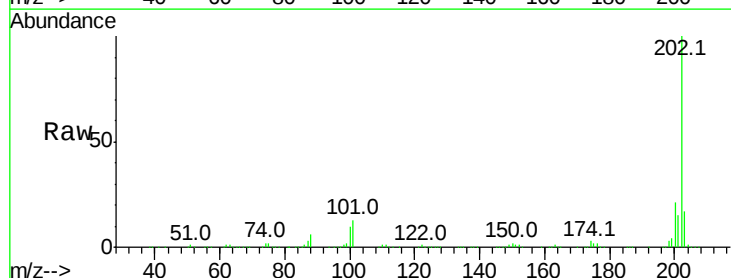
Tgt Ion:202 Resp: 803548

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.2

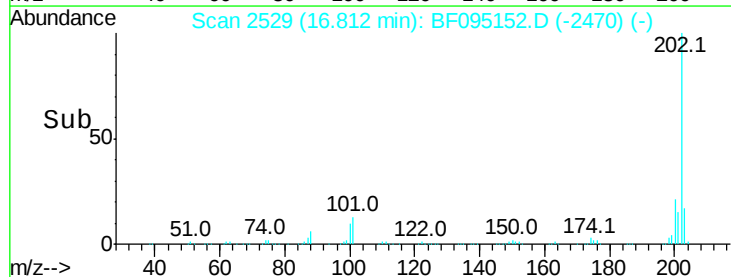
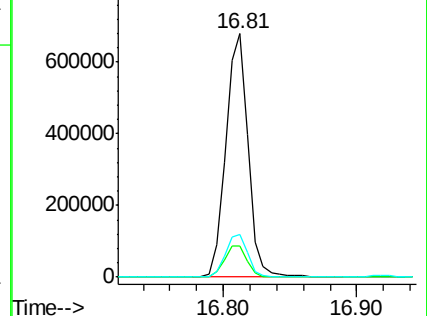
203 17.4 0.0 38.1

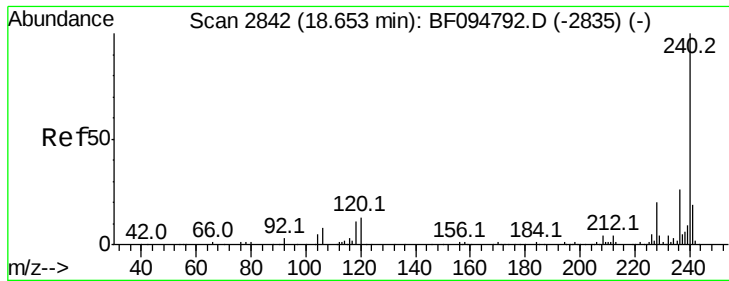


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.70 min Scan# 2850

Delta R.T. 0.05 min

Lab File: BF095152.D

Acq: 16 May 2017 10:55

Instrument :

BNA_F

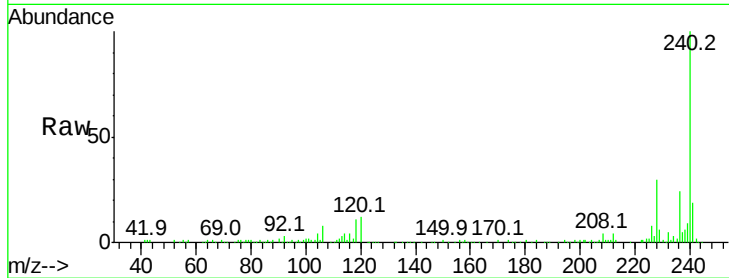
ClientSampleId :

TP-25-6DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.3	5.8	8.8#
236	24.5	20.5	30.7

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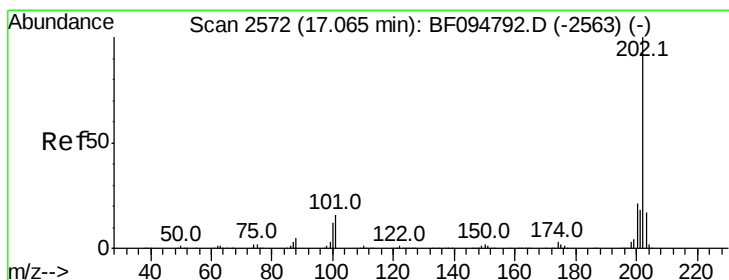
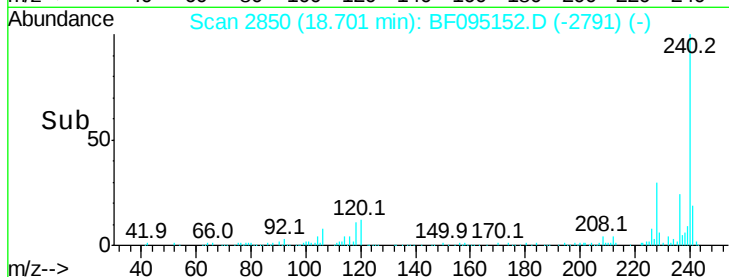
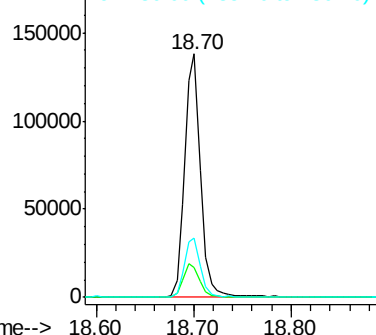
mohammad
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 53.57 ng

