

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051517\
 Data File : BF095144.D
 Acq On : 16 May 2017 1:08
 Operator : SJ/MA
 Sample : I3140-15 10X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-6

Manual Integrations
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Quant Time: May 16 14:42:56 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	72840	20.00	ng	0.05
21) Naphthalene-d8	9.80	136	286375	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	122026	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	176011	20.00	ng	0.05
75) Chrysene-d12	18.70	240	186471	20.00	ng	0.05
86) Perylene-d12	20.38	264	157526	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.81	112	34195	7.83	ng	0.13
7) Phenol-d6	7.37	99	45328	8.65	ng	0.09
23) Nitrobenzene-d5	8.70	82	24268	5.34	ng	0.06
41) 2,4,6-Tribromophenol	13.94	330	7875	7.88	ng	0.05
44) 2-Fluorobiphenyl	11.57	172	67957	8.02	ng	0.04
78) Terphenyl-d14	17.35	244	44210	5.22	ng	0.04
Target Compounds						Qvalue
51) Acenaphthene	12.68	154	87347	11.25	ng	99
54) Dibenzofuran	12.97	168	80470	7.49	ng	95
57) Fluorene	13.52	166	133423	14.29	ng	100
70) Phenanthrene	15.07	178	1050220	103.85	ng	98
71) Anthracene	15.15	178	326121	31.57	ng	97
72) Carbazole	15.44	167	77559	8.25	ng	# 96
73) Di-n-butylphthalate	15.99	149	27868	2.38	ng	100
74) Fluoranthene	16.81	202	1157526	111.58	ng	99
77) Pyrene	17.12	202	981552	70.38	ng	98
80) Benzo(a)anthracene	18.69	228	517448	47.68	ng	99
82) Chrysene	18.74	228	426424	40.64	ng	97
83) Bis(2-ethylhexyl)phthalate	18.75	149	47353	5.12	ng	100
85) Indeno(1,2,3-cd)pyrene	21.71	276	162166	19.03	ng	93
87) Benzo(b)fluoranthene	19.97	252	486936m	50.03	ng	
88) Benzo(k)fluoranthene	19.99	252	195952m	20.87	ng	
89) Benzo(a)pyrene	20.32	252	362475	40.36	ng	98
90) Dibenzo(a,h)anthracene	21.71	278	35206m	4.75	ng	
91) Benzo(g,h,i)perylene	22.10	276	152793	20.99	ng	97

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

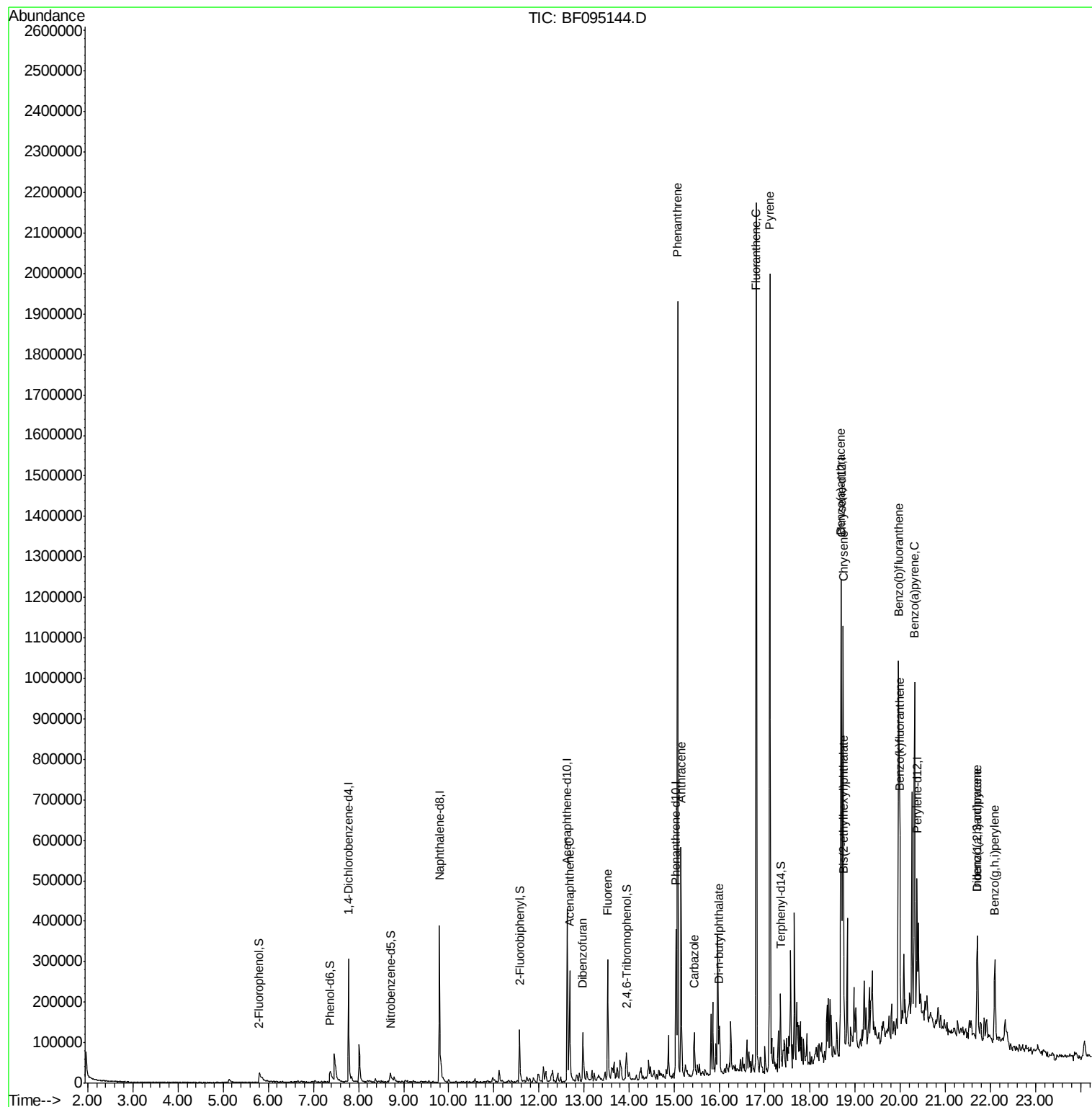
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#1

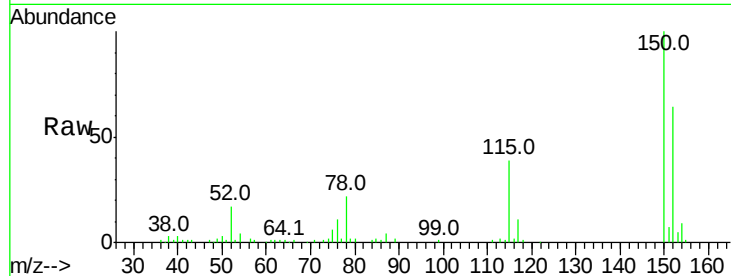
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Instrument :
BNA_F
ClientSampleId :
TP-25-6

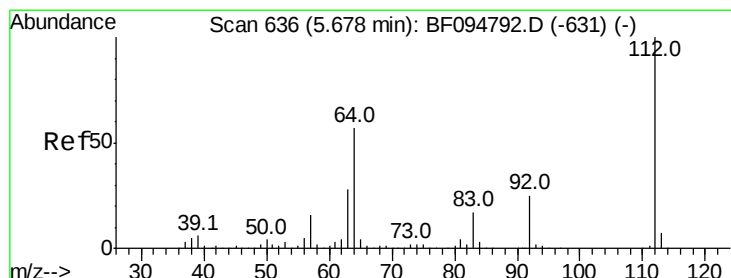
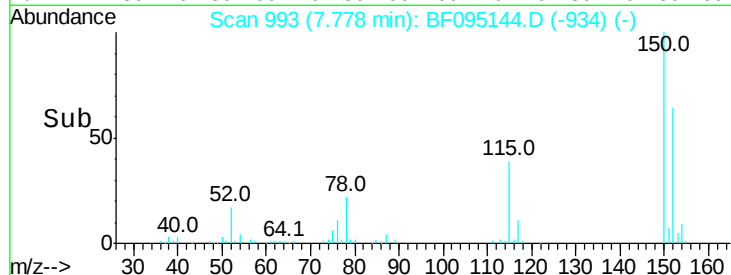
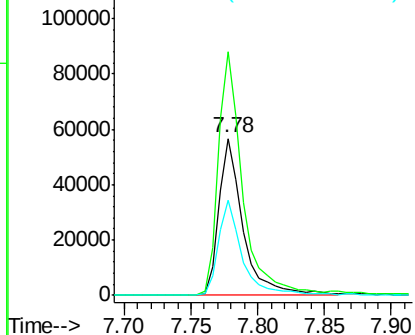
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.2
115	60.5	52.2	78.2

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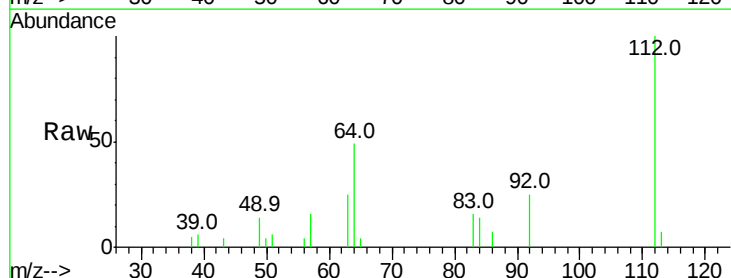
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



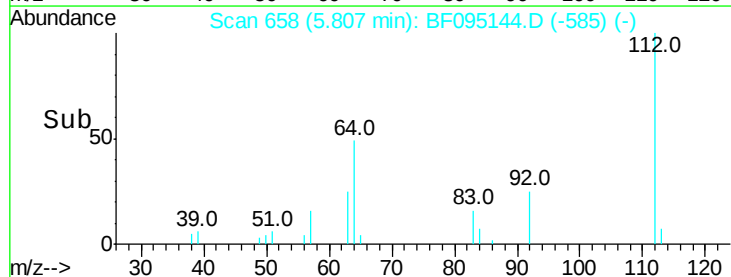
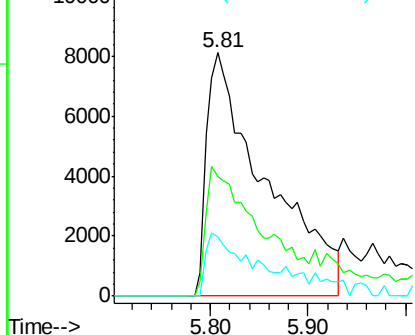
#5

2-Fluorophenol
Concen: 7.83 ng
RT: 5.81 min Scan# 658
Delta R.T. 0.13 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	49.3	46.0	69.0
63	24.5	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: 8.65 ng

RT: 7.37 min Scan# 923

Delta R.T. 0.09 min

Lab File: BF095144.D

Acq: 16 May 2017 1:08

Instrument :

