

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098635.D
 Acq On : 19 Sep 2017 7:22
 Operator : SJ/JU
 Sample : I5265-14
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-20D24

Manual Integrations
 APPROVED

Sohil
 9/19/2017 5:32:10 PM

Quant Time: Sep 19 08:01:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	108533	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	469326	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	202098	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	296648	20.00	ng	0.00
75) Chrysene-d12	13.79	240	247731	20.00	ng	0.00
86) Perylene-d12	15.19	264	228857	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	922997	125.74	ng	0.01
7) Phenol-d6	6.30	99	1025900	110.07	ng	0.00
23) Nitrobenzene-d5	7.22	82	638407	75.83	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	126455	93.75	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	958840	80.41	ng	0.00
78) Terphenyl-d14	12.73	244	690187	60.14	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.95	128	1797120	77.458	ng	99
37) 2-Methylnaphthalene	8.64	142	1307116	93.007	ng	97
45) 1,1'-Biphenyl	9.09	154	39709	2.195	ng	99
49) Dimethylphthalate	9.39	163	138658	8.863	ng	100
57) Fluorene	10.22	166	34571	2.597	ng	# 92
70) Phenanthrene	11.17	178	164761	10.477	ng	97
74) Fluoranthene	12.36	202	155886	9.902	ng	97
77) Pyrene	12.59	202	133344	6.823	ng	98
80) Benzo(a)anthracene	13.77	228	59568	4.101	ng	94
82) Chrysene	13.81	228	60042	4.090	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.52	276	29611	2.875	ng	92
87) Benzo(b)fluoranthene	14.79	252	81866m	5.689	ng	
88) Benzo(k)fluoranthene	14.82	252	27439m	2.043	ng	
89) Benzo(a)pyrene	15.13	252	42449	3.311	ng	# 84
91) Benzo(a,h,i)perylene	16.92	276	33612	3.583	ng	97

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

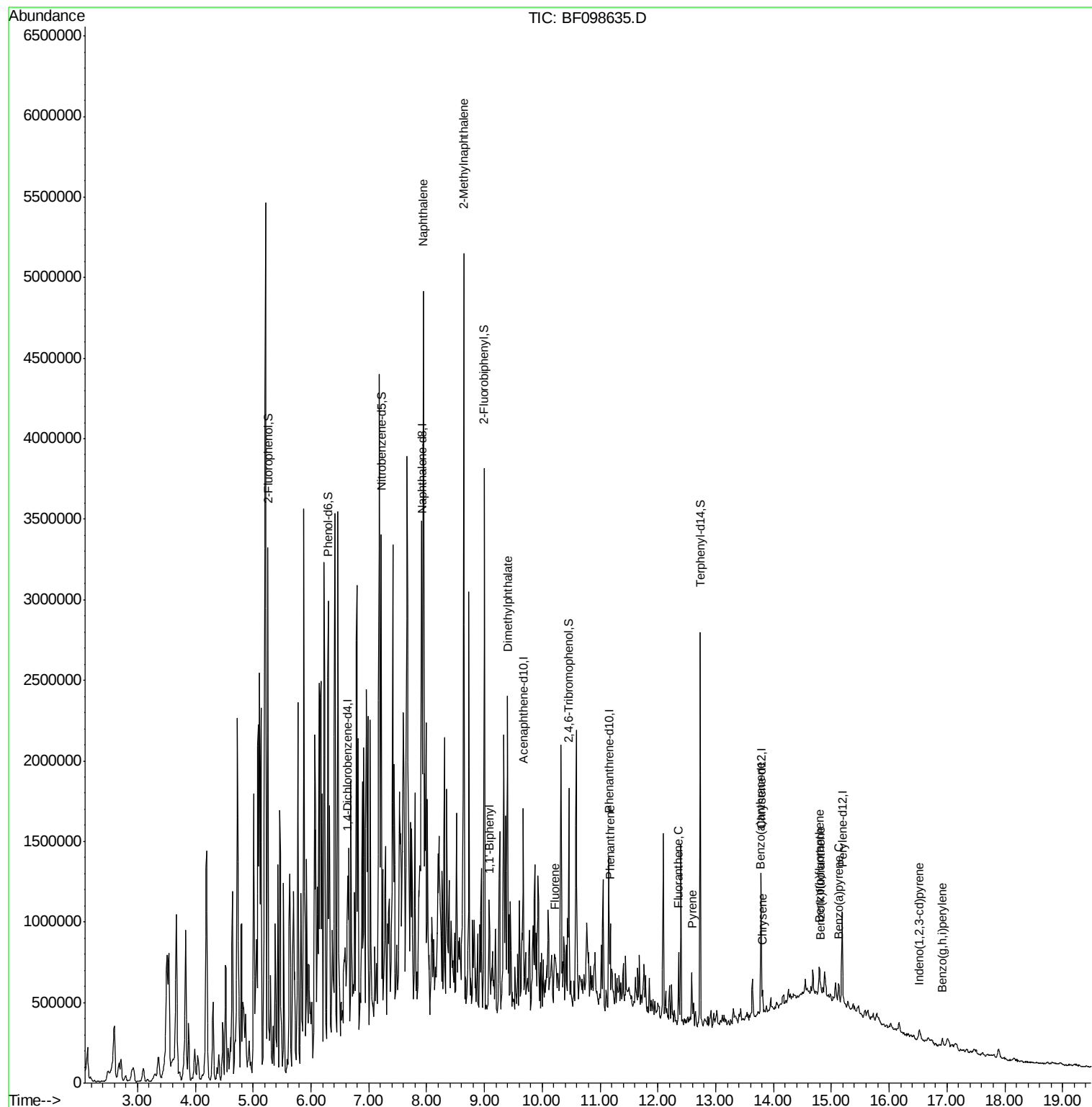
Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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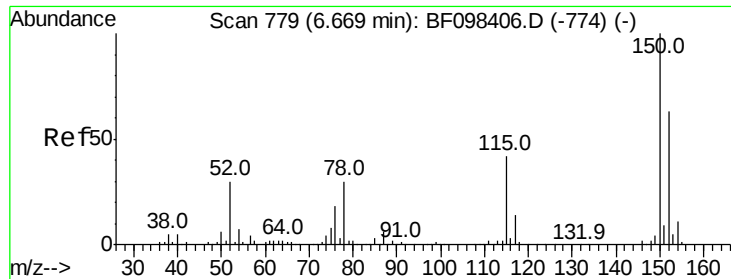
Instrument :
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ClientSampleId :
TP-20D24

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#1

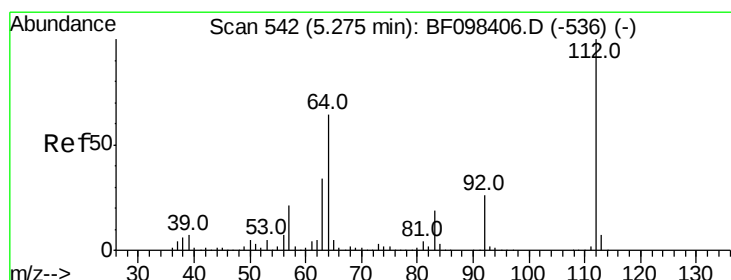
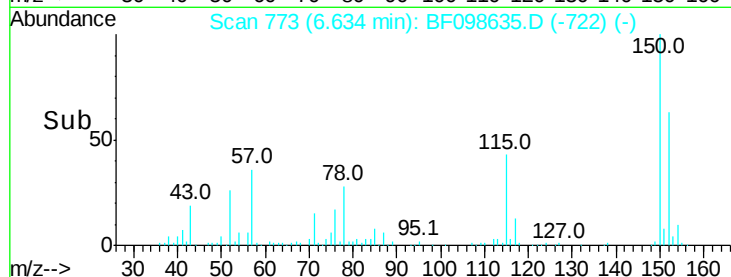
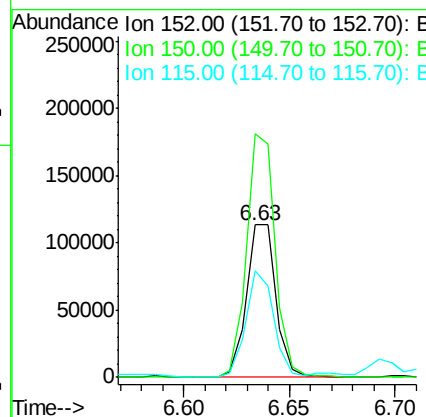
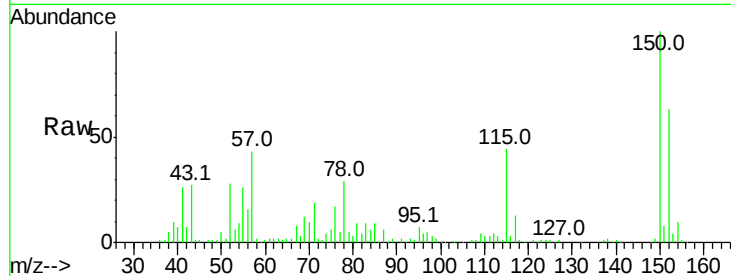
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.63 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: BF098635.D
 Acq: 19 Sep 2017 7:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-20D24

