

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
 Data File : BF093354.D
 Acq On : 3 Mar 2017 11:06
 Operator : SJ/MA
 Sample : I2056-18
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 17B-20

Manual Integrations
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Quant Time: Mar 03 12:51:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	159846	20.00	ng	-0.06
21) Naphthalene-d8	8.09	136	619777	20.00	ng	-0.06
38) Acenaphthene-d10	9.85	164	317777	20.00	ng	-0.05
63) Phenanthrene-d10	11.33	188	522718	20.00	ng	-0.05
75) Chrysene-d12	13.97	240	329903	20.00	ng	-0.05
86) Perylene-d12	15.40	264	316608	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1004424	107.80	ng	-0.06
7) Phenol-d6	6.45	99	1323091	110.37	ng	-0.03
23) Nitrobenzene-d5	7.37	82	767700	68.98	ng	-0.06
41) 2,4,6-Tribromophenol	10.65	330	234084	101.85	ng	-0.03
44) 2-Fluorobiphenyl	9.17	172	1191611	67.93	ng	-0.05
78) Terphenyl-d14	12.92	244	890259	63.41	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	320679	14.98	ng	100
70) Phenanthrene	11.36	178	347318	11.60	ng	98
71) Anthracene	11.41	178	92626	3.08	ng	99
74) Fluoranthene	12.54	202	438999	14.21	ng	97
77) Pyrene	12.77	202	418015	16.93	ng	99
80) Benzo(a)anthracene	13.96	228	192226m	9.53	ng	
82) Chrysene	14.00	228	197347m	10.45	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	140664	9.61	ng	97
87) Benzo(b)fluoranthene	14.99	252	297375m	14.27	ng	
88) Benzo(k)fluoranthene	15.01	252	61661m	3.43	ng	
89) Benzo(a)pyrene	15.35	252	188158	10.44	ng	# 97
90) Dibenzo(a,h)anthracene	16.80	278	37220	2.55	ng	# 78
91) Benzo(a,h,i)perylene	17.22	276	131651	8.95	ng	# 90

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

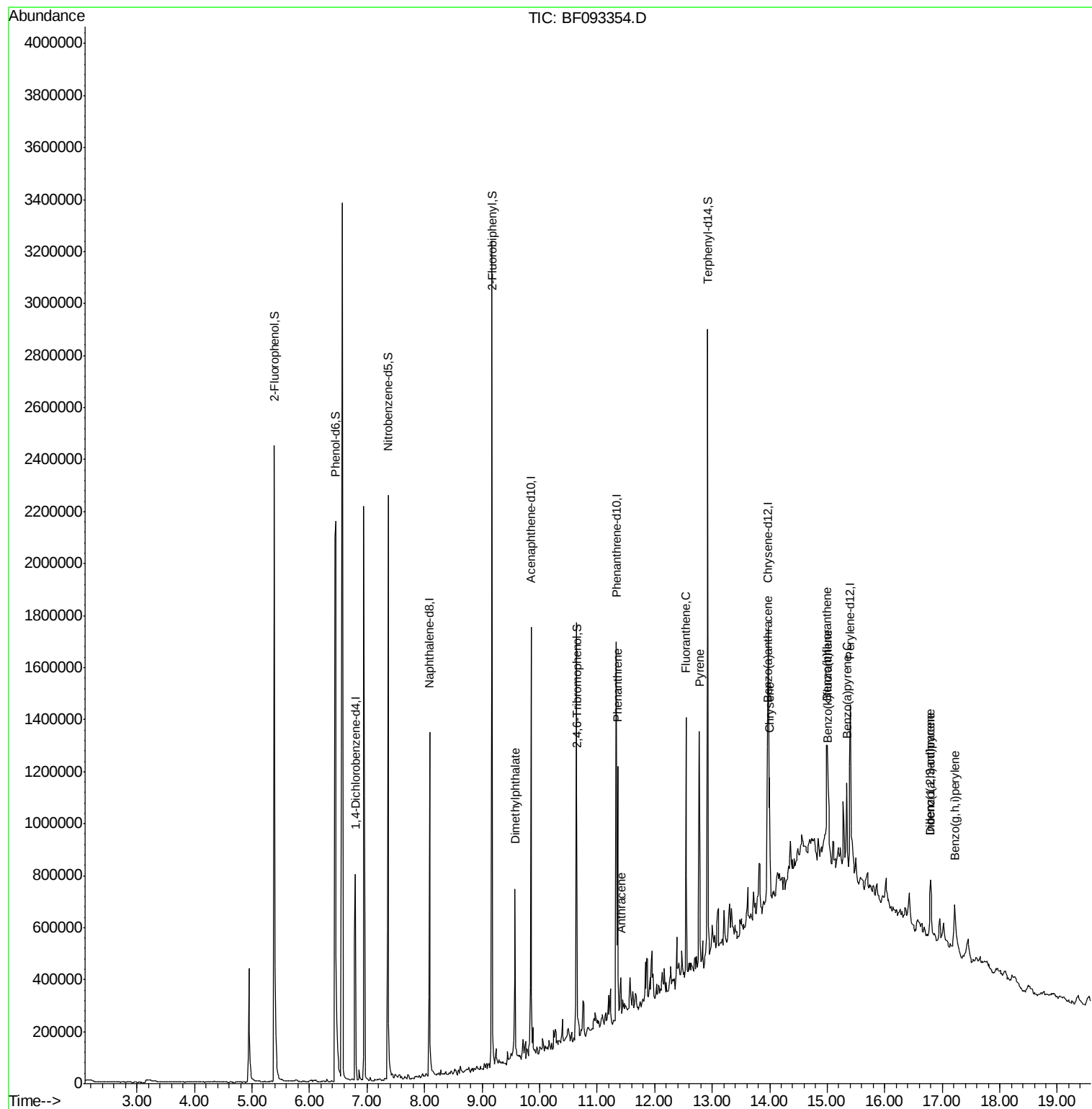
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\
Data File : BF093354.D
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Operator : SJ/MA
Sample : I2056-18
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ALS Vial : 36 Sample Multiplier: 1

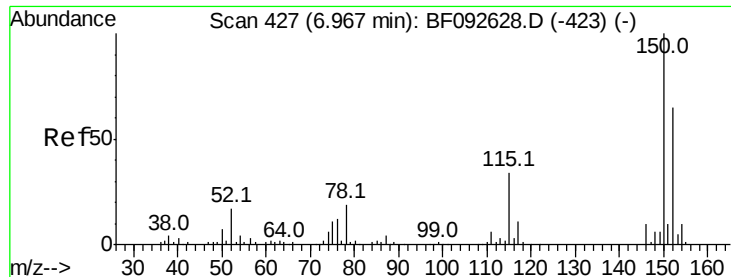
Instrument :
BNA_F
ClientSampleId :
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Quant Time: Mar 03 12:51:50 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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#1

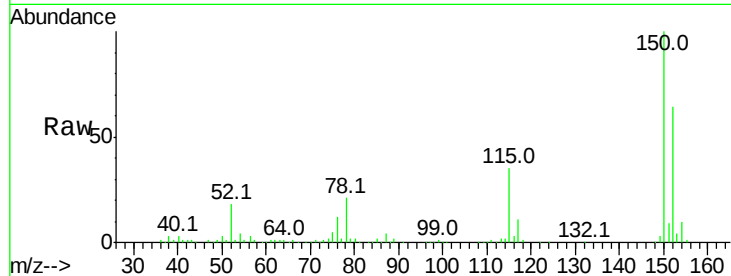
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.06 min
Lab File: BF093354.D
Acq: 3 Mar 2017 11:06

Instrument :
BNA_F
ClientSampleId :
17B-20

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.9	187.3
115	55.0	46.0	69.0

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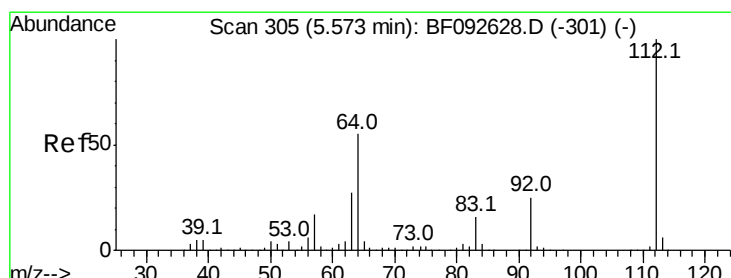
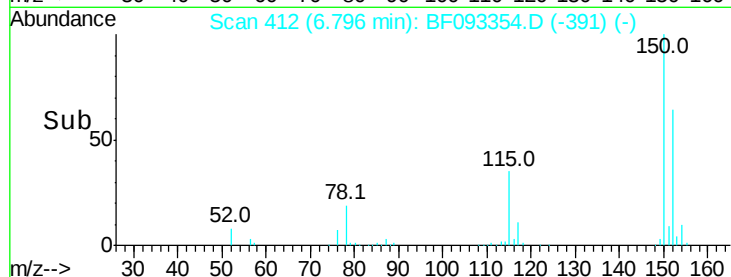
Abundance