BNA_F

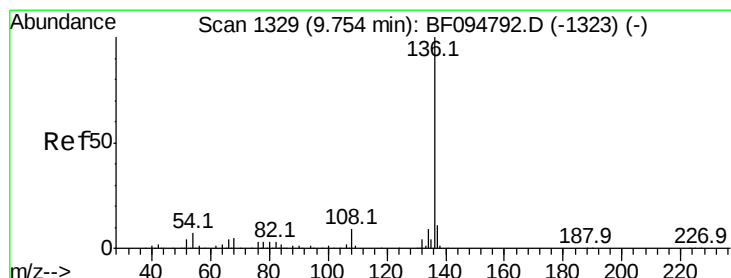
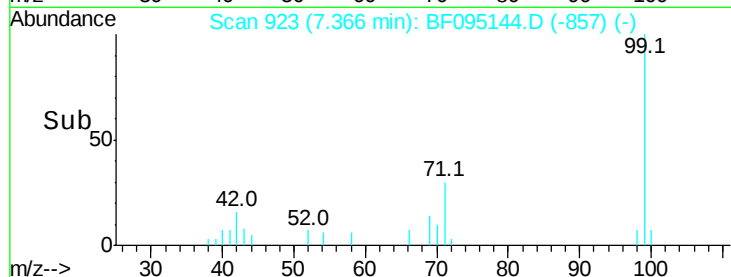
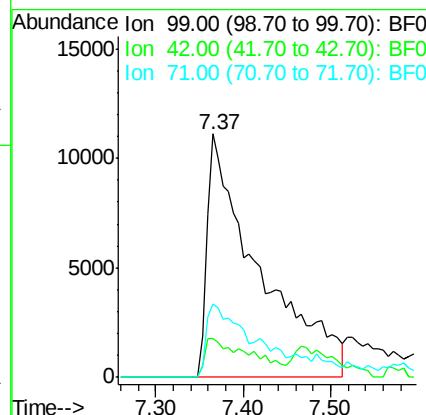
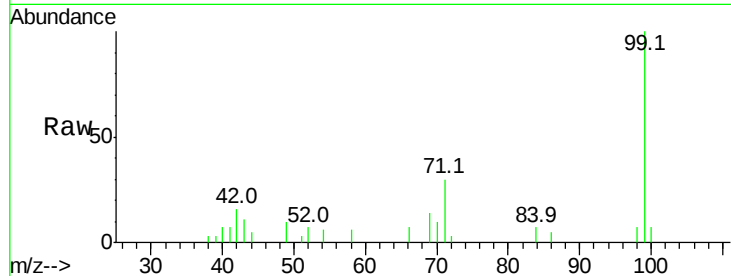
ClientSampled :

TP-25-6

Tot Ion:	99	Resp:	45328
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.5	20.3
71	30.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

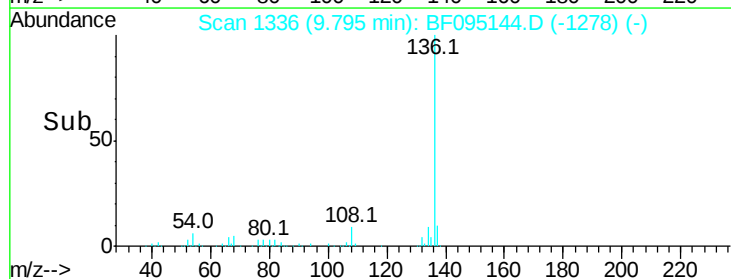
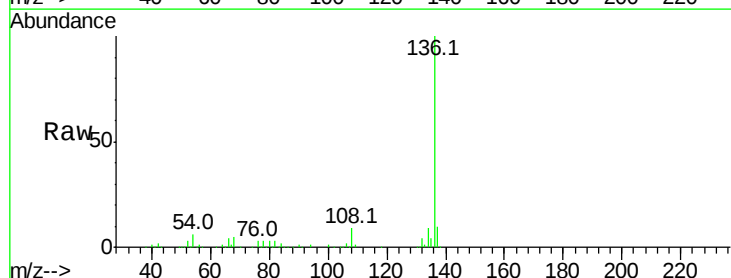
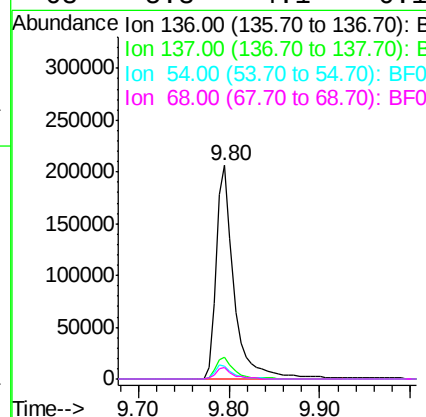
RT: 9.80 min Scan# 1336

Delta R.T. 0.04 min

Lab File: BF095144.D

Acq: 16 May 2017 1:08

Tgt Ion:	136	Resp:	286375
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.5	12.7
54	6.1	4.9	7.3
68	5.3	4.1	6.1





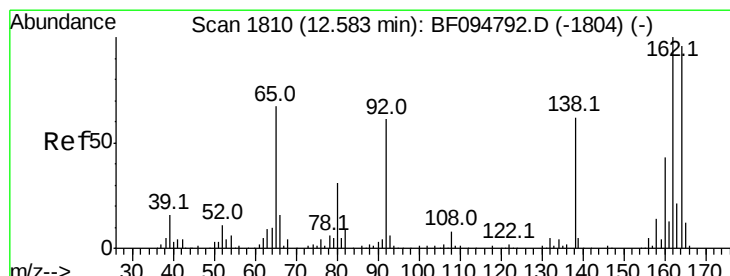
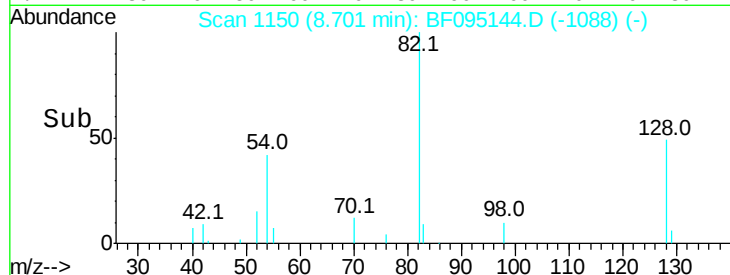
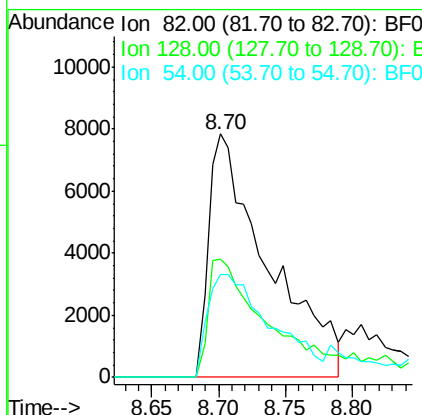
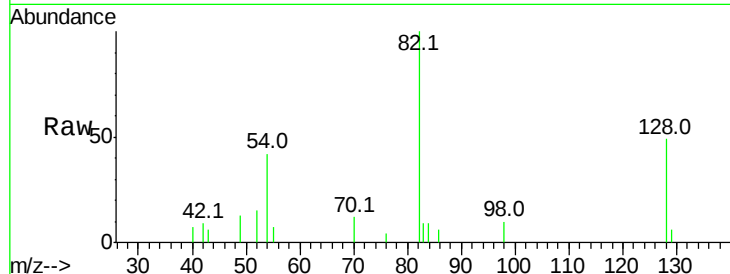
#23
 Nitrobenzene-d5
 Concen: 5.34 ng
 RT: 8.70 min Scan# 1150
 Delta R.T. 0.06 min
 Lab File: BF095144.D
 Acq: 16 May 2017 1:08

Instrument :
 BNA_F
 ClientSampled :
 TP-25-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.6	34.0	51.0
54	42.0	42.2	63.2#

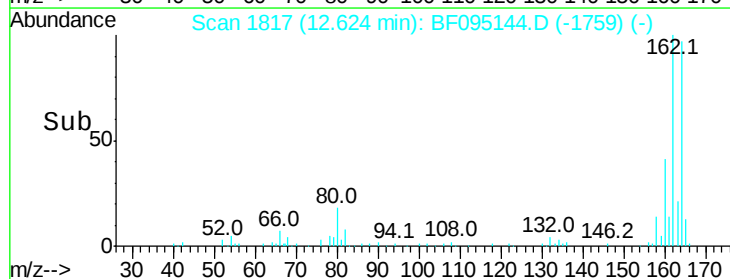
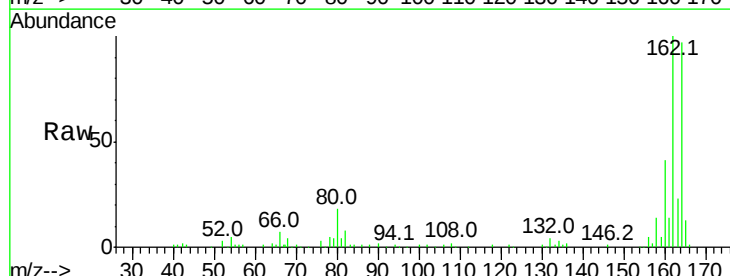
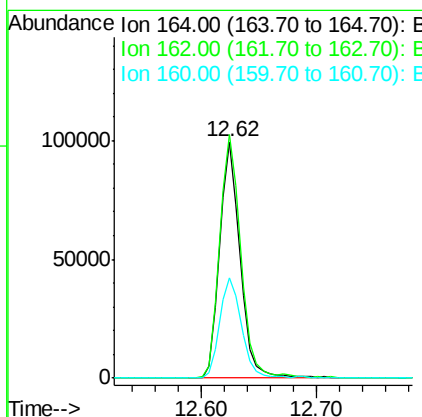
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095144.D
 Acq: 16 May 2017 1:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	123.8
160	42.5	36.2	54.2





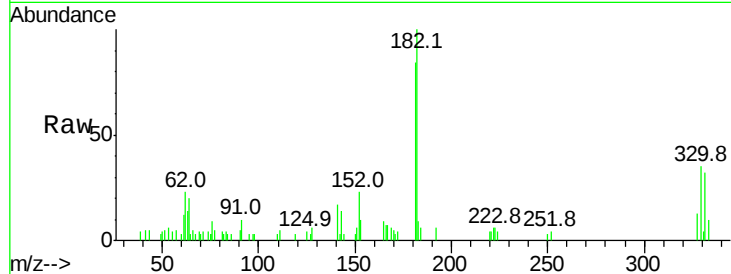
#41
 2,4,6-Tribromophenol
 Concen: 7.88 ng
 RT: 13.94 min Scan# 2040
 Delta R.T. 0.05 min
 Lab File: BF095144.D
 Acq: 16 May 2017 1:08