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.2	189.2
115	69.5	52.2	78.2

Manual Integrations
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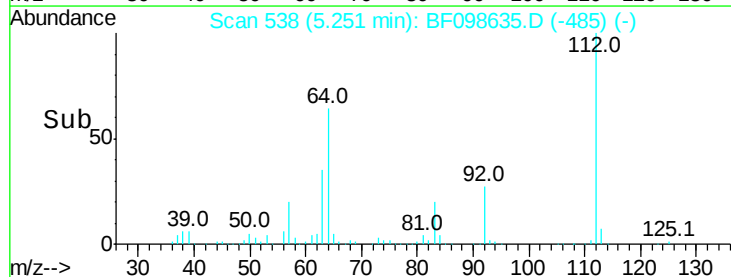
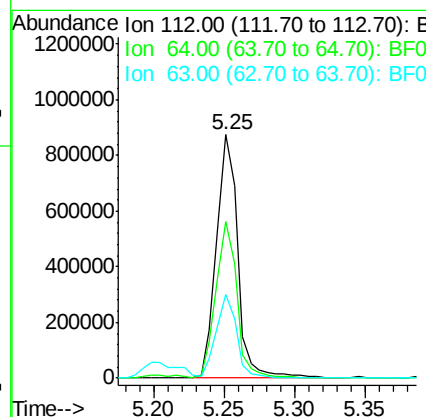
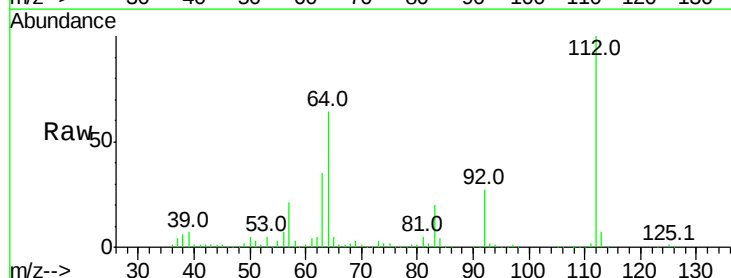
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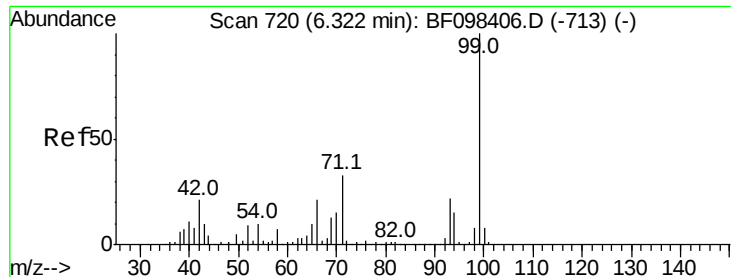


#5

2-Fluorophenol
 Concen: 125.738 ng
 RT: 5.25 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: BF098635.D
 Acq: 19 Sep 2017 7:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	46.0	69.0
63	34.6	23.4	35.0





#7

Phenol-d6

Concen: 110.073 ng

RT: 6.30 min Scan# 716

Delta R.T. 0.01 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA_F

ClientSampled :

TP-20D24

Tot Ion: 99 Resp: 1025900

Ion Ratio Lower Upper

99 100

42 20.6 13.5 20.3#

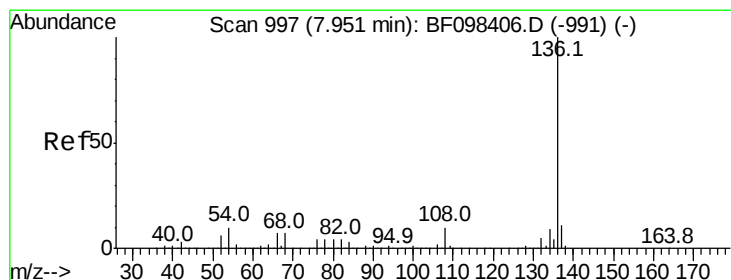
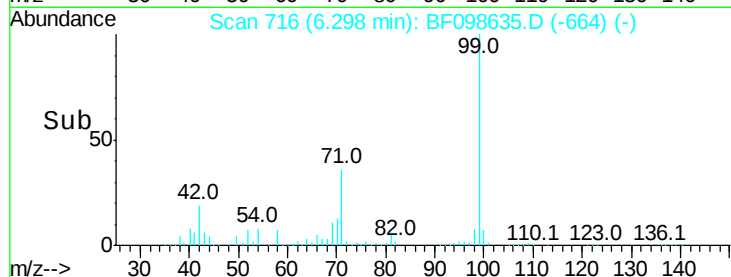
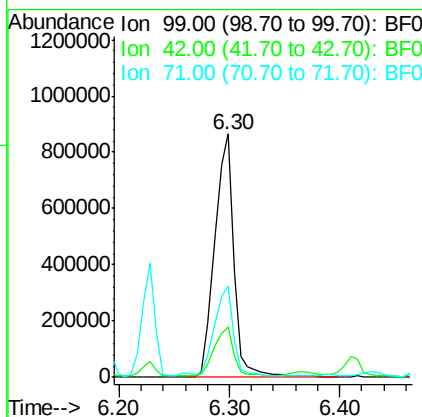
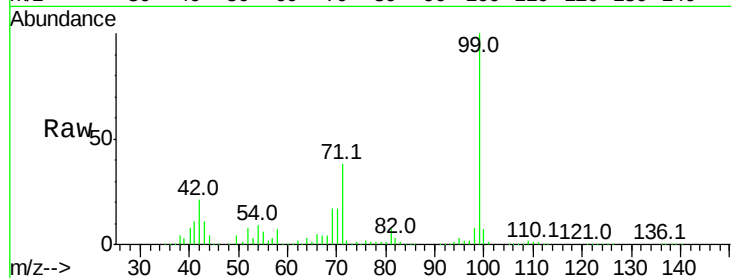
71 37.7 24.5 36.7#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Tgt Ion: 136 Resp: 469326

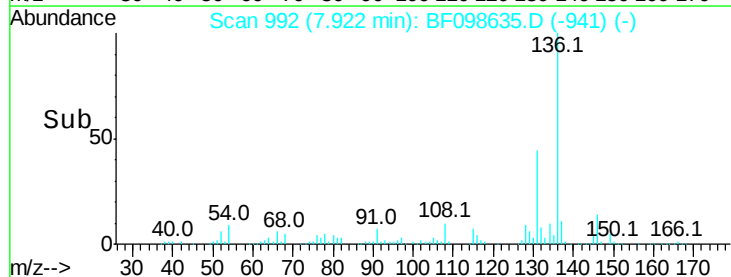
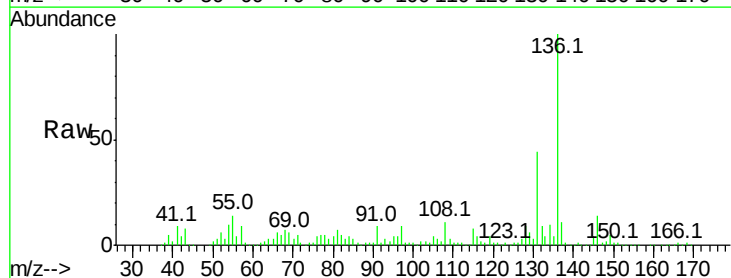
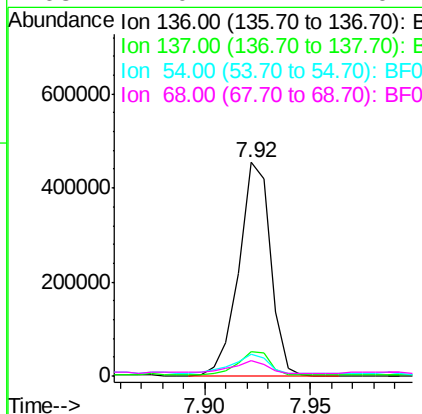
Ion Ratio Lower Upper

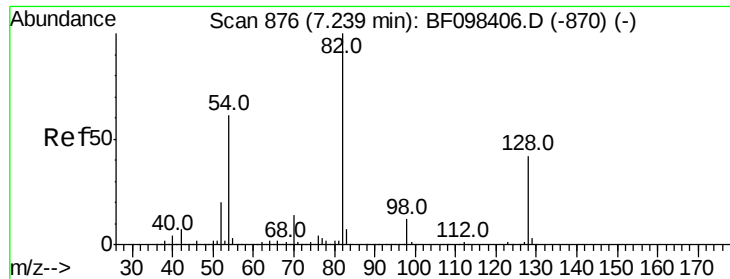
136 100

137 11.4 8.5 12.7

54 10.0 4.9 7.3#

68 7.0 4.1 6.1#





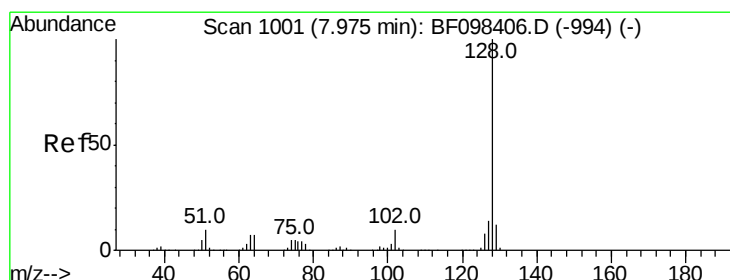
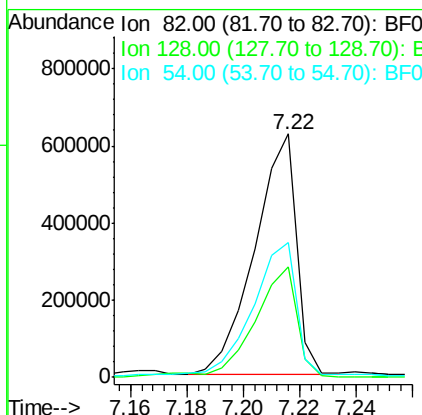
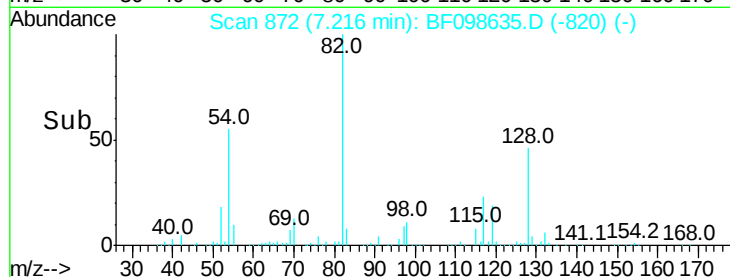
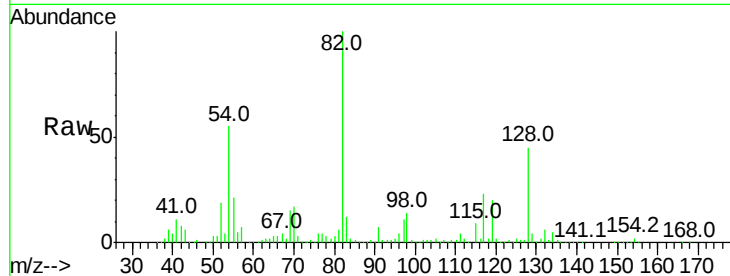
#23
Nitrobenzene-d5
Concen: 75.834 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.01 min
Lab File: BF098635.D
Acq: 19 Sep 2017 7:22

