

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
 Data File : BF095770.D
 Acq On : 8 Jun 2017 4:51
 Operator : SJ/MA
 Sample : I3465-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-S9-BASE

Manual Integrations
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Quant Time: Jun 08 07:53:55 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	70305	20.00	ng	-0.01
21) Naphthalene-d8	9.42	136	279944	20.00	ng	-0.02
38) Acenaphthene-d10	12.24	164	111741	20.00	ng	-0.02
63) Phenanthrene-d10	14.63	188	170182	20.00	ng	-0.01
75) Chrysene-d12	18.34	240	142840	20.00	ng	-0.01
86) Perylene-d12	20.01	264	101727	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	303653	68.82	ng	-0.01
7) Phenol-d6	6.94	99	364265	68.96	ng	-0.02
23) Nitrobenzene-d5	8.29	82	195605	43.39	ng	-0.03
41) 2,4,6-Tribromophenol	13.53	330	55507	56.14	ng	-0.02
44) 2-Fluorobiphenyl	11.19	172	263788	32.85	ng	-0.02
78) Terphenyl-d14	17.00	244	159073	27.64	ng	-0.01
Target Compounds						Qvalue
11) bis(2-Chloroethyl)ether	7.02	93	41043	9.46	ng	98
17) 2-Methylphenol	7.93	107	18817	4.78	ng	95
20) 3+4-Methylphenols	8.22	107	22353	4.47	ng	# 57
27) 2,4-Dimethylphenol	9.03	122	27817	7.11	ng	# 93
31) Naphthalene	9.45	128	188175	13.39	ng	99
37) 2-Methylnaphthalene	10.58	142	29895	3.15	ng	93
49) Dimethylphthalate	11.89	163	90192	10.63	ng	98
70) Phenanthrene	14.67	178	33048	3.37	ng	99
77) Pyrene	16.75	202	30210	2.83	ng	98
80) Benzo(a)anthracene	18.33	228	18944	2.28	ng	94
82) Chrysene	18.38	228	18879m	2.27	ng	
89) Benzo(a)pyrene	19.96	252	21798	3.72	ng	98
91) Benzo(a,h,i)perylene	21.54	276	10470	2.07	ng	# 89

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

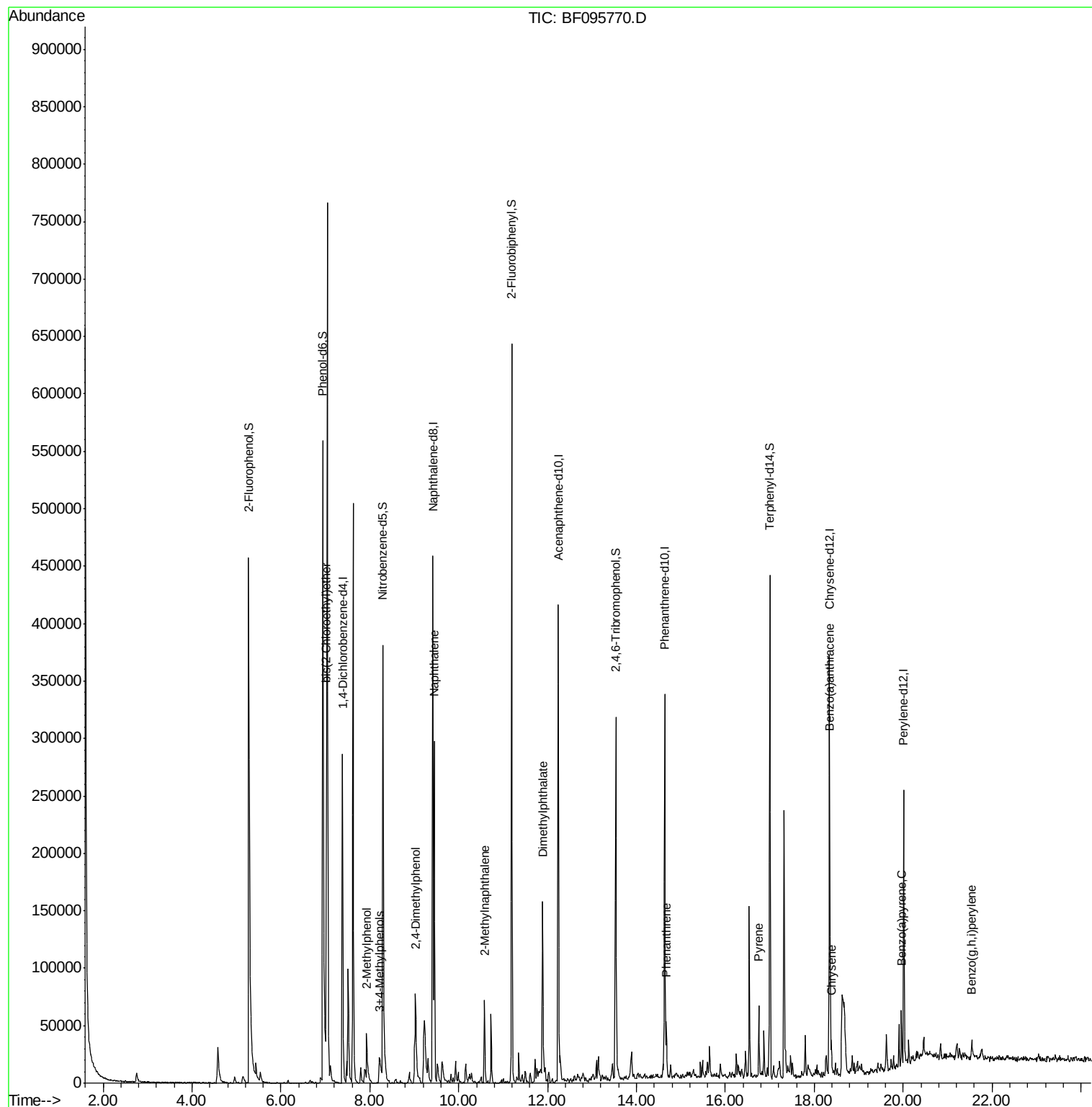
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060717\
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ALS Vial : 26 Sample Multiplier: 1

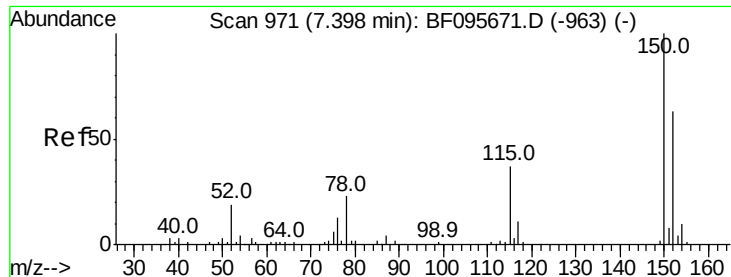
Instrument :
BNA_F
ClientSampleId :
E2-S9-BASE

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#1

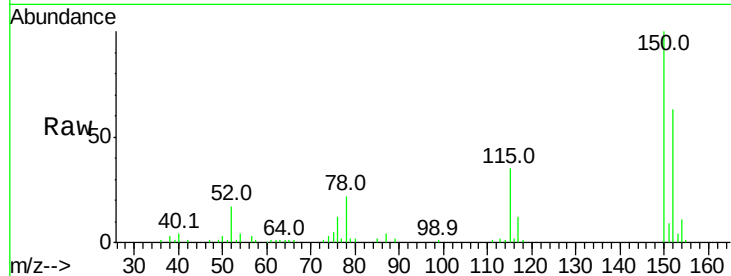
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Instrument :
BNA_F
ClientSampled :
E2-S9-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.2	189.2
115	55.6	52.2	78.2

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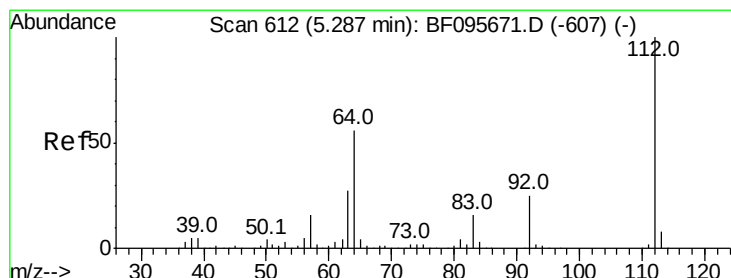
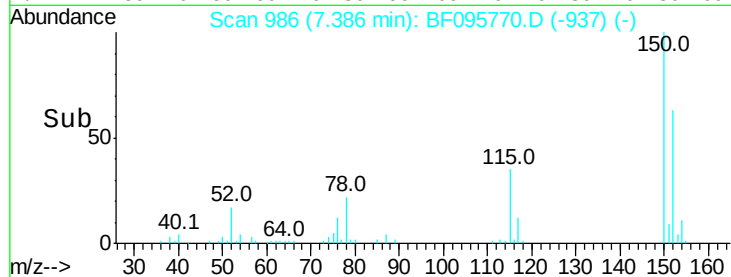
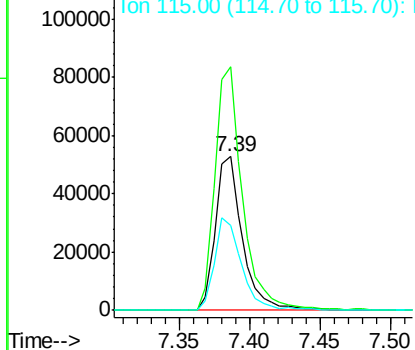