Instrument :
 BNA_F
 ClientSampled :
 TP-25-6

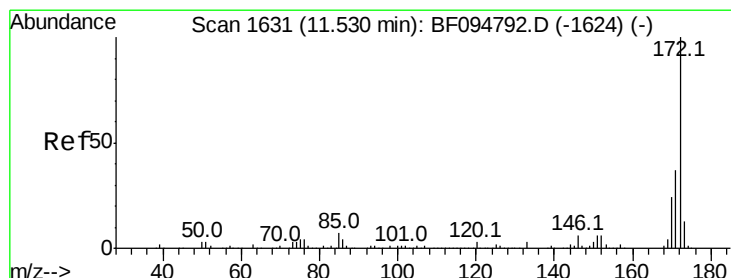
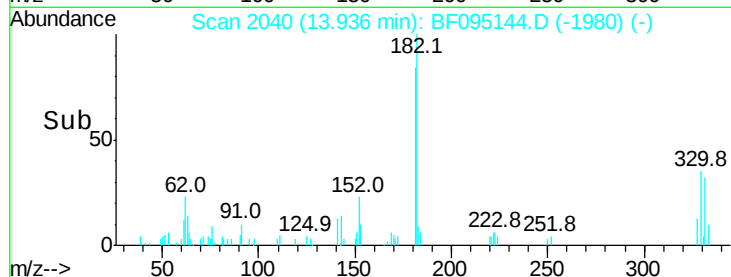
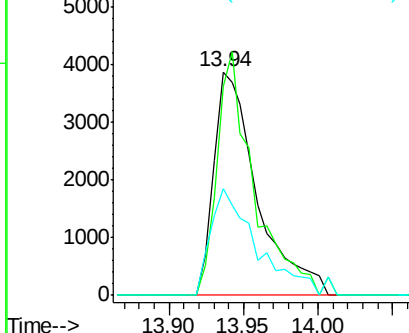
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.6	115.0
141	52.1	31.4	47.2#

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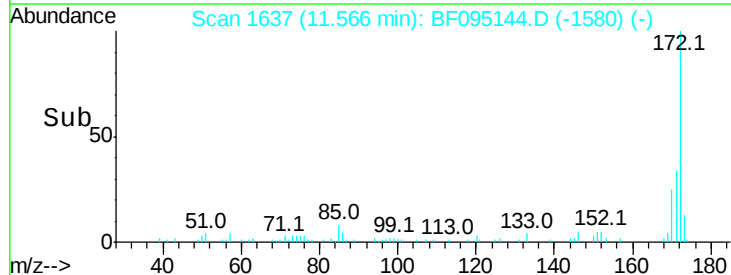
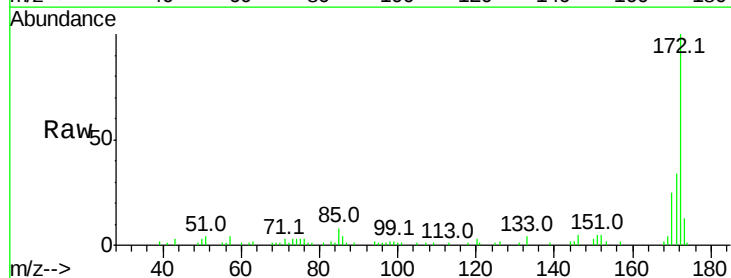
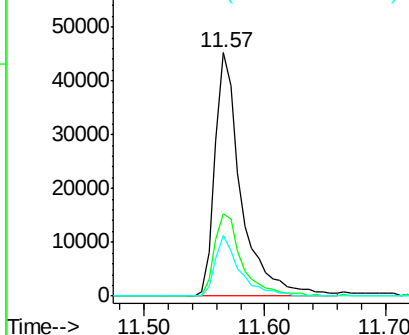
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

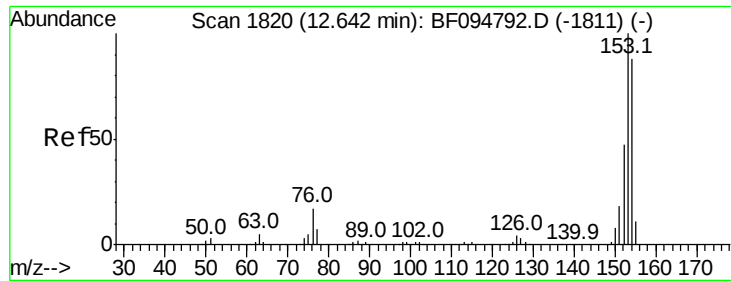


#44
 2-Fluorobiphenyl
 Concen: 8.02 ng
 RT: 11.57 min Scan# 1637
 Delta R.T. 0.04 min
 Lab File: BF095144.D
 Acq: 16 May 2017 1:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	29.6	44.4
170	24.8	19.8	29.8

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





#51

Acenaphthene

Concen: 11.25 ng

RT: 12.68 min Scan# 1826

Delta R.T. 0.04 min

Lab File: BF095144.D

Acq: 16 May 2017 1:08

Instrument :

BNA_F

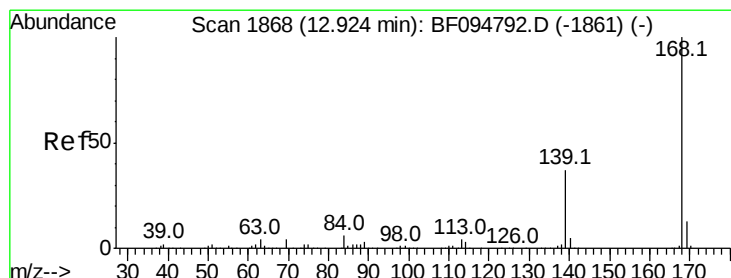
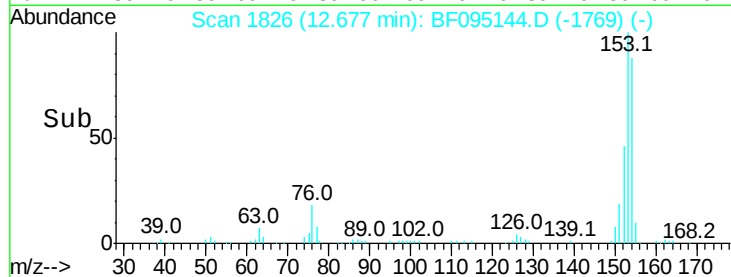
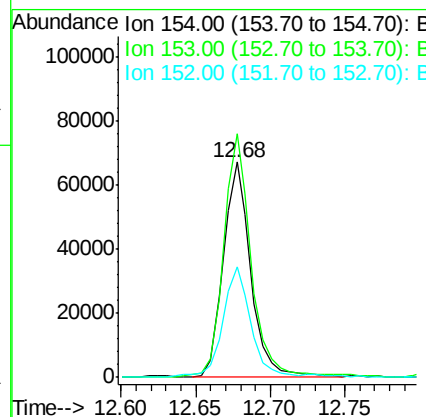
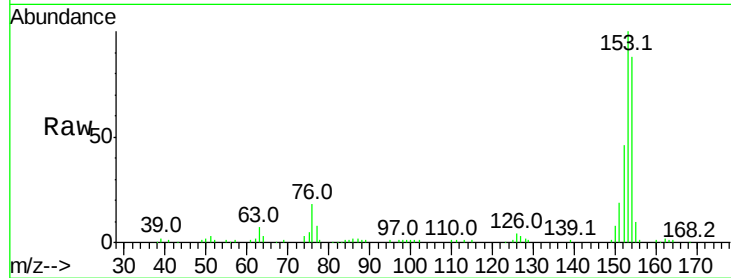
ClientSampled :

TP-25-6

Tot Ion:	154	Resp:	87347
Ion Ratio	Lower	Upper	
154	100		
153	113.2	90.5	135.7
152	51.7	43.6	65.4

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#54

Dibenzofuran

Concen: 7.49 ng

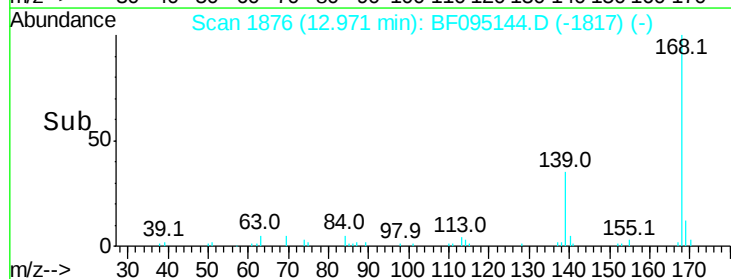
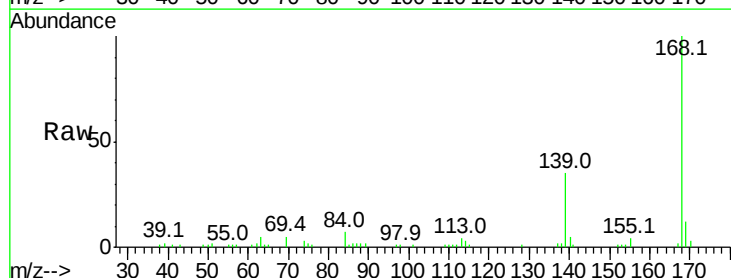
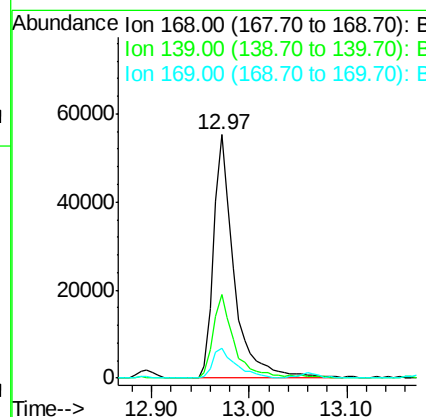
RT: 12.97 min Scan# 1876

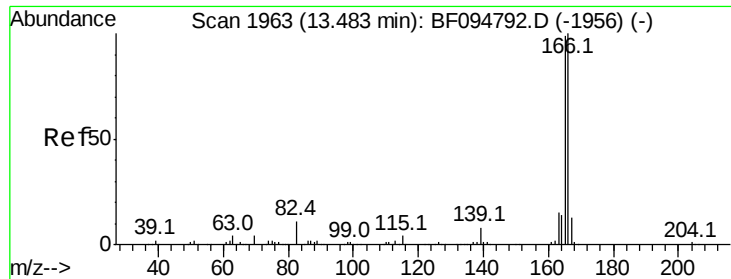
Delta R.T. 0.05 min

Lab File: BF095144.D

Acq: 16 May 2017 1:08

Tgt Ion:	168	Resp:	80470
Ion Ratio	Lower	Upper	
168	100		
139	34.5	30.6	45.8
169	12.5	10.8	16.2