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

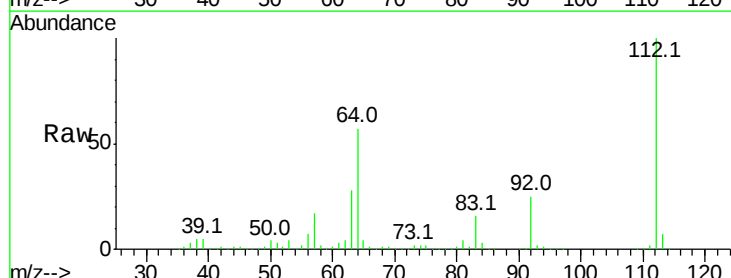
Time-->



#5

2-Fluorophenol
Concen: 107.80 ng
RT: 5.39 min Scan# 289
Delta R.T. -0.06 min
Lab File: BF093354.D
Acq: 3 Mar 2017 11:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.1	69.1
63	28.2	23.8	35.6



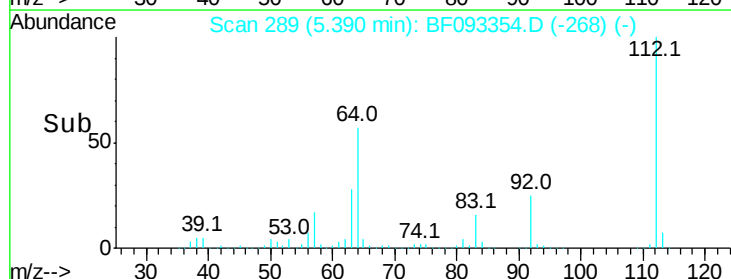
Abundance

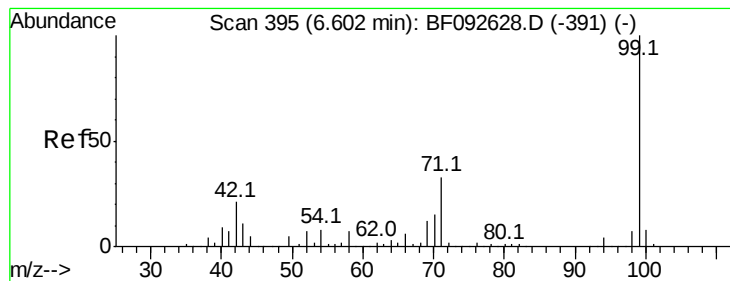
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 110.37 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093354.D

Acq: 3 Mar 2017 11:06

Instrument :

BNA_F

ClientSampleId :

17B-20

Tot Ion: 99 Resp: 1323091

Ion Ratio Lower Upper

99 100

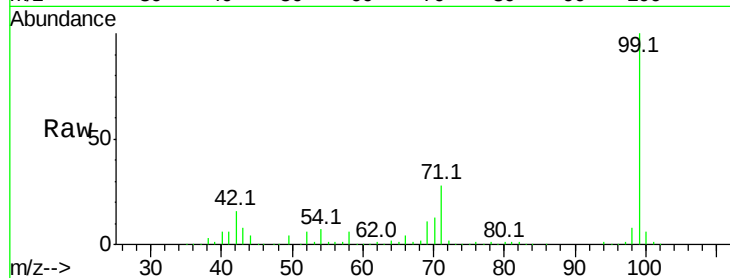
42 16.1 15.6 23.4

71 28.3 27.5 41.3

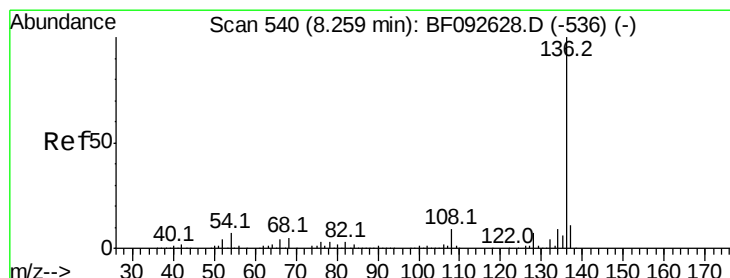
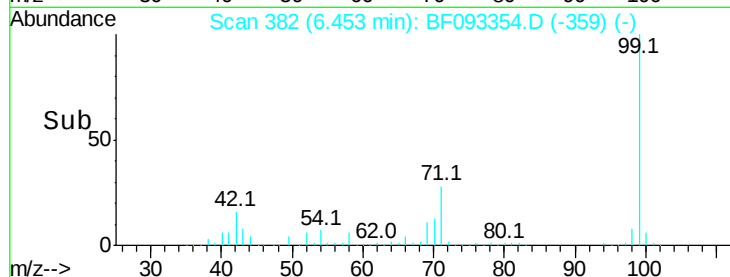
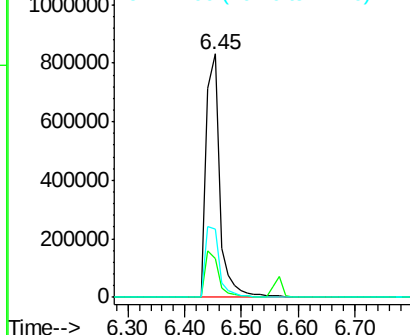
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.06 min

Lab File: BF093354.D

Acq: 3 Mar 2017 11:06

Tgt Ion:136 Resp: 619777

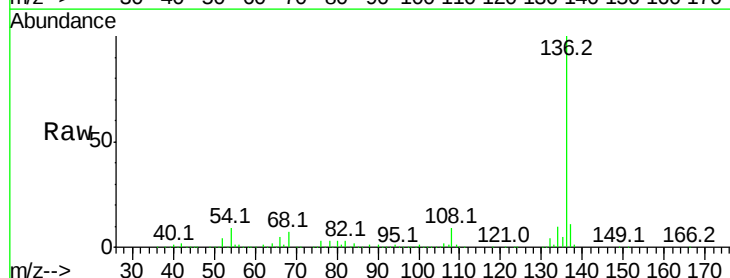
Ion Ratio Lower Upper

136 100

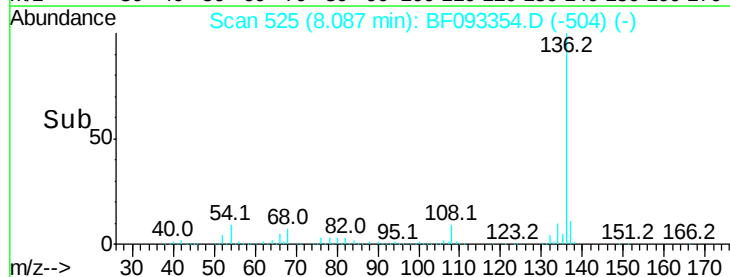
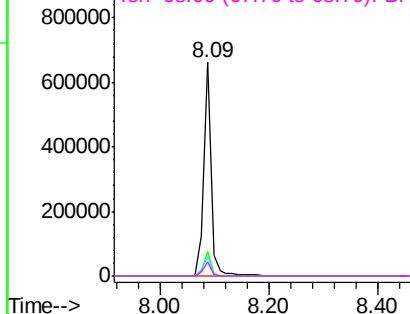
137 11.1 8.4 12.6

54 9.0 4.5 6.7#

68 6.7 3.6 5.4#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





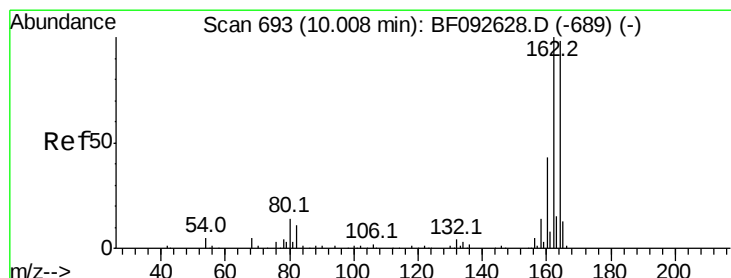
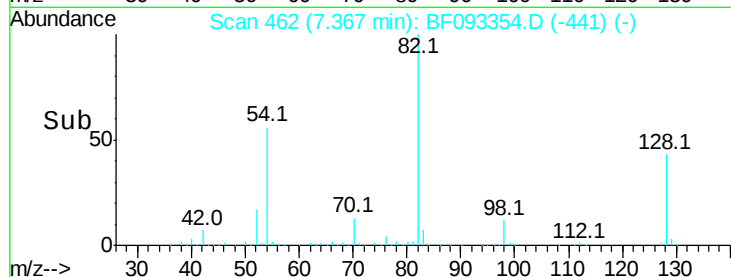
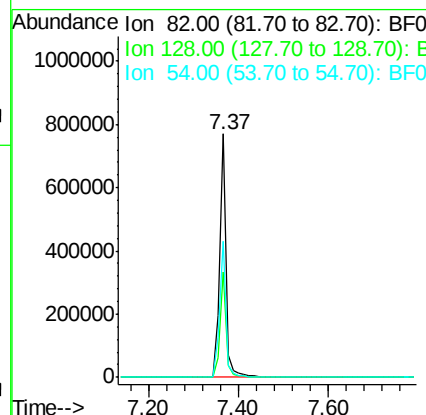
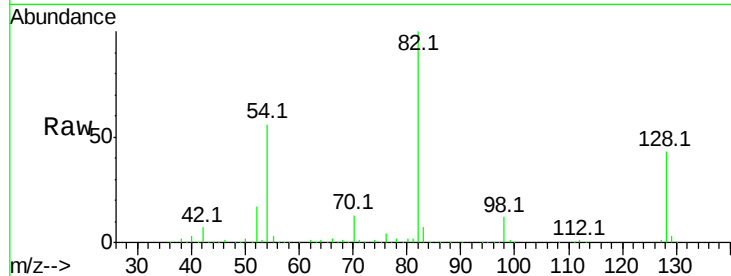
#23
 Nitrobenzene-d5
 Concen: 68.98 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.06 min
 Lab File: BF093354.D
 Acq: 3 Mar 2017 11:06

