

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095771.D
 Acq On : 8 Jun 2017 5:23
 Operator : SJ/MA
 Sample : I3469-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)20170603

Manual Integrations
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Quant Time: Jun 08 11:59:32 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	73928	20.00	ng	-0.01
21) Naphthalene-d8	9.42	136	289216	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	115512	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	171387	20.00	ng	-0.01
75) Chrysene-d12	18.35	240	137817	20.00	ng	0.00
86) Perylene-d12	20.01	264	96646	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	571165	123.11	ng	-0.01
7) Phenol-d6	6.95	99	682109	122.81	ng	-0.01
23) Nitrobenzene-d5	8.30	82	382214	82.07	ng	-0.02
41) 2,4,6-Tribromophenol	13.53	330	105563	103.29	ng	-0.02
44) 2-Fluorobiphenyl	11.20	172	708935	85.41	ng	-0.02
78) Terphenyl-d14	17.00	244	431160	77.64	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	11.89	163	117903	13.44	ng	97
51) Acenaphthene	12.29	154	28493	3.88	ng	99
57) Fluorene	13.13	166	27481	3.05	ng	96
70) Phenanthrene	14.67	178	317049	32.06	ng	98
71) Anthracene	14.76	178	111544	10.80	ng	98
74) Fluoranthene	16.45	202	418807	42.79	ng	99
77) Pyrene	16.75	202	365836	35.58	ng	# 93
80) Benzo(a)anthracene	18.34	228	167741	20.93	ng	99
82) Chrysene	18.38	228	155011	19.36	ng	96
85) Indeno(1,2,3-cd)pyrene	21.20	276	43144	6.30	ng	93
87) Benzo(b)fluoranthene	19.61	252	138850m	22.94	ng	
88) Benzo(k)fluoranthene	19.64	252	46157m	7.98	ng	
89) Benzo(a)pyrene	19.96	252	97385	17.51	ng	# 94
90) Dibenzo(a,h)anthracene	21.20	278	13240	2.81	ng	# 82
91) Benzo(a,h,i)perylene	21.54	276	41605	8.65	ng	# 92

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

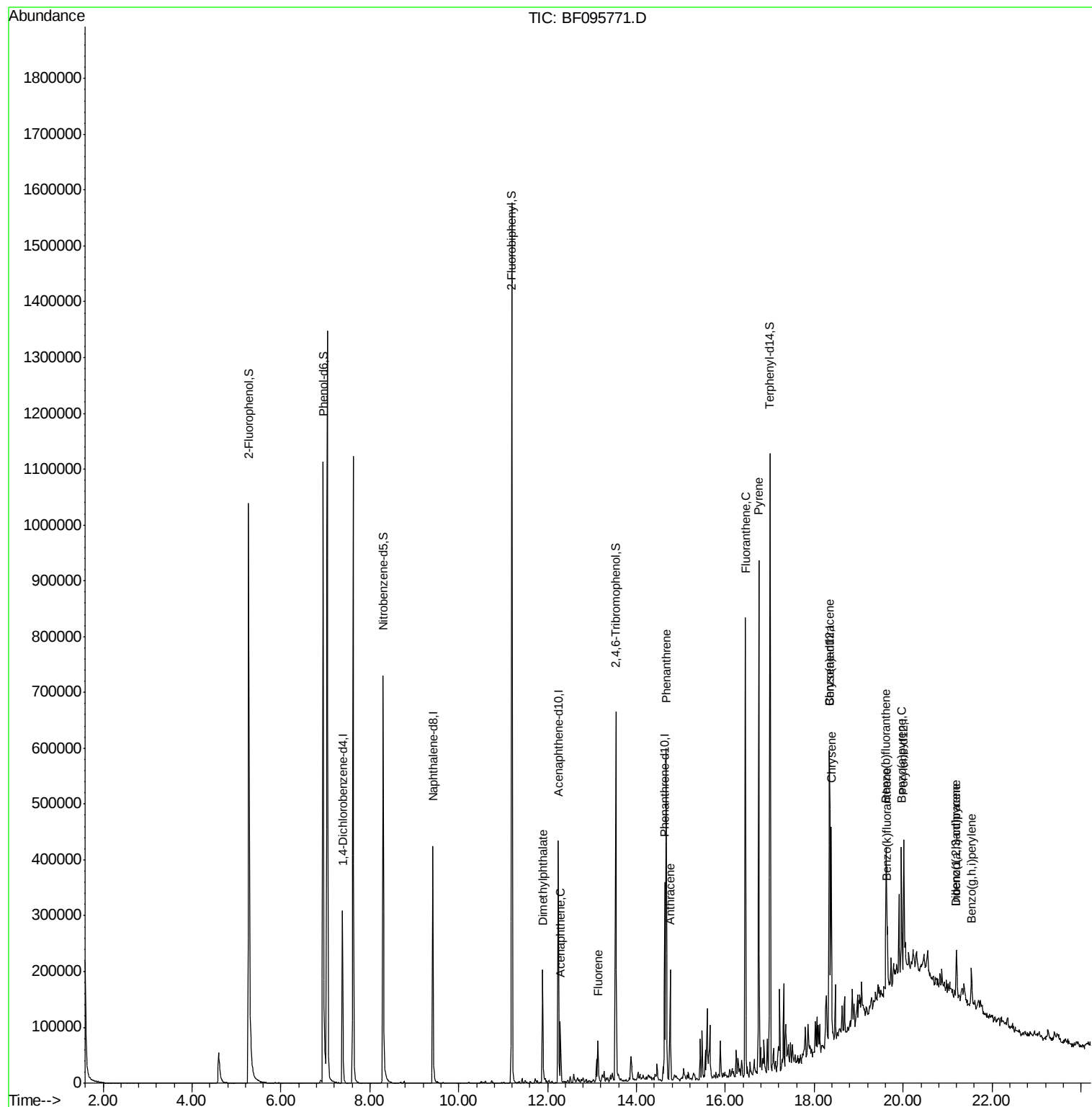
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
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#1

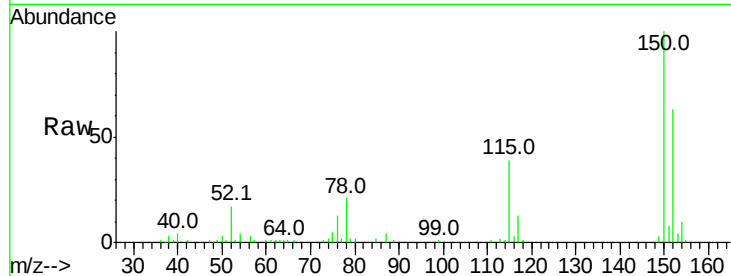
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)20170603

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	126.2	189.2
115	62.9	52.2	78.2

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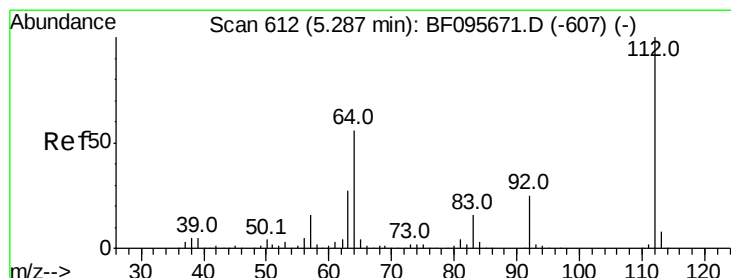
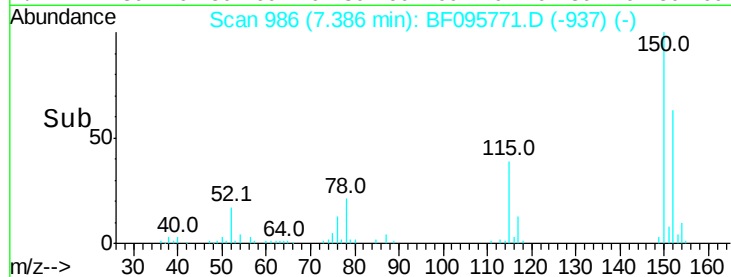
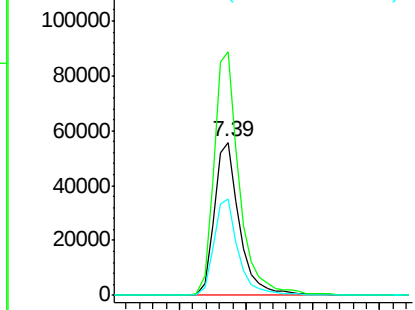


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

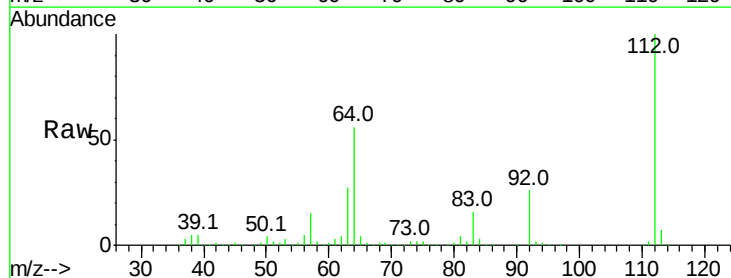
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 123.11 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	46.0	69.0
63	26.8	23.4	35.0

