

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
 Data File : BF095203.D
 Acq On : 18 May 2017 00:57
 Operator : SJ/MA
 Sample : I3172-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Manual Integrations
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Quant Time: May 18 06:46:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 04:48:06 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	92446	20.00	ng	0.00
21) Naphthalene-d8	9.79	136	368715	20.00	ng	0.00
38) Acenaphthene-d10	12.62	164	164089	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	261780	20.00	ng	0.00
75) Chrysene-d12	18.69	240	175635	20.00	ng	0.00
86) Perylene-d12	20.37	264	173137	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.74	112	791258	142.70	ng	0.00
7) Phenol-d6	7.32	99	1035435	155.63	ng	0.00
23) Nitrobenzene-d5	8.67	82	588525	100.65	ng	0.00
41) 2,4,6-Tribromophenol	13.92	330	176798	131.56	ng	0.00
44) 2-Fluorobiphenyl	11.56	172	1031872	90.51	ng	0.00
78) Terphenyl-d14	17.34	244	649490	81.45	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	12.25	163	192060	14.26	ng	99
51) Acenaphthene	12.67	154	42004	4.02	ng	98
54) Dibenzofuran	12.97	168	42522	2.94	ng	# 96
57) Fluorene	13.52	166	76188	6.07	ng	99
70) Phenanthrene	15.06	178	857177	56.99	ng	98
71) Anthracene	15.14	178	314593	20.48	ng	97
72) Carbazole	15.44	167	28064	2.01	ng	93
74) Fluoranthene	16.81	202	1287134	83.42	ng	99
77) Pyrene	17.11	202	1115985	84.96	ng	97
80) Benzo(a)anthracene	18.68	228	540372	52.86	ng	100
82) Chrysene	18.73	228	469698	47.52	ng	97
85) Indeno(1,2,3-cd)pyrene	21.70	276	164226	20.46	ng	93
87) Benzo(b)fluoranthene	19.97	252	543767m	50.83	ng	
88) Benzo(k)fluoranthene	19.99	252	233831m	22.66	ng	
89) Benzo(a)pyrene	20.31	252	398813	40.40	ng	97
90) Dibenzo(a,h)anthracene	21.70	278	39001m	4.78	ng	
91) Benzo(a,h,i)perylene	22.09	276	159564	19.94	ng	95

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

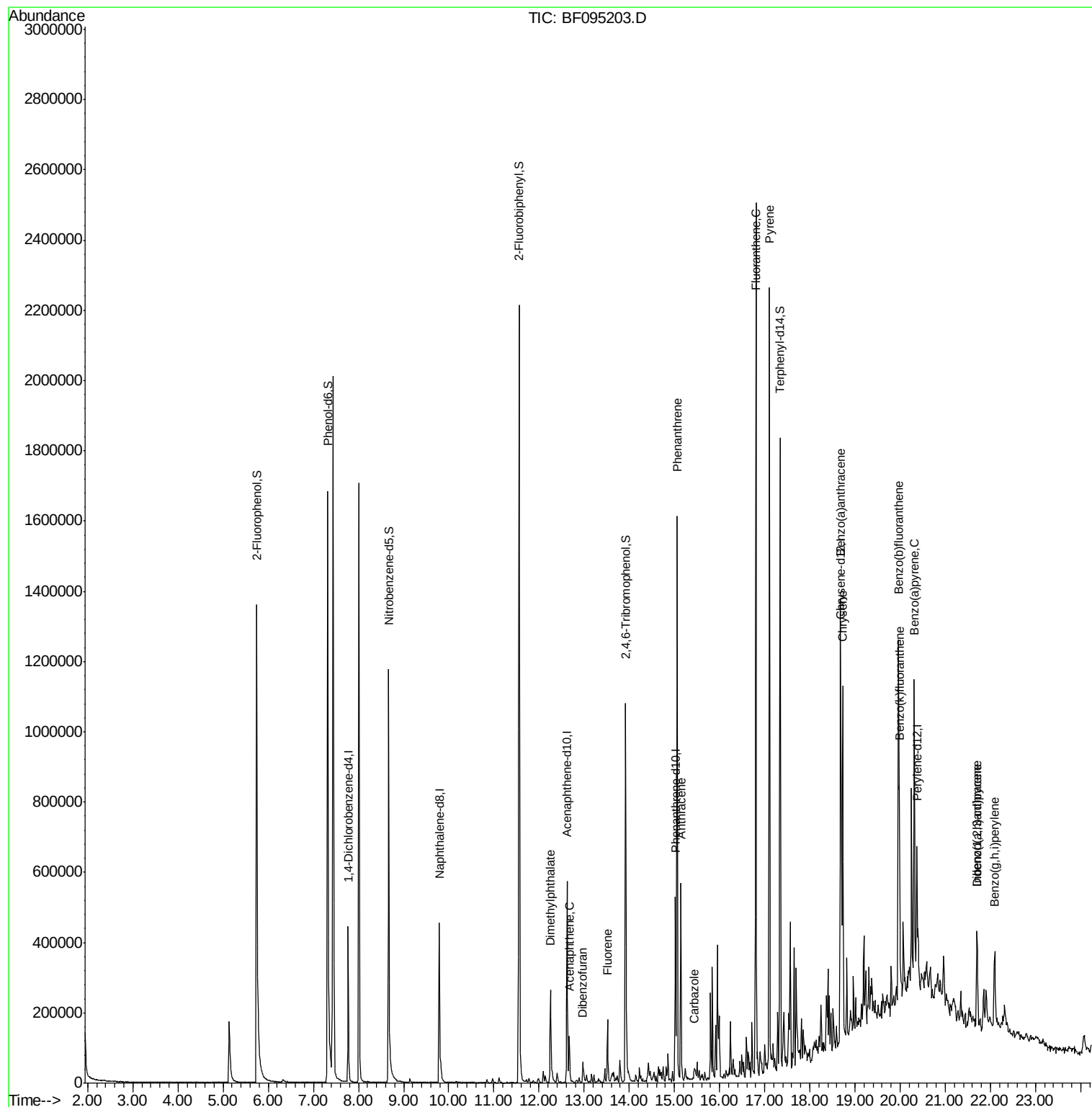
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095203.D
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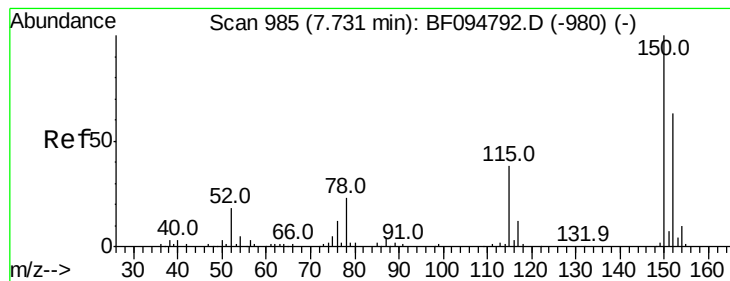
Instrument :
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#1

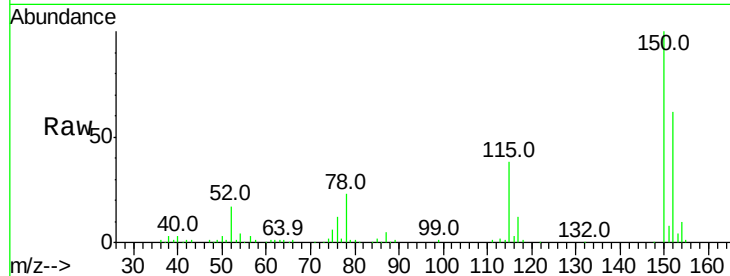
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.77 min Scan# 992
Delta R.T. 0.00 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Instrument :
BNA_F
ClientSampleId :
SS-02

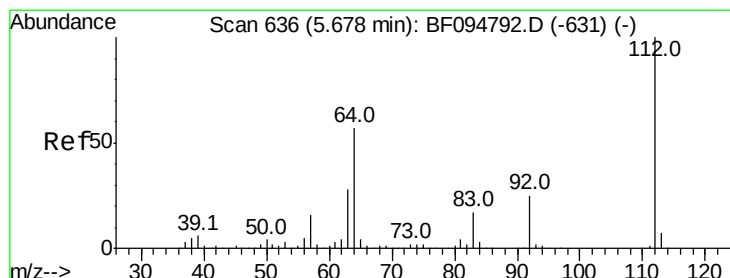
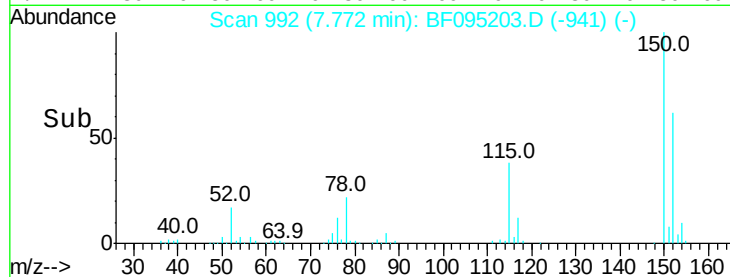
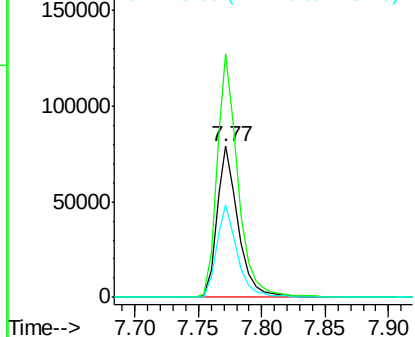
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	126.2	189.2
115	61.2	52.2	78.2

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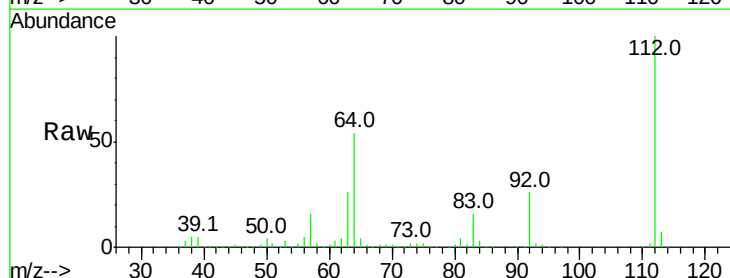
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



