

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093233.D
 Acq On : 28 Feb 2017 4:27
 Operator : SJ/MA
 Sample : I1972-17 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2HH8.5-BASE

Manual Integrations
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Quant Time: Feb 28 05:35:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 28 00:51:02 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	165831	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	623875	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	278937	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	455722	20.00	ng	0.00
75) Chrysene-d12	13.99	240	342062	20.00	ng	0.00
86) Perylene-d12	15.41	264	275893	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	235897	24.40	ng	0.00
7) Phenol-d6	6.46	99	295330	23.75	ng	-0.01
23) Nitrobenzene-d5	7.39	82	161360	14.40	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	43382	21.50	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	298768	19.40	ng	0.00
78) Terphenyl-d14	12.92	244	206231	14.17	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.37	178	328551	12.58	ng	98
71) Anthracene	11.41	178	90002	3.43	ng	96
74) Fluoranthene	12.56	202	390153	14.49	ng	98
77) Pyrene	12.78	202	362475	14.16	ng	98
80) Benzo(a)anthracene	13.97	228	200810	9.60	ng	97
82) Chrysene	14.01	228	135412	6.91	ng	97
85) Indeno(1,2,3-cd)pyrene	16.81	276	65761	4.33	ng	97
87) Benzo(b)fluoranthene	15.00	252	161150m	8.87	ng	
88) Benzo(k)fluoranthene	15.01	252	77441m	4.94	ng	
89) Benzo(a)pyrene	15.36	252	125256	7.97	ng	98
91) Benzo(g,h,i)perylene	17.23	276	68807	5.37	ng	# 90

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

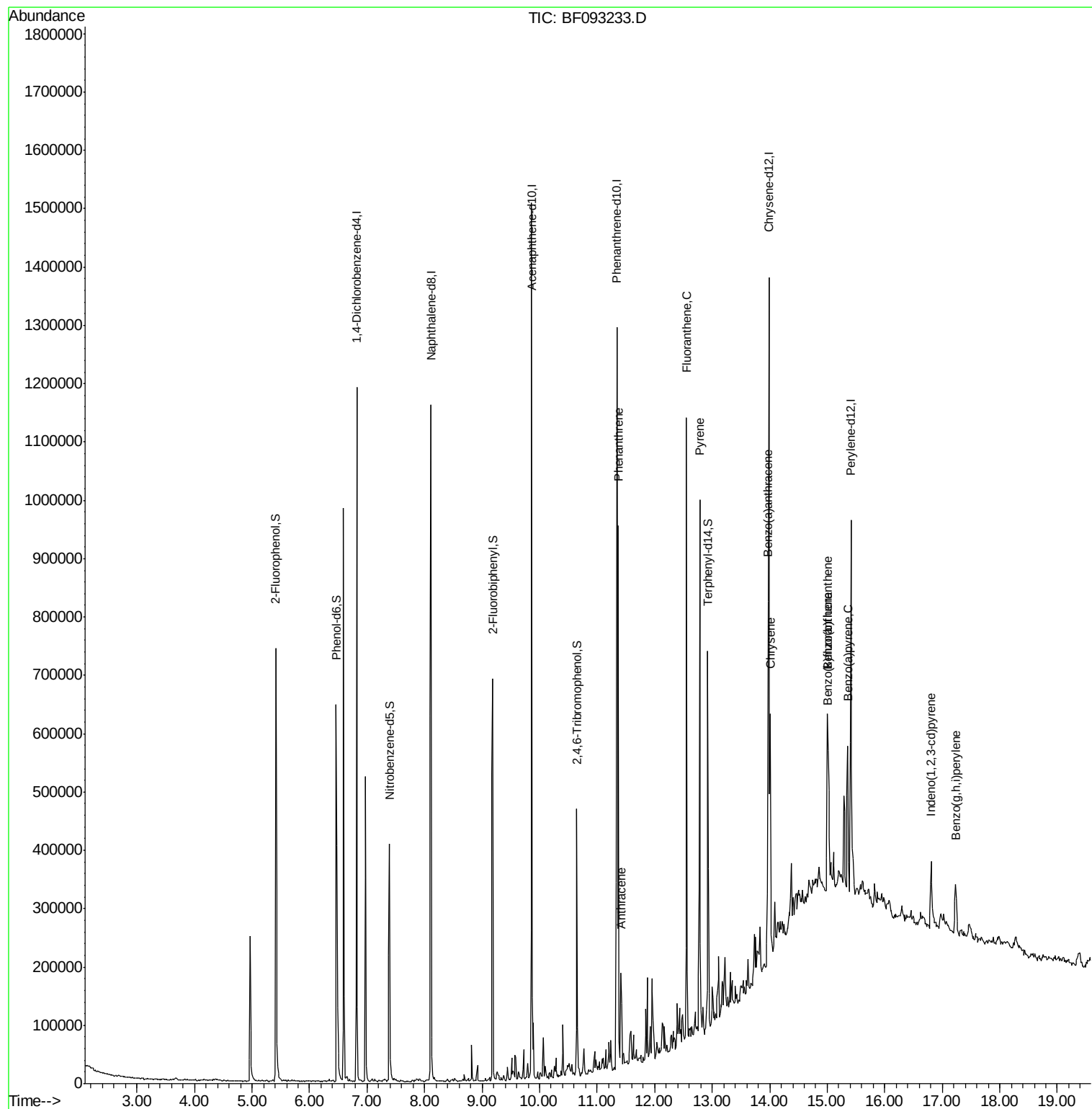
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093233.D
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ALS Vial : 22 Sample Multiplier: 1

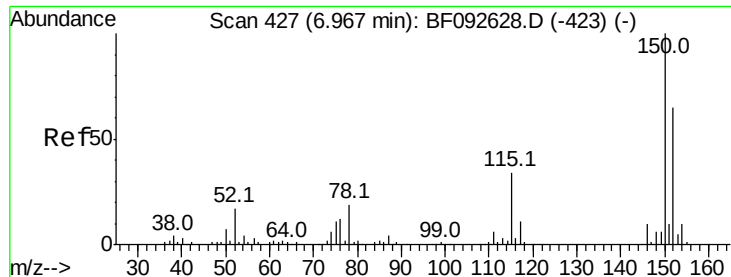
Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

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Quant Time: Feb 28 05:35:10 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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#1

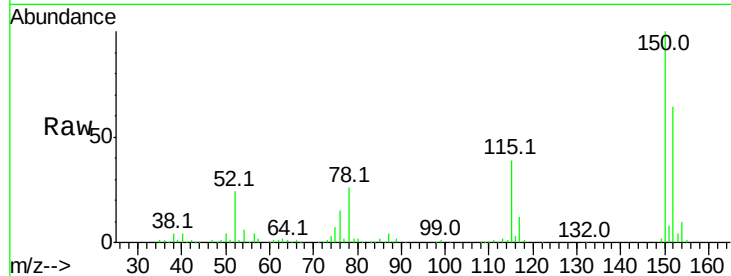
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.9	187.3
115	60.6	46.0	69.0

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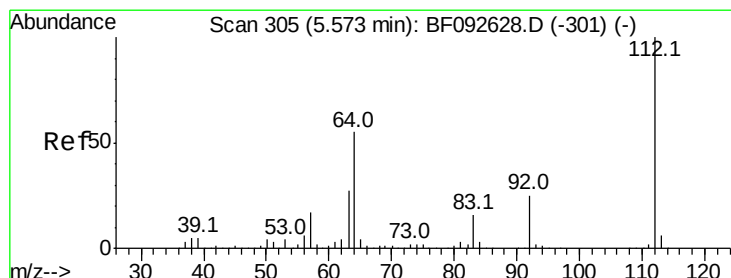
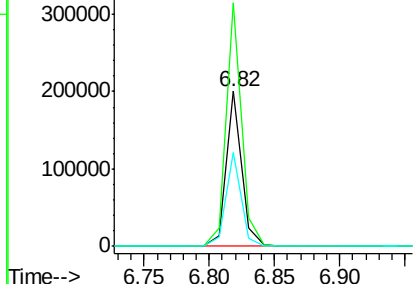
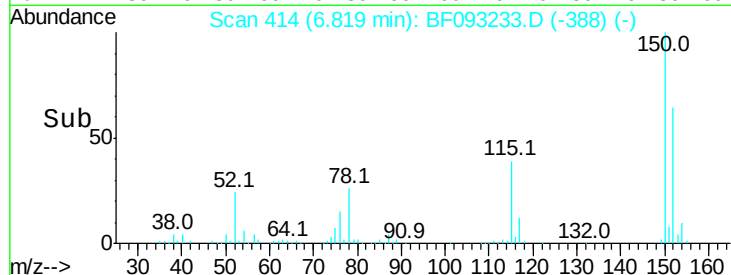