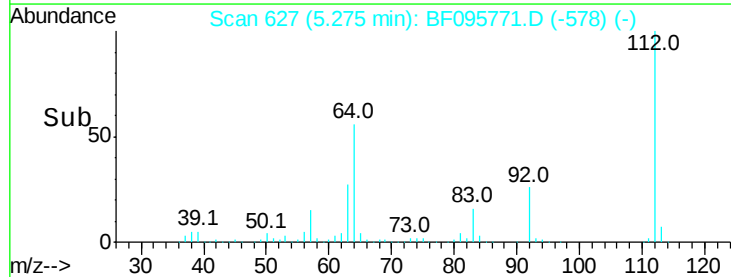
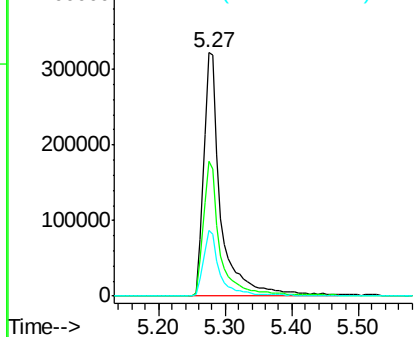


Abundance

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: 122.81 ng

RT: 6.95 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF095771.D

Acq: 8 Jun 2017 5:23

Instrument :

BNA_F

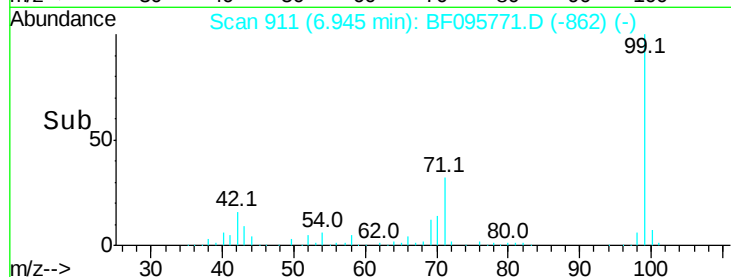
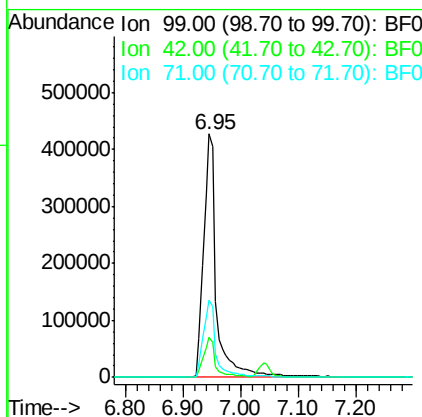
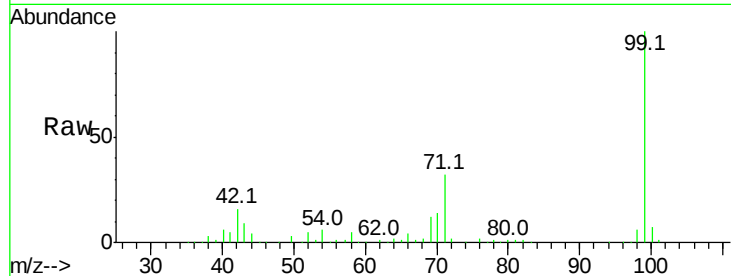
ClientSampleId :

SB-3(0-2)20170603

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		682109		
42	16.4	13.5	20.3		
71	31.9	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

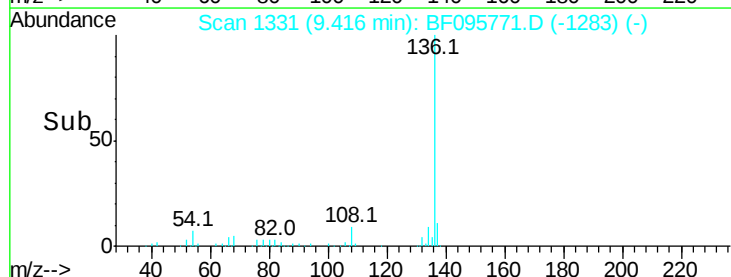
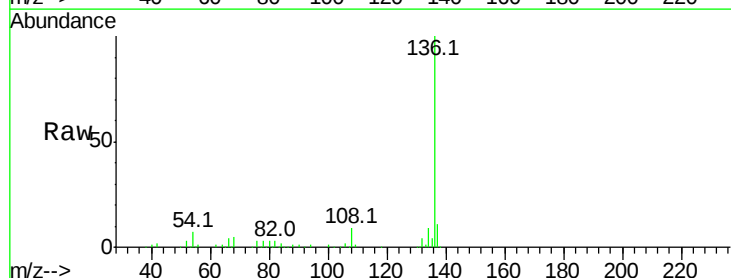
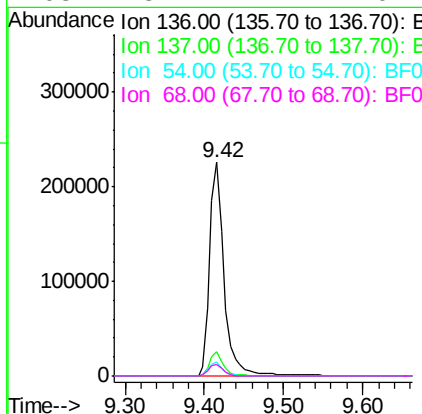
RT: 9.42 min Scan# 1331

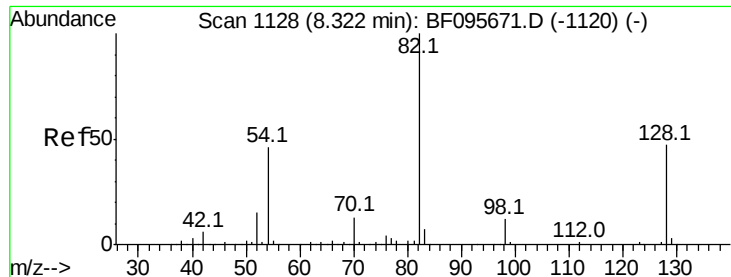
Delta R.T. -0.02 min

Lab File: BF095771.D

Acq: 8 Jun 2017 5:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		289216		
137	11.2	8.5	12.7		
54	6.8	4.9	7.3		
68	5.4	4.1	6.1		





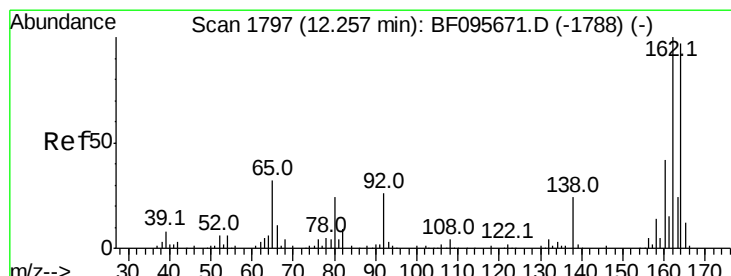
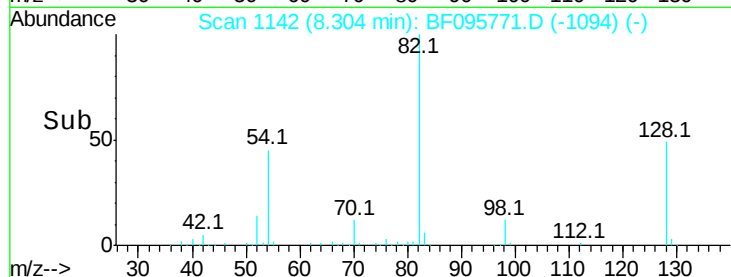
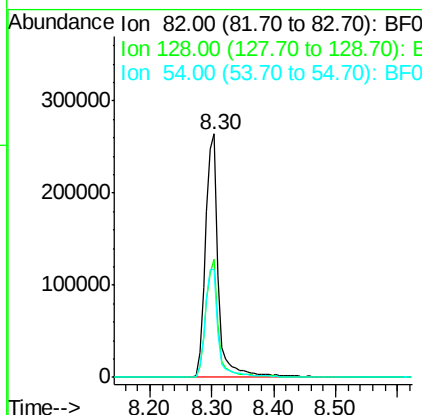
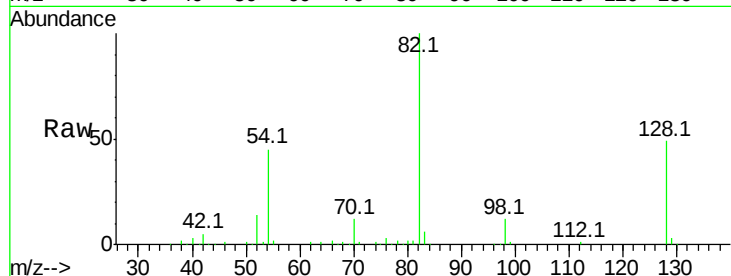
#23
 Nitrobenzene-d5
 Concen: 82.07 ng
 RT: 8.30 min Scan# 1142
 Delta R.T. -0.02 min
 Lab File: BF095771.D
 Acq: 8 Jun 2017 5:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)20170603

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.7	34.0	51.0	
54	44.6	42.2	63.2	