Instrument :
BNA_F
ClientSampled :
TP-20D24

Tot Ion:	82	Resp:	638407
Ion Ratio	Lower	Upper	
82	100		
128	45.3	34.0	51.0
54	55.3	42.2	63.2

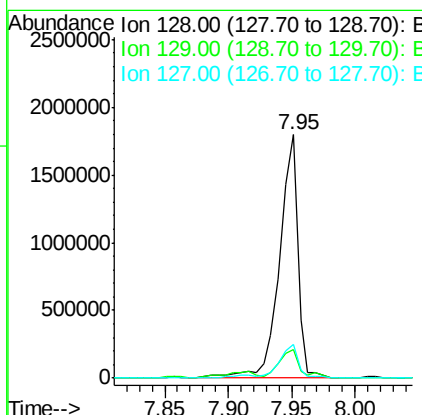
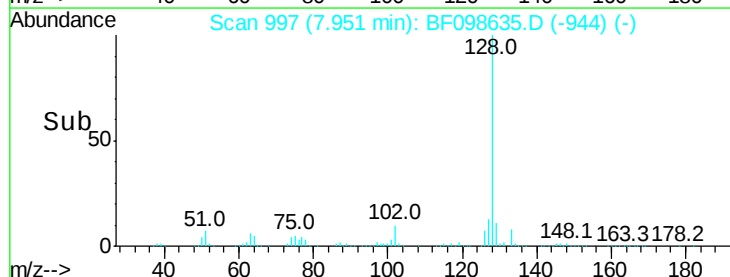
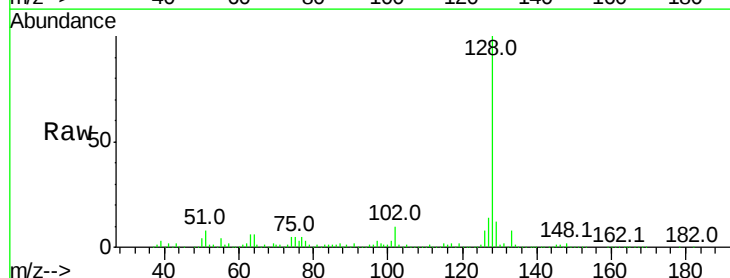
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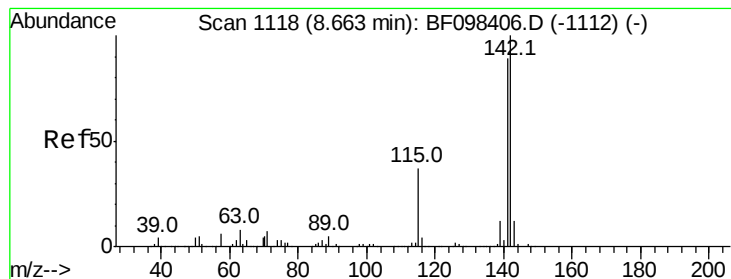
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#31
Naphthalene
Concen: 77.458 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.01 min
Lab File: BF098635.D
Acq: 19 Sep 2017 7:22

Tgt Ion:	128	Resp:	1797120
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.0	13.6
127	13.7	10.8	16.2





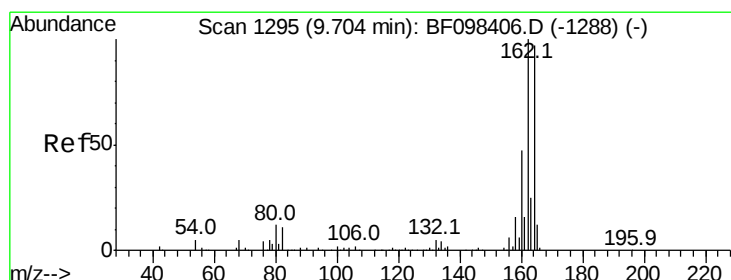
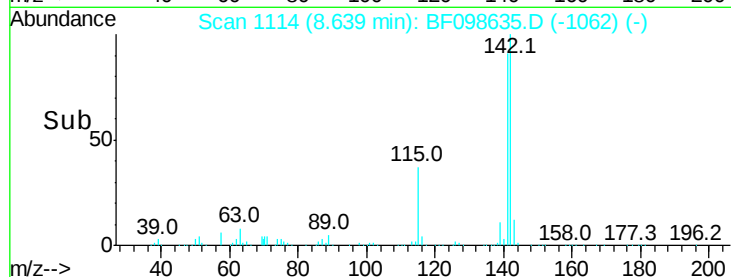
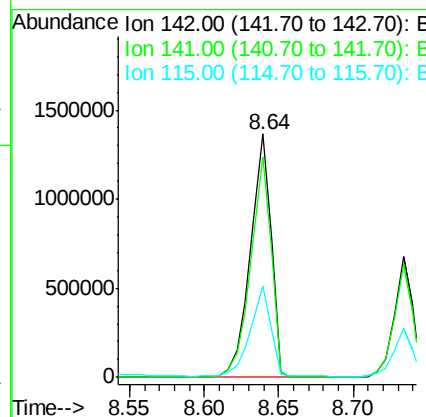
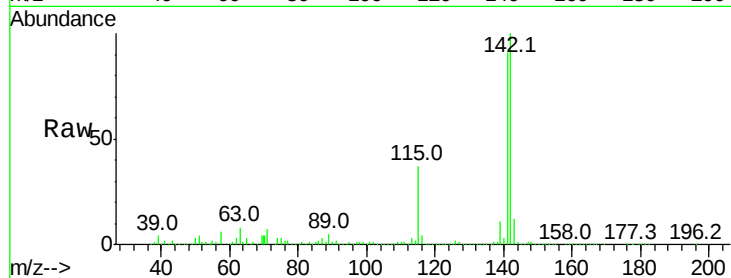
#37
2-Methylnaphthalene
Concen: 93.007 ng
RT: 8.64 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BF098635.D
Acq: 19 Sep 2017 7:22

Instrument :
BNA_F
ClientSampleId :
TP-20D24

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.3	106.9
115	37.4	27.1	40.7

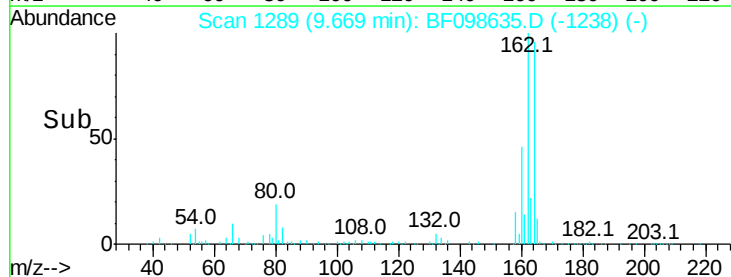
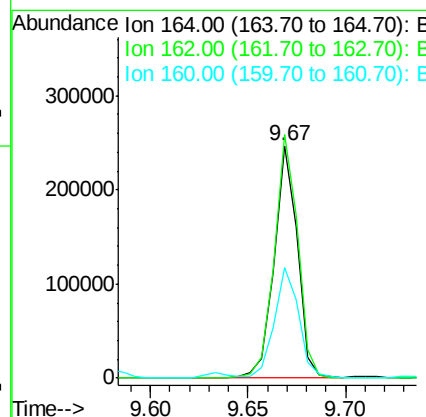
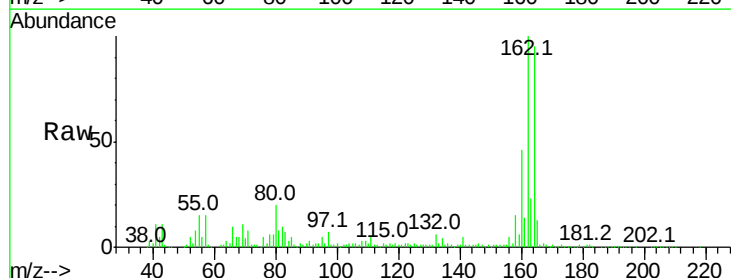
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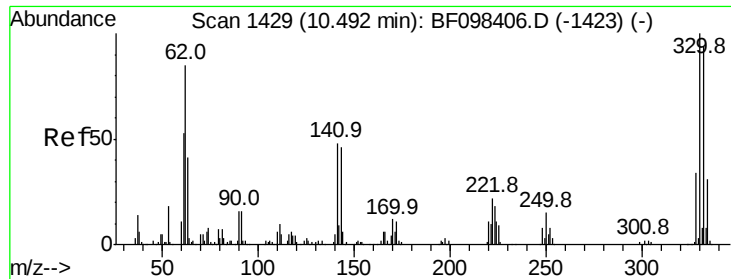
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1289
Delta R.T. 0.00 min
Lab File: BF098635.D
Acq: 19 Sep 2017 7:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	47.9	36.2	54.2





