

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098634.D
 Acq On : 19 Sep 2017 6:54
 Operator : SJ/JU
 Sample : I5265-10 20X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8D46

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Quant Time: Sep 19 07:55:11 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	102083	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	446749	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	212439	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	320069	20.00	ng	0.00
75) Chrysene-d12	13.79	240	217813	20.00	ng	0.00
86) Perylene-d12	15.18	264	221327	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	30184	4.37	ng	0.01
7) Phenol-d6	6.30	99	46725	5.33	ng	0.00
23) Nitrobenzene-d5	7.21	82	27335	3.41	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	4965	3.50	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	44366	3.54	ng	0.00
78) Terphenyl-d14	12.73	244	31239	3.10	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) Acenaphthene	9.70	154	130888	10.198	ng	96
54) Dibenzofuran	9.87	168	91921	5.436	ng	99
57) Fluorene	10.22	166	229059	16.367	ng	100
70) Phenanthrene	11.18	178	1311914	77.318	ng	99
71) Anthracene	11.23	178	350890	20.142	ng	99
72) Carbazole	11.39	167	110753	6.822	ng	97
74) Fluoranthene	12.36	202	1307347	76.966	ng	100
77) Pyrene	12.59	202	925273	53.850	ng	98
80) Benzo(a)anthracene	13.78	228	591262	46.301	ng	99
82) Chrysene	13.82	228	571966	44.310	ng	97
85) Indeno(1,2,3-cd)pyrene	16.52	276	175035	19.327	ng	92
87) Benzo(b)fluoranthene	14.80	252	613227m	44.065	ng	
88) Benzo(k)fluoranthene	14.82	252	188798m	14.532	ng	
89) Benzo(a)pyrene	15.13	252	352433	28.426	ng	98
90) Dibenzo(a,h)anthracene	16.52	278	63124	6.999	ng	97
91) Benzo(g,h,i)perylene	16.92	276	141495	15.598	ng	# 93

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

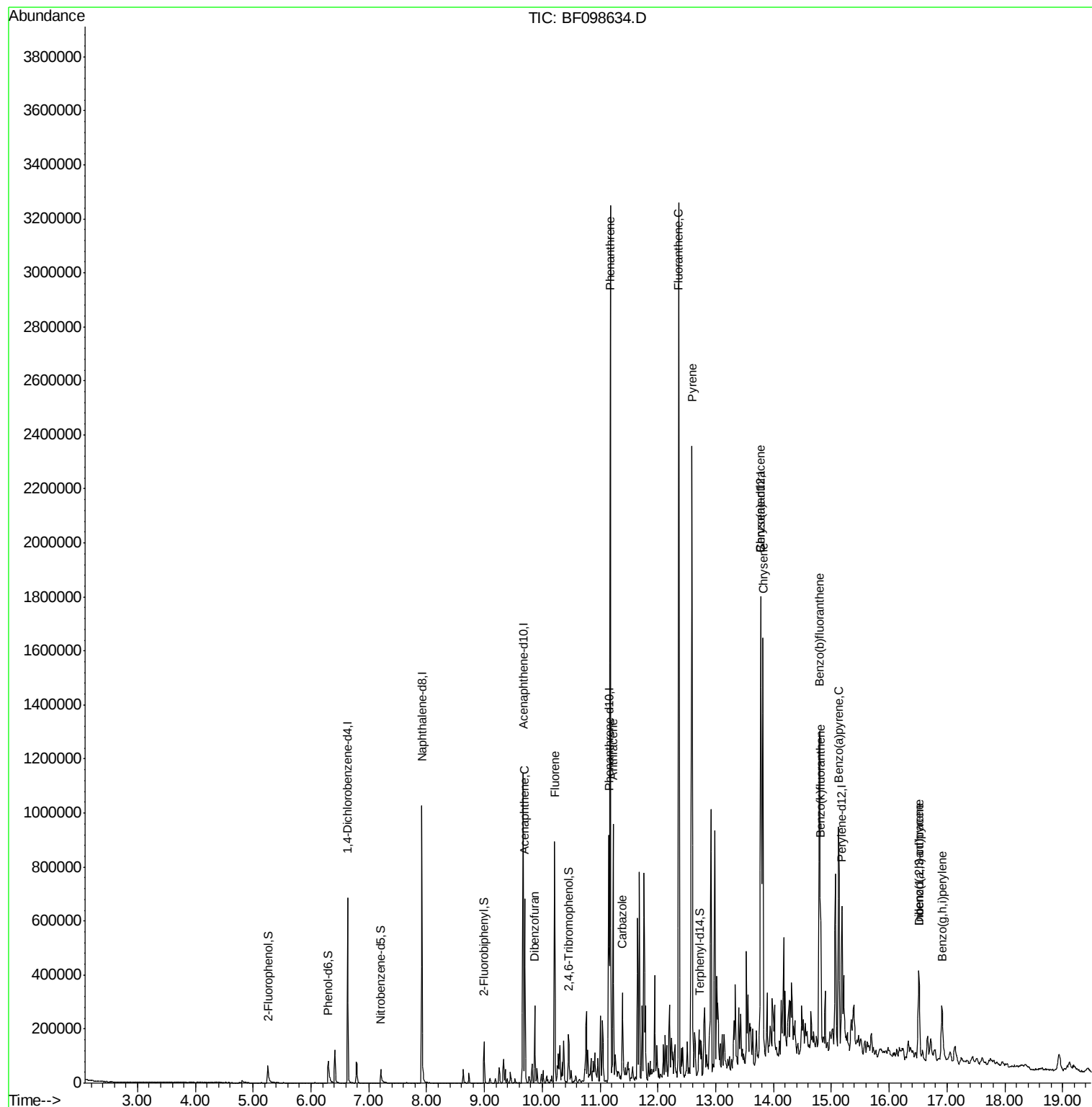
Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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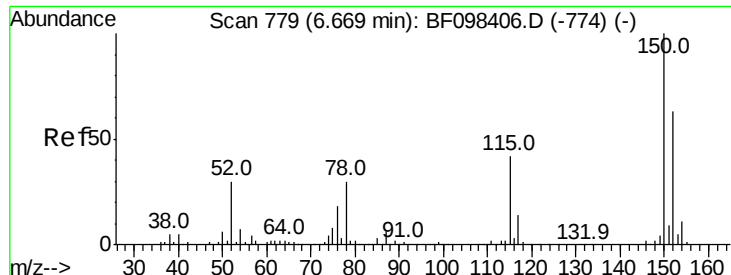
Instrument :
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Quant Time: Sep 19 07:55:11 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

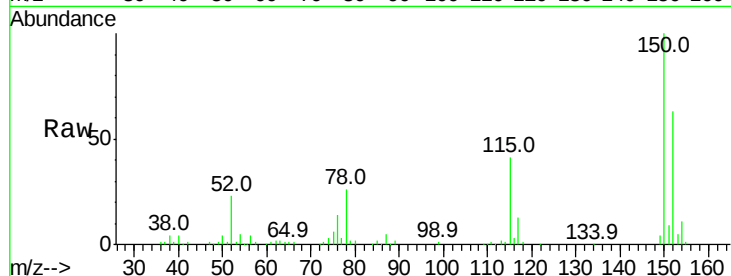
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF098634.D
Acq: 19 Sep 2017 6:54

Instrument :
BNA_F
ClientSampleId :
TP-8D46

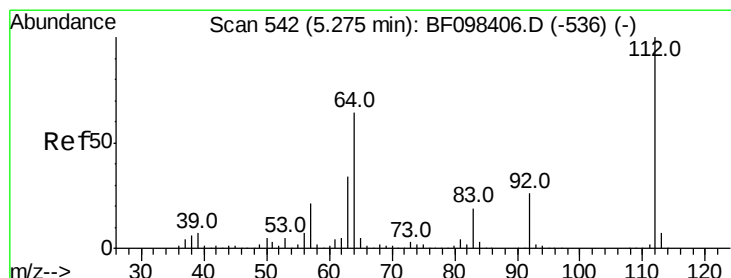
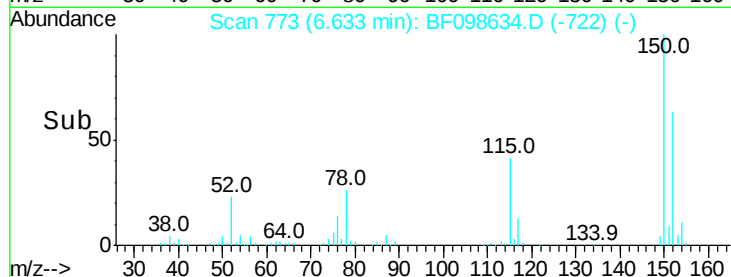
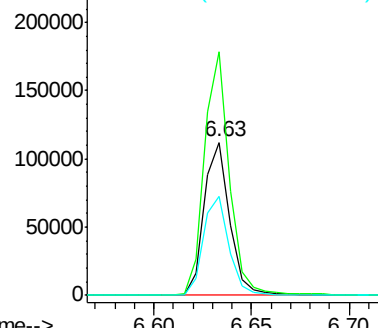
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.2	189.2
115	65.0	52.2	78.2

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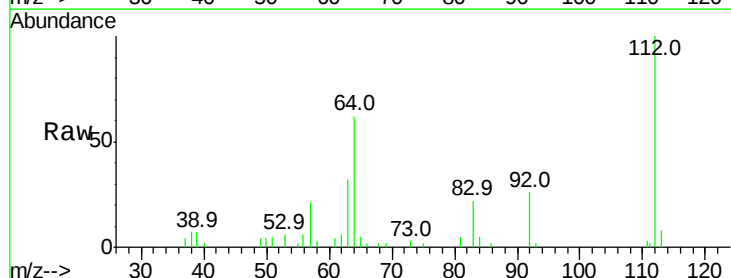
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