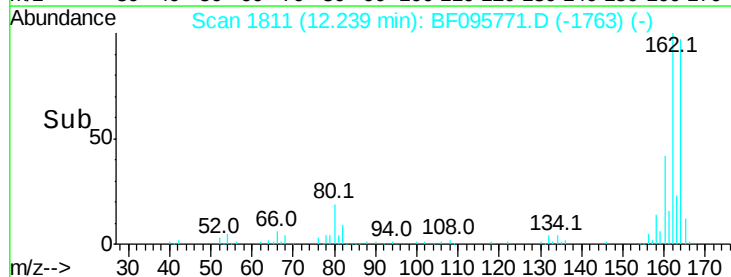
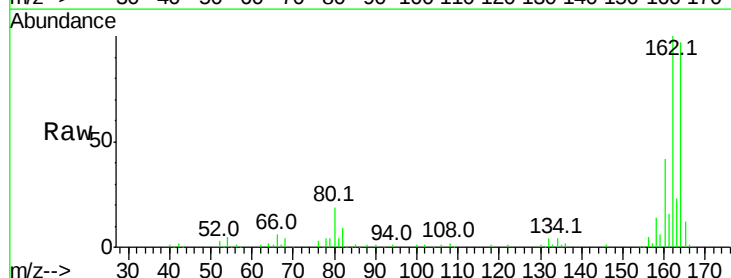
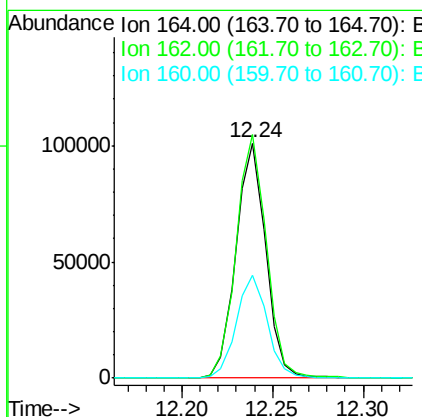
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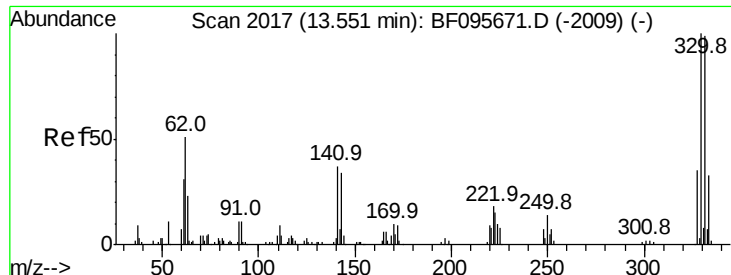
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 1811
 Delta R.T. -0.02 min
 Lab File: BF095771.D
 Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.6	82.6	123.8	
160	44.0	36.2	54.2	





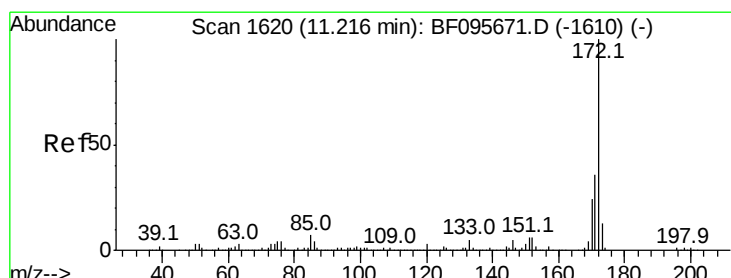
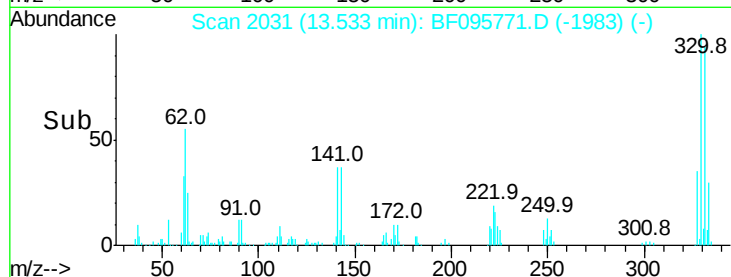
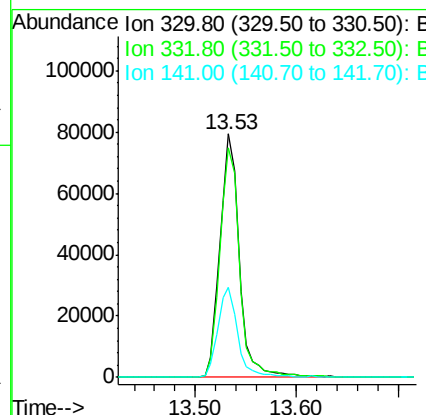
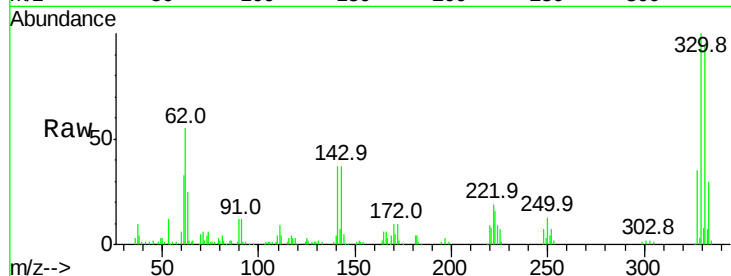
#41
 2,4,6-Tribromophenol
 Concen: 103.29 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095771.D
 Acq: 8 Jun 2017 5:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)20170603

Tot Ion	Ratio	Resp	Lower	Upper
330	100	105563		
332	96.4	76.6	115.0	
141	37.8	31.4	47.2	

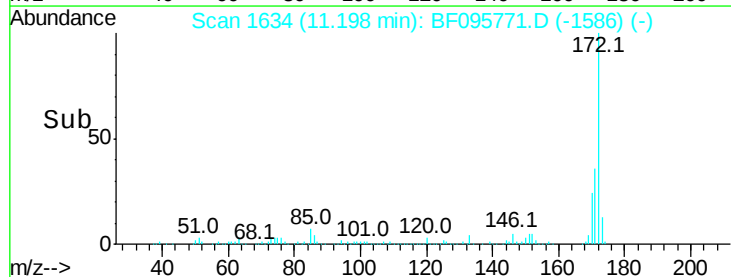
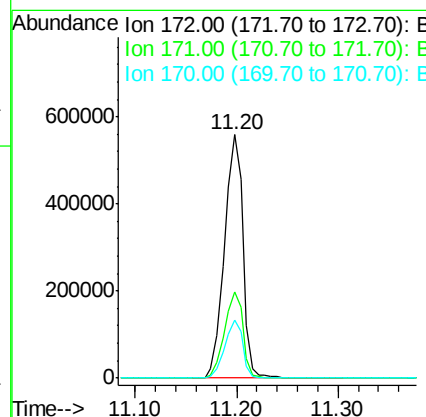
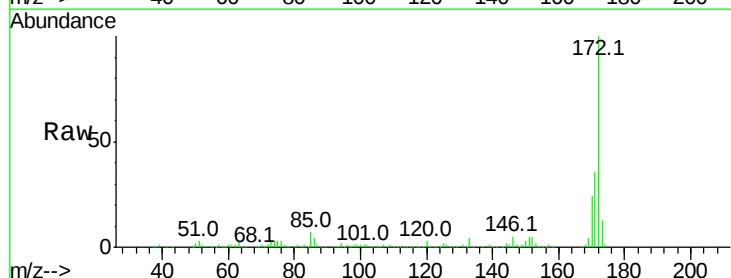
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#44
 2-Fluorobiphenyl
 Concen: 85.41 ng
 RT: 11.20 min Scan# 1634
 Delta R.T. -0.02 min
 Lab File: BF095771.D
 Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	708935		
171	35.6	29.6	44.4	
170	24.0	19.8	29.8	





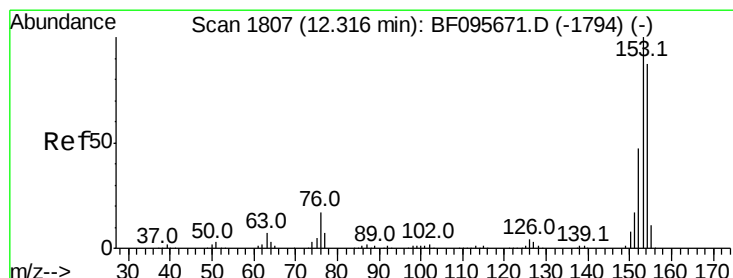
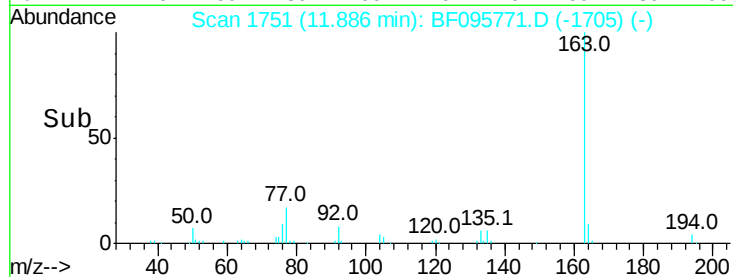
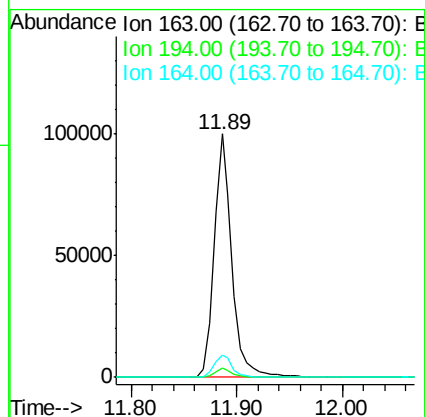
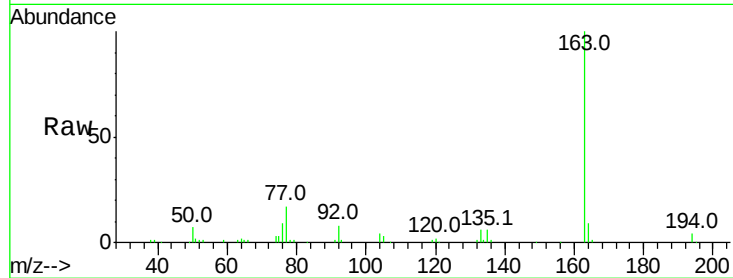
#49
Dimethylphthalate
Concen: 13.44 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)20170603

