

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
 Data File : BF095045.D
 Acq On : 10 May 2017 3:36
 Operator : SJ/MA
 Sample : I2892-06
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AST-E(9.5-10)

Manual Integrations
 APPROVED

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 5/10/2017 11:47:42 AM

Quant Time: May 10 05:47:32 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	7.71	152	106381	20.00	ng	-0.02
21) Naphthalene-d8	9.73	136	436164	20.00	ng	-0.02
38) Acenaphthene-d10	12.56	164	198894	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	306712	20.00	ng	-0.02
75) Chrysene-d12	18.63	240	209520	20.00	ng	-0.02
86) Perylene-d12	20.30	264	199093	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	749647	117.49	ng	-0.02
7) Phenol-d6	7.26	99	910202	118.89	ng	-0.02
23) Nitrobenzene-d5	8.61	82	497115	71.87	ng	-0.02
41) 2,4,6-Tribromophenol	13.86	330	173532	106.53	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	1038857	75.18	ng	-0.02
78) Terphenyl-d14	17.29	244	637720	67.04	ng	-0.02
Target Compounds						
10) Phenol	7.28	94	19561	2.42	ng	Qvalue # 73
49) Dimethylphthalate	12.20	163	148824	9.11	ng	99
74) Fluoranthene	16.75	202	63318	3.50	ng	98
77) Pyrene	17.05	202	58675	3.74	ng	96
80) Benzo(a)anthracene	18.62	228	29149m	2.39	ng	
82) Chrysene	18.67	228	31212	2.65	ng	98
87) Benzo(b)fluoranthene	19.90	252	42471m	3.45	ng	
89) Benzo(a)pyrene	20.25	252	30623	2.70	ng	97

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

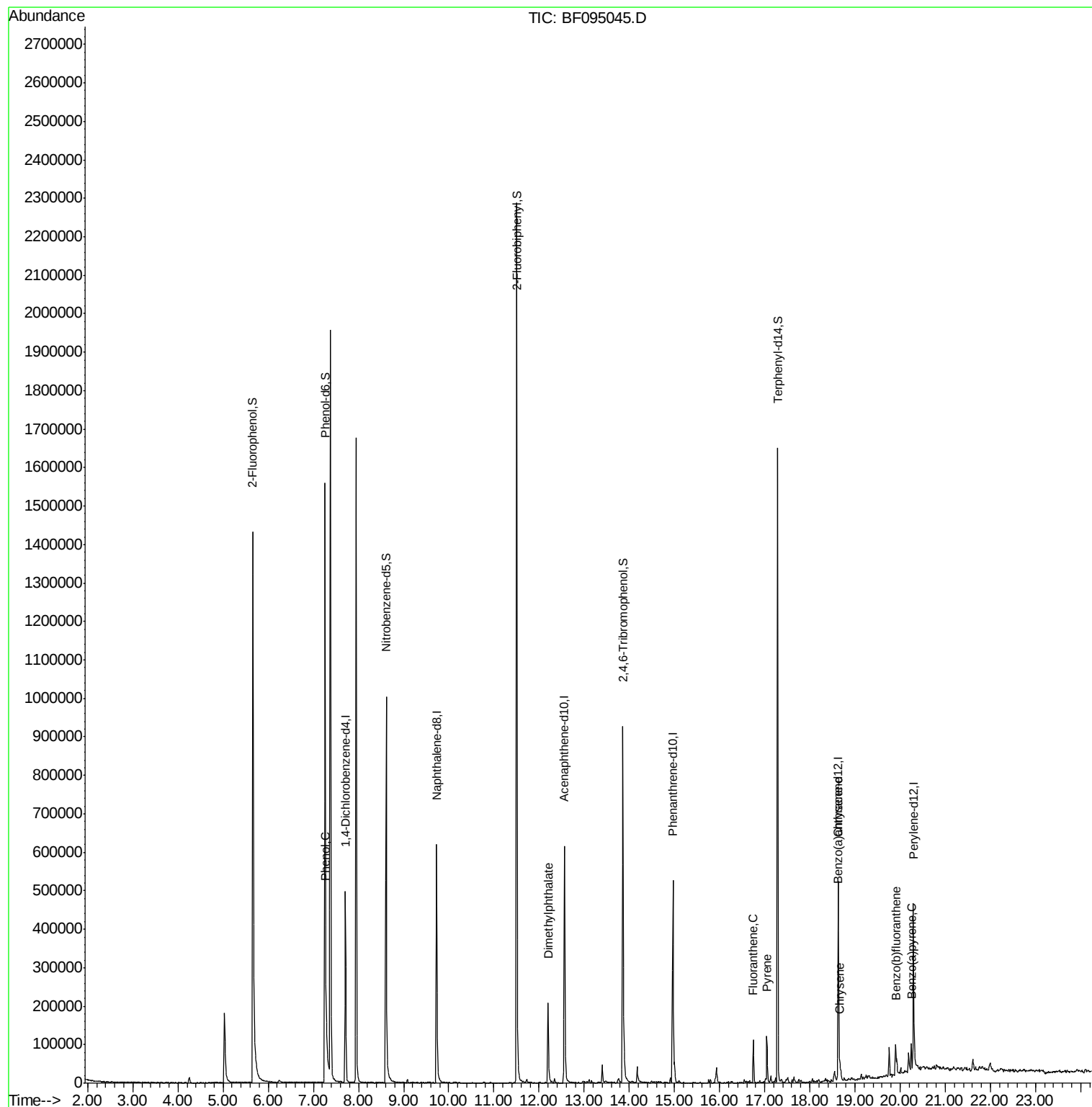
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050917\
Data File : BF095045.D
Acq On : 10 May 2017 3:36
Operator : SJ/MA
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#1

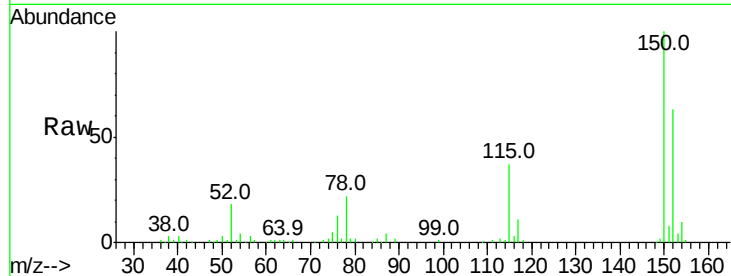
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.71 min Scan# 982
Delta R.T. -0.02 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Instrument :
BNA_F
ClientSampleId :
AST-E(9.5-10)