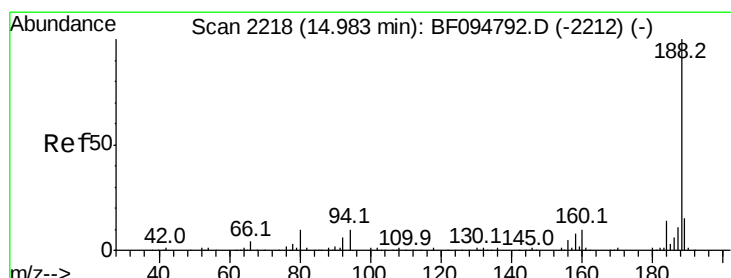
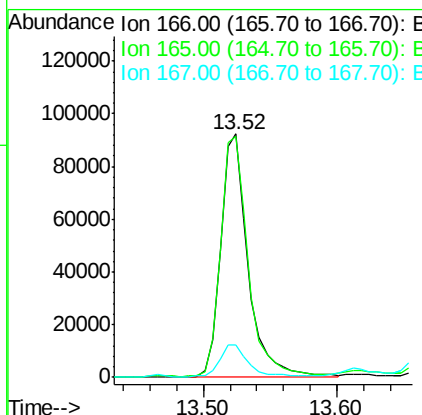
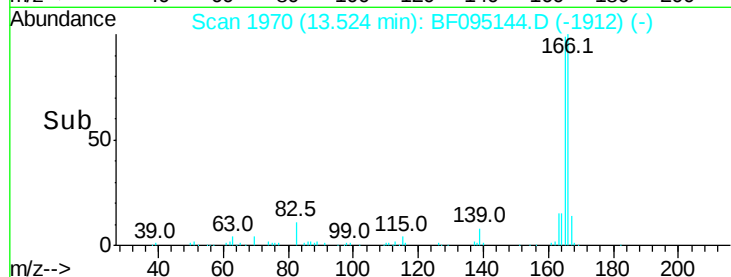
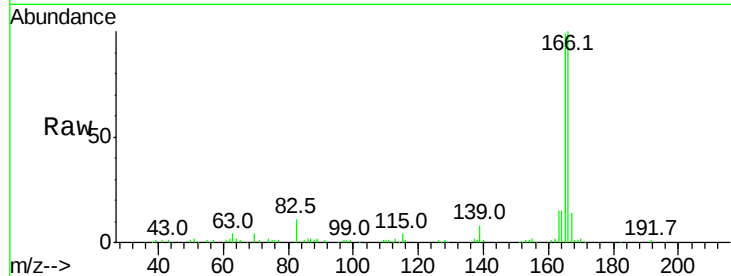
#57
Fluorene
 Concen: 14.29 ng
 RT: 13.52 min Scan# 1970
 Delta R.T. 0.04 min
 Lab File: BF095144.D
 Acq: 16 May 2017 1:08

Instrument :
 BNA_F
 ClientSampleId :
 TP-25-6

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.8	118.2
167	13.5	10.6	16.0

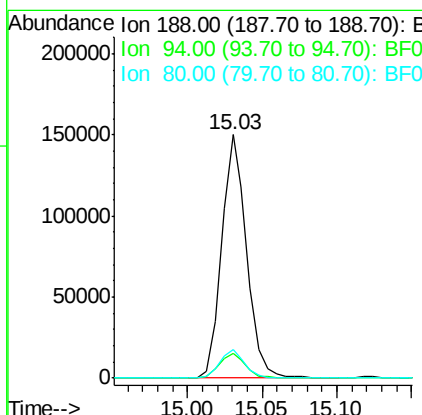
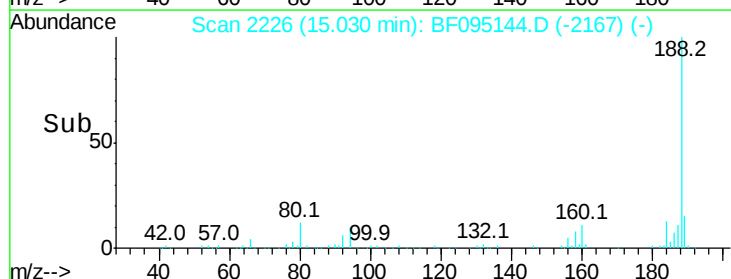
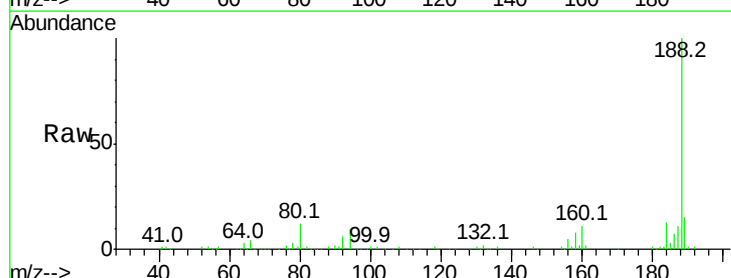
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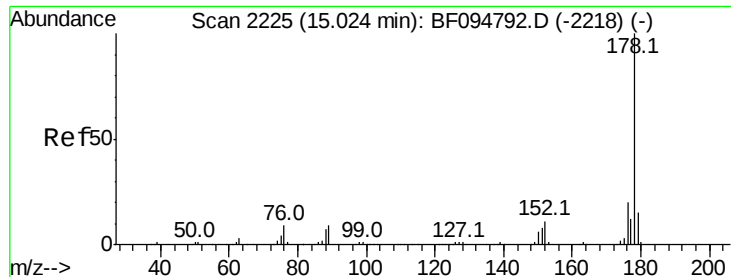
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.03 min Scan# 2226
 Delta R.T. 0.05 min
 Lab File: BF095144.D
 Acq: 16 May 2017 1:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.6	10.2	15.2





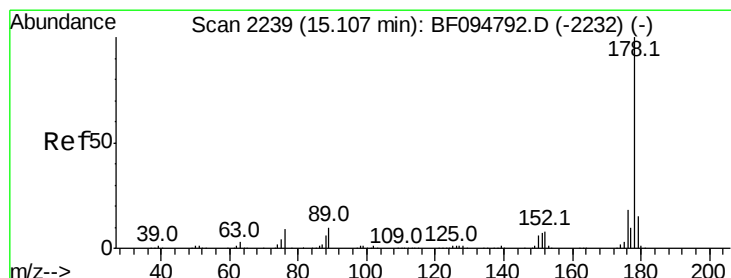
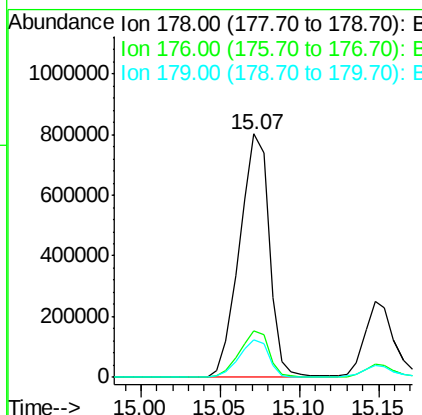
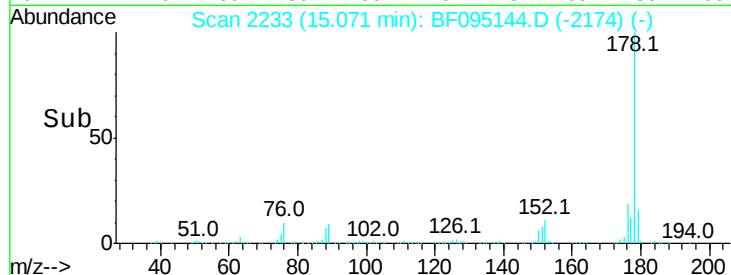
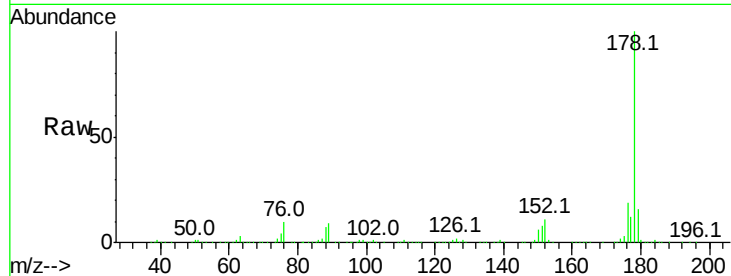
#70
Phenanthrene
Concen: 103.85 ng
RT: 15.07 min Scan# 2233
Delta R.T. 0.05 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Instrument :
BNA_F
ClientSampled :
TP-25-6

Tot Ion:178 Resp: 1050220
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 15.5 12.6 19.0

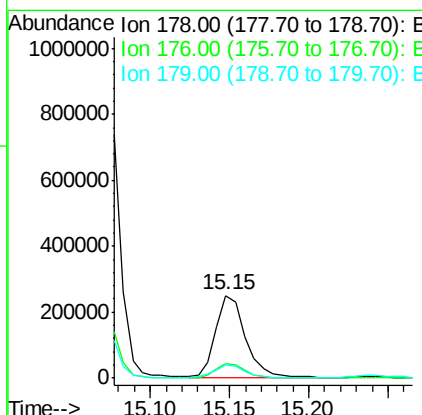
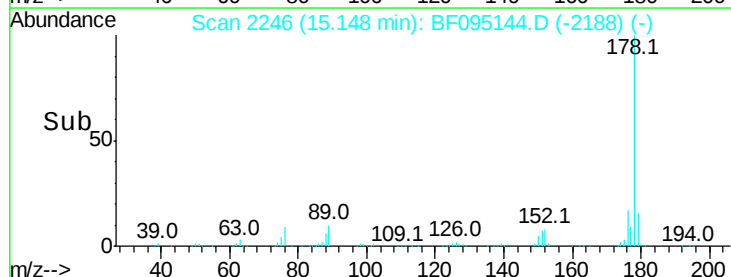
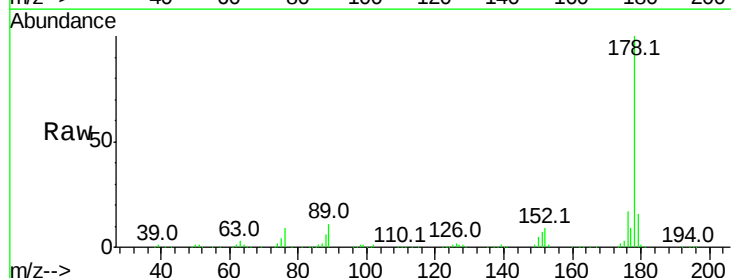
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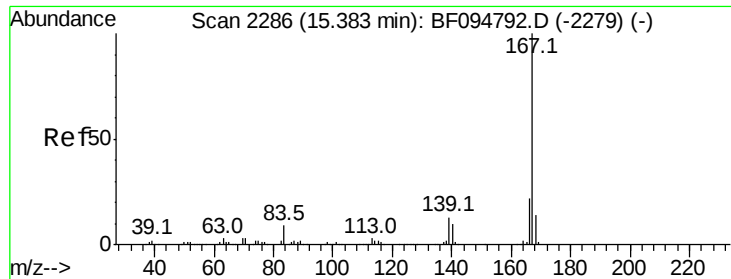
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#71
Anthracene
Concen: 31.57 ng
RT: 15.15 min Scan# 2246
Delta R.T. 0.04 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Tgt Ion:178 Resp: 326121
Ion Ratio Lower Upper
178 100
176 17.1 15.8 23.8
179 15.8 12.7 19.1