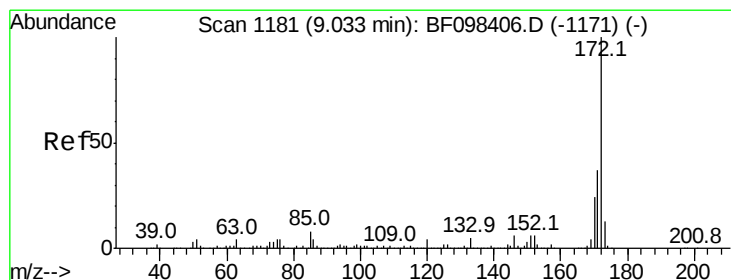
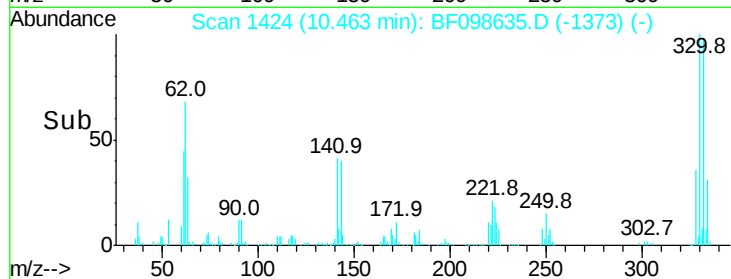
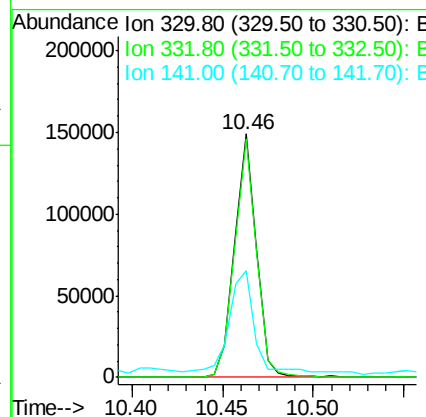
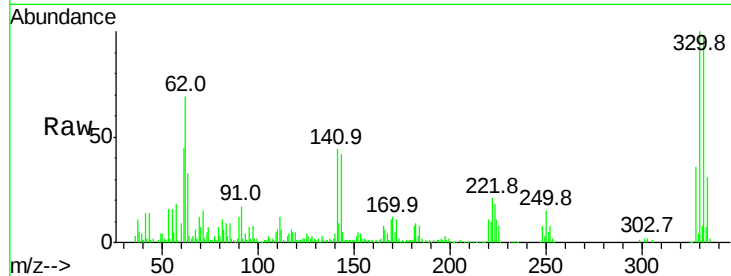
#41
 2,4,6-Tribromophenol
 Concen: 93.751 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.00 min
 Lab File: BF098635.D
 Acq: 19 Sep 2017 7:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-20D24

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.3	76.6	115.0	
141	47.2	31.4	47.2#	

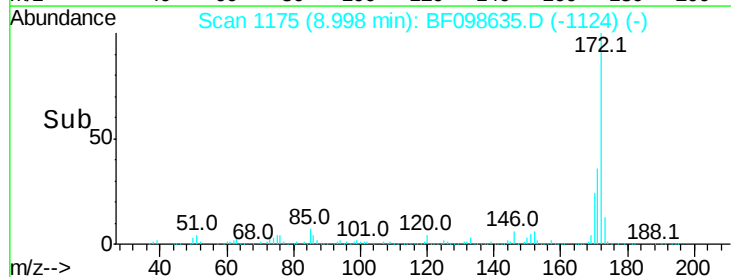
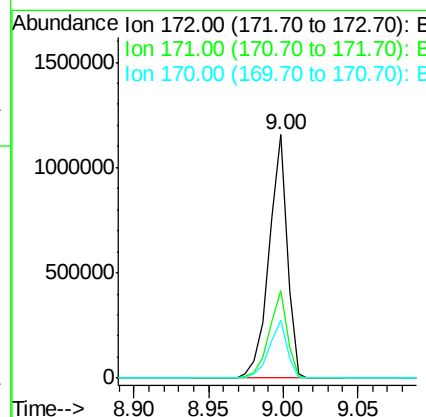
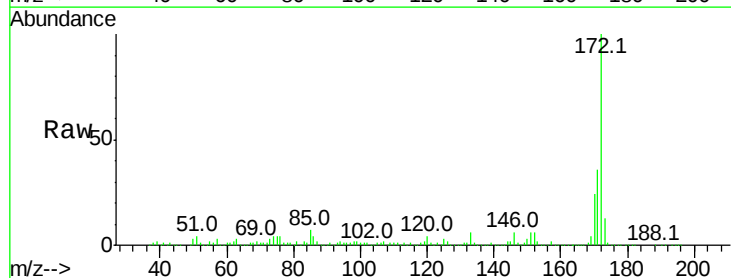
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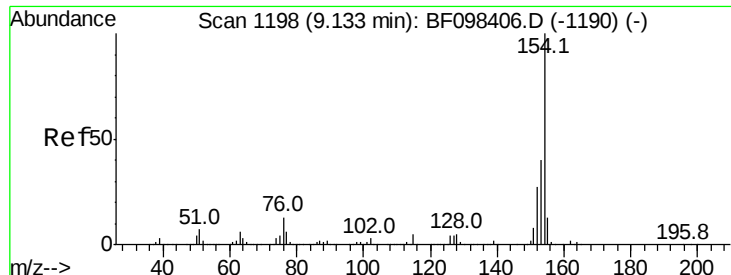
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#44
 2-Fluorobiphenyl
 Concen: 80.414 ng
 RT: 9.00 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: BF098635.D
 Acq: 19 Sep 2017 7:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.6	44.4	
170	23.6	19.8	29.8	





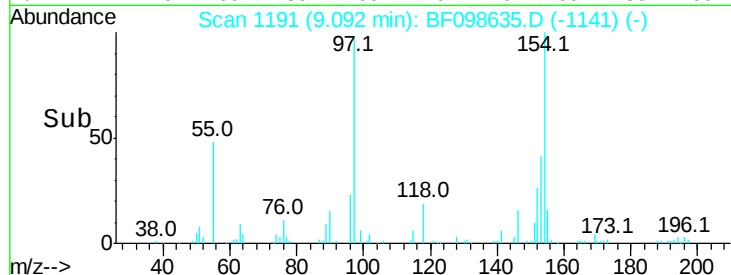
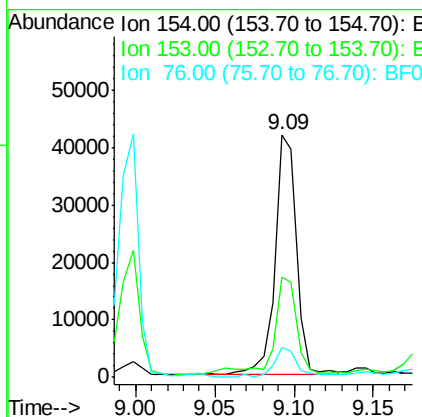
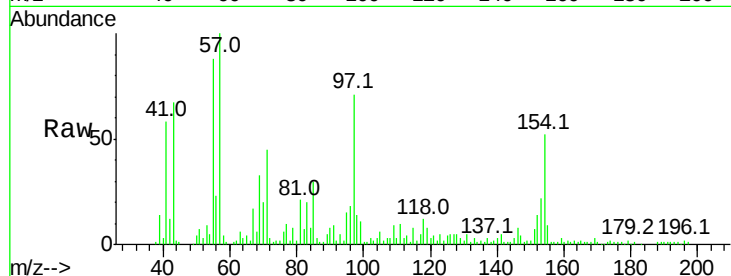
#45
 1,1'-Biphenyl
 Concen: 2.195 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF098635.D
 Acq: 19 Sep 2017 7:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-20D24

Tot Ion	Ratio	Resp	Lower	Upper
154	100			
153	41.4	21.2	61.2	
76	12.3	0.0	29.9	

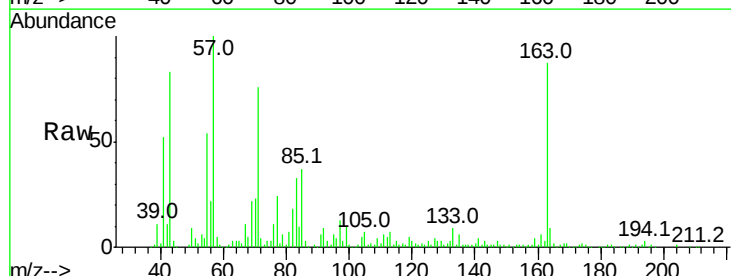
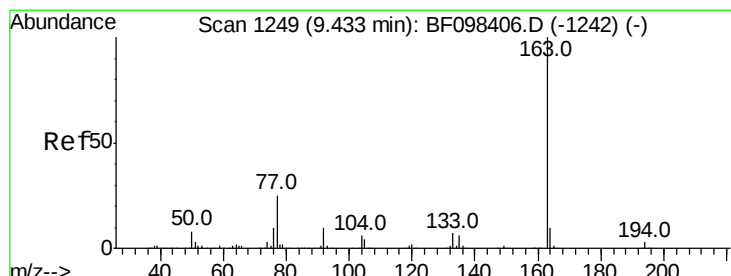
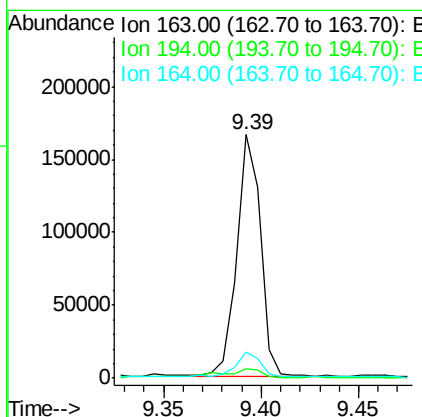
Manual Integrations
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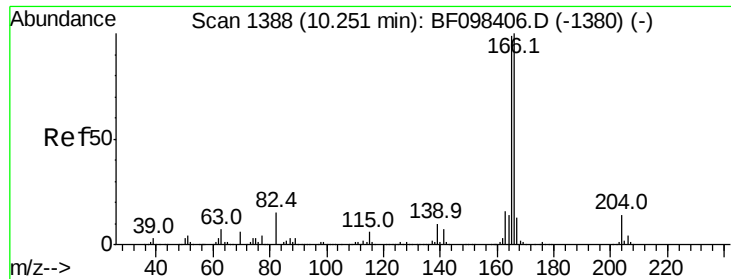
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#49
 Dimethylphthalate
 Concen: 8.863 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF098635.D
 Acq: 19 Sep 2017 7:22

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.6	2.6	4.0	
164	10.5	8.4	12.6	