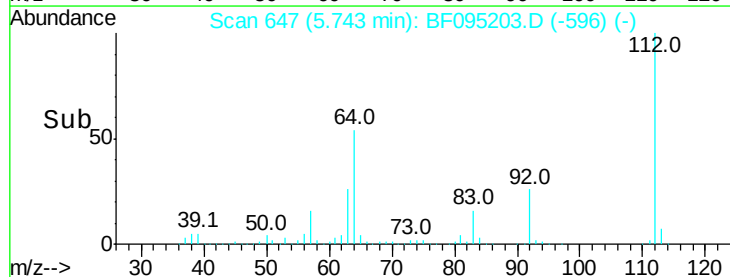
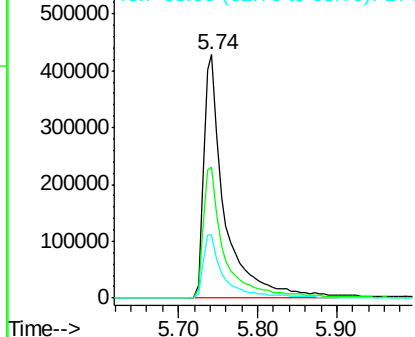
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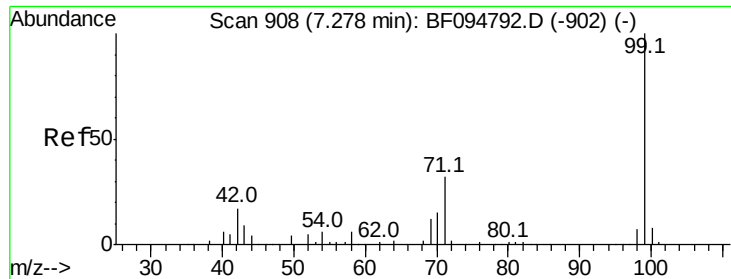
2-Fluorophenol
Concen: 142.70 ng
RT: 5.74 min Scan# 647
Delta R.T. 0.00 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	46.0	69.0
63	25.7	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: 155.63 ng

RT: 7.32 min Scan# 915

Delta R.T. 0.01 min

Lab File: BF095203.D

Acq: 18 May 2017 00:57

Instrument :

BNA_F

ClientSampled :

SS-02

Tot Ion: 99 Resp: 1035435

Ion Ratio Lower Upper

99 100

42 15.4 13.5 20.3

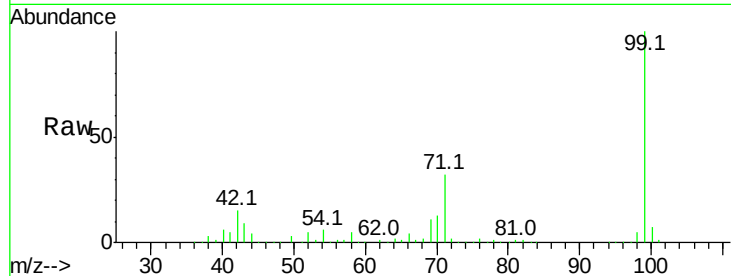
71 31.8 24.5 36.7

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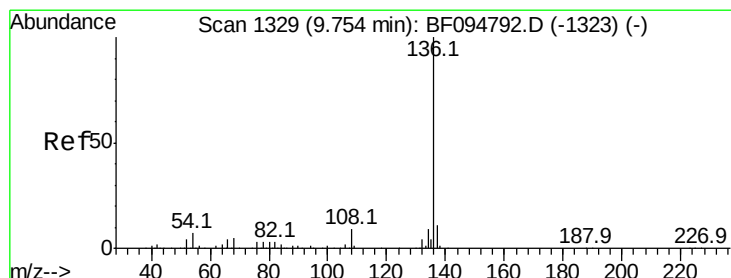
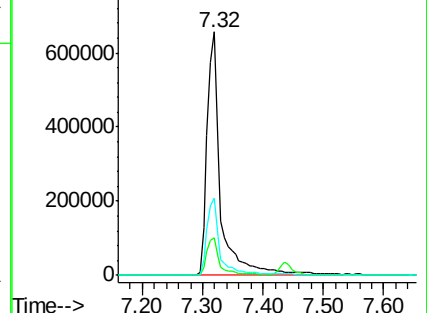
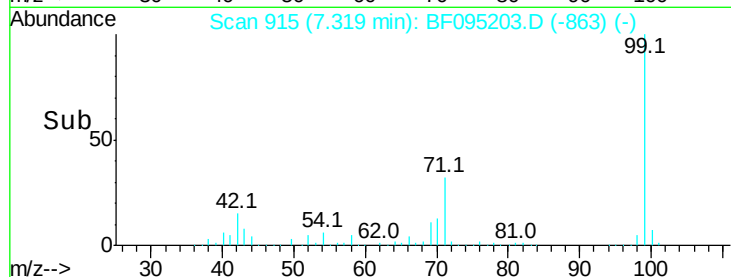
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.00 min

Lab File: BF095203.D

Acq: 18 May 2017 00:57

Tgt Ion: 136 Resp: 368715

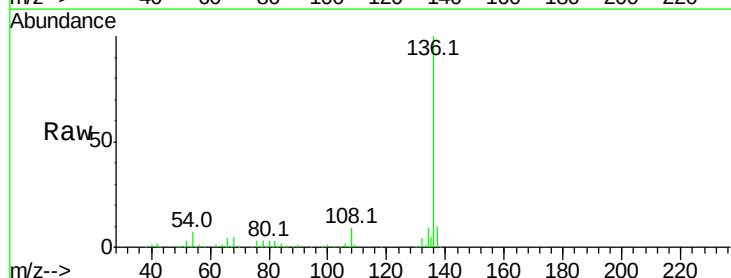
Ion Ratio Lower Upper

136 100

137 10.0 8.5 12.7

54 6.6 4.9 7.3

68 5.4 4.1 6.1

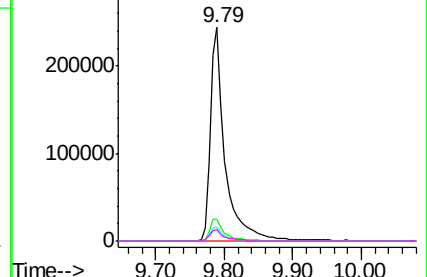
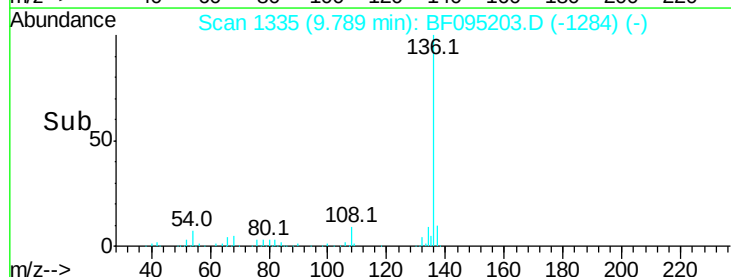


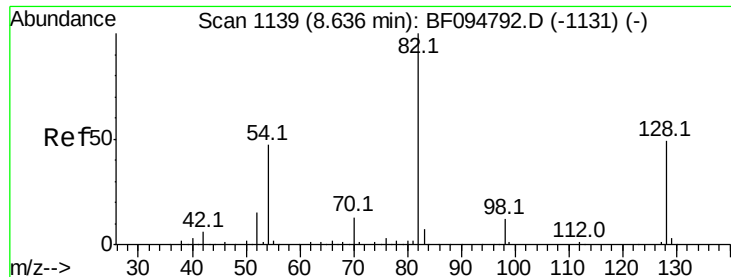
Abundance Ion 136.00 (135.70 to 136.70): E

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





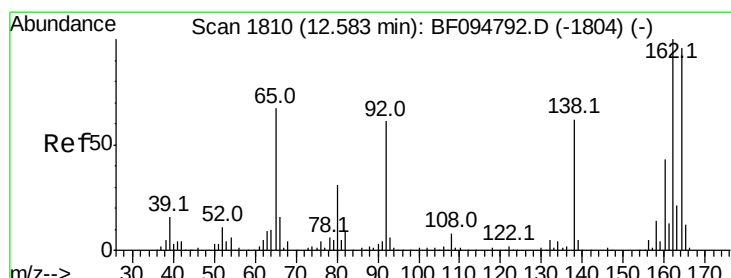
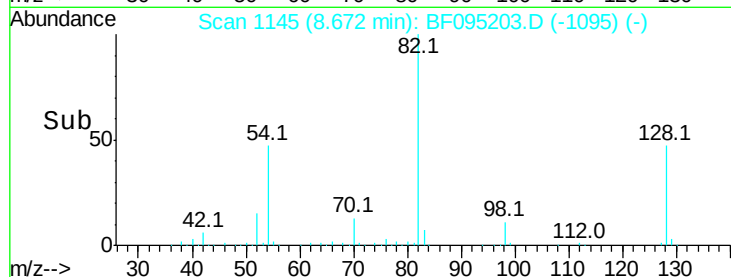
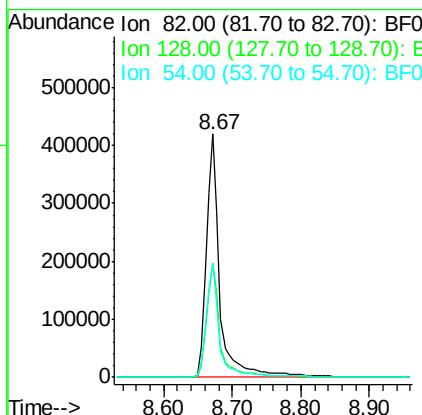
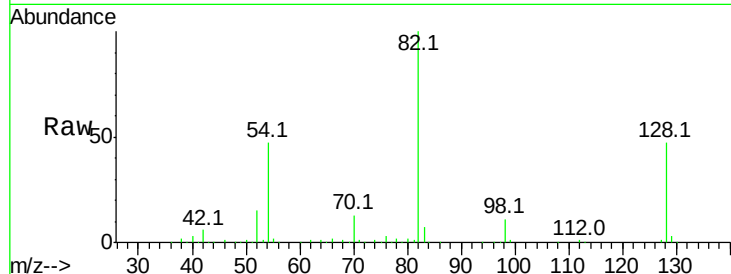
#23
Nitrobenzene-d5
Concen: 100.65 ng
RT: 8.67 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Instrument :
BNA_F
ClientSampled :
SS-02

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	34.0	51.0	
54	46.8	42.2	63.2	