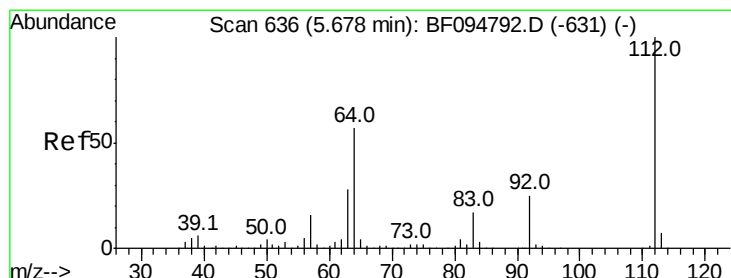
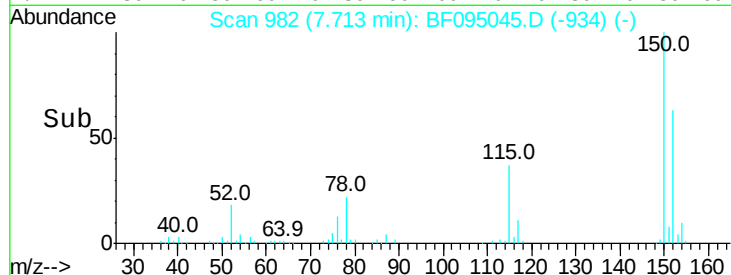
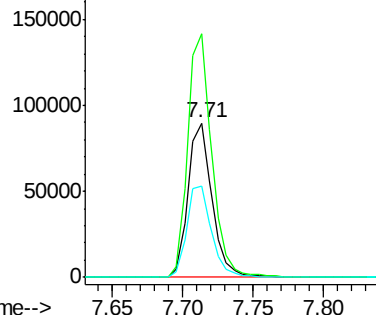
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.2	189.2
115	58.7	52.2	78.2

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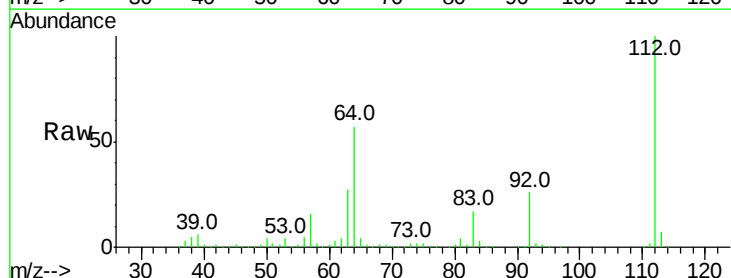
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



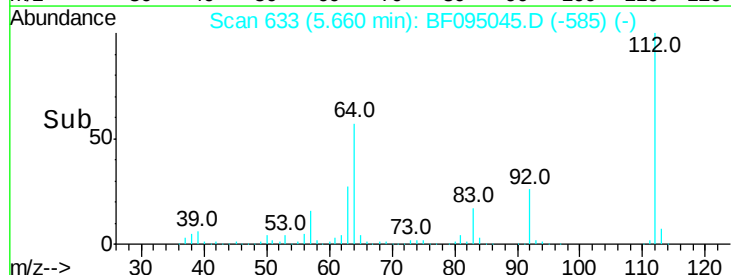
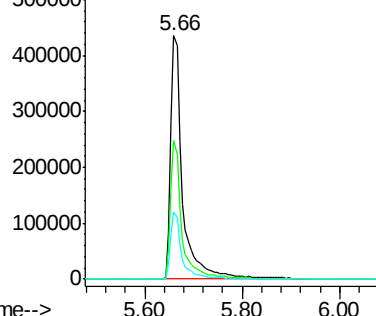
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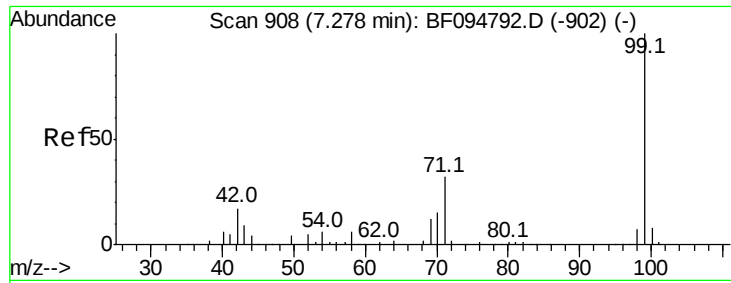
2-Fluorophenol
Concen: 117.49 ng
RT: 5.66 min Scan# 633
Delta R.T. -0.02 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.0	69.0
63	27.3	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: 118.89 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF095045.D

Acq: 10 May 2017 3:36

Instrument :

BNA_F

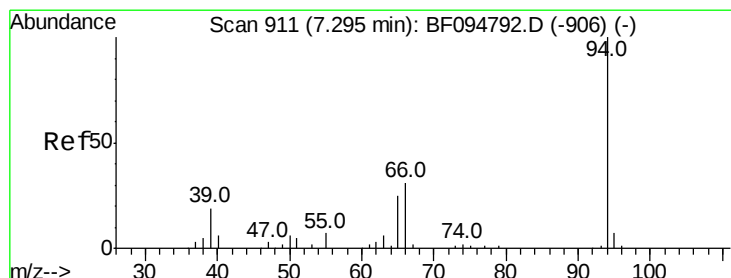
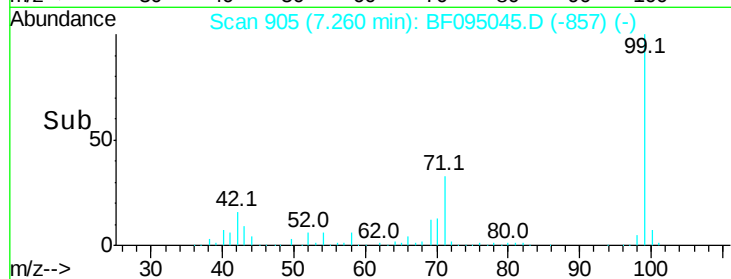
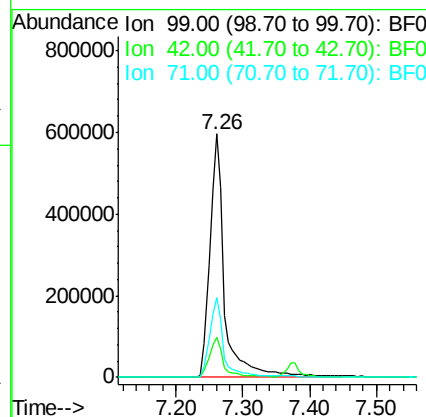
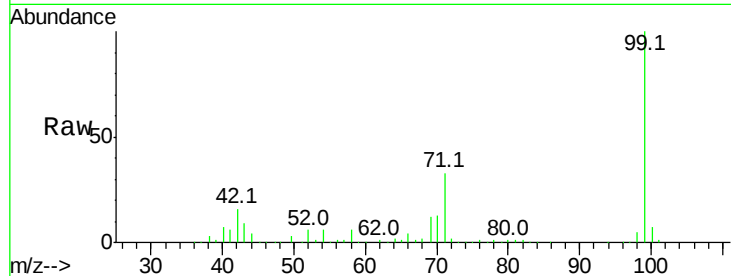
ClientSampleId :

AST-E(9.5-10)

Tot Ion:	99	Resp:	910202
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.5	20.3
71	32.7	24.5	36.7

