

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
 Data File : BF095944.D
 Acq On : 15 Jun 2017 2:45
 Operator : SJ/MA
 Sample : I3665-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HA3-WC1

Manual Integrations
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mohammad
 6/15/2017 3:55:55 PM

Quant Time: Jun 15 04:18:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.33	152	71572	20.00	ng	-0.06
21) Naphthalene-d8	9.37	136	278143	20.00	ng	-0.06
38) Acenaphthene-d10	12.19	164	109984	20.00	ng	-0.07
63) Phenanthrene-d10	14.58	188	164908	20.00	ng	-0.06
75) Chrysene-d12	18.30	240	137372	20.00	ng	-0.05
86) Perylene-d12	19.97	264	99576	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	455465	101.40	ng	-0.06
7) Phenol-d6	6.90	99	545805	101.50	ng	-0.05
23) Nitrobenzene-d5	8.25	82	305059	68.11	ng	-0.07
41) 2,4,6-Tribromophenol	13.49	330	84428	86.76	ng	-0.06
44) 2-Fluorobiphenyl	11.15	172	523671	66.26	ng	-0.07
78) Terphenyl-d14	16.96	244	324216	58.57	ng	-0.06
Target Compounds						
10) Phenol	6.93	94	21428	3.84	ng	Qvalue # 64
49) Dimethylphthalate	11.84	163	70651	8.46	ng	98
51) Acenaphthene	12.24	154	15882	2.27	ng	94
57) Fluorene	13.08	166	22973	2.68	ng	# 92
70) Phenanthrene	14.62	178	116476	12.24	ng	97
71) Anthracene	14.71	178	43177	4.35	ng	97
74) Fluoranthene	16.40	202	174064	18.48	ng	98
77) Pyrene	16.70	202	154904	15.11	ng	95
80) Benzo(a)anthracene	18.29	228	65741	8.23	ng	97
82) Chrysene	18.34	228	57160	7.16	ng	99
85) Indeno(1,2,3-cd)pyrene	21.15	276	18434	2.70	ng	92
87) Benzo(b)fluoranthene	19.57	252	57260m	9.18	ng	
88) Benzo(k)fluoranthene	19.60	252	18188m	3.05	ng	
89) Benzo(a)pyrene	19.92	252	40543	7.07	ng	# 94
91) Benzo(a,h,i)perylene	21.49	276	16510	3.33	ng	98

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

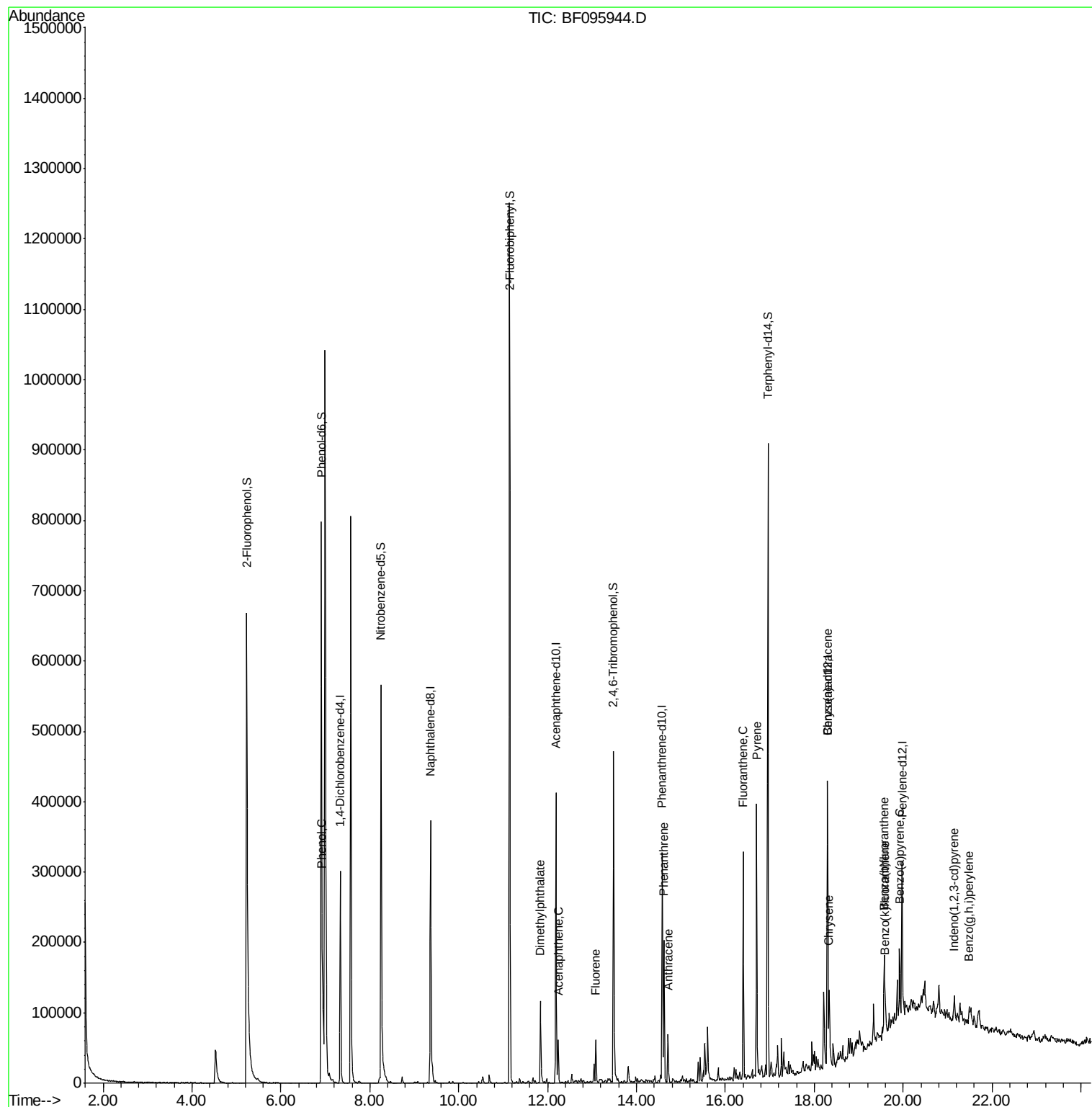
Data Path : Z:\HPCHEM1\BNA F\DATA\BF061417\
Data File : BF095944.D
Acq On : 15 Jun 2017 2:45
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Sample : I3665-04
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ALS Vial : 22 Sample Multiplier: 1

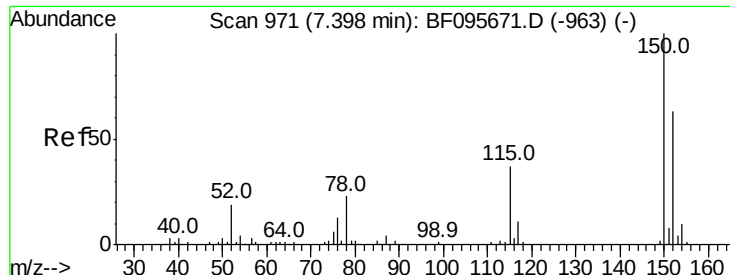
Instrument :
BNA_F
ClientSampleId :
HA3-WC1

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Quant Time: Jun 15 04:18:19 2017
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#1

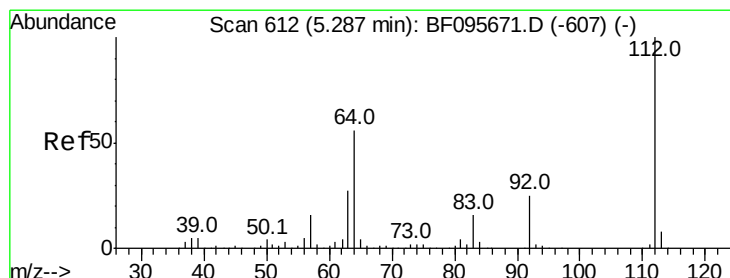
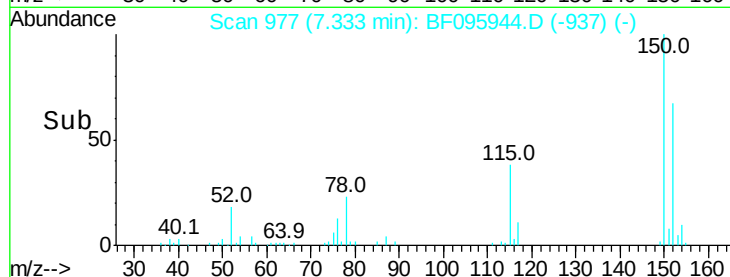
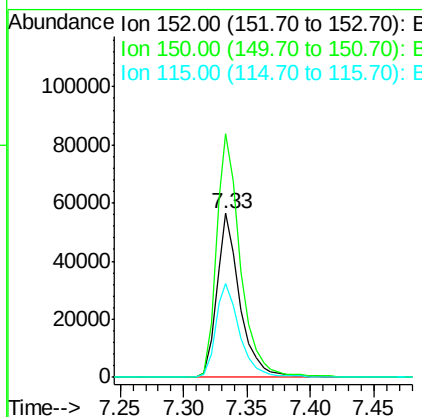
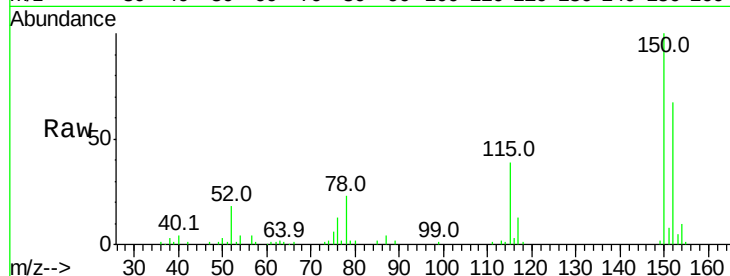
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.33 min Scan# 977
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Instrument :
 BNA_F
 ClientSampleId :
 HA3-WC1

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.8	126.2	189.2
115	57.6	52.2	78.2