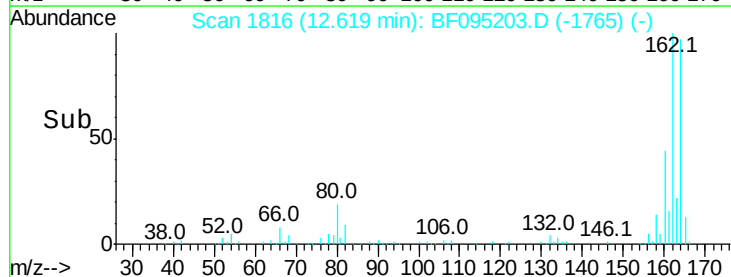
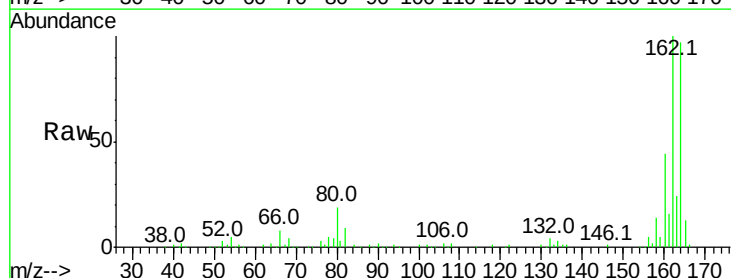
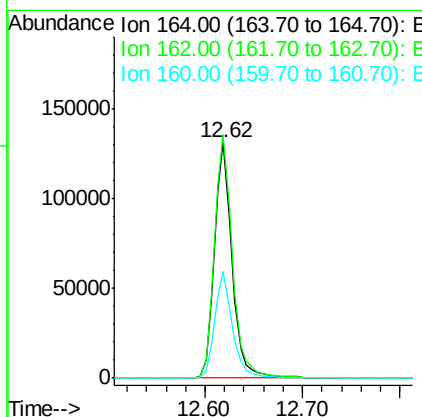
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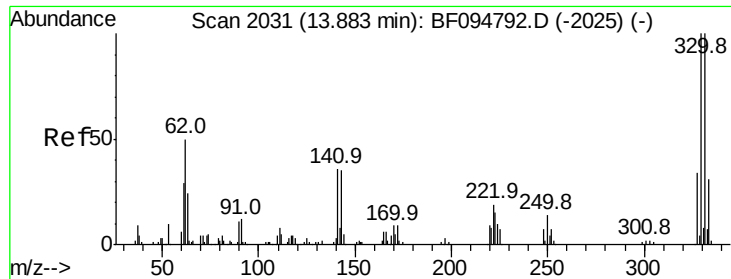
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.62 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.5	82.6	123.8	
160	45.1	36.2	54.2	





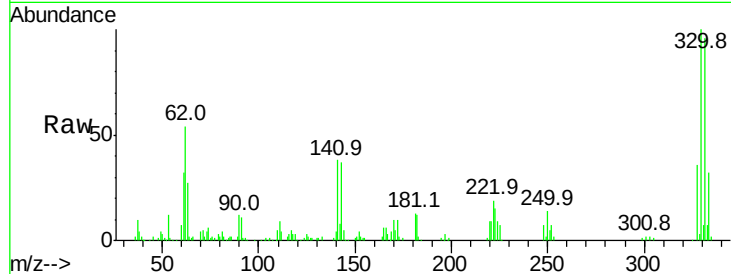
#41
 2,4,6-Tribromophenol
 Concen: 131.56 ng
 RT: 13.92 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF095203.D
 Acq: 18 May 2017 00:57

Instrument :
 BNA_F
 ClientSampled :
 SS-02

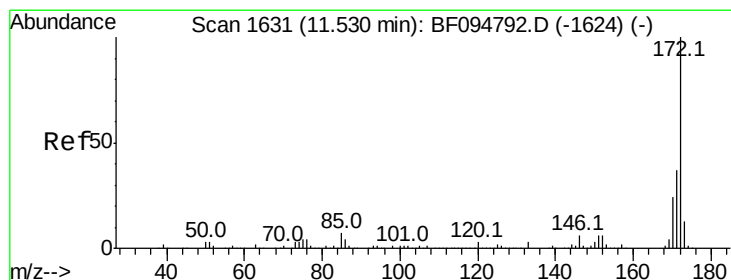
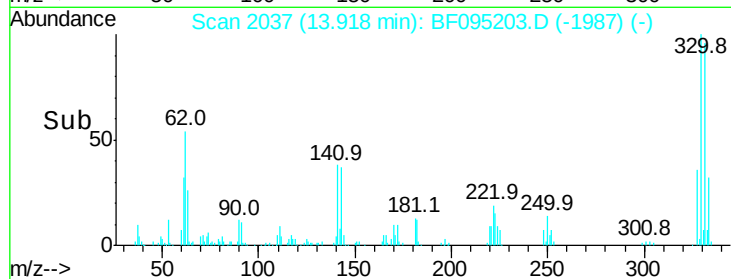
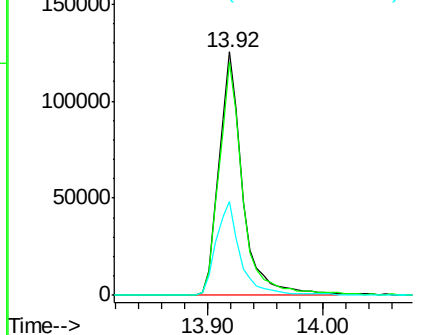
Tot Ion	Ratio	Resp	Lower	Upper
330	100	176798		
332	97.4	76.6	115.0	
141	40.4	31.4	47.2	

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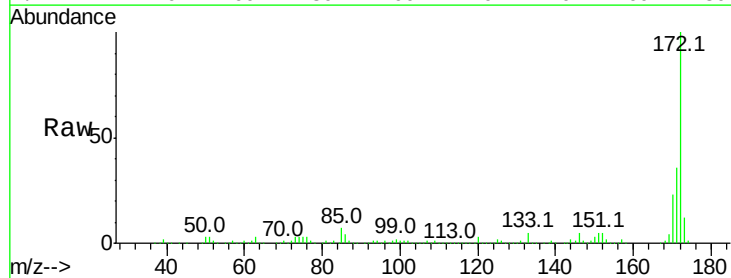


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

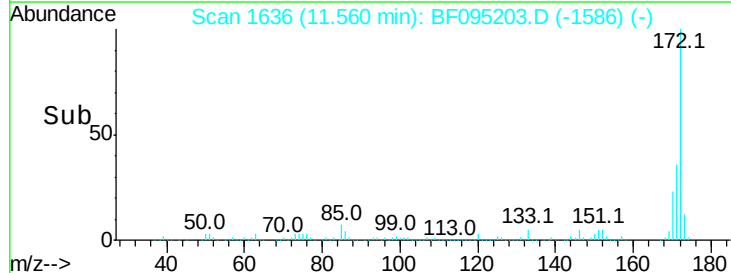
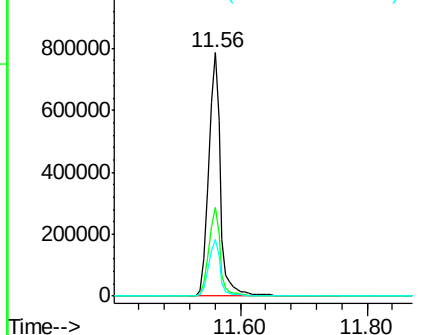


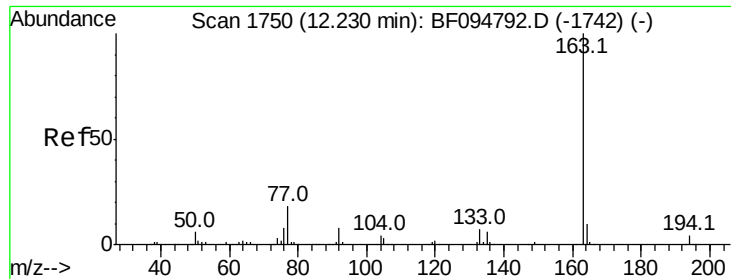
#44
 2-Fluorobiphenyl
 Concen: 90.51 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. -0.01 min
 Lab File: BF095203.D
 Acq: 18 May 2017 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1031872		
171	36.3	29.6	44.4	
170	23.1	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





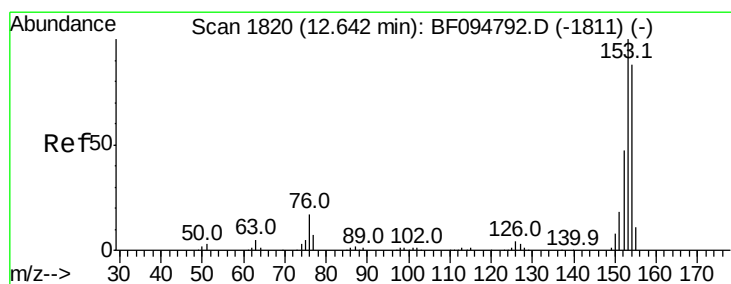
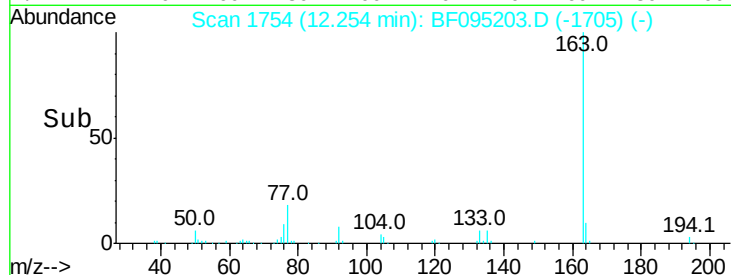
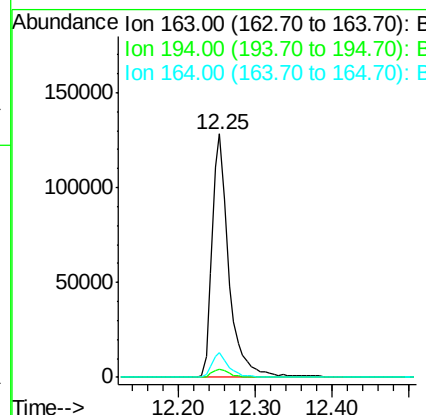
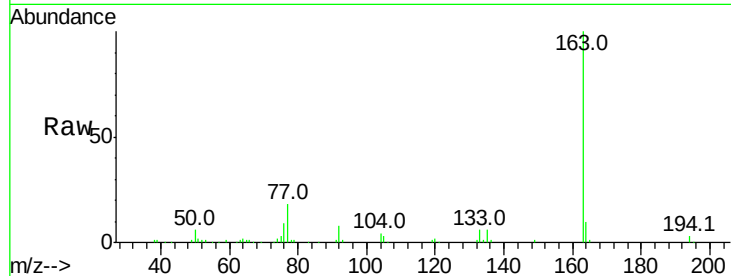
#49
Dimethylphthalate
Concen: 14.26 ng
RT: 12.25 min Scan# 1754
Delta R.T. -0.01 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Instrument :
BNA_F
ClientSampleId :
SS-02

Tot Ion	Ratio	Resp	Lower	Upper
163	100	192060		
194	3.4		2.6	4.0
164	10.2		8.4	12.6