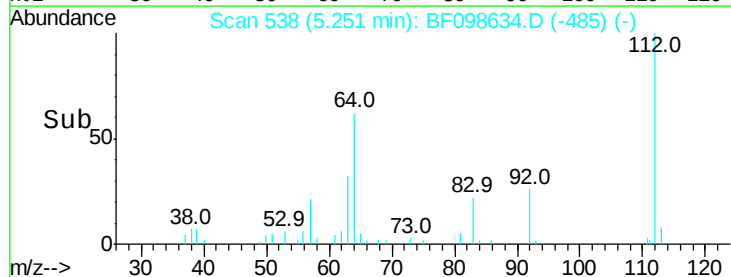
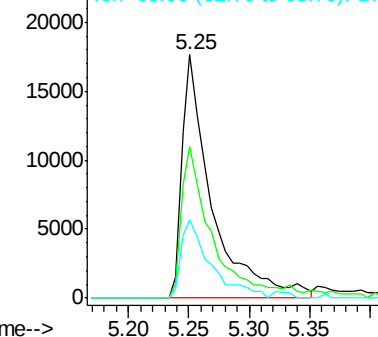
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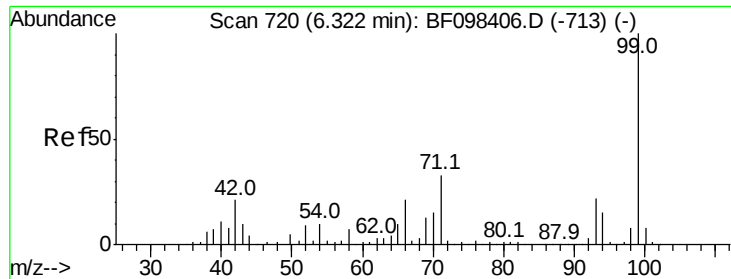
2-Fluorophenol
Concen: 4.372 ng
RT: 5.25 min Scan# 538
Delta R.T. 0.01 min
Lab File: BF098634.D
Acq: 19 Sep 2017 6:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	46.0	69.0
63	32.3	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 5.330 ng

RT: 6.30 min Scan# 716

Delta R.T. 0.01 min

Lab File: BF098634.D

Acq: 19 Sep 2017 6:54

Instrument :

BNA_F

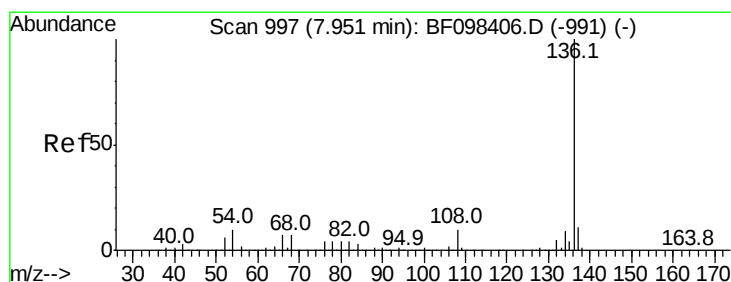
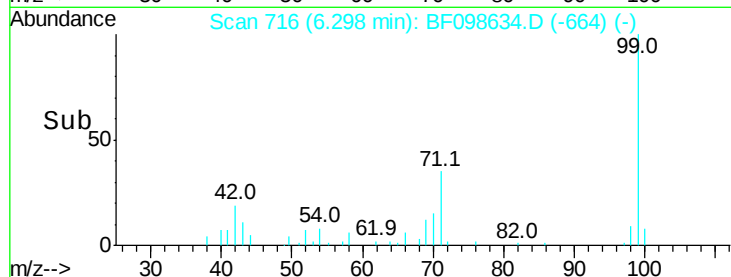
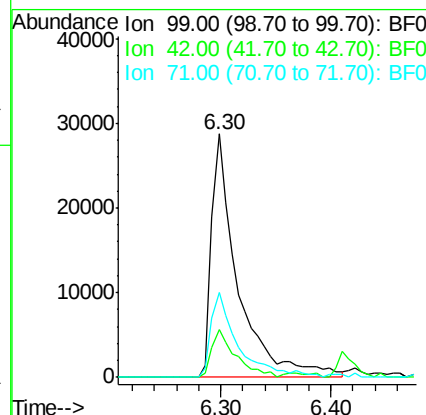
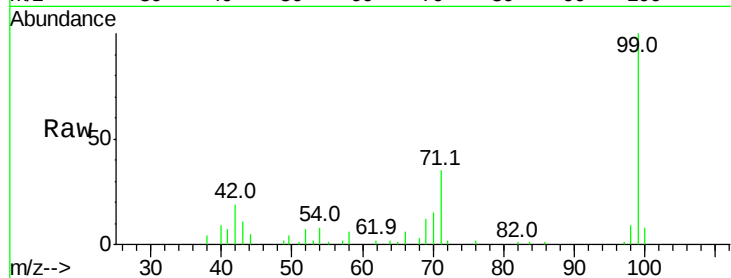
ClientSampleId :

TP-8D46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		46725		
42	19.4	13.5	20.3		
71	34.8	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

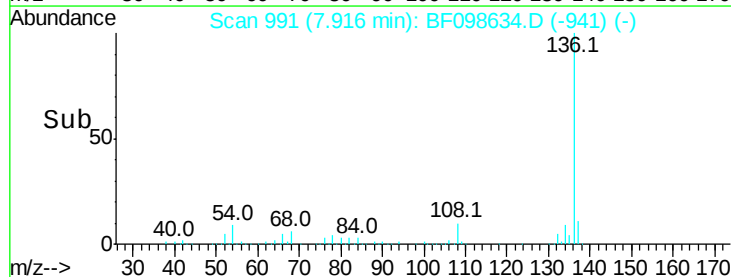
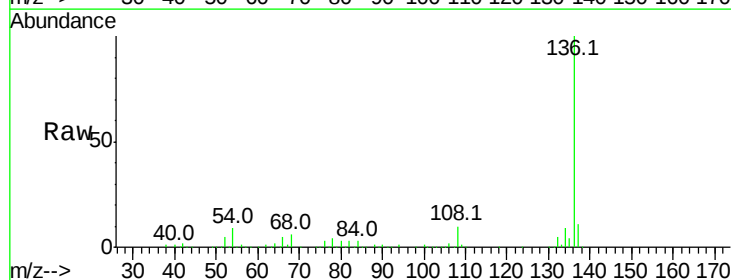
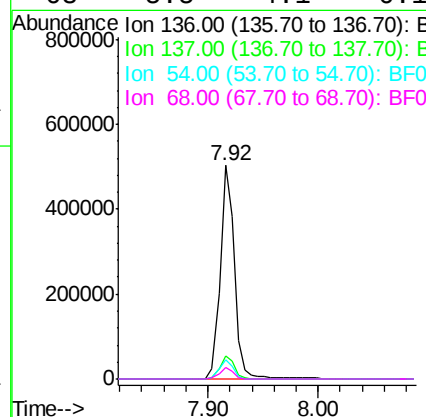
RT: 7.92 min Scan# 991

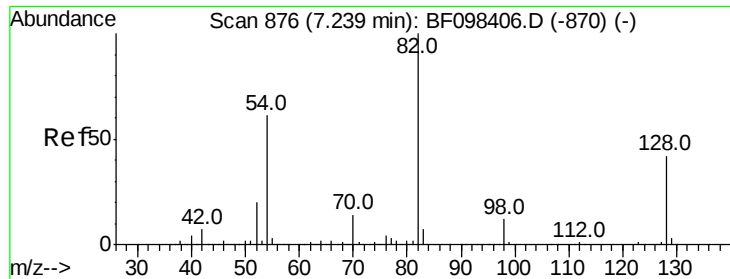
Delta R.T. -0.01 min

Lab File: BF098634.D

Acq: 19 Sep 2017 6:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		446749		
137	11.1	8.5	12.7		
54	9.1	4.9	7.3#		
68	5.5	4.1	6.1		





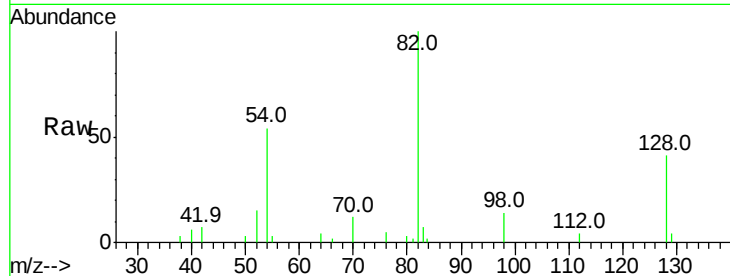
#23
Nitrobenzene-d5
Concen: 3.411 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF098634.D
Acq: 19 Sep 2017 6:54

Instrument :
BNA_F
ClientSampled :
TP-8D46

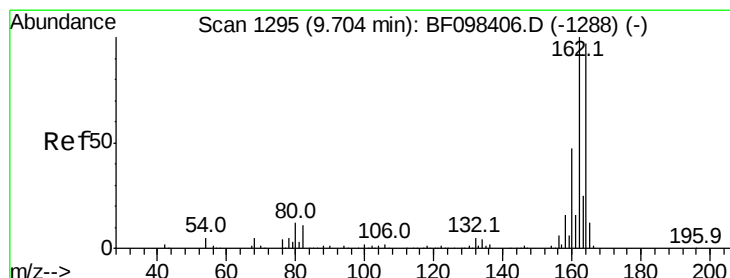
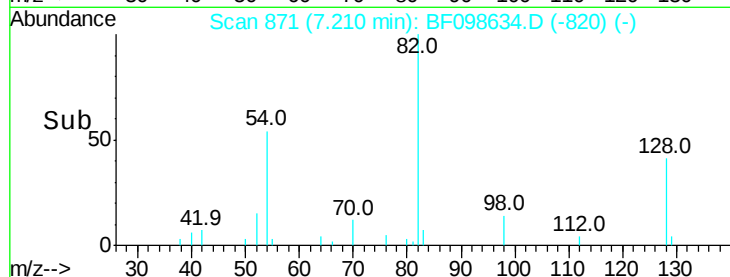
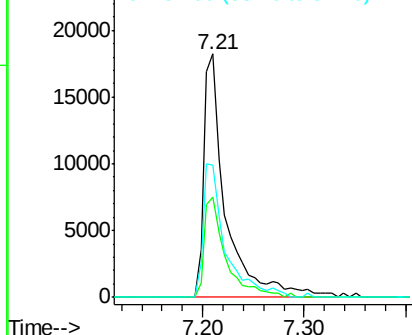
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	34.0	51.0
54	54.2	42.2	63.2