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#10

Phenol

Concen: 2.42 ng

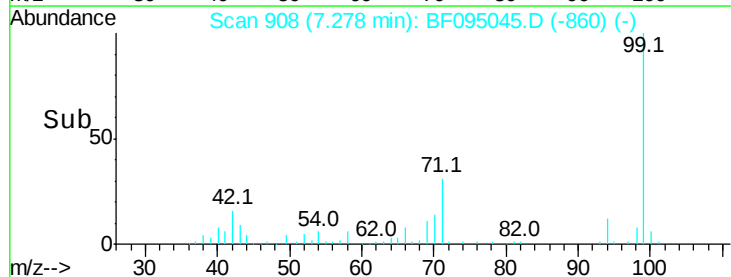
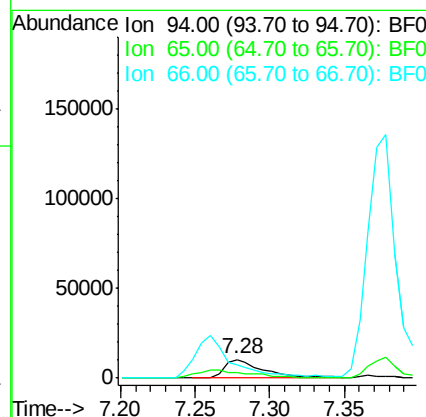
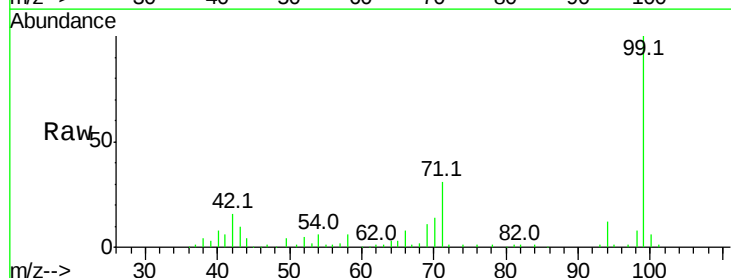
RT: 7.28 min Scan# 908

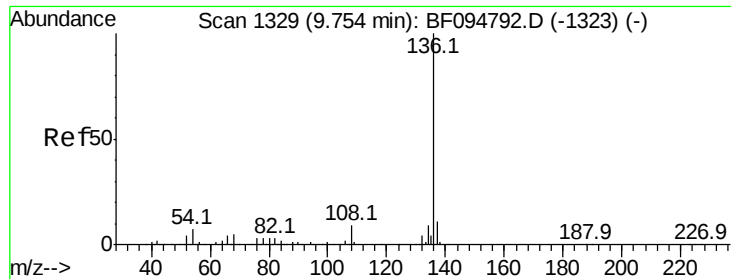
Delta R.T. -0.02 min

Lab File: BF095045.D

Acq: 10 May 2017 3:36

Tgt Ion:	94	Resp:	19561
Ion Ratio	Lower	Upper	
94	100		
65	28.8	9.9	49.9
66	71.9	23.1	63.1#





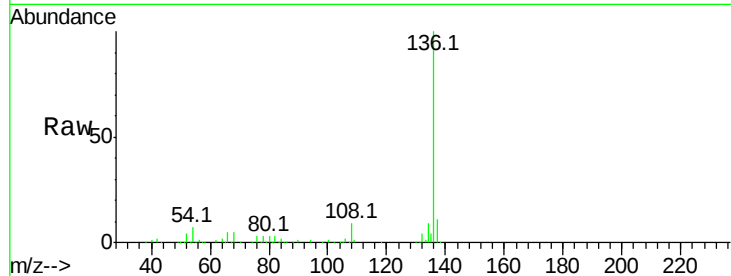
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.73 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Instrument :
BNA_F
ClientSampleId :
AST-E(9.5-10)

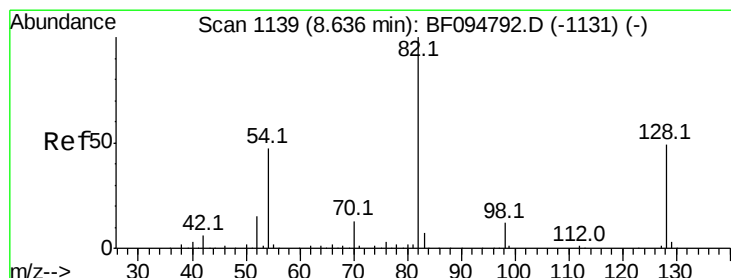
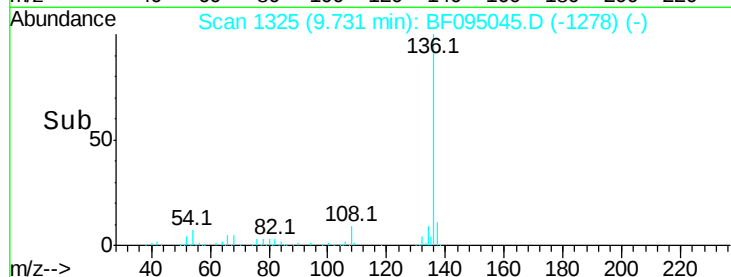
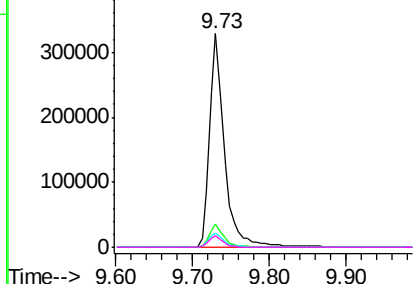
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	8.5	12.7	
54	6.6	4.9	7.3	
68	5.3	4.1	6.1	

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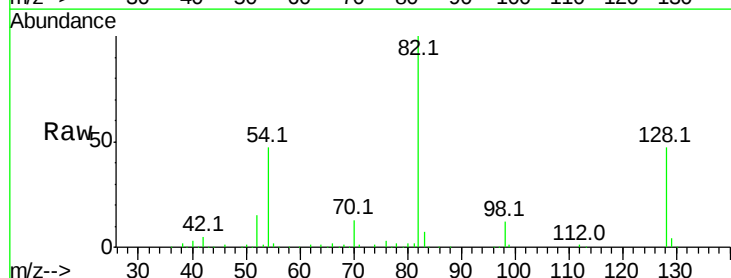


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

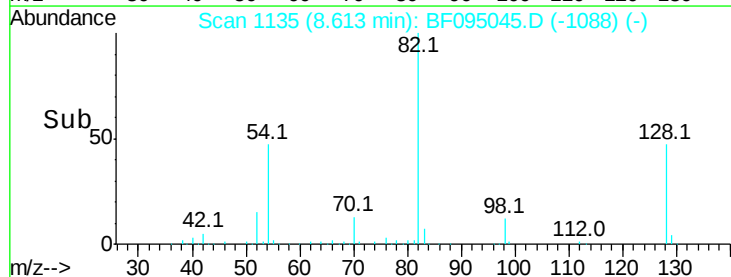
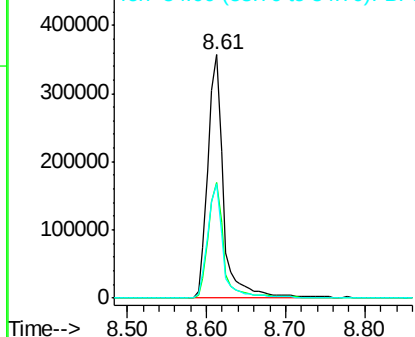