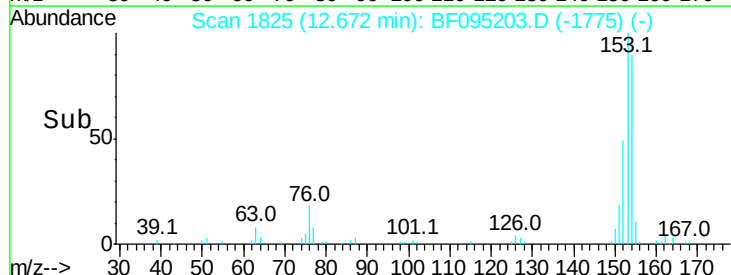
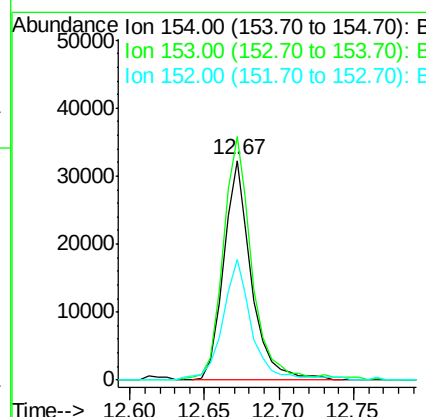
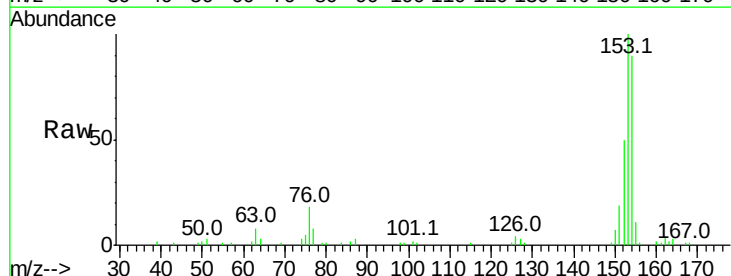
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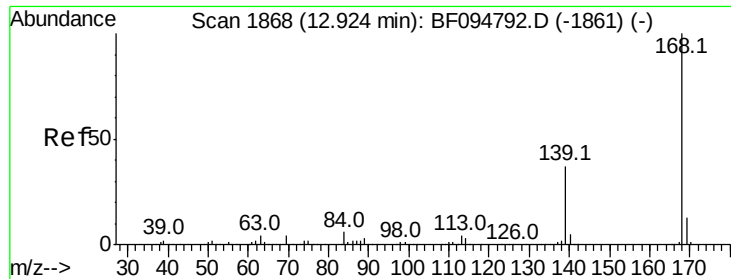
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#51
Acenaphthene
Concen: 4.02 ng
RT: 12.67 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	42004		
153	110.8		90.5	135.7
152	54.9		43.6	65.4





#54

Dibenzenofuran

Concen: 2.94 ng

RT: 12.97 min Scan# 1876

Delta R.T. 0.01 min

Lab File: BF095203.D

Acq: 18 May 2017 00:57

Instrument :

BNA_F

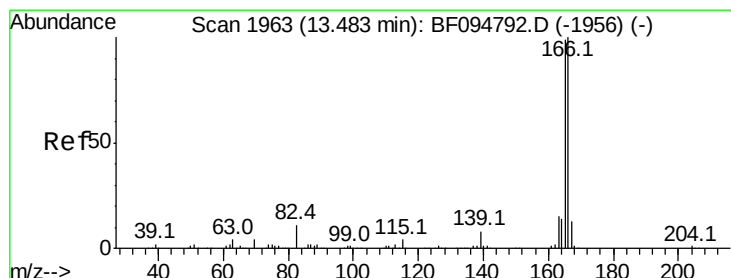
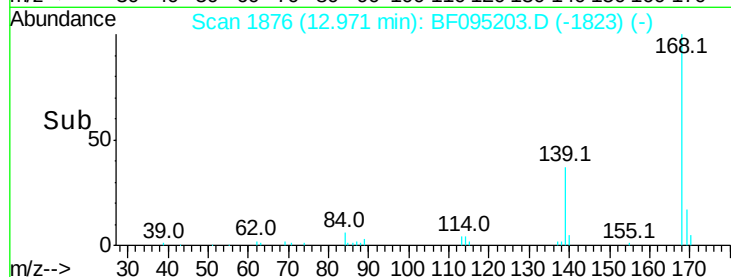
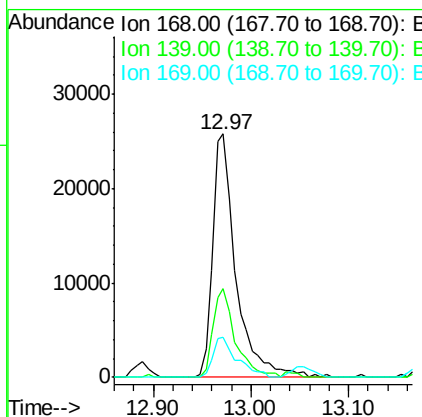
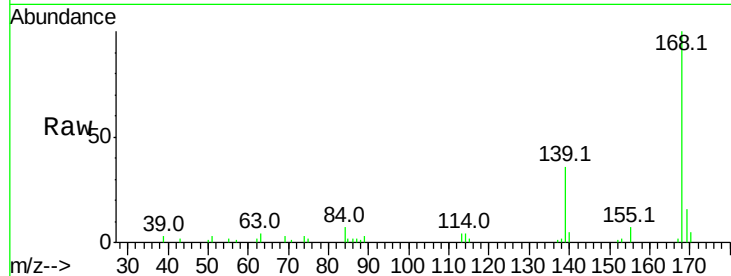
ClientSampleId :

SS-02

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.3	30.6	45.8
169	16.3	10.8	16.2

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#57

Fluorene

Concen: 6.07 ng

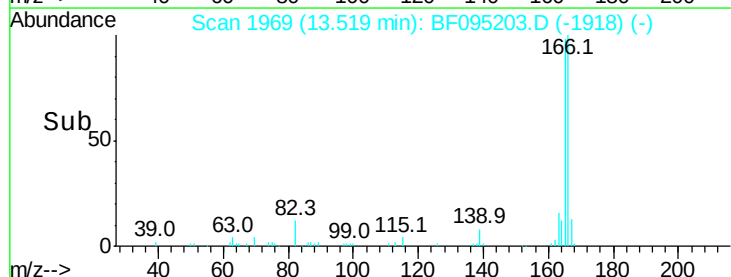
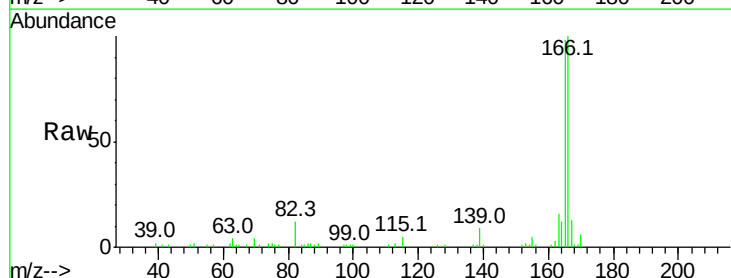
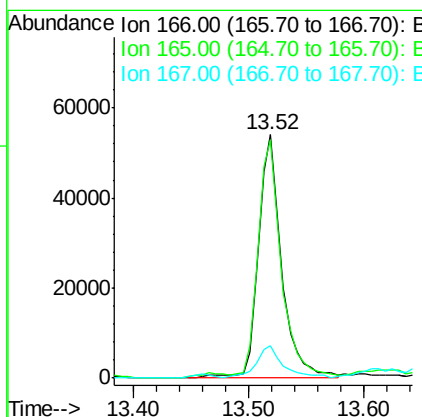
RT: 13.52 min Scan# 1969

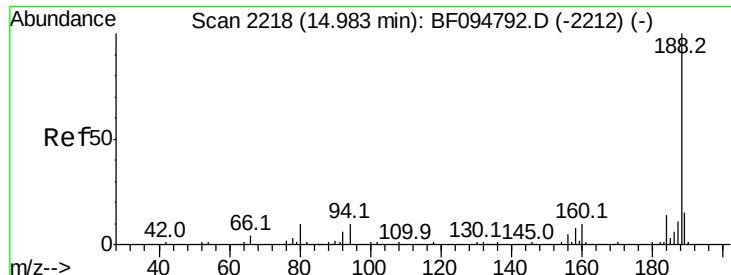
Delta R.T. 0.00 min

Lab File: BF095203.D

Acq: 18 May 2017 00:57

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.8	118.2
167	13.1	10.6	16.0





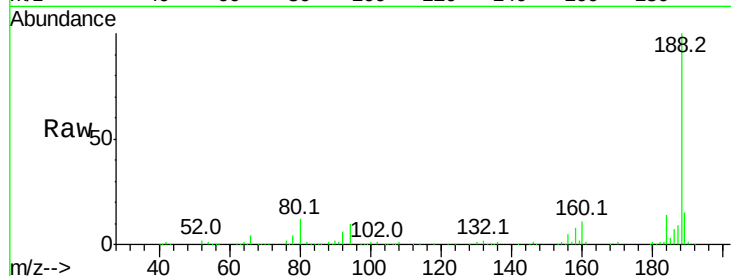
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF095203.D
 Acq: 18 May 2017 00:57

Instrument :
 BNA_F
 ClientSampled :
 SS-02

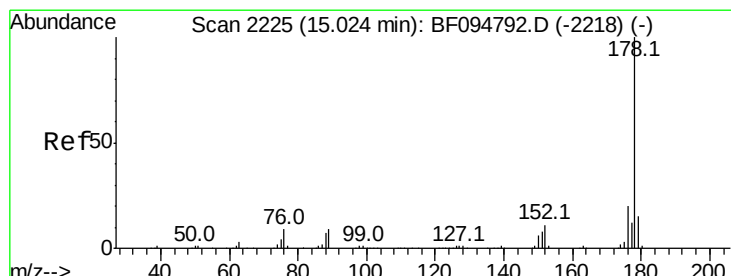
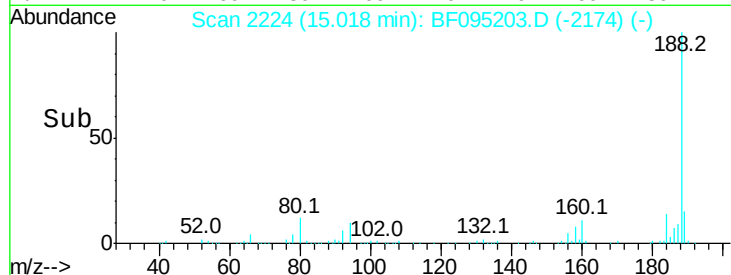
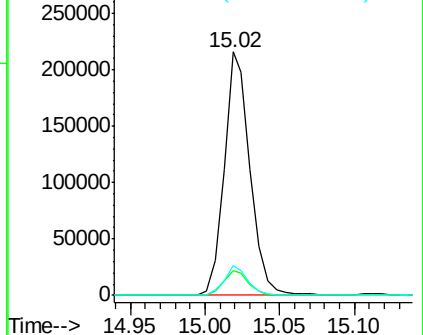
Tot Ion	Ratio	Resp	Lower	Upper
188	100	261780		
94	10.1		9.4	14.2
80	12.0		10.2	15.2