RT: 17.11 min Scan# 2580

Delta R.T. 0.05 min

Lab File: BF095152.D

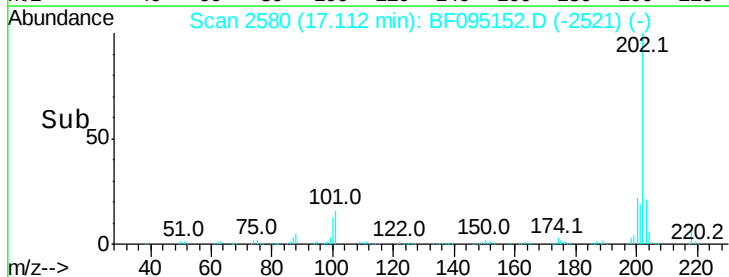
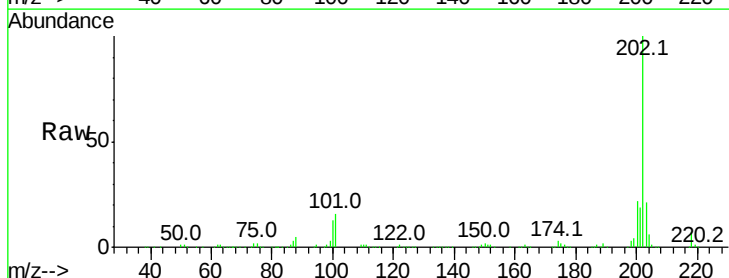
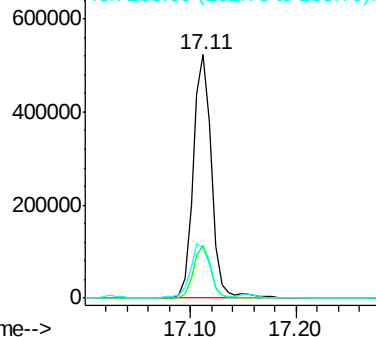
Acq: 16 May 2017 10:55

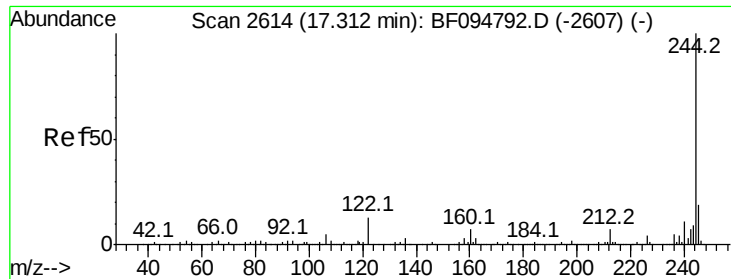
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.6	26.4
203	20.9	14.4	21.6

