

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095772.D
 Acq On : 8 Jun 2017 5:55
 Operator : SJ/MA
 Sample : I3469-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-2)20170603

Manual Integrations
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Quant Time: Jun 08 12:01:54 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	7.39	152	74317	20.00	ng	-0.01
21) Naphthalene-d8	9.42	136	282187	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	109553	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	167132	20.00	ng	-0.01
75) Chrysene-d12	18.35	240	141282	20.00	ng	0.00
86) Perylene-d12	20.02	264	97194	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	490966	105.27	ng	-0.01
7) Phenol-d6	6.95	99	593086	106.22	ng	-0.01
23) Nitrobenzene-d5	8.30	82	326870	71.94	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	88025	90.81	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	580721	73.76	ng	-0.02
78) Terphenyl-d14	17.00	244	362825	63.73	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	11.89	163	101223	12.17	ng	99
51) Acenaphthene	12.29	154	26354	3.78	ng	90
57) Fluorene	13.13	166	25426	2.98	ng	94
70) Phenanthrene	14.67	178	270610	28.06	ng	98
71) Anthracene	14.76	178	74968	7.45	ng	98
72) Carbazole	15.06	167	23373	2.38	ng	96
74) Fluoranthene	16.44	202	312403	32.73	ng	98
77) Pyrene	16.75	202	270821	25.69	ng	96
80) Benzo(a)anthracene	18.34	228	124704	15.18	ng	100
82) Chrysene	18.38	228	105728	12.88	ng	98
85) Indeno(1,2,3-cd)pyrene	21.20	276	38938m	5.54	ng	
87) Benzo(b)fluoranthene	19.62	252	109086	17.92	ng	# 97
88) Benzo(k)fluoranthene	19.64	252	31421m	5.40	ng	
89) Benzo(a)pyrene	19.96	252	76630	13.70	ng	96
90) Dibenzo(a,h)anthracene	21.20	278	9640m	2.03	ng	
91) Benzo(g,h,i)perylene	21.53	276	35828	7.41	ng	98

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

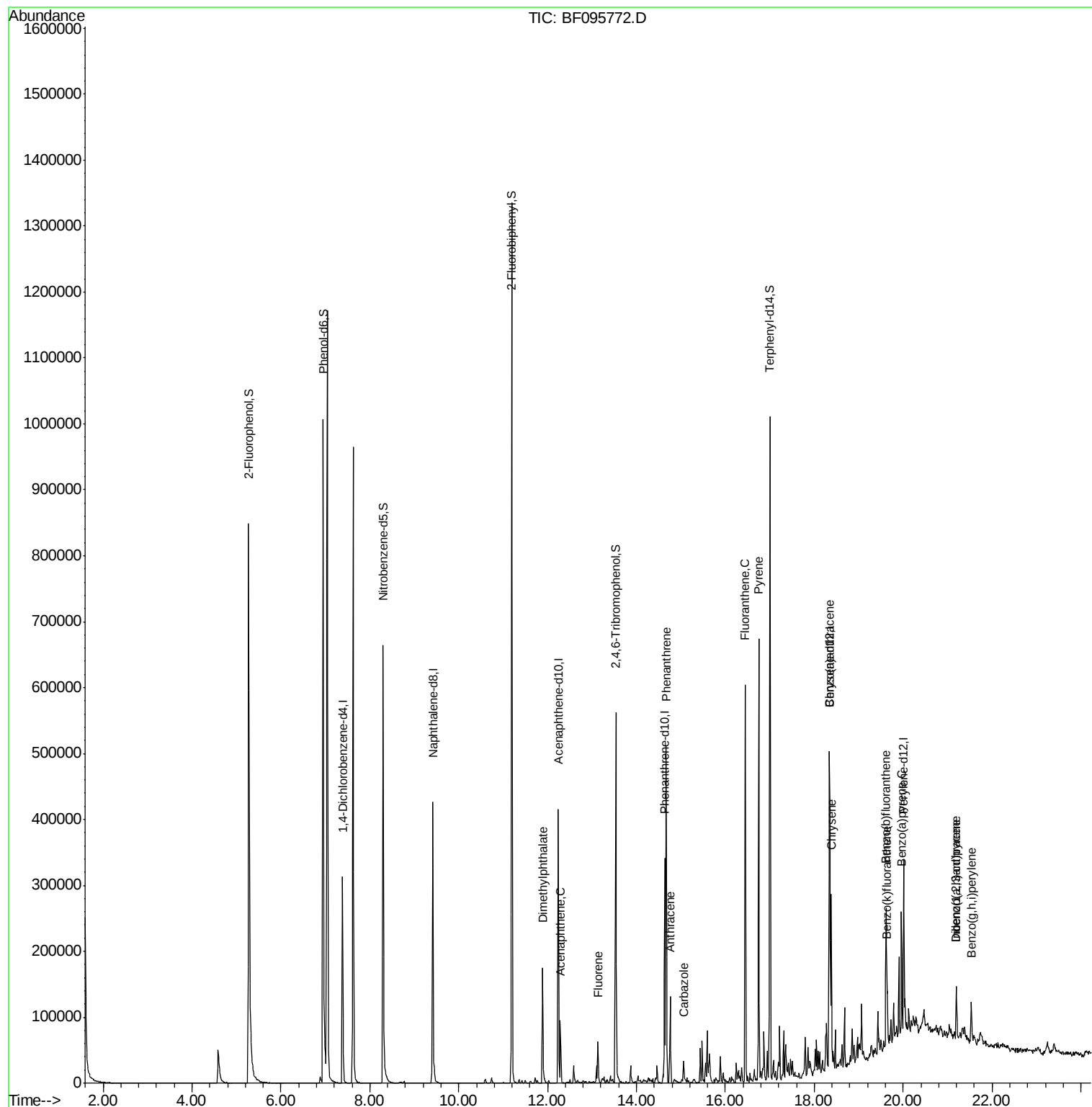
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
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#1

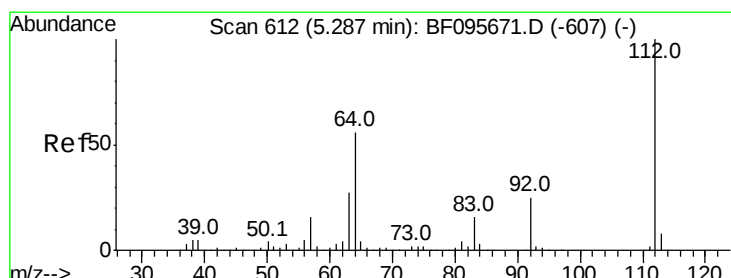
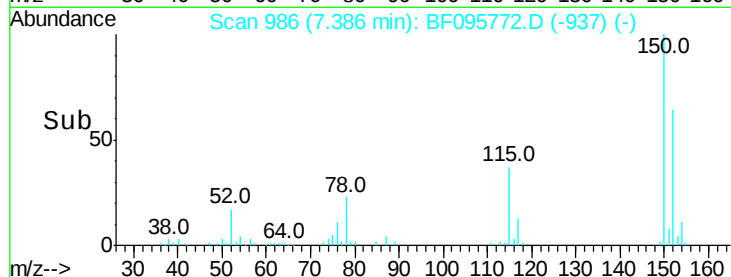
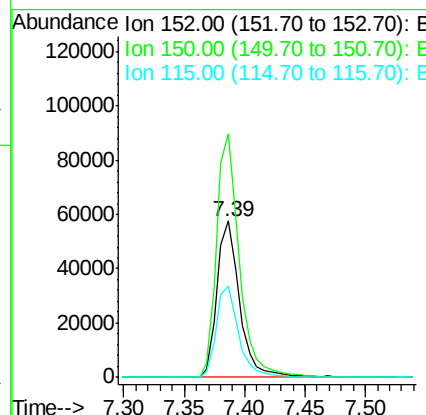
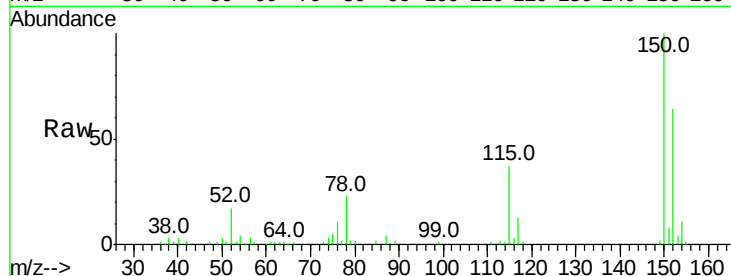
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170603

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	58.1	52.2	78.2

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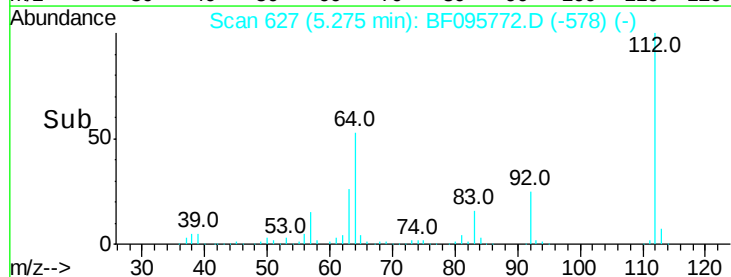
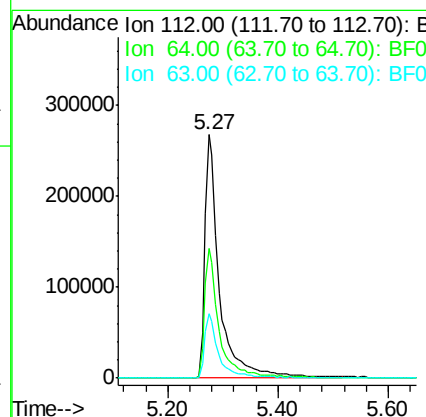
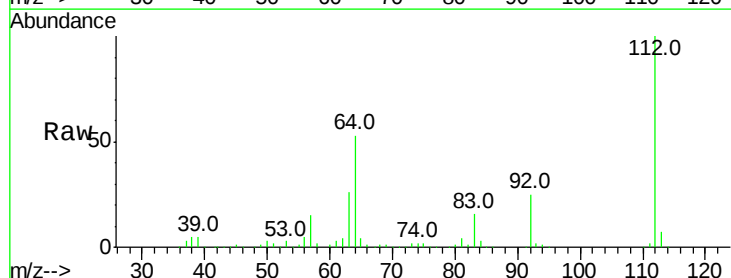
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#5