Instrument :
 BNA_F
 ClientSampled :
 17B-20

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.6	52.0
54	56.0	39.5	59.3

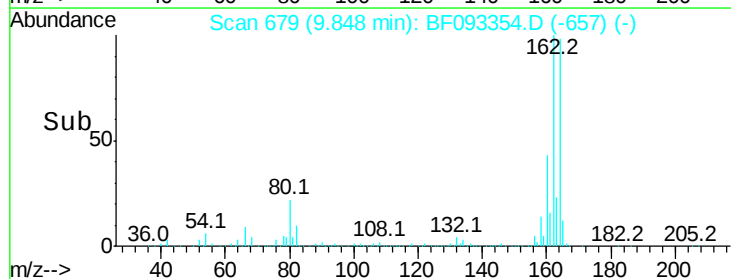
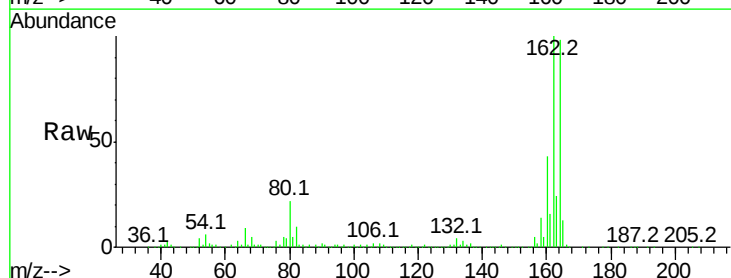
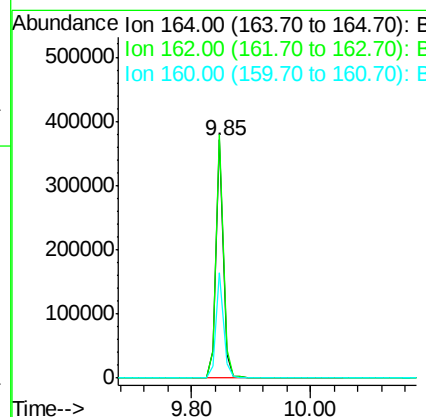
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. -0.05 min
 Lab File: BF093354.D
 Acq: 3 Mar 2017 11:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.2	120.2
160	44.4	36.9	55.3





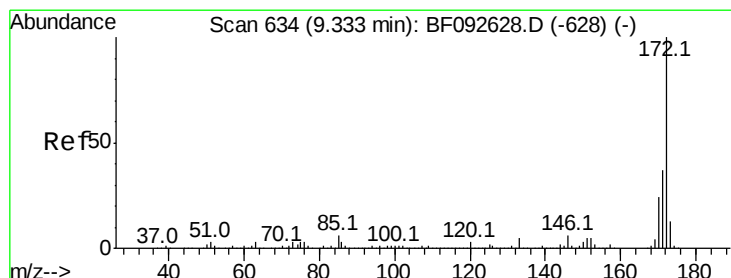
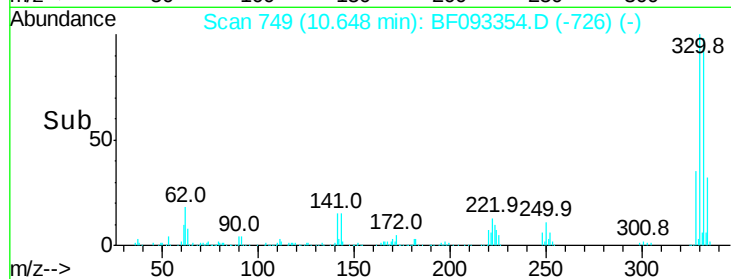
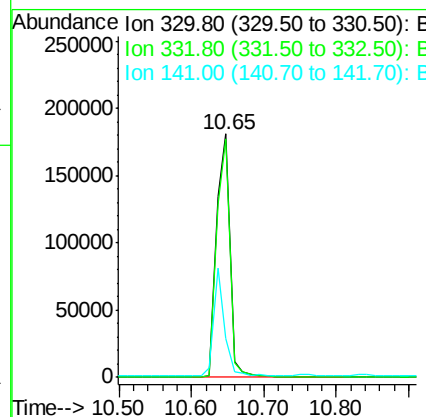
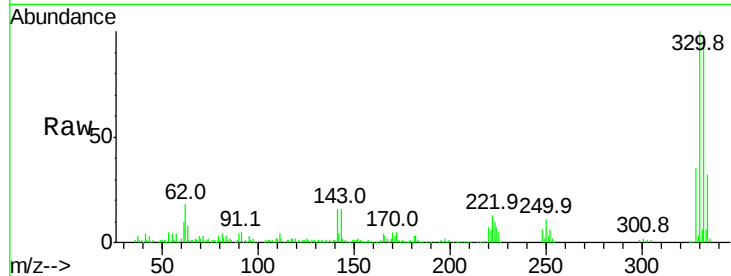
#41
 2,4,6-Tribromophenol
 Concen: 101.85 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093354.D
 Acq: 3 Mar 2017 11:06

Instrument :
 BNA_F
 ClientSampleId :
 17B-20

Tot Ion	Ratio	Resp	Lower	Upper
330	100	234084		
332	96.9		77.4	116.2
141	35.2		34.1	51.1

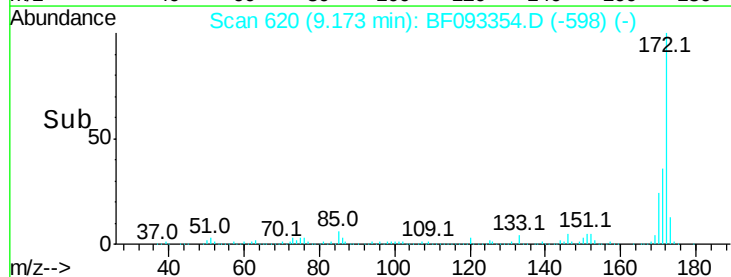
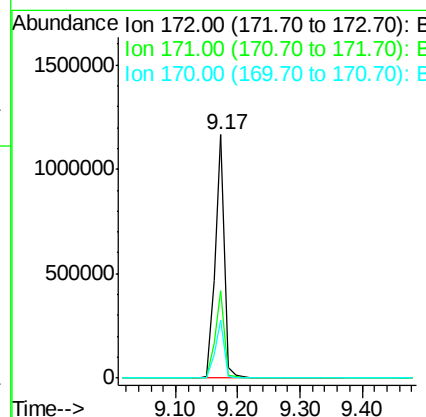
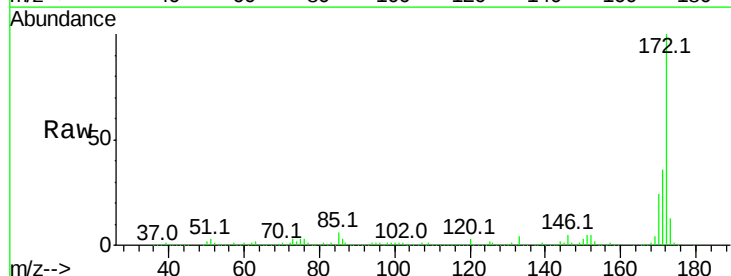
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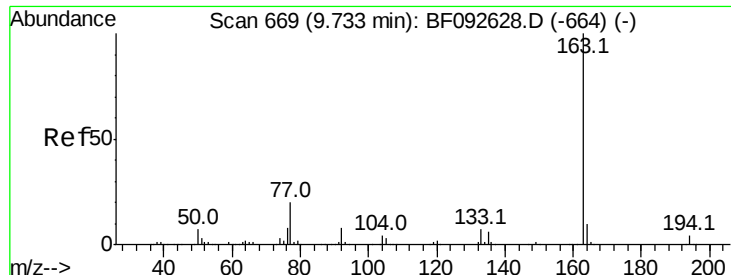
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#44
 2-Fluorobiphenyl
 Concen: 67.93 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.05 min
 Lab File: BF093354.D
 Acq: 3 Mar 2017 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1191611		
171	36.2		29.4	44.0
170	23.7		20.2	30.4