Manual Integrations
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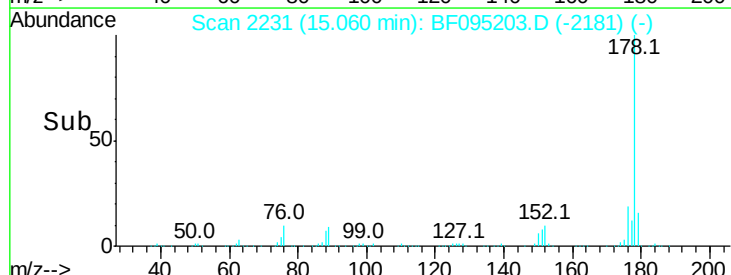
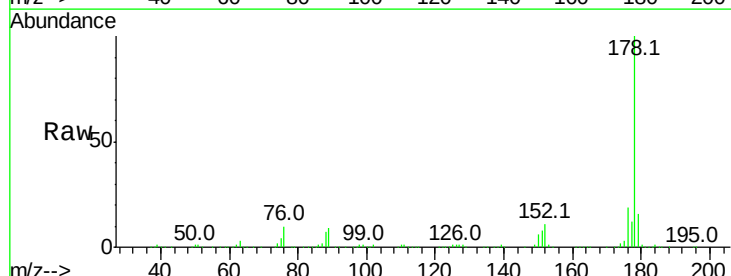
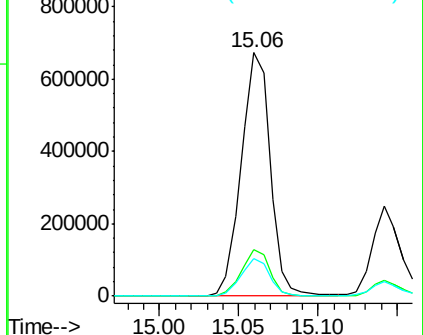
Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

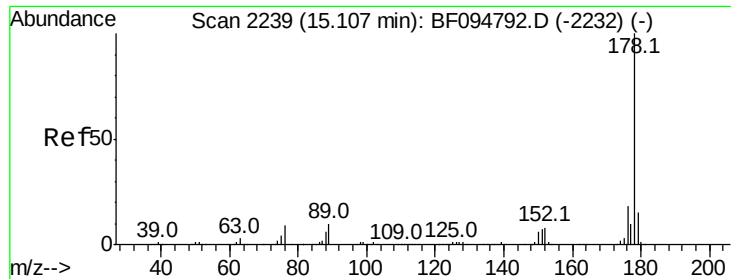


#70
 Phenanthrene
 Concen: 56.99 ng
 RT: 15.06 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BF095203.D
 Acq: 18 May 2017 00:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	857177		
176	19.0		16.2	24.4
179	15.6		12.6	19.0

Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





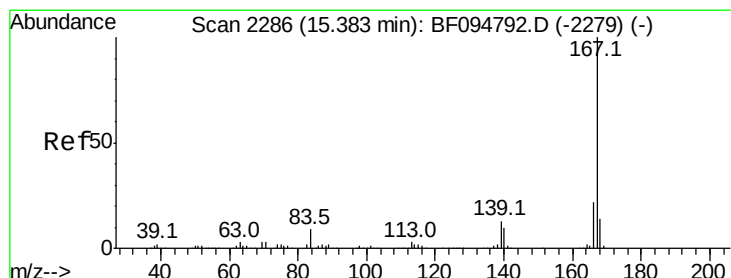
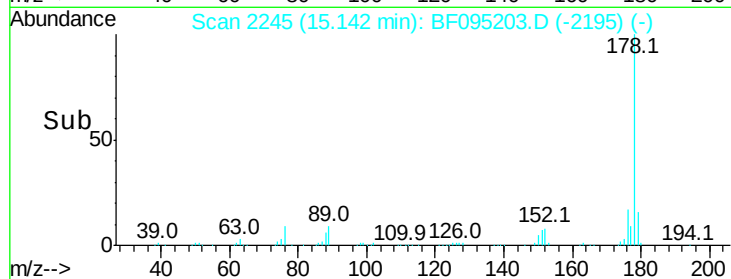
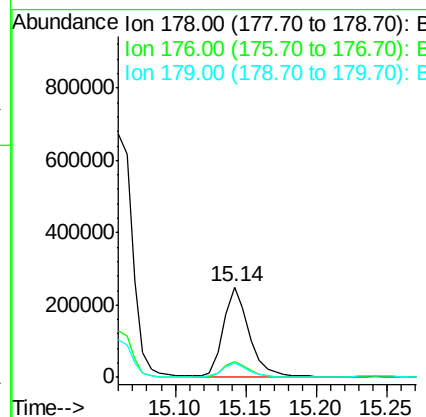
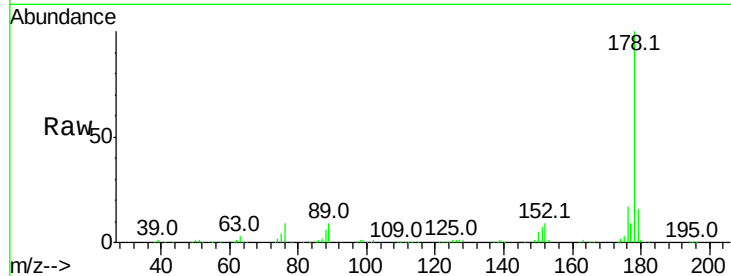
#71
 Anthracene
 Concen: 20.48 ng
 RT: 15.14 min Scan# 2245
 Delta R.T. -0.01 min
 Lab File: BF095203.D
 Acq: 18 May 2017 00:57

Instrument :
 BNA_F
 ClientSampled :
 SS-02

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.8	23.8
179	15.9	12.7	19.1

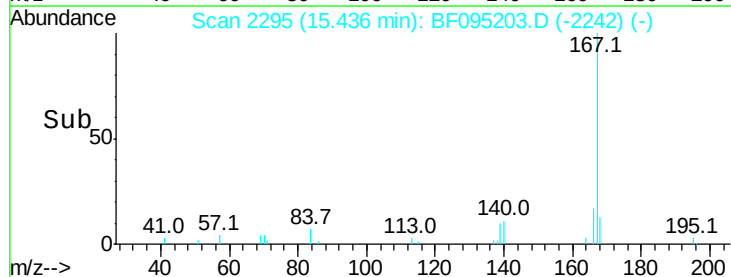
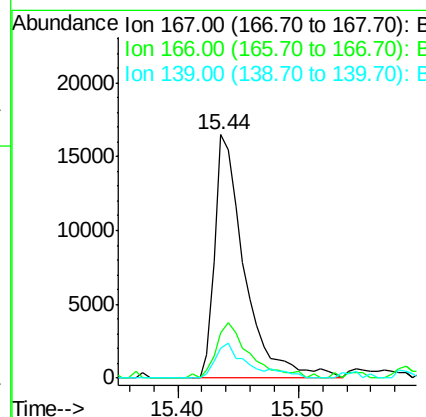
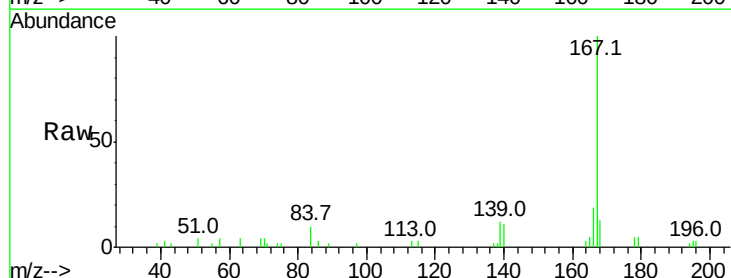
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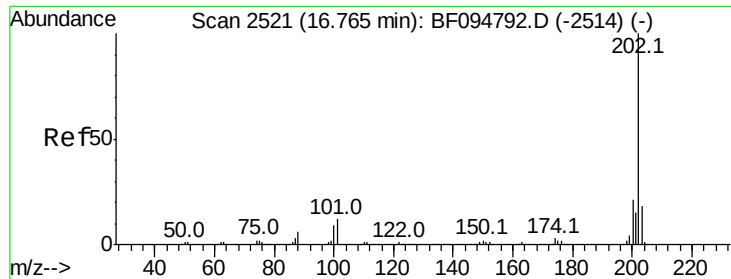
mohammad
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#72
 Carbazole
 Concen: 2.01 ng
 RT: 15.44 min Scan# 2295
 Delta R.T. 0.01 min
 Lab File: BF095203.D
 Acq: 18 May 2017 00:57

Tgt Ion	Ratio	Lower	Upper
167	100		
166	18.8	18.1	27.1
139	12.3	11.7	17.5





#74

Fluoranthene

Concen: 83.42 ng

RT: 16.81 min Scan# 2528

Delta R.T. 0.00 min

Lab File: BF095203.D

Acq: 18 May 2017 00:57

Instrument :

BNA_F

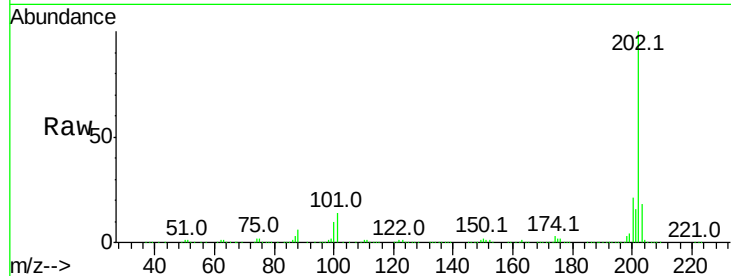
ClientSampled :

SS-02

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	33.2
203	17.7	0.0	38.1

Manual Integrations
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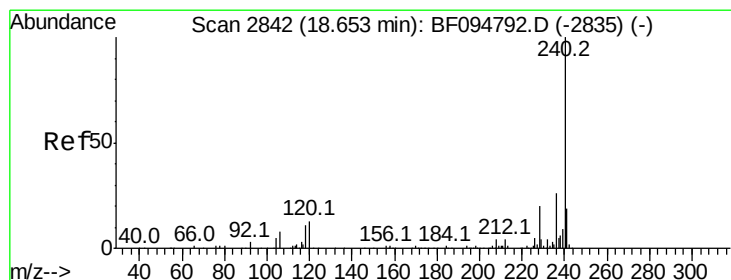
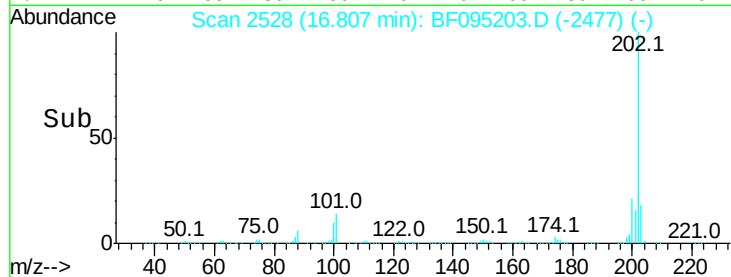
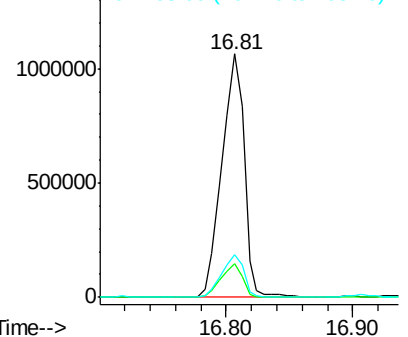
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.69 min Scan# 2849