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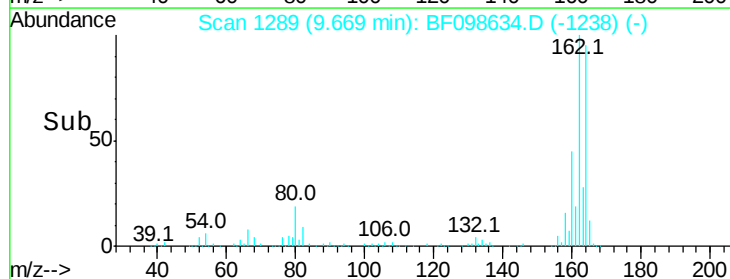
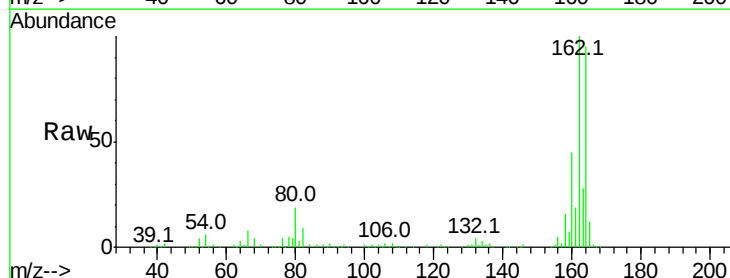
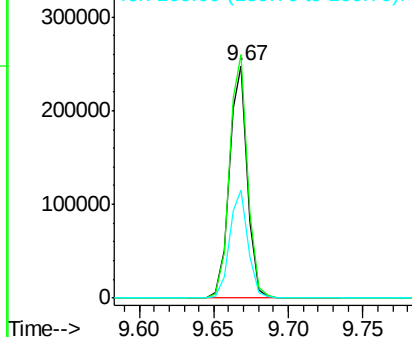
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

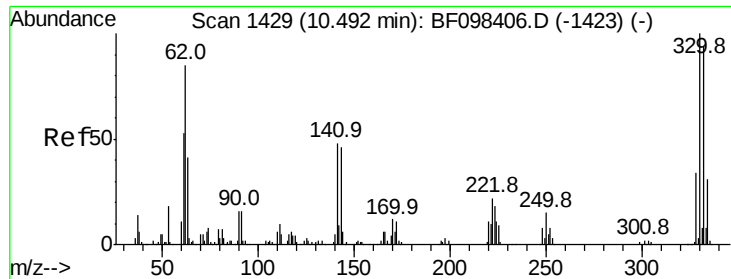


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BF098634.D
Acq: 19 Sep 2017 6:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	82.6	123.8
160	46.7	36.2	54.2

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





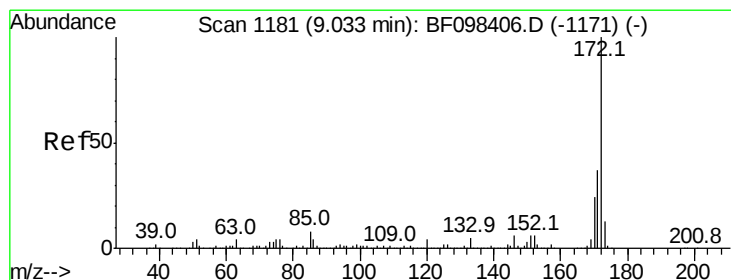
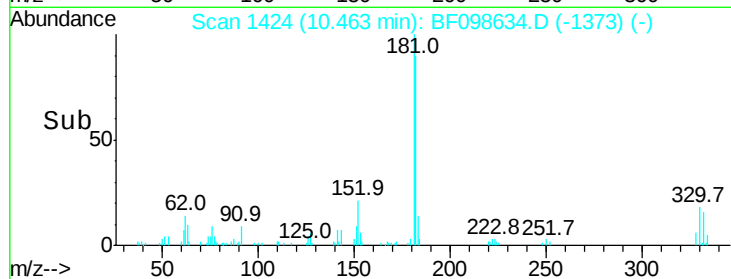
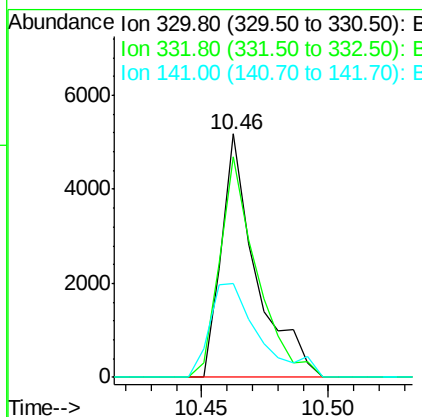
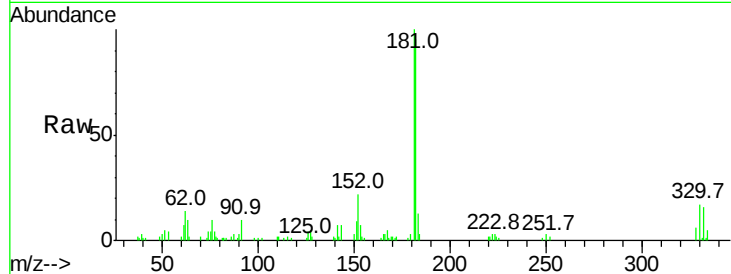
#41
 2,4,6-Tribromophenol
 Concen: 3.502 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.00 min
 Lab File: BF098634.D
 Acq: 19 Sep 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-8D46

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	54.8	31.4	47.2

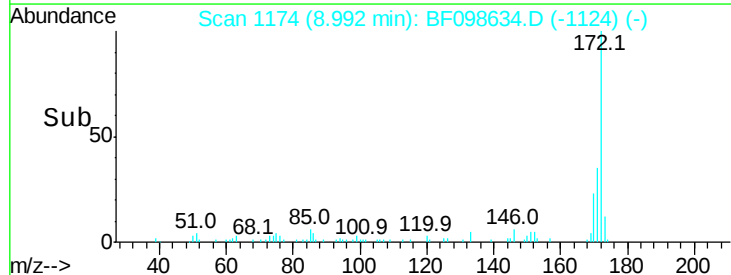
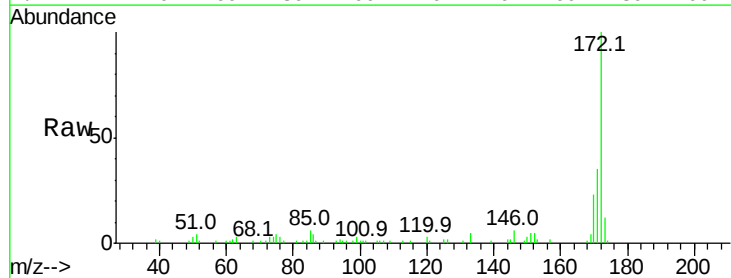
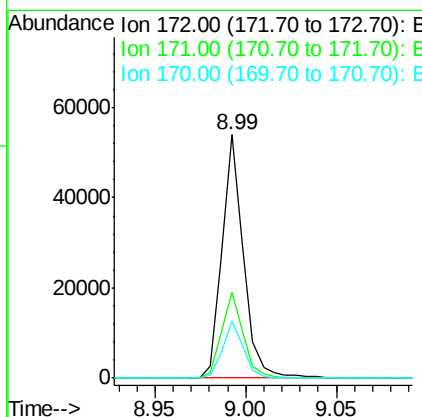
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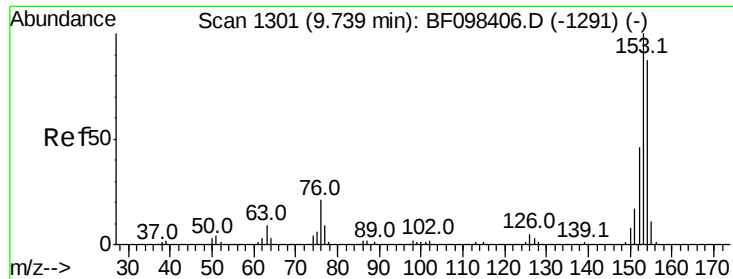
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#44
 2-Fluorobiphenyl
 Concen: 3.540 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BF098634.D
 Acq: 19 Sep 2017 6:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	23.1	19.8	29.8





#51

Acenaphthene

Concen: 10.198 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF098634.D

Acq: 19 Sep 2017 6:54

Instrument :

BNA_F

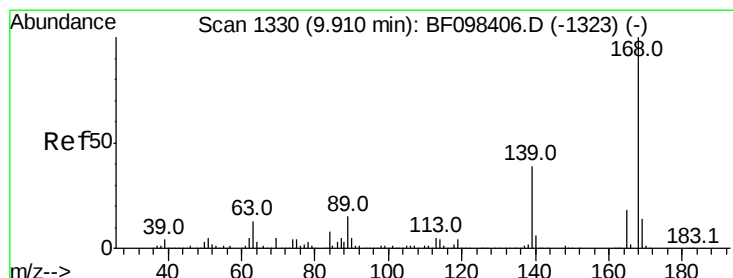
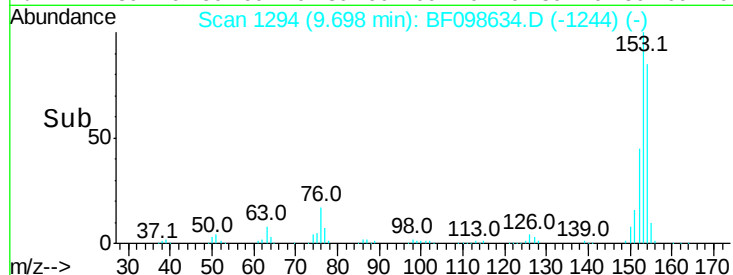
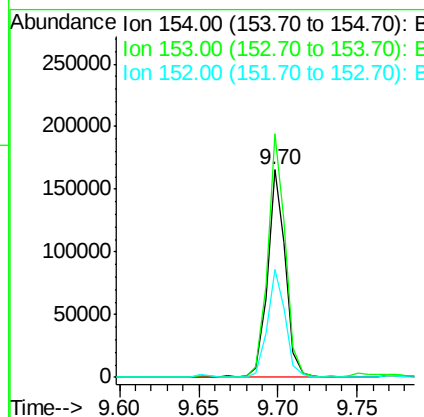
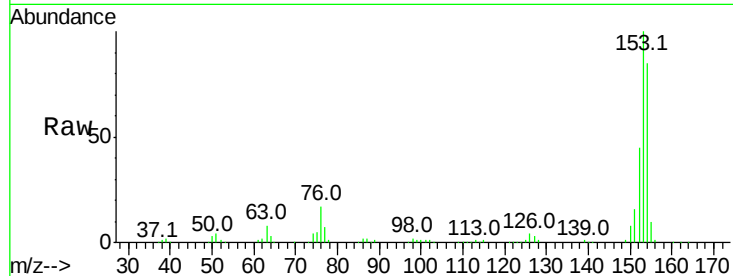
ClientSampled :