#57

Fluorene

Concen: 2.597 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA_F

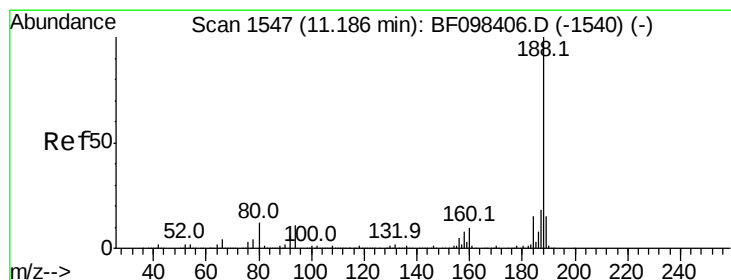
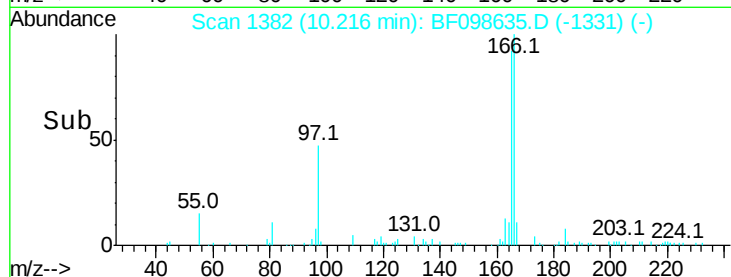
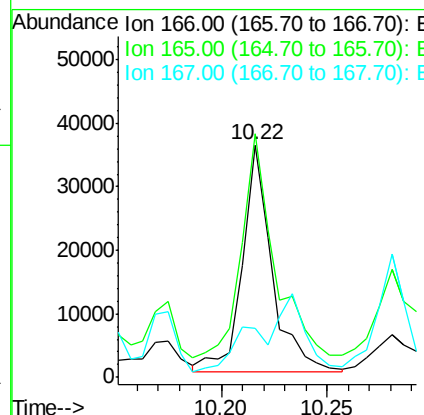
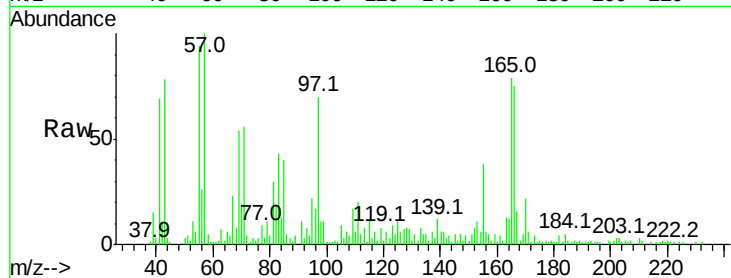
ClientSampled :

TP-20D24

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.8	78.8	118.2
167	21.2	10.6	16.0

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

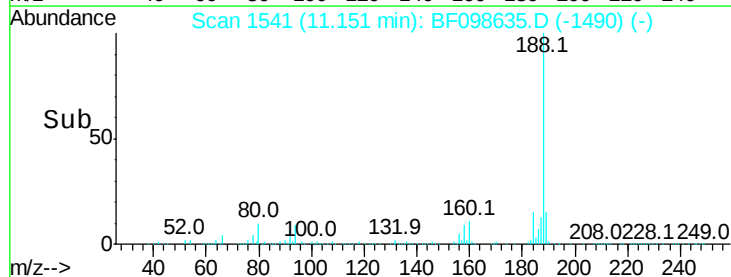
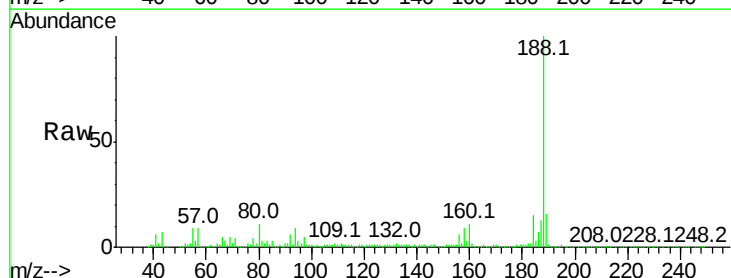
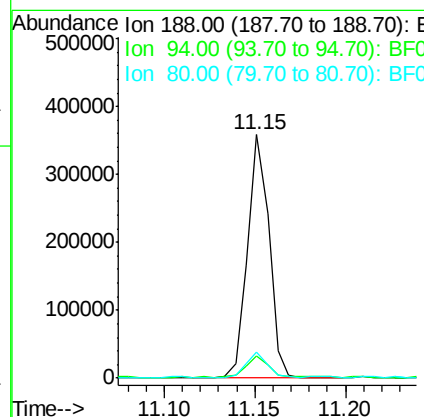
RT: 11.15 min Scan# 1541

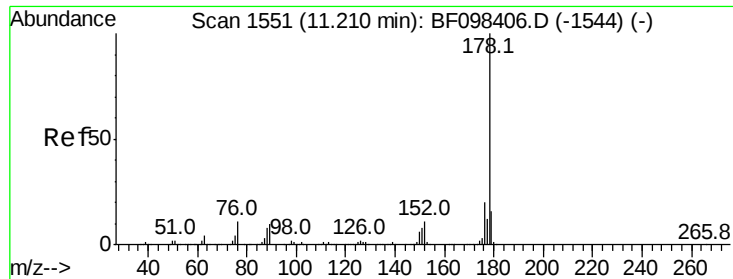
Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.4	14.2
80	10.8	10.2	15.2





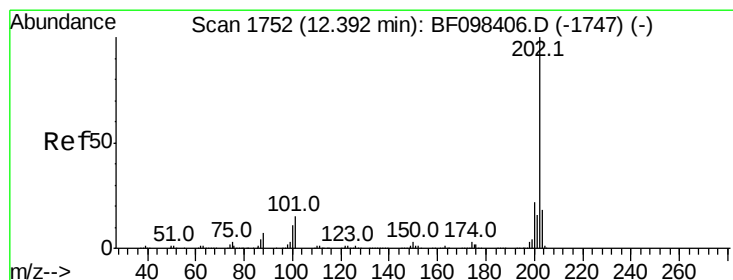
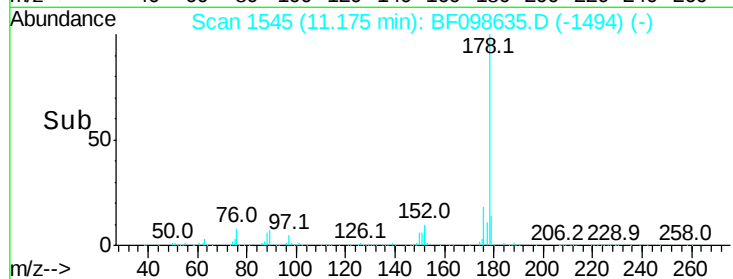
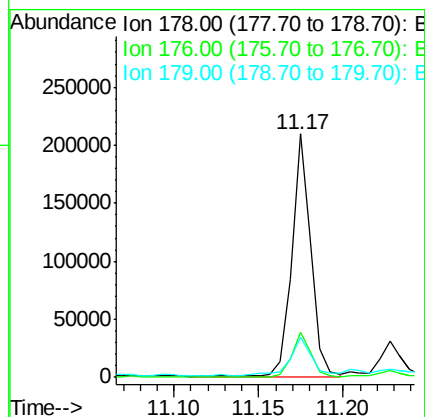
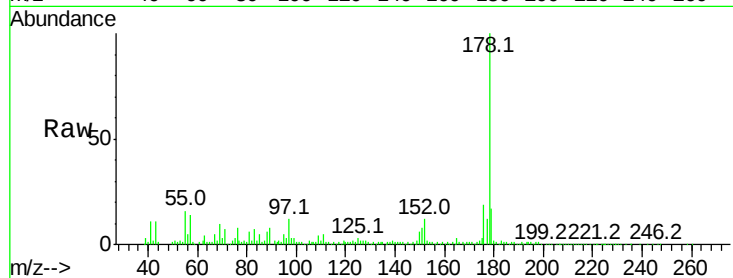
#70
Phenanthrene
Concen: 10.477 ng
RT: 11.17 min Scan# 1545
Delta R.T. 0.00 min
Lab File: BF098635.D
Acq: 19 Sep 2017 7:22

Instrument :
BNA_F
ClientSampled :
TP-20D24

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	16.6	12.6	19.0

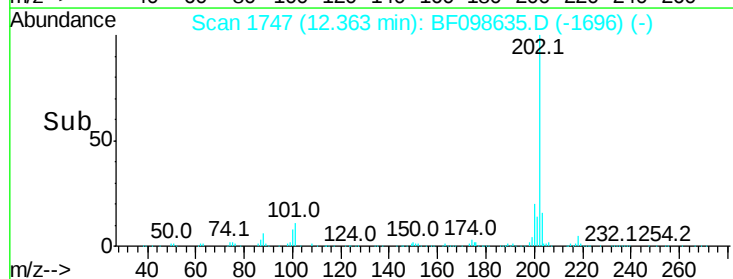
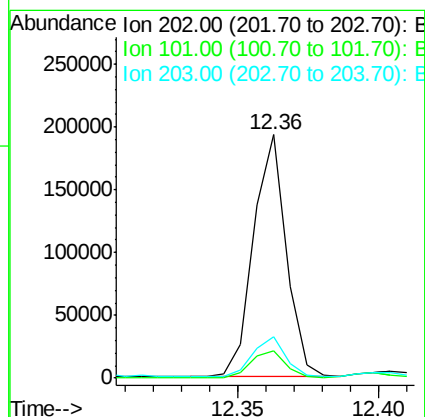
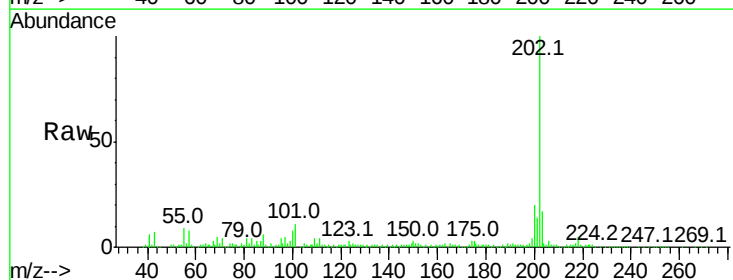
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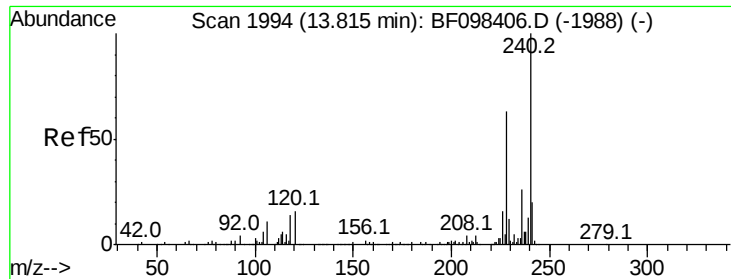
Sohil
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#74
Fluoranthene
Concen: 9.902 ng
RT: 12.36 min Scan# 1747
Delta R.T. 0.00 min
Lab File: BF098635.D
Acq: 19 Sep 2017 7:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	33.2
203	16.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1989