2-Fluorophenol
Concen: 105.27 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	46.0	69.0
63	26.3	23.4	35.0





#7

Phenol-d6

Concen: 106.22 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095772.D

Acq: 8 Jun 2017 5:55

Instrument :

BNA_F

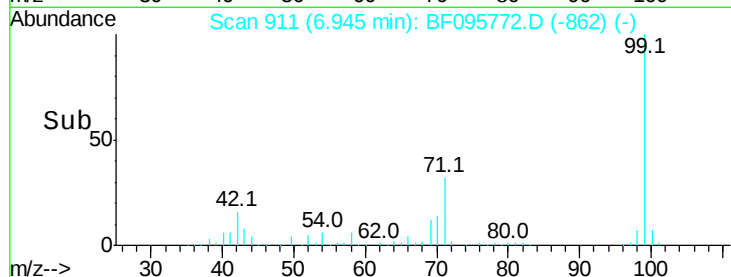
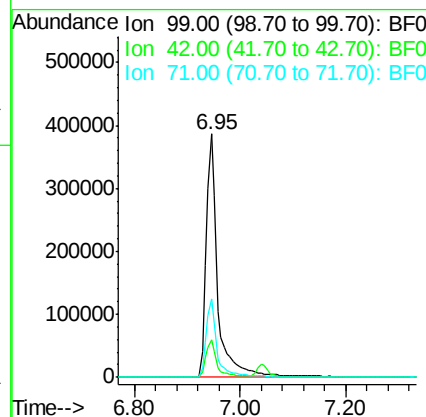
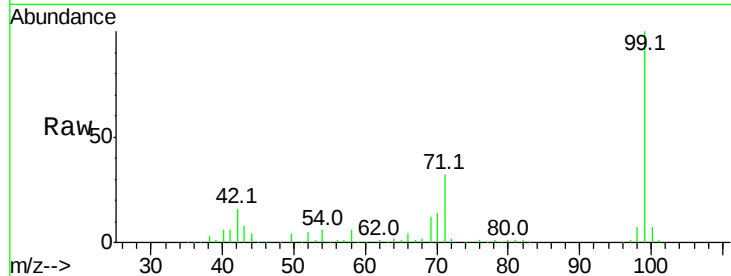
ClientSampleId :

SB-1(0-2)20170603

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		593086		
42	15.7	13.5	20.3		
71	32.1	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

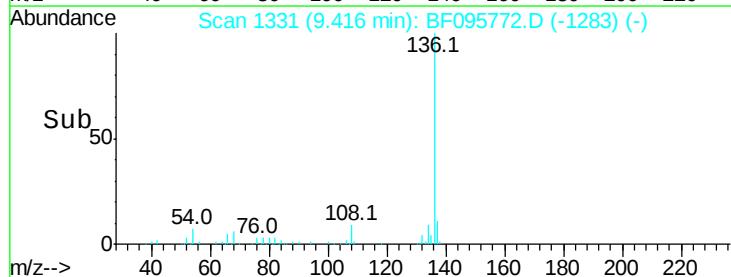
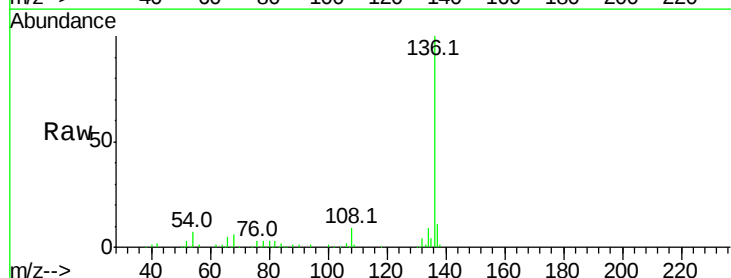
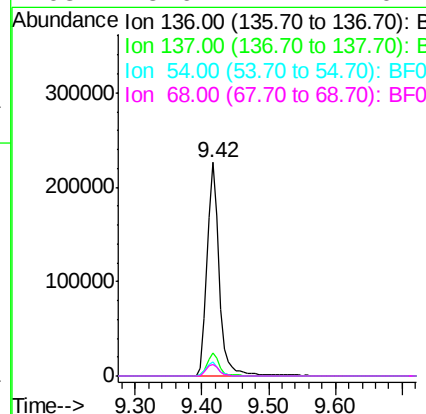
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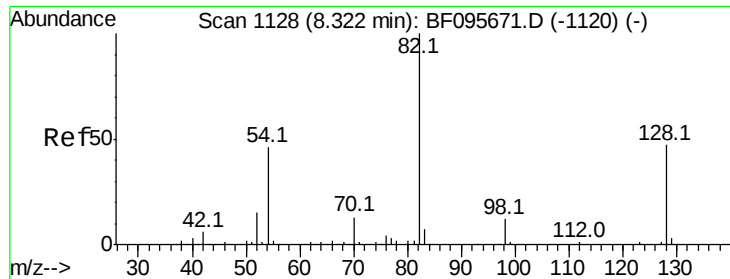
Delta R.T. -0.02 min

Lab File: BF095772.D

Acq: 8 Jun 2017 5:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		282187		
137	10.6	8.5	12.7		
54	6.6	4.9	7.3		
68	5.6	4.1	6.1		





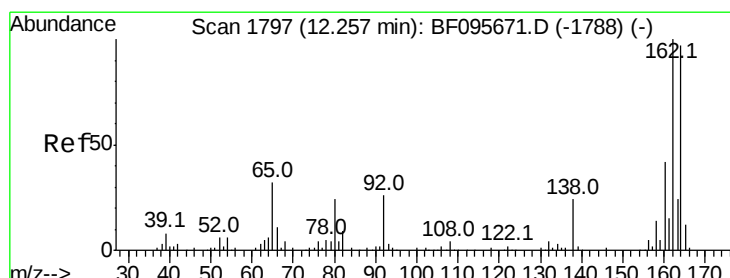
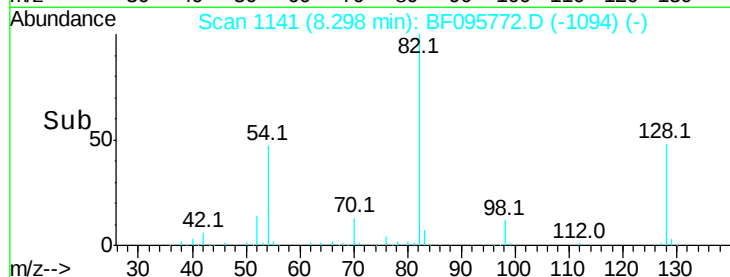
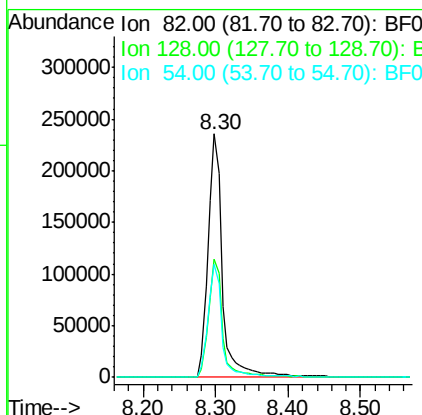
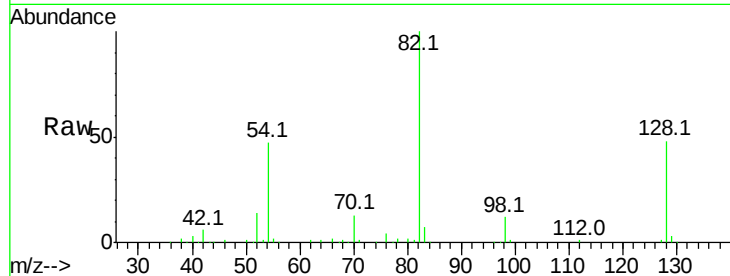
#23
Nitrobenzene-d5
Concen: 71.94 ng
RT: 8.30 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170603

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.0	51.0
54	46.5	42.2	63.2

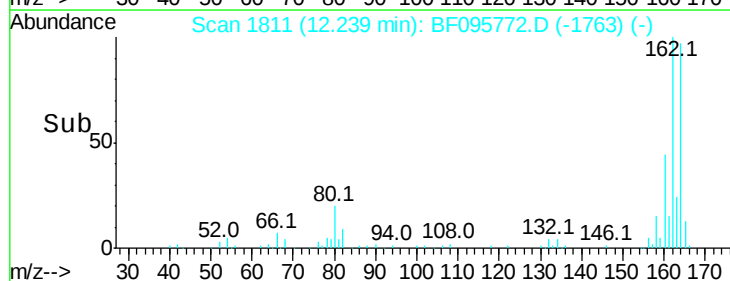
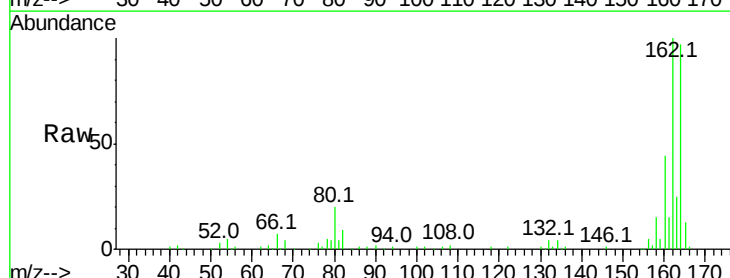
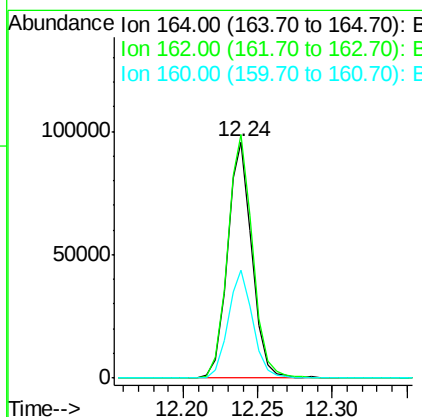
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 1811
Delta R.T. -0.02 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.6	123.8
160	45.8	36.2	54.2