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

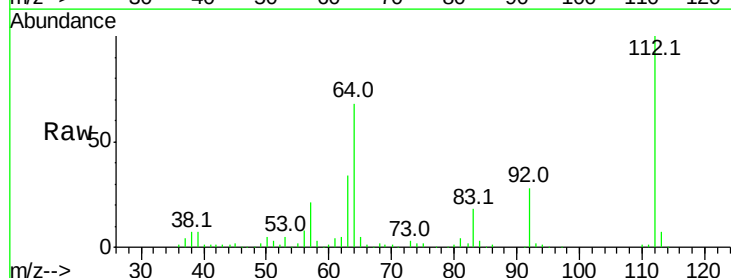
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 24.40 ng
RT: 5.41 min Scan# 291
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.8	46.1	69.1
63	33.7	23.8	35.6

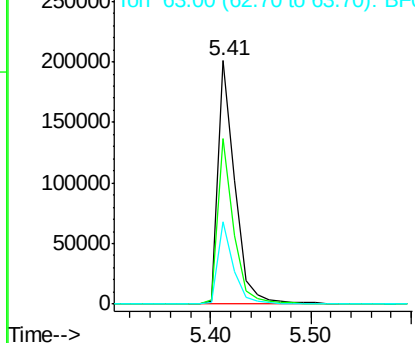
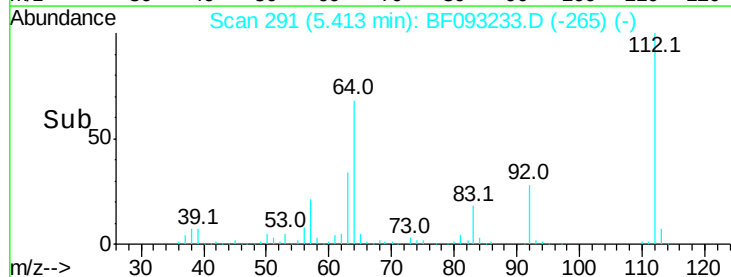


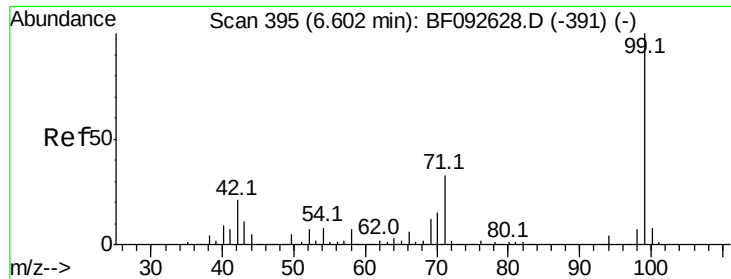
Abundance

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: 23.75 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF093233.D

Acq: 28 Feb 2017 4:27

Instrument :

BNA_F

ClientSampleId :

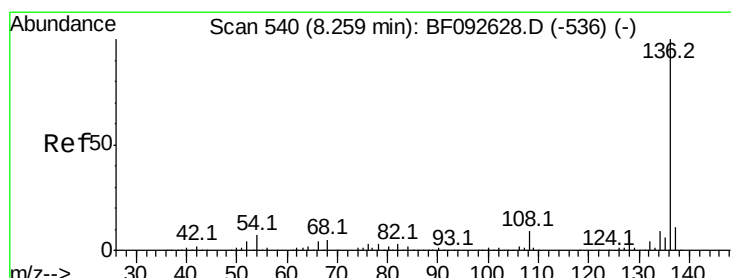
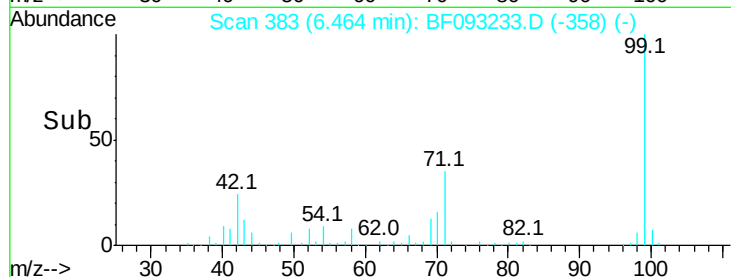
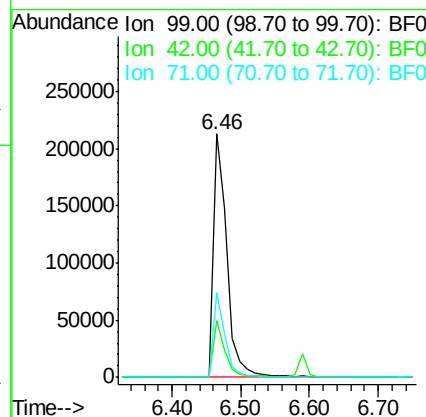
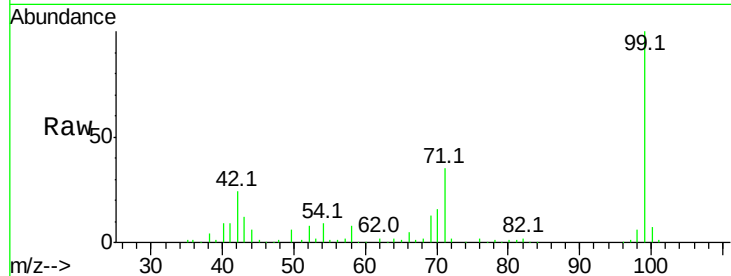
E2HH8.5-BASE

Tot Ion: 99 Resp: 295330

Ion	Ratio	Lower	Upper
99	100		
42	23.5	15.6	23.4#
71	35.1	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

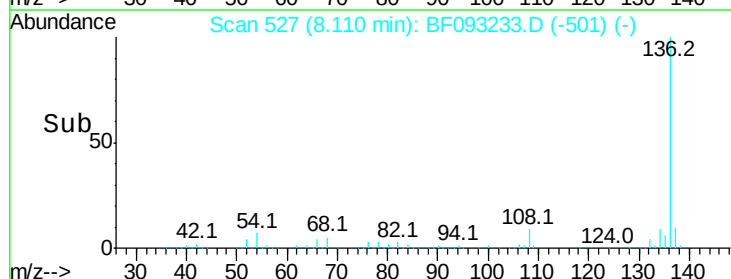
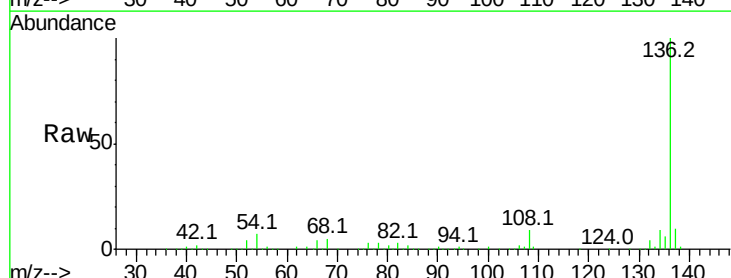
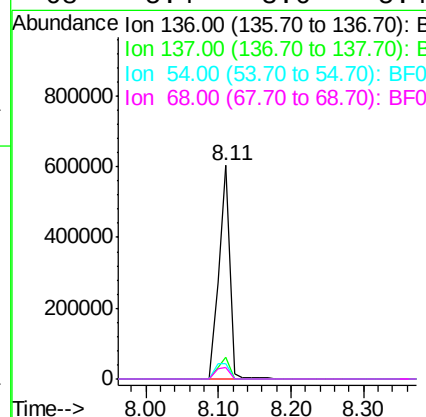
Delta R.T. -0.00 min

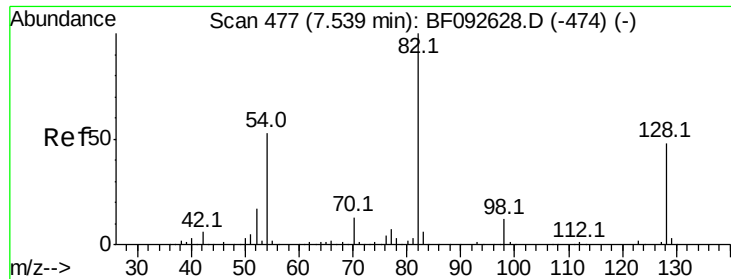
Lab File: BF093233.D

Acq: 28 Feb 2017 4:27

Tgt Ion: 136 Resp: 623875

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	7.3	4.5	6.7#
68	5.4	3.6	5.4#