Delta R.T. 0.00 min

Lab File: BF095203.D

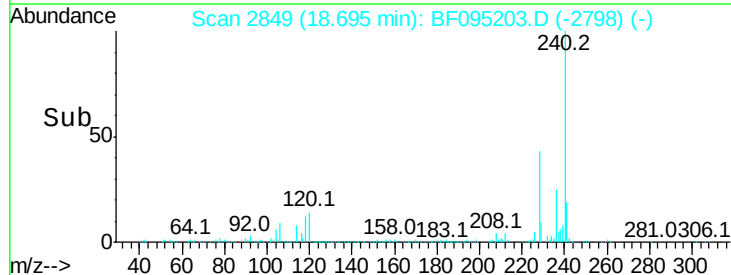
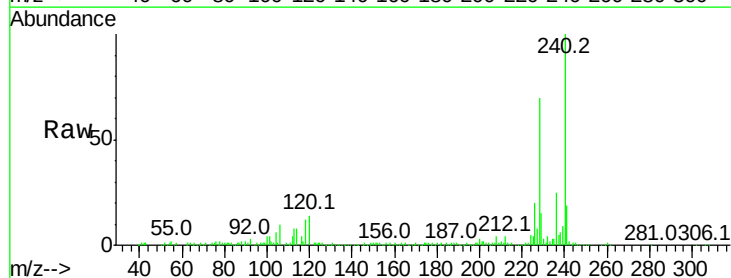
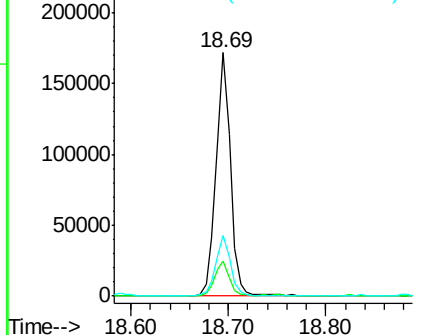
Acq: 18 May 2017 00:57

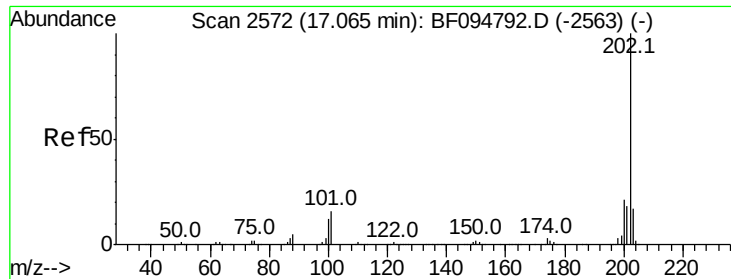
Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.1	5.8	8.8#
236	24.9	20.5	30.7

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





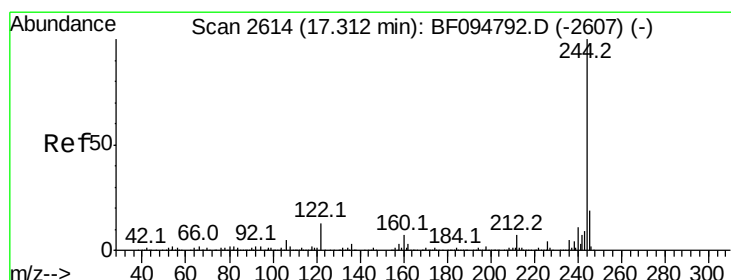
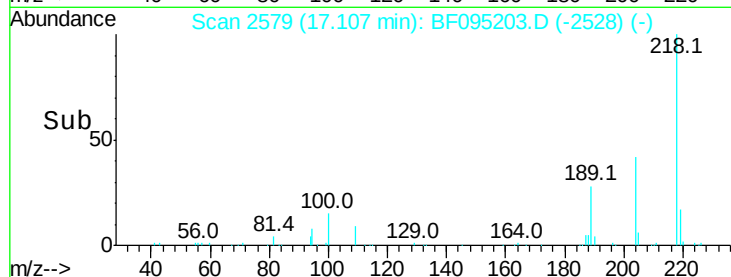
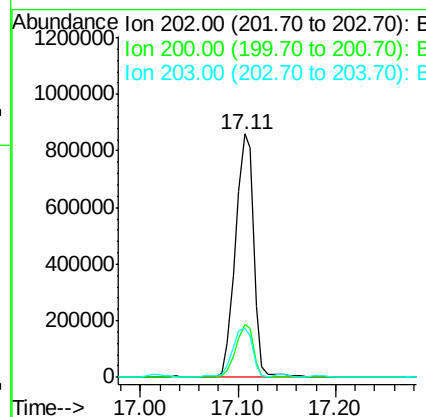
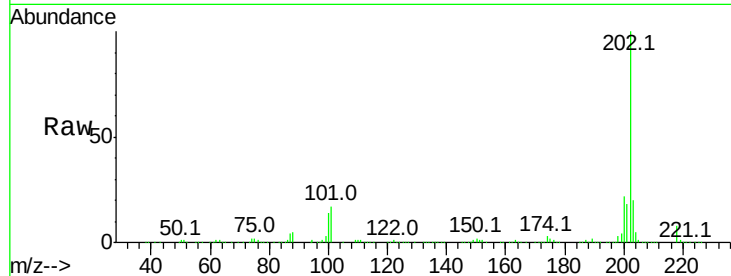
#77
Pvrene
Concen: 84.96 ng
RT: 17.11 min Scan# 2579
Delta R.T. 0.00 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Instrument :
BNA_F
ClientSampled :
SS-02

Tot Ion:202 Resp: 1115985
Ion Ratio Lower Upper
202 100
200 21.7 17.6 26.4
203 20.3 14.4 21.6

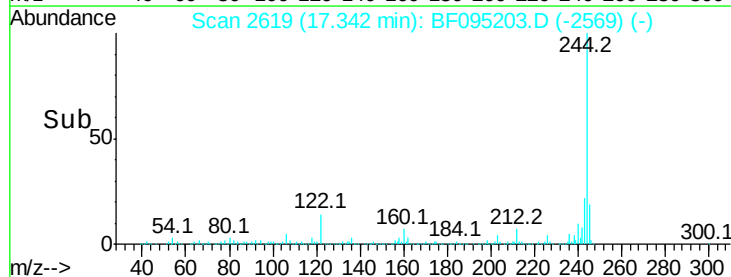
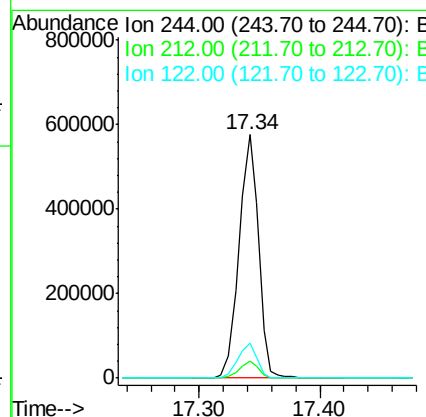
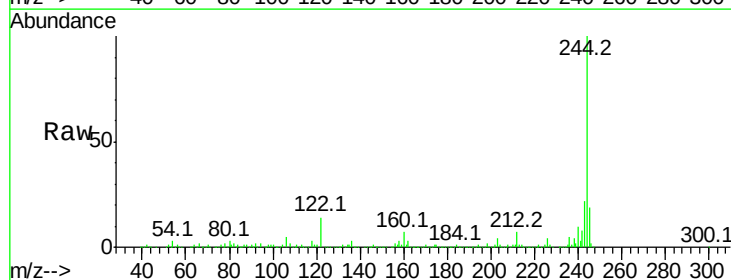
Manual Integrations
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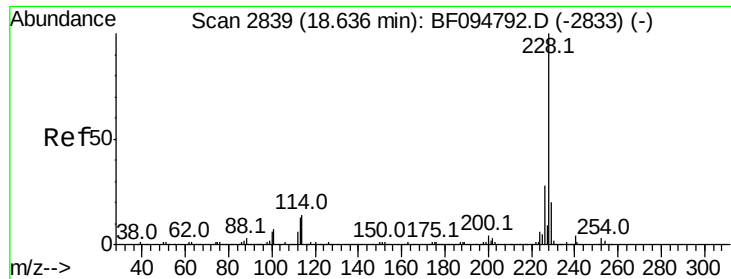
mohammad
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#78
Terphenyl-d14
Concen: 81.45 ng
RT: 17.34 min Scan# 2619
Delta R.T. -0.01 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Tgt Ion:244 Resp: 649490
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 14.4 10.3 15.5





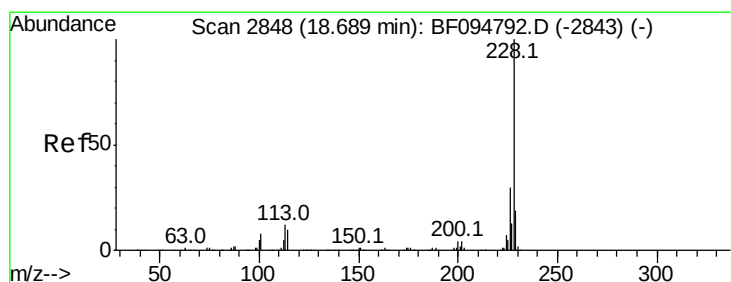
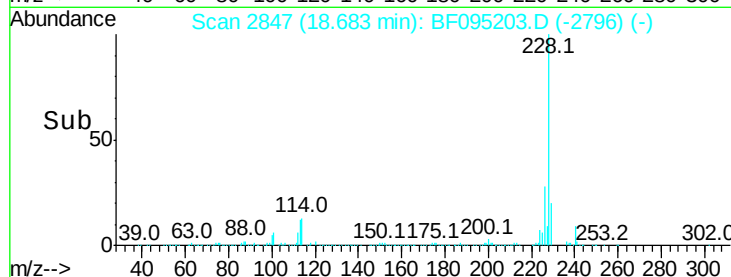
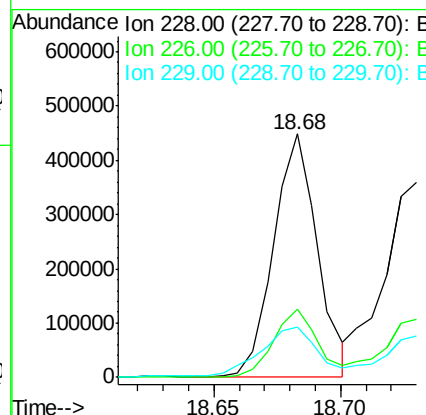
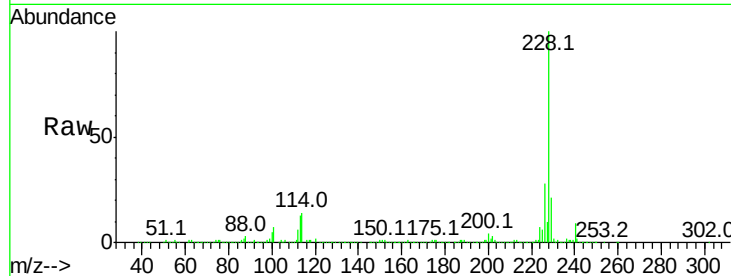
#80
Benzo(a)anthracene
Concen: 52.86 ng
RT: 18.68 min Scan# 2847
Delta R.T. 0.00 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Instrument :
BNA_F
ClientSampleId :
SS-02