Manual Integrations
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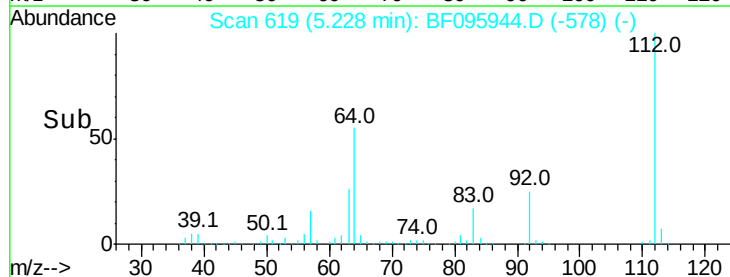
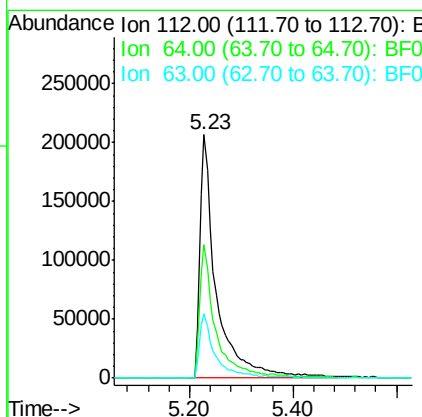
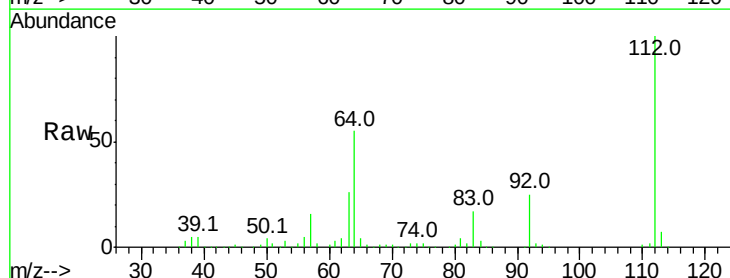
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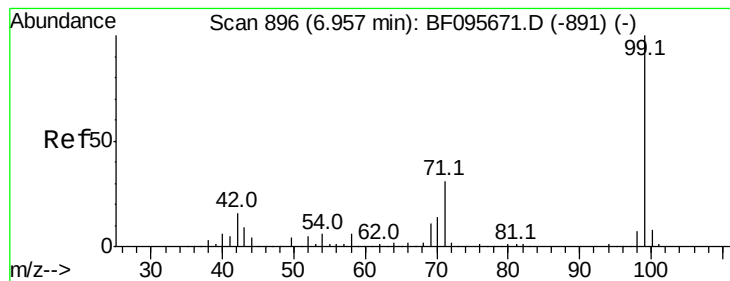


#5

2-Fluorophenol
 Concen: 101.40 ng
 RT: 5.23 min Scan# 619
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.0	69.0
63	26.5	23.4	35.0





#7

Phenol-d6

Concen: 101.50 ng

RT: 6.90 min Scan# 904

Delta R.T. -0.05 min

Lab File: BF095944.D

Acq: 15 Jun 2017 2:45

Instrument :

BNA_F

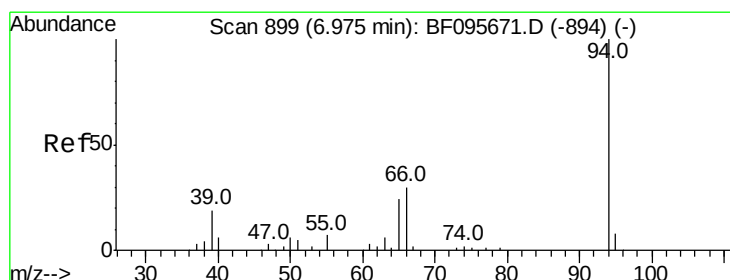
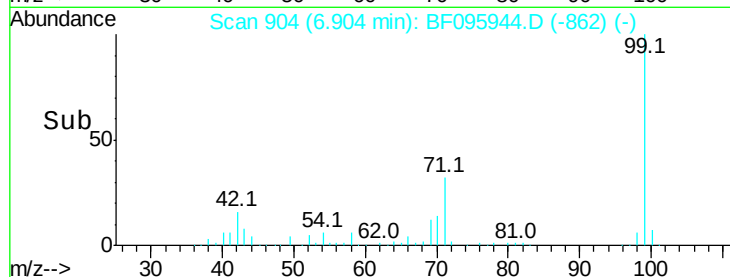
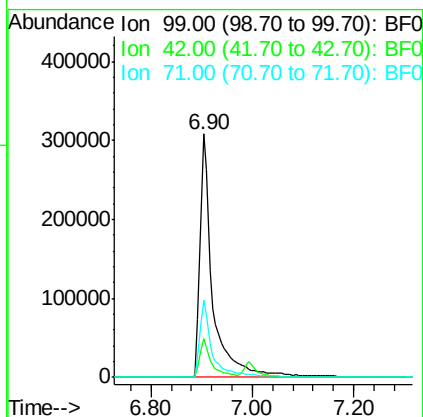
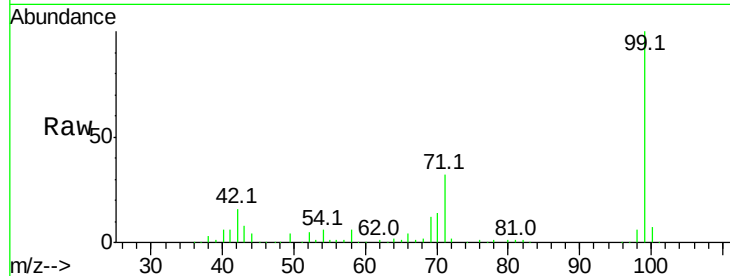
ClientSampled :

HA3-WC1

Tot Ion:	99	Resp:	545805
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.5	20.3
71	31.5	24.5	36.7

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#10

Phenol

Concen: 3.84 ng

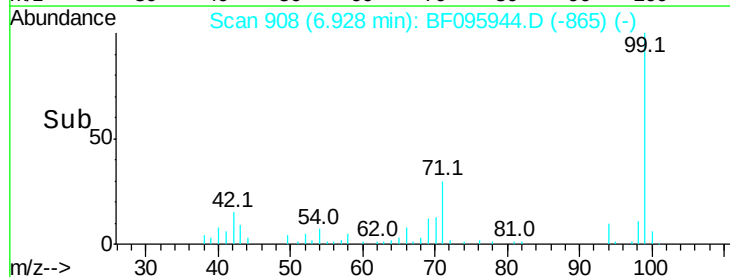
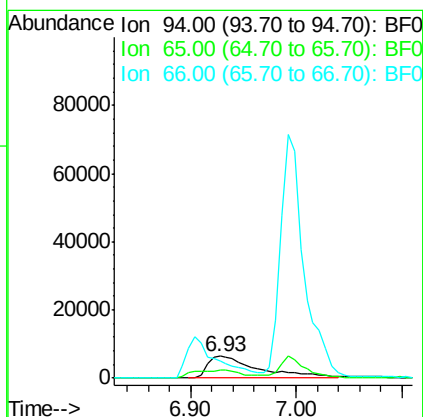
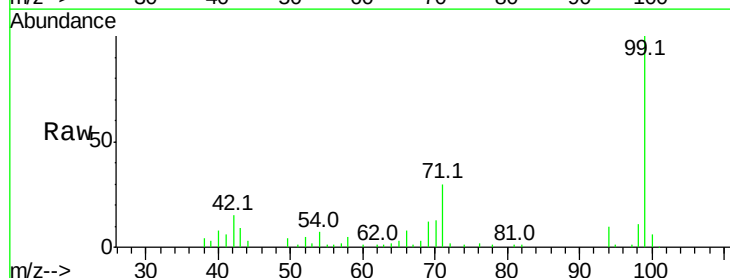
RT: 6.93 min Scan# 908

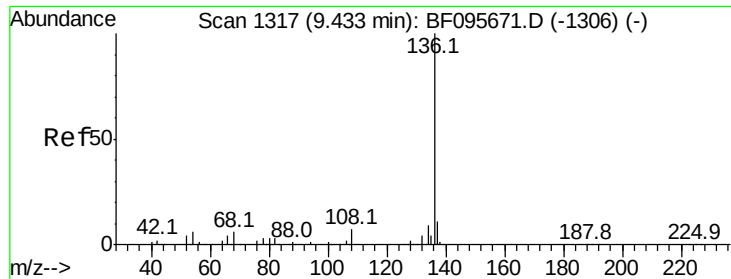
Delta R.T. -0.05 min

Lab File: BF095944.D

Acq: 15 Jun 2017 2:45

Tgt Ion:	94	Resp:	21428
Ion Ratio	Lower	Upper	
94	100		
65	35.7	9.9	49.9
66	77.6	23.1	63.1#





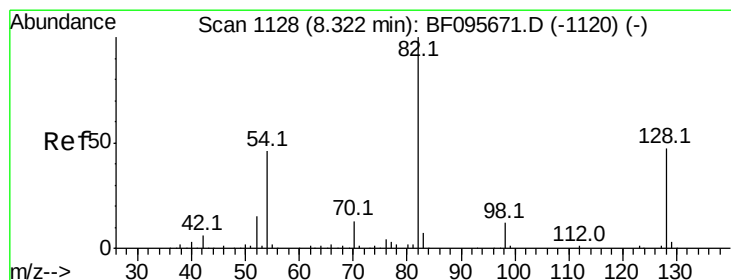
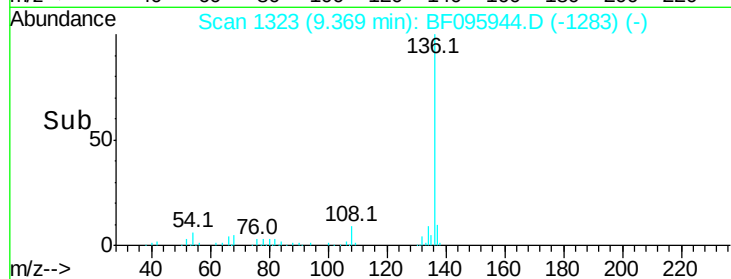
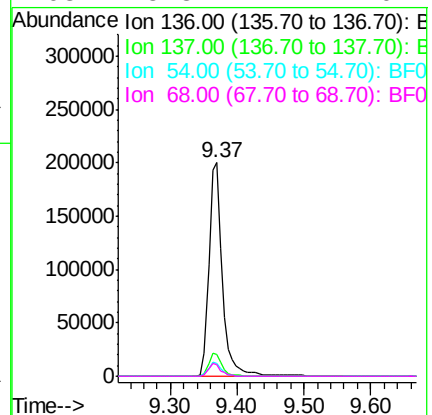
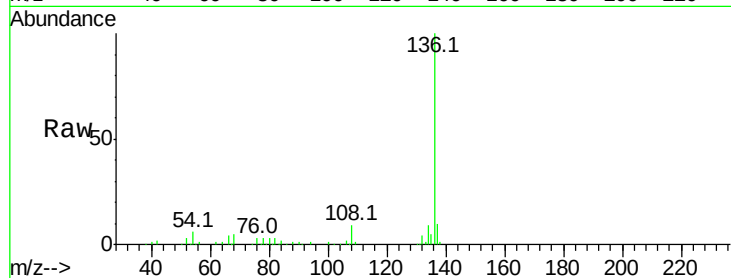
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.37 min Scan# 1323
Delta R.T. -0.06 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Instrument :
BNA_F
ClientSampleId :
HA3-WC1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.4	8.5	12.7	
54	6.0	4.9	7.3	
68	5.3	4.1	6.1	