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7	2.6	4.0	
164	9.2	8.4	12.6	

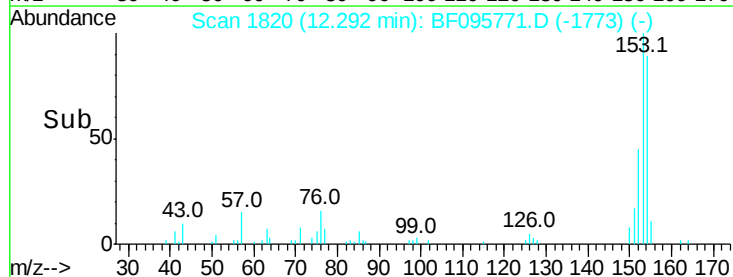
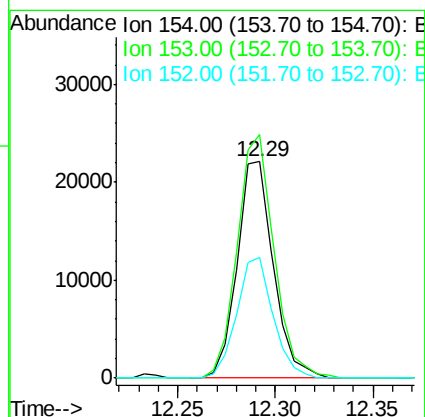
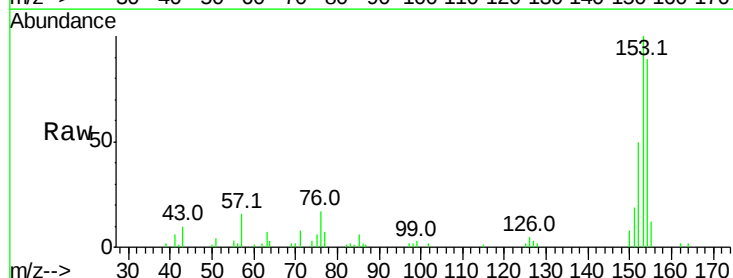
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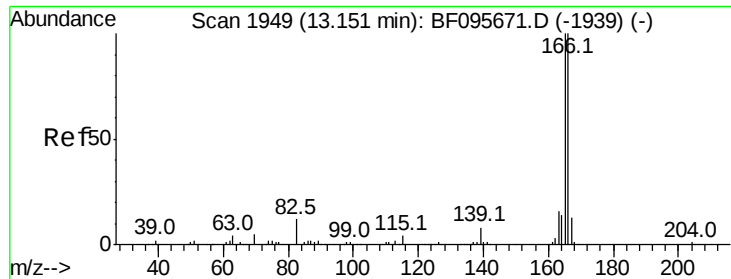
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#51
Acenaphthene
Concen: 3.88 ng
RT: 12.29 min Scan# 1820
Delta R.T. -0.02 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.6	90.5	135.7	
152	56.1	43.6	65.4	





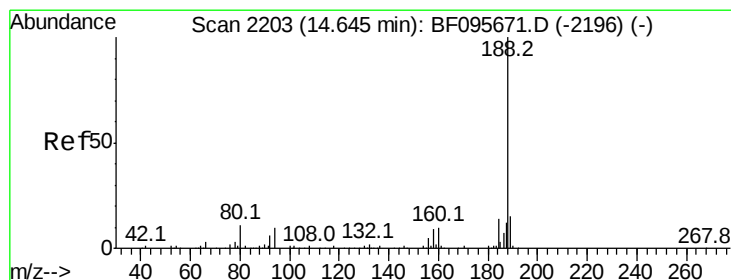
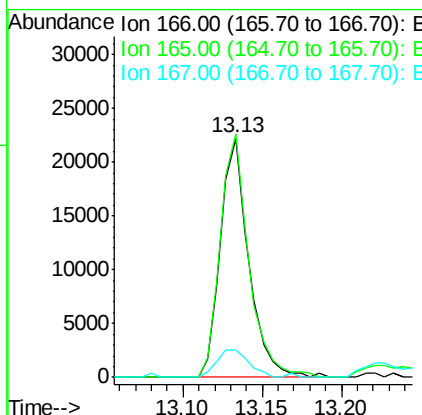
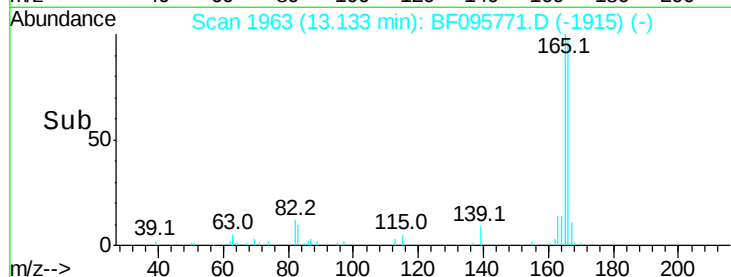
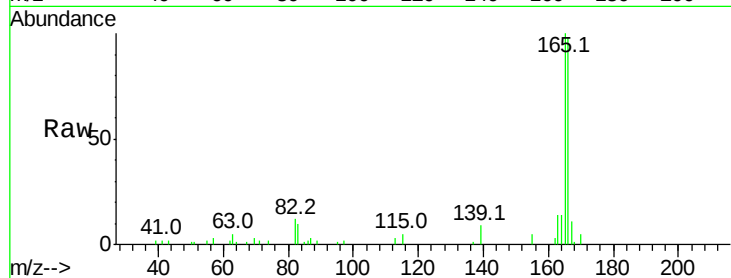
#57
Fluorene
 Concen: 3.05 ng
 RT: 13.13 min Scan# 1963
 Delta R.T. -0.02 min
 Lab File: BF095771.D
 Acq: 8 Jun 2017 5:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)20170603

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.0	78.8	118.2
167	11.4	10.6	16.0

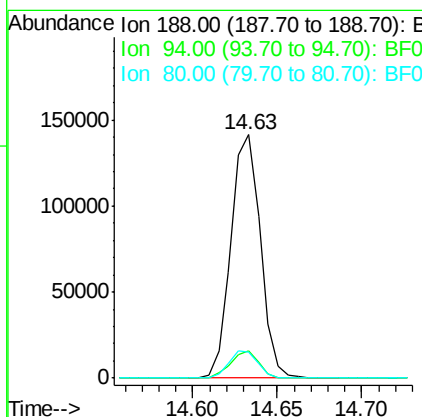
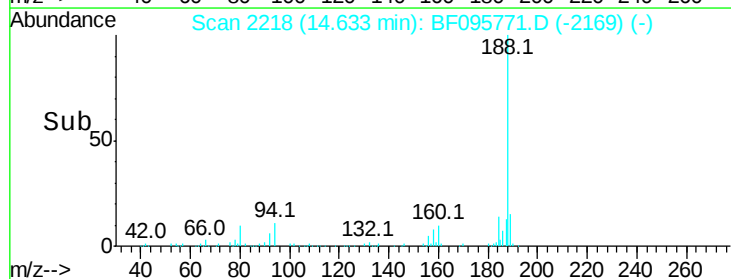
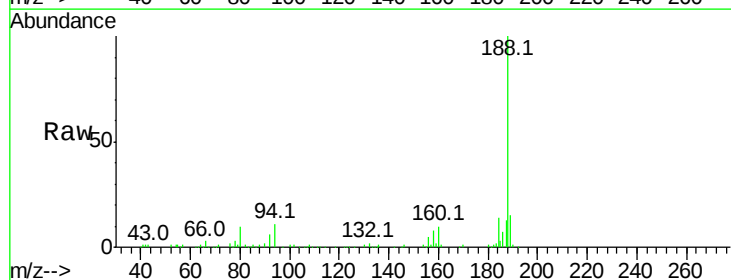
Manual Integrations
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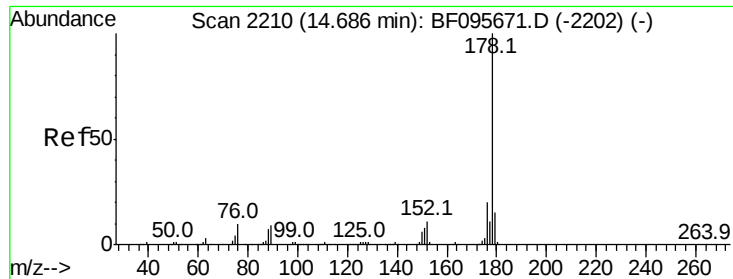
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.63 min Scan# 2218
 Delta R.T. -0.01 min
 Lab File: BF095771.D
 Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	10.5	10.2	15.2