TP-8D46

Tot Ion:	154	Resp:	130888
Ion Ratio	Lower	Upper	
154	100		
153	117.5	90.5	135.7
152	52.3	43.6	65.4

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#54

Dibenzofuran

Concen: 5.436 ng

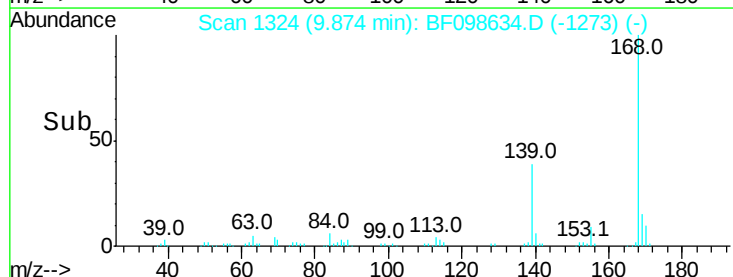
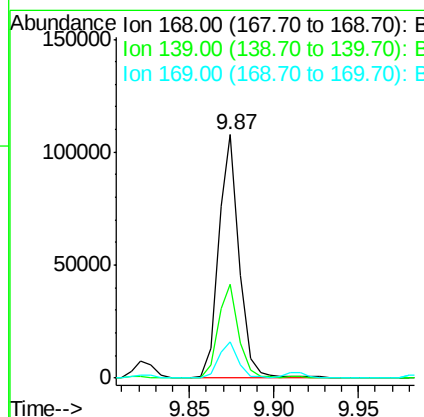
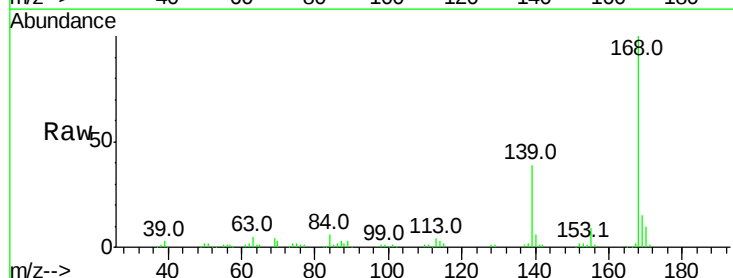
RT: 9.87 min Scan# 1324

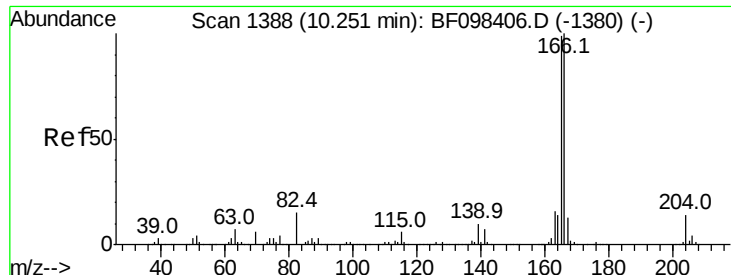
Delta R.T. -0.00 min

Lab File: BF098634.D

Acq: 19 Sep 2017 6:54

Tgt Ion:	168	Resp:	91921
Ion Ratio	Lower	Upper	
168	100		
139	38.6	30.6	45.8
169	14.9	10.8	16.2





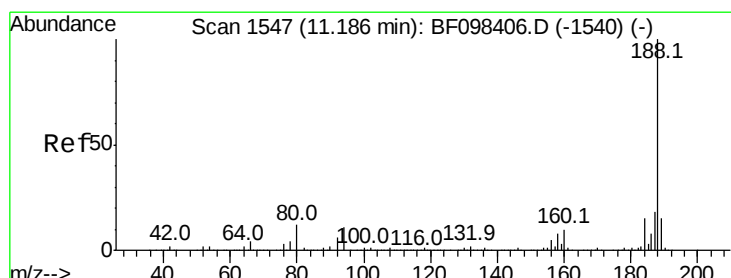
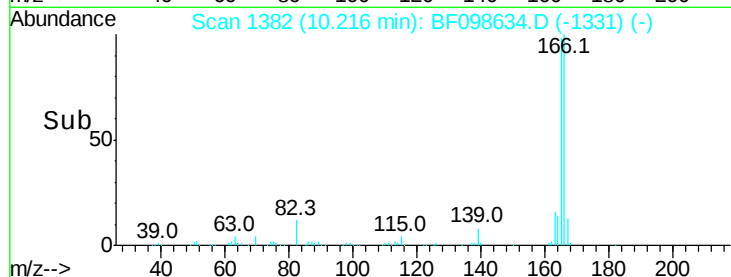
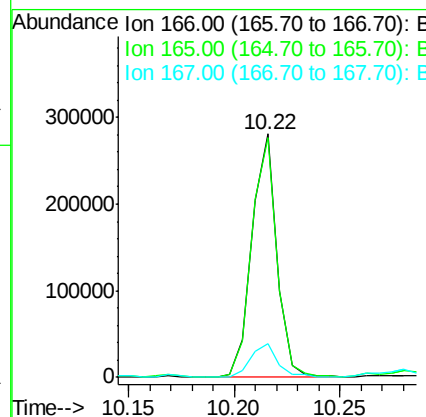
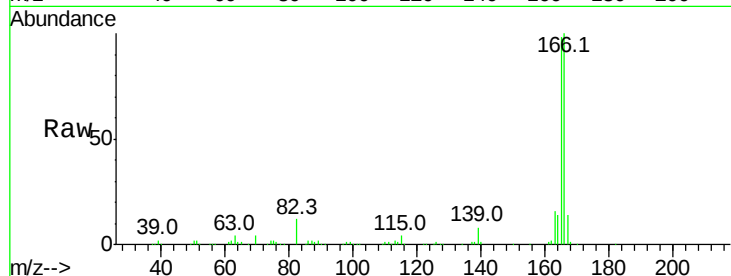
#57
Fluorene
 Concen: 16.367 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: BF098634.D
 Acq: 19 Sep 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-8D46

Tot Ion	Ratio	Resp	Lower	Upper
166	100	229059		
165	98.4		78.8	118.2
167	13.6		10.6	16.0

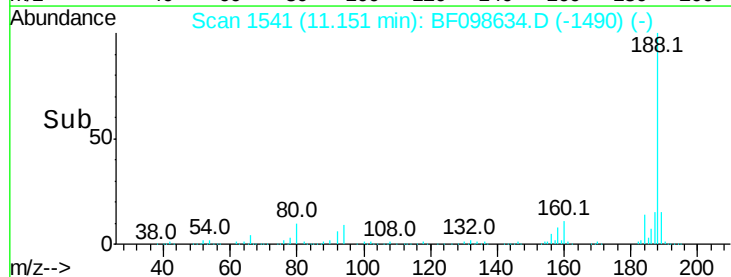
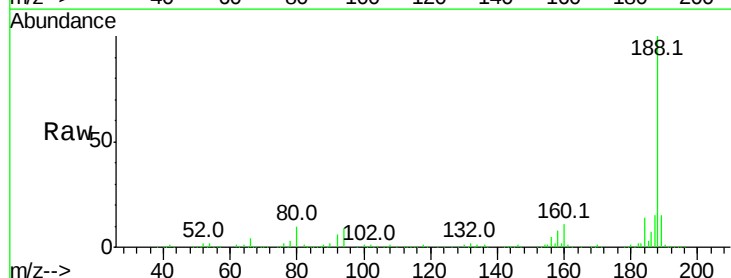
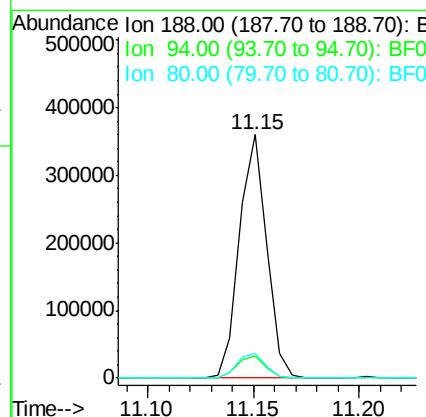
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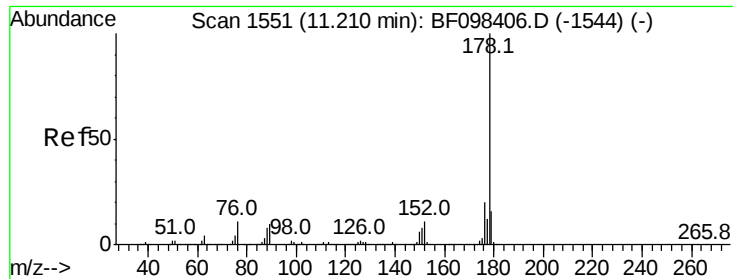
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.15 min Scan# 1541
 Delta R.T. -0.00 min
 Lab File: BF098634.D
 Acq: 19 Sep 2017 6:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	320069		
94	8.9		9.4	14.2#
80	10.1		10.2	15.2#





#70

Phenanthrene

Concen: 77.318 ng

RT: 11.18 min Scan# 1546

Delta R.T. 0.01 min

Lab File: BF098634.D

Acq: 19 Sep 2017 6:54

Instrument :

BNA_F

ClientSampled :

TP-8D46

Tot Ion:178 Resp: 1311914

Ion Ratio Lower Upper

178 100

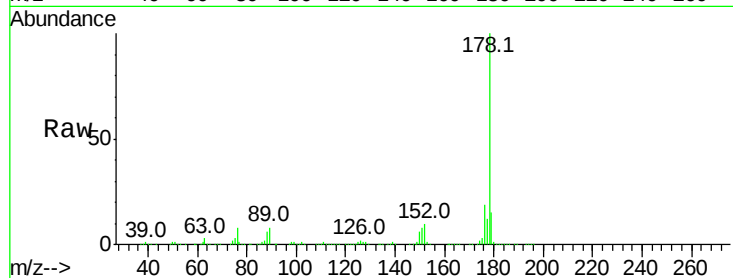
176 19.4 16.2 24.4

179 15.5 12.6 19.0

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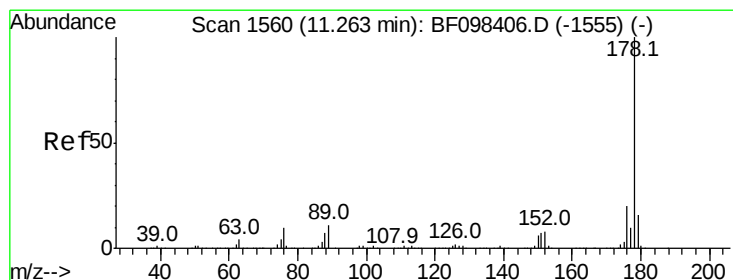
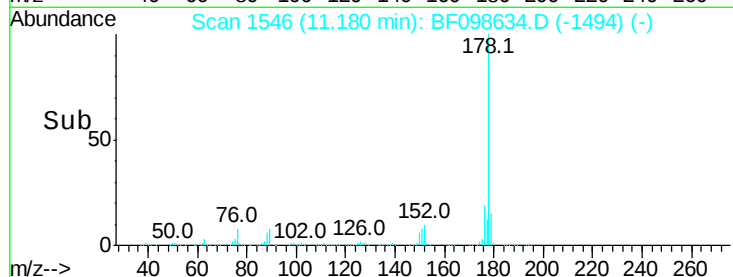
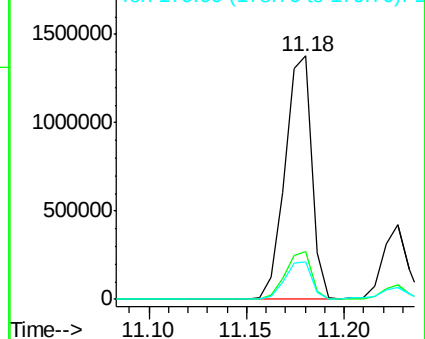
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 20.142 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.00 min