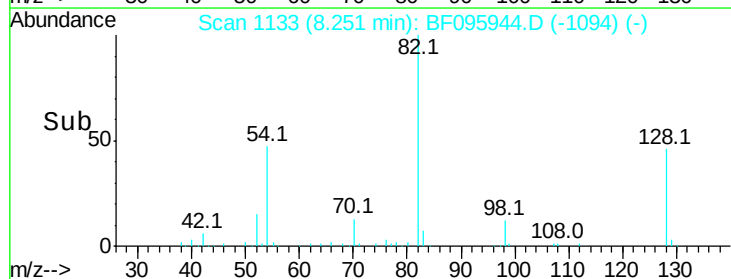
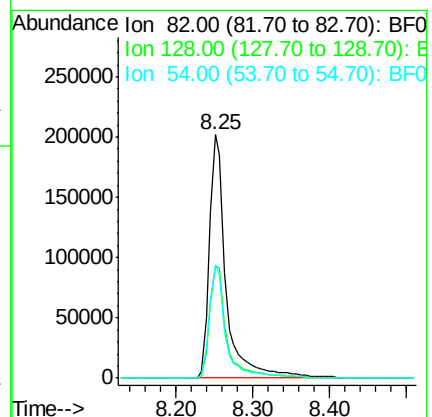
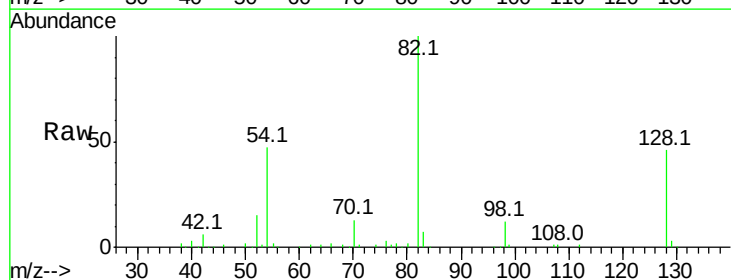
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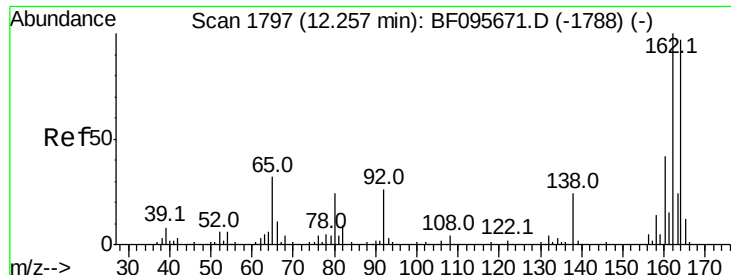
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#23
Nitrobenzene-d5
Concen: 68.11 ng
RT: 8.25 min Scan# 1133
Delta R.T. -0.07 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.9	34.0	51.0	
54	46.6	42.2	63.2	





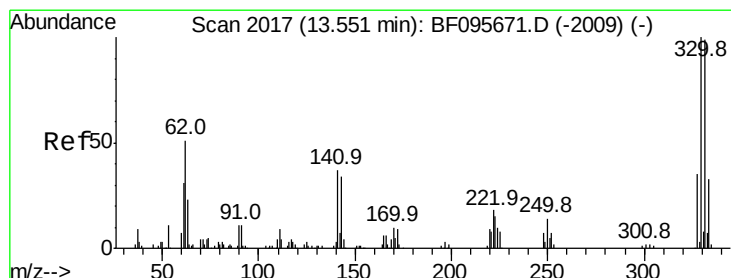
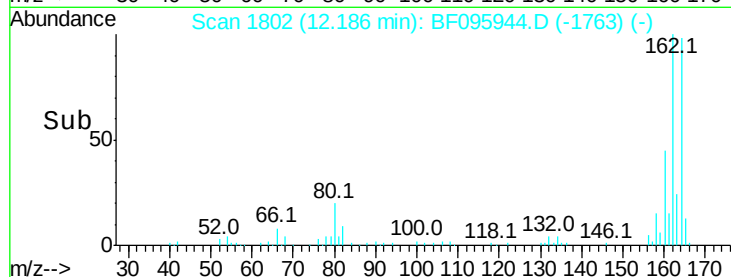
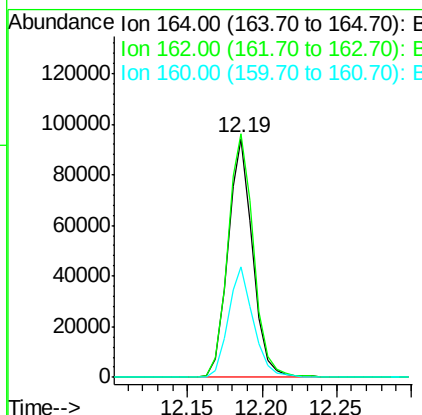
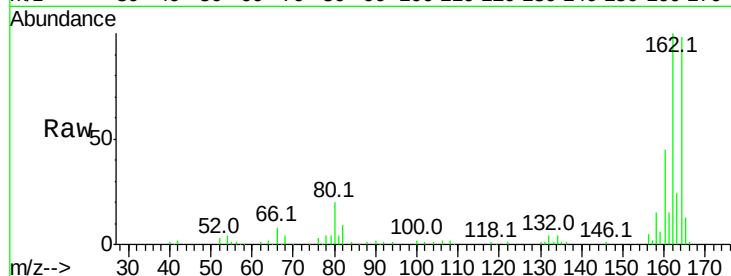
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.19 min Scan# 1802
Delta R.T. -0.07 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Instrument :
BNA_F
ClientSampleId :
HA3-WC1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	109984		
162	101.8	82.6	123.8	
160	46.0	36.2	54.2	

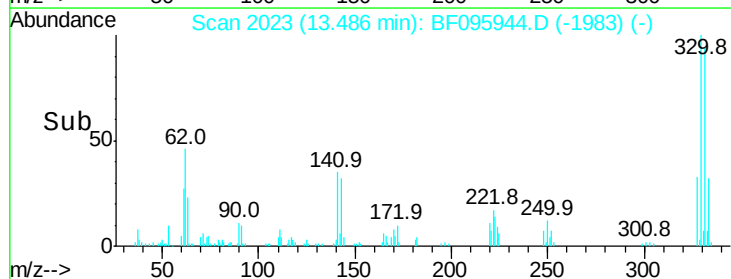
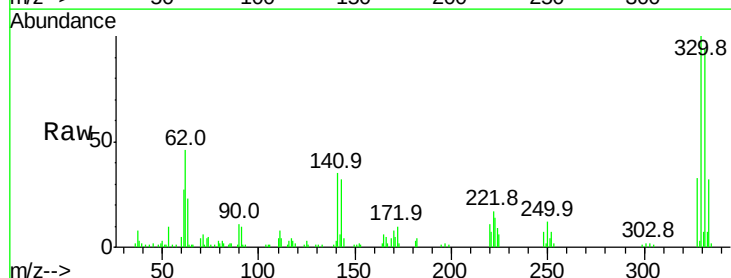
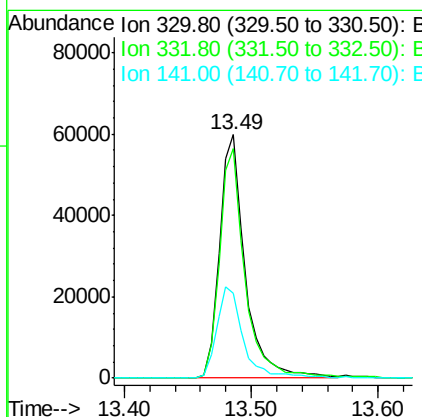
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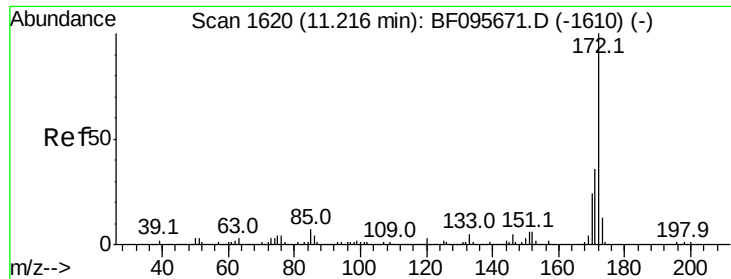
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#41
2,4,6-Tribromophenol
Concen: 86.76 ng
RT: 13.49 min Scan# 2023
Delta R.T. -0.06 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	84428		
332	94.1	76.6	115.0	
141	38.9	31.4	47.2	





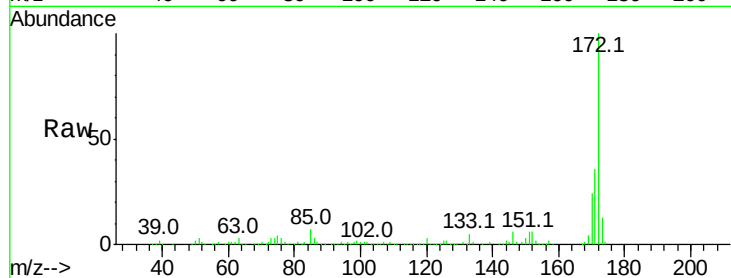
#44
2-Fluorobiphenyl
Concen: 66.26 ng
RT: 11.15 min Scan# 1625
Delta R.T. -0.07 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Instrument :
BNA_F
ClientSampleId :
HA3-WC1