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.7	16.3	24.5

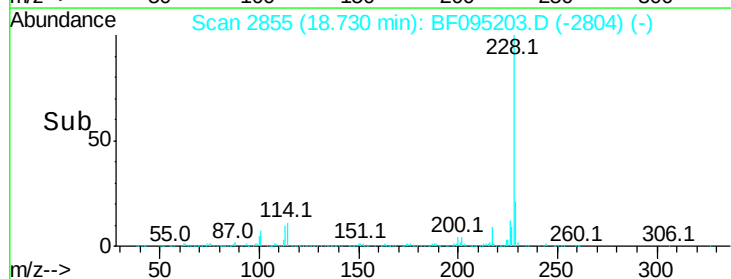
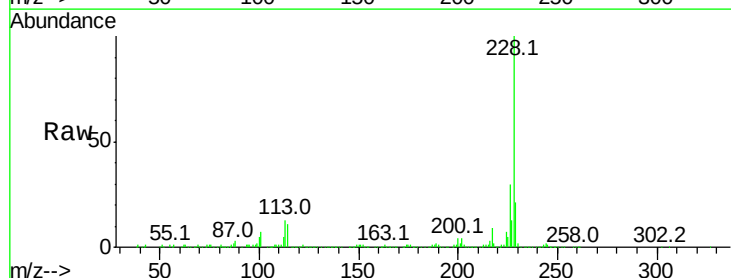
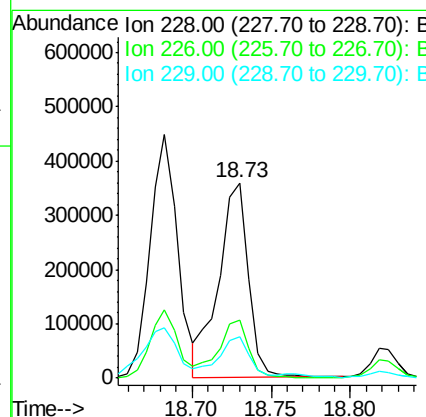
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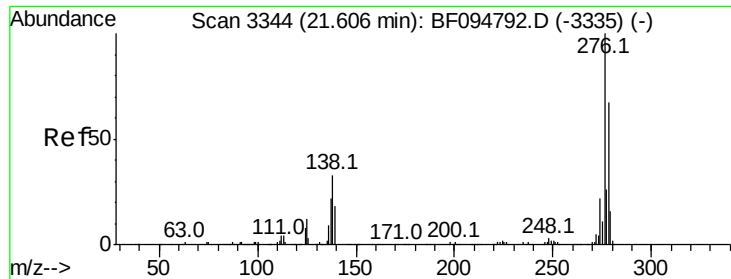
mohammad
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#82
Chrysene
Concen: 47.52 ng
RT: 18.73 min Scan# 2855
Delta R.T. -0.00 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	21.1	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 20.46 ng

RT: 21.70 min Scan# 3360

Delta R.T. 0.01 min

Lab File: BF095203.D

Acq: 18 May 2017 00:57

Instrument :

BNA_F

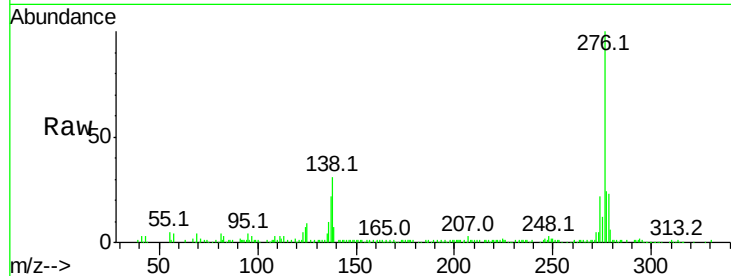
ClientSampleId :

SS-02

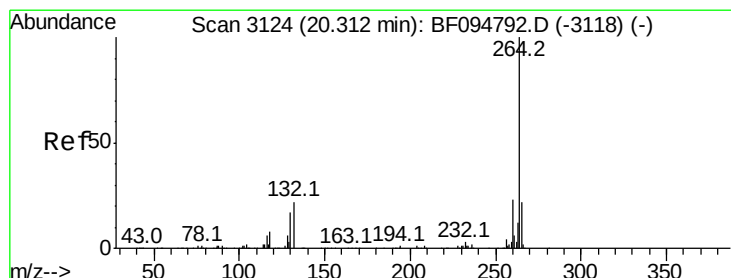
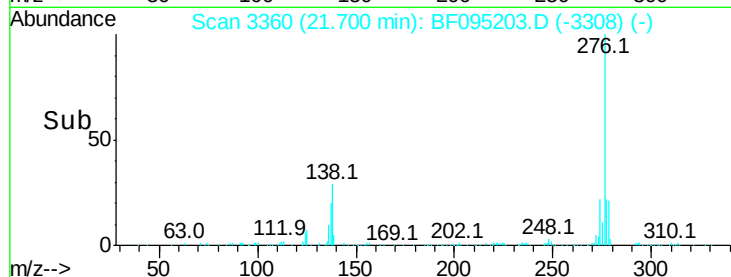
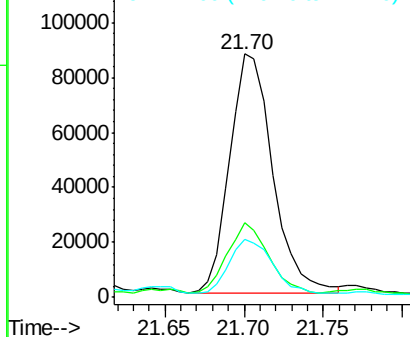
Tot Ion:	276	Resp:	164226
Ion Ratio	Lower	Upper	
276	100		
138	29.5	27.8	41.6
277	23.2	20.2	30.4

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

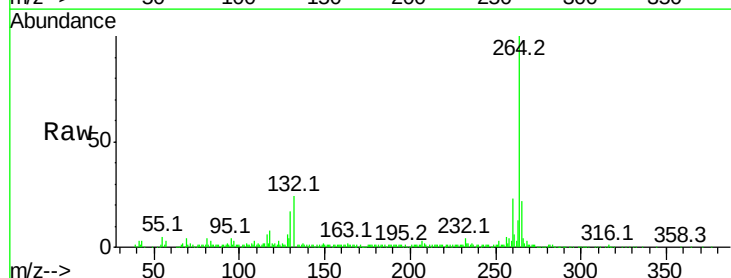
RT: 20.37 min Scan# 3134

Delta R.T. -0.00 min

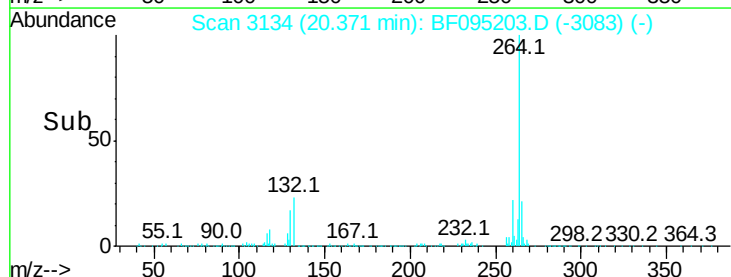
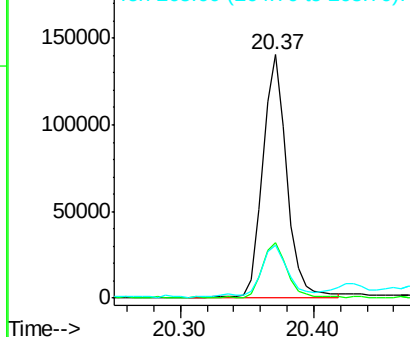
Lab File: BF095203.D

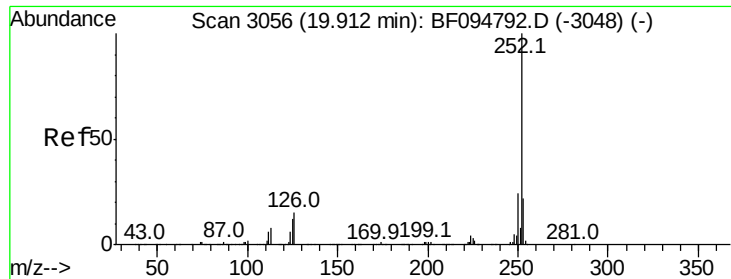
Acq: 18 May 2017 00:57

Tgt Ion:	264	Resp:	173137
Ion Ratio	Lower	Upper	
264	100		
260	22.8	19.5	29.3
265	21.7	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 50.83 ng m

RT: 19.97 min Scan# 3065

Delta R.T. 0.01 min

Lab File: BF095203.D

Acq: 18 May 2017 00:57

Instrument :

BNA_F

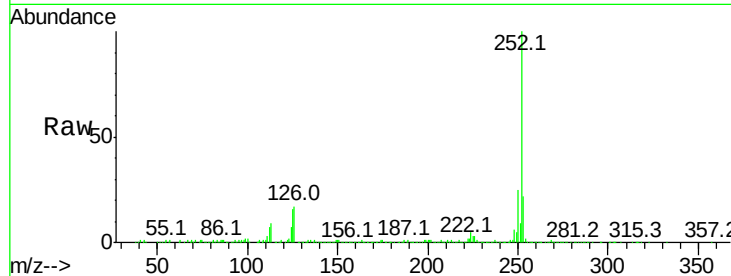
ClientSampled :

SS-02

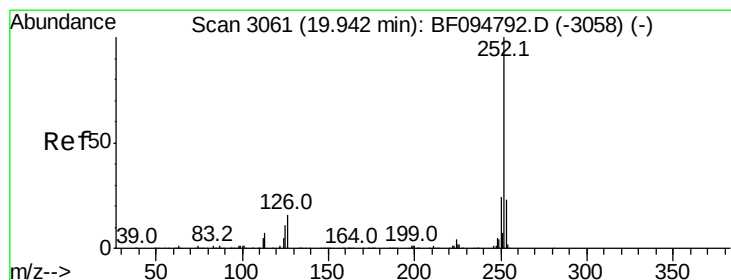
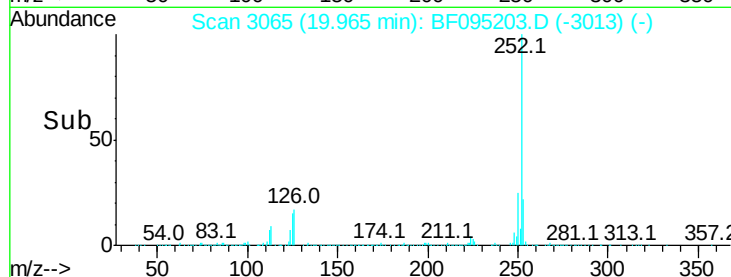
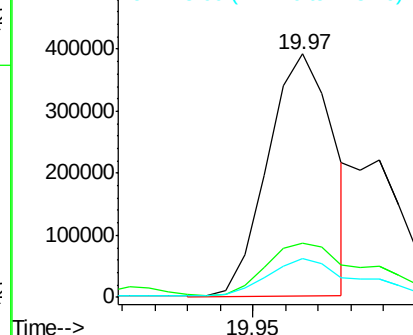
Tot Ion:	252	Resp:	543767
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.1	27.1
125	15.7	9.8	14.8#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 22.66 ng m