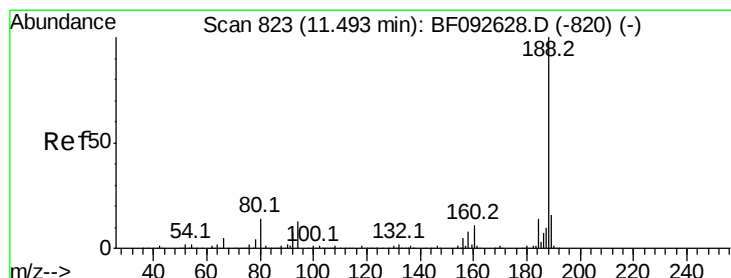
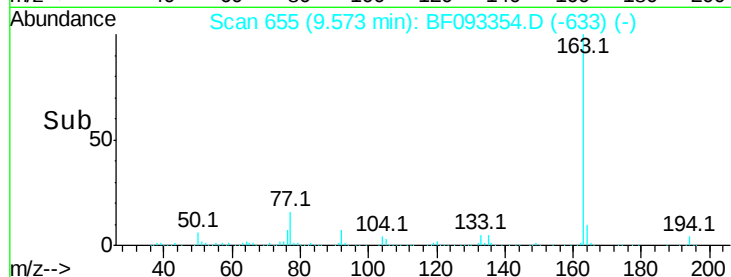
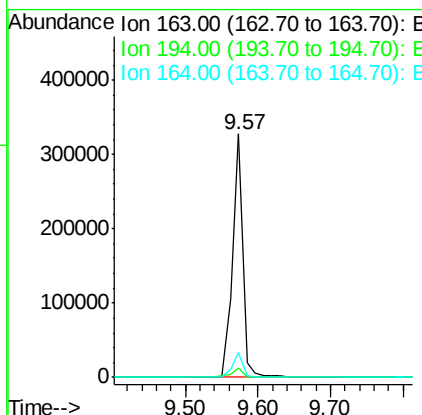
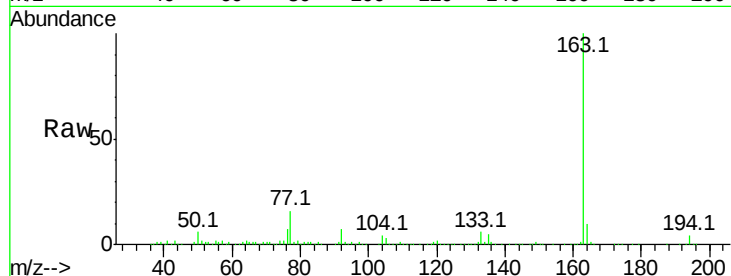
#49
Dimethylphthalate
Concen: 14.98 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.05 min
Lab File: BF093354.D
Acq: 3 Mar 2017 11:06

Instrument :
BNA_F
ClientSampleId :
17B-20

Tot Ion	Ratio	Resp	Lower	Upper
163	100	320679		
194	3.9		3.0	4.4
164	9.9		8.0	12.0

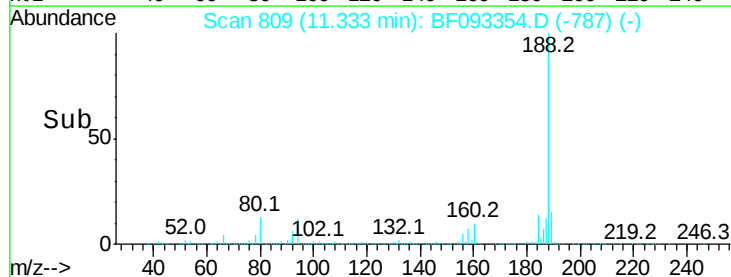
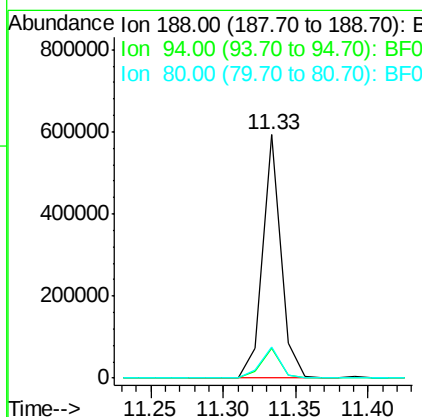
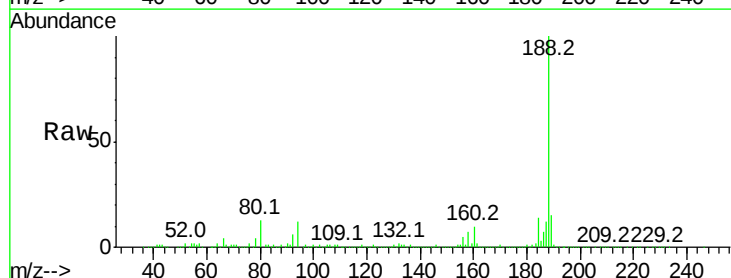
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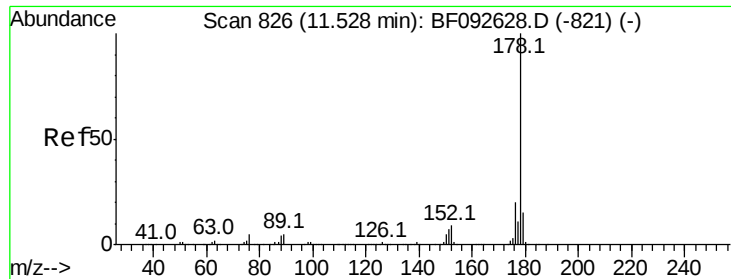
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. -0.05 min
Lab File: BF093354.D
Acq: 3 Mar 2017 11:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	522718		
94	12.2		10.0	15.0
80	12.8		11.2	16.8





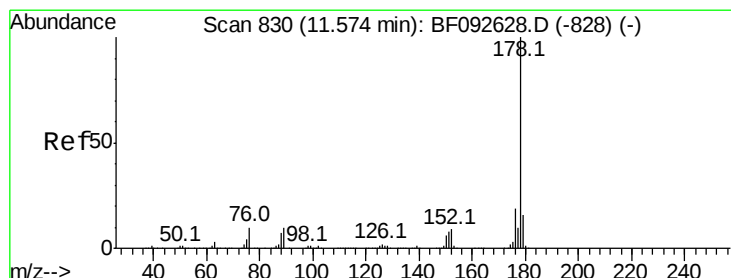
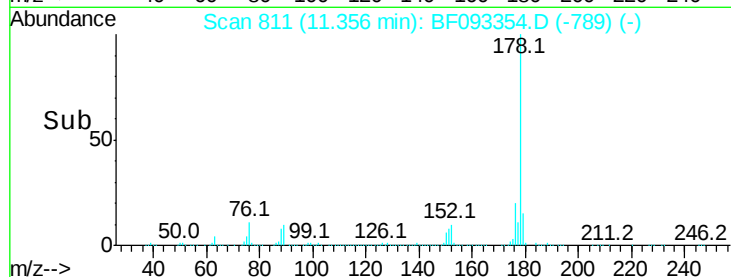
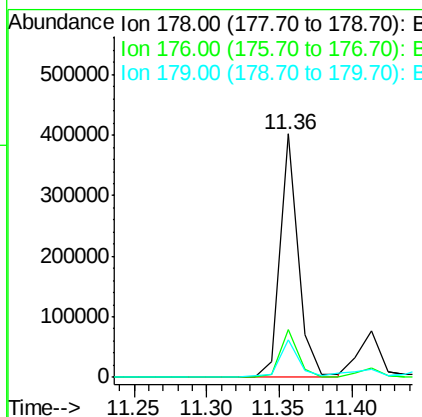
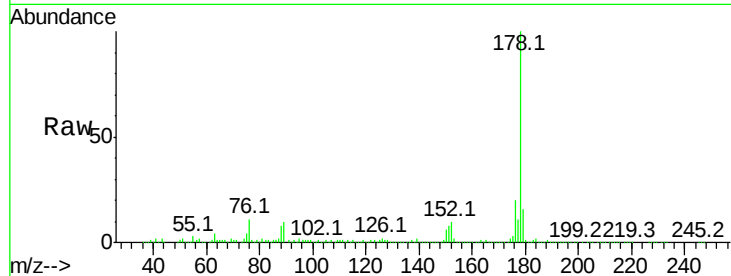
#70
Phenanthrene
Concen: 11.60 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.05 min
Lab File: BF093354.D
Acq: 3 Mar 2017 11:06