#23
Nitrobenzene-d5
Concen: 71.87 ng
RT: 8.61 min Scan# 1135
Delta R.T. -0.02 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	47.3	34.0	51.0	
54	46.8	42.2	63.2	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





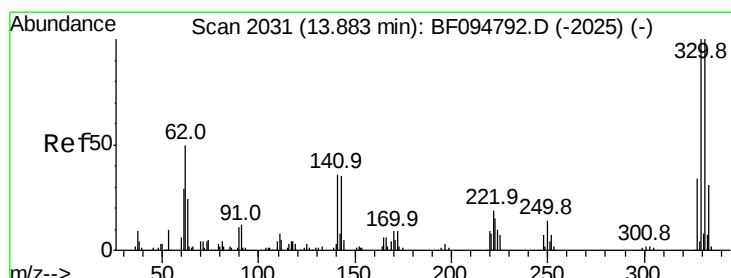
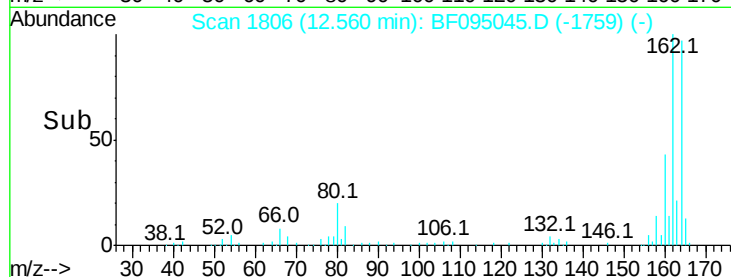
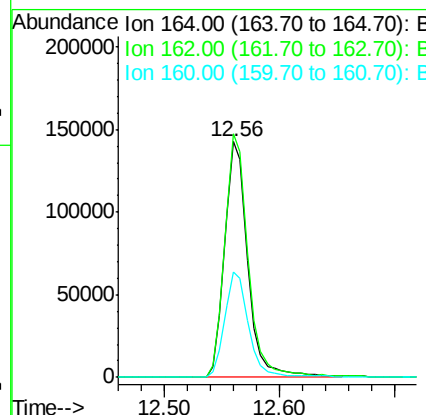
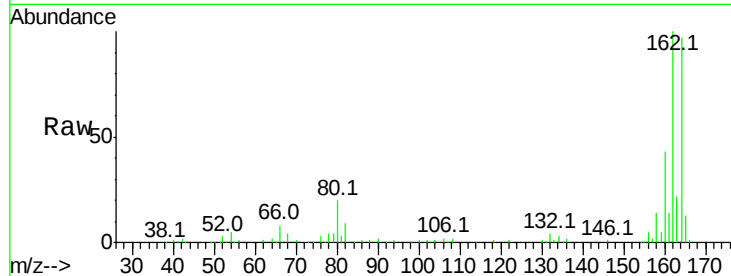
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.56 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Instrument :
BNA_F
ClientSampleId :
AST-E(9.5-10)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	198894		
162	103.5	82.6	123.8	
160	45.0	36.2	54.2	

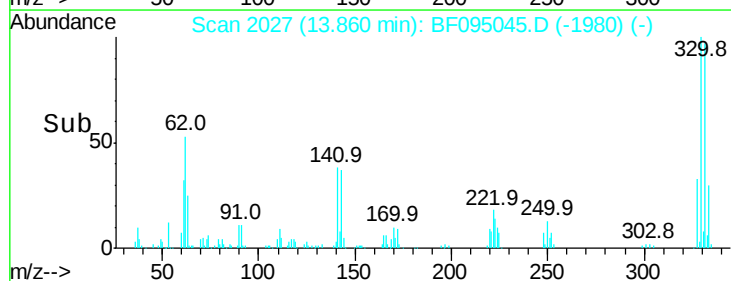
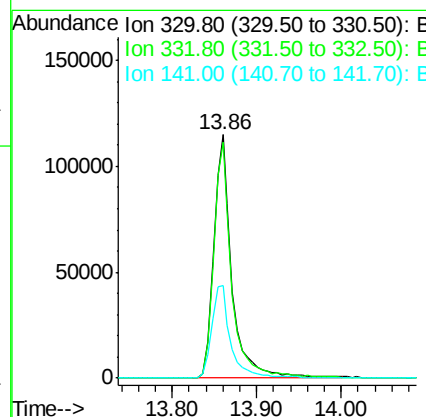
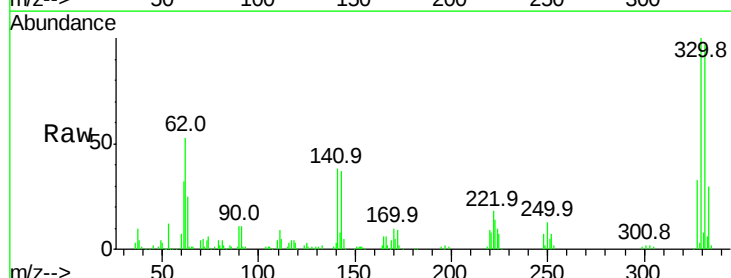
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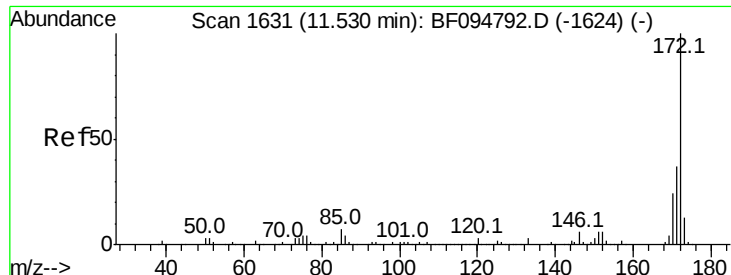
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#41
2,4,6-Tribromophenol
Concen: 106.53 ng
RT: 13.86 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	173532		
332	96.8	76.6	115.0	
141	39.1	31.4	47.2	