#72

Carbazole

Concen: 8.25 ng

RT: 15.44 min Scan# 2295

Delta R.T. 0.05 min

Lab File: BF095144.D

Acq: 16 May 2017 1:08

Instrument :

BNA_F

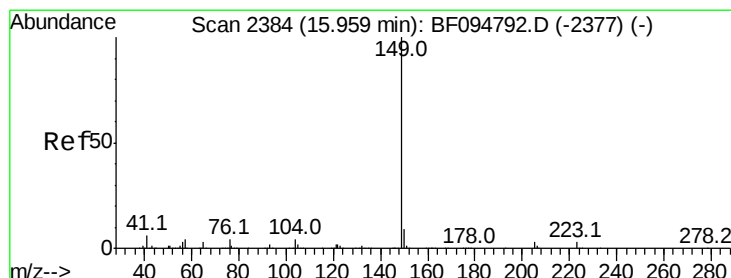
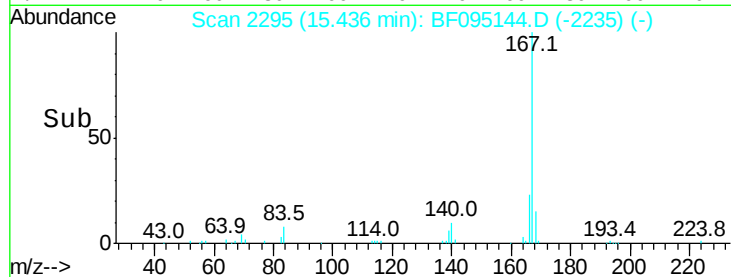
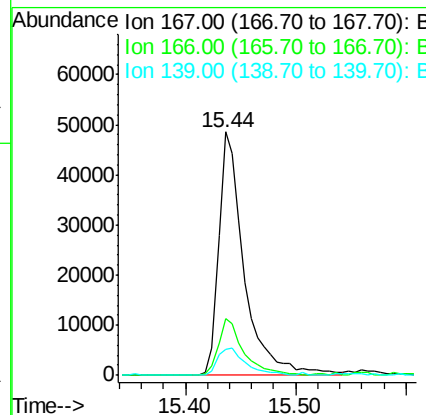
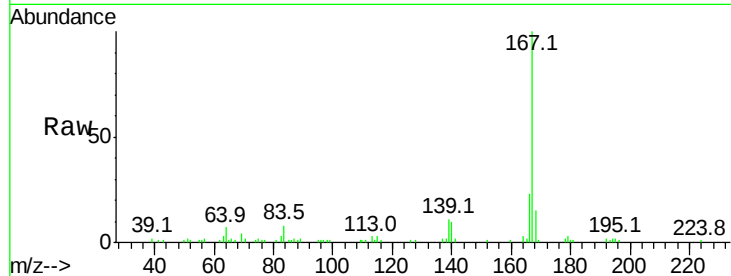
ClientSampleId :

TP-25-6

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	23.3	18.1	27.1	
139	10.9	11.7	17.5	

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#73

Di-n-butylphthalate

Concen: 2.38 ng

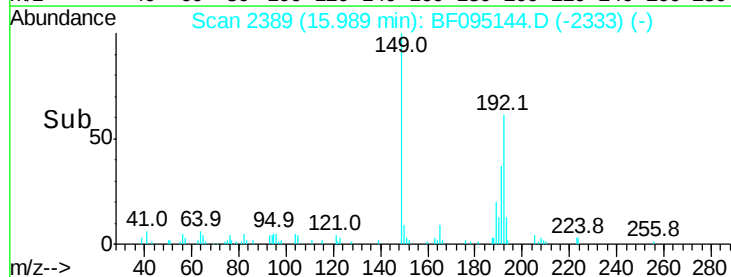
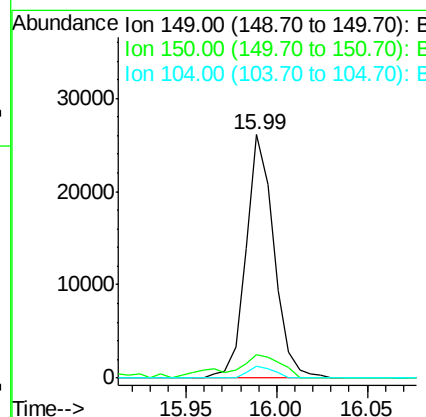
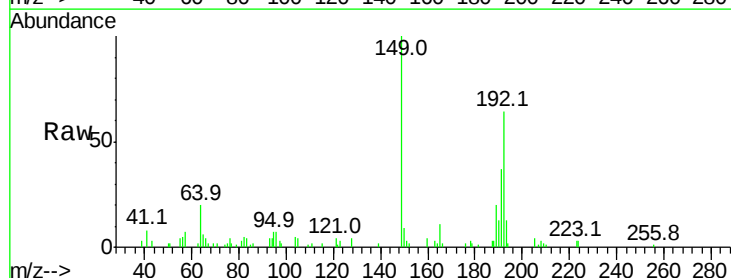
RT: 15.99 min Scan# 2389

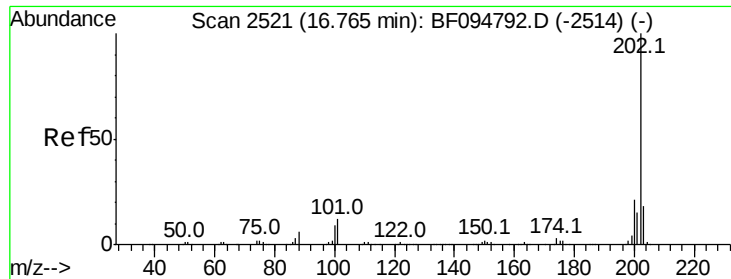
Delta R.T. 0.03 min

Lab File: BF095144.D

Acq: 16 May 2017 1:08

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
150	9.4	7.7	11.5	
104	5.1	4.0	6.0	





#74

Fluoranthene

Concen: 111.58 ng

RT: 16.81 min Scan# 2529

Delta R.T. 0.05 min

Lab File: BF095144.D

Acq: 16 May 2017 1:08

Instrument :

BNA_F

ClientSampleId :

TP-25-6

Tot Ion:202 Resp: 1157526

Ion Ratio Lower Upper

202 100

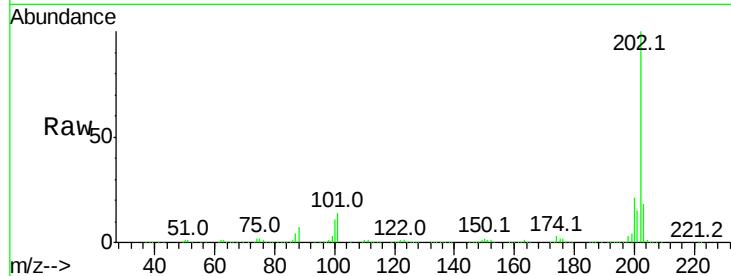
101 14.1 0.0 33.2

203 18.0 0.0 38.1

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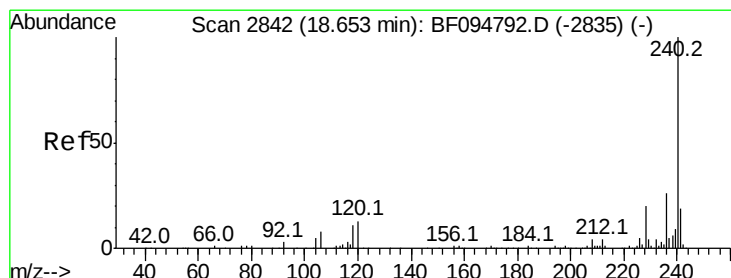
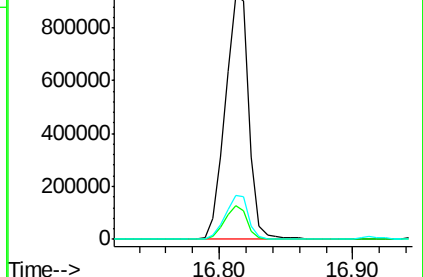
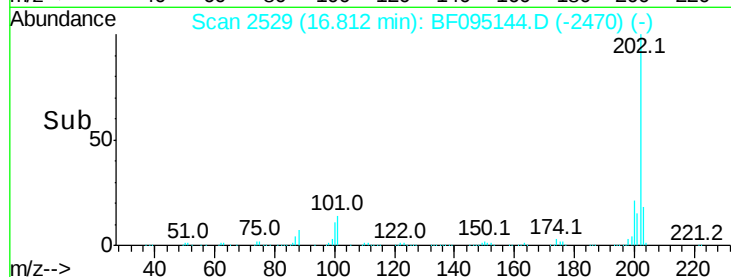
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Abundance Ion 202.00 (201.70 to 202.70): E

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: BF095144.D

Acq: 16 May 2017 1:08

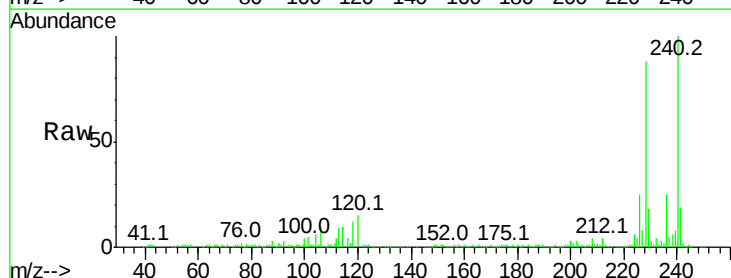
Tgt Ion:240 Resp: 186471

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

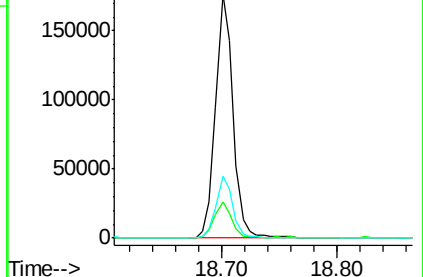
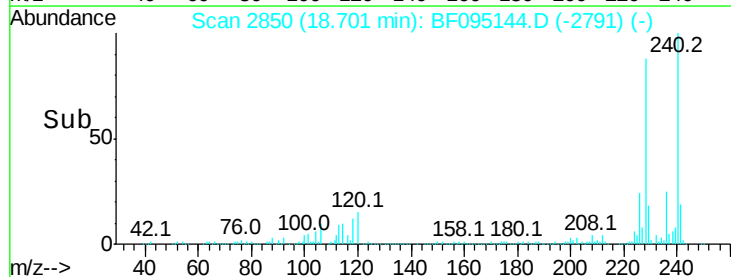
236 25.3 20.5 30.7