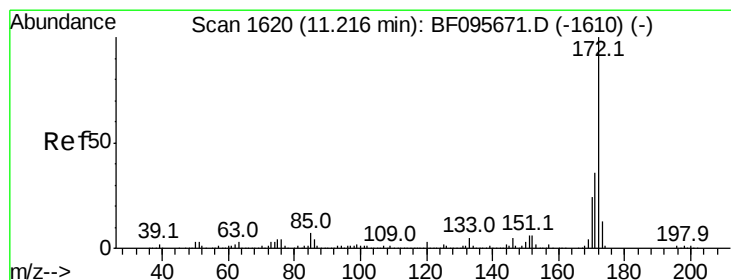
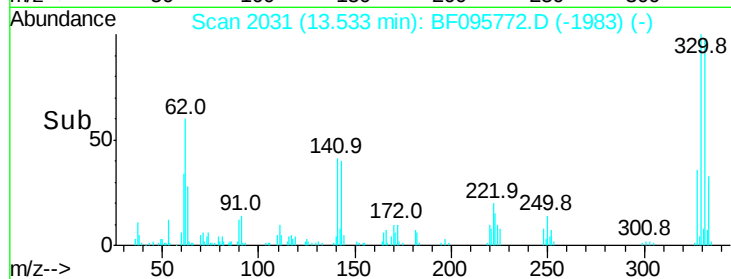
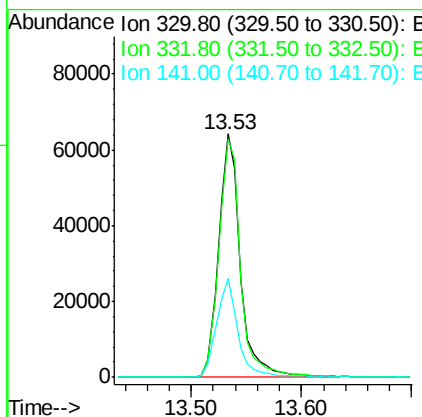
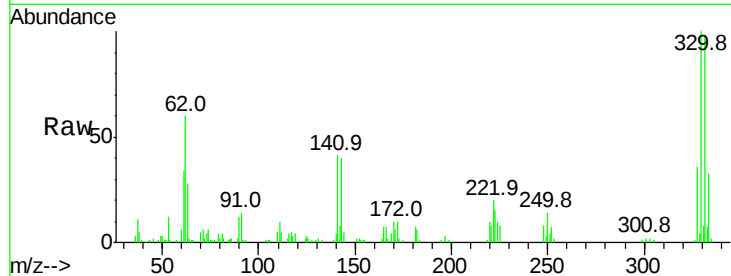
#41
 2,4,6-Tribromophenol
 Concen: 90.81 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-2)20170603

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.7		76.6	115.0
141	39.8		31.4	47.2

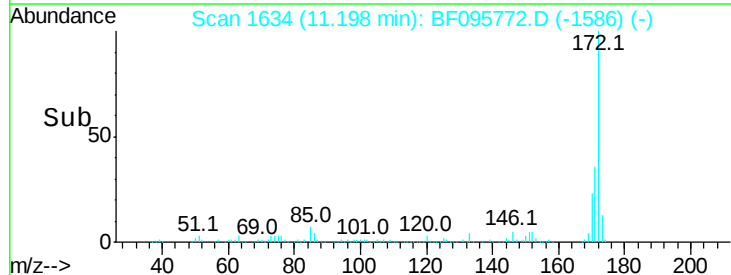
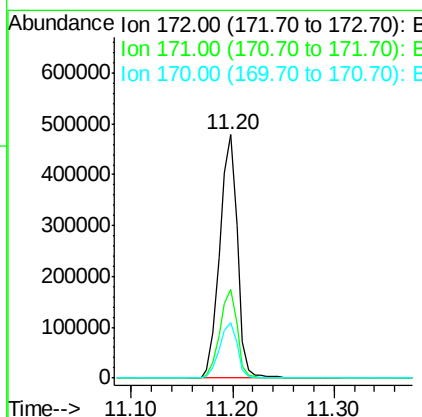
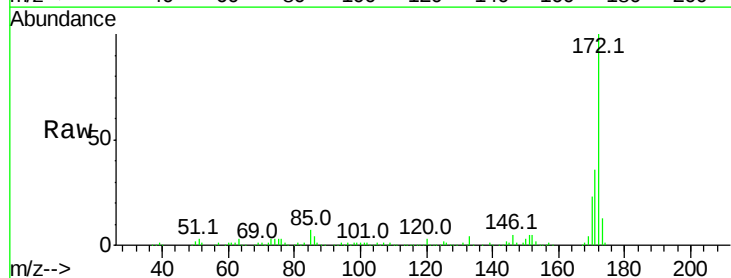
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#44
 2-Fluorobiphenyl
 Concen: 73.76 ng
 RT: 11.20 min Scan# 1634
 Delta R.T. -0.02 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2		29.6	44.4
170	22.9		19.8	29.8





#49

Dimethylphthalate

Concen: 12.17 ng

RT: 11.89 min Scan# 1751

Delta R.T. -0.03 min

Lab File: BF095772.D

Acq: 8 Jun 2017 5:55

Instrument :

BNA_F

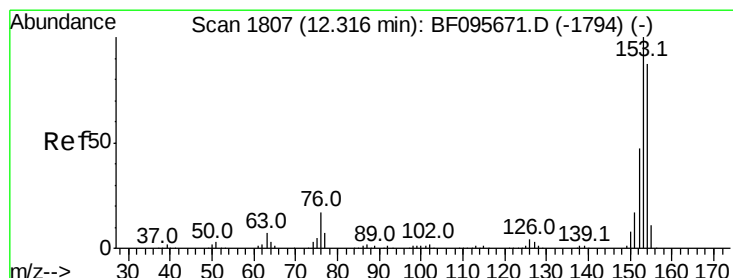
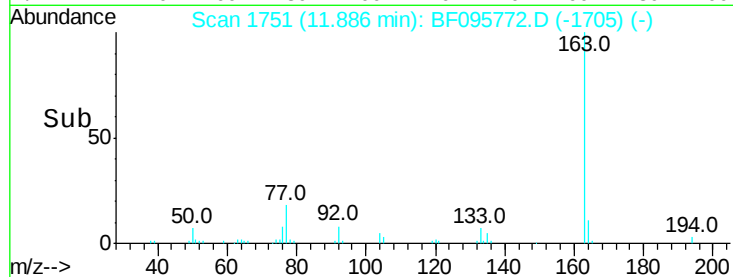
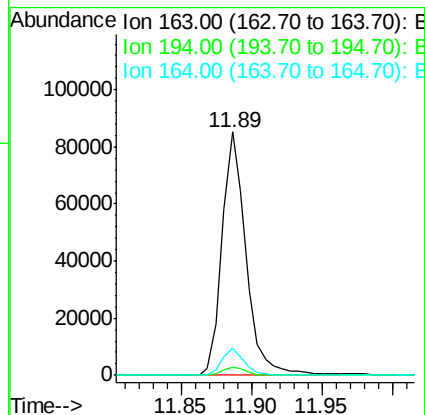
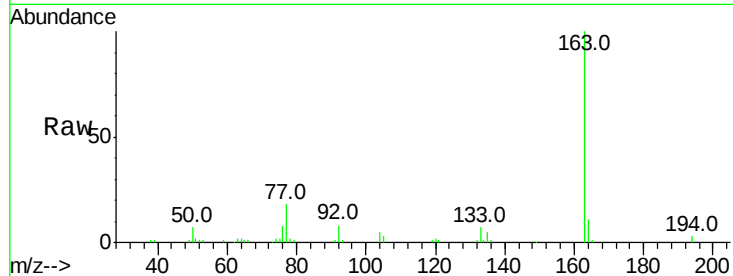
ClientSampleId :

SB-1(0-2)20170603

Tot Ion:	163	Resp:	101223
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	11.0	8.4	12.6

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#51

Acenaphthene

Concen: 3.78 ng

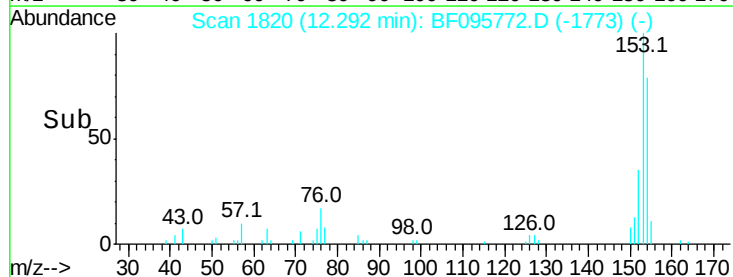
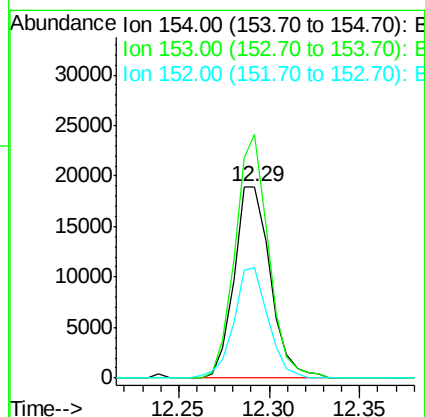
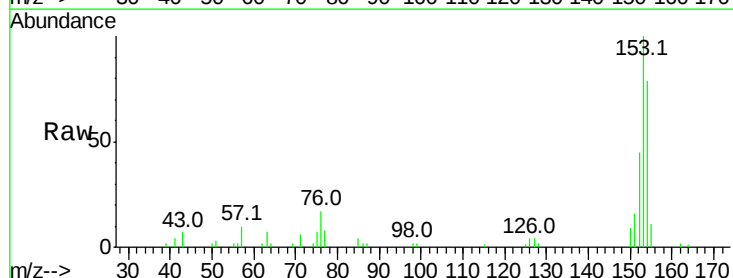
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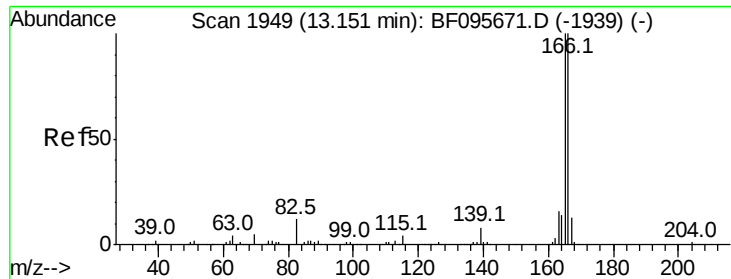
Delta R.T. -0.02 min