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





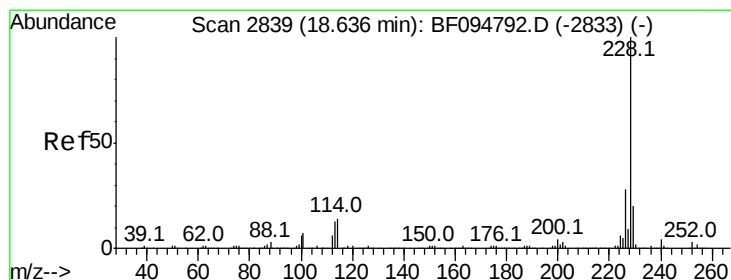
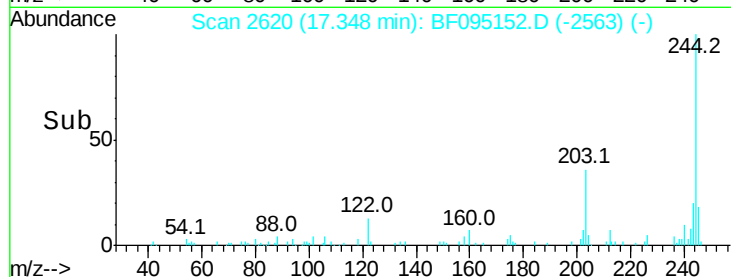
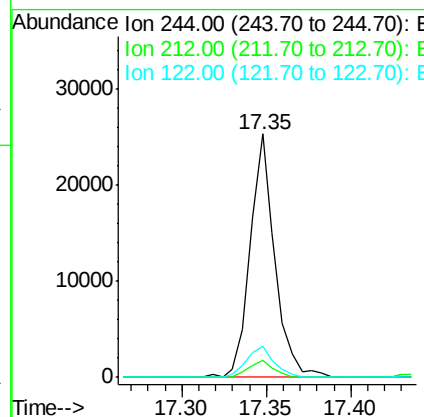
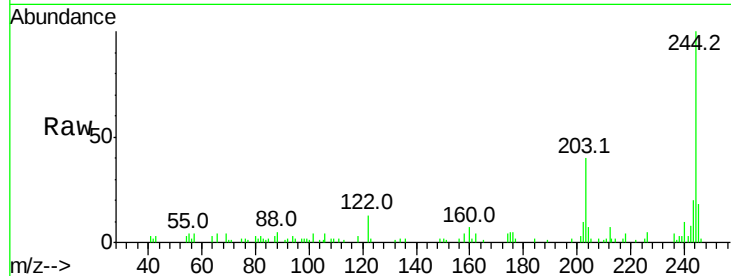
#78
 Terphenyl-d14
 Concen: 3.63 ng
 RT: 17.35 min Scan# 2620
 Delta R.T. 0.04 min
 Lab File: BF095152.D
 Acq: 16 May 2017 10:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-6DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.0	10.3	15.5

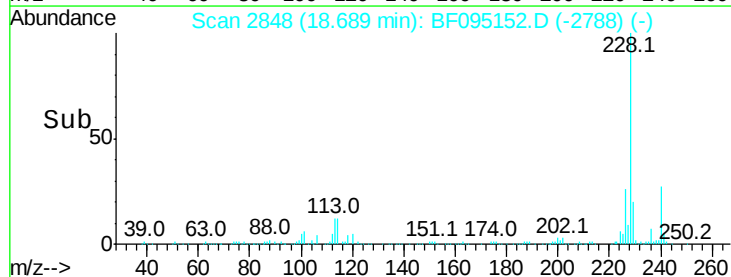
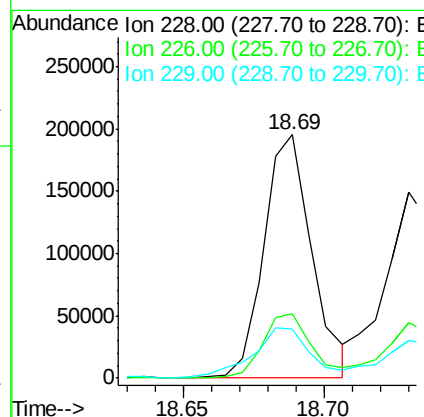
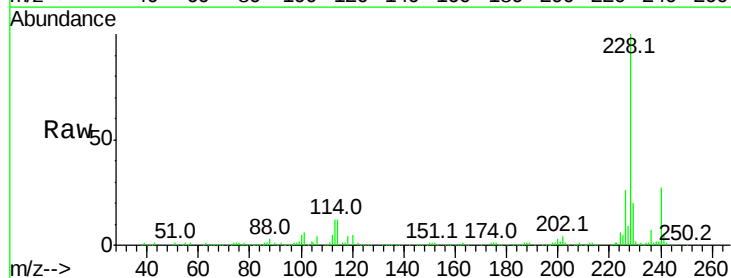
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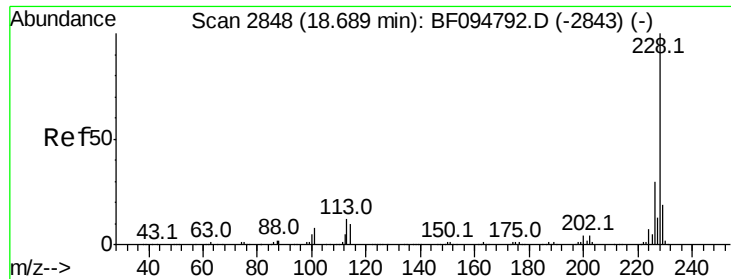
mohammad
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#80
 Benzo(a)anthracene
 Concen: 25.10 ng
 RT: 18.69 min Scan# 2848
 Delta R.T. 0.05 min
 Lab File: BF095152.D
 Acq: 16 May 2017 10:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.4	22.6	33.8
229	20.2	16.3	24.5