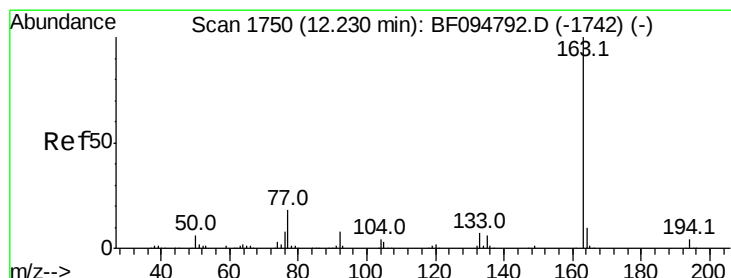
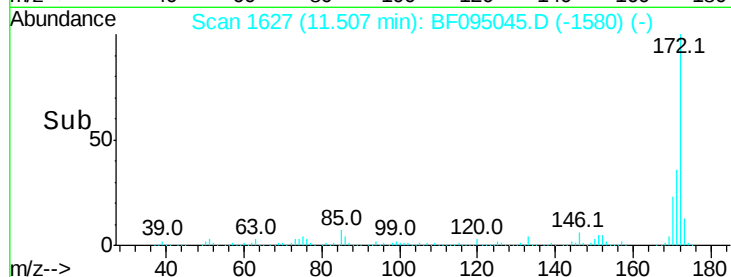
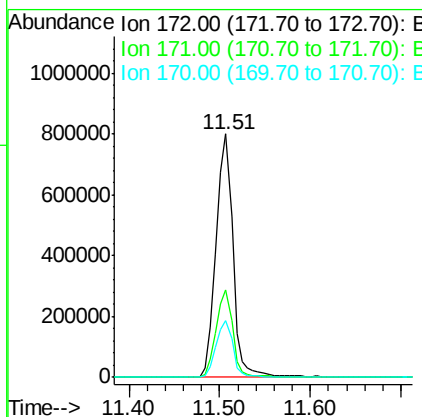
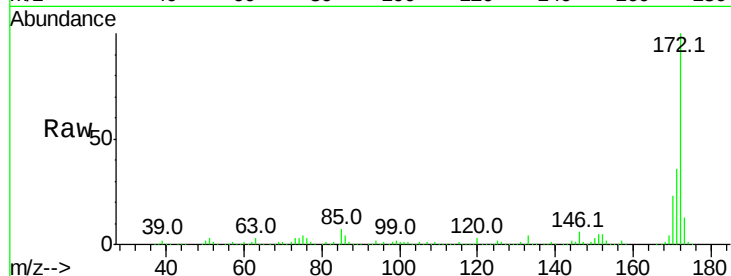
#44
2-Fluorobiphenyl
Concen: 75.18 ng
RT: 11.51 min Scan# 1627
Delta R.T. -0.02 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Instrument :
BNA_F
ClientSampleId :
AST-E(9.5-10)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.1	19.8	29.8

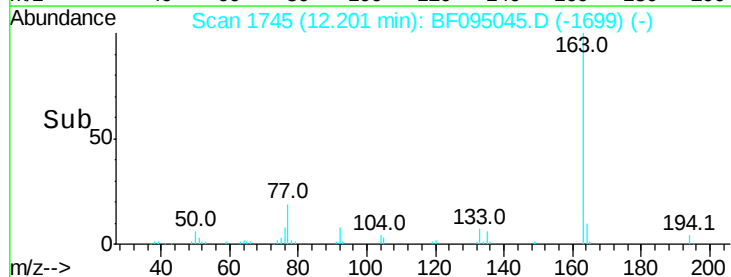
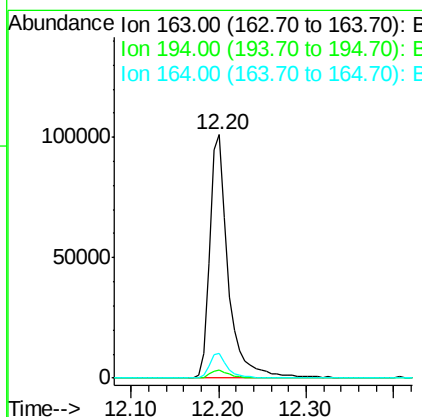
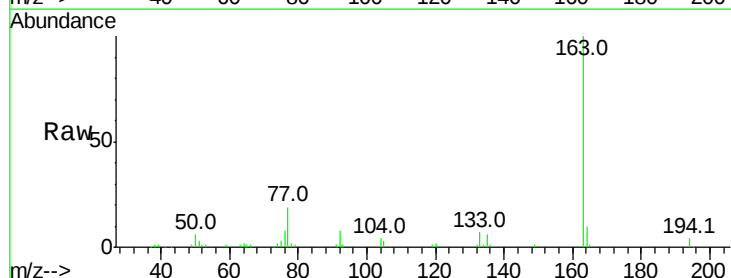
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#49
Dimethylphthalate
Concen: 9.11 ng
RT: 12.20 min Scan# 1745
Delta R.T. -0.03 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.1	8.4	12.6





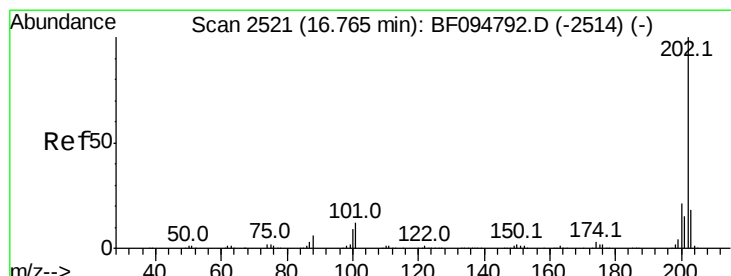
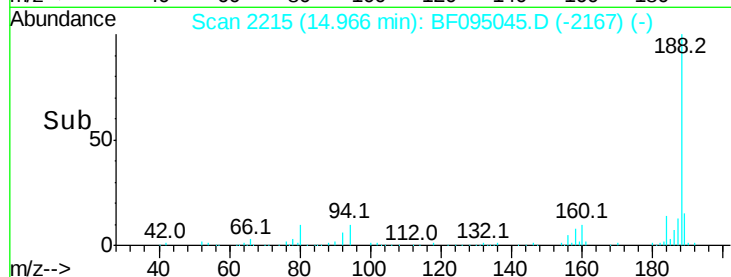
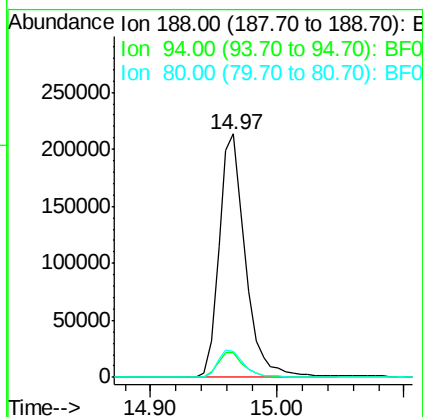
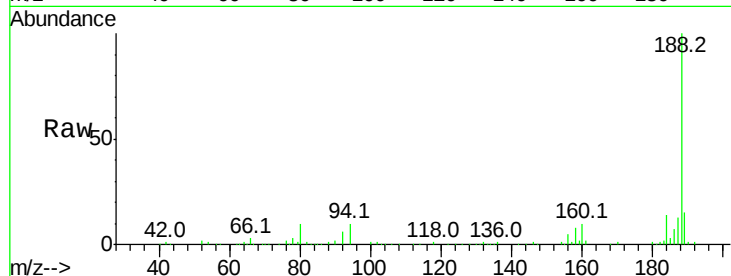
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2215
Delta R.T. -0.02 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Instrument :
BNA_F
ClientSampleId :
AST-E(9.5-10)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	9.4	14.2
80	10.5	10.2	15.2