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

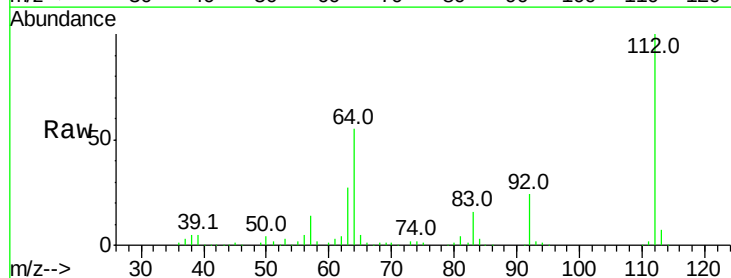
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 68.82 ng
RT: 5.27 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.0	69.0
63	27.0	23.4	35.0

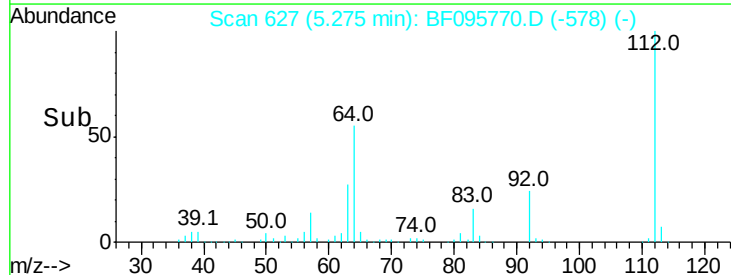
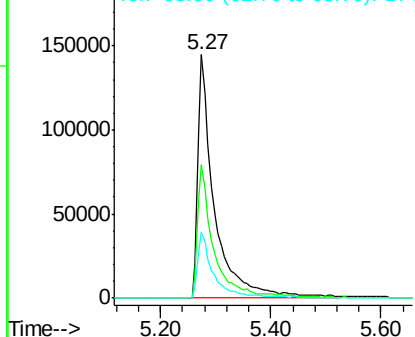


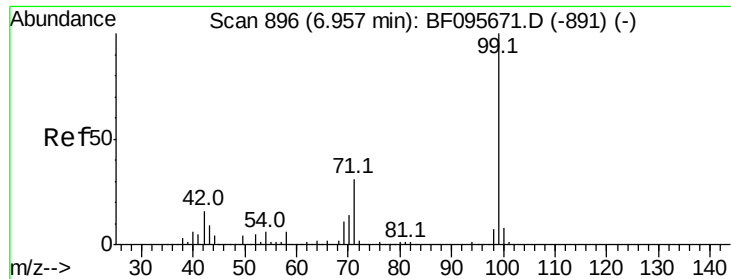
Abundance

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: 68.96 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095770.D

Acq: 8 Jun 2017 4:51

Instrument :

BNA_F

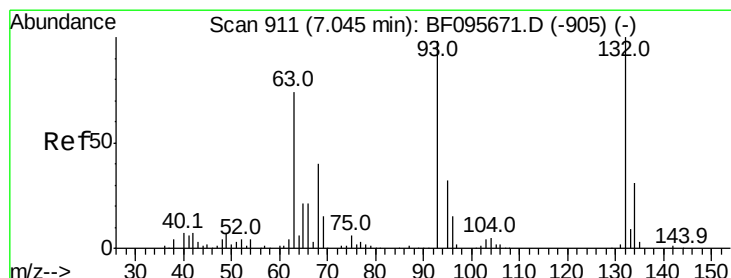
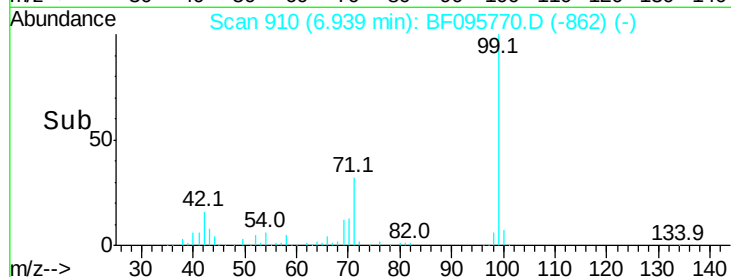
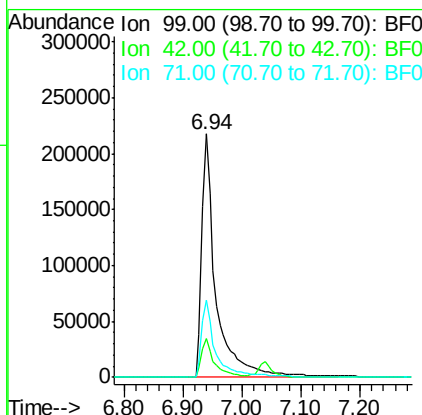
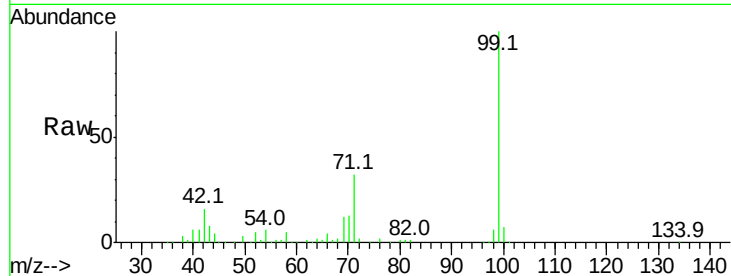
ClientSampleId :

E2-S9-BASE

Tot Ion:	99	Resp:	364265
Ion Ratio	Lower	Upper	
99	100		
42	15.9	13.5	20.3
71	31.8	24.5	36.7

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#11

bis(2-Chloroethyl)ether

Concen: 9.46 ng

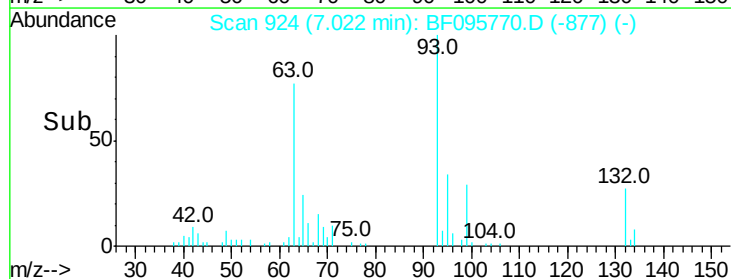
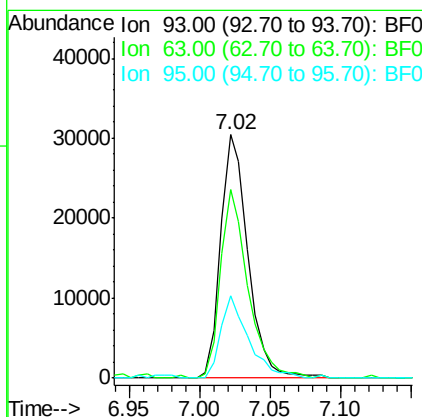
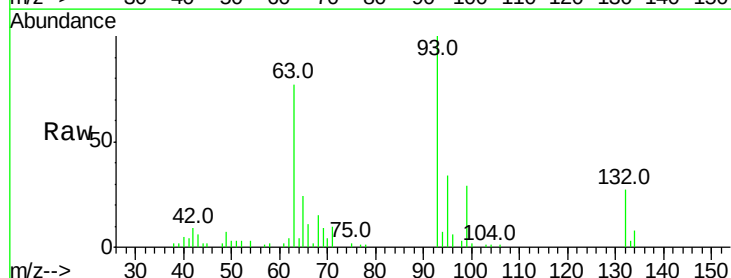
RT: 7.02 min Scan# 924

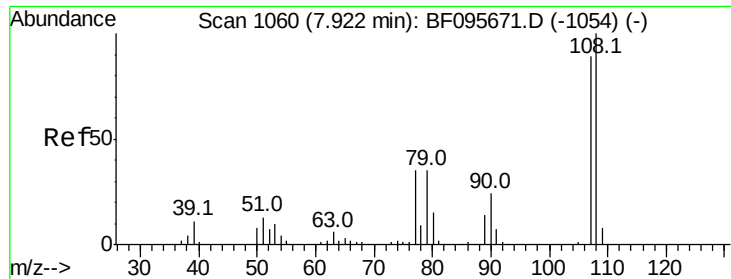
Delta R.T. -0.02 min

Lab File: BF095770.D

Acq: 8 Jun 2017 4:51

Tgt Ion:	93	Resp:	41043
Ion Ratio	Lower	Upper	
93	100		
63	77.3	59.2	99.2
95	33.8	12.8	52.8





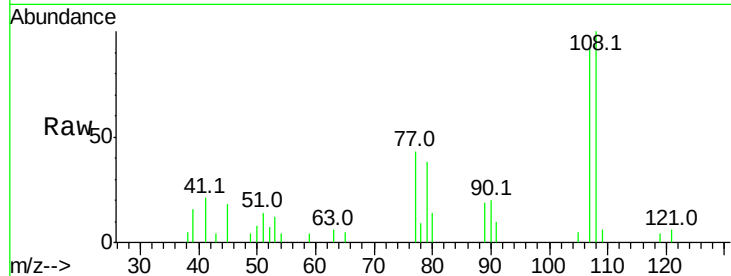
#17
2-Methylphenol
Concen: 4.78 ng
RT: 7.93 min Scan# 1078
Delta R.T. 0.01 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Instrument :
BNA_F
ClientSampled :
E2-S9-BASE