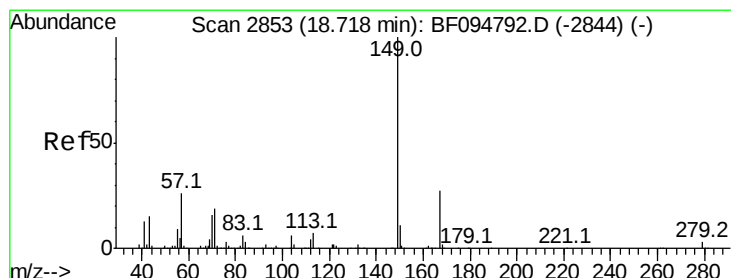
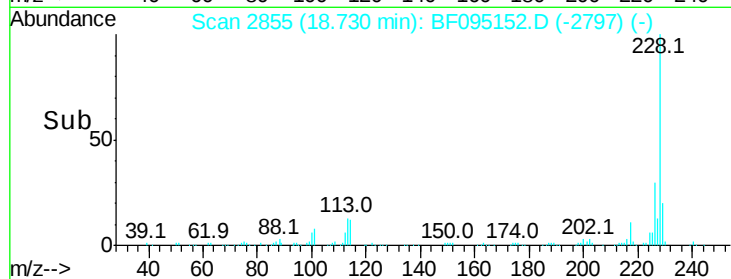
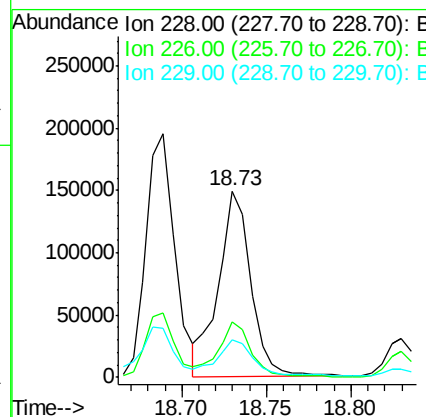
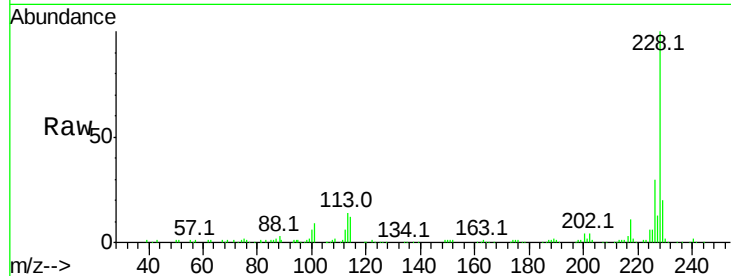
#82
 Chrysene
 Concen: 22.63 ng
 RT: 18.73 min Scan# 2855
 Delta R.T. 0.04 min
 Lab File: BF095152.D
 Acq: 16 May 2017 10:55

Instrument :
 BNA_F
 ClientSampled :
 TP-25-6DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	20.5	15.8	23.6

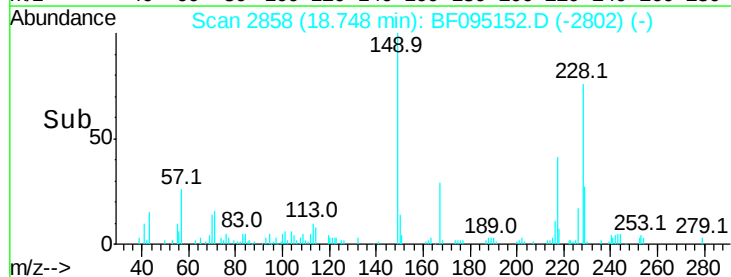
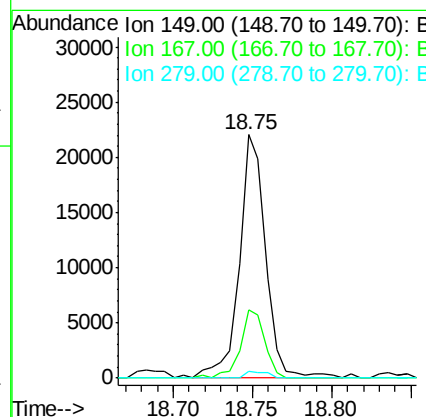
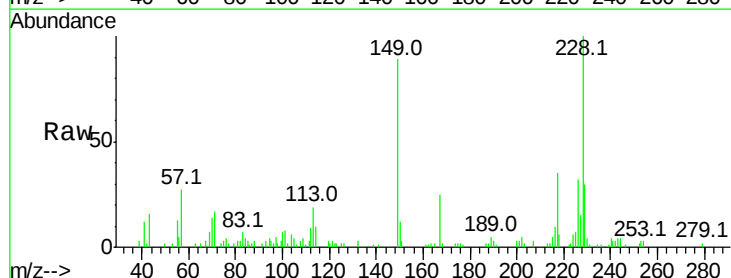
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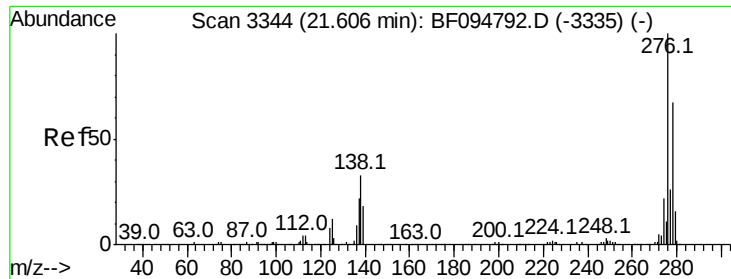
mohammad
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#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.26 ng
 RT: 18.75 min Scan# 2858
 Delta R.T. 0.03 min
 Lab File: BF095152.D
 Acq: 16 May 2017 10:55