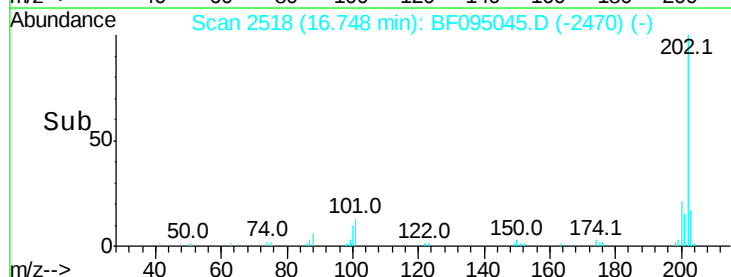
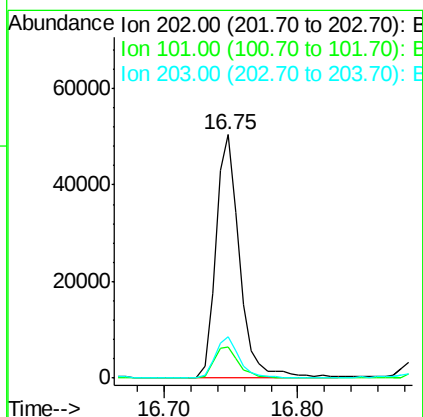
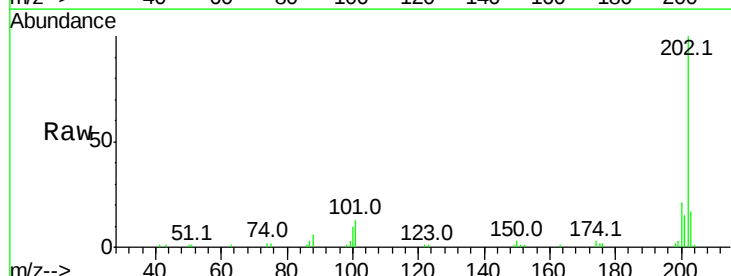
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#74
Fluoranthene
Concen: 3.50 ng
RT: 16.75 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 2838

Delta R.T. -0.02 min

Lab File: BF095045.D

Acq: 10 May 2017 3:36

Instrument :

BNA_F

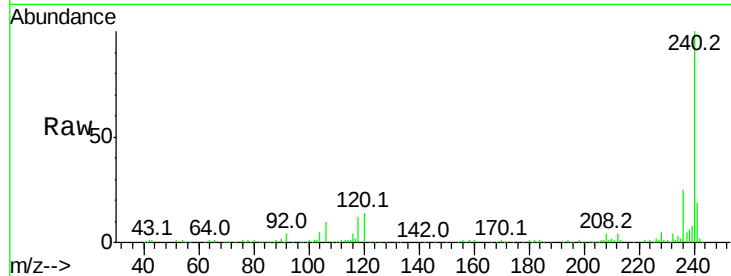
ClientSampleId :

AST-E(9.5-10)

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.3	5.8	8.8#
236	24.8	20.5	30.7

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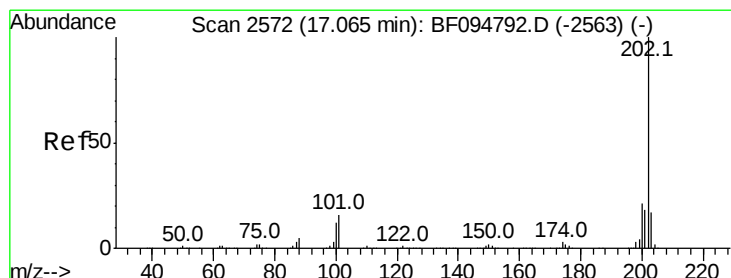
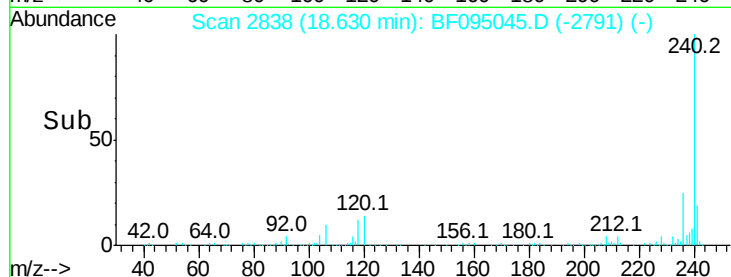
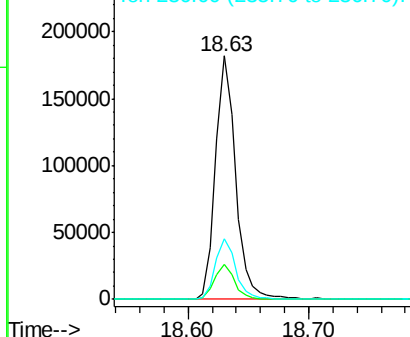
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.74 ng

RT: 17.05 min Scan# 2569

Delta R.T. -0.02 min

Lab File: BF095045.D

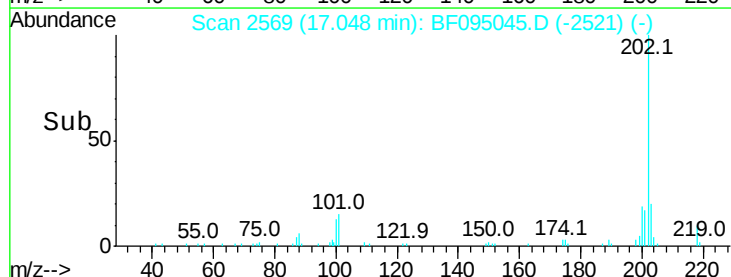
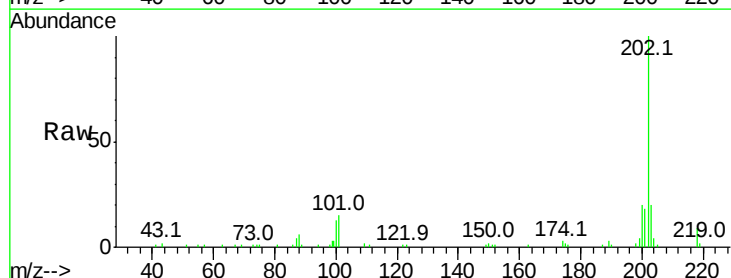
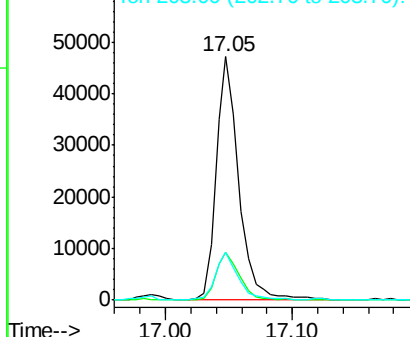
Acq: 10 May 2017 3:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.6	26.4
203	19.8	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