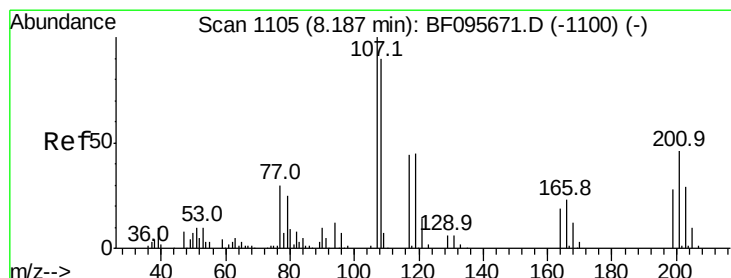
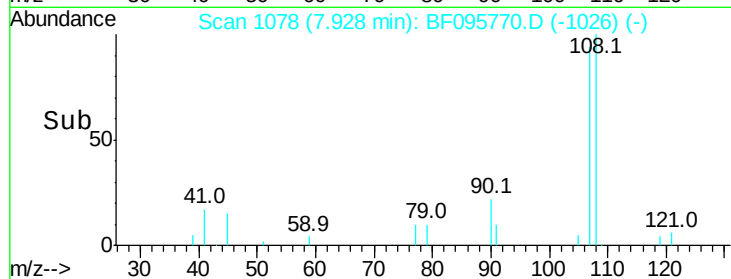
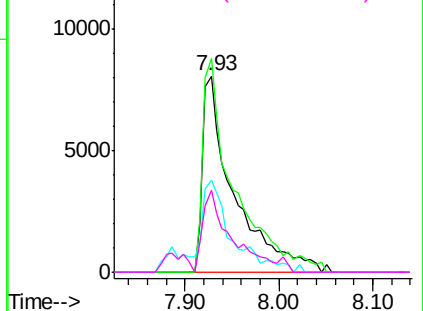
Tot Ion:	107	Resp:	18817
Ion Ratio	Lower	Upper	
107	100		
108	108.8	93.4	140.0
77	46.8	35.8	53.6
79	41.7	34.8	52.2

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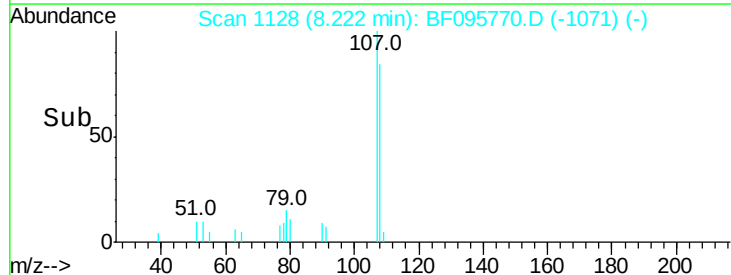
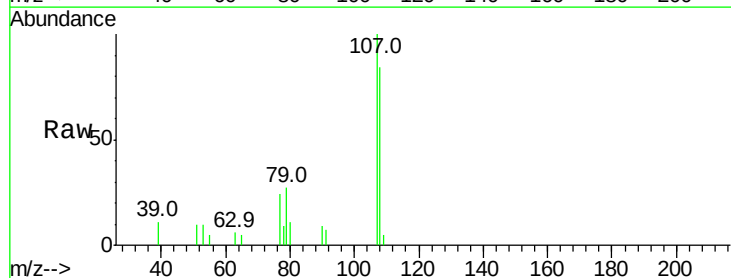
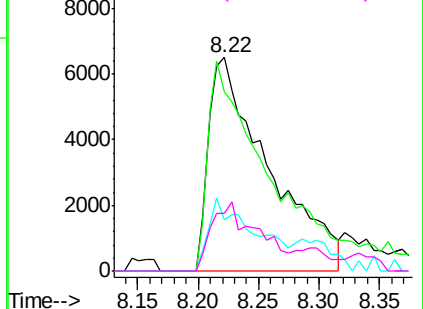
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0

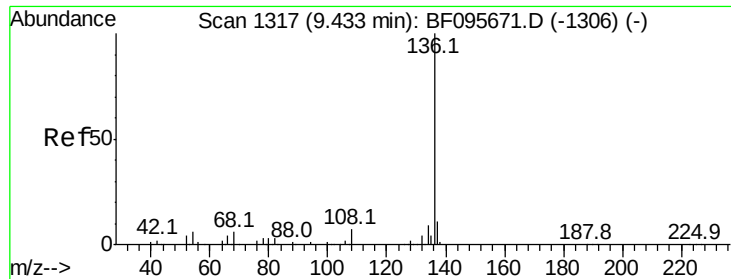


#20
3+4-Methylphenols
Concen: 4.47 ng
RT: 8.22 min Scan# 1128
Delta R.T. 0.04 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Tgt Ion:	107	Resp:	22353
Ion Ratio	Lower	Upper	
107	100		
108	84.1	71.0	111.0
77	23.8	90.5	130.5#
79	26.8	8.4	48.4

Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





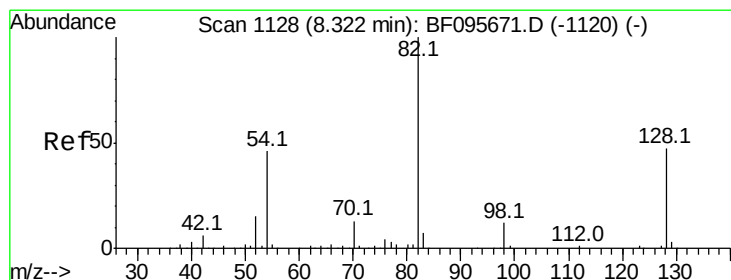
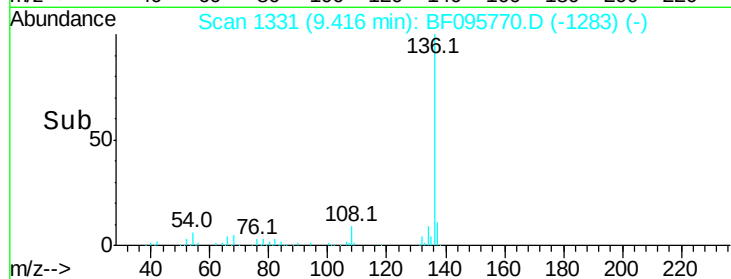
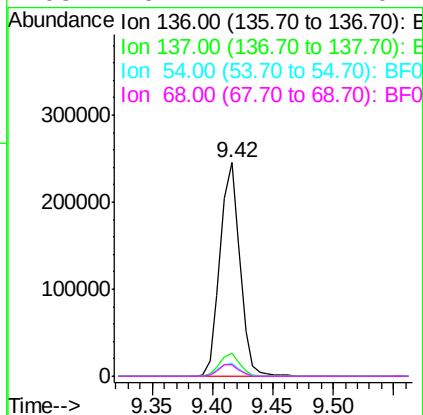
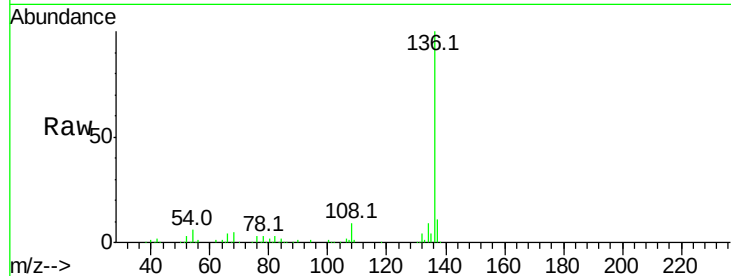
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.42 min Scan# 1331
Delta R.T. -0.02 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Instrument :
BNA_F
ClientSampleId :
E2-S9-BASE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		279944		
137	10.8		8.5	12.7	
54	6.3		4.9	7.3	
68	5.1		4.1	6.1	

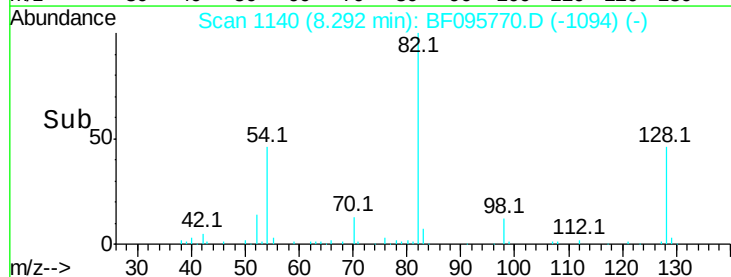
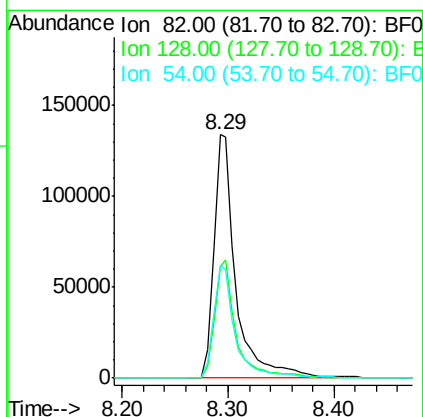
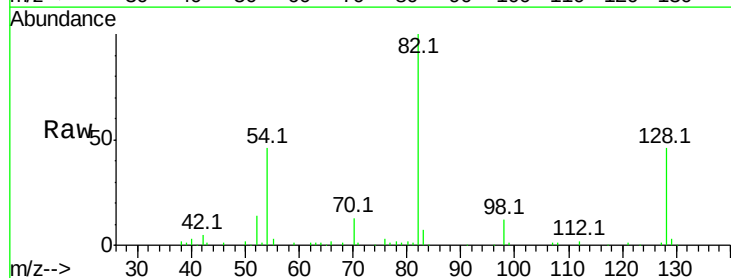
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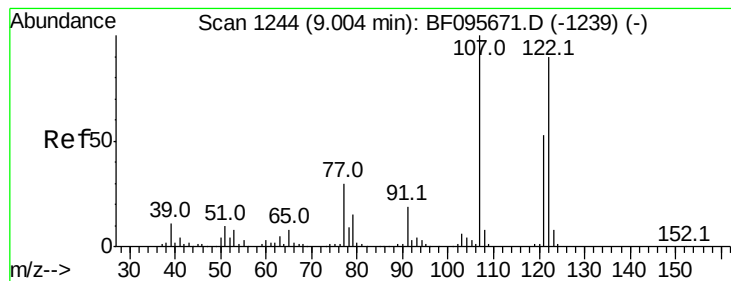
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#23
Nitrobenzene-d5
Concen: 43.39 ng
RT: 8.29 min Scan# 1140
Delta R.T. -0.03 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		195605		
128	45.8		34.0	51.0	
54	46.2		42.2	63.2	