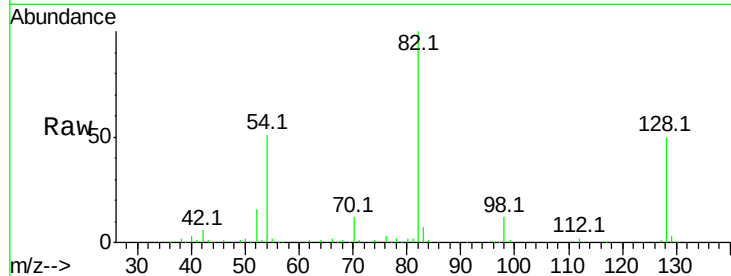
#23
 Nitrobenzene-d5
 Concen: 14.40 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF093233.D
 Acq: 28 Feb 2017 4:27

Instrument :
 BNA_F
 ClientSampleId :
 E2HH8.5-BASE

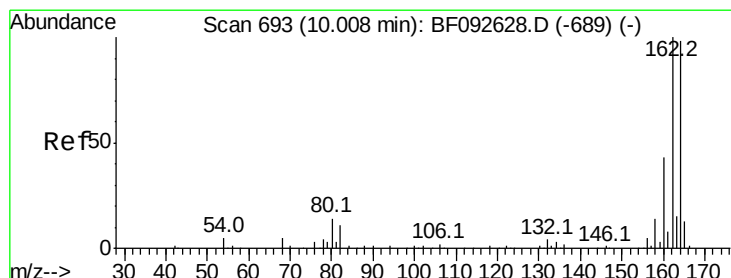
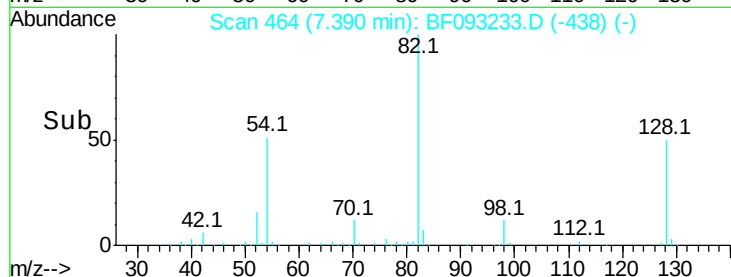
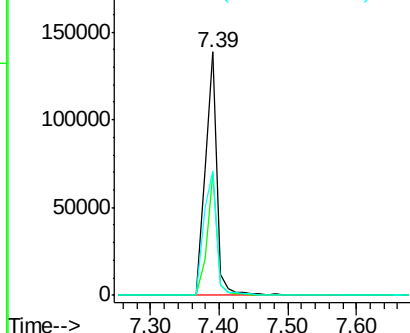
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.9	34.6	52.0
54	51.1	39.5	59.3

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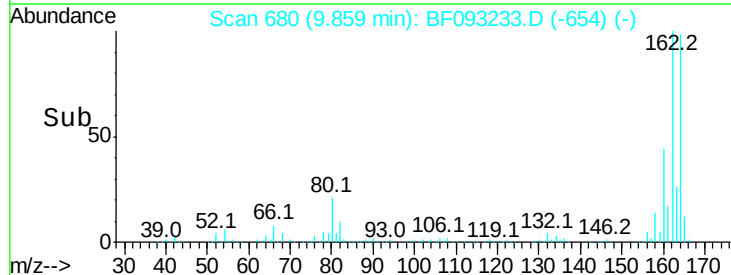
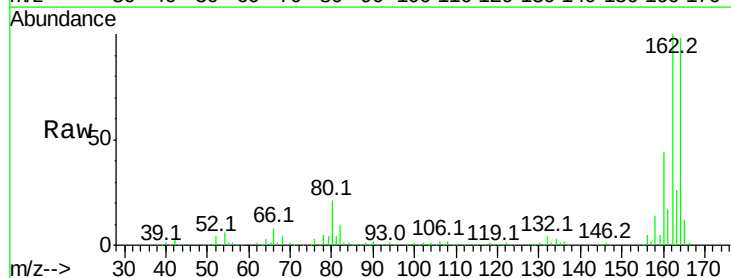
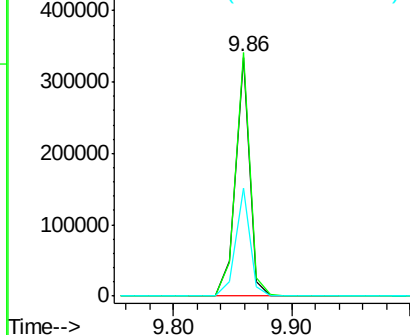
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

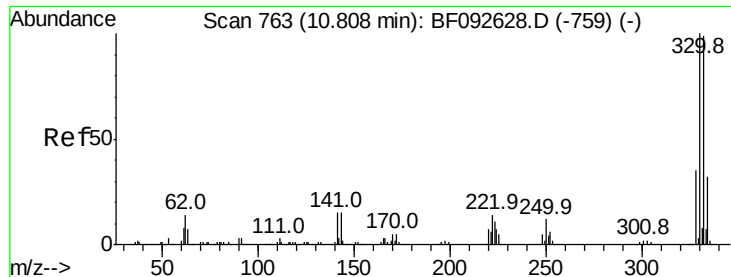


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: BF093233.D
 Acq: 28 Feb 2017 4:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.2	120.2
160	45.3	36.9	55.3

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





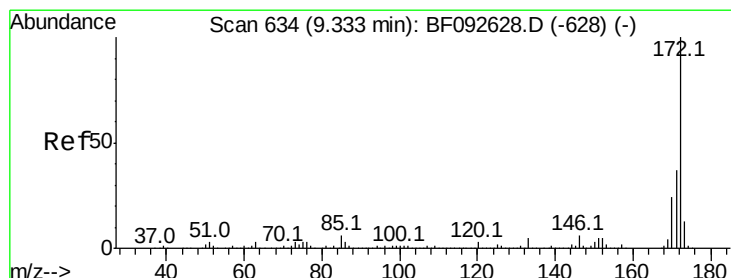
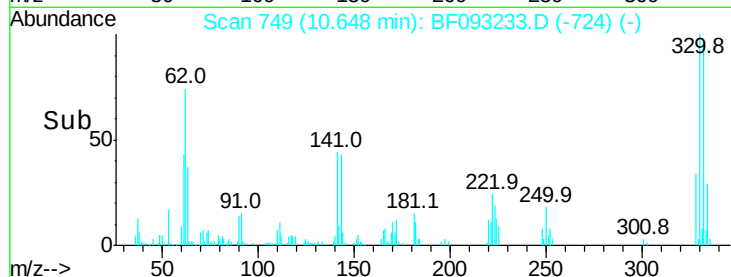
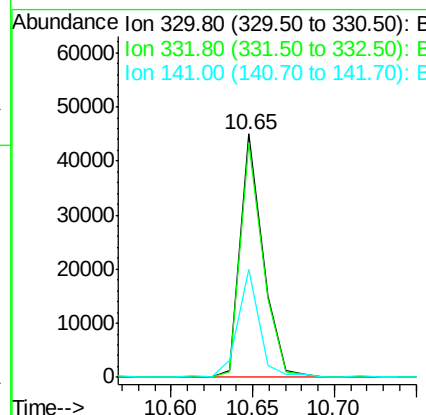
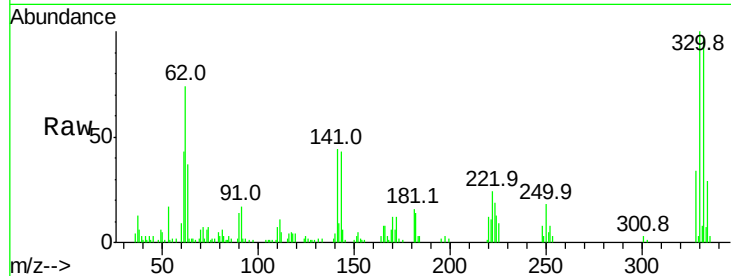
#41
 2,4,6-Tribromophenol
 Concen: 21.50 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF093233.D
 Acq: 28 Feb 2017 4:27

Instrument :
 BNA_F
 ClientSampleId :
 E2HH8.5-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	77.4	116.2	
141	42.4	34.1	51.1	