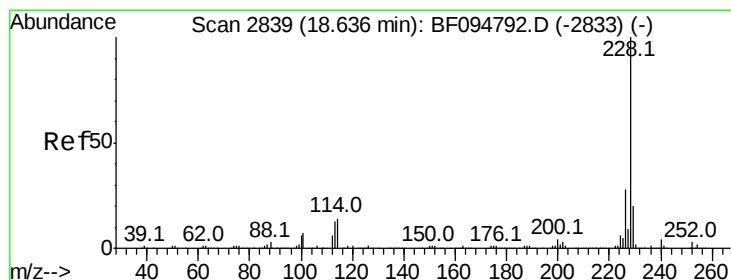
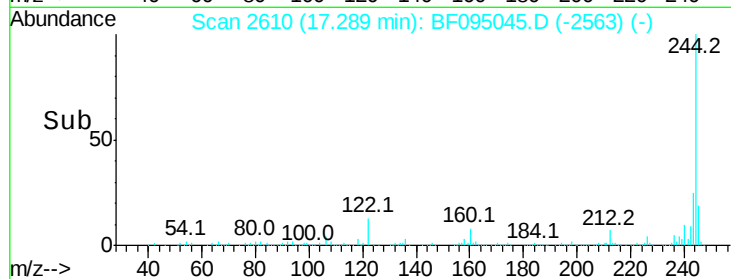
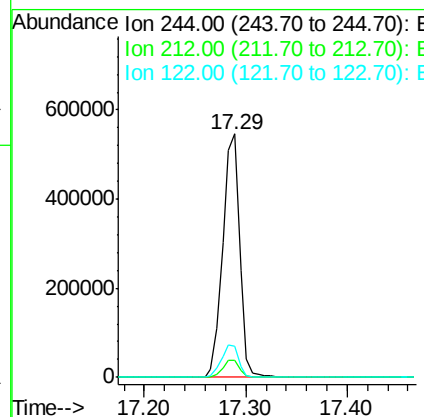
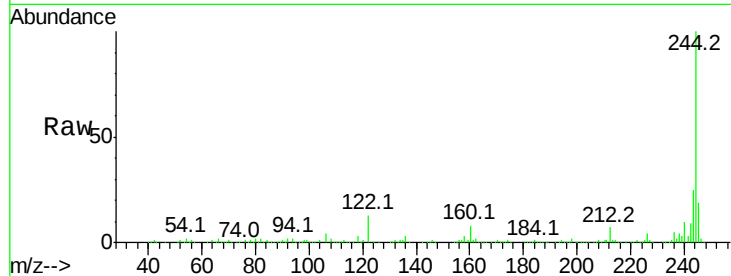
#78
 Terphenyl-d14
 Concen: 67.04 ng
 RT: 17.29 min Scan# 2610
 Delta R.T. -0.02 min
 Lab File: BF095045.D
 Acq: 10 May 2017 3:36

Instrument :
 BNA_F
 ClientSampleId :
 AST-E(9.5-10)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.0	10.3	15.5

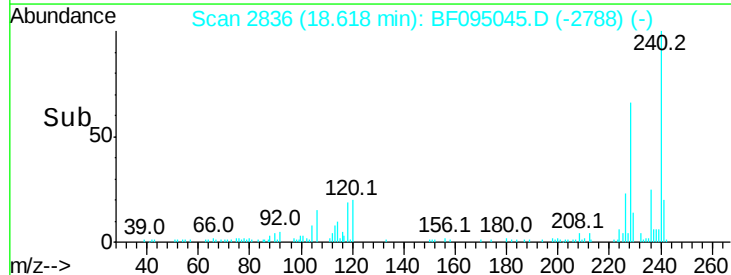
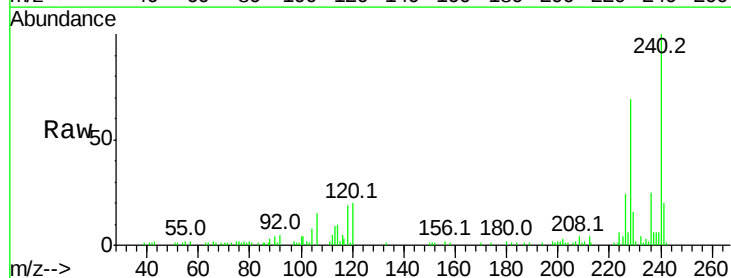
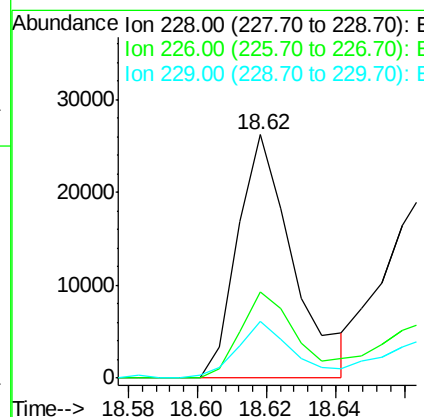
Manual Integrations
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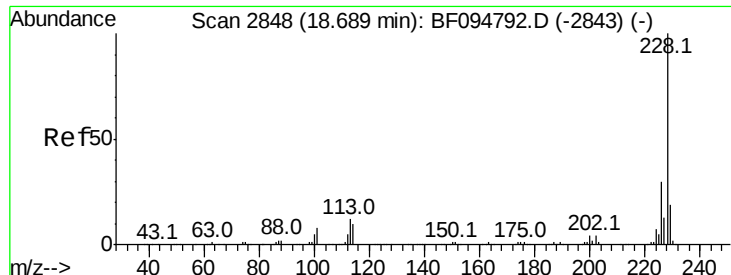
mohammad
 5/10/2017 11:47:42 AM



#80
 Benzo(a)anthracene
 Concen: 2.39 ng m
 RT: 18.62 min Scan# 2836
 Delta R.T. -0.02 min
 Lab File: BF095045.D
 Acq: 10 May 2017 3:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.3	22.6	33.8#
229	23.5	16.3	24.5





#82

Chrysene

Concen: 2.65 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BF095045.D

Acq: 10 May 2017 3:36

Instrument :

BNA_F

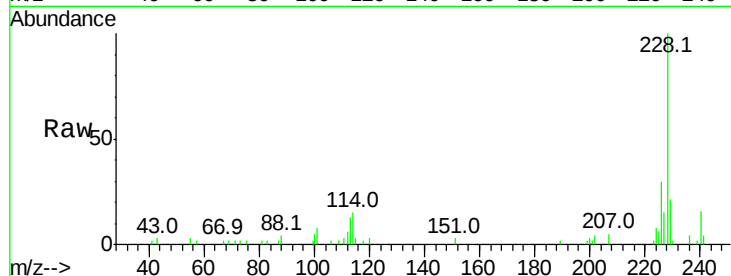
ClientSampleId :

AST-E(9.5-10)