Tot Ion	Ratio	Resp	Lower	Upper
172	100	523671		
171	35.6		29.6	44.4
170	23.9		19.8	29.8

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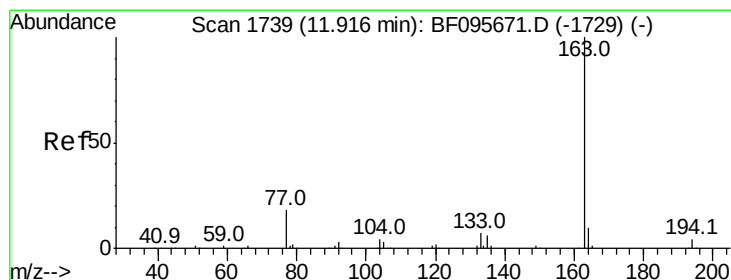
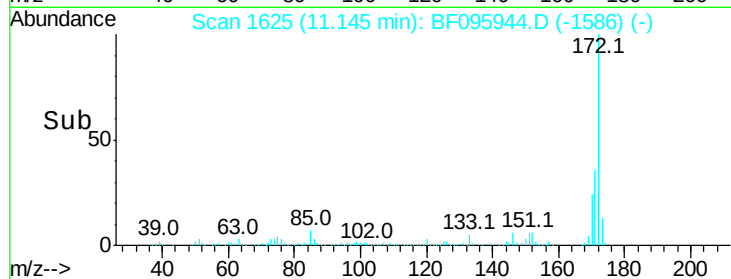
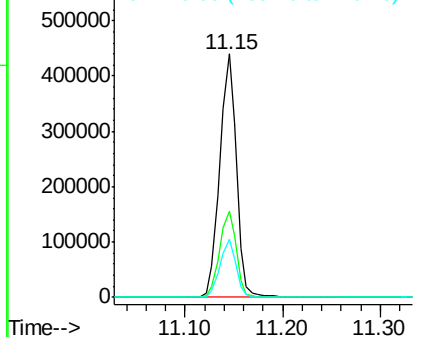


Abundance

Ion 172.00 (171.70 to 172.70): E

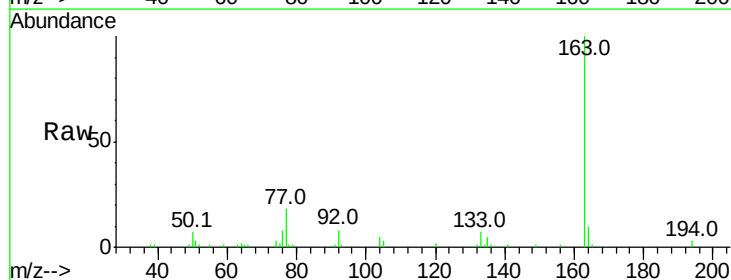
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 8.46 ng
RT: 11.84 min Scan# 1743
Delta R.T. -0.08 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	70651		
194	2.9		2.6	4.0
164	9.6		8.4	12.6

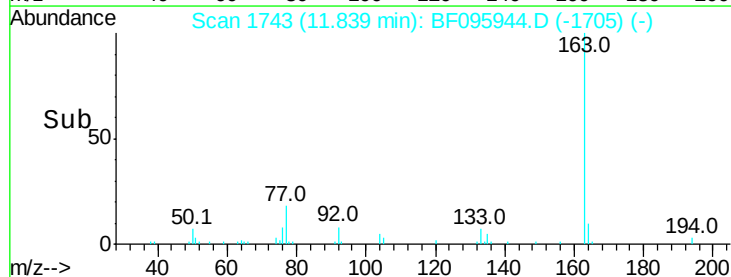
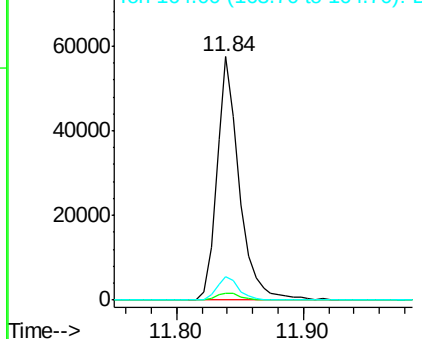


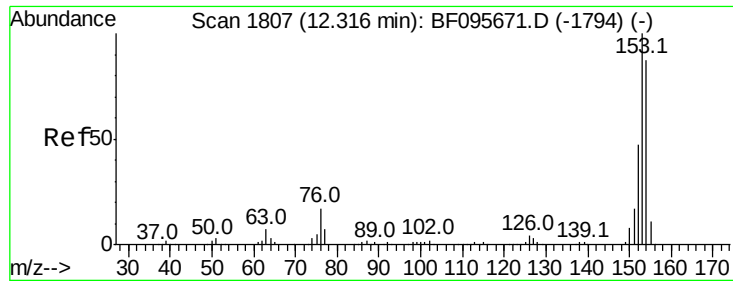
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.27 ng

RT: 12.24 min Scan# 1811

Delta R.T. -0.08 min

Lab File: BF095944.D

Acq: 15 Jun 2017 2:45

Instrument :

BNA_F

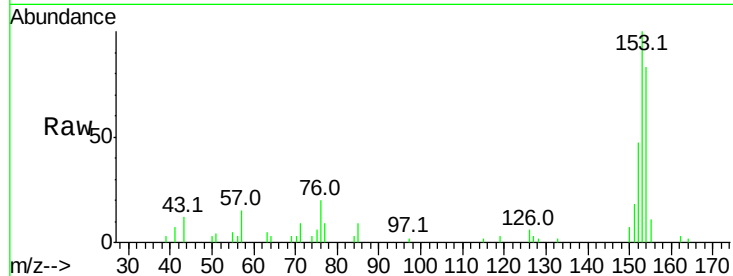
ClientSampleId :

HA3-WC1

Tot Ion	Ratio	Lower	Upper
154	100		
153	120.4	90.5	135.7
152	57.1	43.6	65.4

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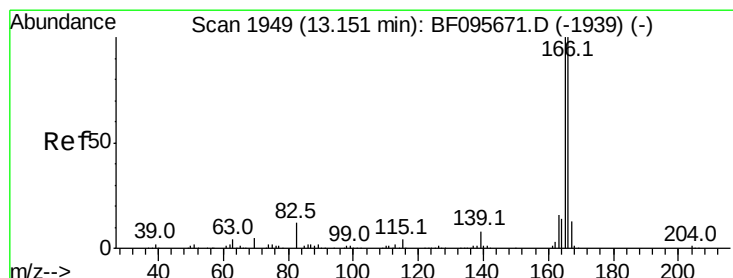
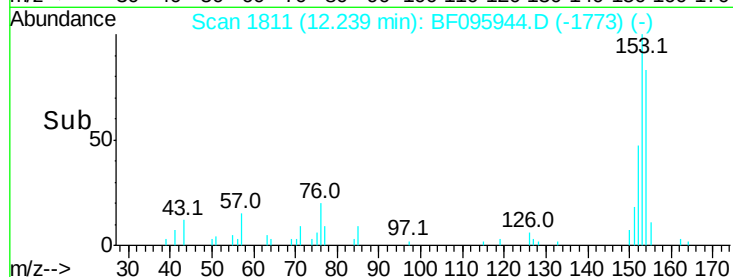
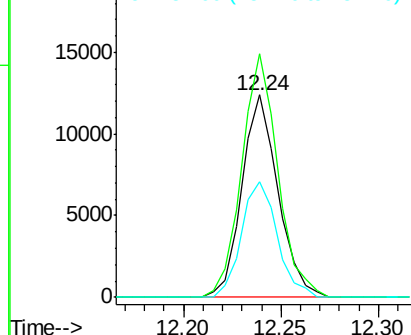


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 2.68 ng

RT: 13.08 min Scan# 1954

Delta R.T. -0.07 min

Lab File: BF095944.D

Acq: 15 Jun 2017 2:45

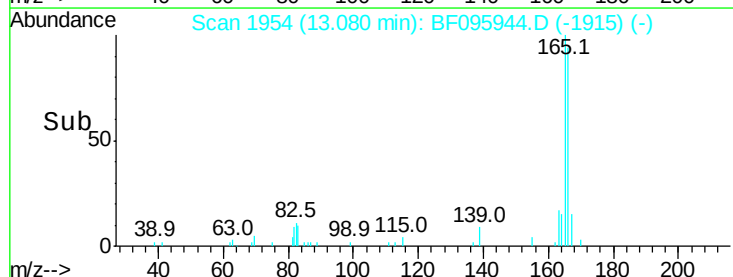
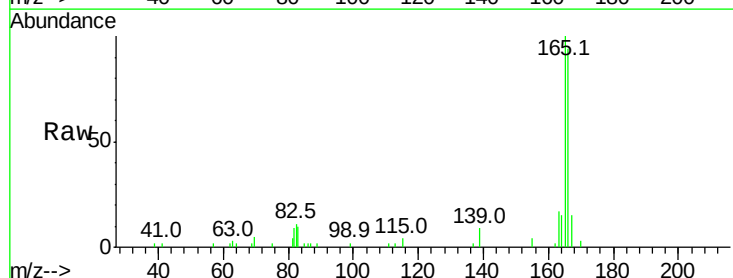
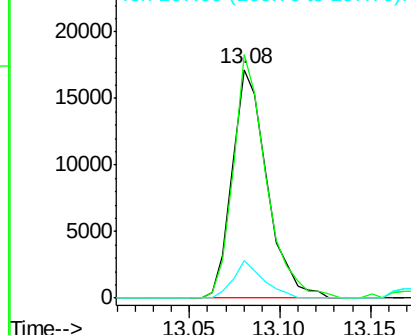
Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.5	78.8	118.2
167	16.4	10.6	16.0#