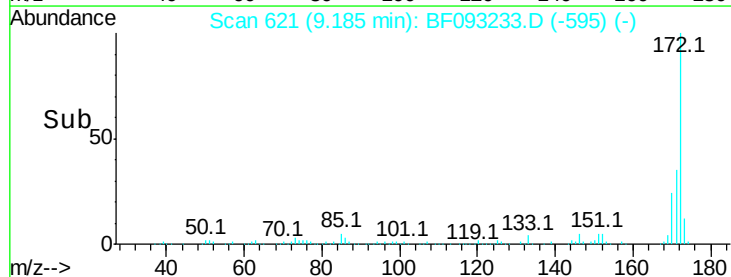
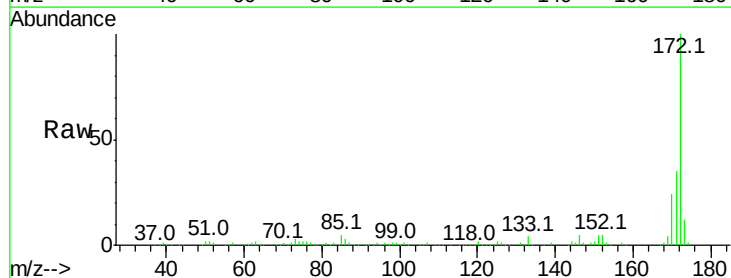
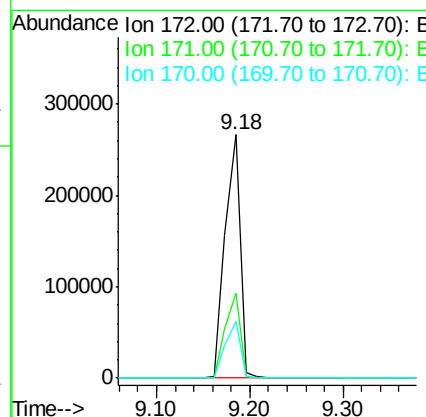
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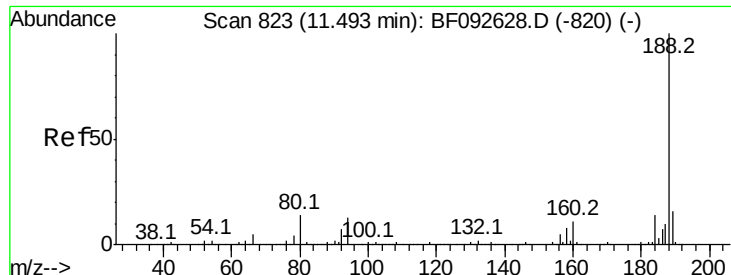
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#44
 2-Fluorobiphenyl
 Concen: 19.40 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: BF093233.D
 Acq: 28 Feb 2017 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.4	44.0	
170	23.5	20.2	30.4	





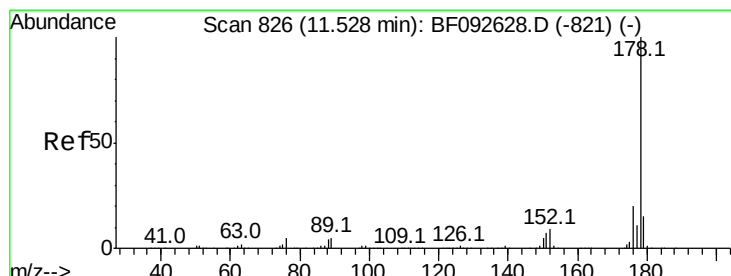
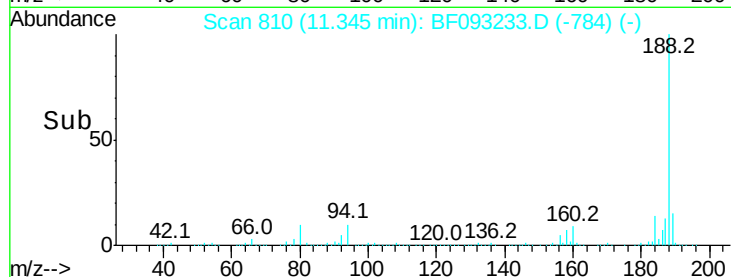
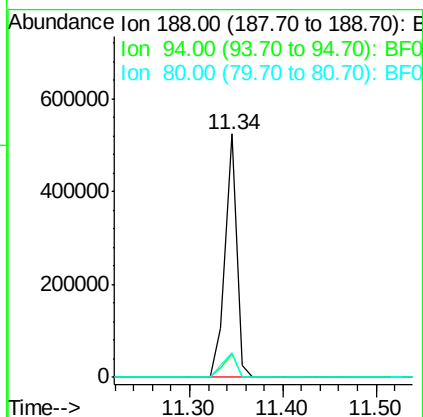
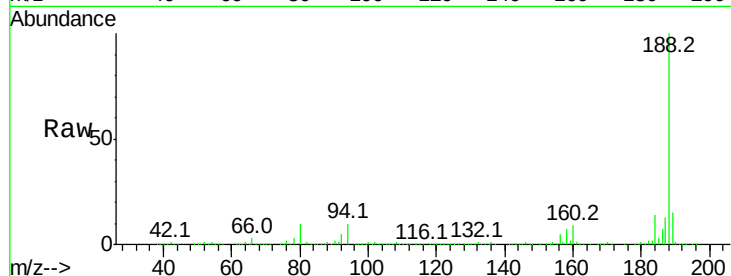
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	455722		
94	9.8	10.0	15.0#	
80	10.2	11.2	16.8#	

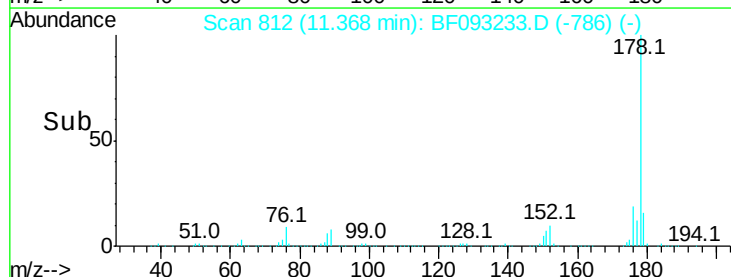
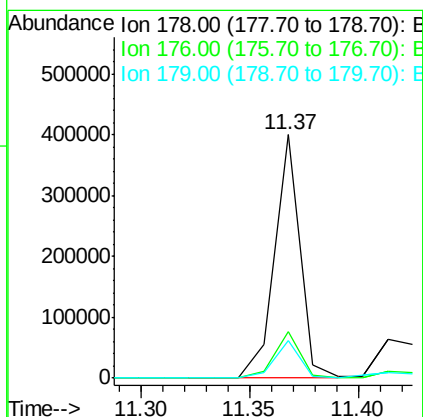
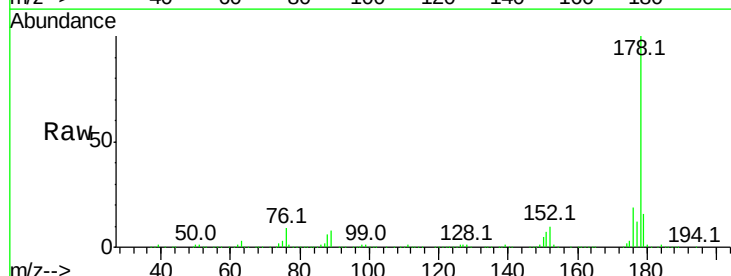
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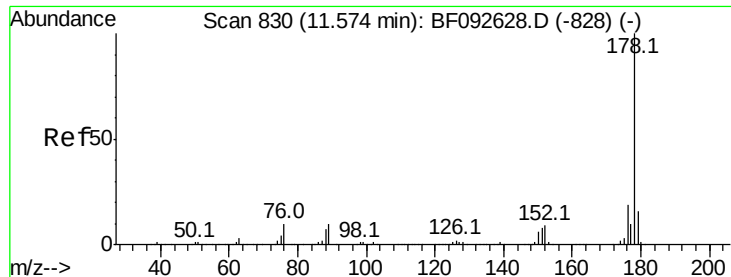
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#70
Phenanthrene
Concen: 12.58 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	328551		
176	19.3	16.6	25.0	
179	15.6	12.8	19.2	