Instrument :
BNA_F
ClientSampled :
17B-20

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	25.0
179	15.6	12.8	19.2

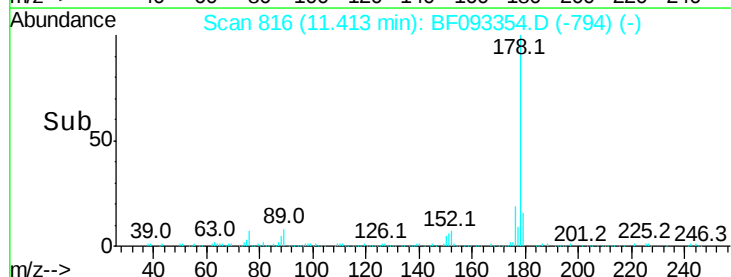
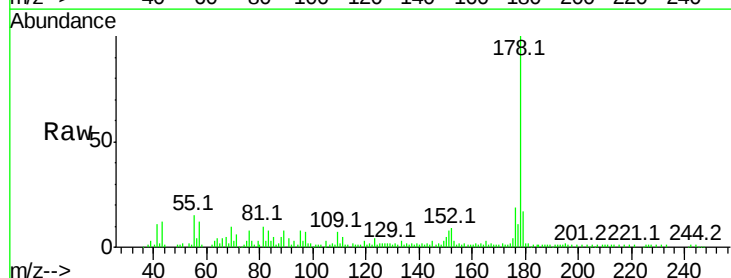
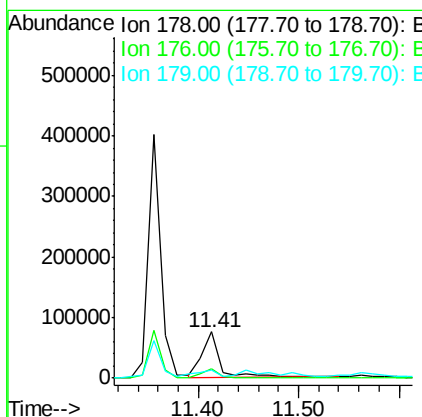
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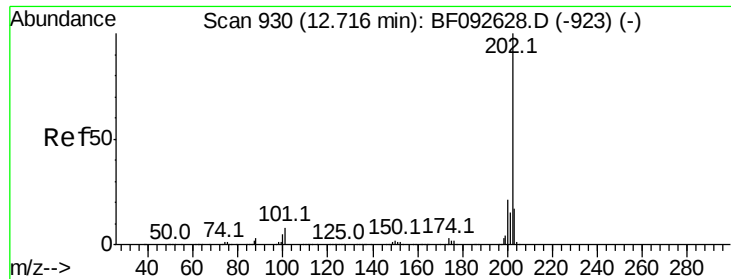
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#71
Anthracene
Concen: 3.08 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.05 min
Lab File: BF093354.D
Acq: 3 Mar 2017 11:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	17.0	13.2	19.8





#74

Fluoranthene

Concen: 14.21 ng

RT: 12.54 min Scan# 915

Delta R.T. -0.05 min

Lab File: BF093354.D

Acq: 3 Mar 2017 11:06

Instrument :

BNA_F

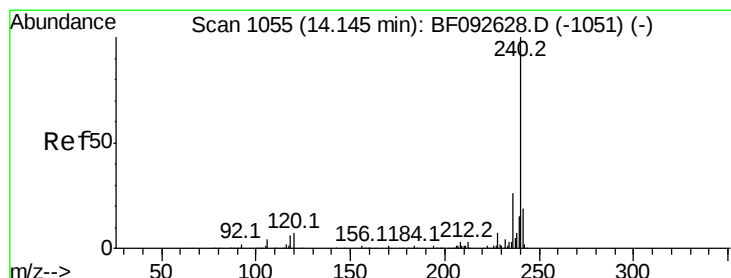
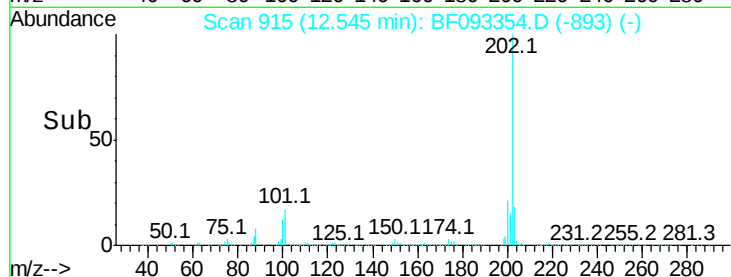
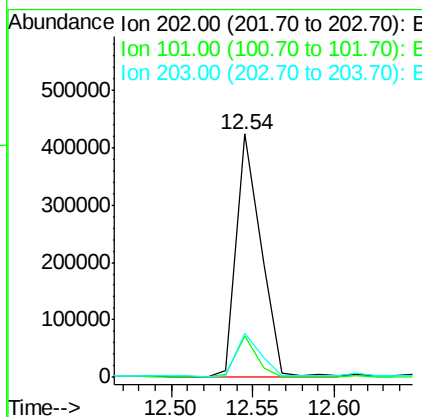
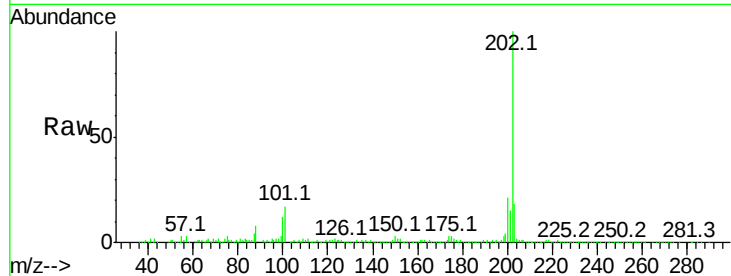
ClientSampled :

17B-20

Tot Ion:	202	Resp:	438999
Ion Ratio	Lower	Upper	
202	100		
101	17.1	0.0	34.6
203	18.2	0.0	38.7

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

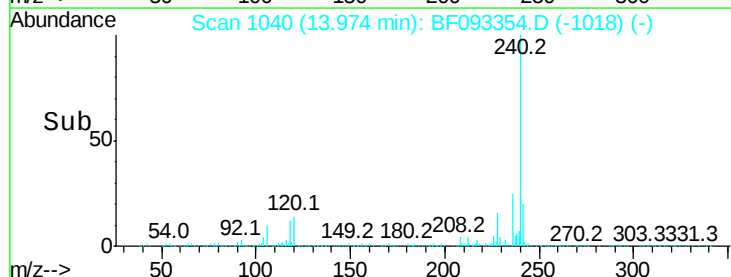
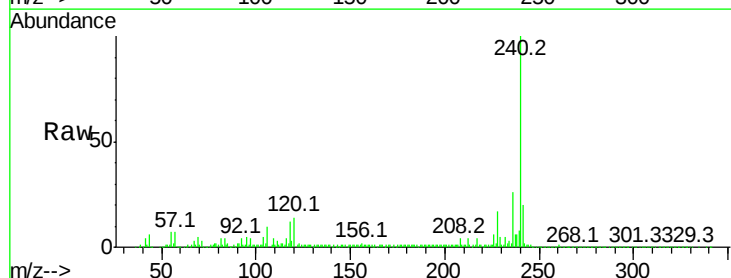
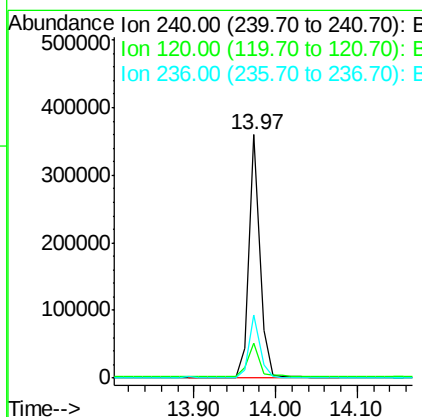
RT: 13.97 min Scan# 1040

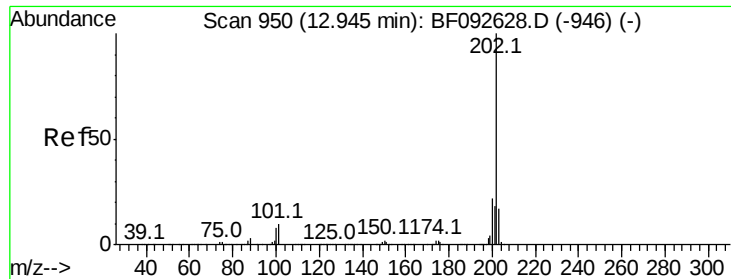
Delta R.T. -0.05 min

Lab File: BF093354.D

Acq: 3 Mar 2017 11:06

Tgt Ion:	240	Resp:	329903
Ion Ratio	Lower	Upper	
240	100		
120	14.2	12.9	19.3
236	25.9	20.9	31.3