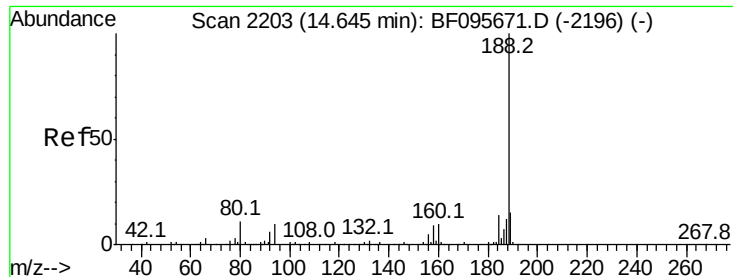
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





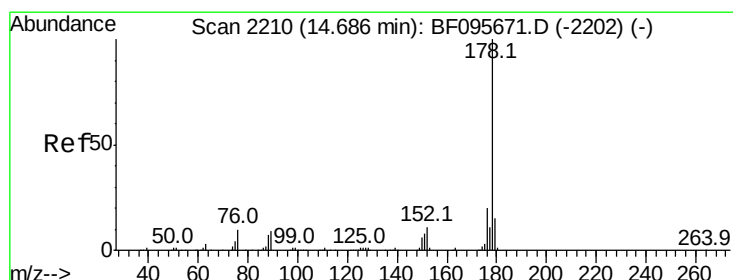
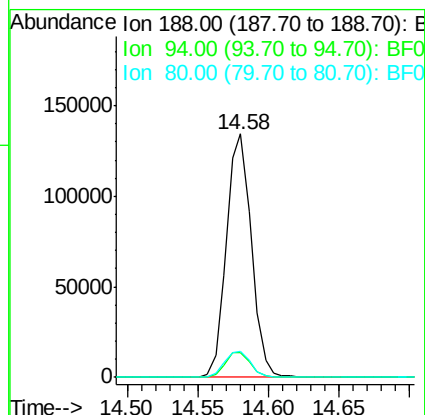
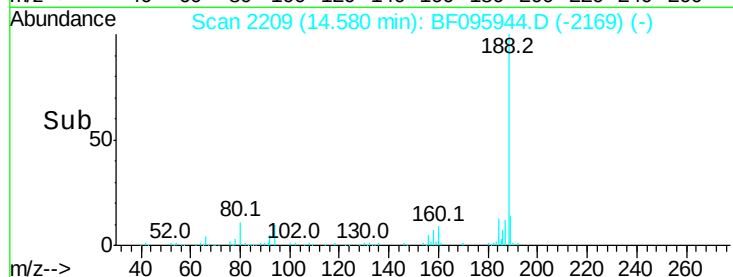
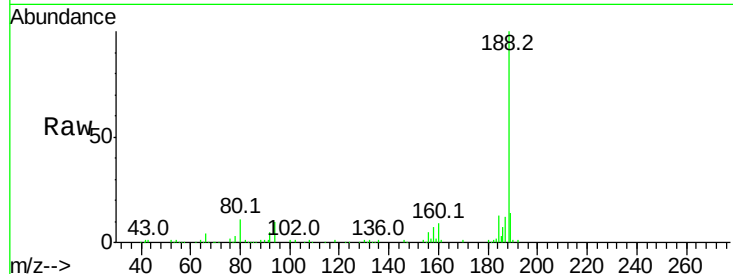
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.58 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Instrument :
BNA_F
ClientSampled :
HA3-WC1

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.4	9.4	14.2
80	10.7	10.2	15.2

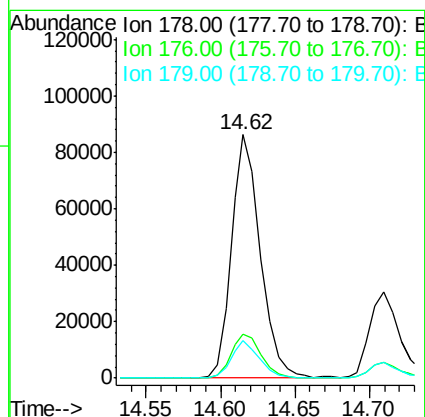
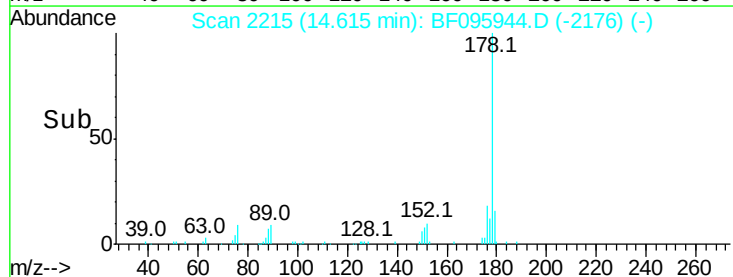
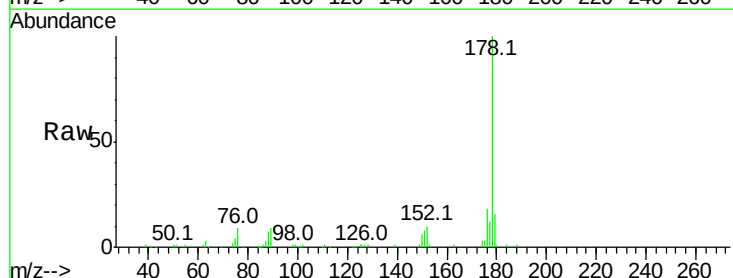
Manual Integrations
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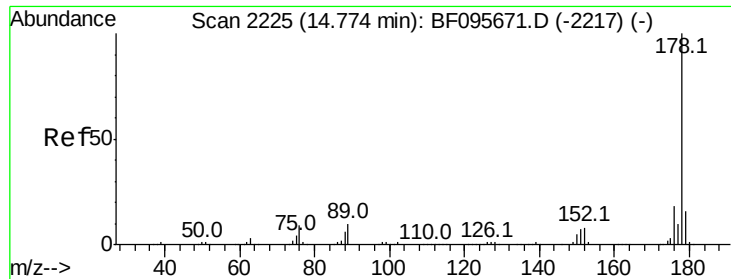
mohammad
6/15/2017 3:55:55 PM



#70
Phenanthrene
Concen: 12.24 ng
RT: 14.62 min Scan# 2215
Delta R.T. -0.07 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.0	16.2	24.4
179	15.7	12.6	19.0





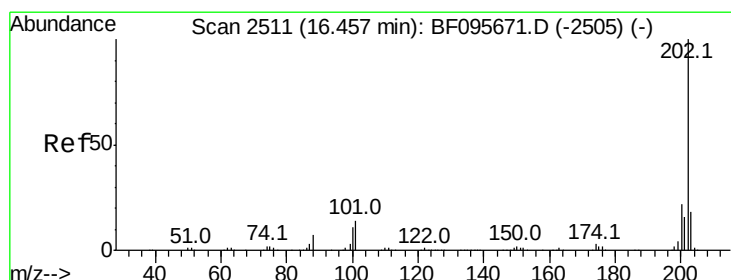
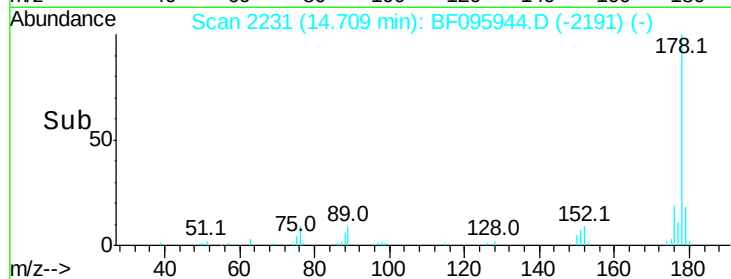
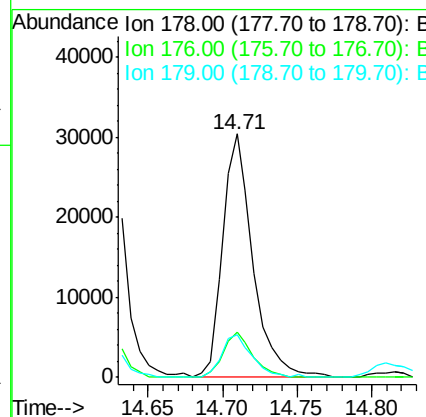
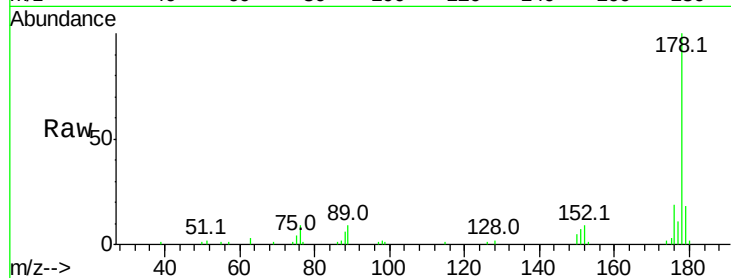
#71
 Anthracene
 Concen: 4.35 ng
 RT: 14.71 min Scan# 2231
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Instrument :
 BNA_F
 ClientSampleId :
 HA3-WC1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	17.7	12.7	19.1