Lab File: BF095772.D

Acq: 8 Jun 2017 5:55

Tgt Ion:	154	Resp:	26354
Ion Ratio	Lower	Upper	
154	100		
153	127.2	90.5	135.7
152	57.4	43.6	65.4





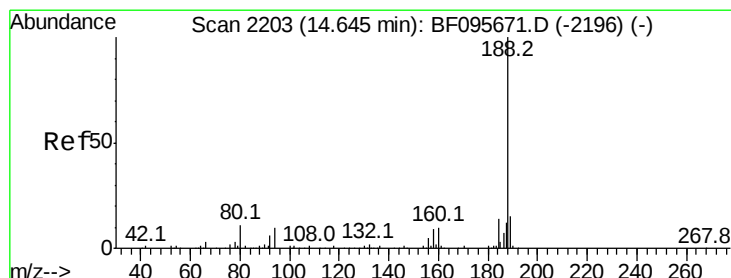
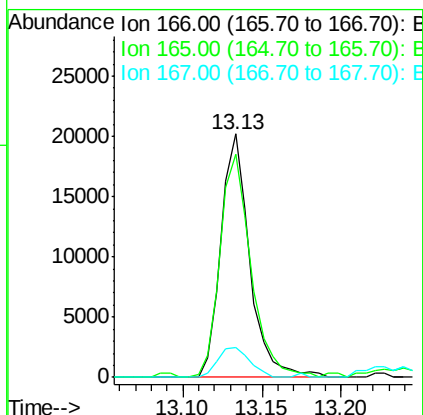
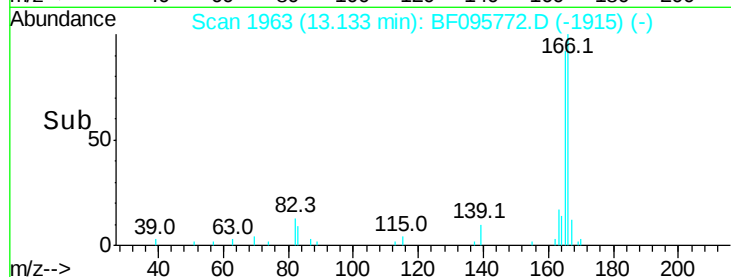
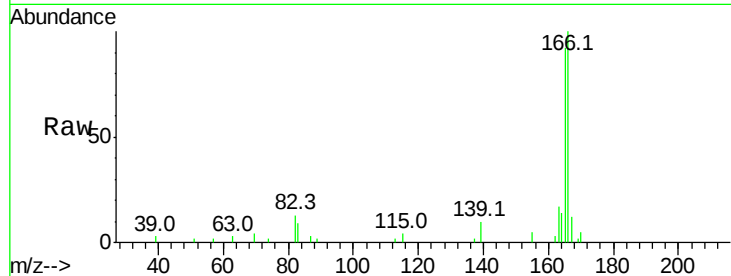
#57
Fluorene
Concen: 2.98 ng
RT: 13.13 min Scan# 1963
Delta R.T. -0.02 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170603

Tot Ion	Ratio	Lower	Upper
166	100		
165	91.7	78.8	118.2
167	12.5	10.6	16.0

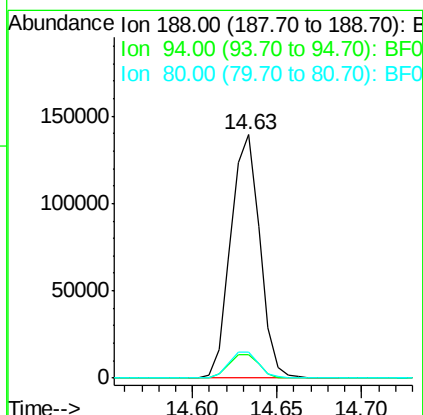
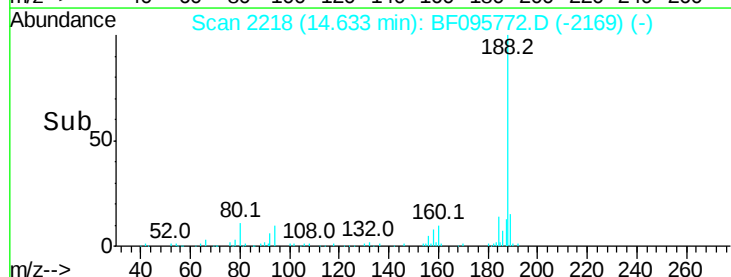
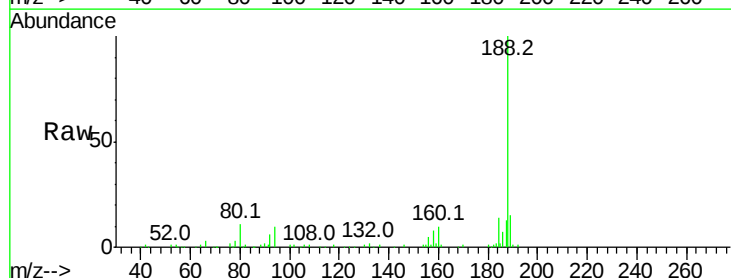
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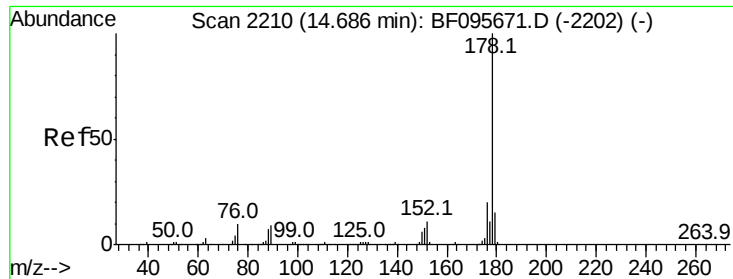
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.4	14.2
80	10.8	10.2	15.2





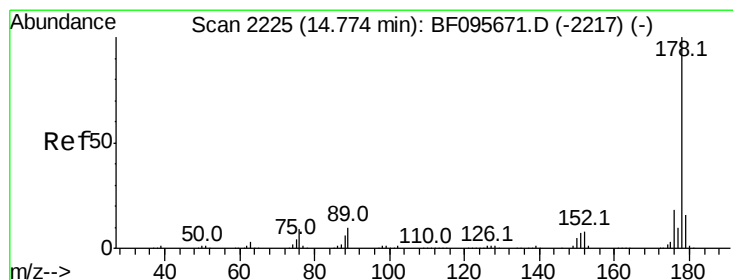
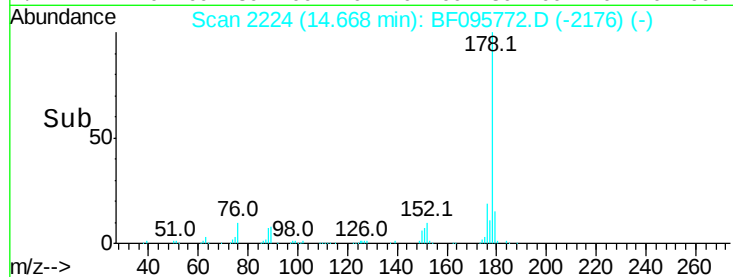
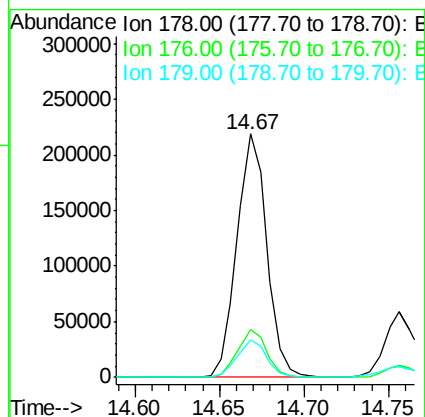
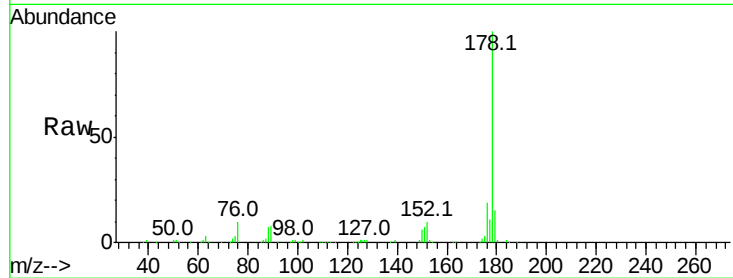
#70
Phenanthrene
Concen: 28.06 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170603