Lab File: BF098634.D

Acq: 19 Sep 2017 6:54

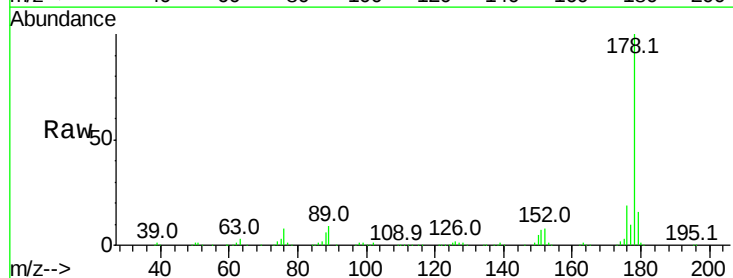
Tgt Ion:178 Resp: 350890

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

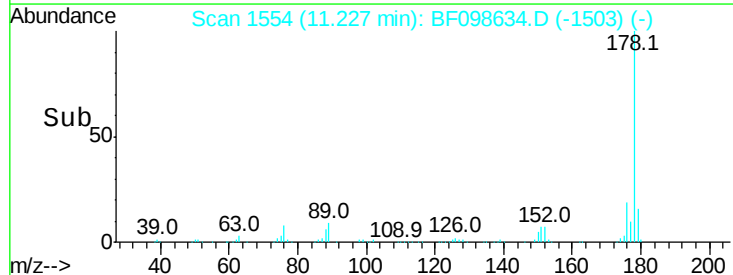
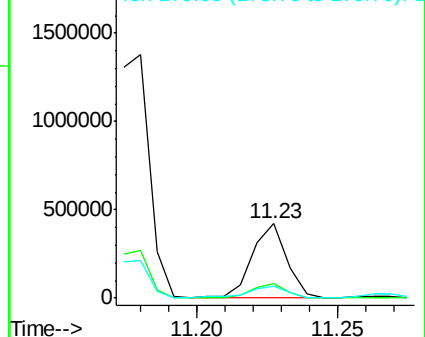
179 15.6 12.7 19.1

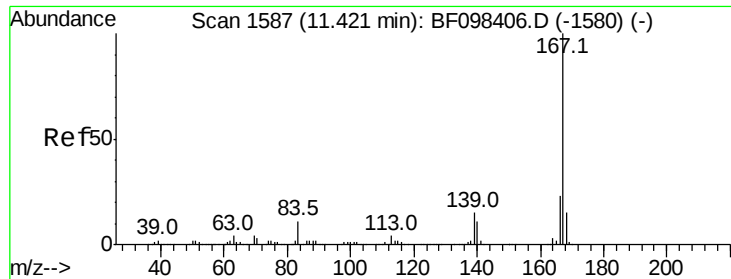


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





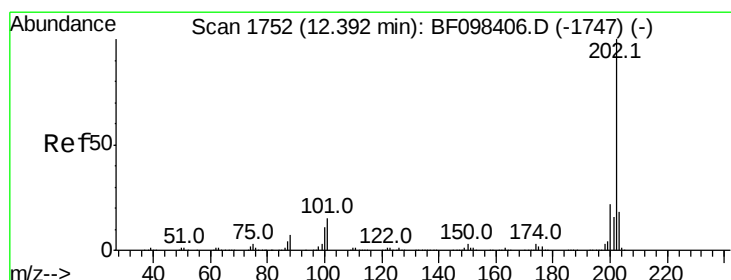
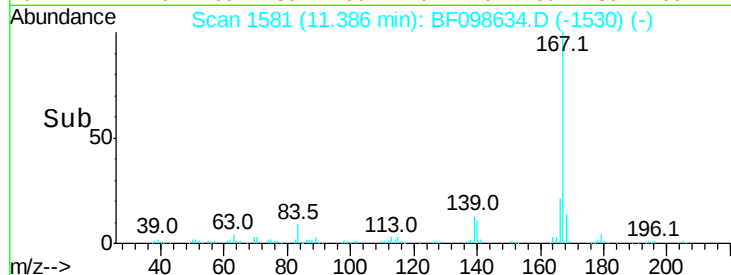
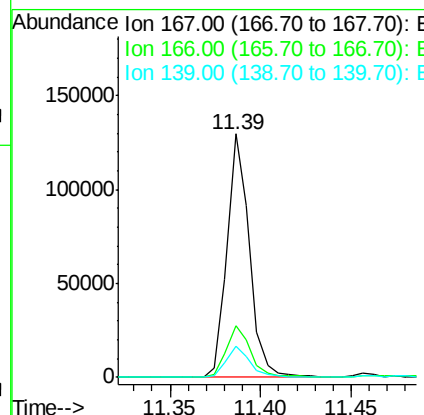
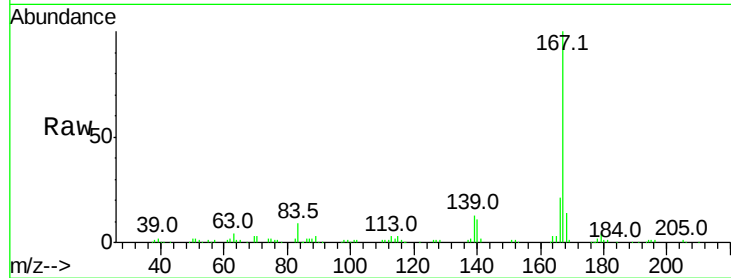
#72
 Carbazole
 Concen: 6.822 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: BF098634.D
 Acq: 19 Sep 2017 6:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-8D46

Tot Ion	Ratio	Resp	Lower	Upper
167	100	110753		
166	21.3		18.1	27.1
139	12.9		11.7	17.5

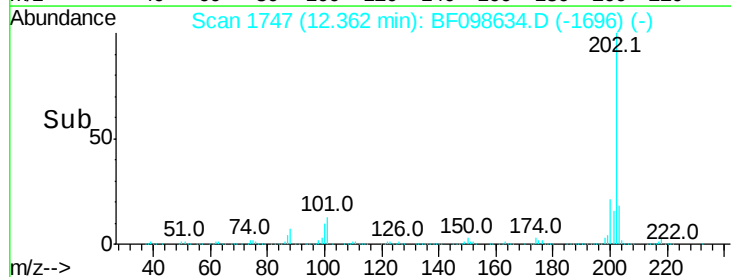
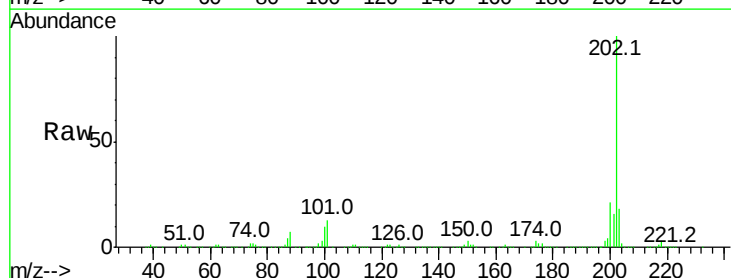
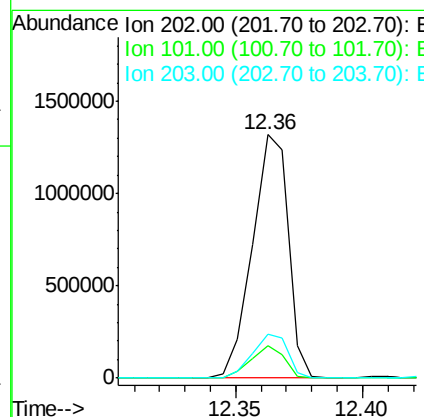
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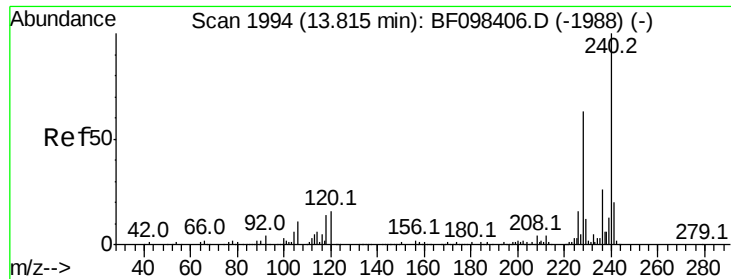
Sohil
 9/19/2017 5:32:08 PM



#74
 Fluoranthene
 Concen: 76.966 ng
 RT: 12.36 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: BF098634.D
 Acq: 19 Sep 2017 6:54

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1307347		
101	13.4		0.0	33.2
203	18.2		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: BF098634.D

Acq: 19 Sep 2017 6:54

Instrument :

BNA_F

ClientSampled :