#77

Pvrene

Concen: 16.93 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF093354.D

Acq: 3 Mar 2017 11:06

Instrument :

BNA_F

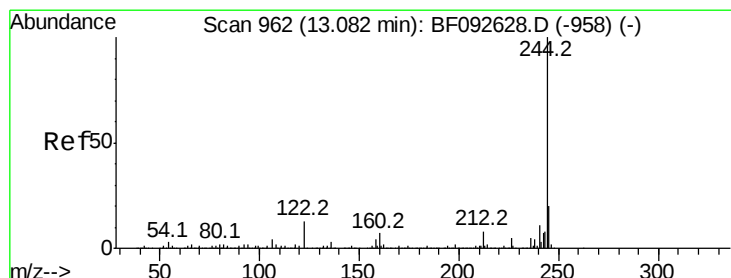
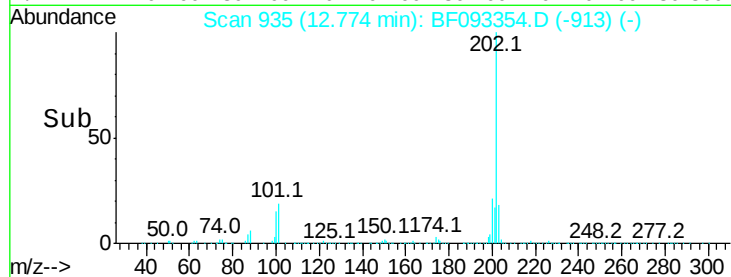
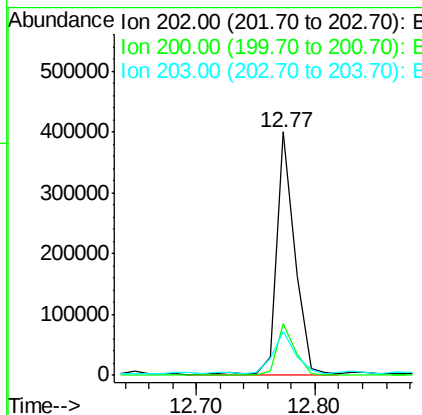
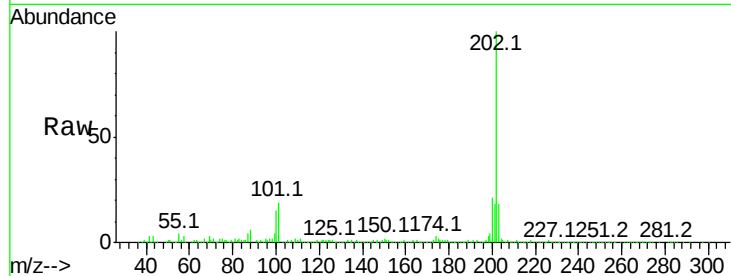
ClientSampled :

17B-20

Tot Ion:	202	Resp:	418015
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	18.0	14.7	22.1

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#78

Terphenyl-d14

Concen: 63.41 ng

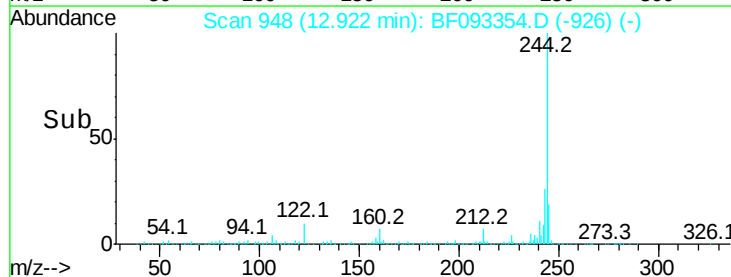
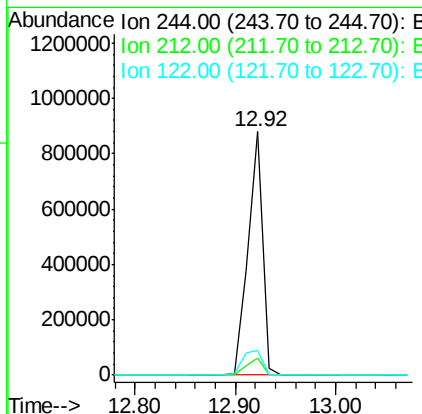
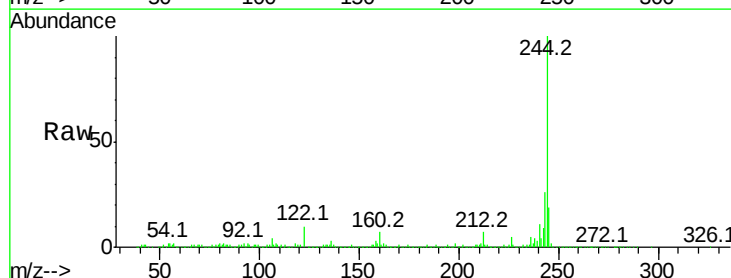
RT: 12.92 min Scan# 948

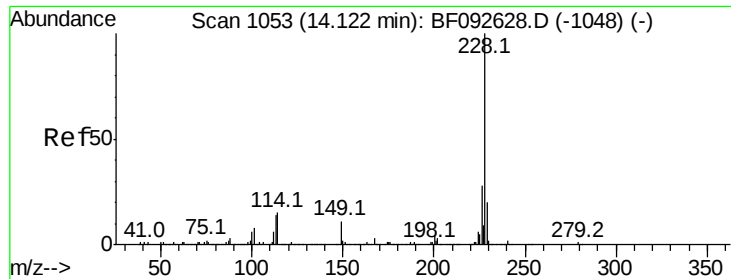
Delta R.T. -0.05 min

Lab File: BF093354.D

Acq: 3 Mar 2017 11:06

Tgt Ion:	244	Resp:	890259
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.2	9.2
122	10.3	11.4	17.2#





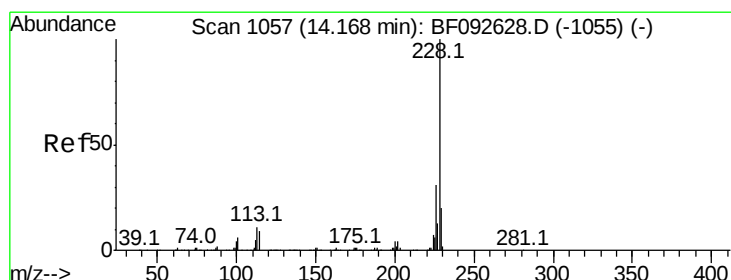
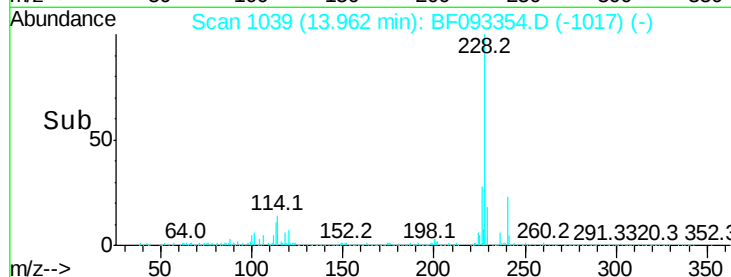
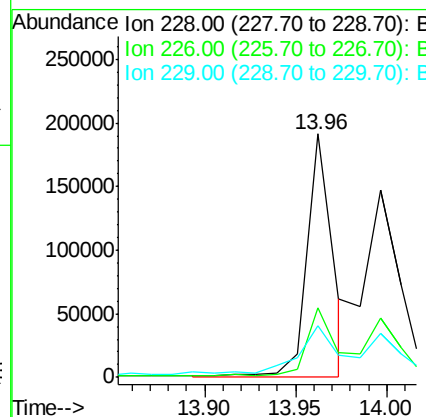
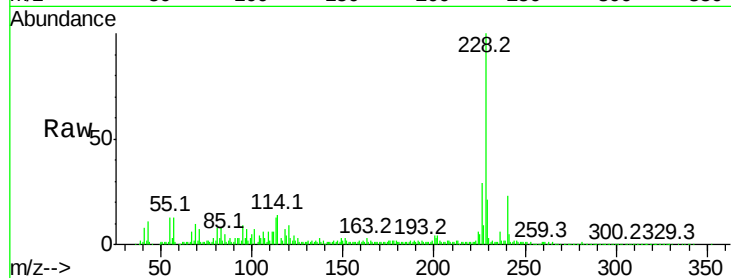
#80
Benzo(a)anthracene
Concen: 9.53 ng m
RT: 13.96 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF093354.D
Acq: 3 Mar 2017 11:06