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.4
179	15.2	12.6	19.0

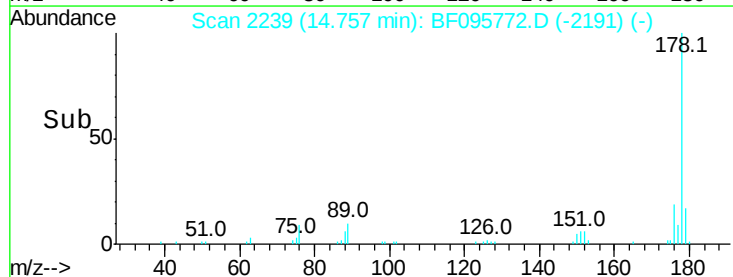
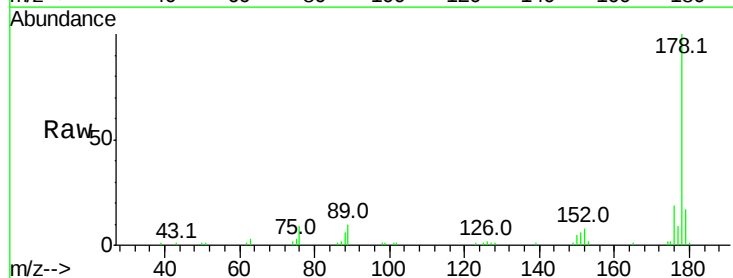
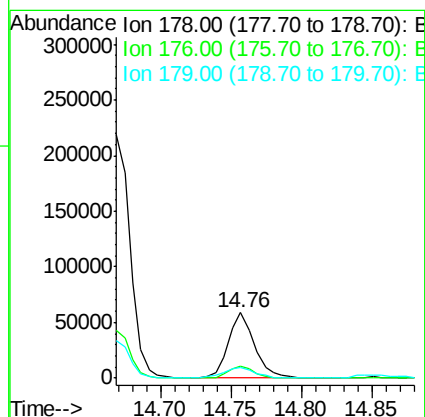
Manual Integrations
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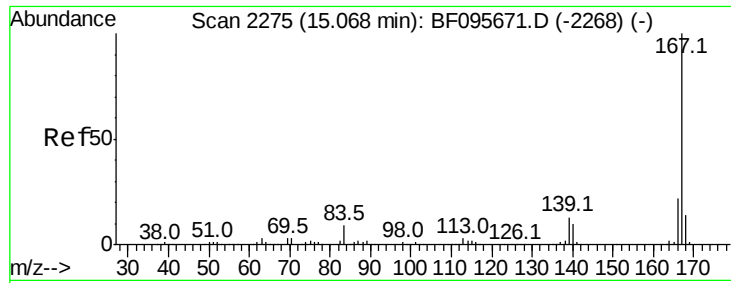
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#71
Anthracene
Concen: 7.45 ng
RT: 14.76 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	16.8	12.7	19.1





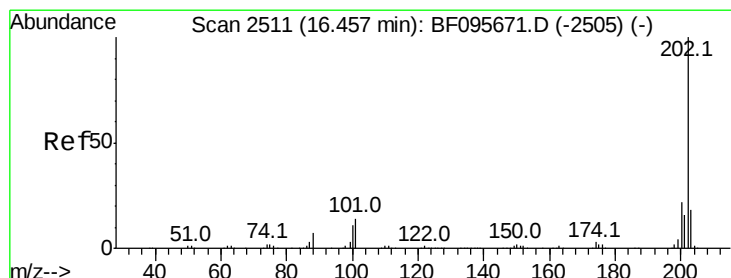
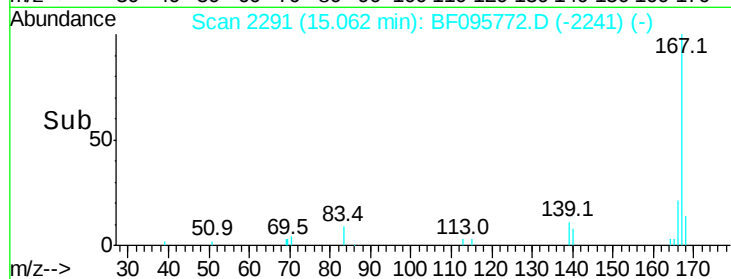
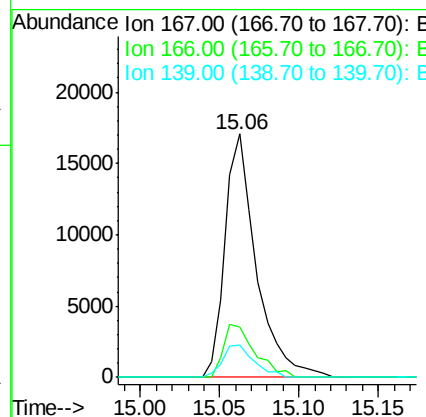
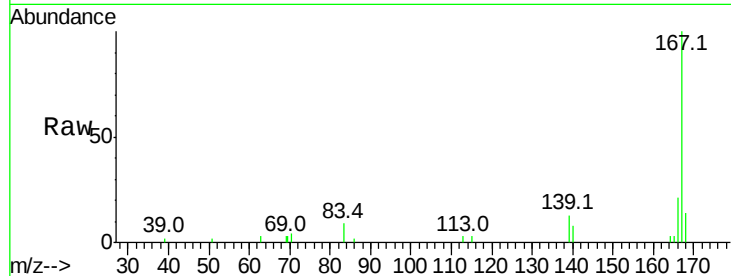
#72
Carbazole
 Concen: 2.38 ng
 RT: 15.06 min Scan# 2291
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-2)20170603

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.7	18.1	27.1
139	13.2	11.7	17.5

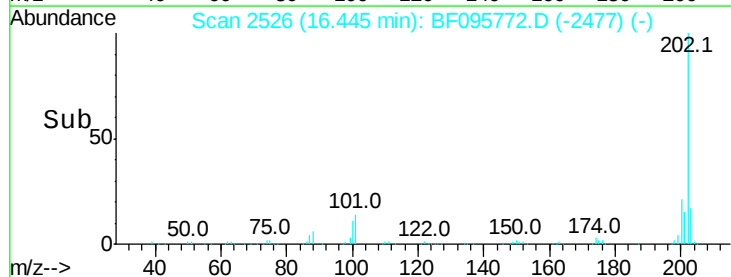
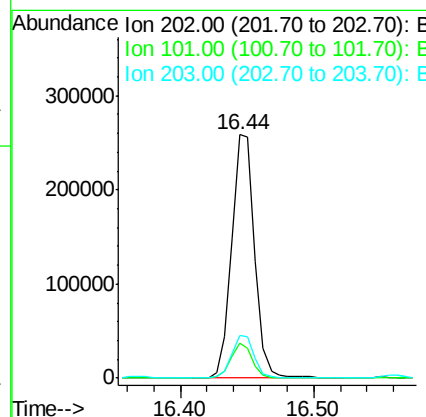
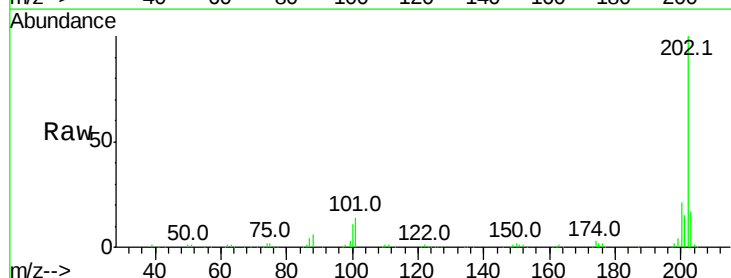
Manual Integrations
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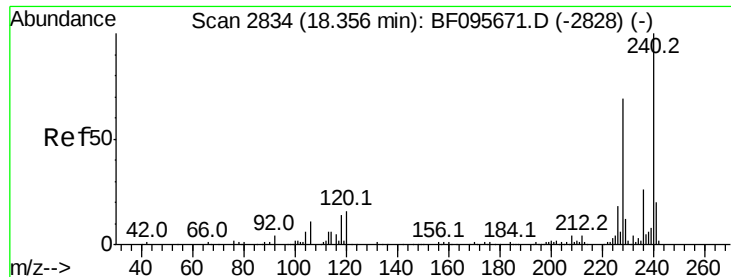
mohammad
 6/8/2017 12:19:28 PM



#74
Fluoranthene
 Concen: 32.73 ng
 RT: 16.44 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.35 min Scan# 2850

Delta R.T. -0.01 min

Lab File: BF095772.D

Acq: 8 Jun 2017 5:55

Instrument :

BNA_F

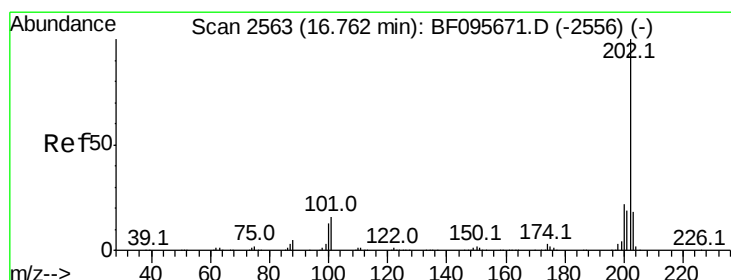
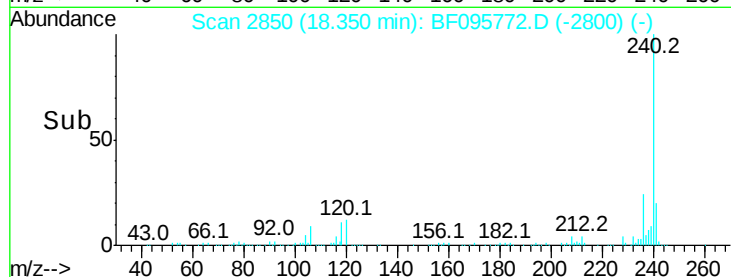
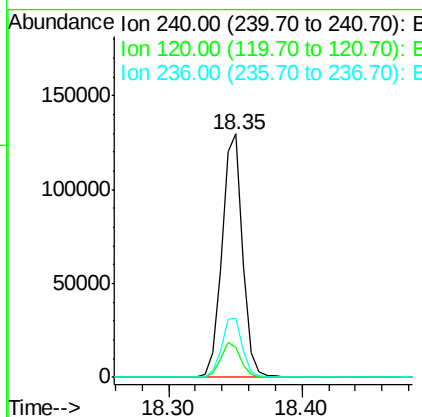
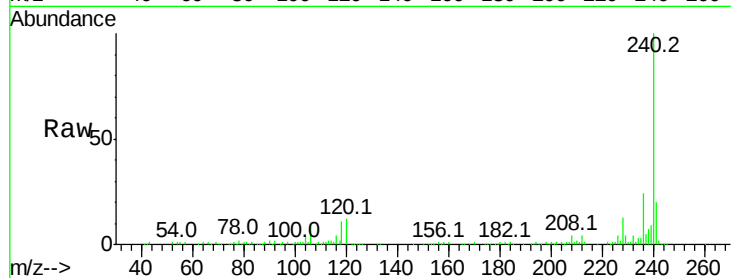
ClientSampleId :