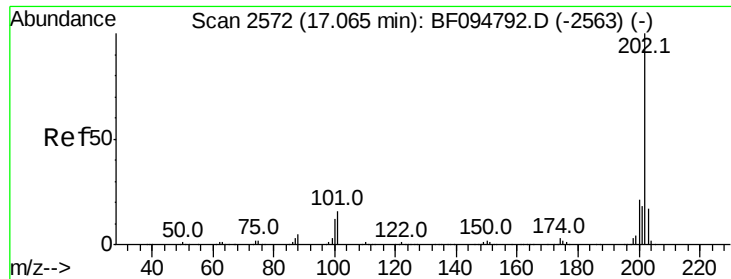


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





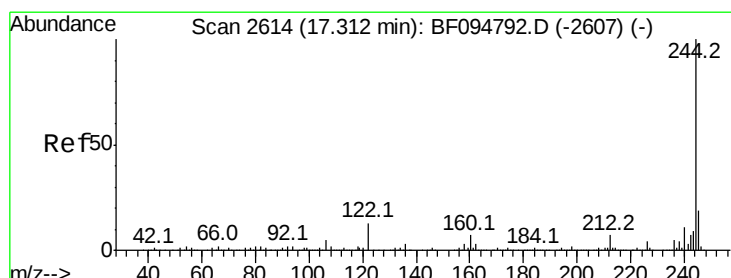
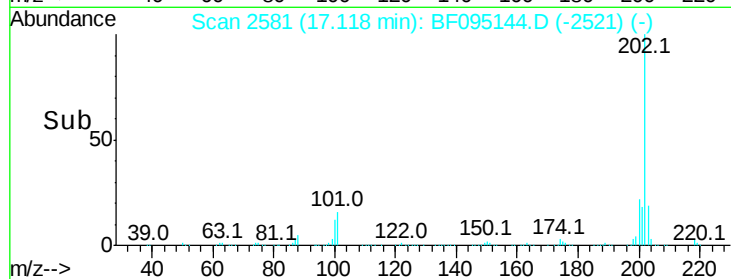
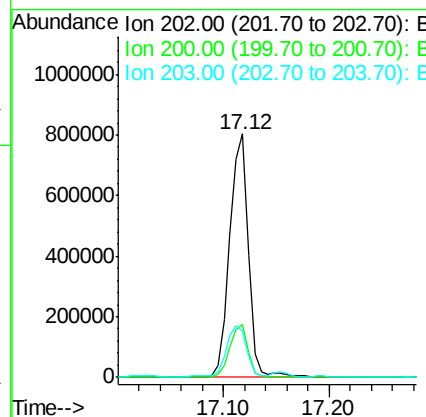
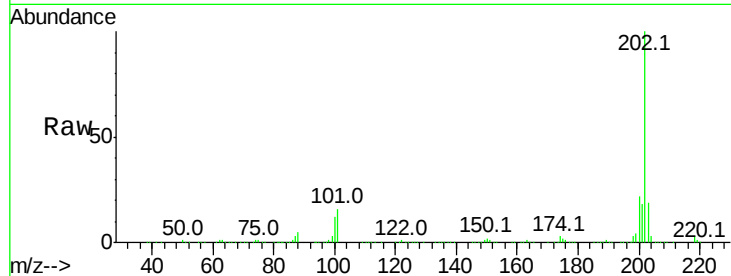
#77
Pvrene
Concen: 70.38 ng
RT: 17.12 min Scan# 2581
Delta R.T. 0.05 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Instrument :
BNA_F
ClientSampled :
TP-25-6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.6	26.4
203	19.3	14.4	21.6

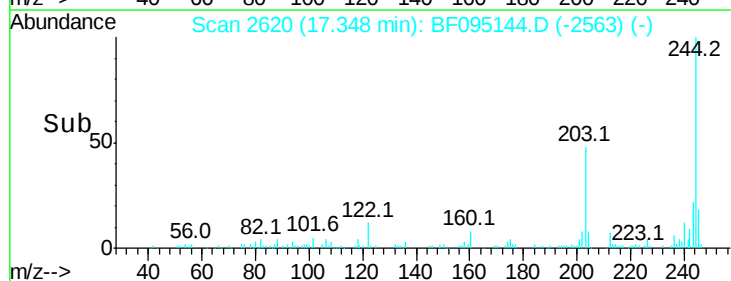
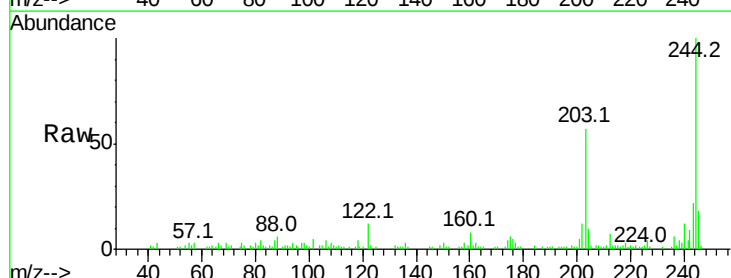
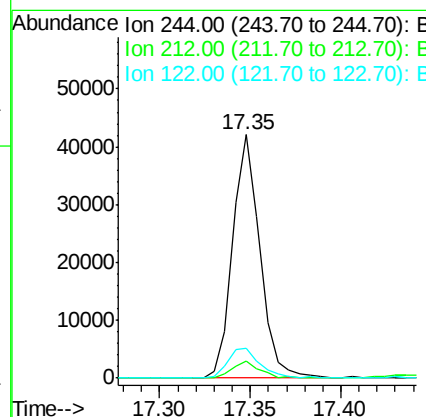
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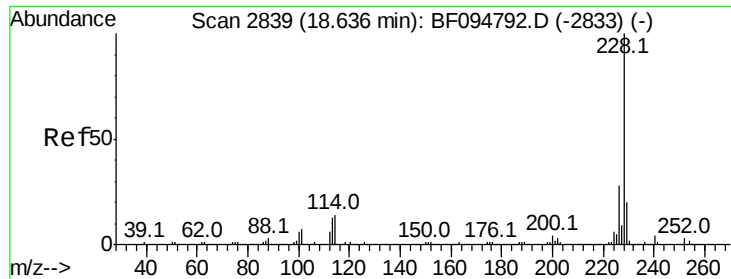
mohammad
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#78
Terphenyl-d14
Concen: 5.22 ng
RT: 17.35 min Scan# 2620
Delta R.T. 0.04 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.5	10.3	15.5





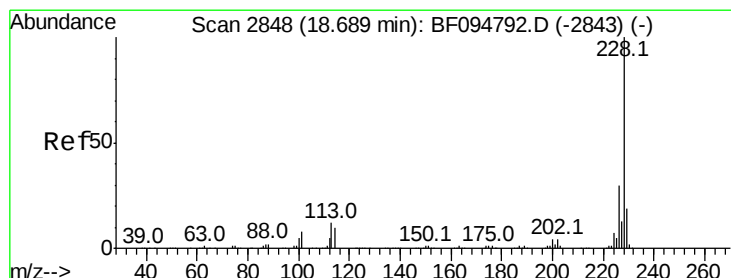
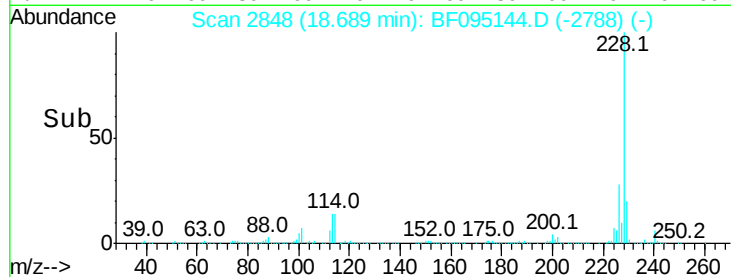
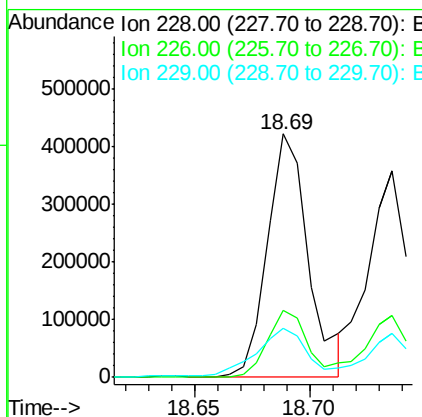
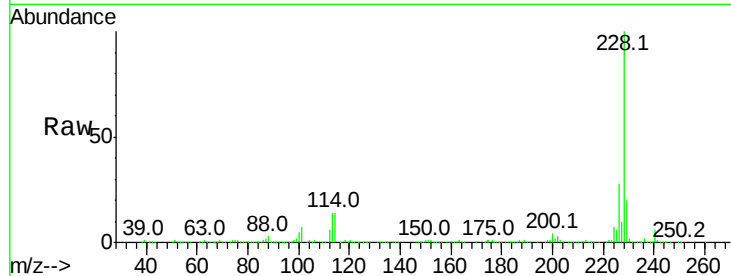
#80
Benzo(a)anthracene
Concen: 47.68 ng
RT: 18.69 min Scan# 2848
Delta R.T. 0.05 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Instrument :
BNA_F
ClientSampled :
TP-25-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.4	16.3	24.5

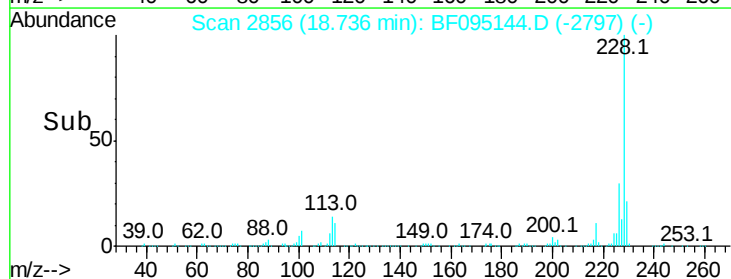
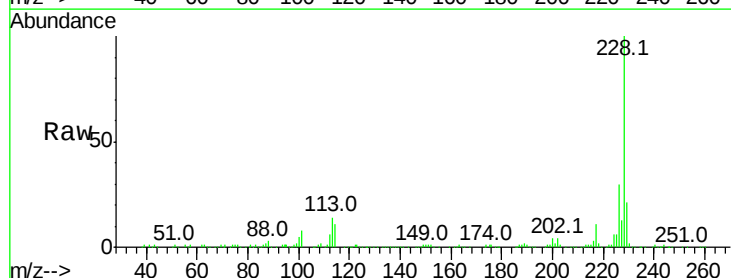
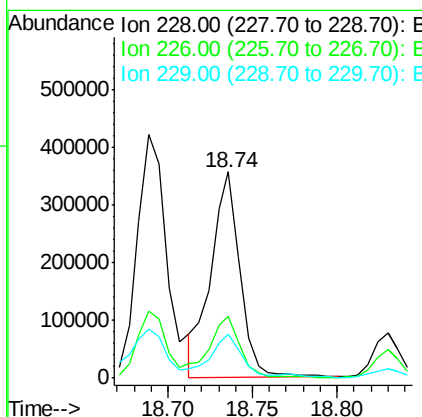
Manual Integrations
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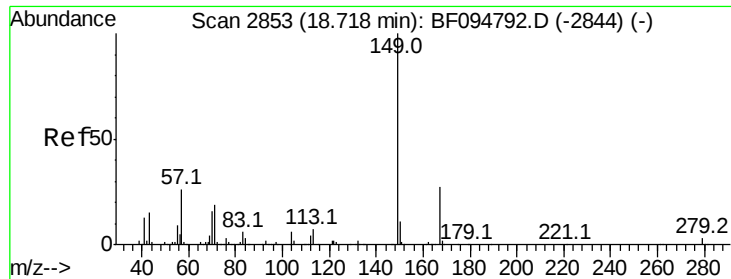
mohammad
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#82
Chrysene
Concen: 40.64 ng
RT: 18.74 min Scan# 2856
Delta R.T. 0.05 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	21.2	15.8	23.6