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.8	21.0	31.4
279	2.7	1.9	2.9





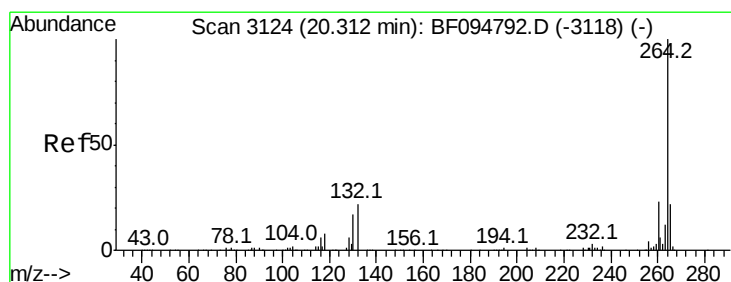
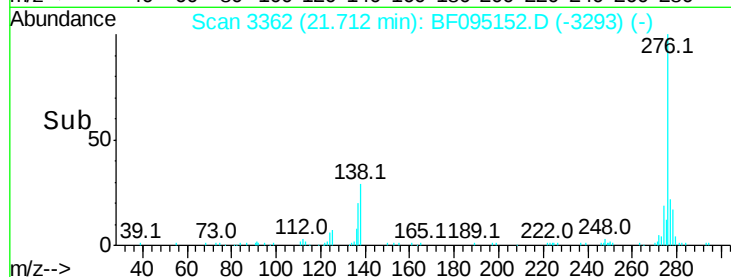
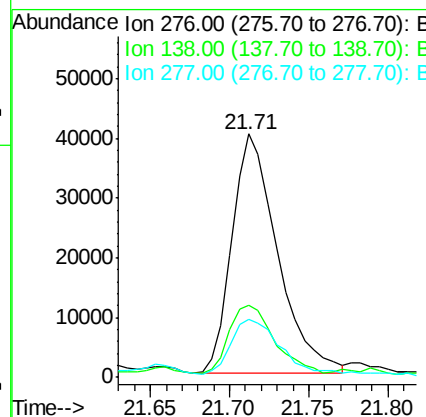
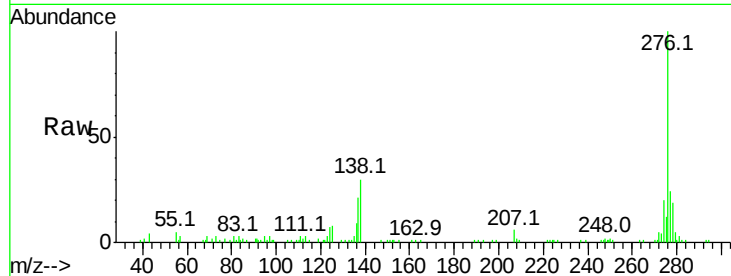
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.23 ng
RT: 21.71 min Scan# 3362
Delta R.T. 0.11 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampled :
TP-25-6DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.5	27.8	41.6
277	26.4	20.2	30.4