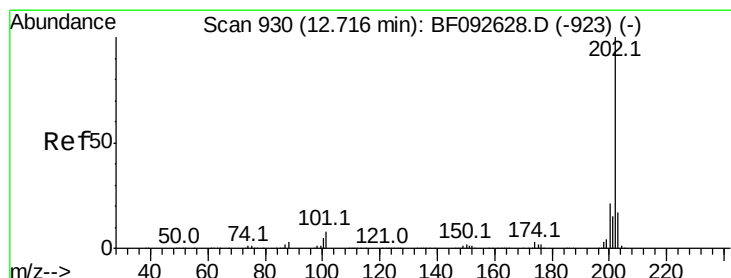
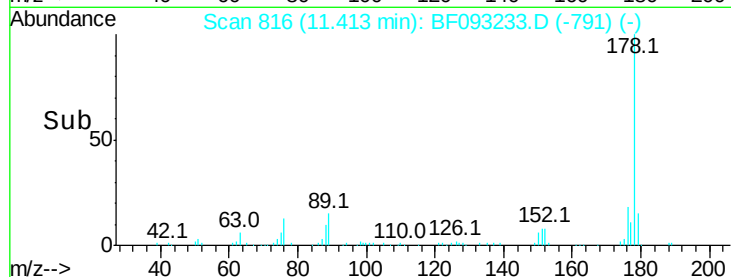
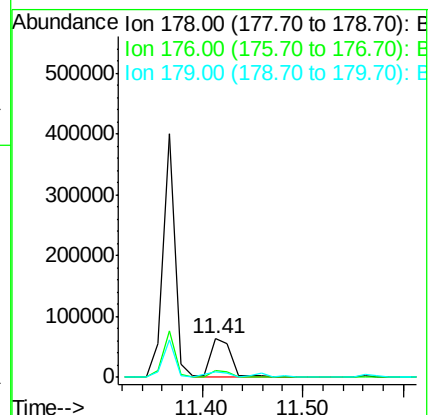
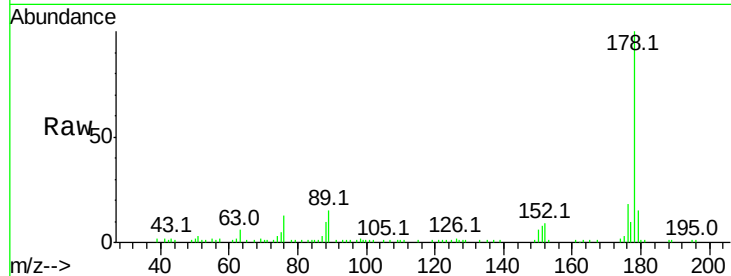
#71
 Anthracene
 Concen: 3.43 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF093233.D
 Acq: 28 Feb 2017 4:27

Instrument :
 BNA_F
 ClientSampleId :
 E2HH8.5-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.9	23.9
179	15.2	13.2	19.8

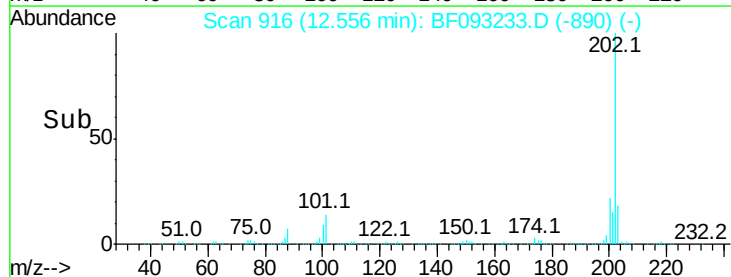
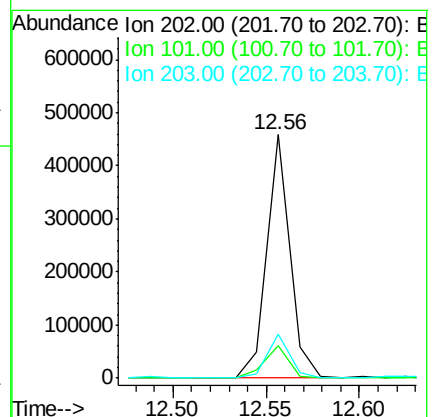
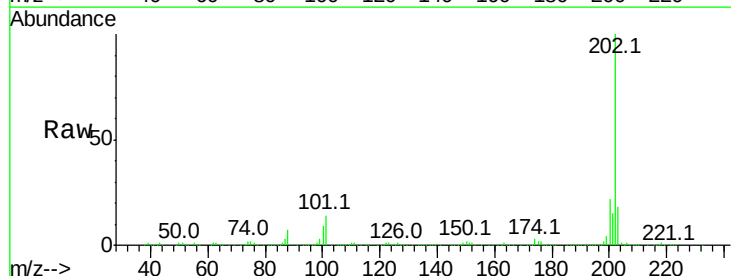
Manual Integrations
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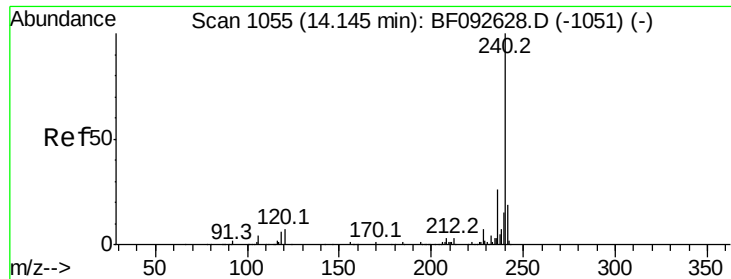
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#74
 Fluoranthene
 Concen: 14.49 ng
 RT: 12.56 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BF093233.D
 Acq: 28 Feb 2017 4:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.6
203	17.9	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF093233.D

Acq: 28 Feb 2017 4:27

Instrument :

BNA_F

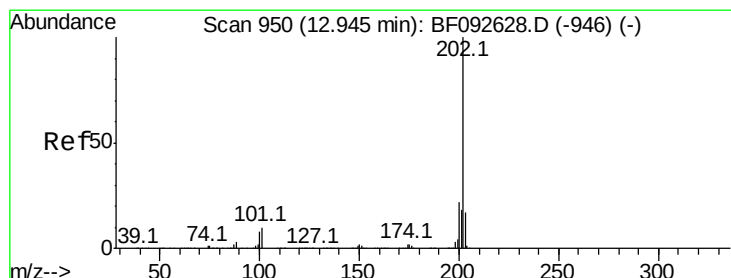
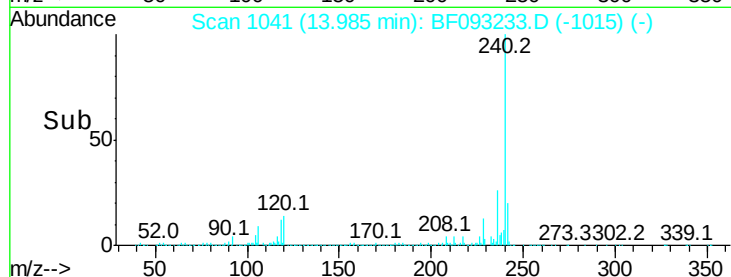
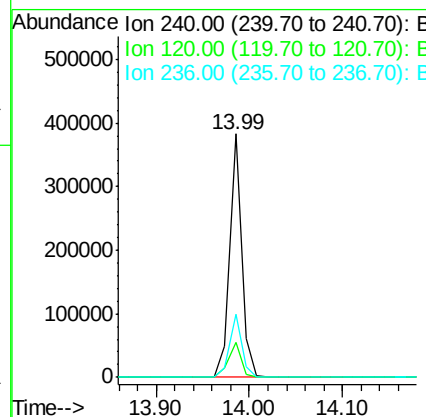
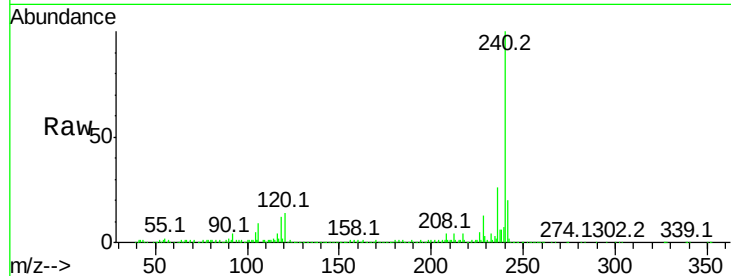
ClientSampleId :

E2HH8.5-BASE

Tot Ion:	240	Resp:	342062
Ion Ratio	Lower	Upper	
240	100		
120	14.2	12.9	19.3
236	25.8	20.9	31.3