#83

Bis(2-ethylhexyl)phthalate

Concen: 5.12 ng

RT: 18.75 min Scan# 2859

Delta R.T. 0.04 min

Lab File: BF095144.D

Acq: 16 May 2017 1:08

Instrument :

BNA_F

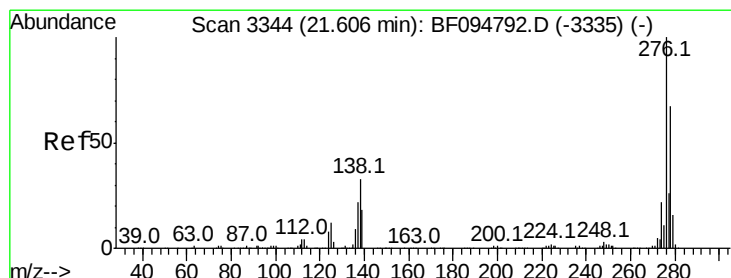
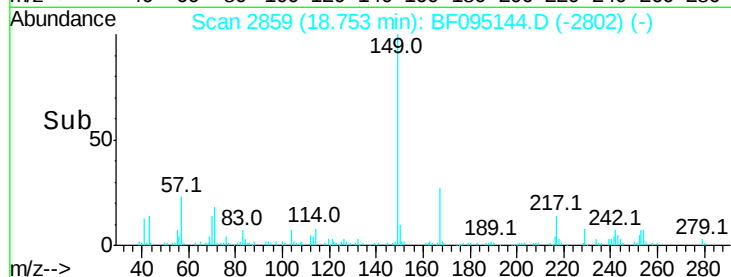
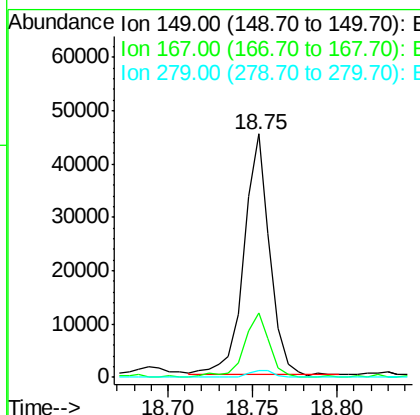
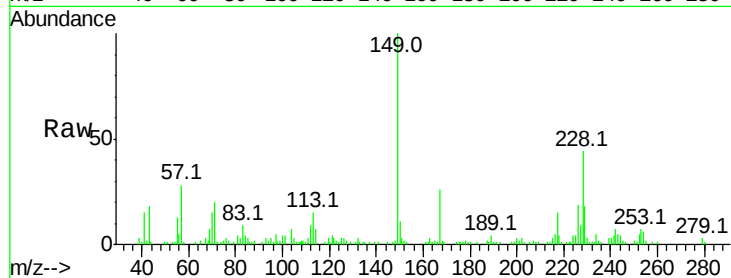
ClientSampleId :

TP-25-6

Tot Ion:	149	Resp:	47353
Ion Ratio	Lower	Upper	
149	100		
167	26.4	21.0	31.4
279	2.8	1.9	2.9

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 19.03 ng

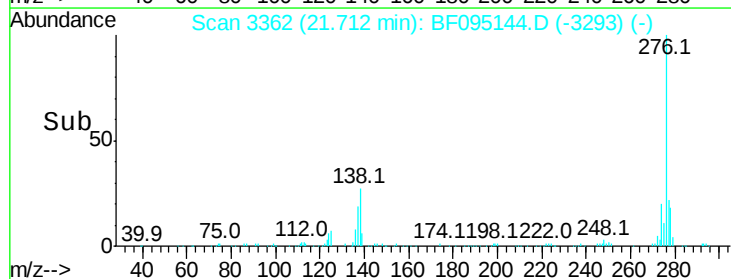
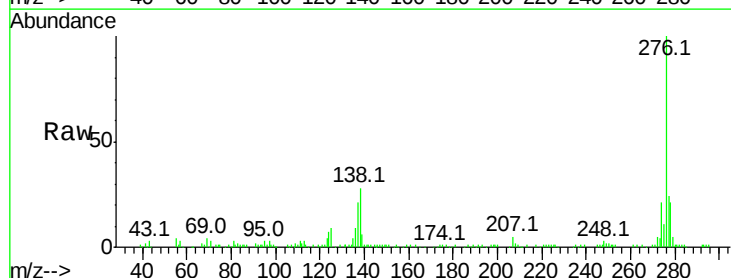
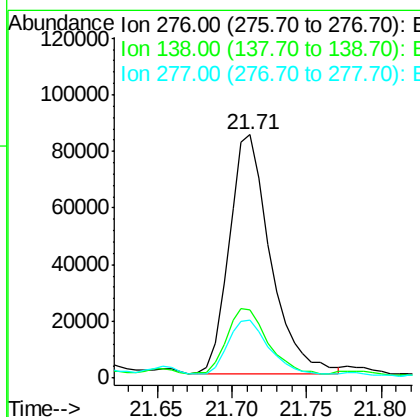
RT: 21.71 min Scan# 3362

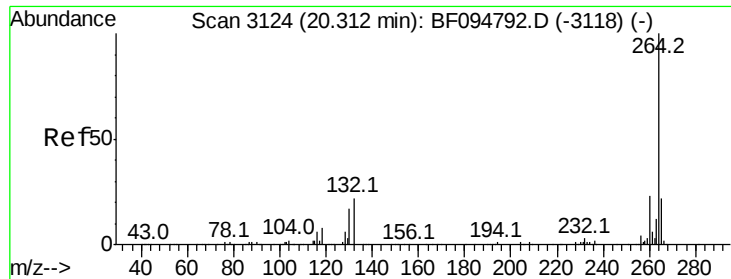
Delta R.T. 0.11 min

Lab File: BF095144.D

Acq: 16 May 2017 1:08

Tgt Ion:	276	Resp:	162166
Ion Ratio	Lower	Upper	
276	100		
138	29.0	27.8	41.6
277	23.2	20.2	30.4





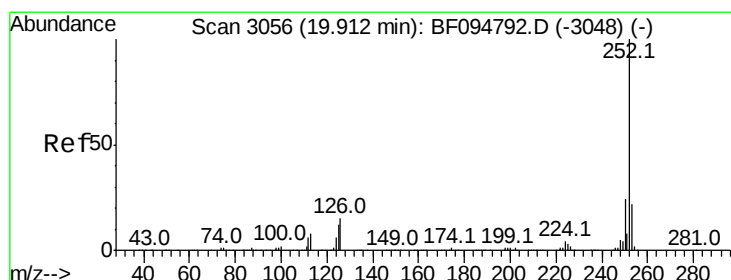
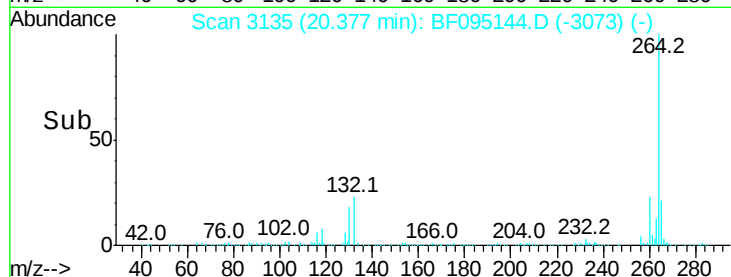
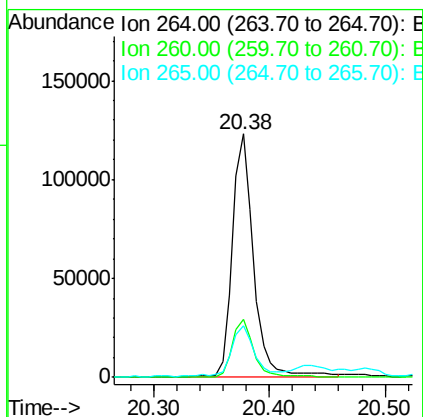
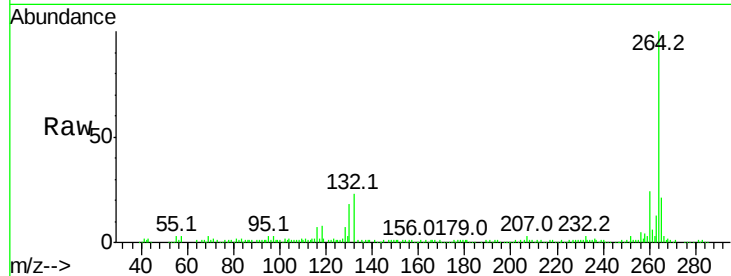
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.38 min Scan# 3135
Delta R.T. 0.06 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Instrument :
BNA_F
ClientSampleId :
TP-25-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.2	17.2	25.8