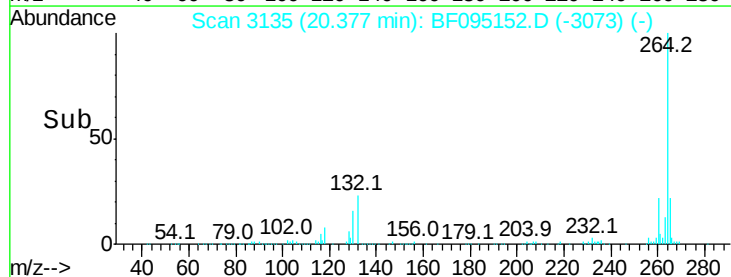
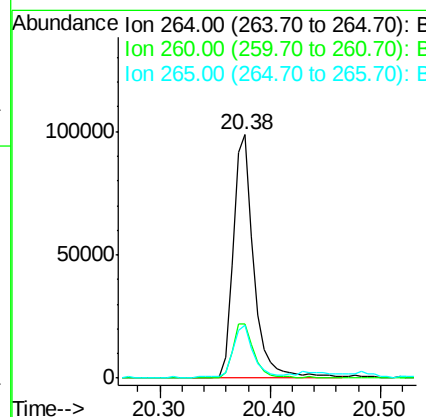
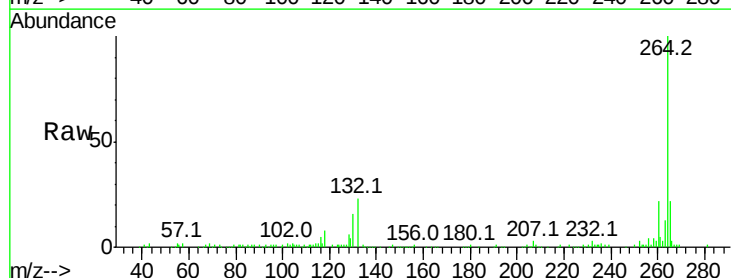
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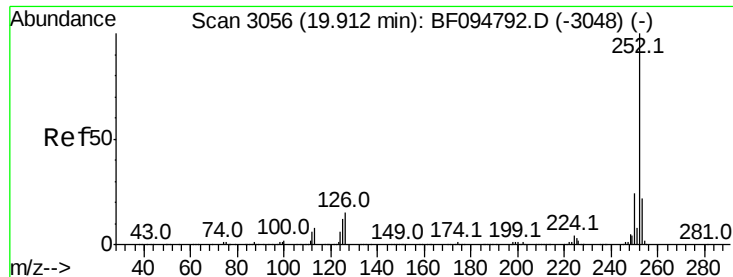
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 20.38 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.5	29.3
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 24.80 ng m

RT: 19.97 min Scan# 3065

Delta R.T. 0.05 min

Lab File: BF095152.D

Acq: 16 May 2017 10:55

Instrument :

BNA_F

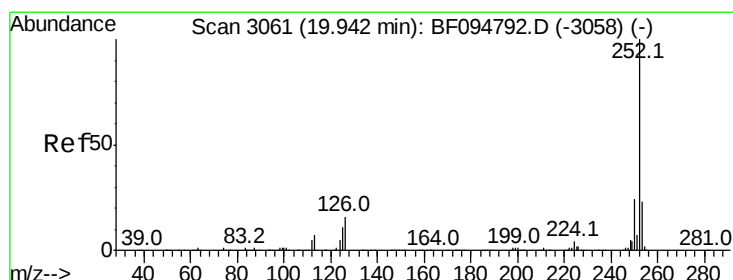
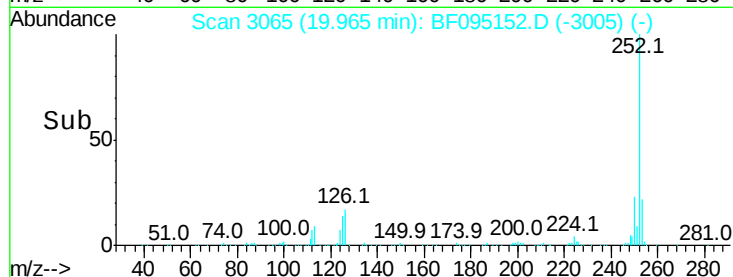
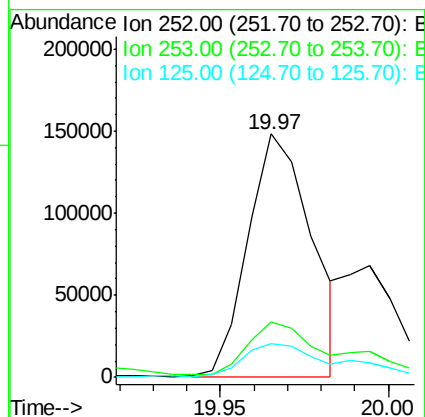
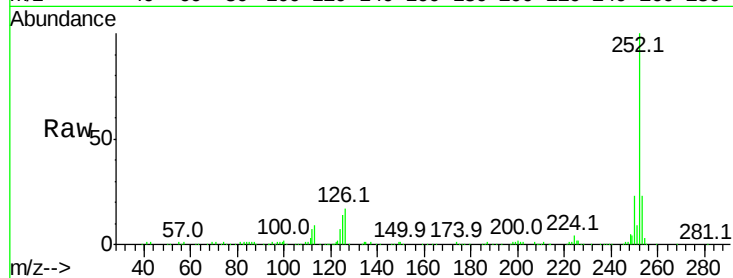
ClientSampleId :