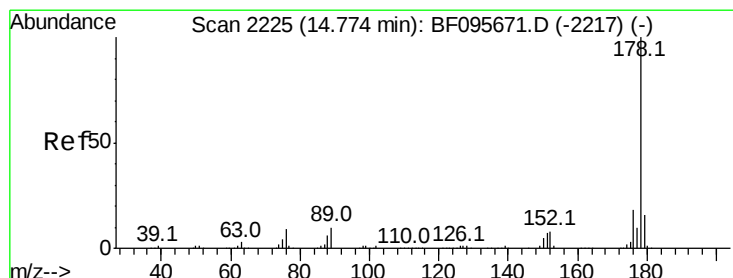
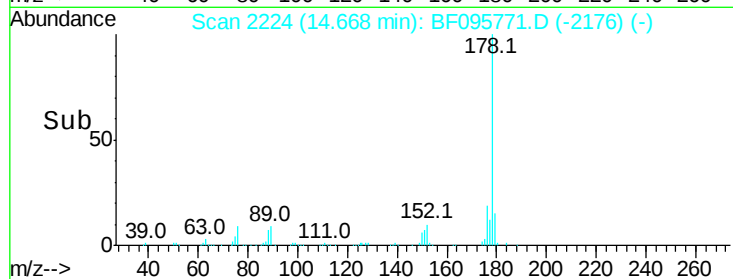
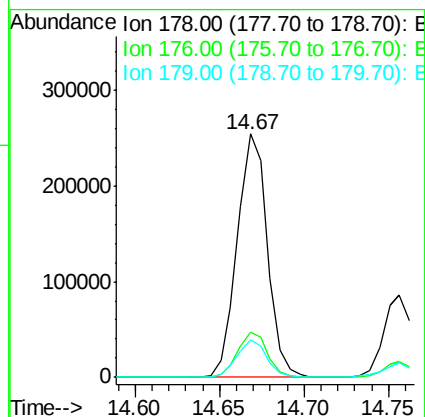
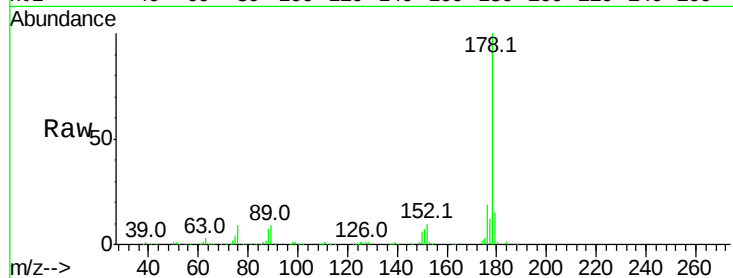
#70
Phenanthrene
Concen: 32.06 ng
RT: 14.67 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)20170603

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.5	12.6	19.0

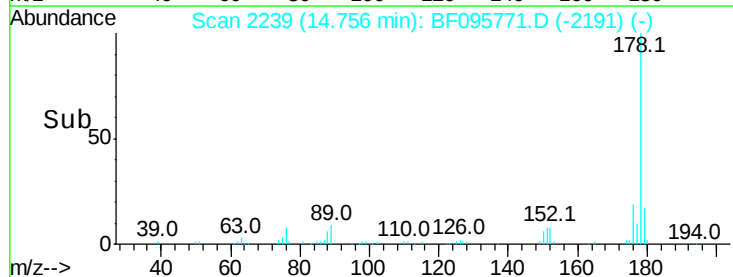
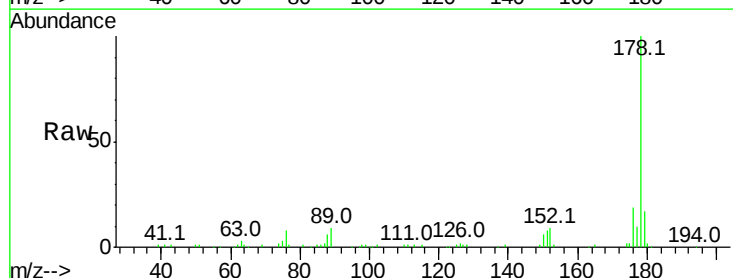
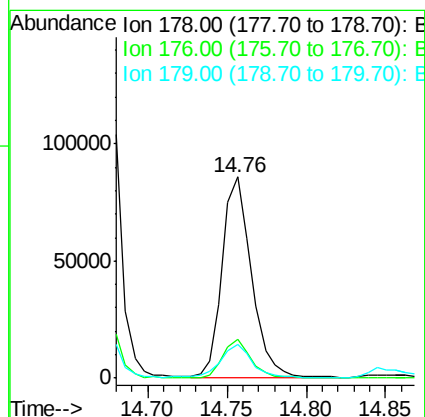
Manual Integrations
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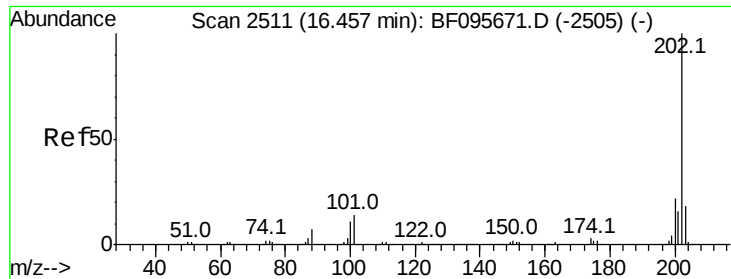
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#71
Anthracene
Concen: 10.80 ng
RT: 14.76 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	17.0	12.7	19.1





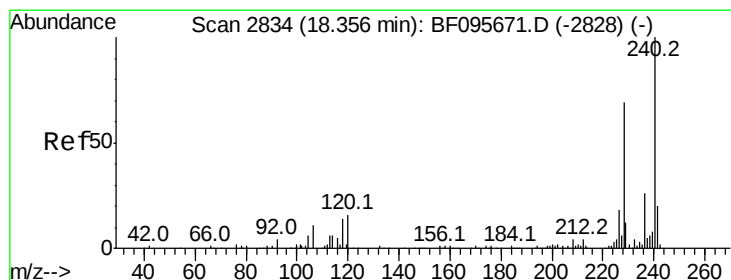
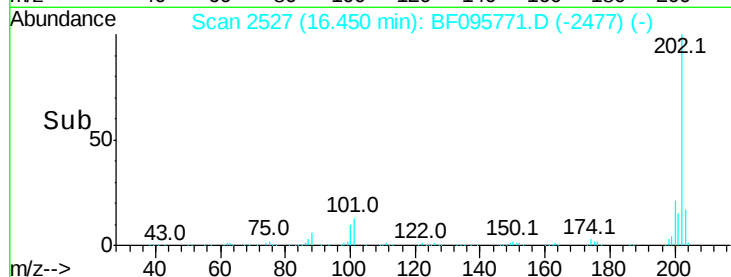
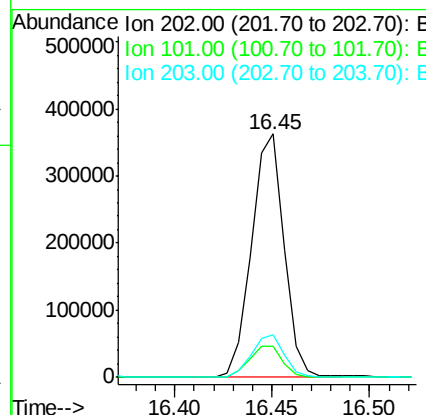
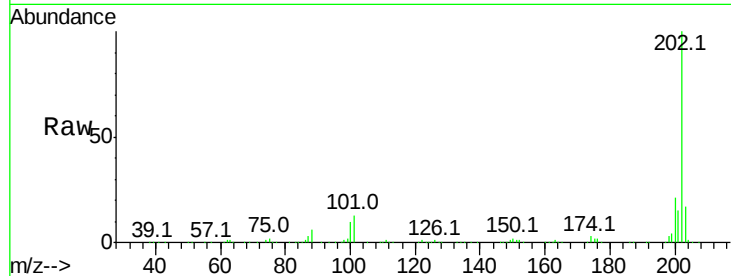
#74
Fluoranthene
 Concen: 42.79 ng
 RT: 16.45 min Scan# 2527
 Delta R.T. -0.01 min
 Lab File: BF095771.D
 Acq: 8 Jun 2017 5:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)20170603

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.5	0.0	38.1

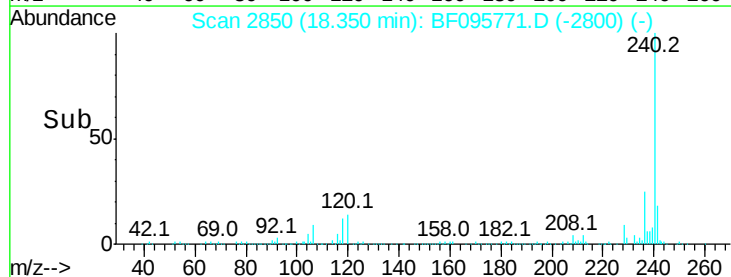
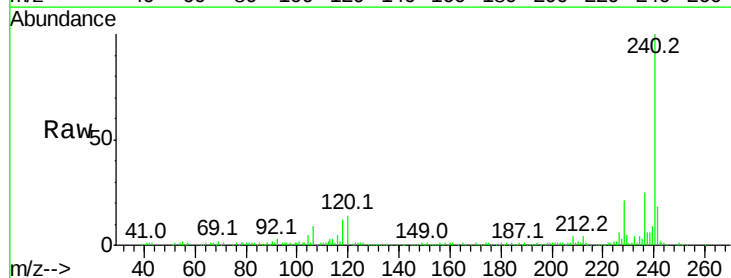
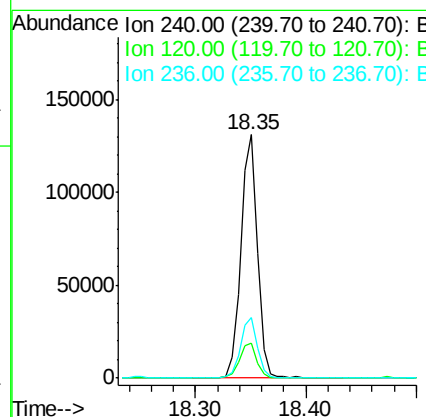
Manual Integrations
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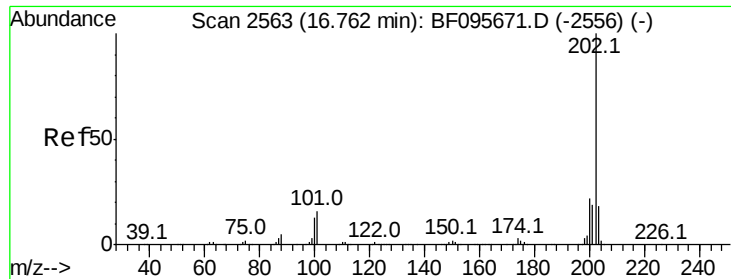
mohammad
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 18.35 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BF095771.D
 Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	24.6	20.5	30.7