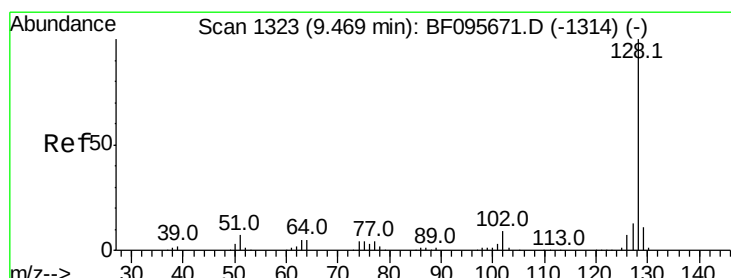
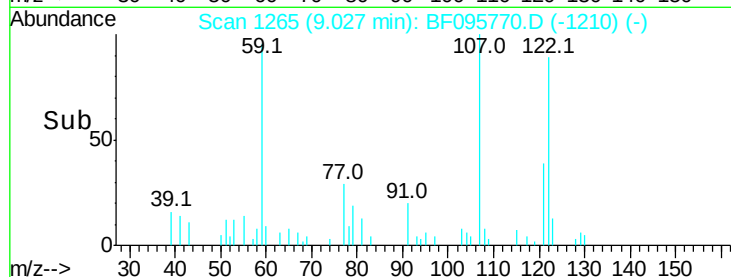
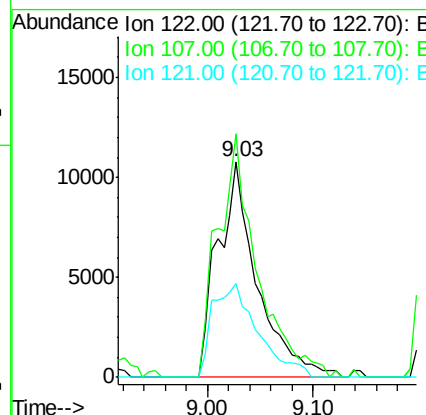
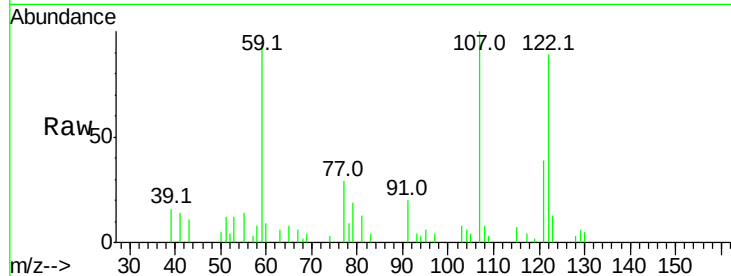
#27
 2,4-Dimethylphenol
 Concen: 7.11 ng
 RT: 9.03 min Scan# 1265
 Delta R.T. 0.02 min
 Lab File: BF095770.D
 Acq: 8 Jun 2017 4:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-S9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
122	100	27817		
107	113.0		89.2	133.8
121	43.8		45.2	67.8#

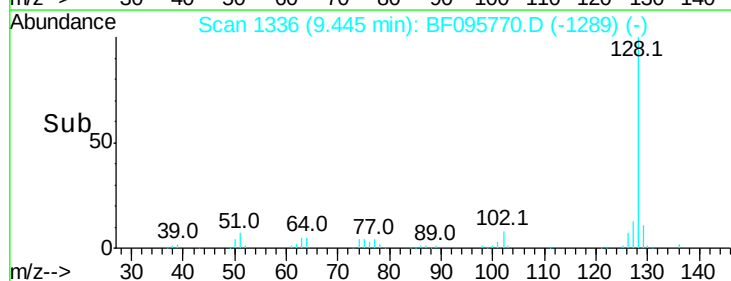
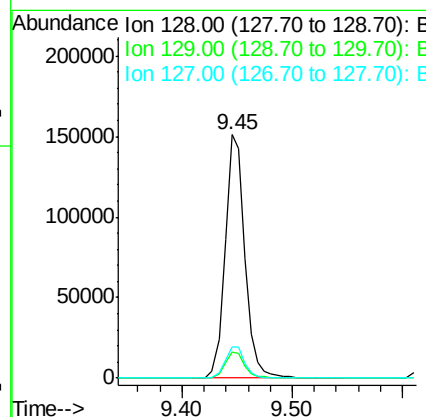
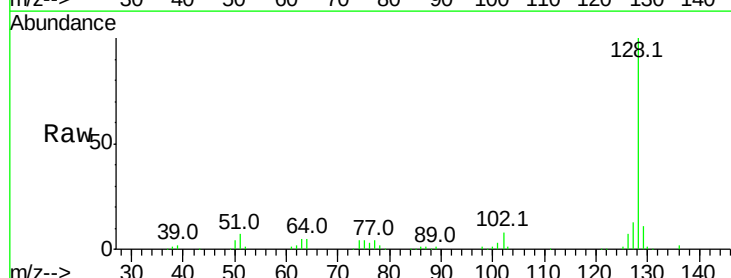
Manual Integrations
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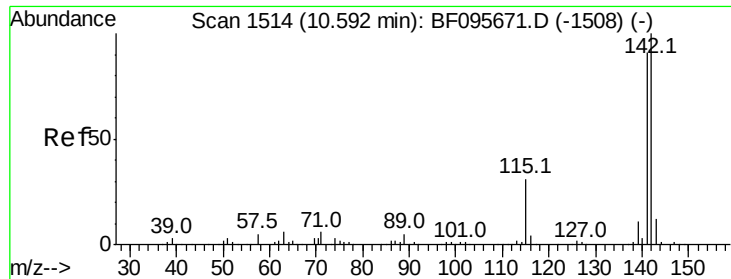
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#31
 Naphthalene
 Concen: 13.39 ng
 RT: 9.45 min Scan# 1336
 Delta R.T. -0.02 min
 Lab File: BF095770.D
 Acq: 8 Jun 2017 4:51

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	188175		
129	10.9		9.0	13.6
127	13.0		10.8	16.2





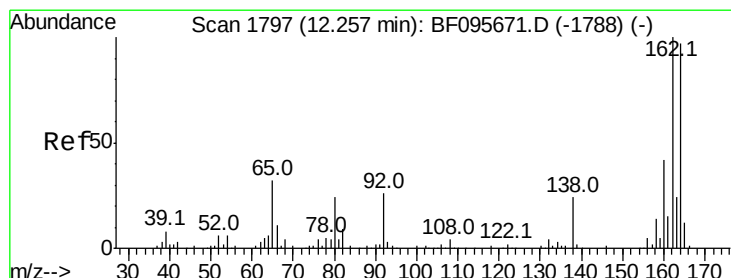
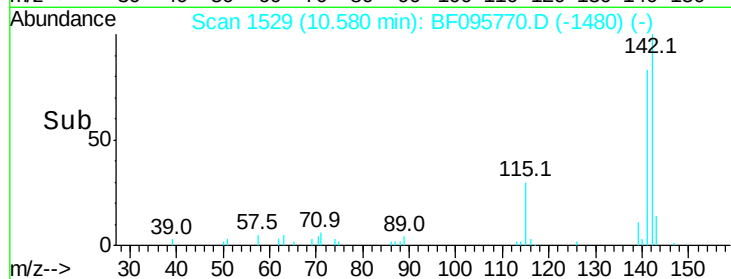
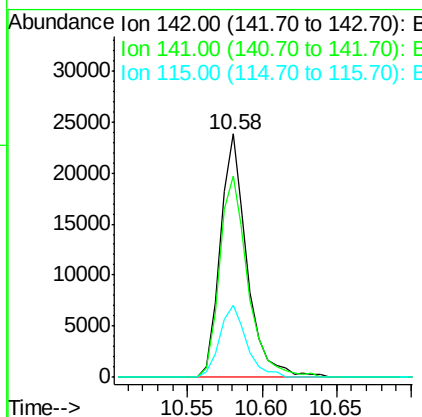
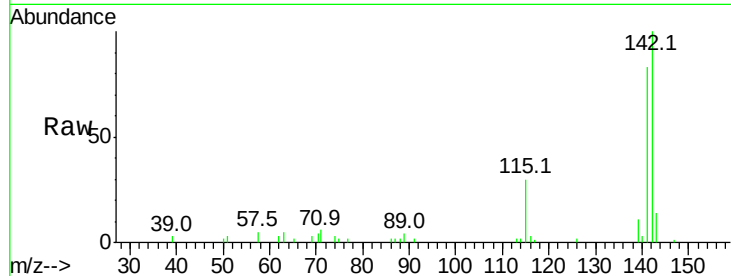
#37
2-Methylnaphthalene
Concen: 3.15 ng
RT: 10.58 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Instrument :
BNA_F
ClientSampleId :
E2-S9-BASE