TP-8D46

Tot Ion:240 Resp: 217813

Ion Ratio Lower Upper

240 100

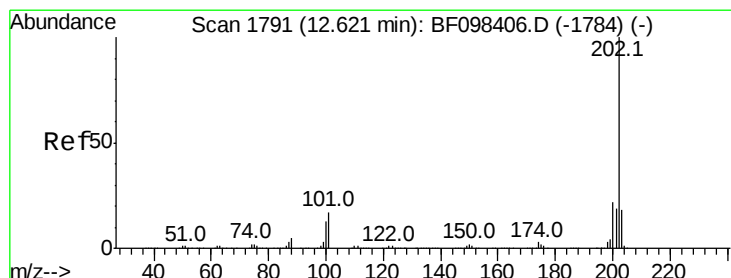
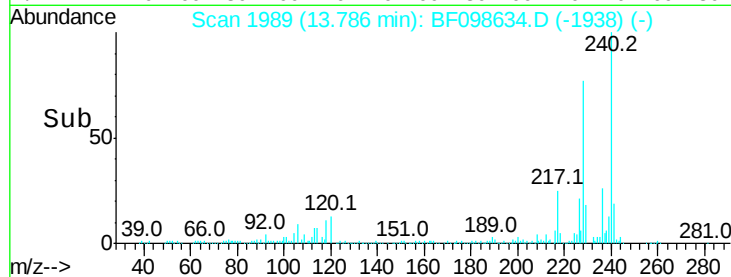
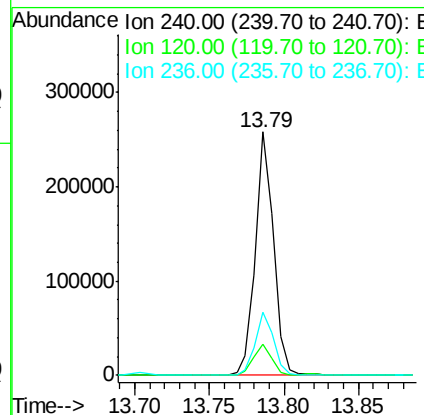
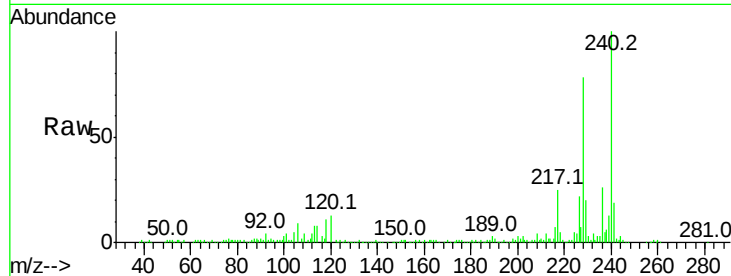
120 12.5 5.8 8.8#

236 25.8 20.5 30.7

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#77

Pyrene

Concen: 53.850 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BF098634.D

Acq: 19 Sep 2017 6:54

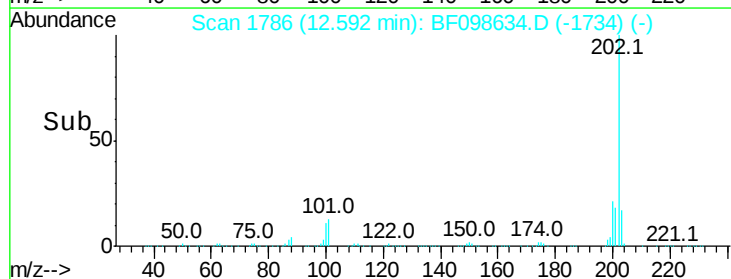
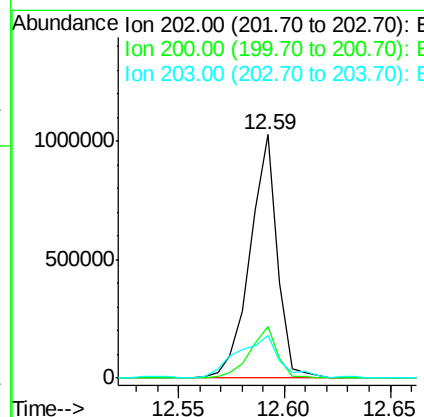
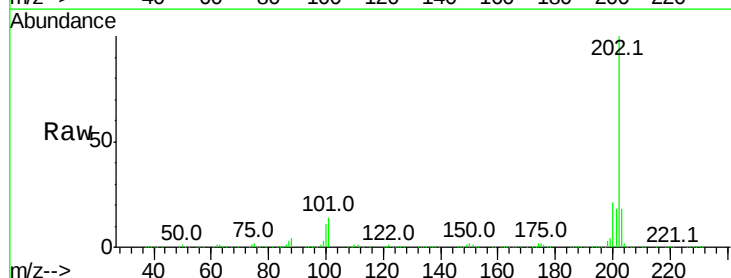
Tgt Ion:202 Resp: 925273

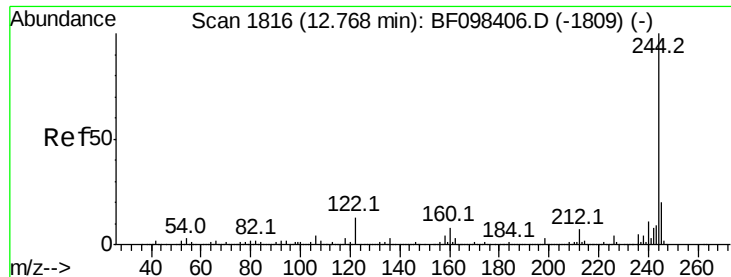
Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

203 17.5 14.4 21.6





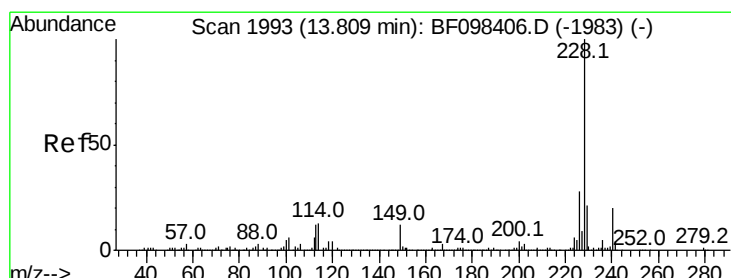
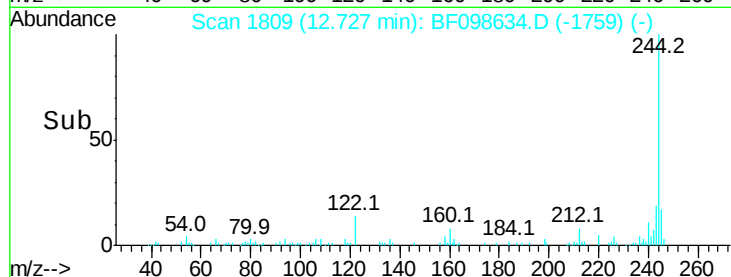
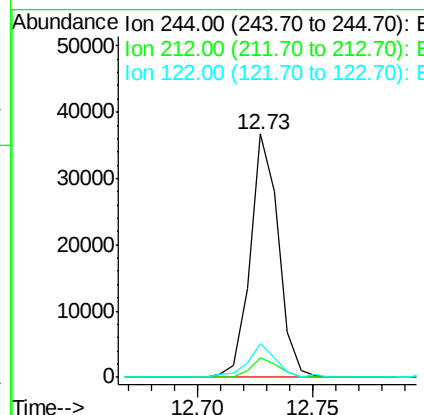
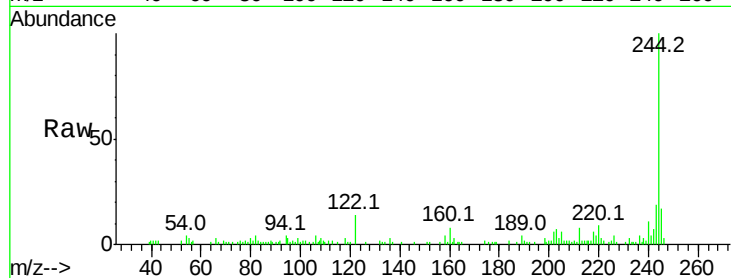
#78
 Terphenyl-d14
 Concen: 3.096 ng
 RT: 12.73 min Scan# 1809
 Delta R.T. -0.01 min
 Lab File: BF098634.D
 Acq: 19 Sep 2017 6:54

Instrument :
 BNA_F
 ClientSampled :
 TP-8D46

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.9	6.0	9.0
122	13.8	10.3	15.5

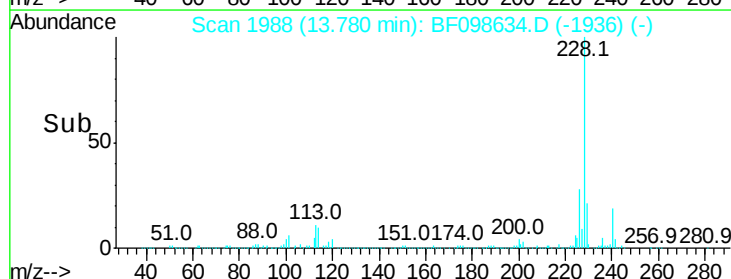
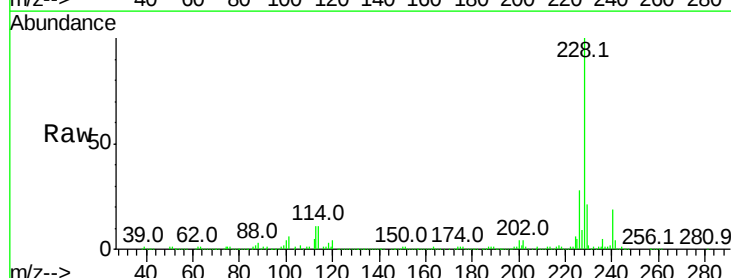
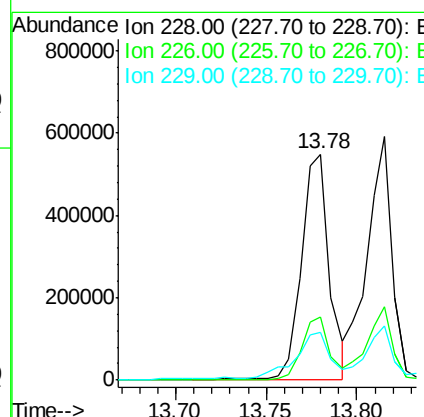
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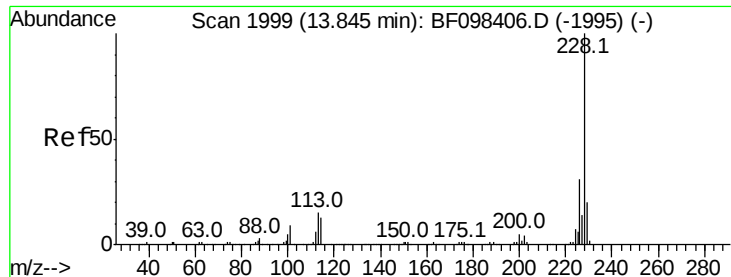
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#80
 Benzo(a)anthracene
 Concen: 46.301 ng
 RT: 13.78 min Scan# 1988
 Delta R.T. 0.01 min
 Lab File: BF098634.D
 Acq: 19 Sep 2017 6:54