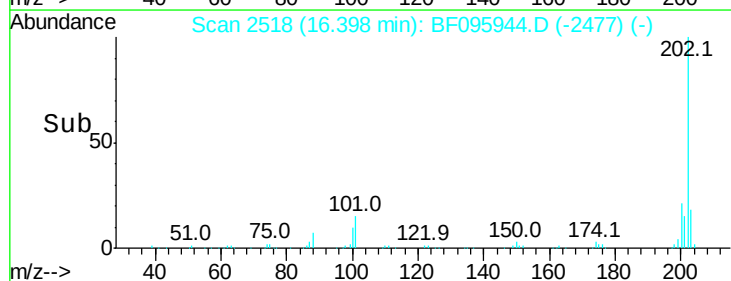
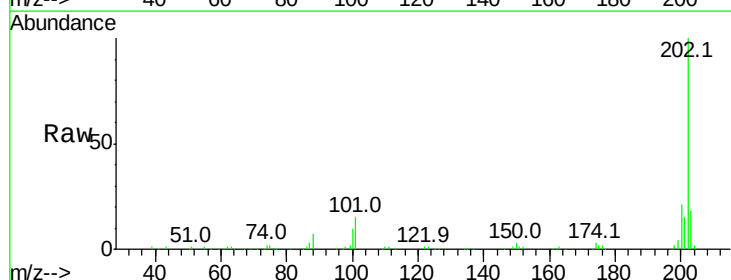
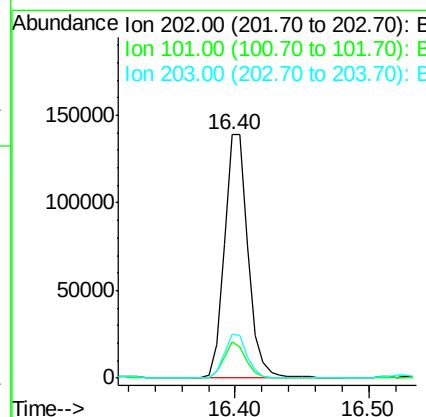
Manual Integrations
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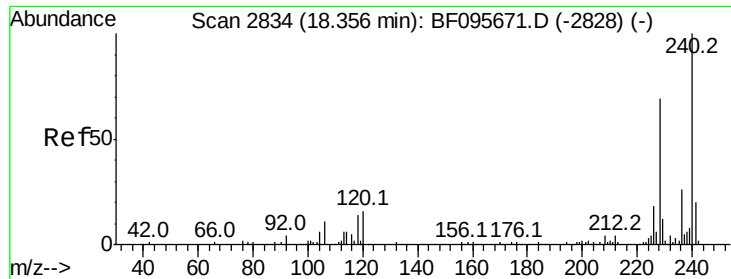
mohammad
 6/15/2017 3:55:55 PM



#74
 Fluoranthene
 Concen: 18.48 ng
 RT: 16.40 min Scan# 2518
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	33.2
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.30 min Scan# 2842

Delta R.T. -0.05 min

Lab File: BF095944.D

Acq: 15 Jun 2017 2:45

Instrument :

BNA_F

ClientSampleId :

HA3-WC1

Tot Ion:240 Resp: 137372

Ion Ratio Lower Upper

240 100

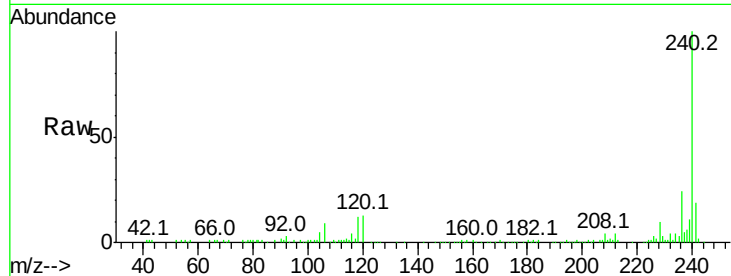
120 12.9 5.8 8.8#

236 23.9 20.5 30.7

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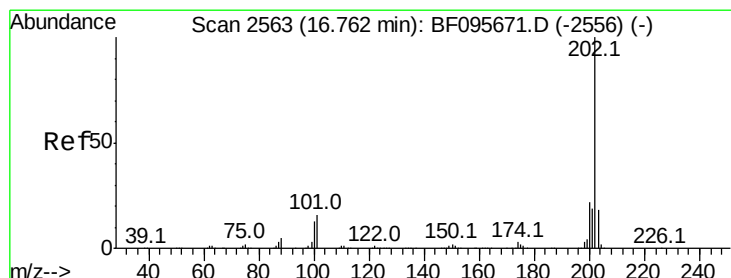
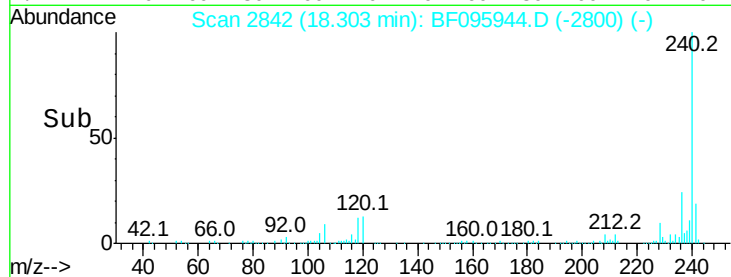
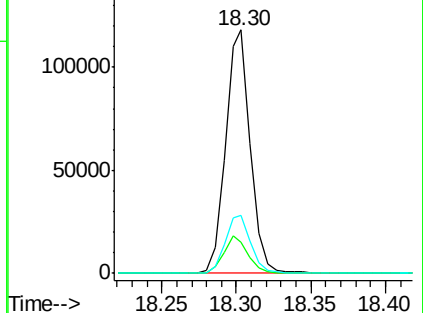
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.11 ng

RT: 16.70 min Scan# 2570

Delta R.T. -0.06 min

Lab File: BF095944.D

Acq: 15 Jun 2017 2:45

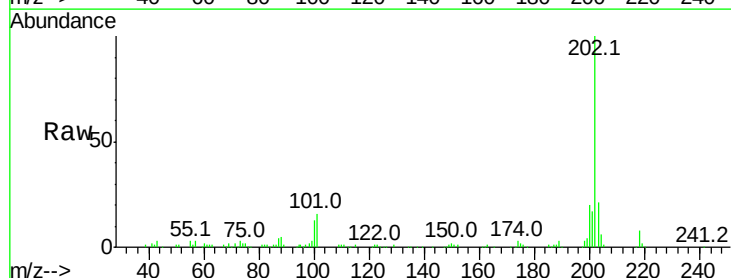
Tgt Ion:202 Resp: 154904

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

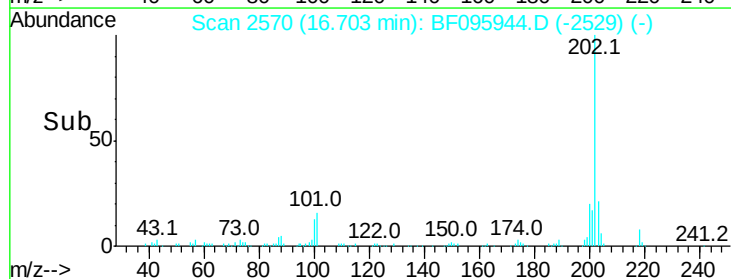
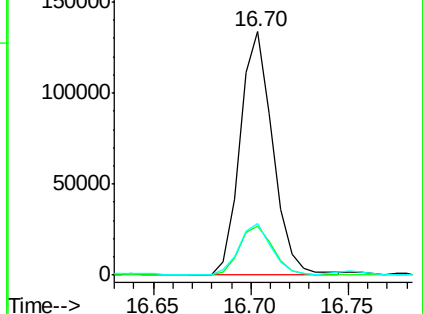
203 20.9 14.4 21.6

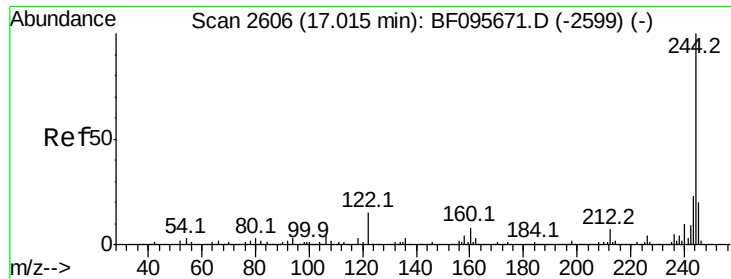


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





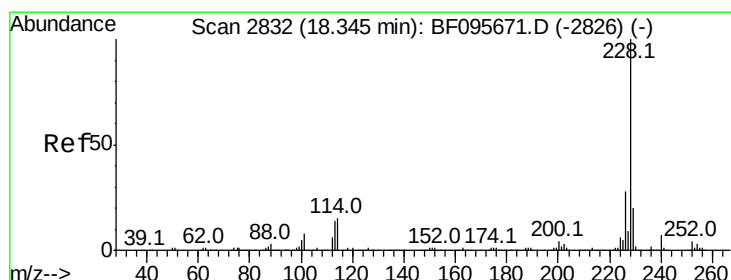
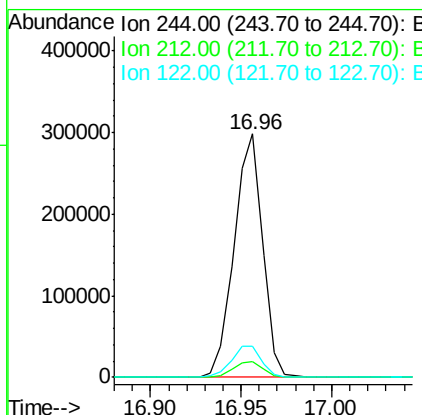
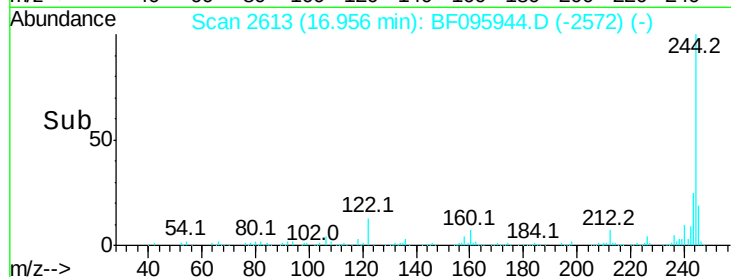
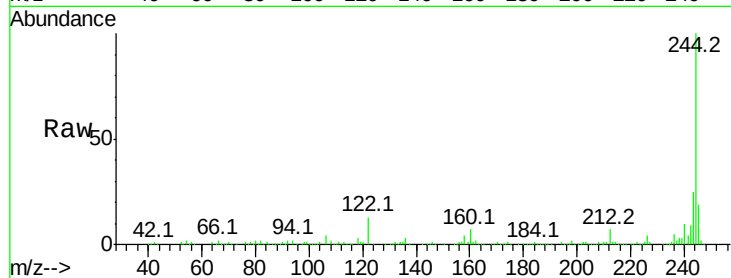
#78
 Terphenyl-d14
 Concen: 58.57 ng
 RT: 16.96 min Scan# 2613
 Delta R.T. -0.06 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Instrument :
 BNA_F
 ClientSampleId :
 HA3-WC1

Tot Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	6.0	9.0
122	12.6	10.3	15.5