Tot Ion	Ratio	Lower	Upper
142	100		
141	82.7	71.3	106.9
115	29.8	27.1	40.7

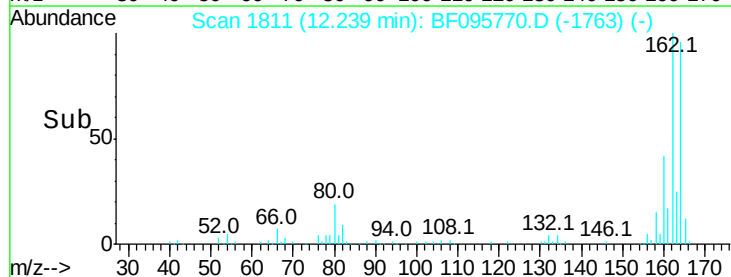
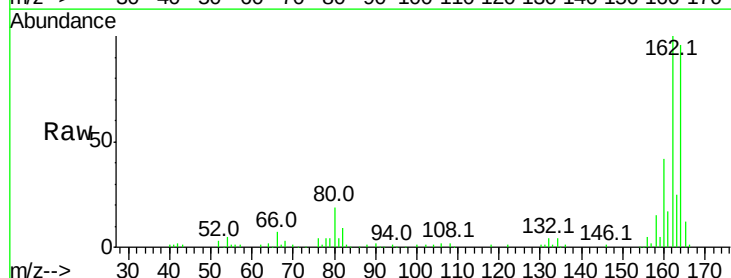
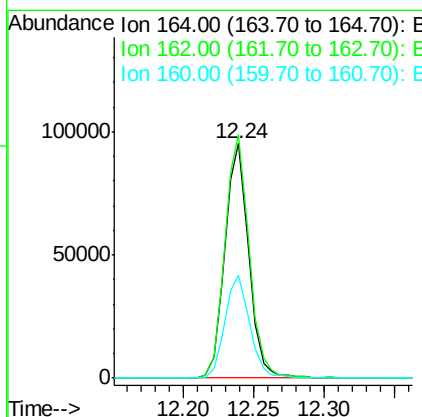
Manual Integrations
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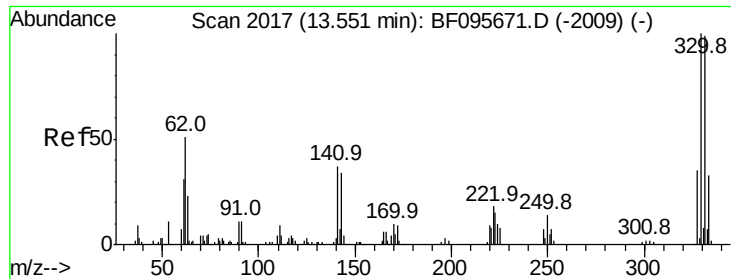
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 1811
Delta R.T. -0.02 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.6	123.8
160	43.7	36.2	54.2





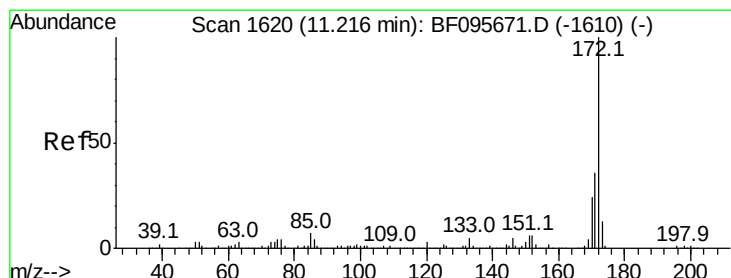
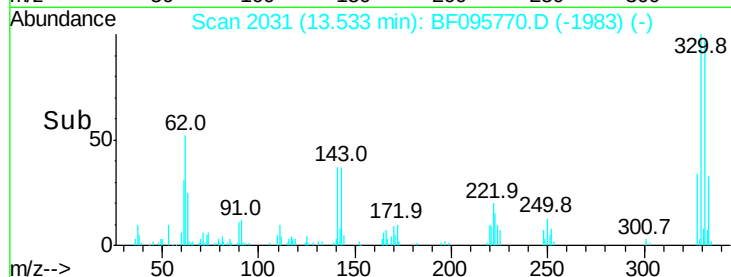
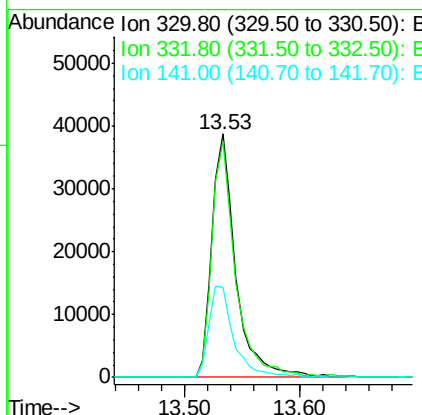
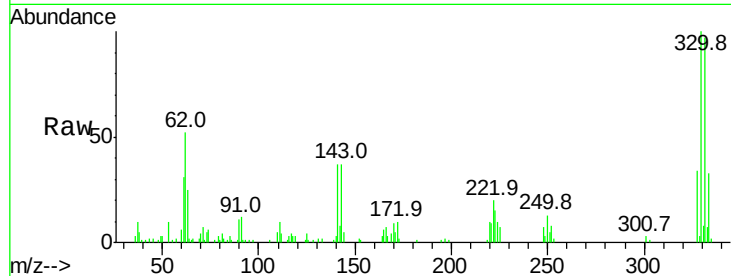
#41
 2,4,6-Tribromophenol
 Concen: 56.14 ng
 RT: 13.53 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF095770.D
 Acq: 8 Jun 2017 4:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-S9-BASE

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	39.3	31.4	47.2

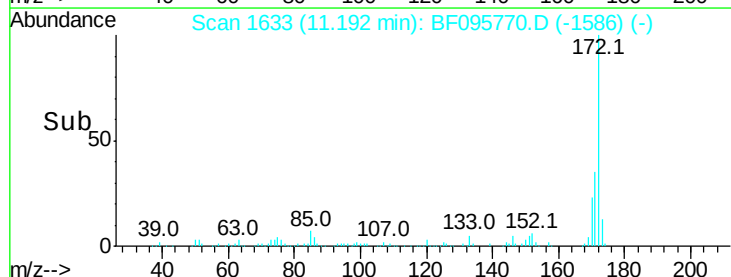
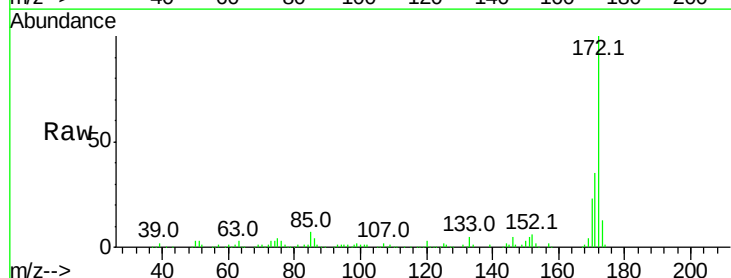
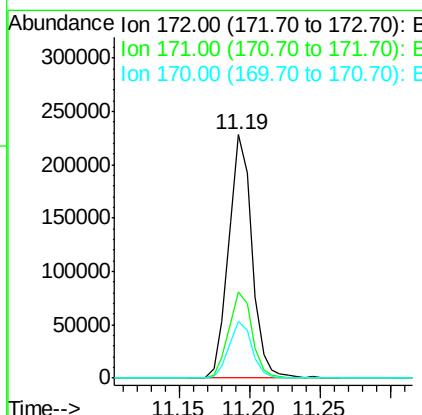
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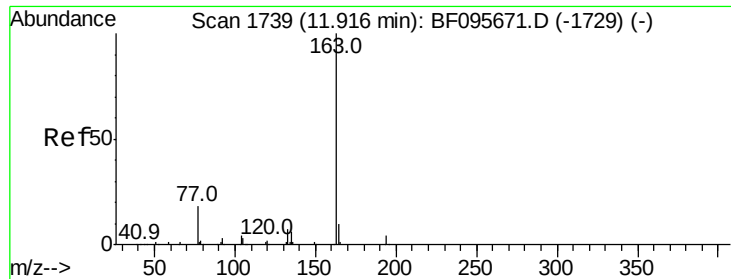
mohammad
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#44
 2-Fluorobiphenyl
 Concen: 32.85 ng
 RT: 11.19 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF095770.D
 Acq: 8 Jun 2017 4:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.5	19.8	29.8