Manual Integrations
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#77

Pyrene

Concen: 14.16 ng

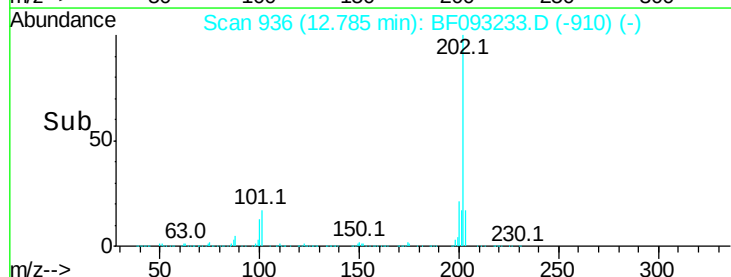
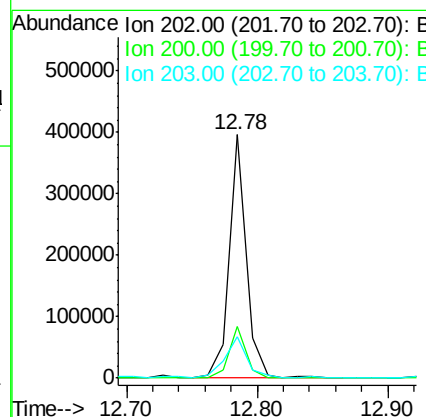
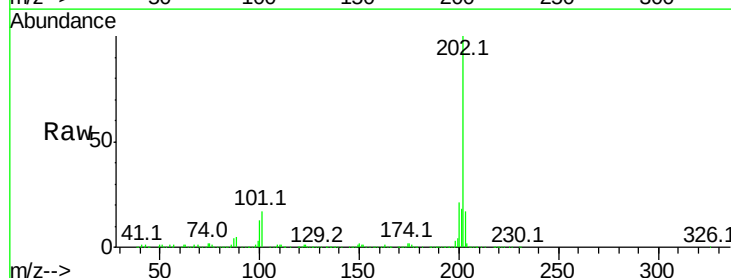
RT: 12.78 min Scan# 936

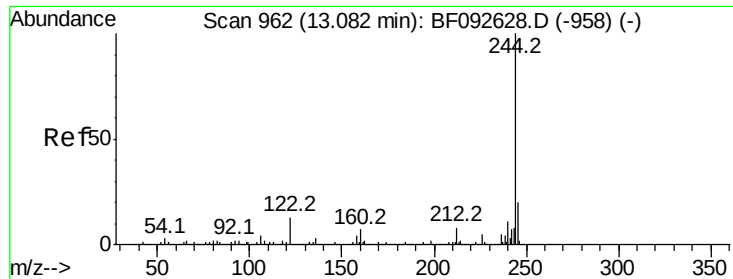
Delta R.T. -0.00 min

Lab File: BF093233.D

Acq: 28 Feb 2017 4:27

Tgt Ion:	202	Resp:	362475
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	17.1	14.7	22.1





#78

Terphenyl-d14

Concen: 14.17 ng

RT: 12.92 min Scan# 948

Delta R.T. -0.01 min

Lab File: BF093233.D

Acq: 28 Feb 2017 4:27

Instrument :

BNA_F

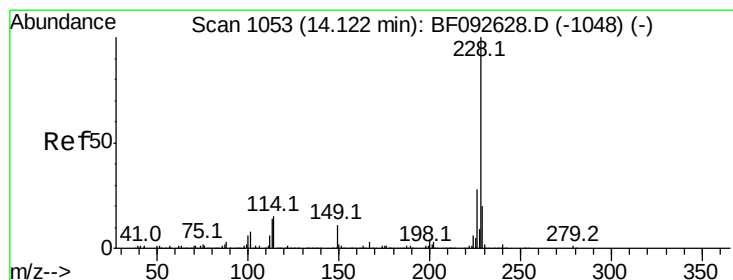
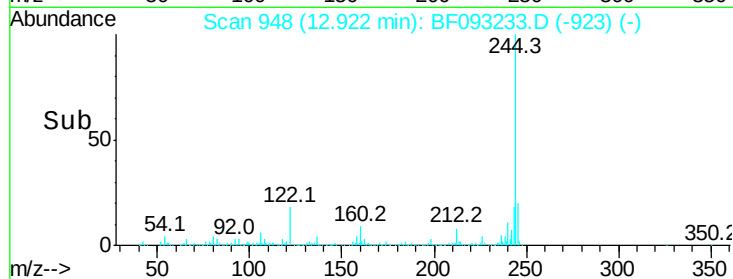
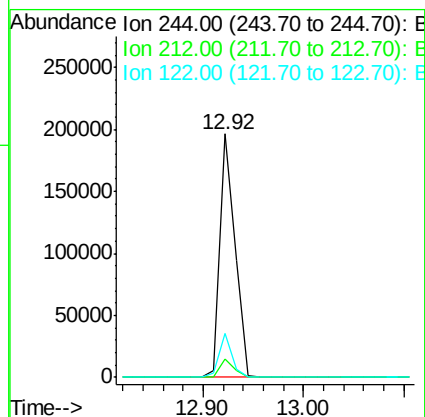
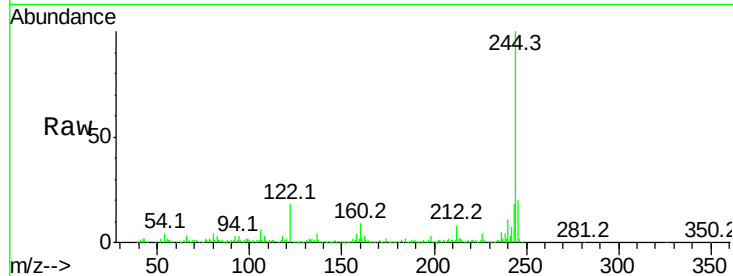
ClientSampled :

E2HH8.5-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.2
122	18.0	11.4	17.2

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#80

Benzo(a)anthracene

Concen: 9.60 ng

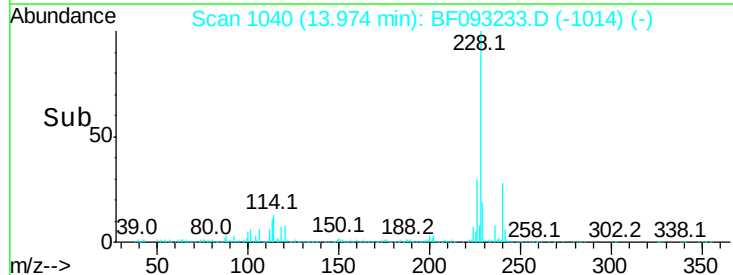
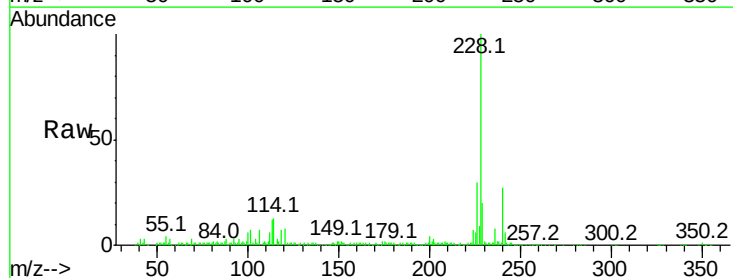
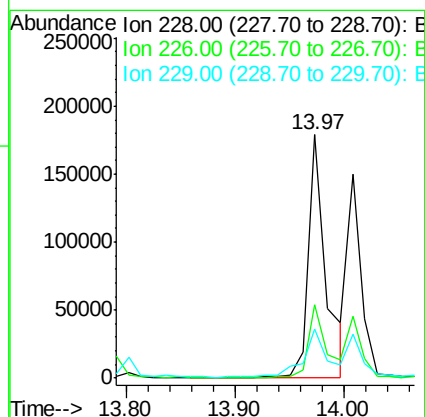
RT: 13.97 min Scan# 1040

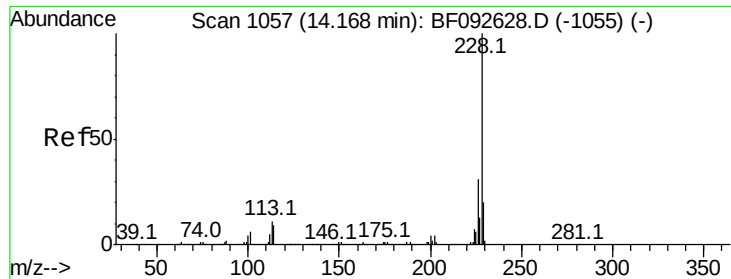
Delta R.T. -0.00 min

Lab File: BF093233.D

Acq: 28 Feb 2017 4:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.4	33.6
229	20.0	16.2	24.4