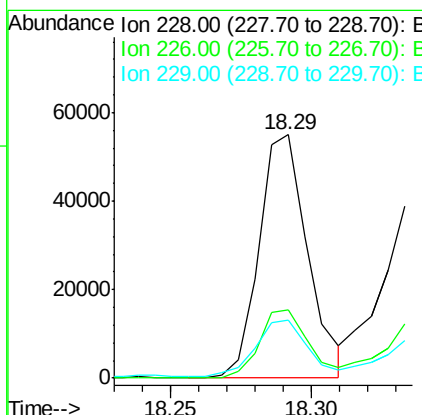
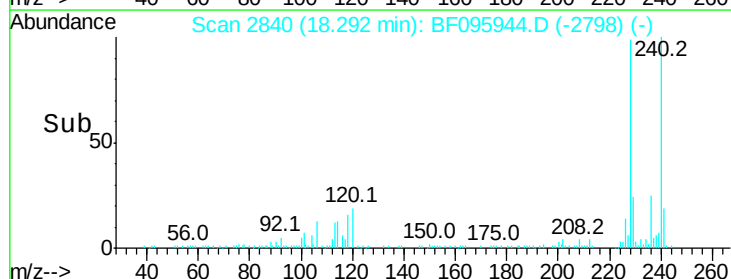
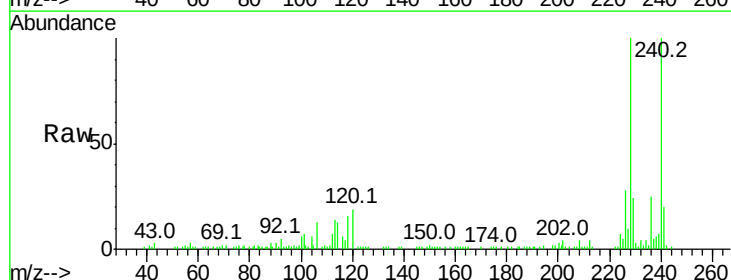
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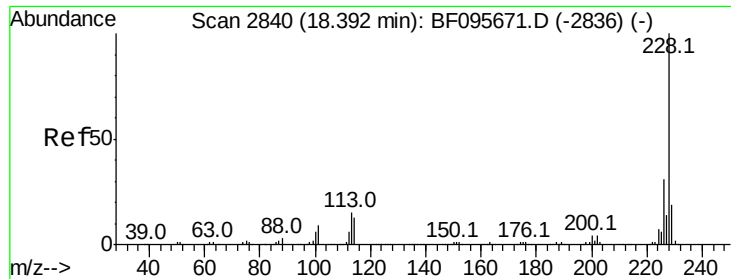
mohammad
 6/15/2017 3:55:55 PM



#80
 Benzo(a)anthracene
 Concen: 8.23 ng
 RT: 18.29 min Scan# 2840
 Delta R.T. -0.05 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.0	22.6	33.8
229	23.8	16.3	24.5





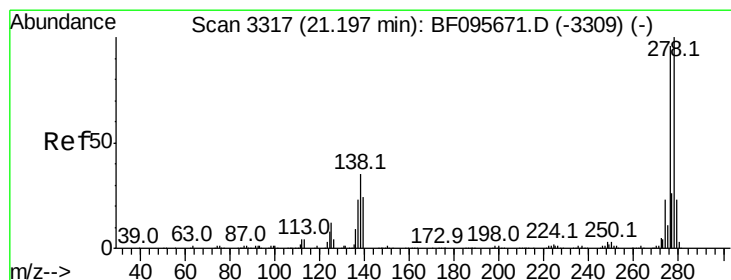
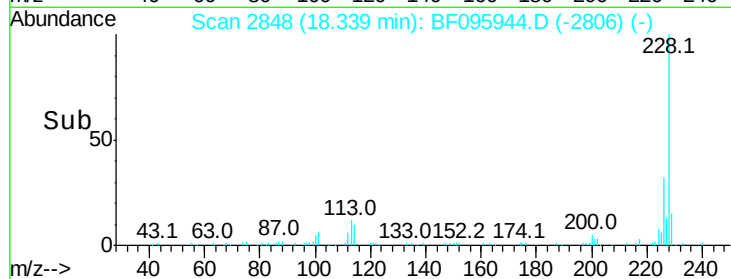
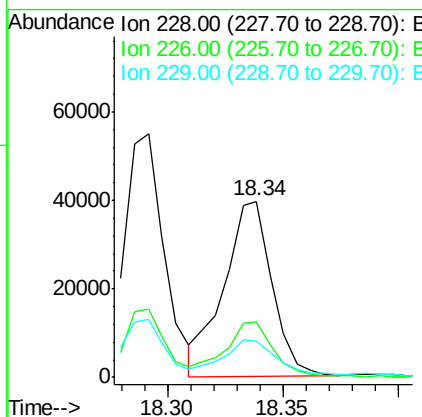
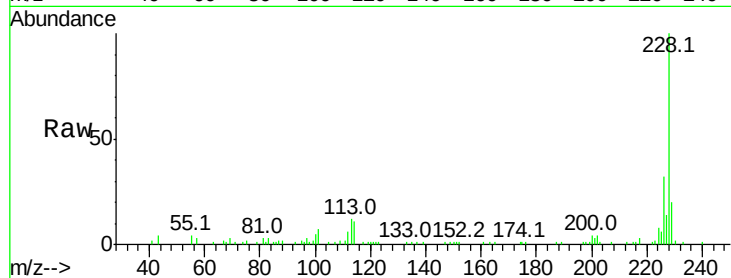
#82
Chrysene
Concen: 7.16 ng
RT: 18.34 min Scan# 2848
Delta R.T. -0.05 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Instrument :
BNA_F
ClientSampleId :
HA3-WC1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.9	37.3
229	20.4	15.8	23.6

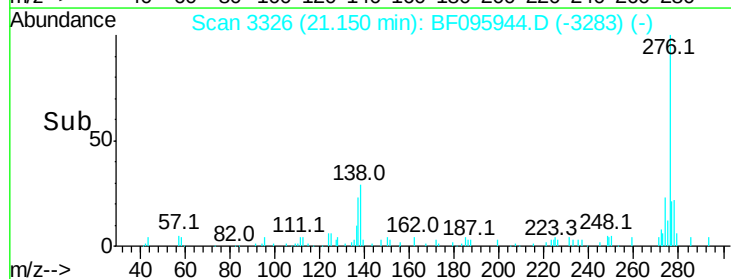
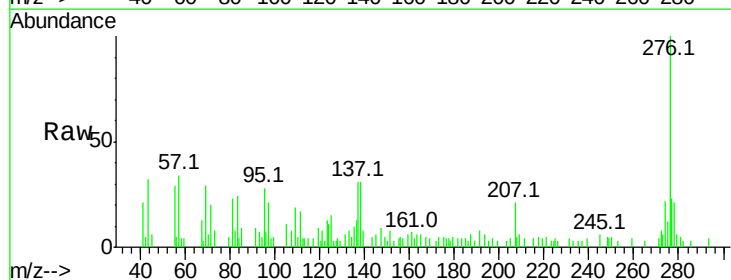
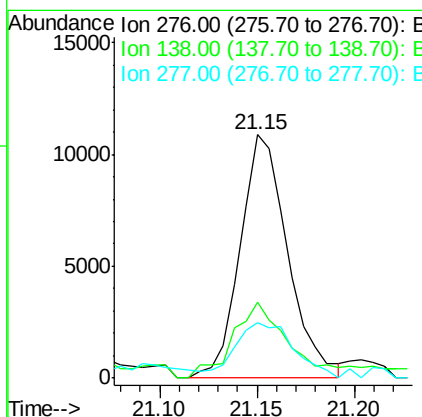
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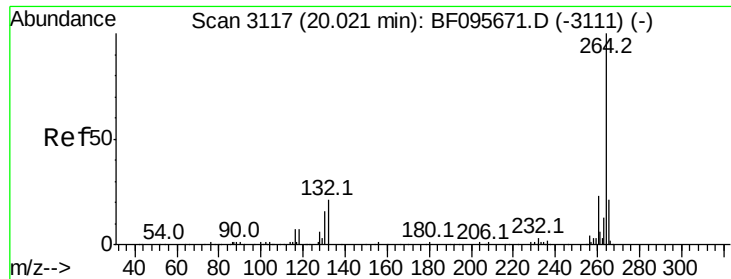
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.70 ng
RT: 21.15 min Scan# 3326
Delta R.T. -0.05 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	40.1	27.8	41.6
277	28.3	20.2	30.4





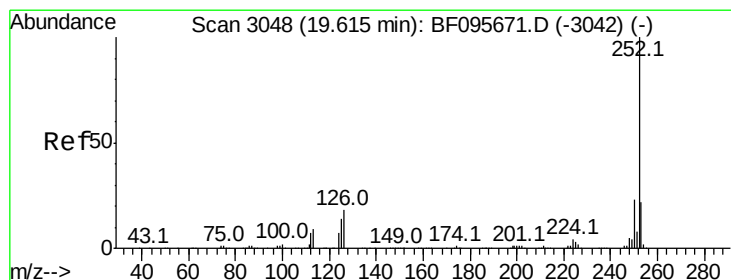
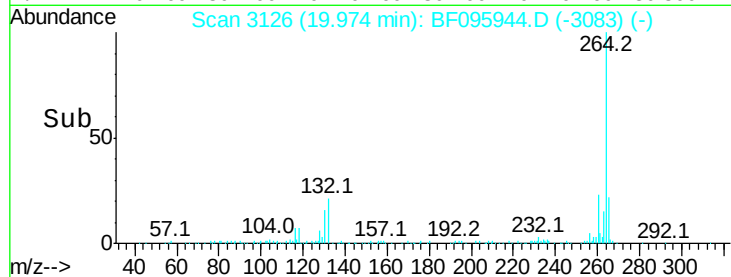
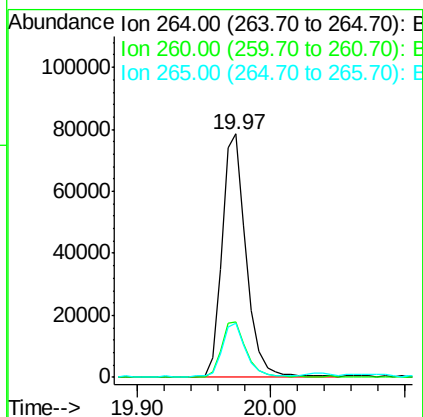
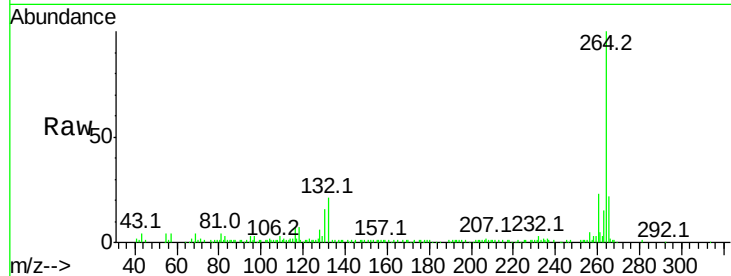
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.97 min Scan# 3126
Delta R.T. -0.05 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Instrument :
BNA_F
ClientSampled :
HA3-WC1