SB-1(0-2)20170603

Tot Ion	Ratio	Resp	Lower	Upper
240	100	141282		
120	12.1	5.8	8.8#	
236	24.1	20.5	30.7	

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#77

Pyrene

Concen: 25.69 ng

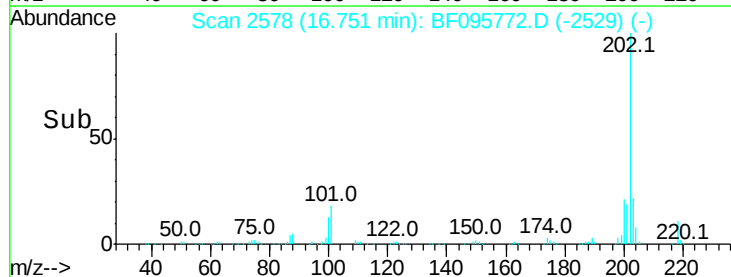
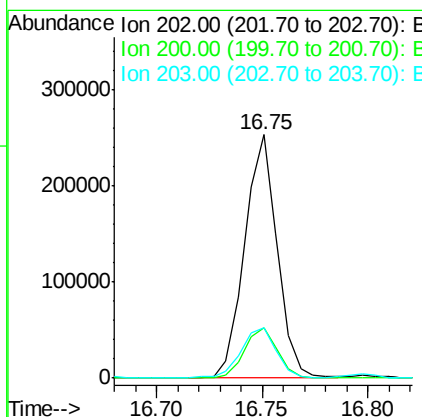
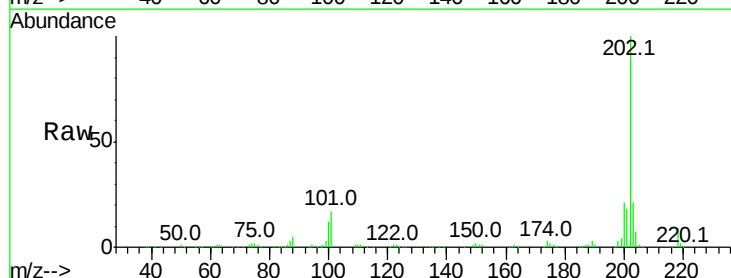
RT: 16.75 min Scan# 2578

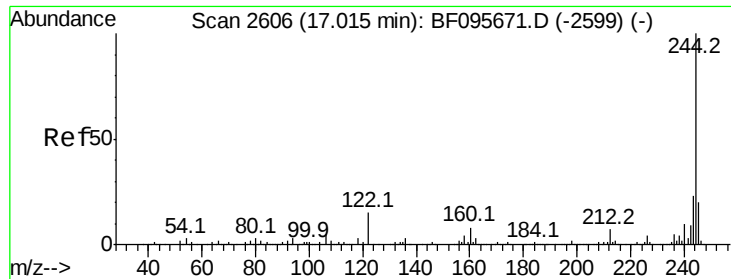
Delta R.T. -0.01 min

Lab File: BF095772.D

Acq: 8 Jun 2017 5:55

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	270821		
200	20.9	17.6	26.4	
203	20.8	14.4	21.6	





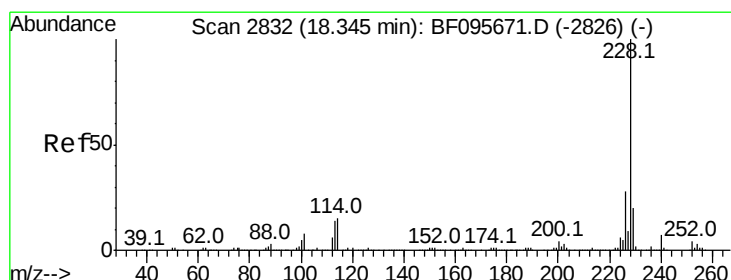
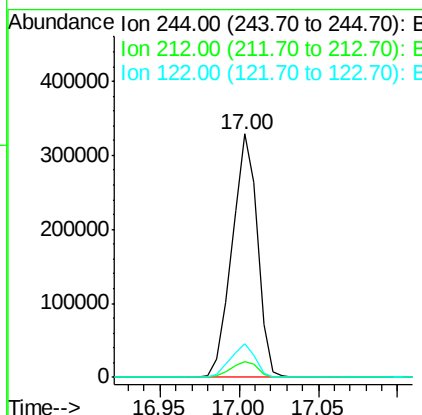
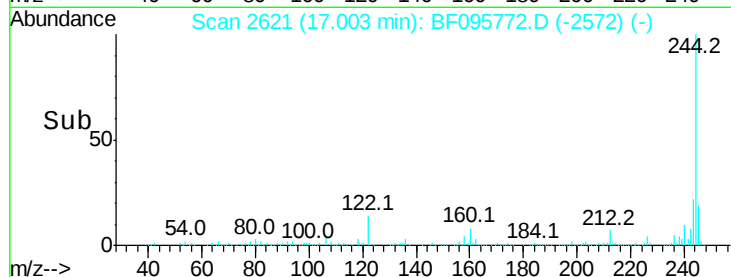
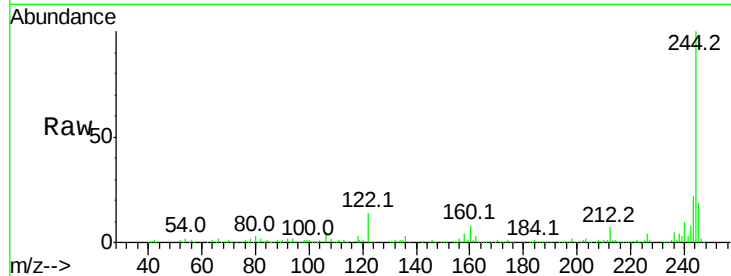
#78
 Terphenyl-d14
 Concen: 63.73 ng
 RT: 17.00 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-1(0-2)20170603

Tot Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	6.0	9.0
122	13.8	10.3	15.5

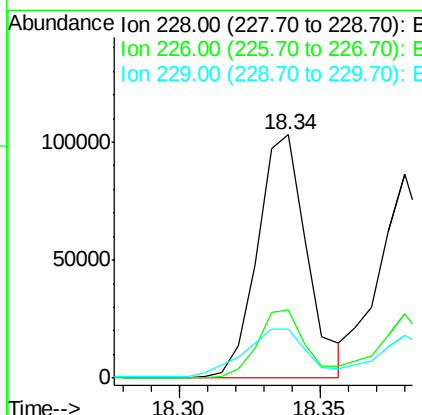
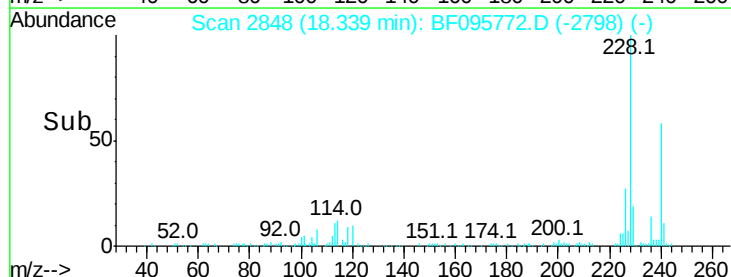
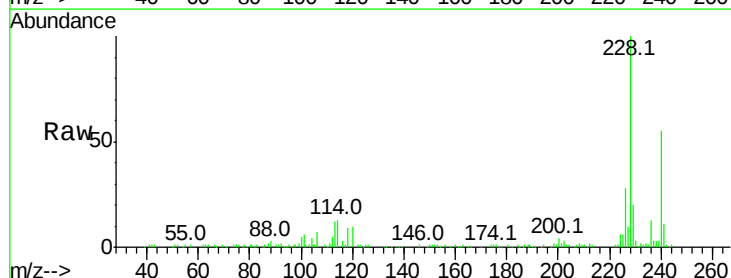
Manual Integrations
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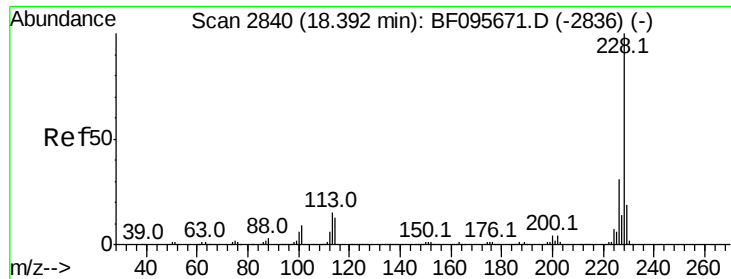
mohammad
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#80
 Benzo(a)anthracene
 Concen: 15.18 ng
 RT: 18.34 min Scan# 2848
 Delta R.T. -0.01 min
 Lab File: BF095772.D
 Acq: 8 Jun 2017 5:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.2	22.6	33.8
229	19.9	16.3	24.5





#82

Chrysene

Concen: 12.88 ng

RT: 18.38 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BF095772.D

Acq: 8 Jun 2017 5:55

Instrument :