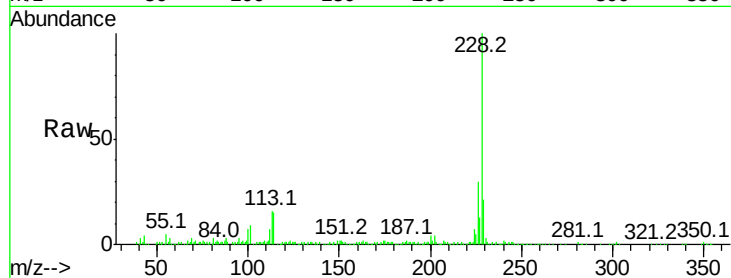
#82
Chrysene
Concen: 6.91 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

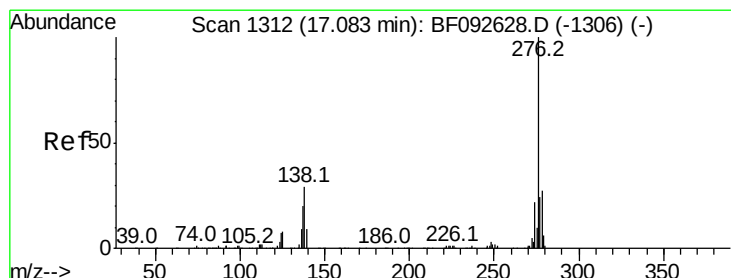
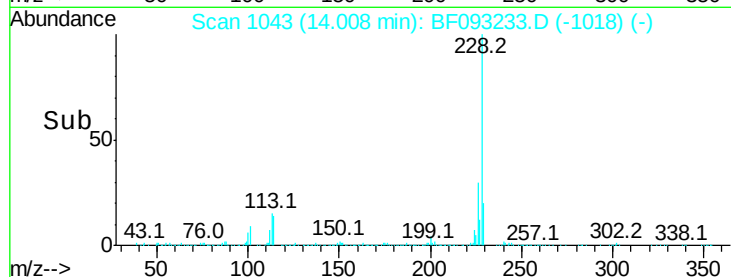
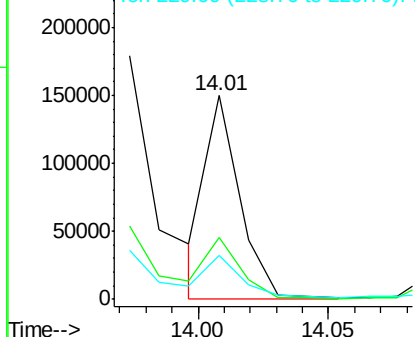
Tot Ion:	228	Resp:	135412
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.4	38.0
229	21.5	16.2	24.2

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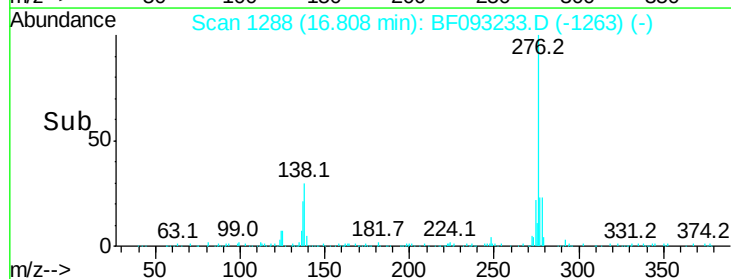
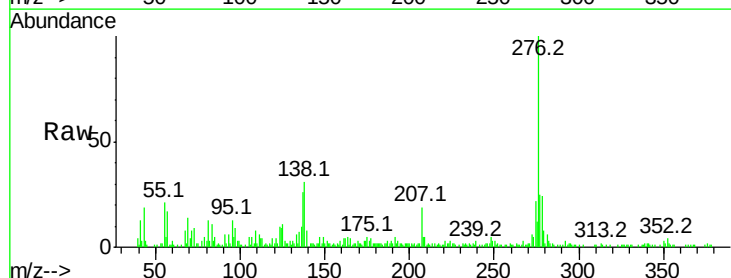
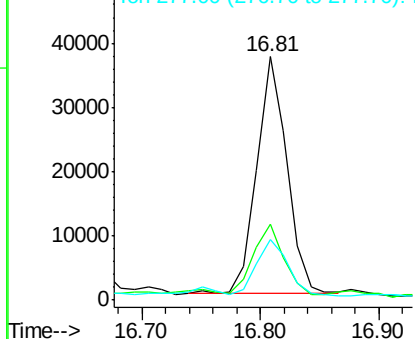
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

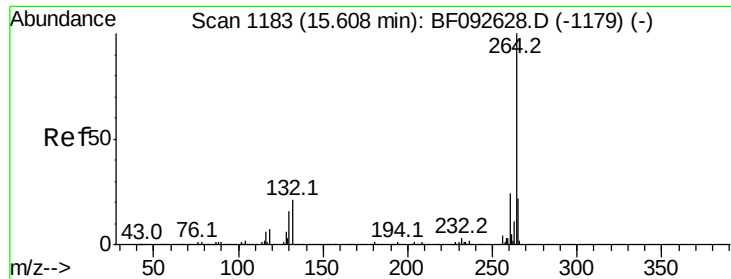


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.33 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion:	276	Resp:	65761
Ion Ratio	Lower	Upper	
276	100		
138	29.6	21.8	32.6
277	24.3	20.2	30.4

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





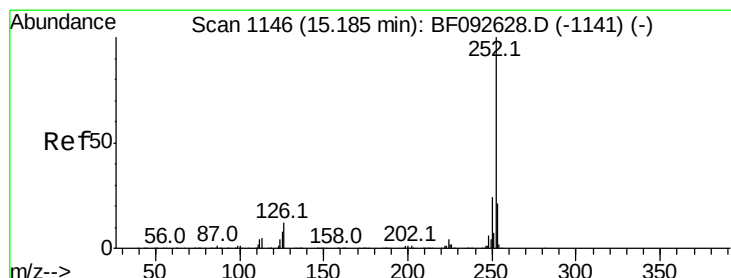
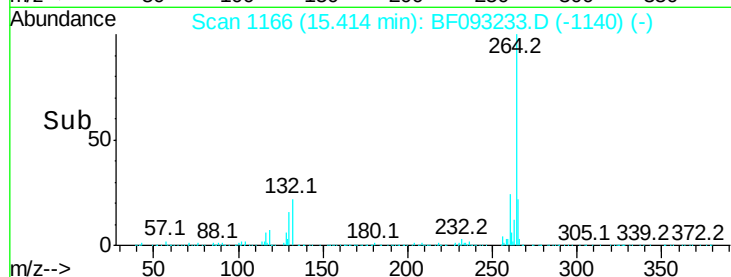
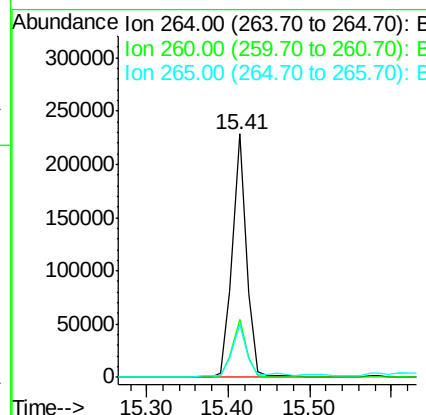
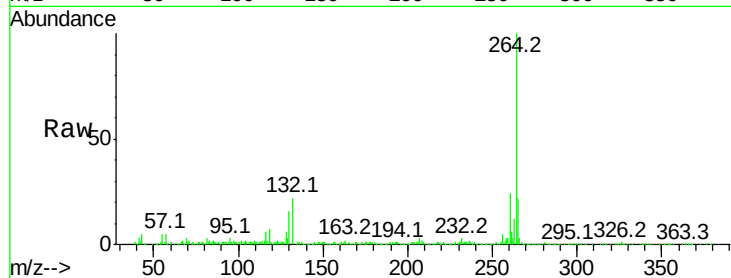
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.0	17.4	26.0