Instrument :
BNA_F
ClientSampled :
17B-20

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.4	33.6
229	21.0	16.2	24.4

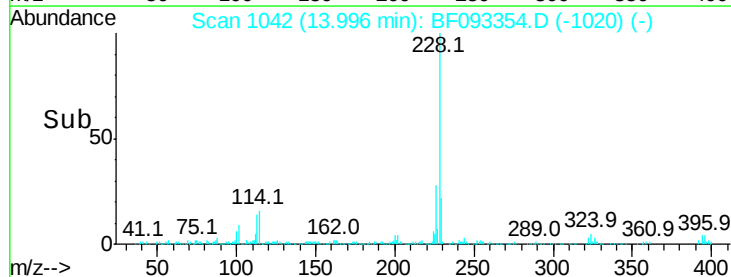
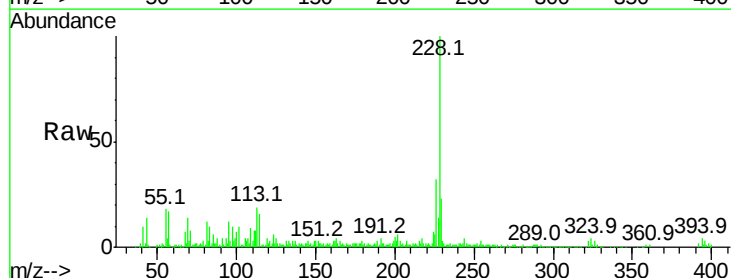
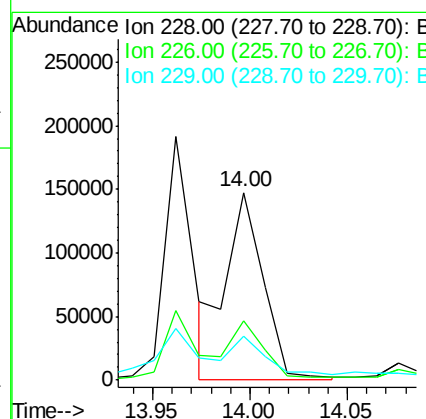
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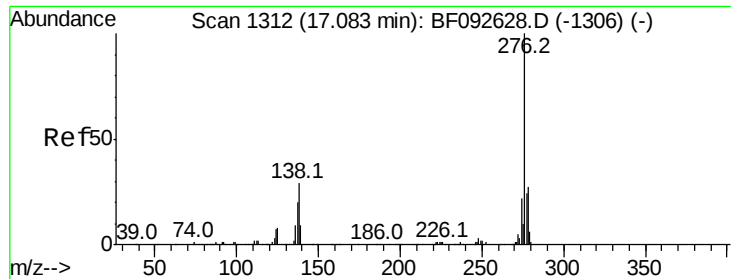
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#82
Chrysene
Concen: 10.45 ng m
RT: 14.00 min Scan# 1042
Delta R.T. -0.05 min
Lab File: BF093354.D
Acq: 3 Mar 2017 11:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.4	38.0
229	23.4	16.2	24.2





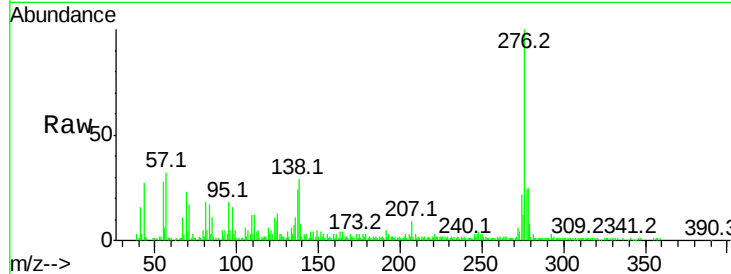
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.61 ng
 RT: 16.80 min Scan# 1287
 Delta R.T. -0.06 min
 Lab File: BF093354.D
 Acq: 3 Mar 2017 11:06

Instrument :
 BNA_F
 ClientSampled :
 17B-20

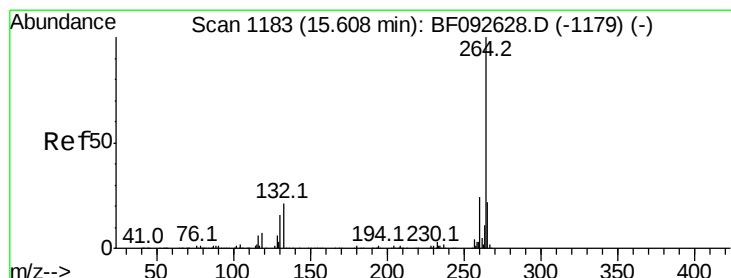
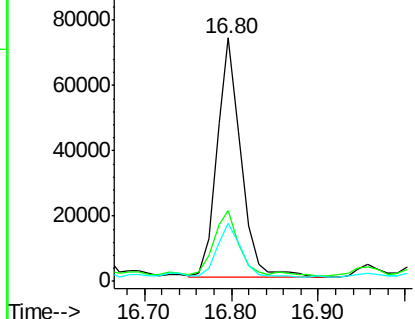
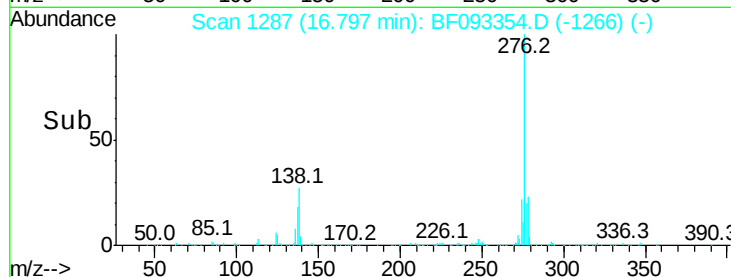
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.5	21.8	32.6
277	23.0	20.2	30.4

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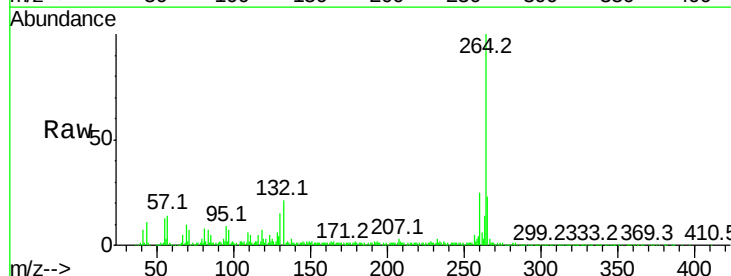


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

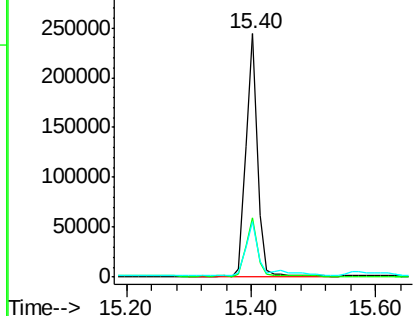
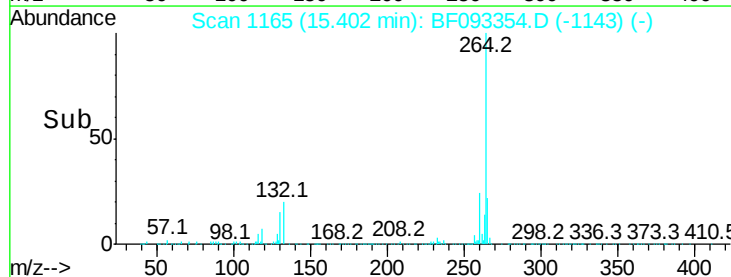


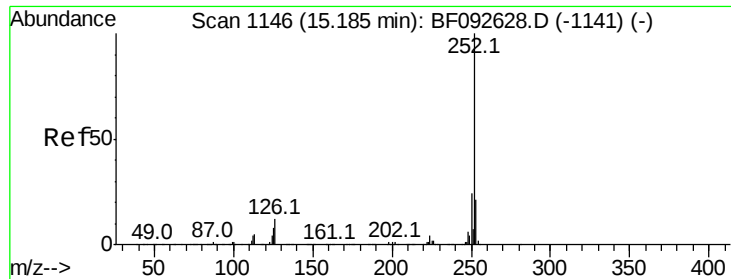
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.05 min
 Lab File: BF093354.D
 Acq: 3 Mar 2017 11:06

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.7	17.4	26.0



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 14.27 ng m

RT: 14.99 min Scan# 1129

Delta R.T. -0.05 min

Lab File: BF093354.D

Acq: 3 Mar 2017 11:06

Instrument :