BNA_F

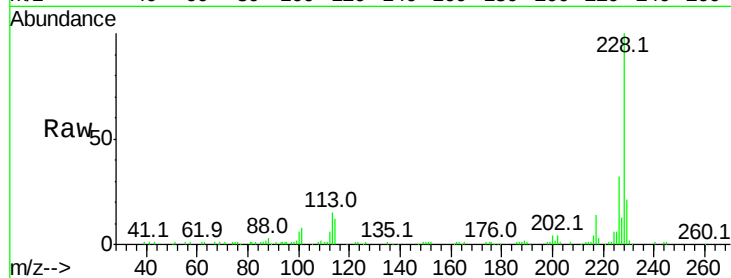
ClientSampleId :

SB-1(0-2)20170603

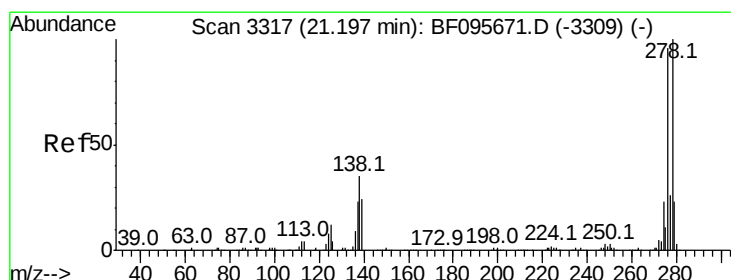
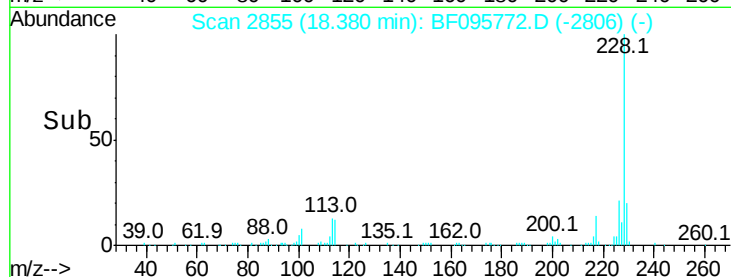
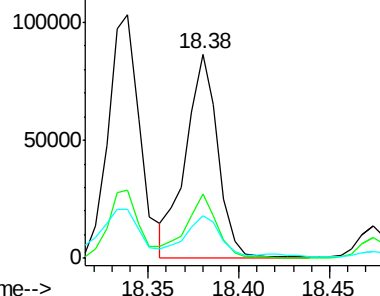
Tot Ion:	228	Resp:	105728
Ion Ratio		Lower	Upper
228	100		
226	31.8	24.9	37.3
229	20.7	15.8	23.6

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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



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.54 ng m

RT: 21.20 min Scan# 3334

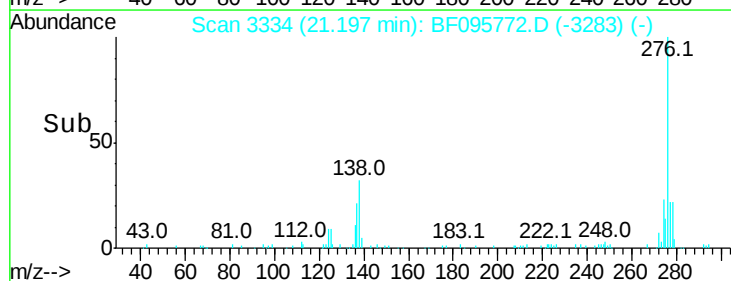
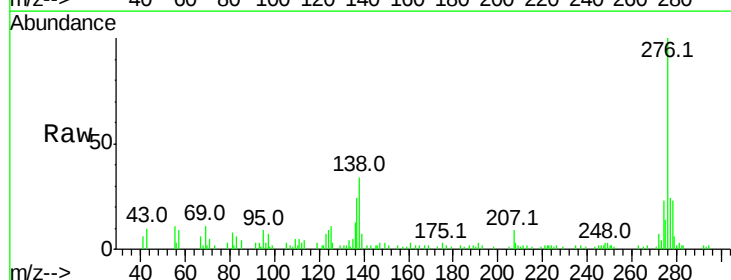
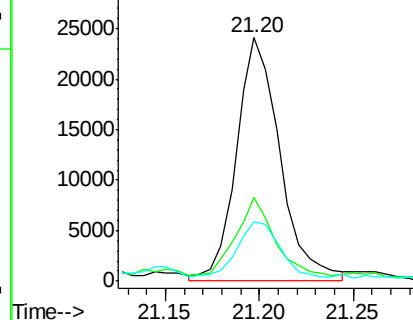
Delta R.T. -0.00 min

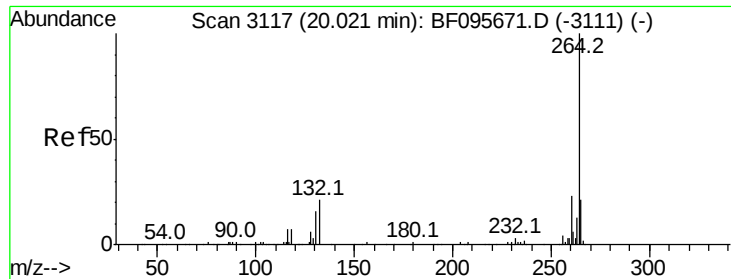
Lab File: BF095772.D

Acq: 8 Jun 2017 5:55

Tgt Ion:	276	Resp:	38938
Ion Ratio		Lower	Upper
276	100		
138	3.6	27.8	41.6#
277	2.3	20.2	30.4#

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





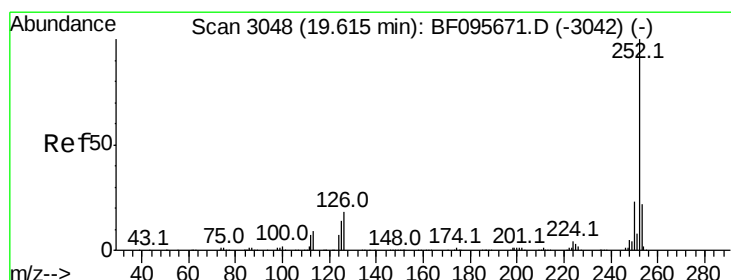
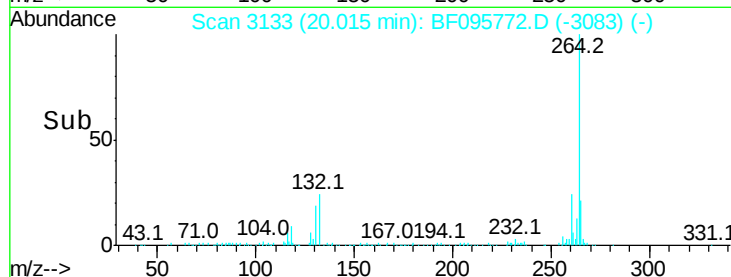
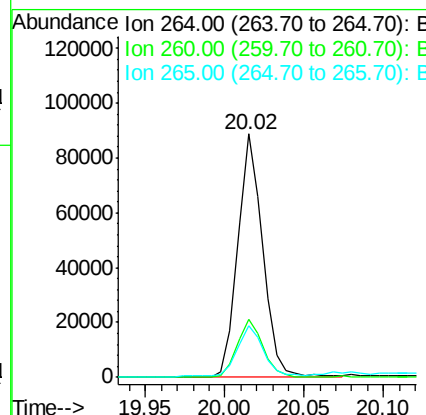
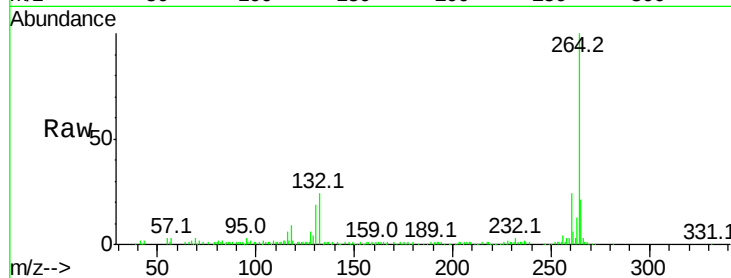
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170603

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.4	17.2	25.8

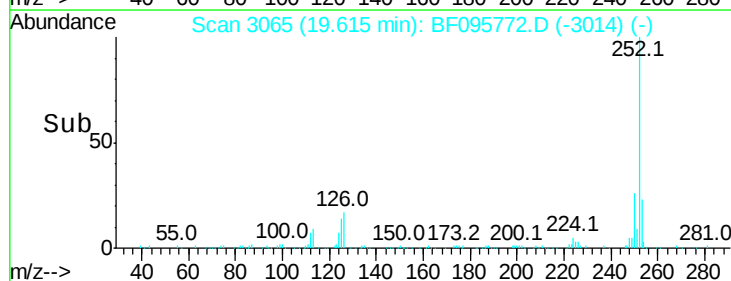
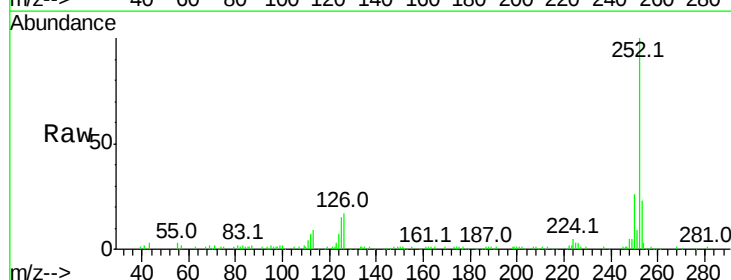
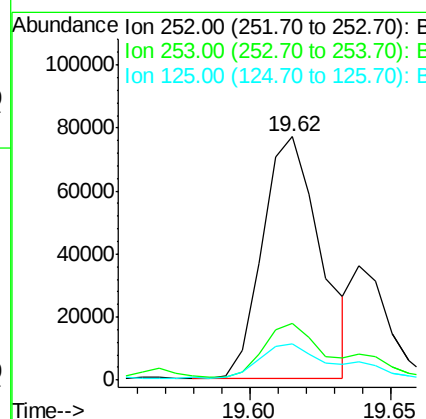
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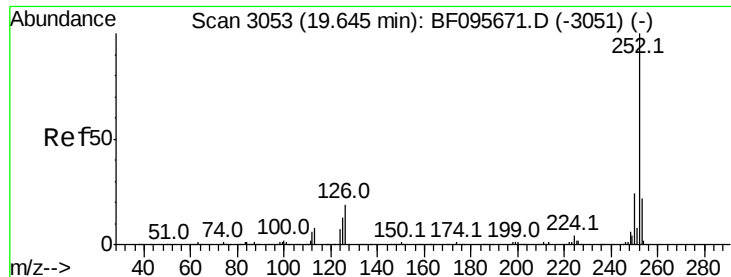
mohammad
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#87
Benzo(b)fluoranthene
Concen: 17.92 ng
RT: 19.62 min Scan# 3065
Delta R.T. -0.00 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	15.1	9.8	14.8#