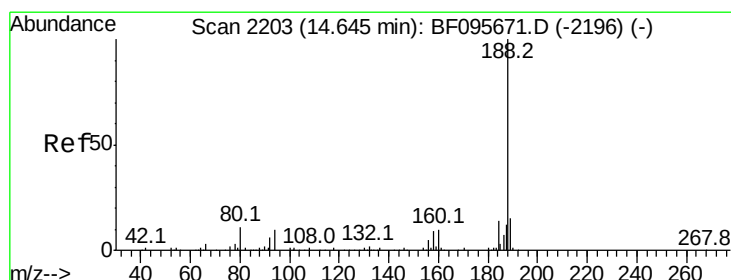
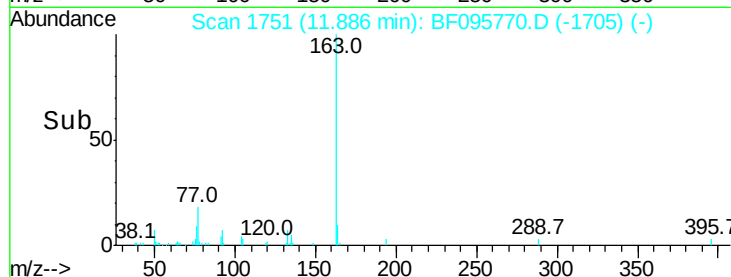
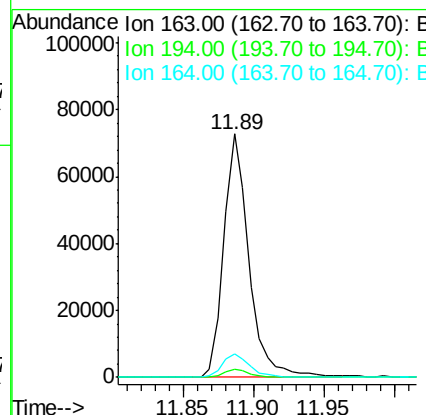
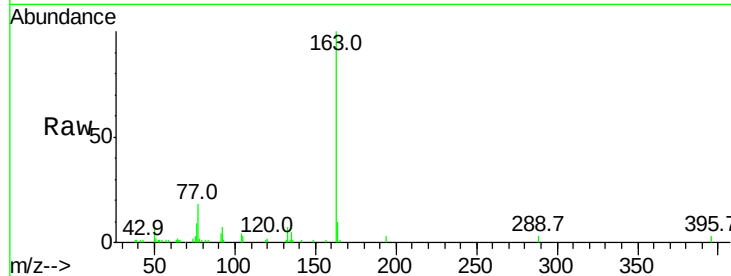
#49
Dimethylphthalate
Concen: 10.63 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Instrument :
BNA_F
ClientSampleId :
E2-S9-BASE

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.6	8.4	12.6

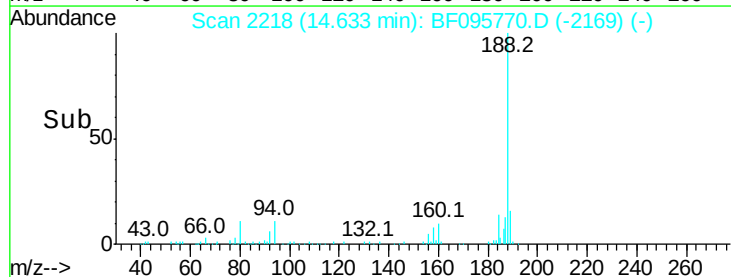
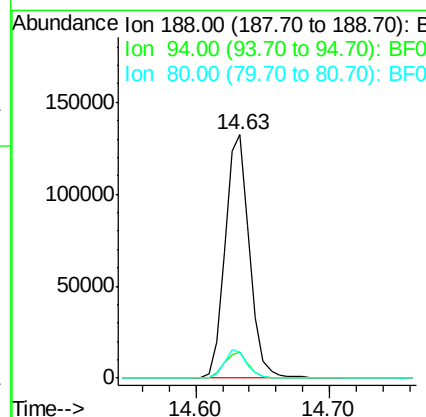
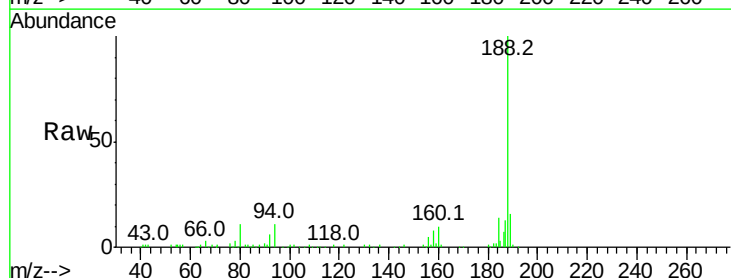
Manual Integrations
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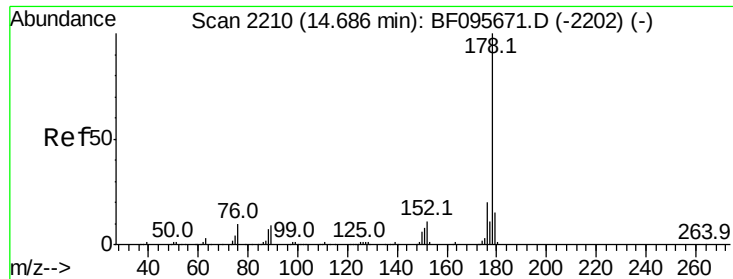
mohammad
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.63 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.9	9.4	14.2
80	10.6	10.2	15.2





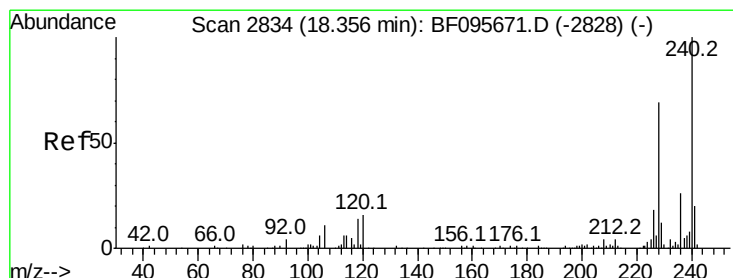
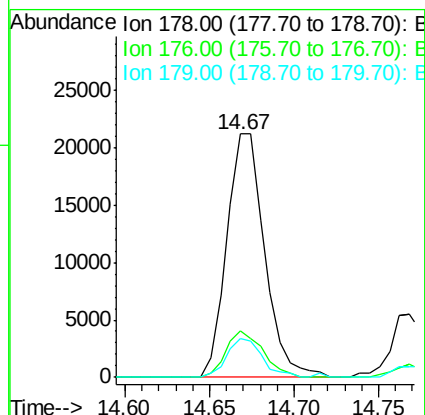
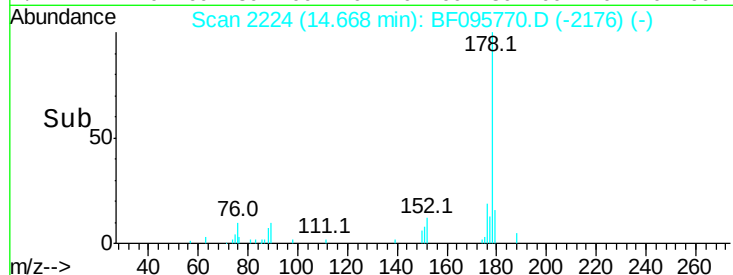
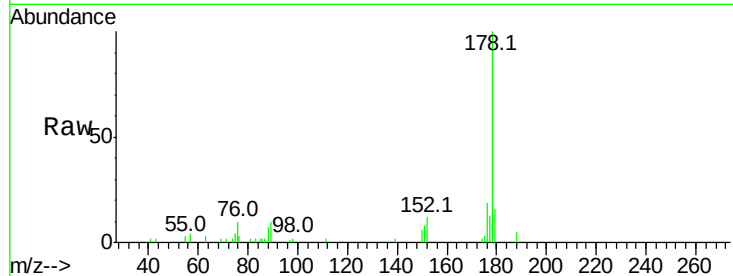
#70
 Phenanthrene
 Concen: 3.37 ng
 RT: 14.67 min Scan# 2224
 Delta R.T. -0.02 min
 Lab File: BF095770.D
 Acq: 8 Jun 2017 4:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-S9-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.8	12.6	19.0