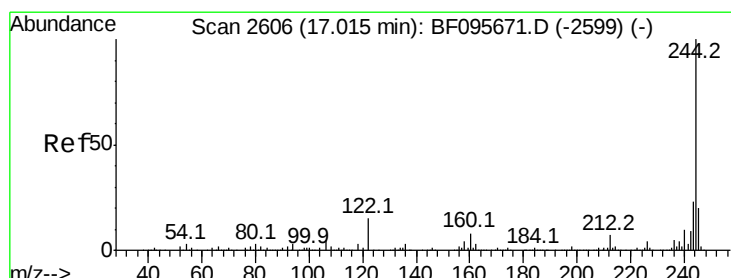
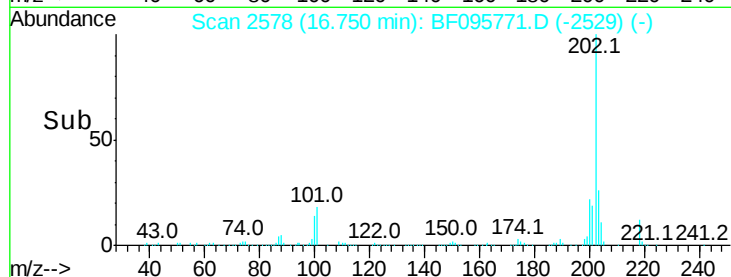
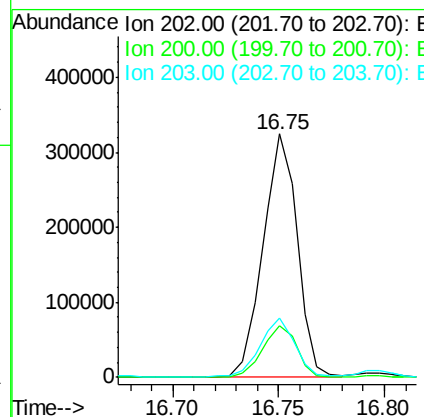
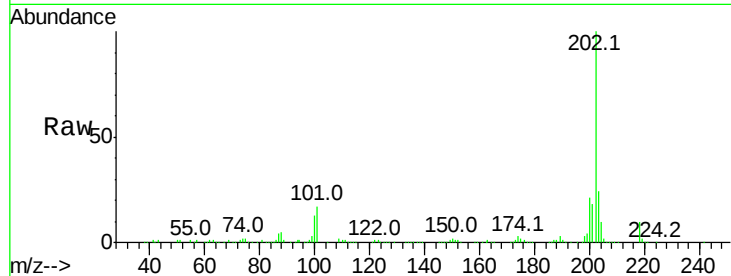
#77
Pvrene
Concen: 35.58 ng
RT: 16.75 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)20170603

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	17.6	26.4
203	24.4	14.4	21.6

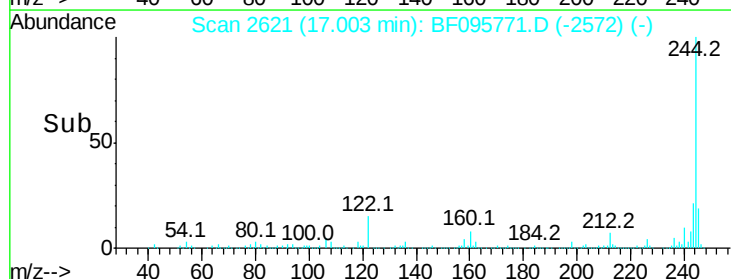
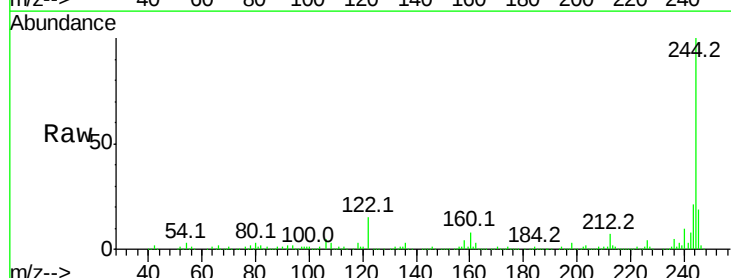
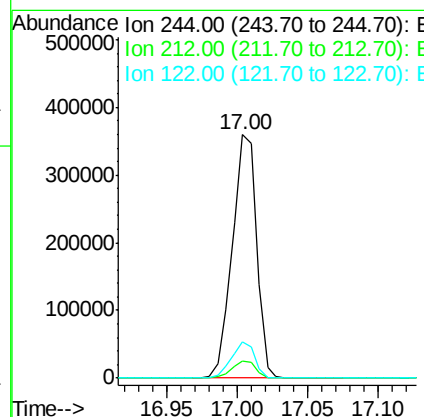
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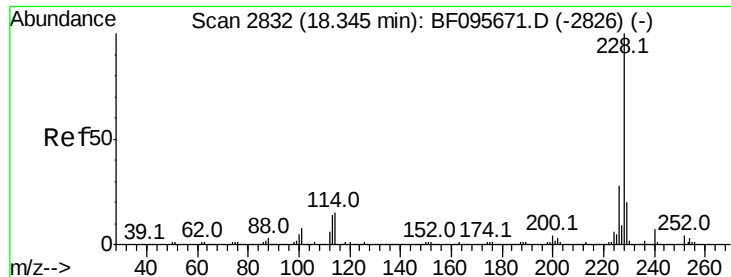
mohammad
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#78
Terphenyl-d14
Concen: 77.64 ng
RT: 17.00 min Scan# 2621
Delta R.T. -0.01 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.0	9.0
122	14.9	10.3	15.5





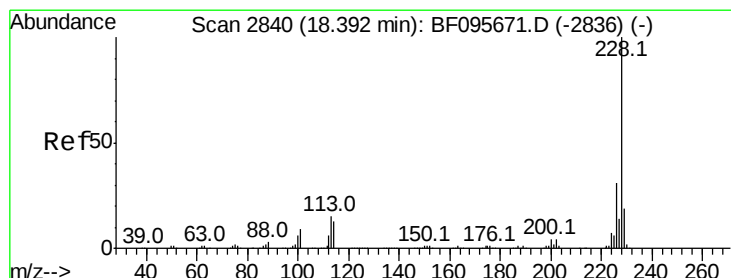
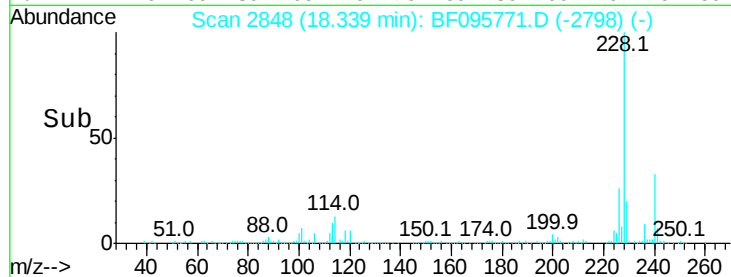
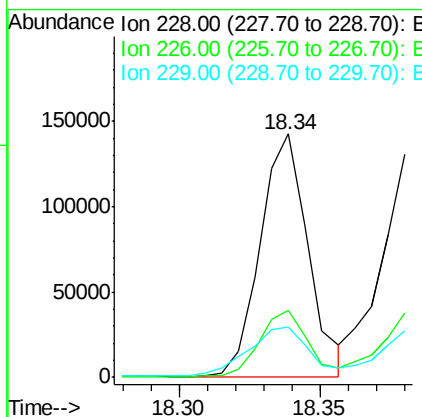
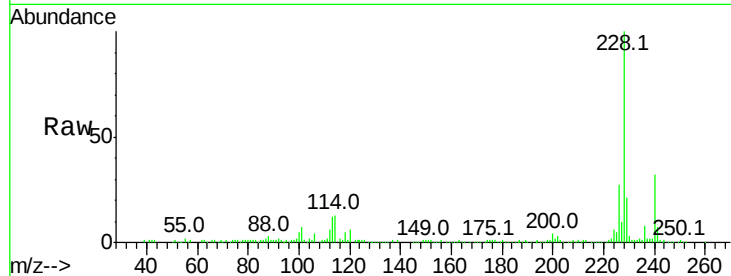
#80
Benzo(a)anthracene
Concen: 20.93 ng
RT: 18.34 min Scan# 2848
Delta R.T. -0.01 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)20170603