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.5	29.3
265	22.5	17.2	25.8

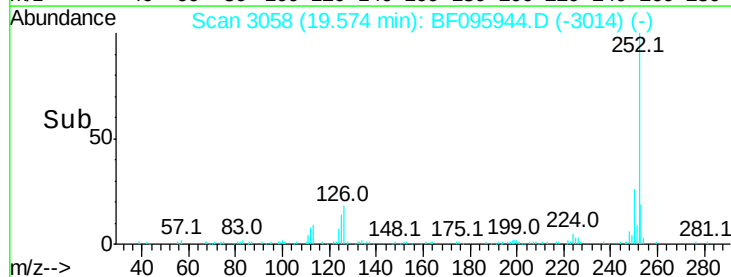
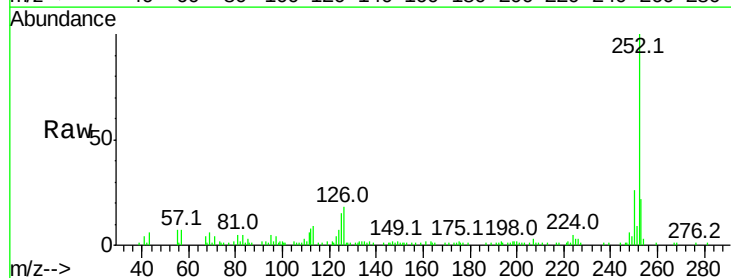
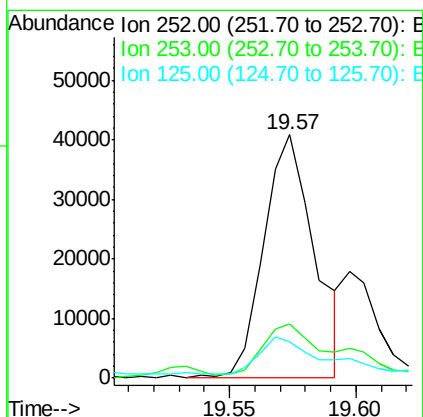
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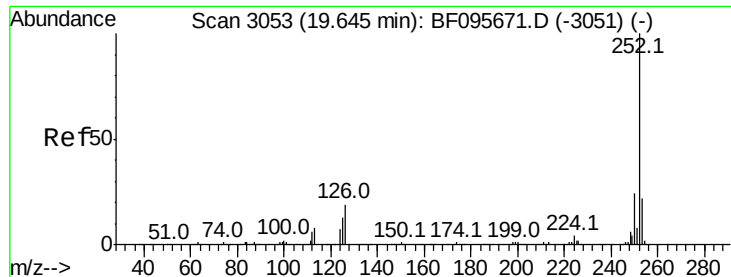
mohammad
6/15/2017 3:55:55 PM



#87
Benzo(b)fluoranthene
Concen: 9.18 ng m
RT: 19.57 min Scan# 3058
Delta R.T. -0.04 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.0	9.8	14.8





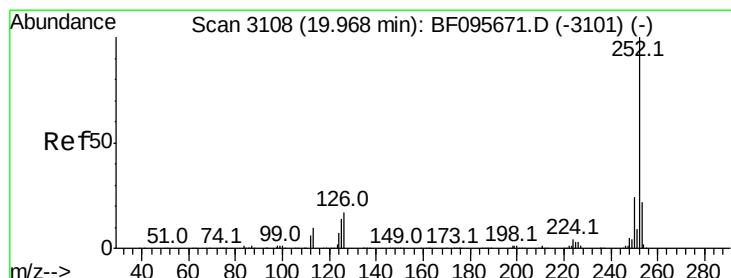
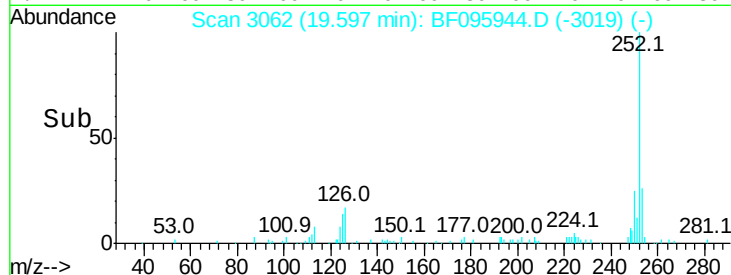
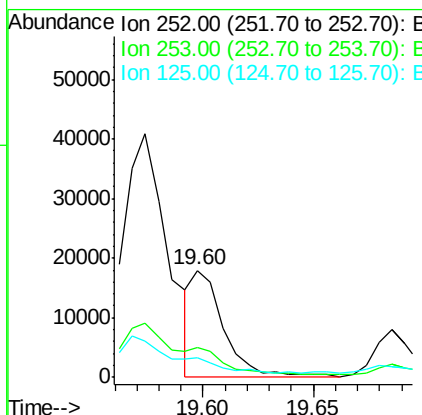
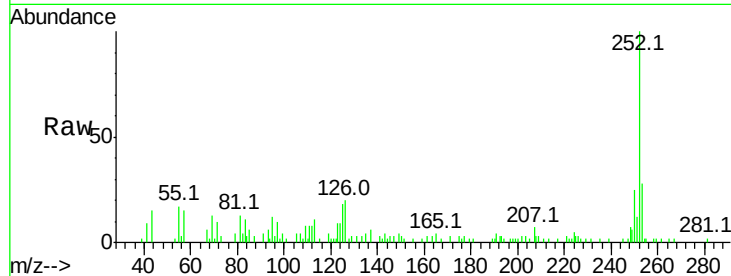
#88
Benzo(k)fluoranthene
Concen: 3.05 ng m
RT: 19.60 min Scan# 3062
Delta R.T. -0.05 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Instrument :
BNA_F
ClientSampleId :
HA3-WC1

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.4	27.6#
125	18.1	13.1	19.7

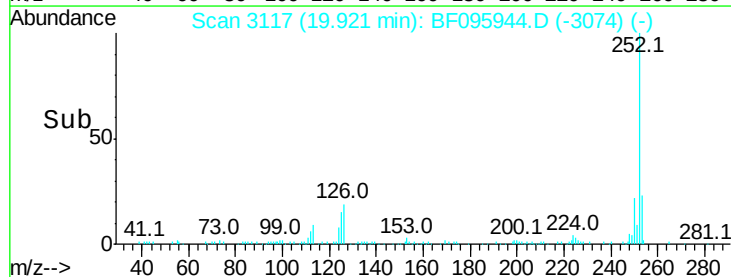
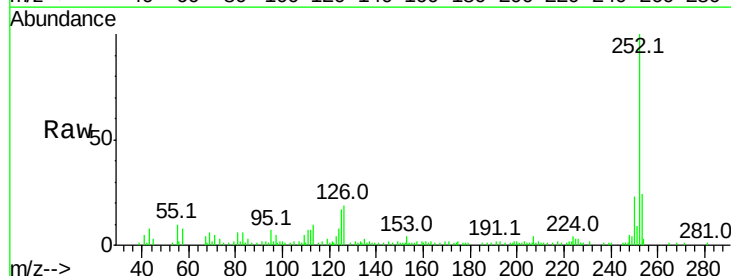
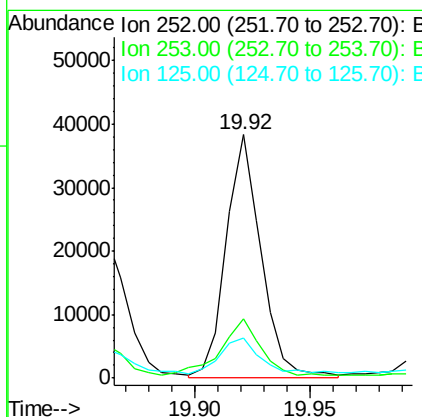
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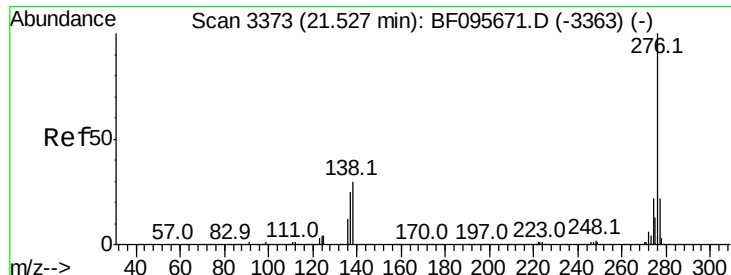
mohammad
6/15/2017 3:55:55 PM



#89
Benzo(a)pyrene
Concen: 7.07 ng
RT: 19.92 min Scan# 3117
Delta R.T. -0.05 min
Lab File: BF095944.D
Acq: 15 Jun 2017 2:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	16.7	11.0	16.4#





#91
 Benzo(a,h,i)perylene
 Concen: 3.33 ng
 RT: 21.49 min Scan# 3383
 Delta R.T. -0.04 min
 Lab File: BF095944.D
 Acq: 15 Jun 2017 2:45

Instrument :
 BNA_F
 ClientSampleId :
 HA3-WC1

Tot Ion:	276	Resp:	16510
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.6	28.0
138	31.2	25.4	38.0

Manual Integrations
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 6/15/2017 3:55:55 PM