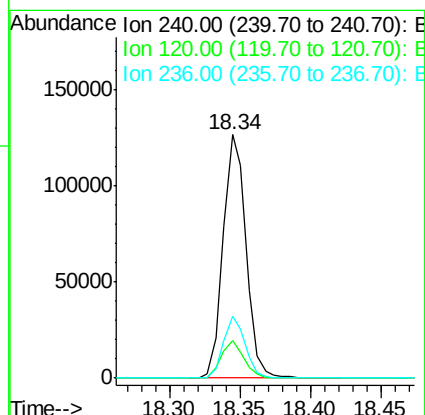
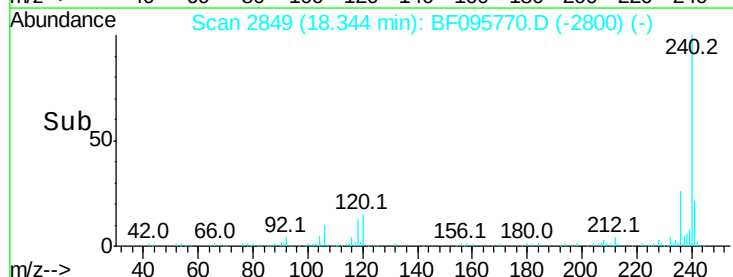
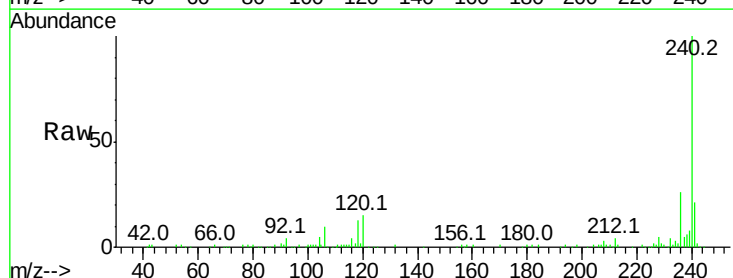
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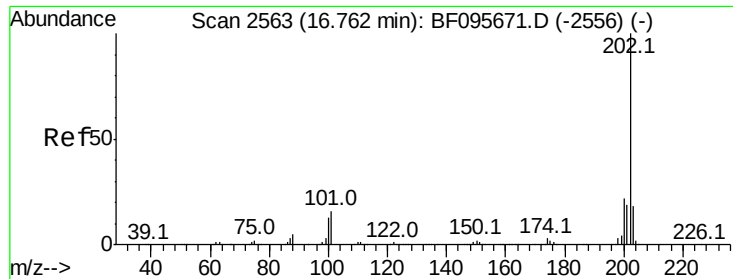
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.34 min Scan# 2849
 Delta R.T. -0.01 min
 Lab File: BF095770.D
 Acq: 8 Jun 2017 4:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.3	5.8	8.8#
236	25.5	20.5	30.7





#77

Pvrene

Concen: 2.83 ng

RT: 16.75 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095770.D

Acq: 8 Jun 2017 4:51

Instrument :

BNA_F

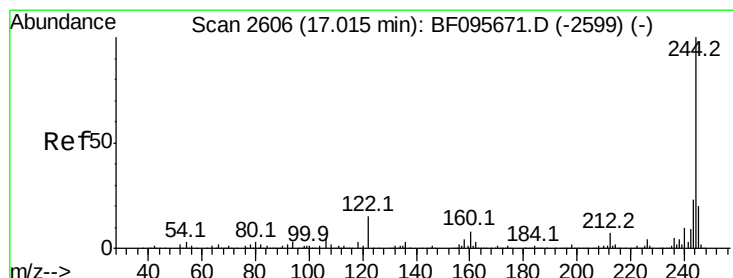
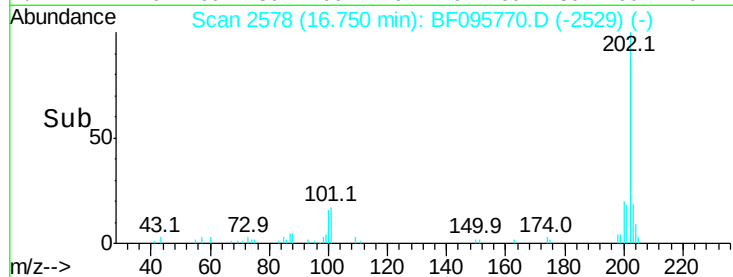
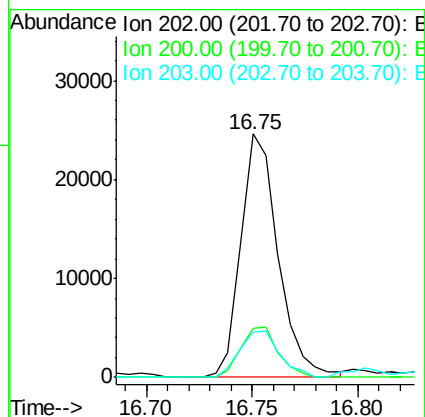
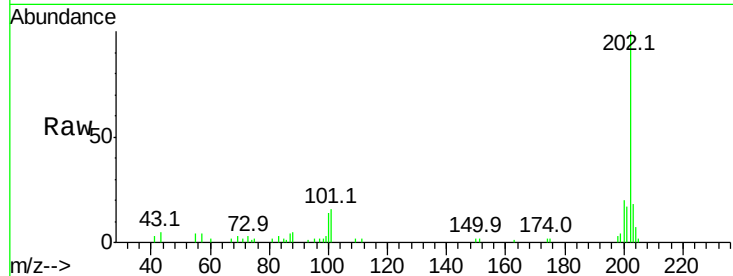
ClientSampleId :

E2-S9-BASE

Tot Ion:	202	Resp:	30210
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.6	26.4
203	18.4	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 27.64 ng

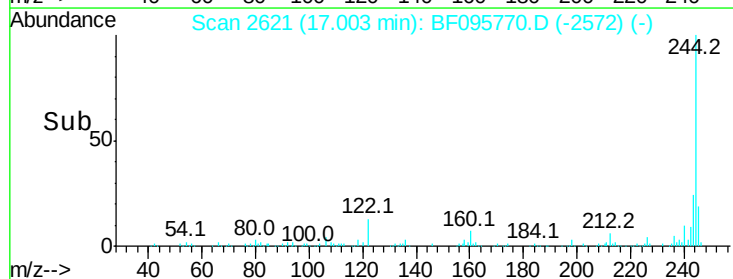
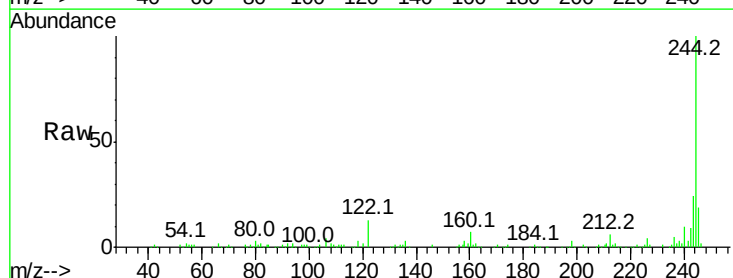
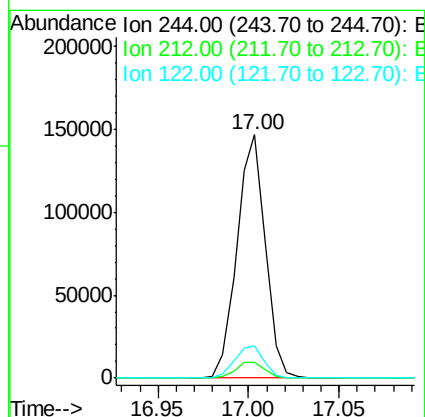
RT: 17.00 min Scan# 2621

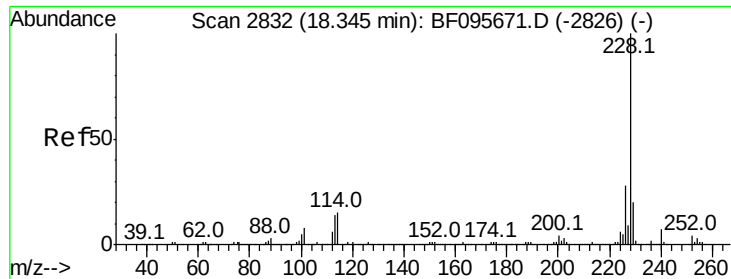
Delta R.T. -0.01 min

Lab File: BF095770.D

Acq: 8 Jun 2017 4:51

Tgt Ion:	244	Resp:	159073
Ion Ratio	Lower	Upper	
244	100		
212	6.3	6.0	9.0
122	13.4	10.3	15.5





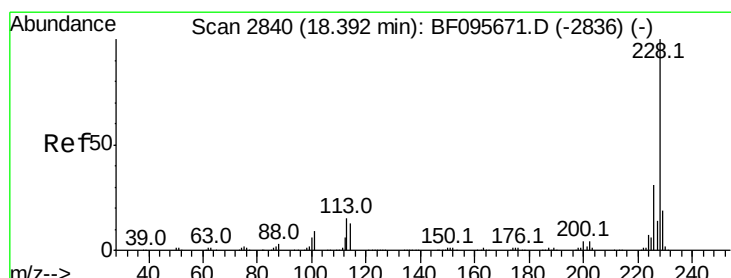
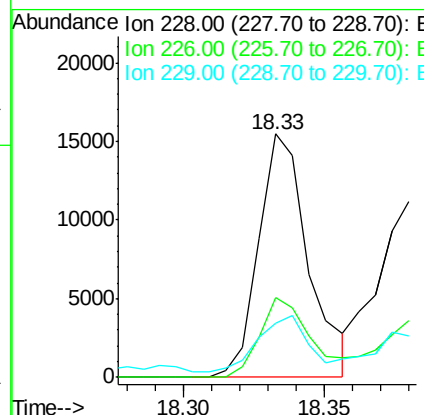
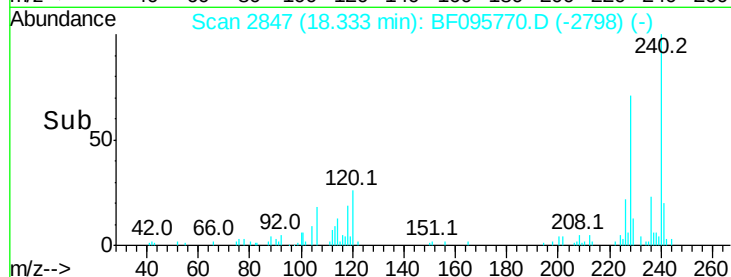
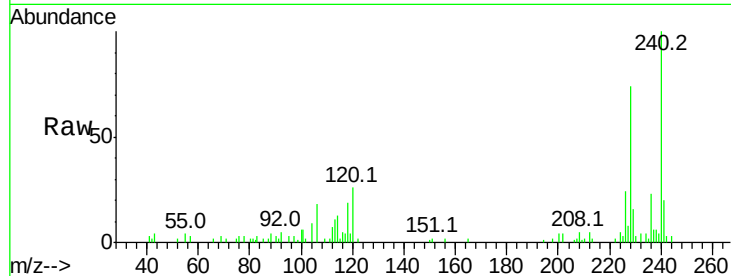
#80
Benzo(a)anthracene
Concen: 2.28 ng
RT: 18.33 min Scan# 2847
Delta R.T. -0.01 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Instrument :
BNA_F
ClientSampleId :
E2-S9-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	33.8
229	22.2	16.3	24.5