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA_F

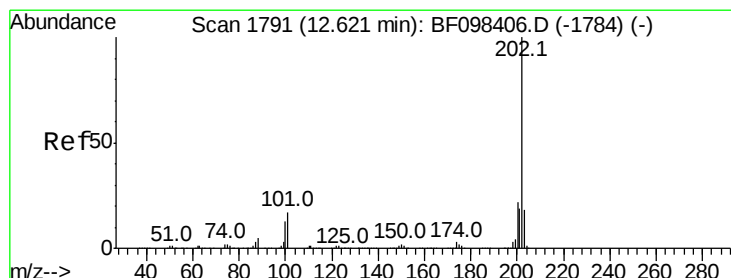
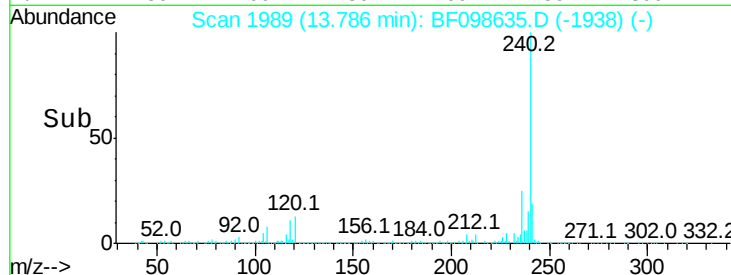
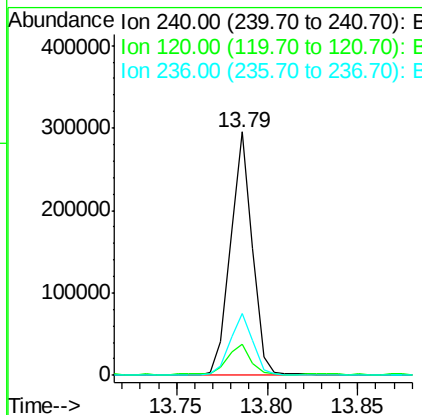
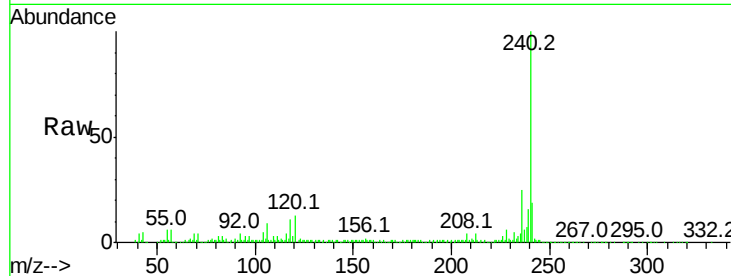
ClientSampleId :

TP-20D24

Tot Ion	Ratio	Resp	Lower	Upper
240	100	247731		
120	13.0	5.8	8.8#	
236	25.2	20.5	30.7	

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#77

Pyrene

Concen: 6.823 ng

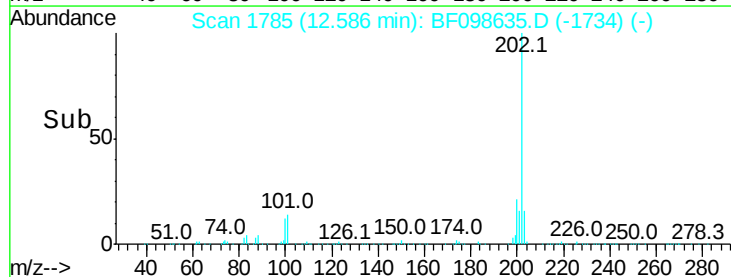
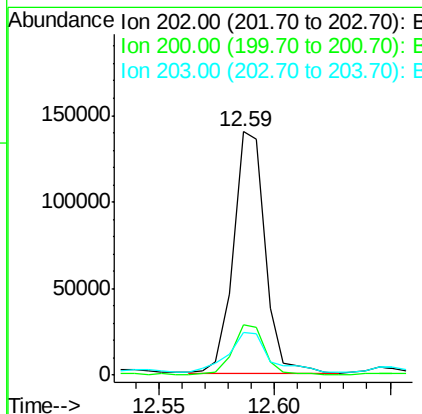
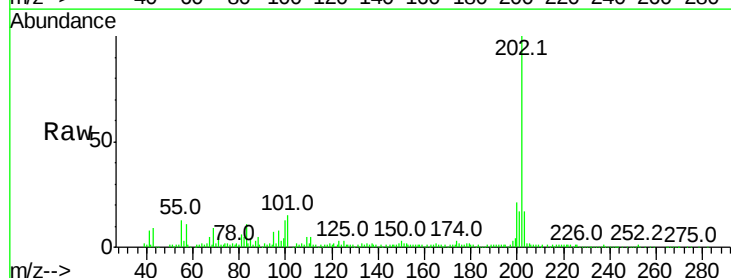
RT: 12.59 min Scan# 1785

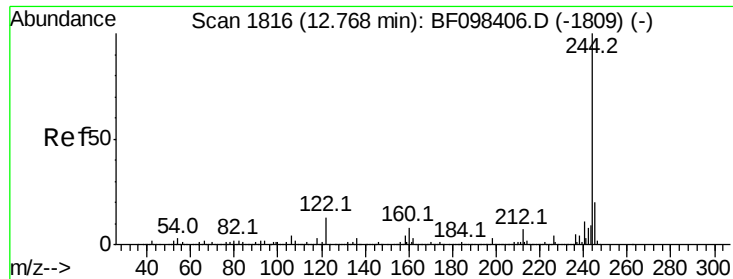
Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	133344		
200	20.9	17.6	26.4	
203	17.4	14.4	21.6	





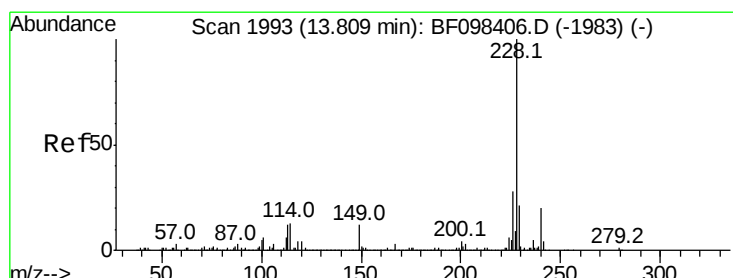
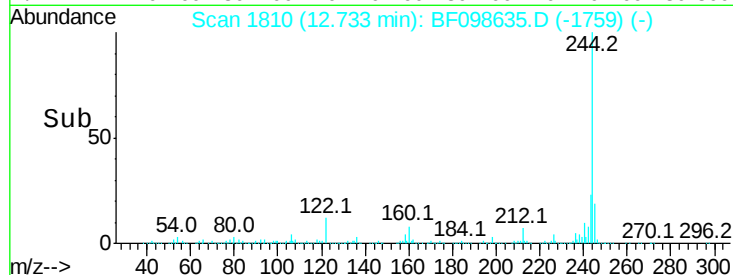
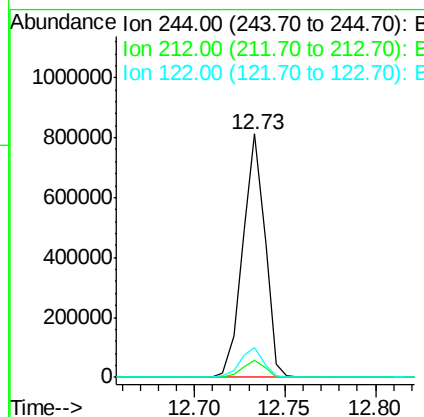
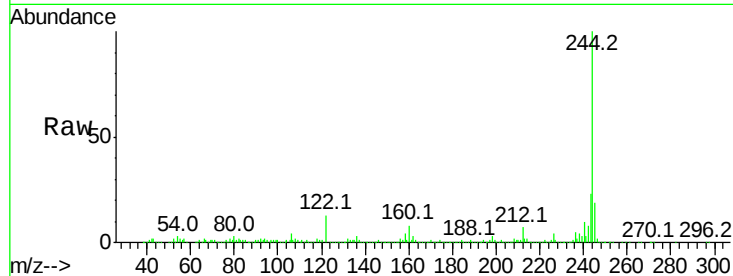
#78
 Terphenyl-d14
 Concen: 60.135 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: BF098635.D
 Acq: 19 Sep 2017 7:22

Instrument :
 BNA_F
 ClientSampled :
 TP-20D24

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	6.0	9.0	
122	12.5	10.3	15.5	