TP-25-6DL

Tot Ion:	252	Resp:	197064
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.1	27.1
125	13.8	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 10.72 ng m

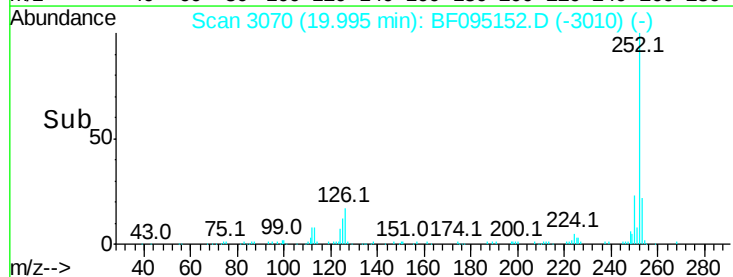
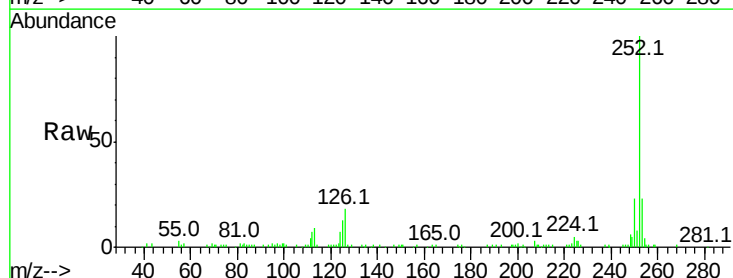
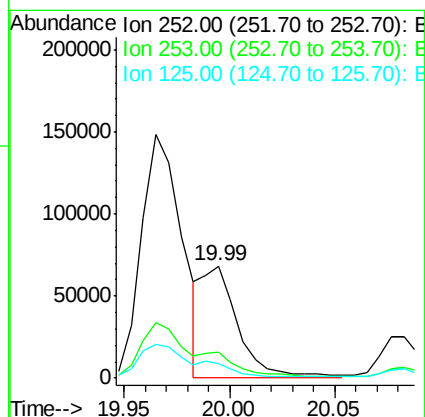
RT: 19.99 min Scan# 3070

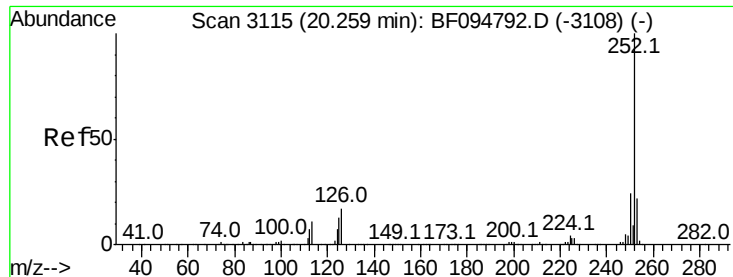
Delta R.T. 0.05 min

Lab File: BF095152.D

Acq: 16 May 2017 10:55

Tgt Ion:	252	Resp:	82195
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.4	27.6
125	12.7	13.1	19.7#