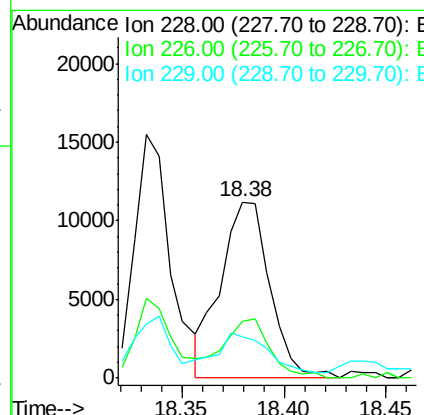
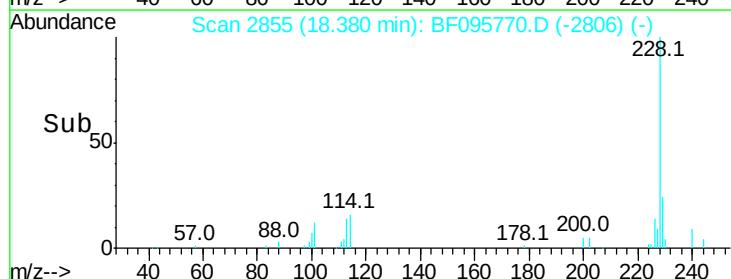
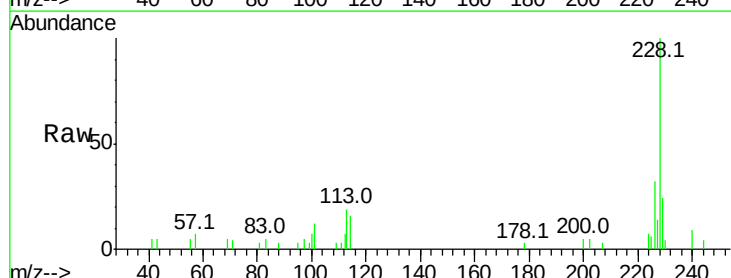
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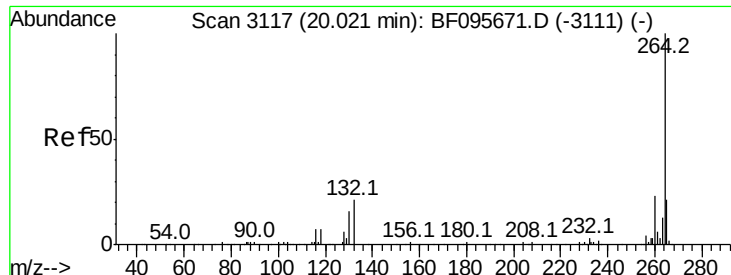
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#82
Chrysene
Concen: 2.27 ng m
RT: 18.38 min Scan# 2855
Delta R.T. -0.01 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	24.9	37.3
229	23.7	15.8	23.6#





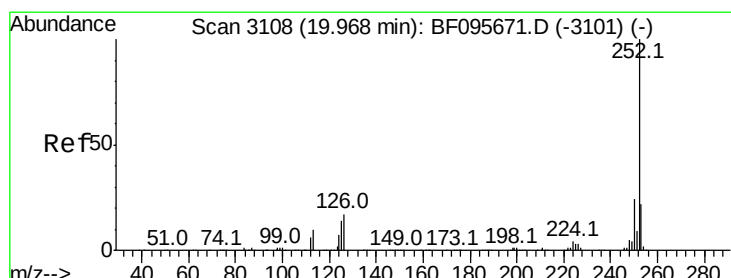
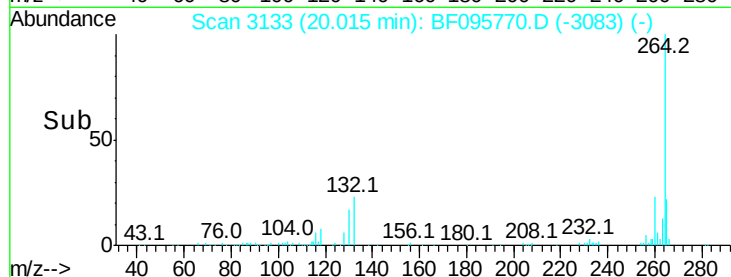
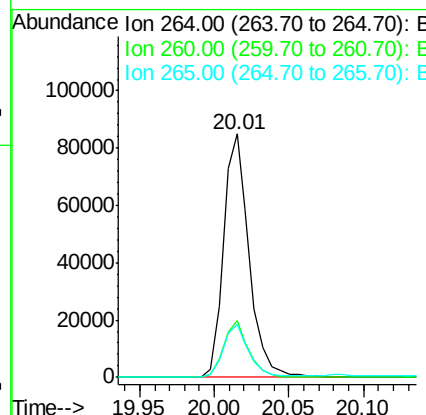
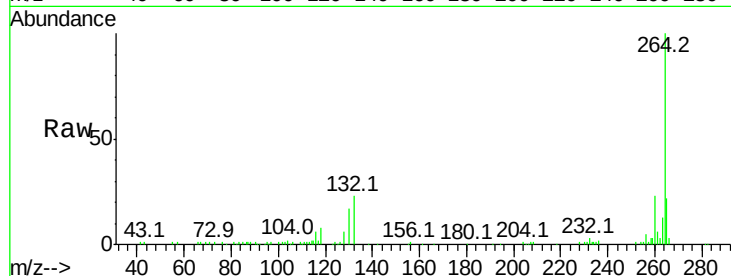
#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.01 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Instrument :
BNA_F
ClientSampled :
E2-S9-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.9	17.2	25.8

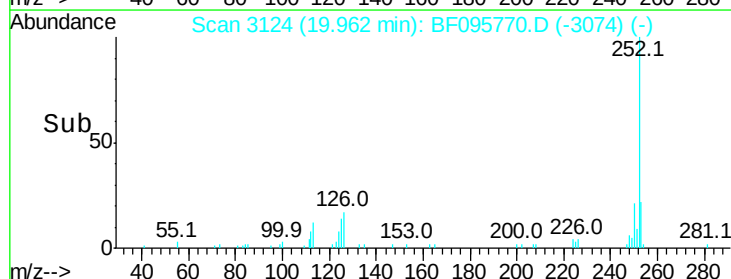
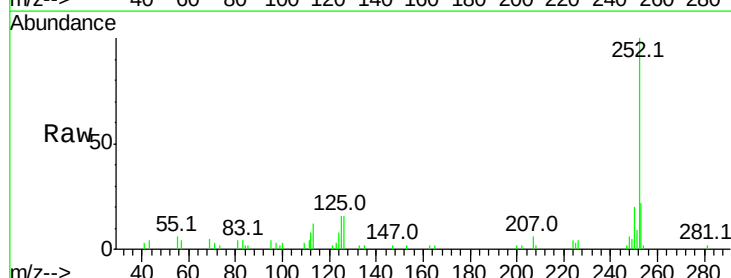
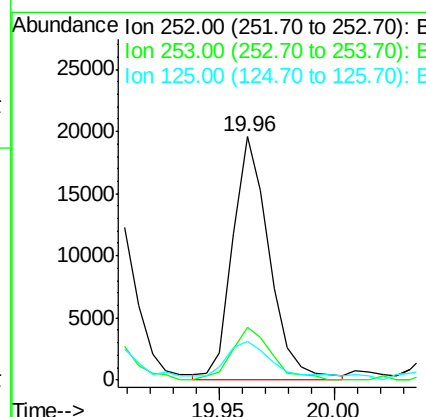
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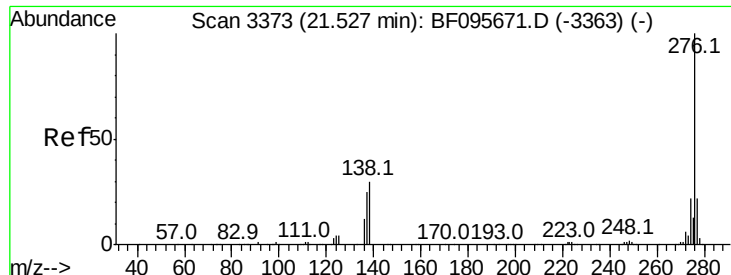
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#89
Benzo(a)pyrene
Concen: 3.72 ng
RT: 19.96 min Scan# 3124
Delta R.T. -0.01 min
Lab File: BF095770.D
Acq: 8 Jun 2017 4:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	15.8	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.07 ng
 RT: 21.54 min Scan# 3393
 Delta R.T. 0.02 min
 Lab File: BF095770.D
 Acq: 8 Jun 2017 4:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-S9-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	22.0	25.4	38.0

Manual Integrations
 APPROVED

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