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	20.5	16.3	24.5

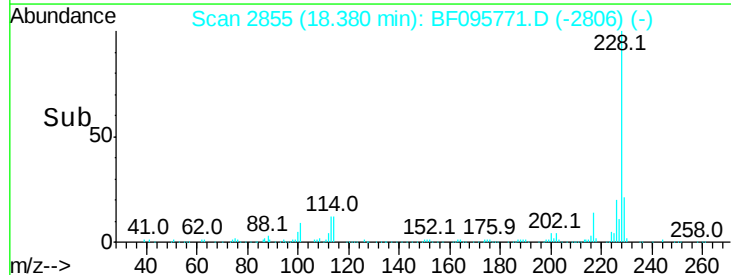
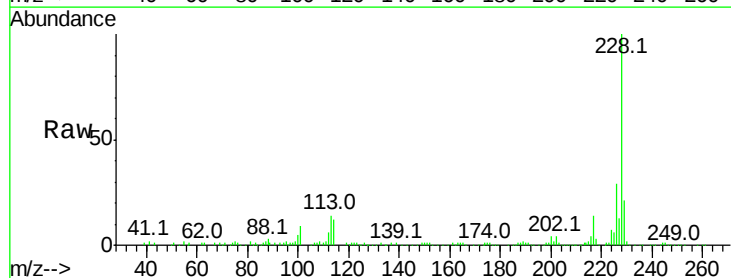
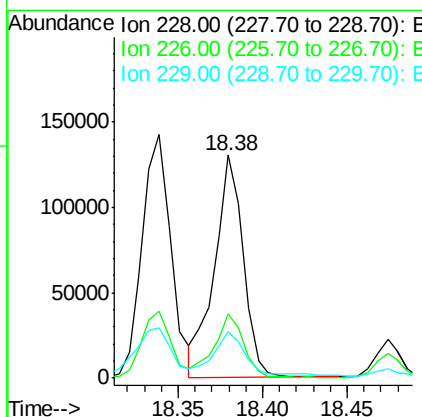
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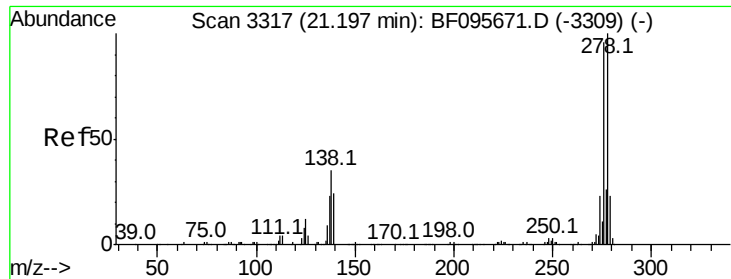
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#82
Chrysene
Concen: 19.36 ng
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.9	37.3
229	21.0	15.8	23.6





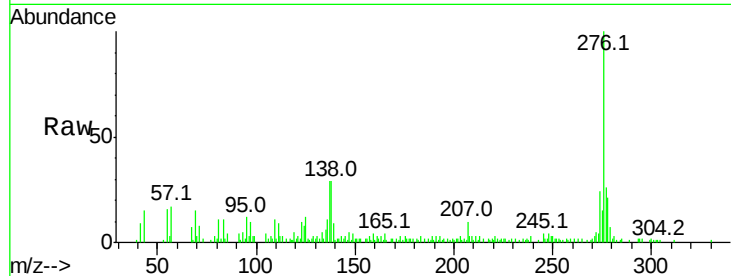
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.30 ng
RT: 21.20 min Scan# 3335
Delta R.T. 0.01 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)20170603

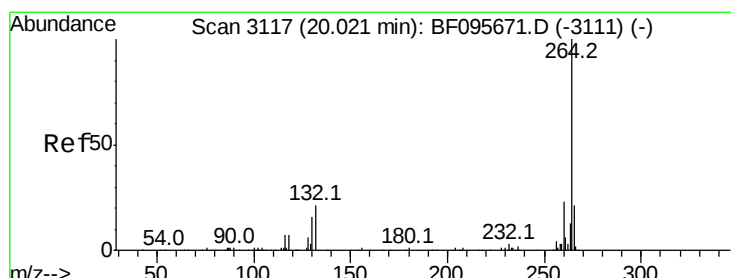
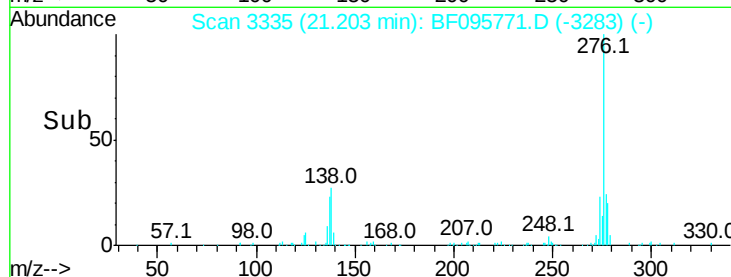
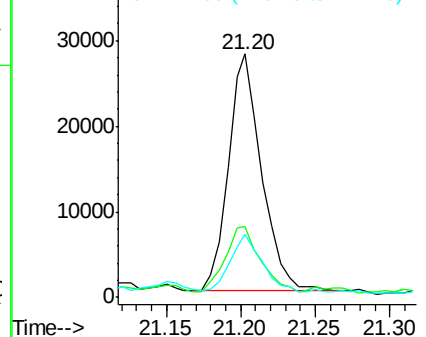
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.6	27.8	41.6
277	22.7	20.2	30.4

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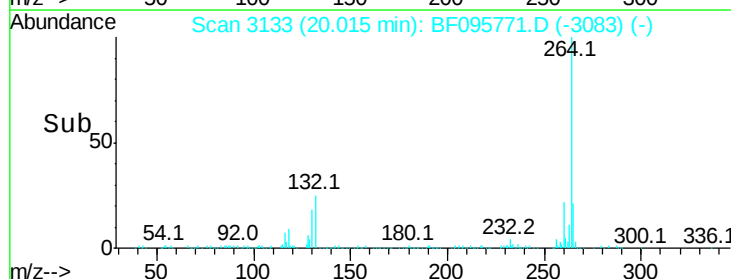
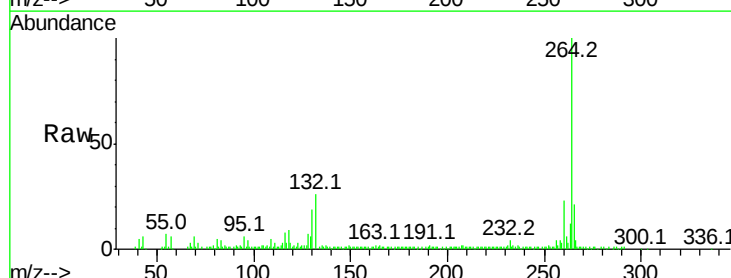
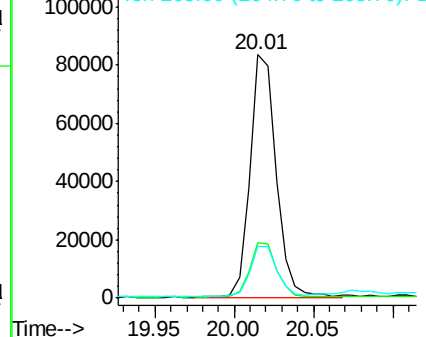
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

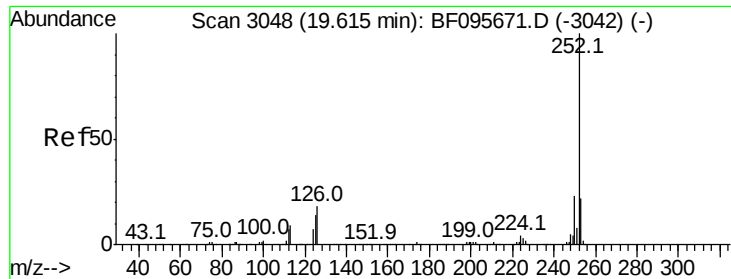


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.4	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





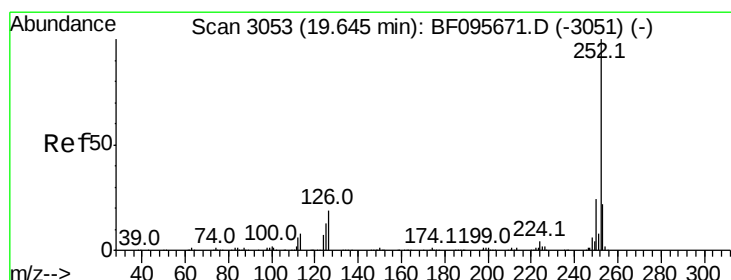
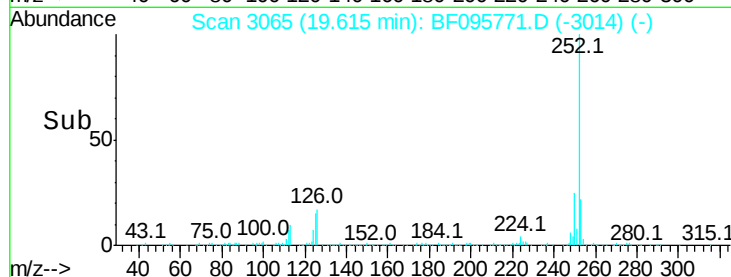
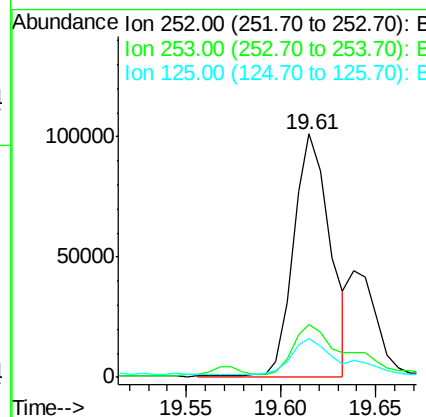
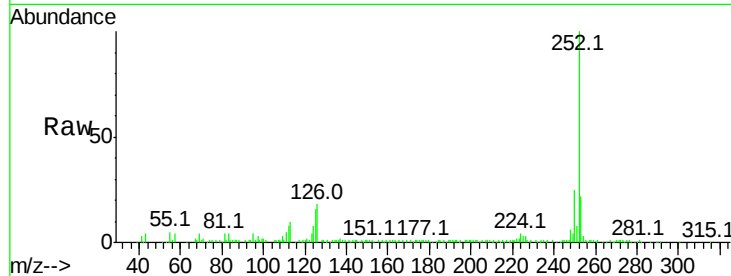
#87
Benzo(b)fluoranthene
Concen: 22.94 ng m
RT: 19.61 min Scan# 3065
Delta R.T. -0.00 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)20170603