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	27.9	22.6	33.8
229	21.1	16.3	24.5





#82

Chrysene

Concen: 44.310 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.00 min

Lab File: BF098634.D

Acq: 19 Sep 2017 6:54

Instrument :

BNA_F

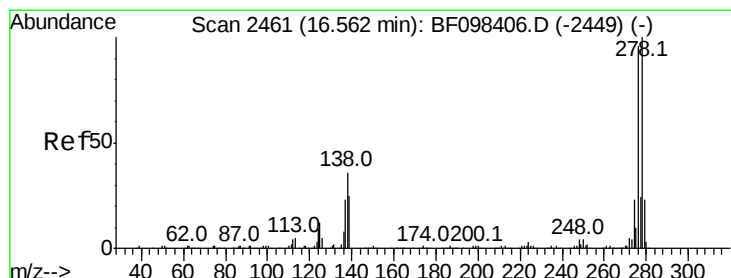
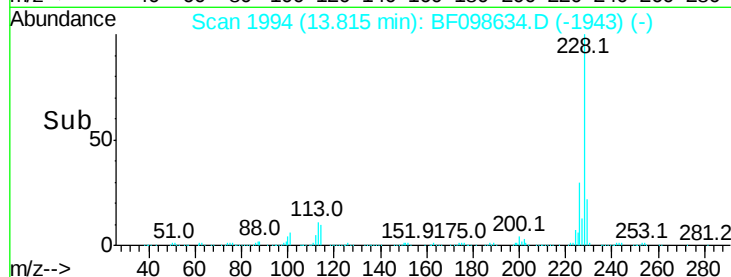
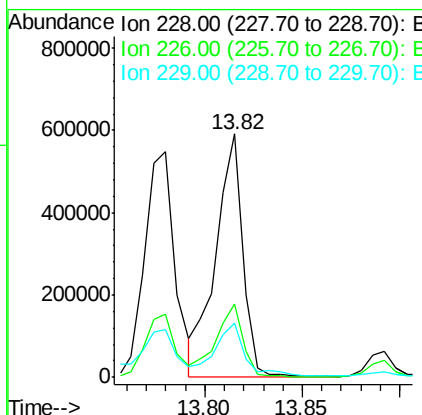
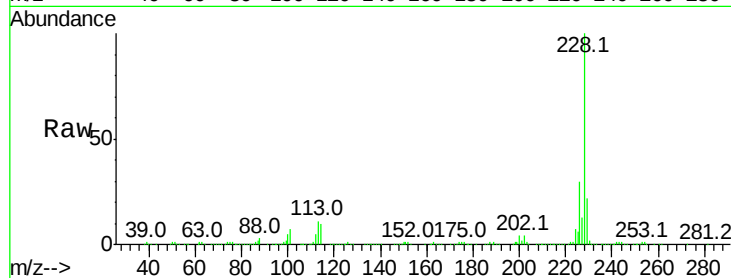
ClientSampled :

TP-8D46

Tot Ion:228	Resp:	571966
Ion Ratio	Lower	Upper
228 100		
226 30.0	24.9	37.3
229 22.0	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 19.327 ng

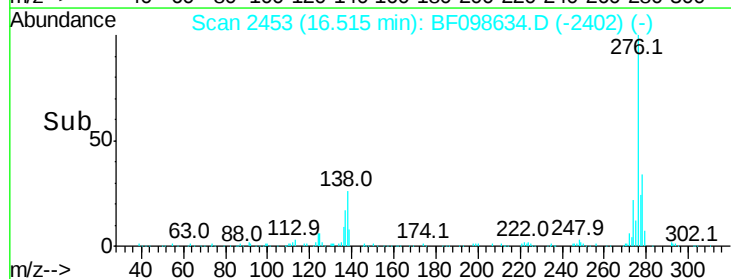
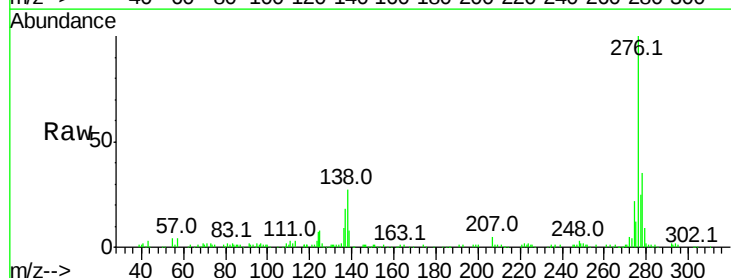
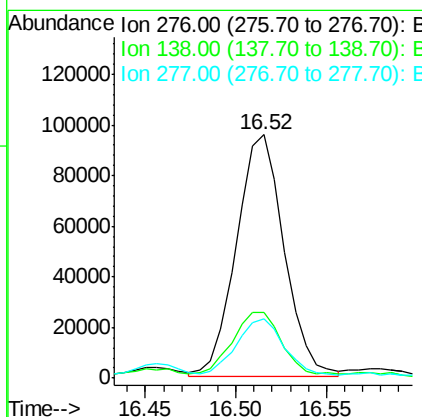
RT: 16.52 min Scan# 2453

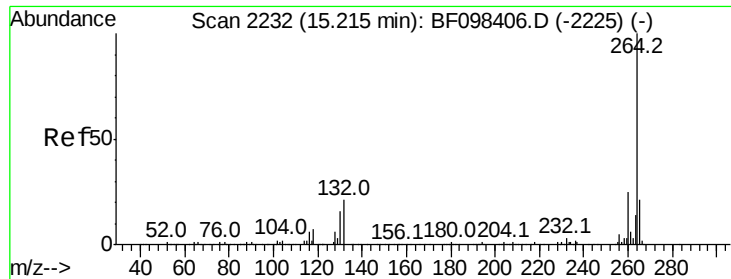
Delta R.T. -0.00 min

Lab File: BF098634.D

Acq: 19 Sep 2017 6:54

Tgt Ion:276	Resp:	175035
Ion Ratio	Lower	Upper
276 100		
138 27.9	27.8	41.6
277 23.7	20.2	30.4





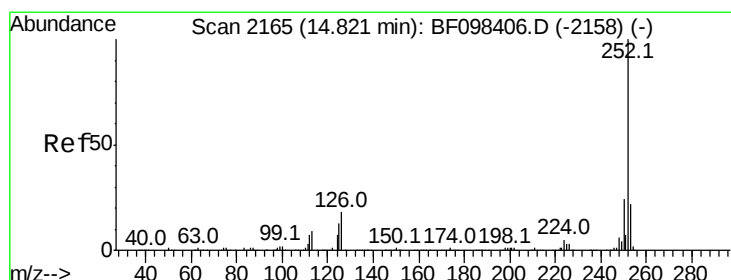
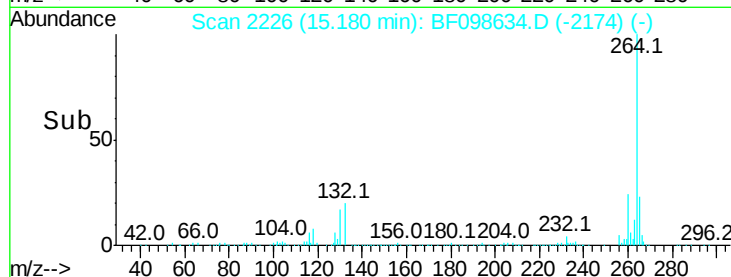
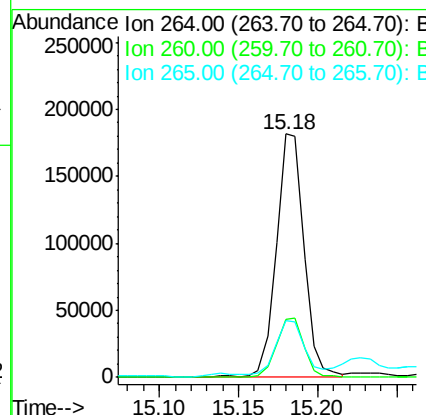
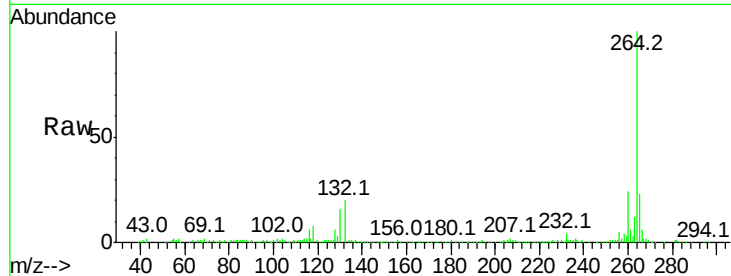
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.18 min Scan# 2226
Delta R.T. 0.01 min
Lab File: BF098634.D
Acq: 19 Sep 2017 6:54

Instrument :
BNA_F
ClientSampled :
TP-8D46

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	23.4	17.2	25.8

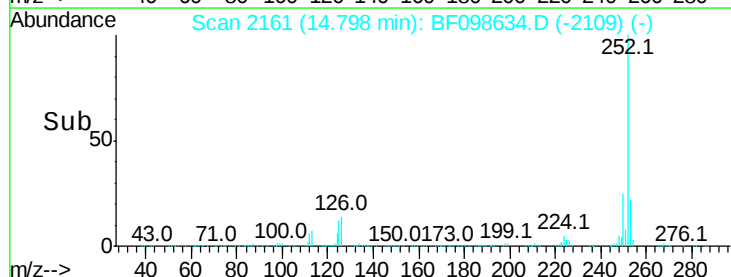
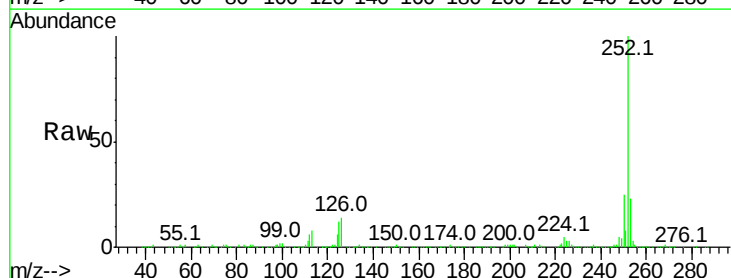
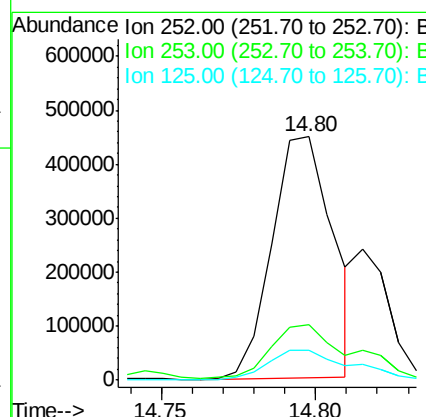
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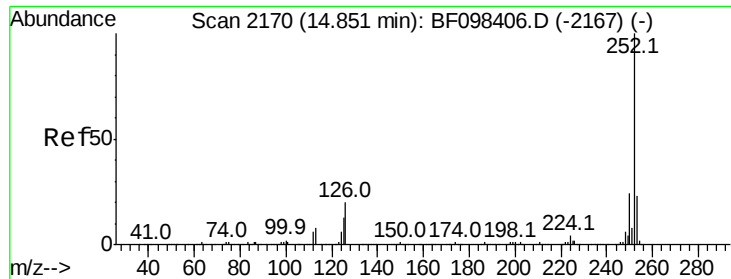
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#87
Benzo(b)fluoranthene
Concen: 44.065 ng m
RT: 14.80 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BF098634.D
Acq: 19 Sep 2017 6:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	12.3	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 14.532 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BF098634.D