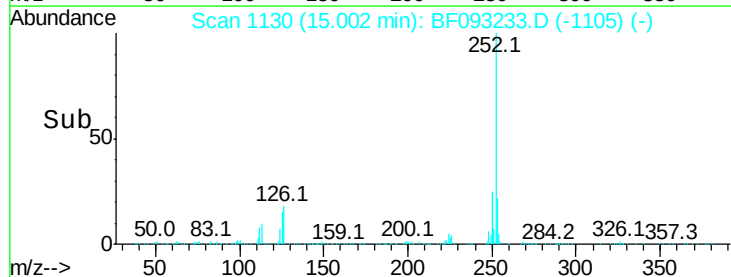
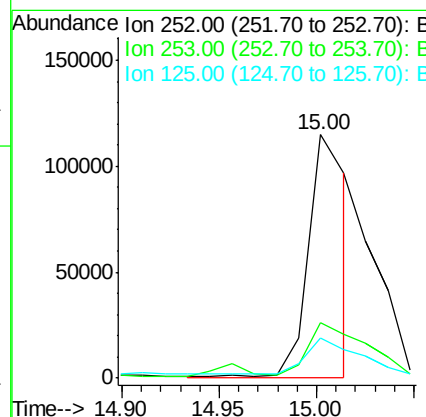
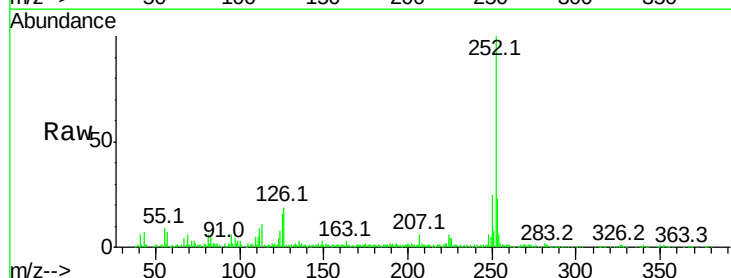
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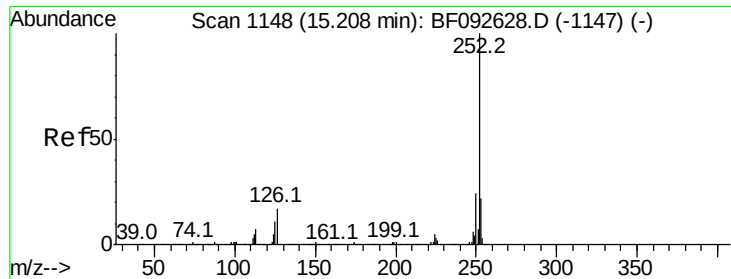
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#87
Benzo(b)fluoranthene
Concen: 8.87 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.01 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	16.2	9.8	14.6





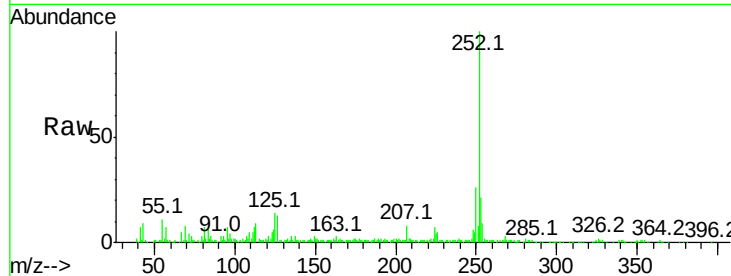
#88
Benzo(k)fluoranthene
Concen: 4.94 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.02 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Instrument :
BNA_F
ClientSampleId :
E2HH8.5-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.5	27.7
125	13.8	8.9	13.3

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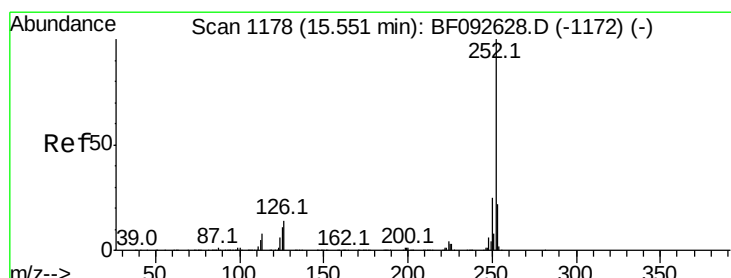
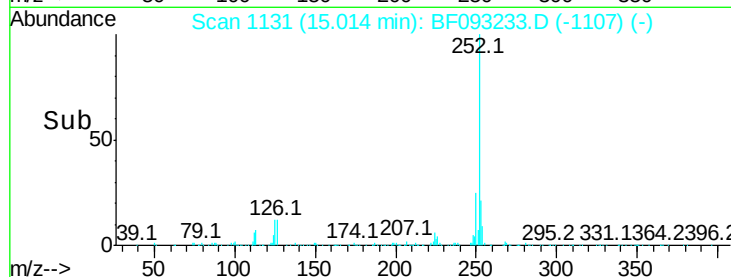
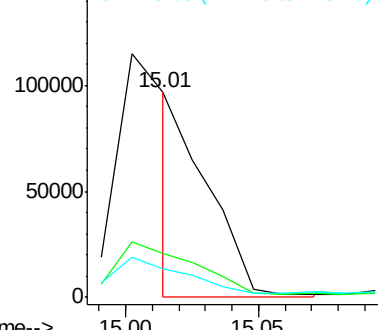


Abundance

Ion 252.00 (251.70 to 252.70): E

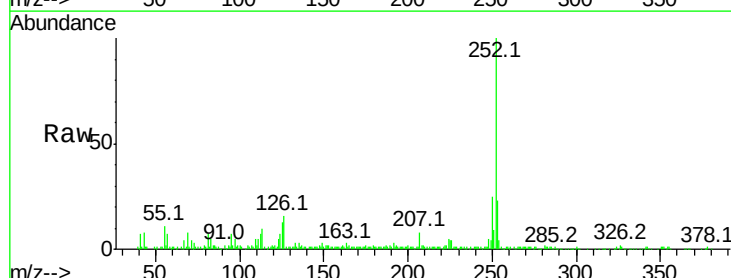
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 7.97 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF093233.D
Acq: 28 Feb 2017 4:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	13.3	10.0	15.0

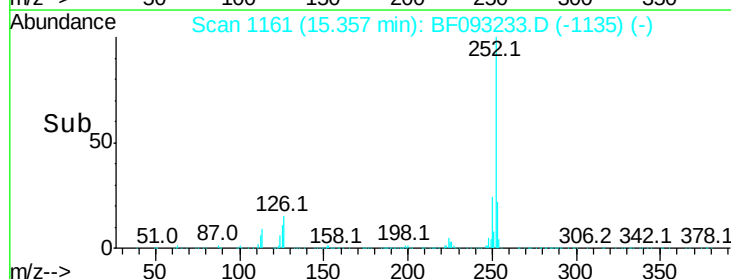
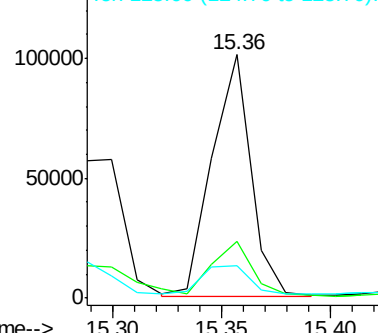


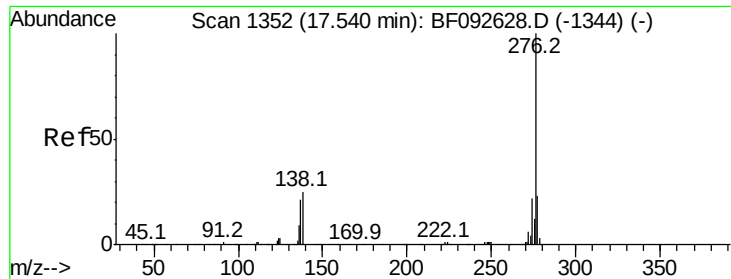
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





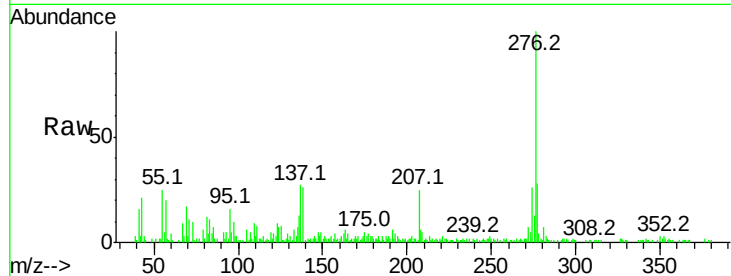
#91
 Benzo(a,h,i)perylene
 Concen: 5.37 ng
 RT: 17.23 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF093233.D
 Acq: 28 Feb 2017 4:27

Instrument :
 BNA_F
 ClientSampleId :
 E2HH8.5-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.8	19.2	28.8
138	26.3	16.0	24.0

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