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	15.7	9.8	14.8

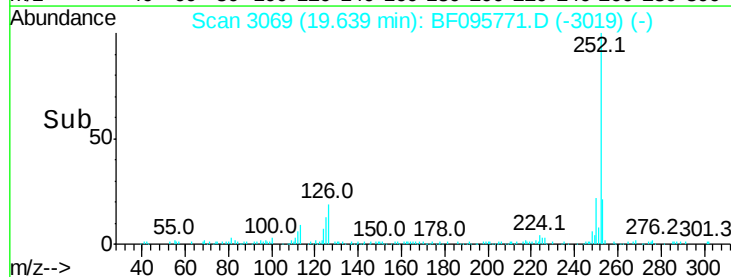
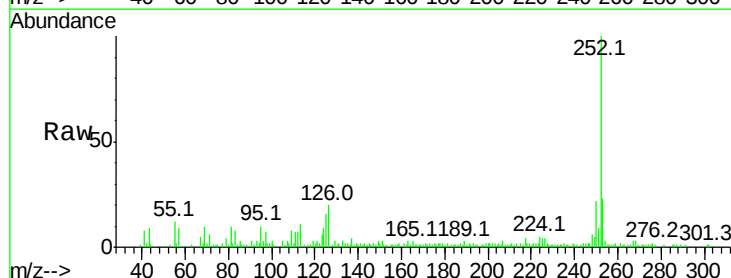
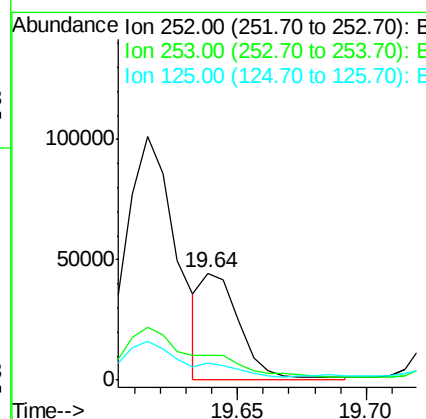
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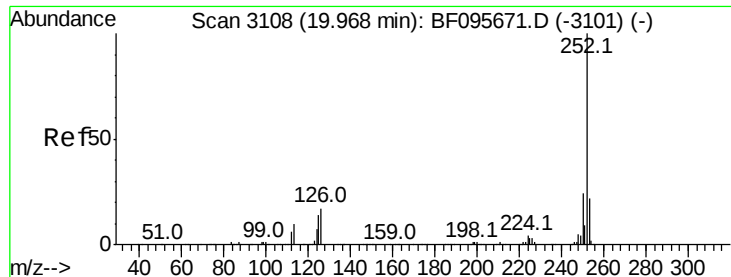
mohammad
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#88
Benzo(k)fluoranthene
Concen: 7.98 ng m
RT: 19.64 min Scan# 3069
Delta R.T. -0.01 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	15.9	13.1	19.7





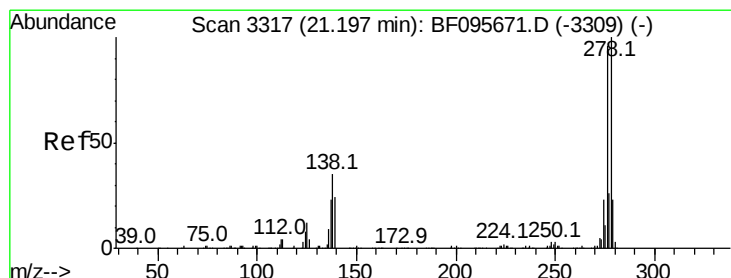
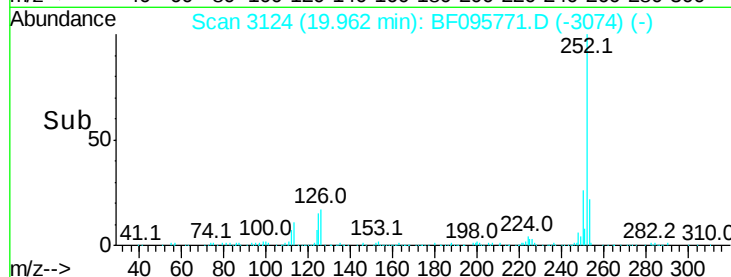
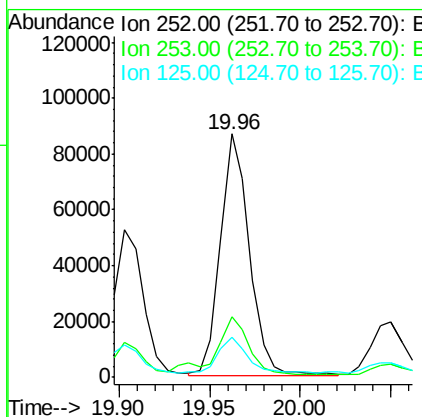
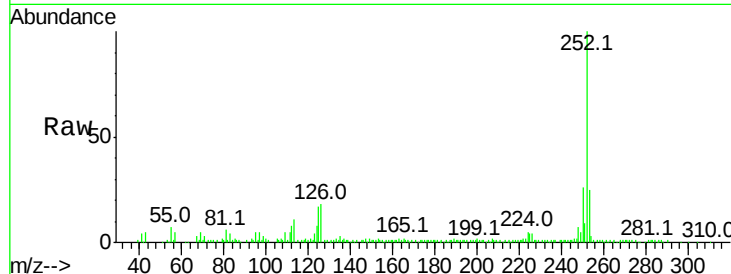
#89
Benzo(a)pyrene
Concen: 17.51 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)20170603

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	16.6	11.0	16.4

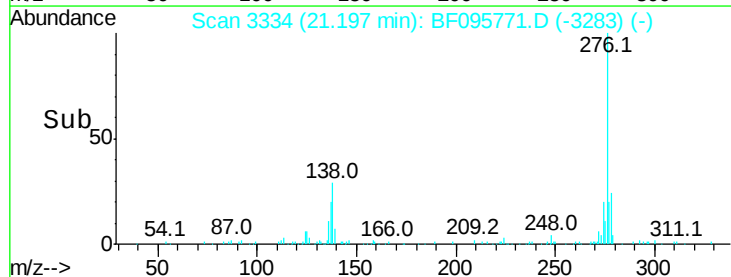
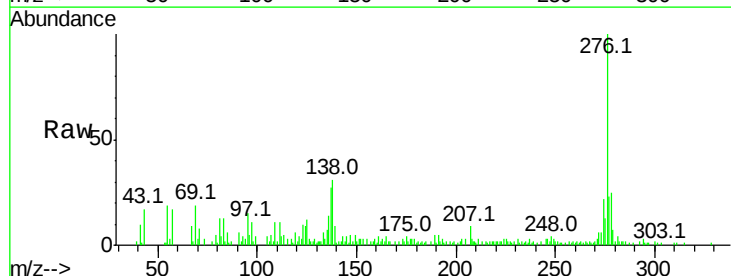
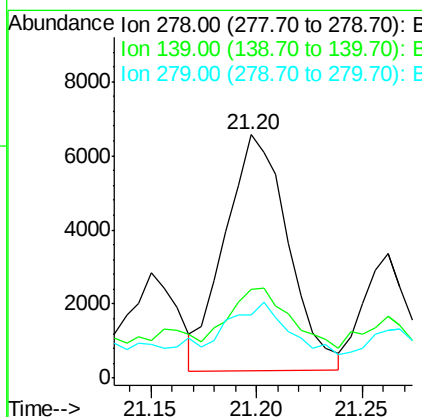
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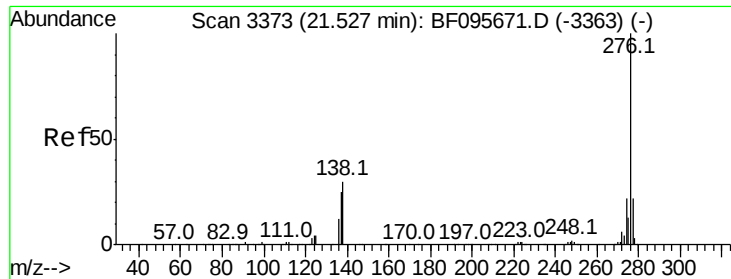
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 2.81 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095771.D
Acq: 8 Jun 2017 5:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	36.6	16.6	24.8
279	25.8	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 8.65 ng
 RT: 21.54 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: BF095771.D
 Acq: 8 Jun 2017 5:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)20170603

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.0	18.6	28.0#
138	34.8	25.4	38.0

Manual Integrations
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