Acq: 19 Sep 2017 6:54

Instrument :

BNA_F

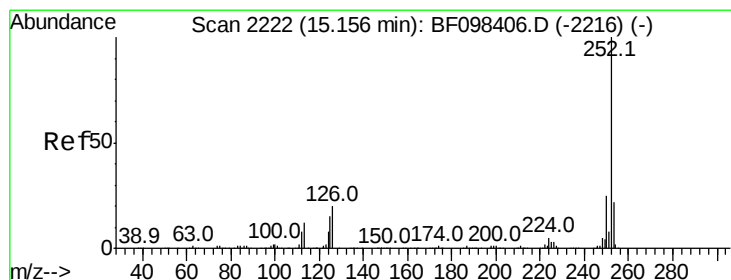
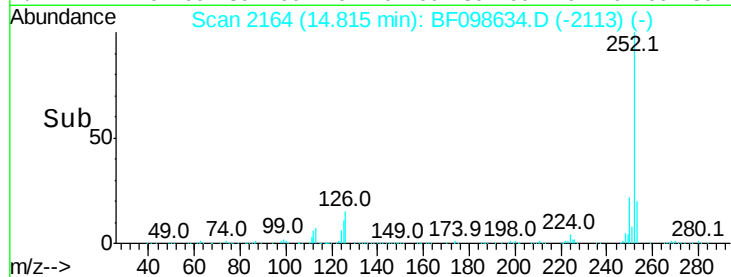
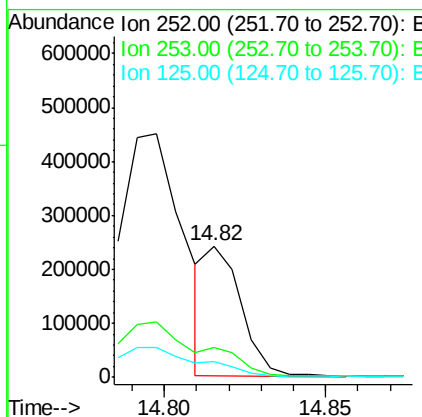
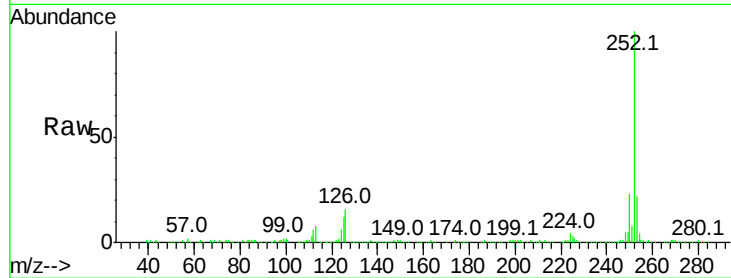
ClientSampleId :

TP-8D46

Tot Ion:	252	Resp:	188798
Ion Ratio	Lower	Upper	
252	100		
253	22.4	18.4	27.6
125	11.7	13.1	19.7

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 28.426 ng

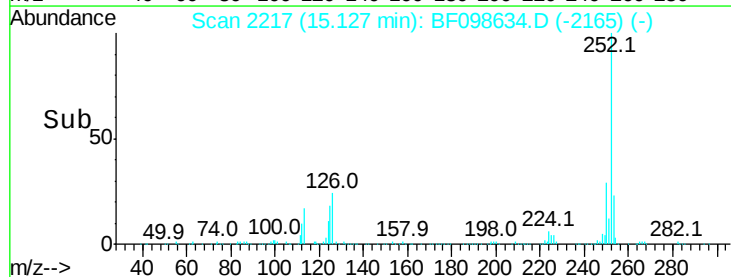
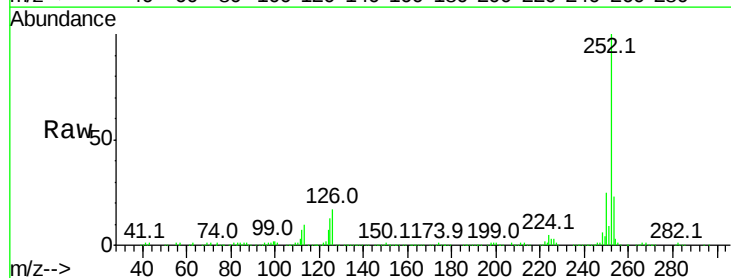
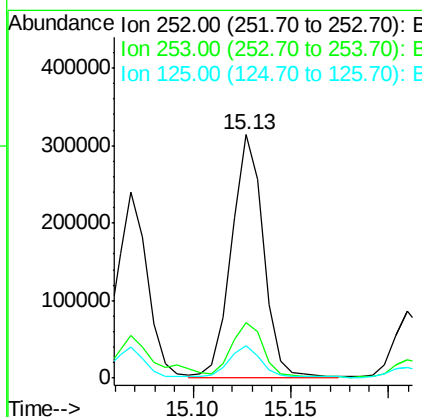
RT: 15.13 min Scan# 2217

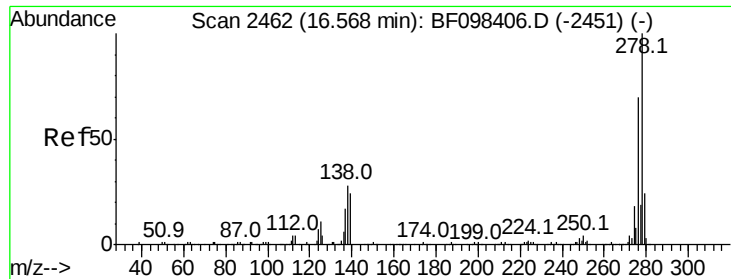
Delta R.T. 0.01 min

Lab File: BF098634.D

Acq: 19 Sep 2017 6:54

Tgt Ion:	252	Resp:	352433
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.5	26.3
125	13.1	11.0	16.4





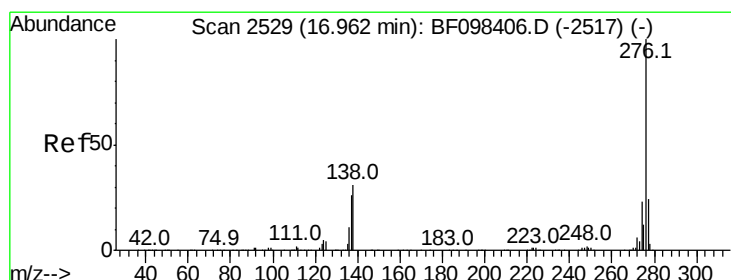
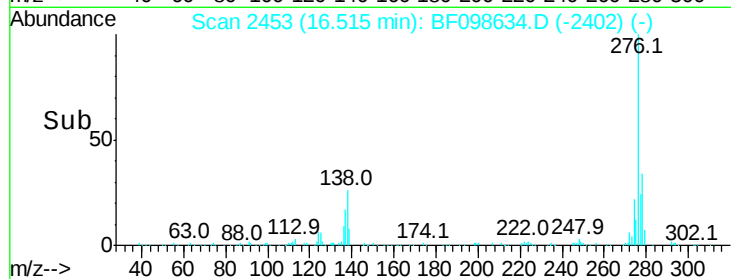
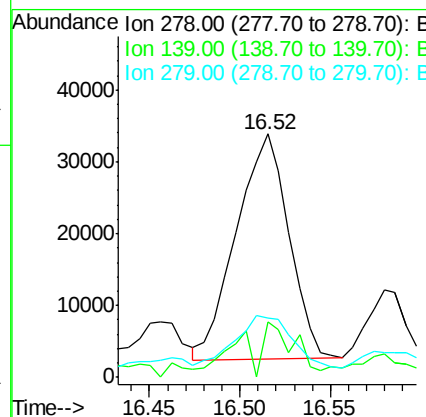
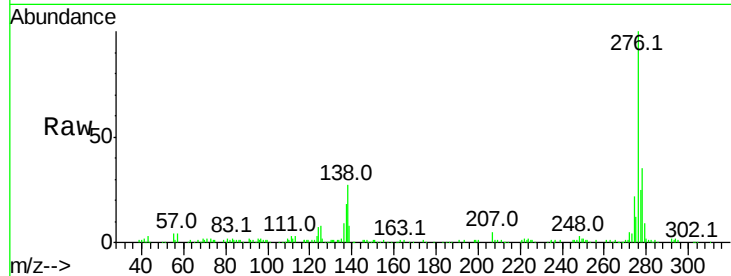
#90
Dibenzo(a,h)anthracene
Concen: 6.999 ng
RT: 16.52 min Scan# 2453
Delta R.T. -0.00 min
Lab File: BF098634.D
Acq: 19 Sep 2017 6:54

Instrument :
BNA_F
ClientSampleId :
TP-8D46

Tot Ion:	278	Resp:	63124
Ion Ratio	Lower	Upper	
278	100		
139	22.9	16.6	24.8
279	24.6	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 15.598 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.01 min
Lab File: BF098634.D
Acq: 19 Sep 2017 6:54

Tgt Ion:	276	Resp:	141495
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.6	28.0
138	25.3	25.4	38.0#