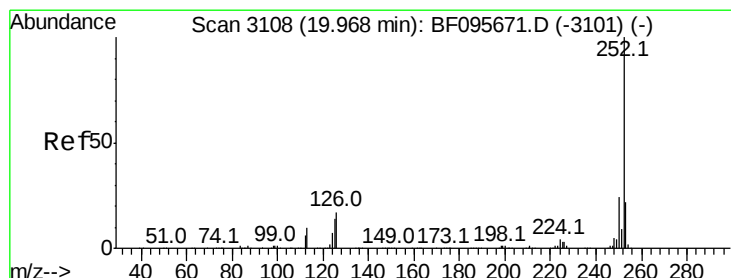
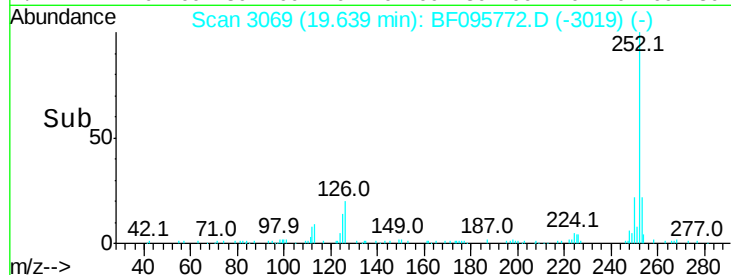
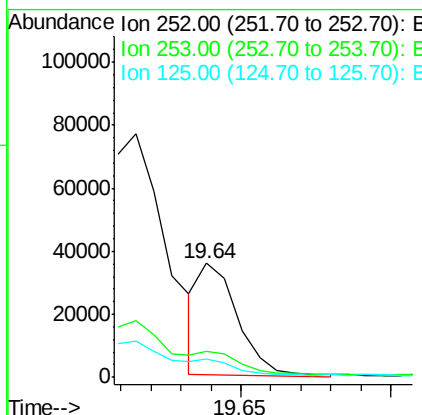
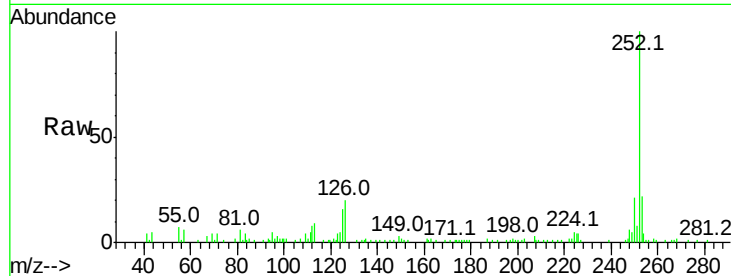
#88
Benzo(k)fluoranthene
Concen: 5.40 ng m
RT: 19.64 min Scan# 3069
Delta R.T. -0.01 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170603

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.4	27.6
125	16.0	13.1	19.7

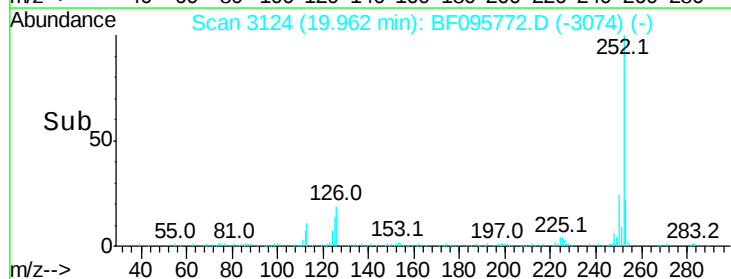
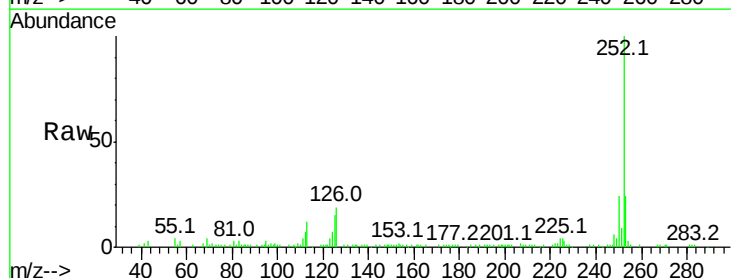
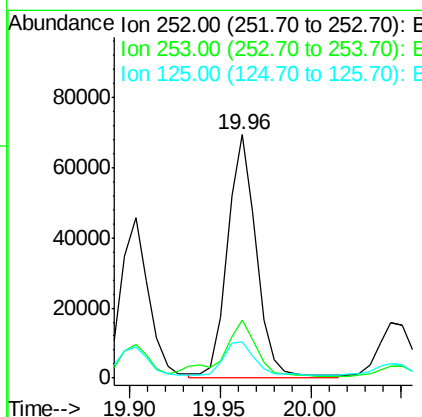
Manual Integrations
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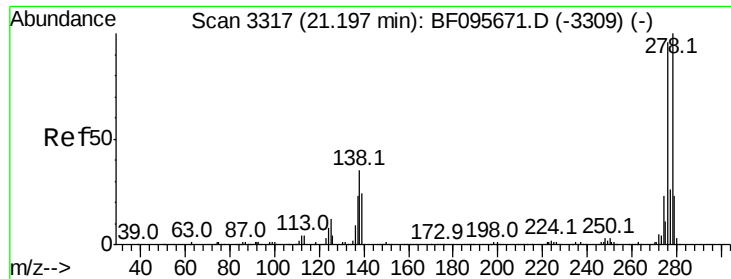
mohammad
6/8/2017 12:19:28 PM



#89
Benzo(a)pyrene
Concen: 13.70 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	15.1	11.0	16.4





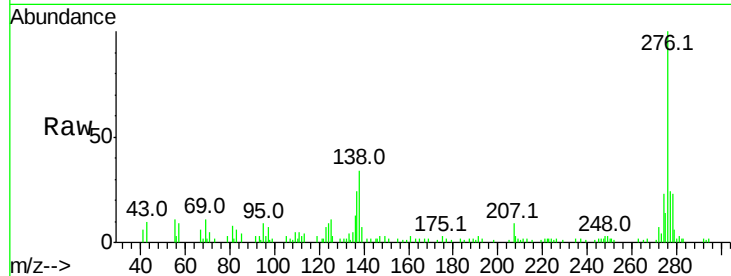
#90
Dibenzo(a,h)anthracene
Concen: 2.03 ng m
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Instrument :
BNA_F
ClientSampleId :
SB-1(0-2)20170603

Tot Ion	Ratio	Lower	Upper
278	100		
139	32.3	16.6	24.8
279	26.7	19.3	28.9

Manual Integrations
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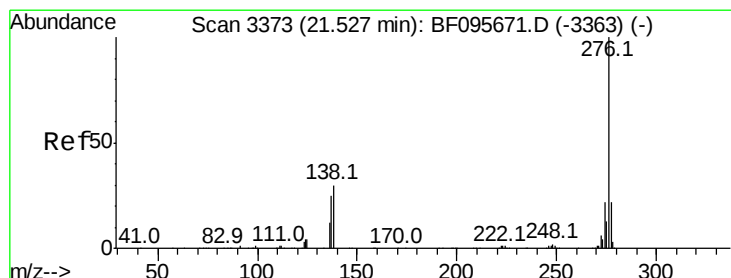
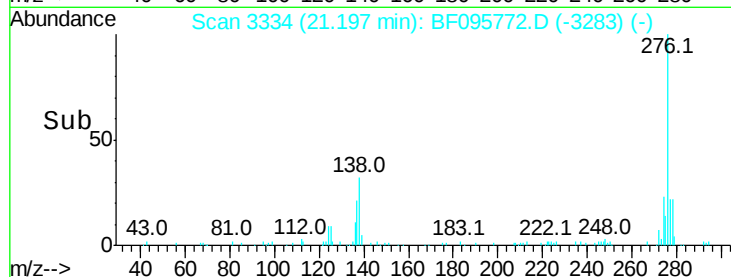
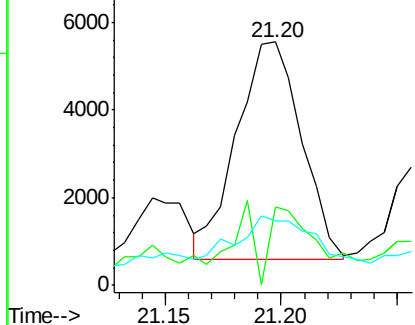


Abundance

Ion 278.00 (277.70 to 278.70): E

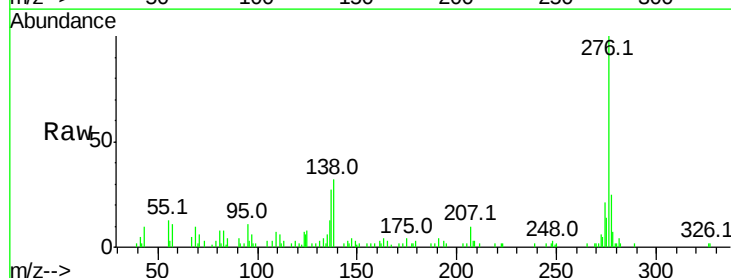
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 7.41 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095772.D
Acq: 8 Jun 2017 5:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	32.2	25.4	38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