RT: 19.99 min Scan# 3069

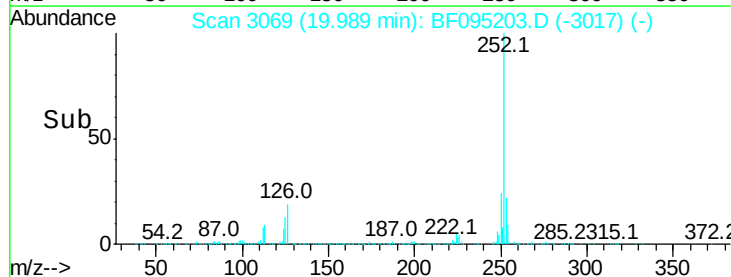
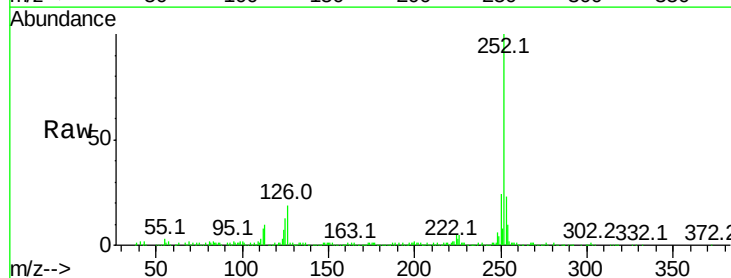
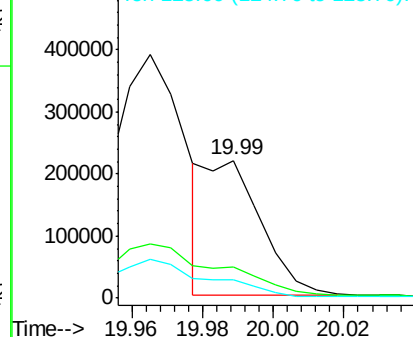
Delta R.T. 0.01 min

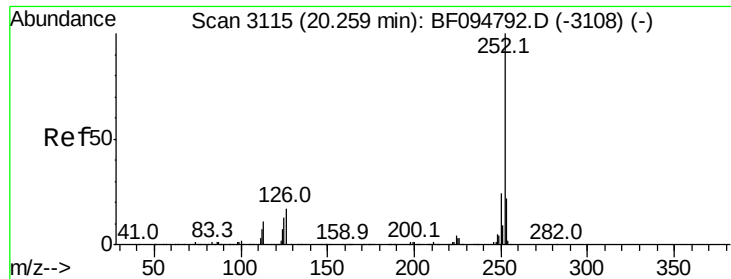
Lab File: BF095203.D

Acq: 18 May 2017 00:57

Tgt Ion:	252	Resp:	233831
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.4	27.6
125	13.1	13.1	19.7

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





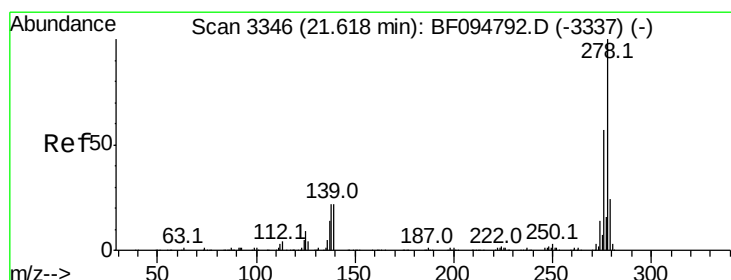
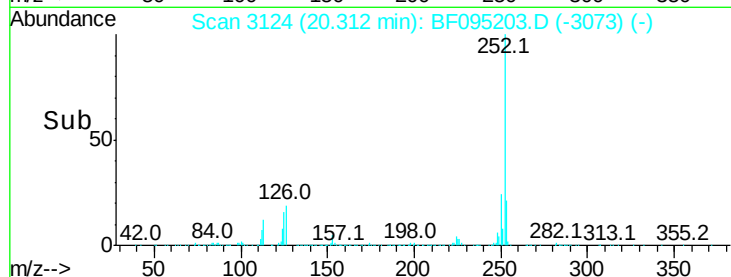
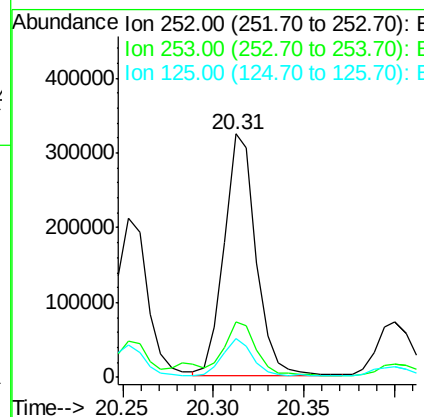
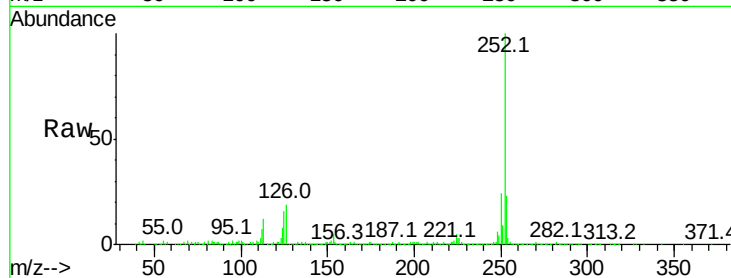
#89
Benzo(a)pyrene
Concen: 40.40 ng
RT: 20.31 min Scan# 3124
Delta R.T. -0.00 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Instrument :
BNA_F
ClientSampled :
SS-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	15.8	11.0	16.4

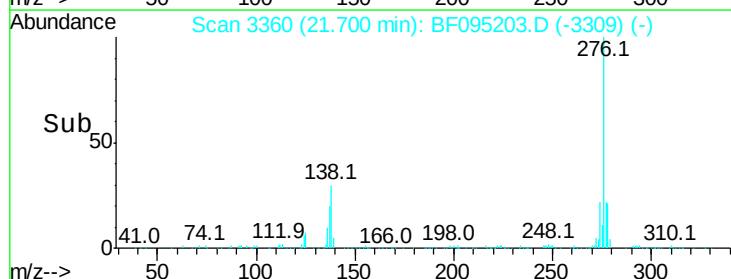
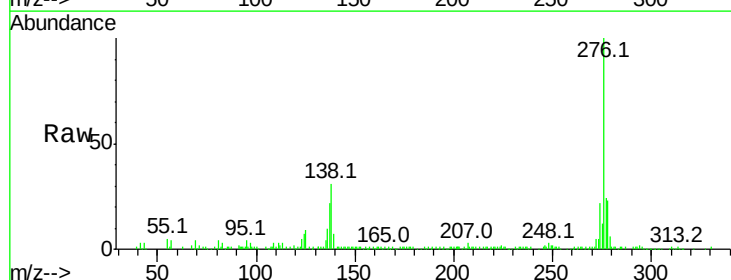
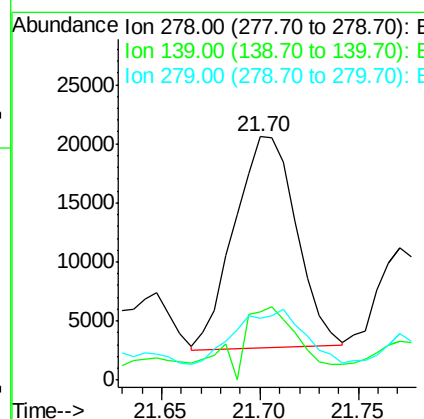
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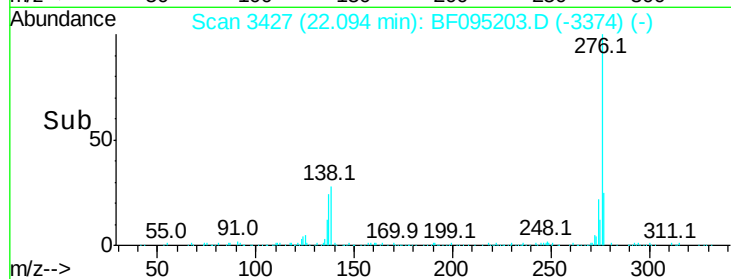
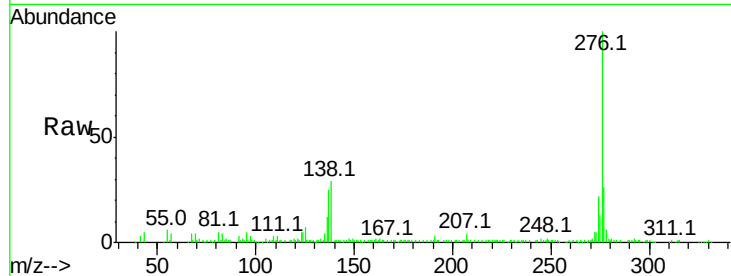
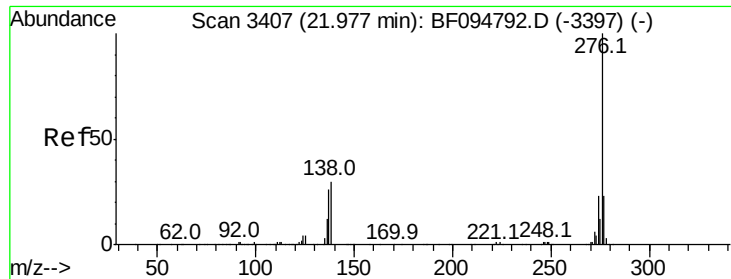
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 4.78 ng m
RT: 21.70 min Scan# 3360
Delta R.T. 0.00 min
Lab File: BF095203.D
Acq: 18 May 2017 00:57

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.2	16.6	24.8#
279	25.5	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 19.94 ng

RT: 22.09 min Scan# 3427

Delta R.T. 0.01 min

Lab File: BF095203.D

Acq: 18 May 2017 00:57

Instrument :

BNA_F

ClientSampleId :

SS-02

Tot Ion:	276	Resp:	159564
Ion Ratio	Lower	Upper	
276	100		
277	25.9	18.6	28.0
138	29.1	25.4	38.0

Manual Integrations
APPROVED

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