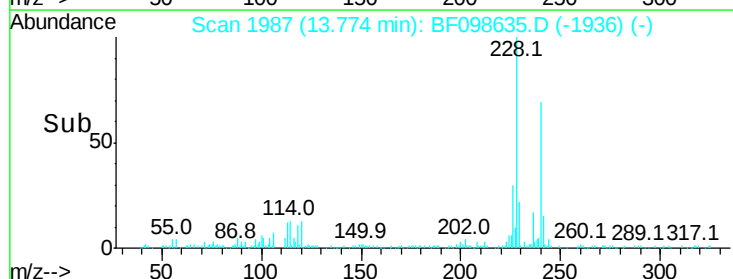
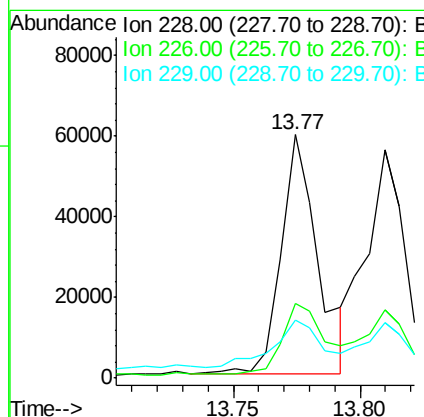
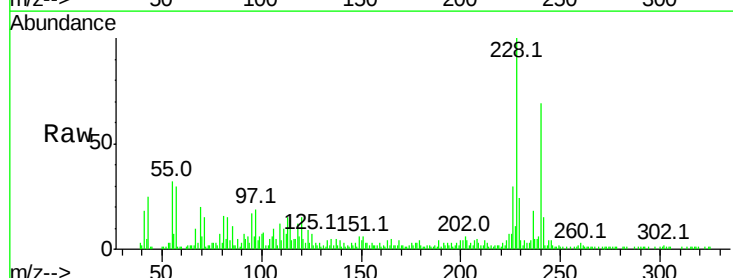
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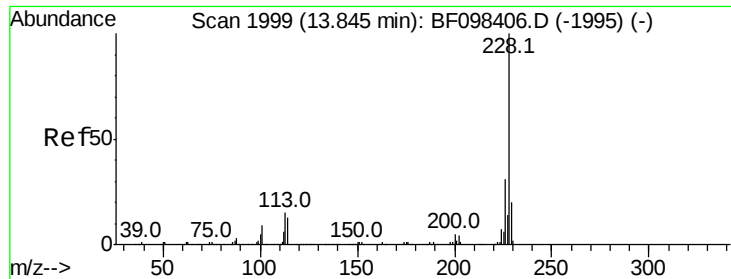
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#80
 Benzo(a)anthracene
 Concen: 4.101 ng
 RT: 13.77 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: BF098635.D
 Acq: 19 Sep 2017 7:22

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.5	22.6	33.8	
229	23.9	16.3	24.5	





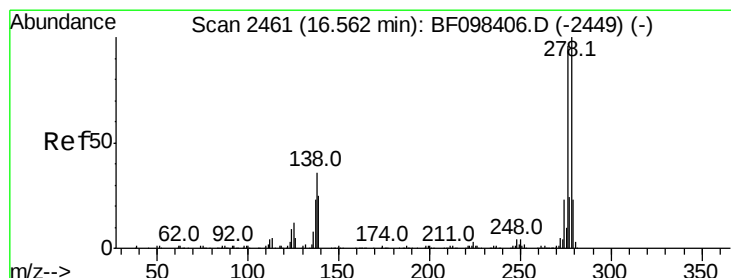
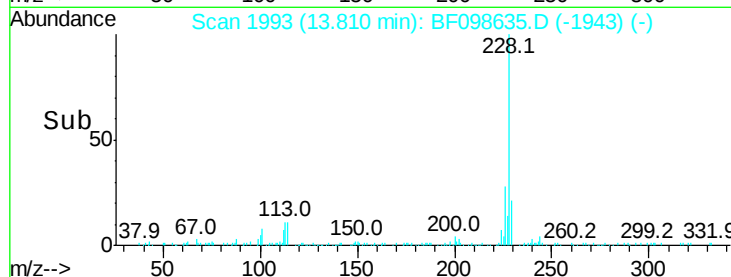
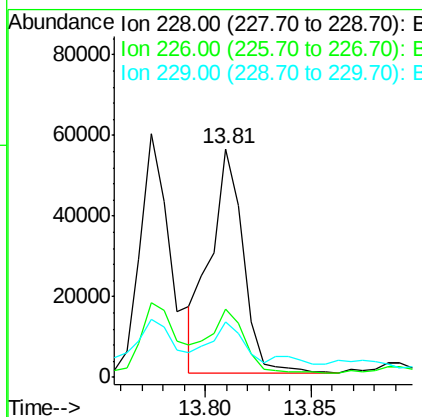
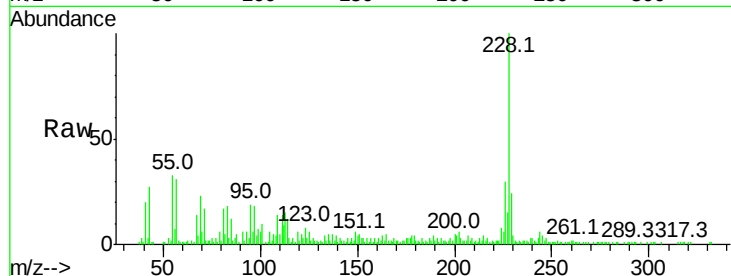
#82
Chrysene
Concen: 4.090 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF098635.D
Acq: 19 Sep 2017 7:22

Instrument :
BNA_F
ClientSampled :
TP-20D24

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	24.2	15.8	23.6

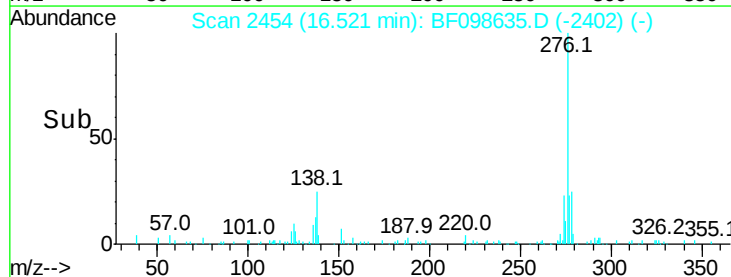
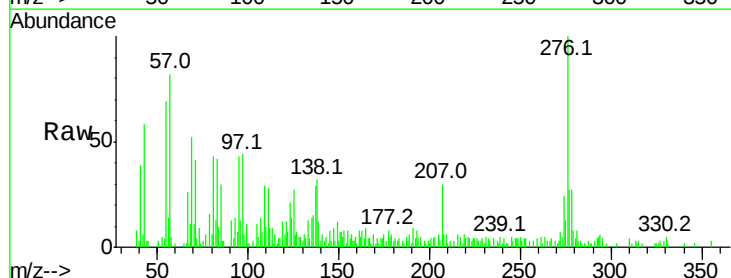
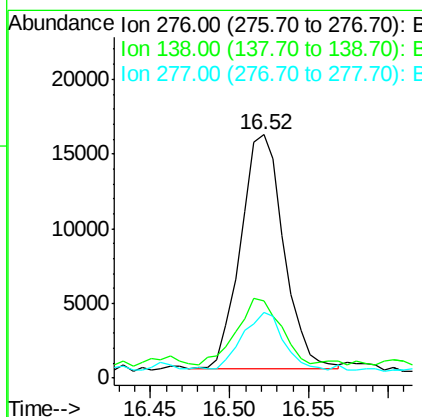
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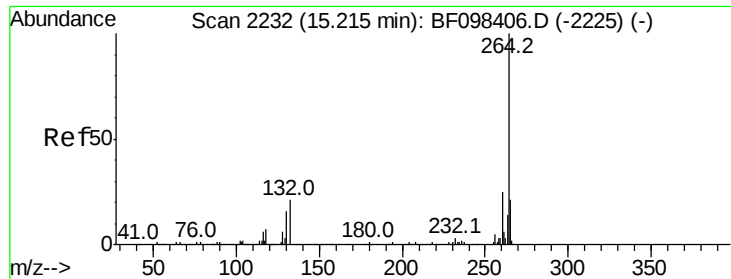
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.875 ng
RT: 16.52 min Scan# 2454
Delta R.T. 0.01 min
Lab File: BF098635.D
Acq: 19 Sep 2017 7:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	27.8	41.6
277	23.3	20.2	30.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.01 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA_F

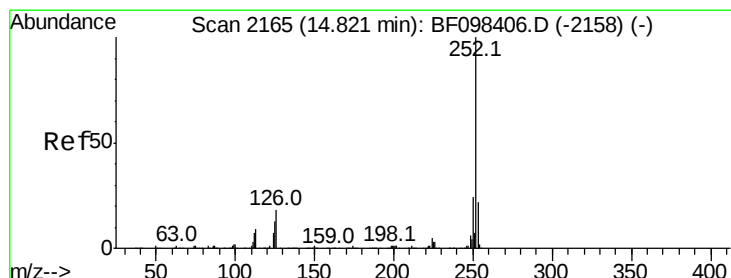
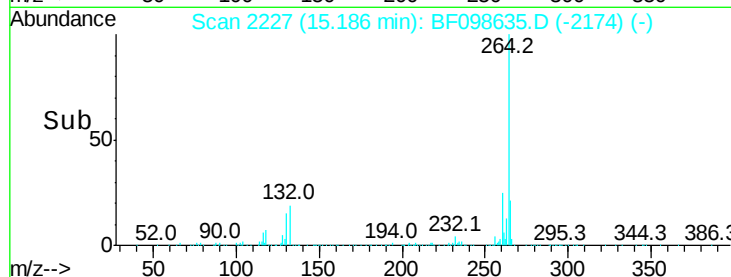
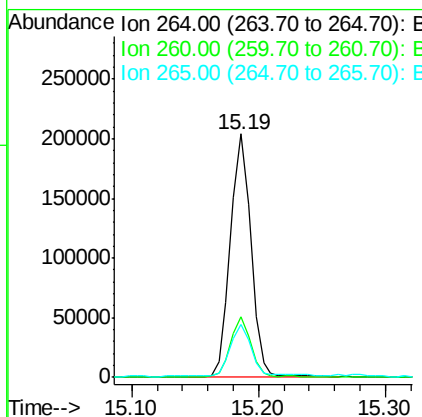
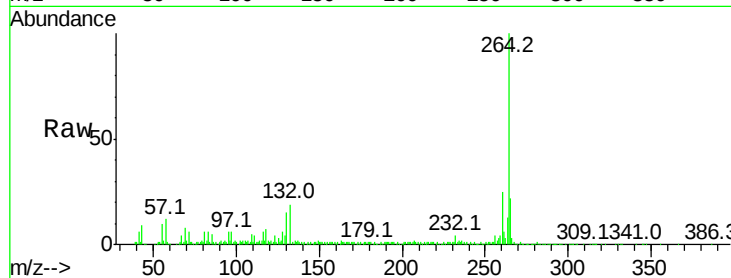
ClientSampled :

TP-20D24

Tot Ion:	264	Resp:	228857
Ion Ratio		Lower	Upper
264	100		
260	24.9	19.5	29.3
265	21.5	17.2	25.8