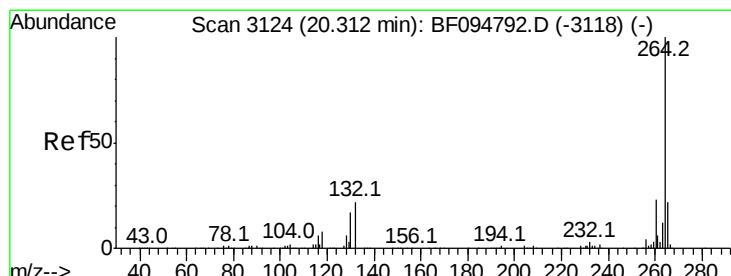
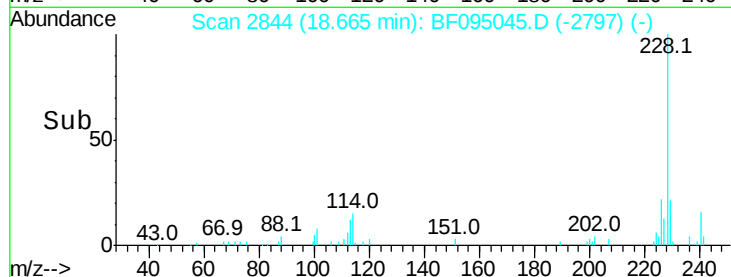
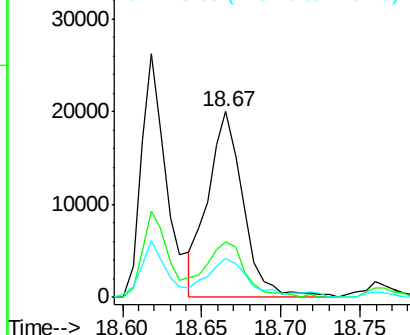
Tot Ion:	228	Resp:	31212
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.9	37.3
229	20.7	15.8	23.6

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.30 min Scan# 3122

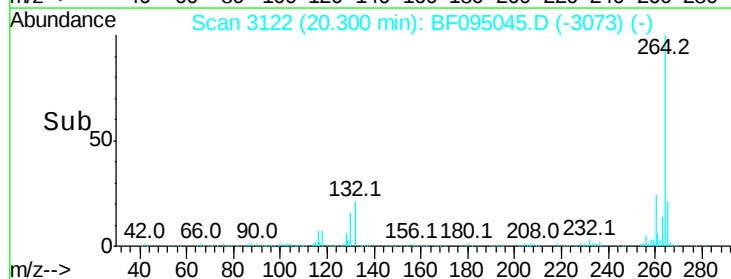
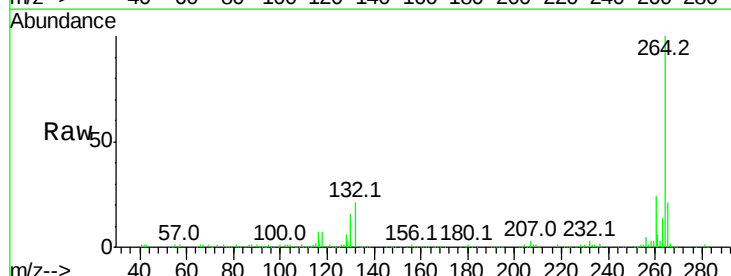
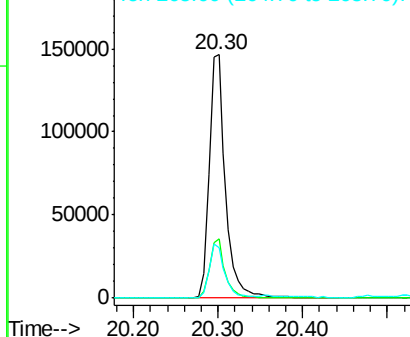
Delta R.T. -0.01 min

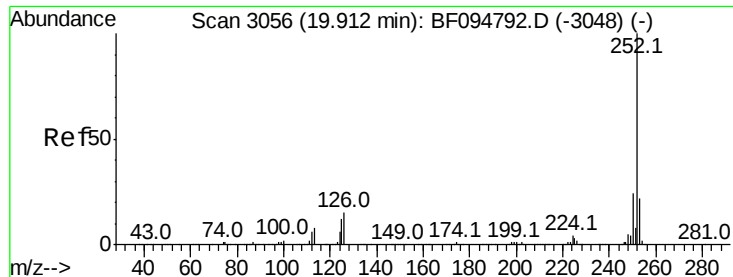
Lab File: BF095045.D

Acq: 10 May 2017 3:36

Tgt Ion:	264	Resp:	199093
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	20.6	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





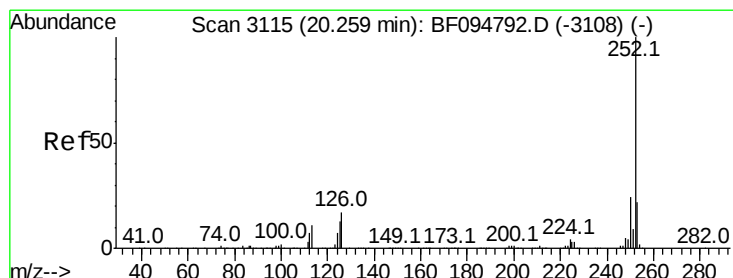
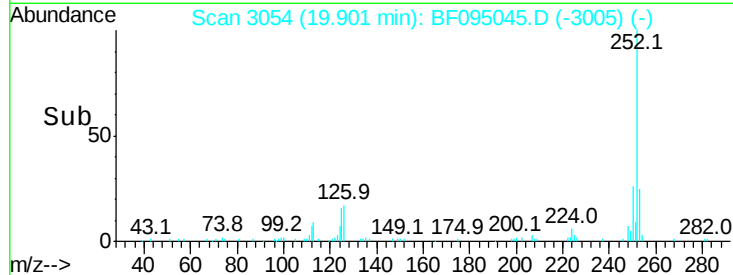
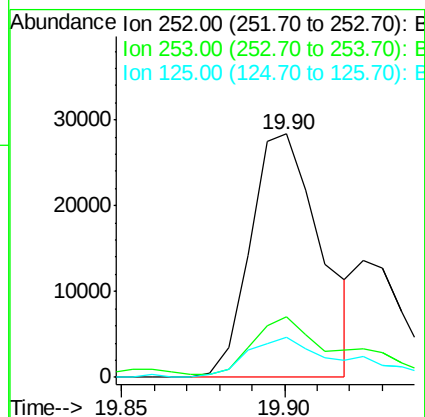
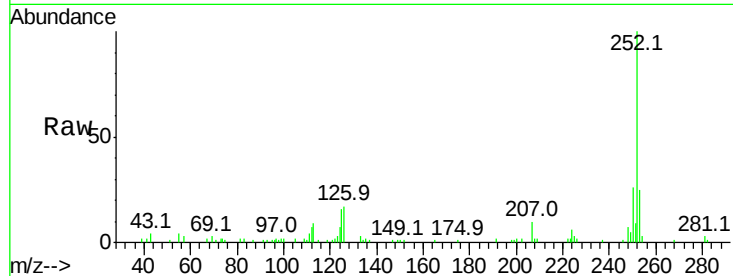
#87
Benzo(b)fluoranthene
Concen: 3.45 ng m
RT: 19.90 min Scan# 3054
Delta R.T. -0.01 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Instrument :
BNA_F
ClientSampleId :
AST-E(9.5-10)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	42471		
253	24.6	18.1	27.1	
125	16.3	9.8	14.8	

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#89
Benzo(a)pyrene
Concen: 2.70 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF095045.D
Acq: 10 May 2017 3:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	30623		
253	23.0	17.5	26.3	
125	12.6	11.0	16.4	