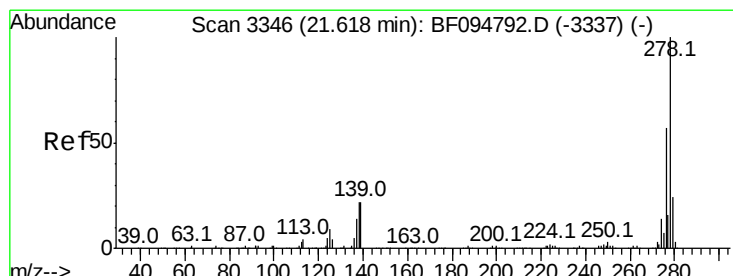
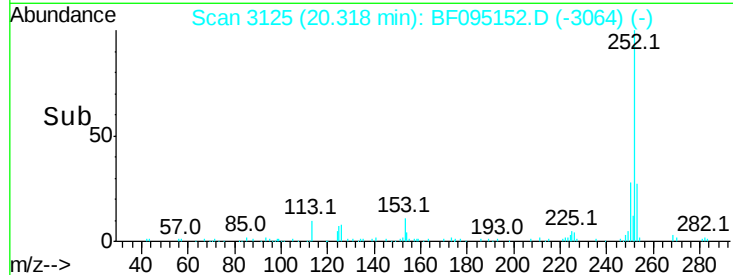
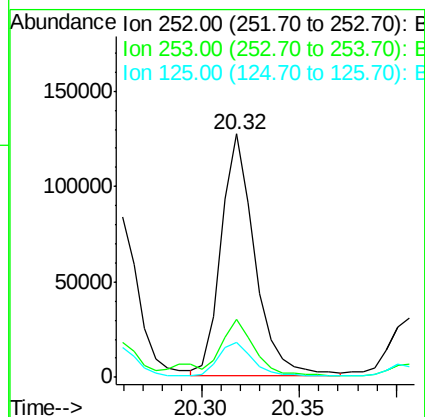
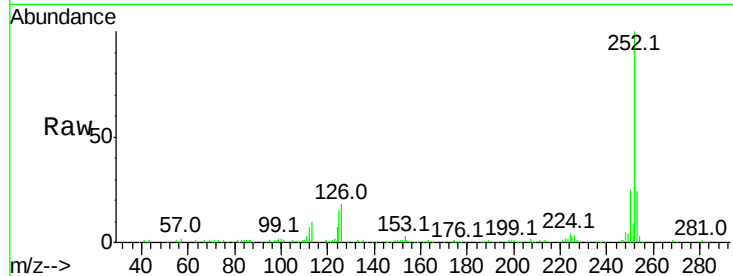
#89
Benzo(a)pyrene
Concen: 20.75 ng
RT: 20.32 min Scan# 3125
Delta R.T. 0.06 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Instrument :
BNA_F
ClientSampleId :
TP-25-6DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	14.6	11.0	16.4

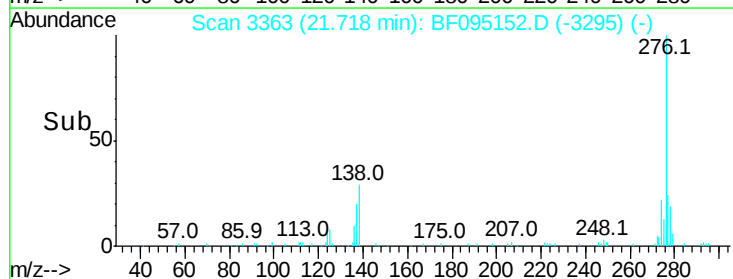
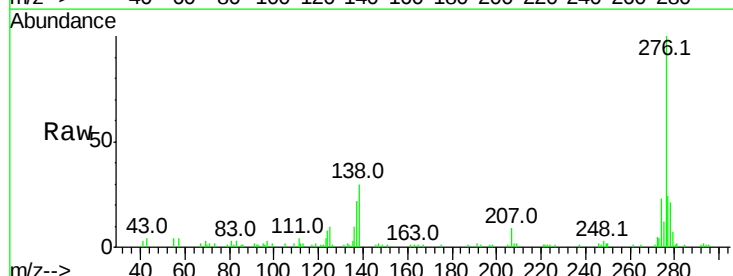
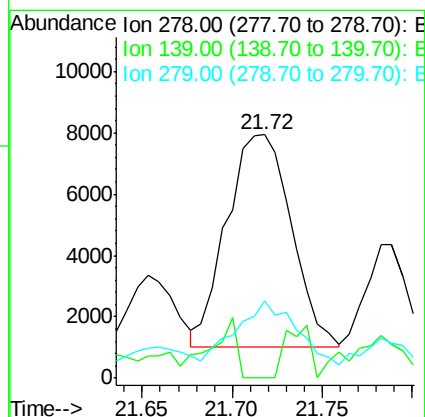
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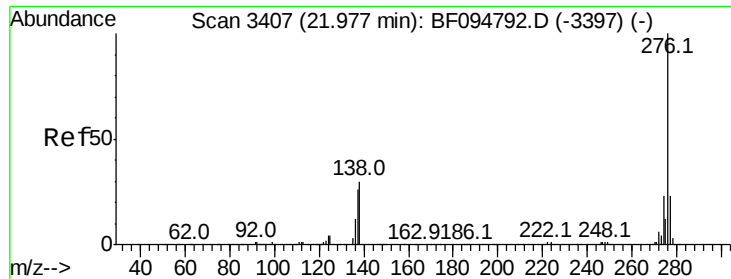
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.84 ng m
RT: 21.72 min Scan# 3363
Delta R.T. 0.10 min
Lab File: BF095152.D
Acq: 16 May 2017 10:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	31.7	19.3	28.9#





#91
 Benzo(a,h,i)perylene
 Concen: 13.53 ng
 RT: 22.10 min Scan# 3428
 Delta R.T. 0.12 min
 Lab File: BF095152.D
 Acq: 16 May 2017 10:55

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-6DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	30.7	25.4	38.0

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