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#87

Benzo(b)fluoranthene

Concen: 5.689 ng m

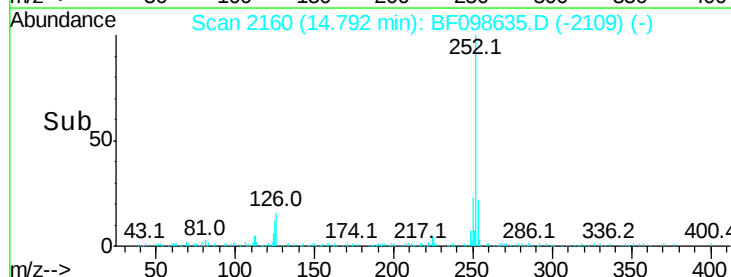
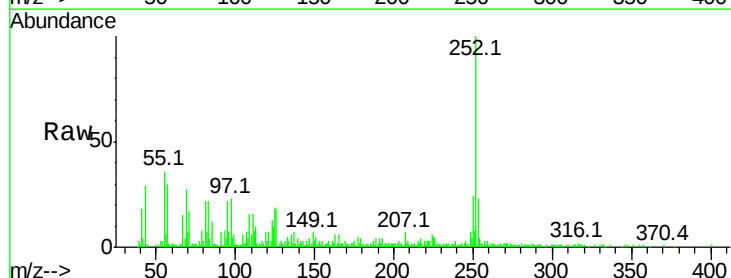
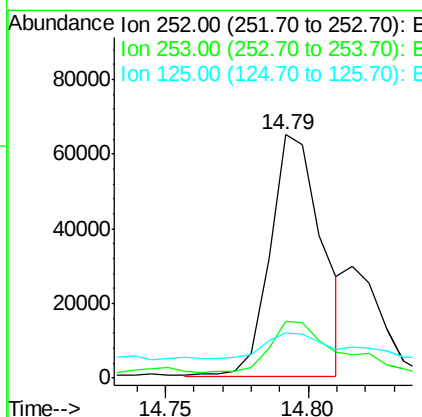
RT: 14.79 min Scan# 2160

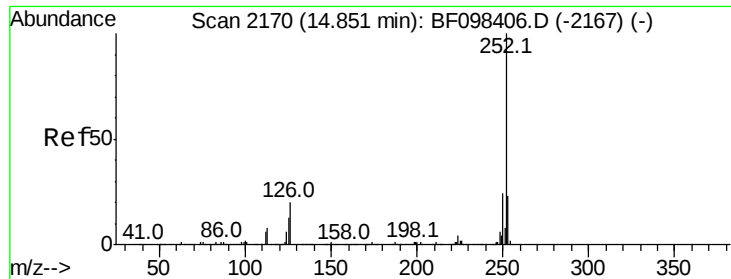
Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Tgt Ion:	252	Resp:	81866
Ion Ratio		Lower	Upper
252	100		
253	23.1	18.1	27.1
125	18.8	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.043 ng

RT: 14.82 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA_F

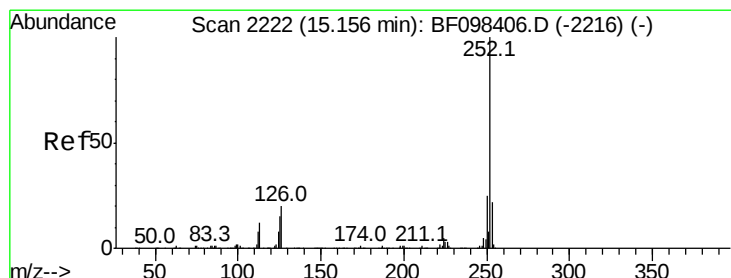
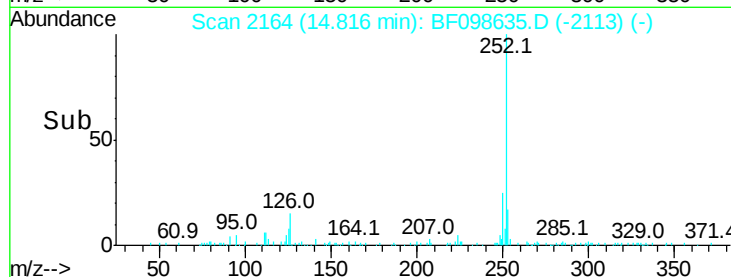
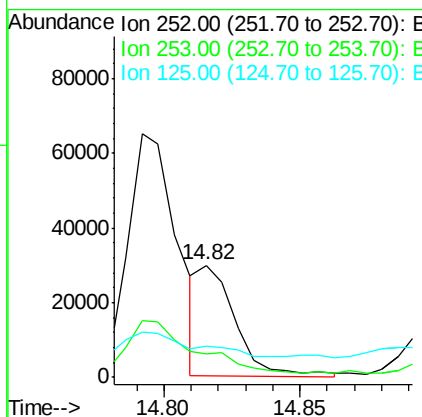
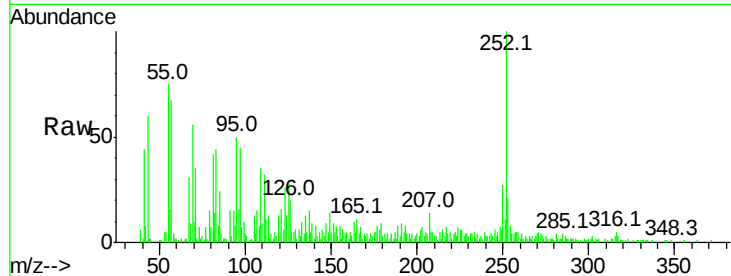
ClientSampled :

TP-20D24

Tot Ion:	252	Resp:	27439
Ion Ratio	Lower	Upper	
252	100		
253	21.5	18.4	27.6
125	27.7	13.1	19.7#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.311 ng

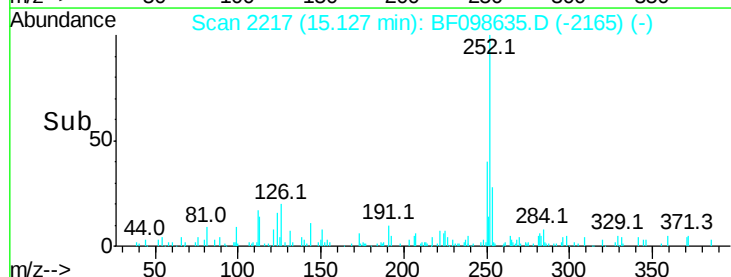
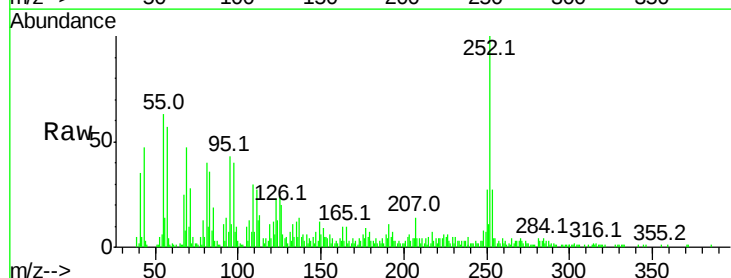
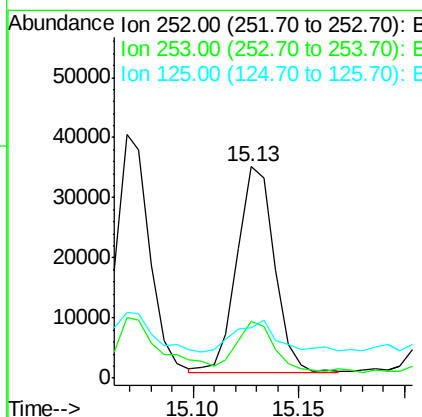
RT: 15.13 min Scan# 2217

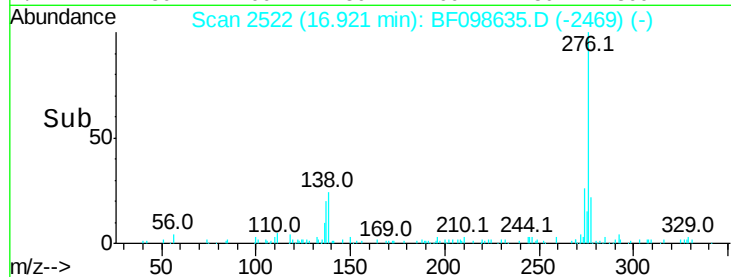
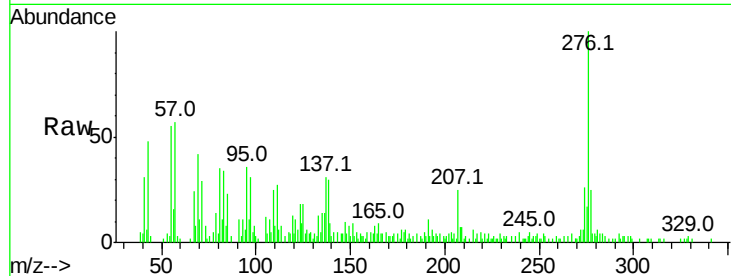
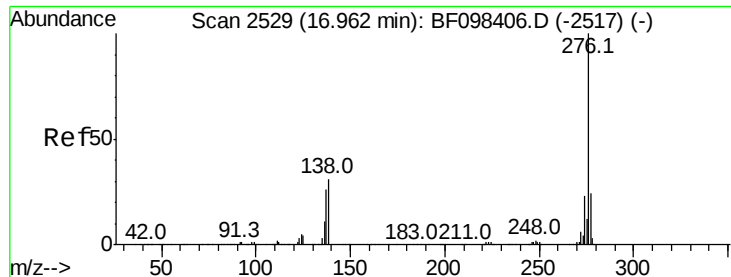
Delta R.T. 0.01 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Tgt Ion:	252	Resp:	42449
Ion Ratio	Lower	Upper	
252	100		
253	26.8	17.5	26.3#
125	23.7	11.0	16.4#





#91

Benzo(a,h,i)perylene

Concen: 3.583 ng

RT: 16.92 min Scan# 2522

Delta R.T. 0.01 min

Lab File: BF098635.D

Acq: 19 Sep 2017 7:22

Instrument :

BNA_F

ClientSampleId :

TP-20D24

Tot Ion:	276	Resp:	33612
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	28.0
138	30.2	25.4	38.0

Manual Integrations
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