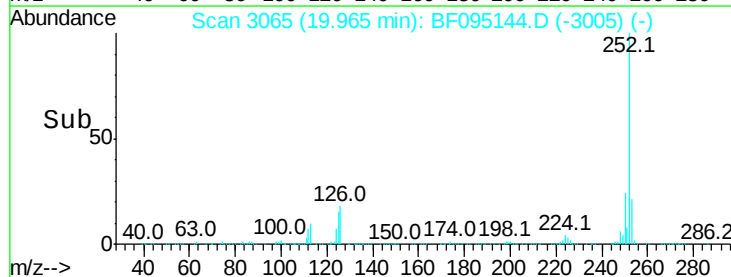
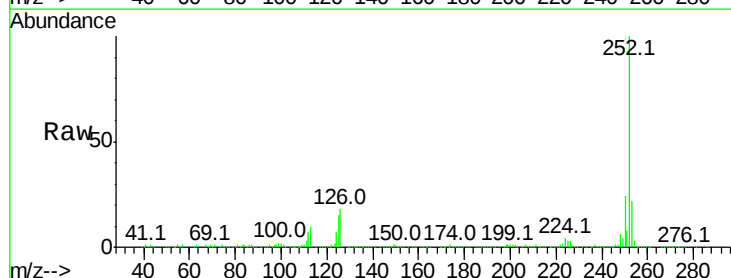
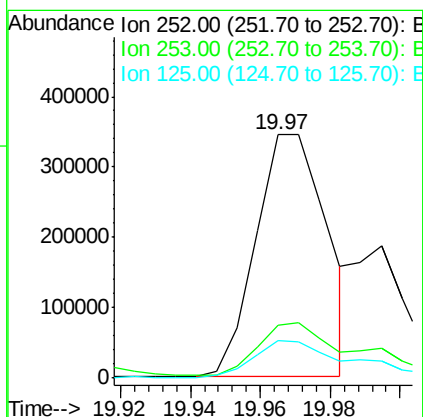
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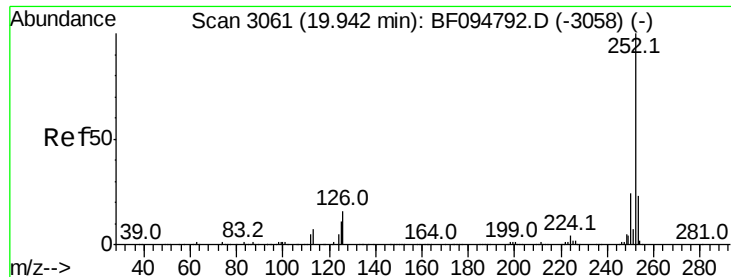
mohammad
5/17/2017 2:20:38 PM



#87
Benzo(b)fluoranthene
Concen: 50.03 ng m
RT: 19.97 min Scan# 3065
Delta R.T. 0.05 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	15.3	9.8	14.8





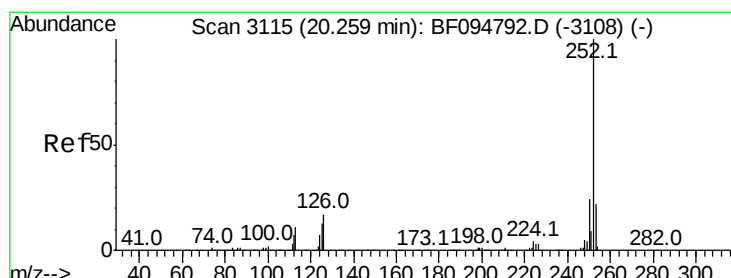
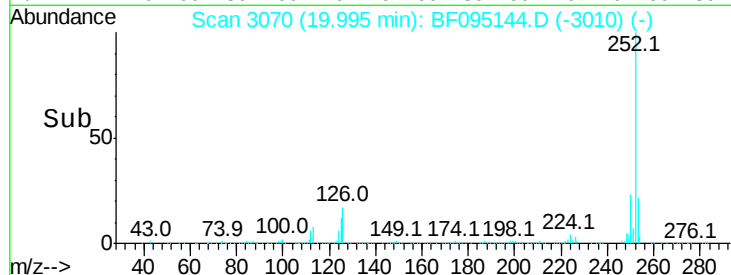
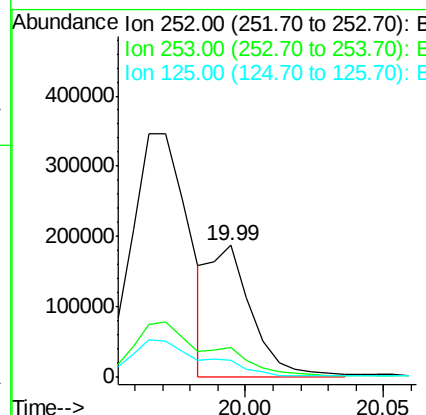
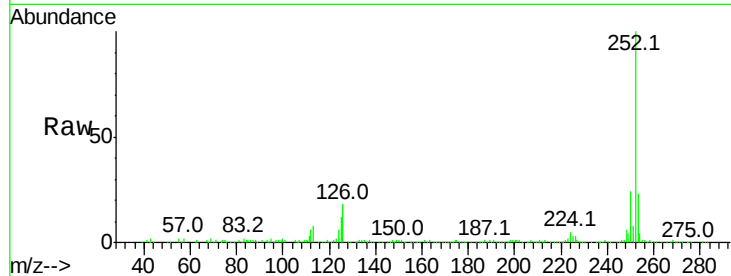
#88
Benzo(k)fluoranthene
Concen: 20.87 ng m
RT: 19.99 min Scan# 3070
Delta R.T. 0.05 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Instrument :
BNA_F
ClientSampled :
TP-25-6

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.5	18.4	27.6
125	12.5	13.1	19.7

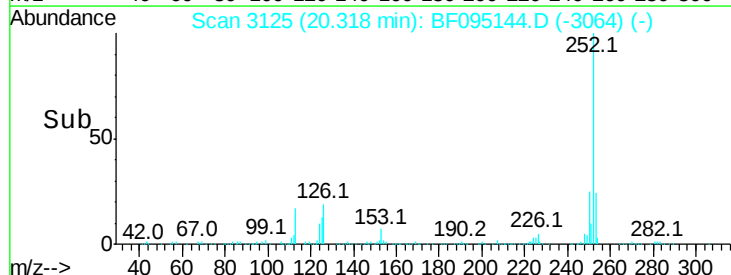
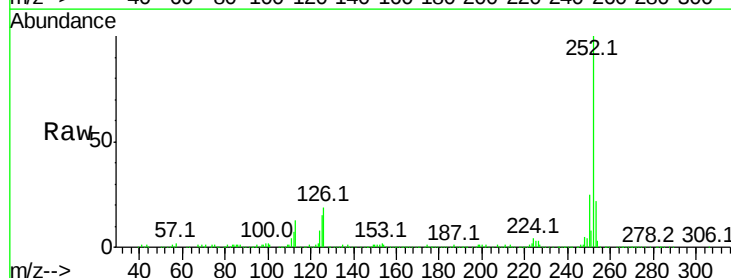
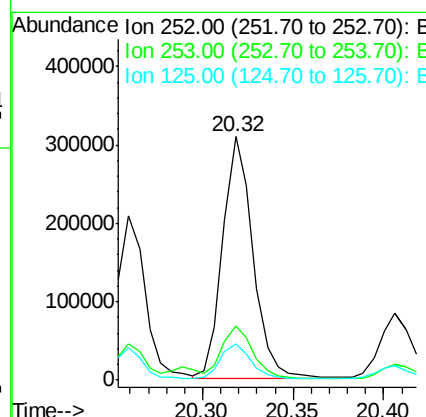
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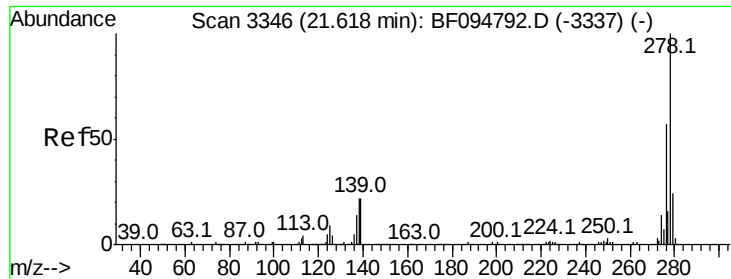
mohammad
5/17/2017 2:20:38 PM



#89
Benzo(a)pyrene
Concen: 40.36 ng
RT: 20.32 min Scan# 3125
Delta R.T. 0.06 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.5	26.3
125	15.0	11.0	16.4





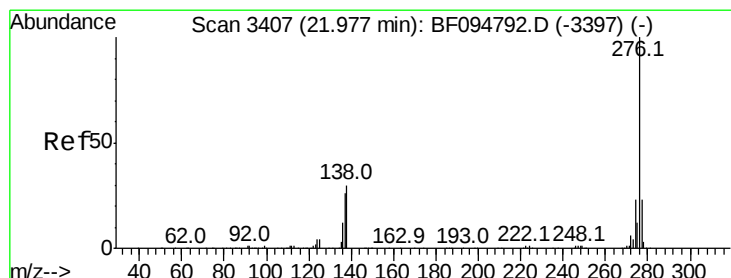
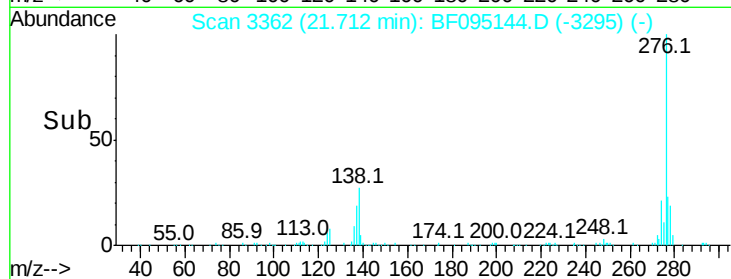
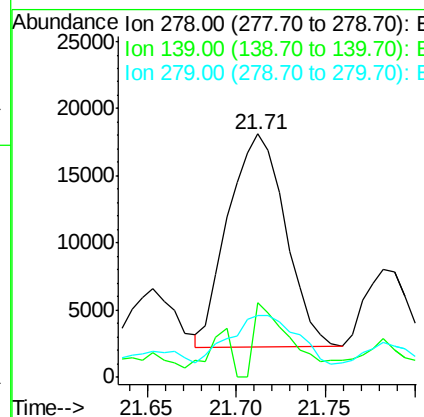
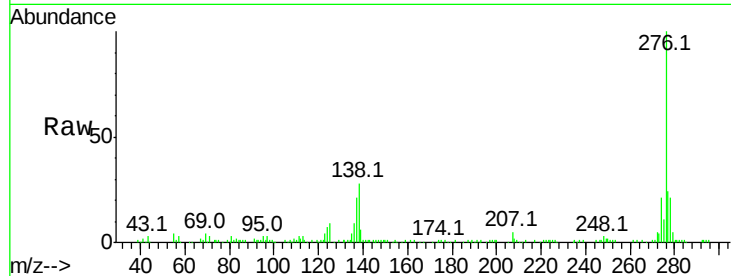
#90
Dibenzo(a,h)anthracene
Concen: 4.75 ng/mL
RT: 21.71 min Scan# 3362
Delta R.T. 0.09 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Instrument :
BNA_F
ClientSampleID :
TP-25-6

Tot Ion	Ratio	Lower	Upper
278	100		
139	30.6	16.6	24.8
279	25.6	19.3	28.9

Manual Integrations
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5/17/2017 2:20:38 PM



#91
Benzo(g,h,i)perylene
Concen: 20.99 ng/mL
RT: 22.10 min Scan# 3428
Delta R.T. 0.12 min
Lab File: BF095144.D
Acq: 16 May 2017 1:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	29.2	25.4	38.0