BNA_F

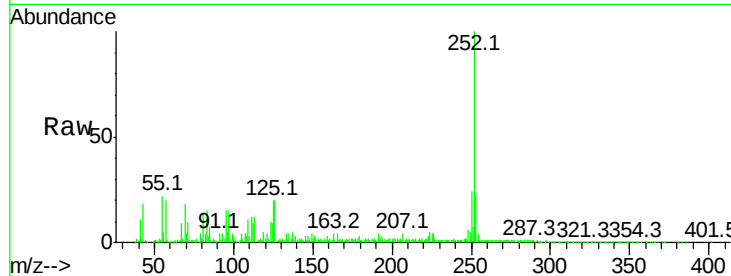
ClientSampleId :

17B-20

Tot Ion	Ratio	Resp	Lower	Upper
252	100	297375		
253	23.2		18.2	27.4
125	19.7		9.8	14.6#

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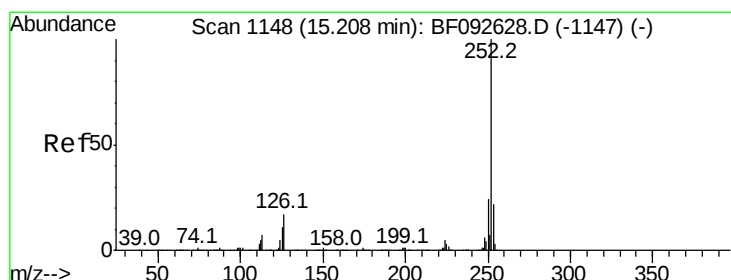
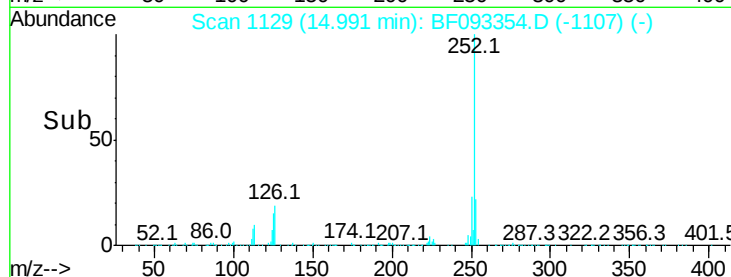
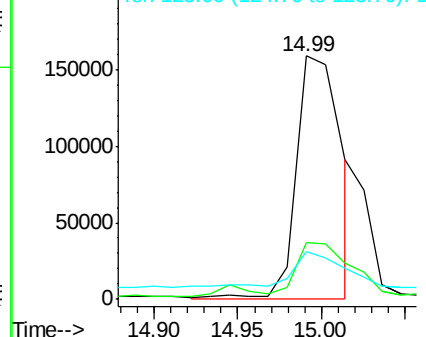
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.43 ng m

RT: 15.01 min Scan# 1131

Delta R.T. -0.06 min

Lab File: BF093354.D

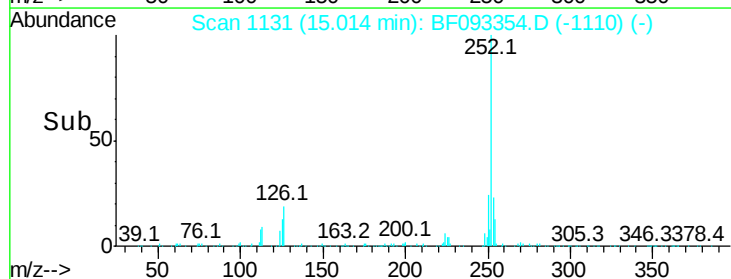
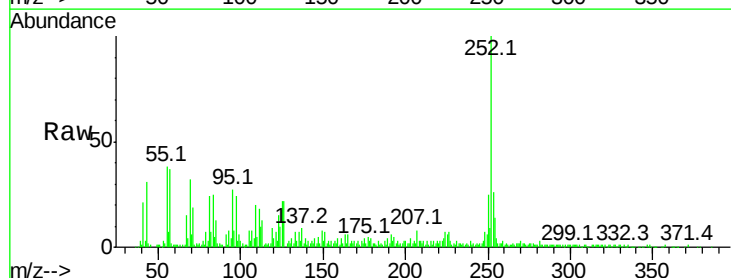
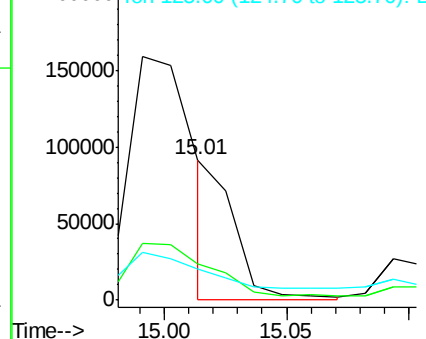
Acq: 3 Mar 2017 11:06

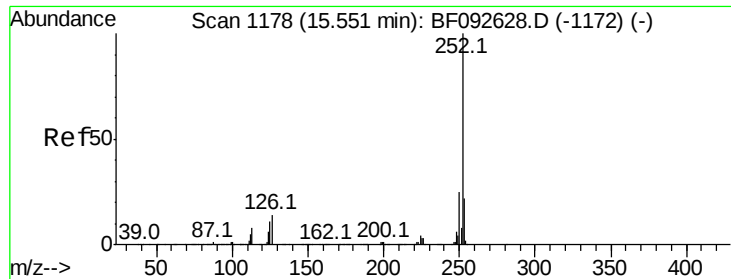
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	61661		
253	25.7		18.5	27.7
125	22.1		8.9	13.3#

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: 10.44 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.05 min

Lab File: BF093354.D

Acq: 3 Mar 2017 11:06

Instrument :

BNA_F

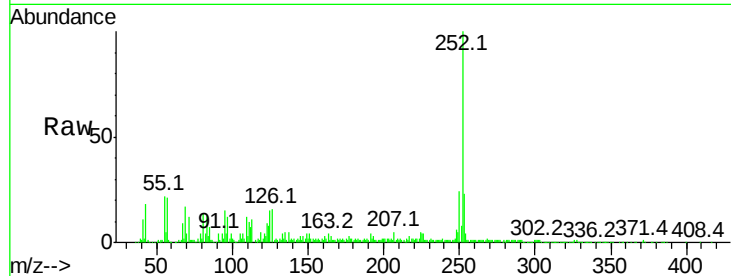
ClientSampleId :

17B-20

Tot Ion:	252	Resp:	188158
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	15.3	10.0	15.0#

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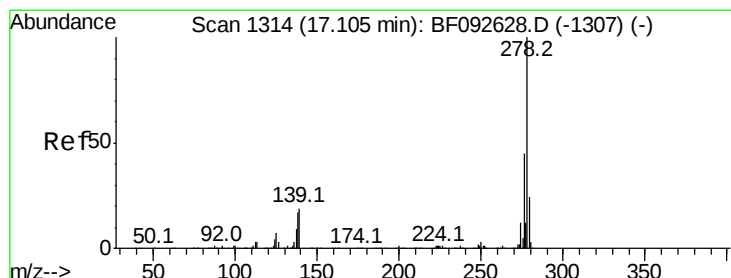
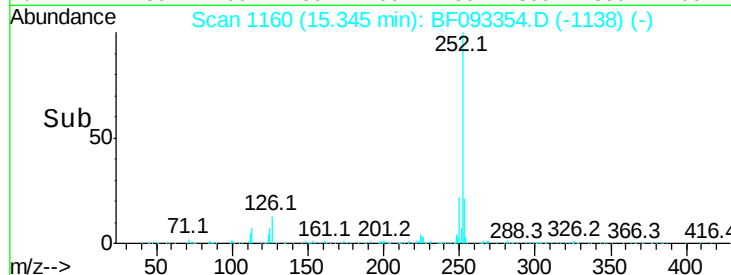
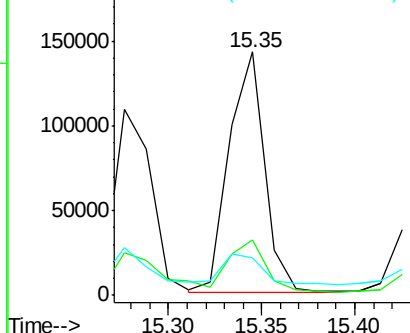


Abundance

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



#90

Dibenzo(a,h)anthracene

Concen: 2.55 ng

RT: 16.80 min Scan# 1287

Delta R.T. -0.07 min

Lab File: BF093354.D

Acq: 3 Mar 2017 11:06

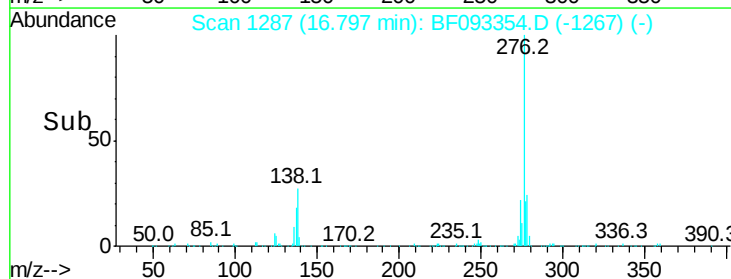
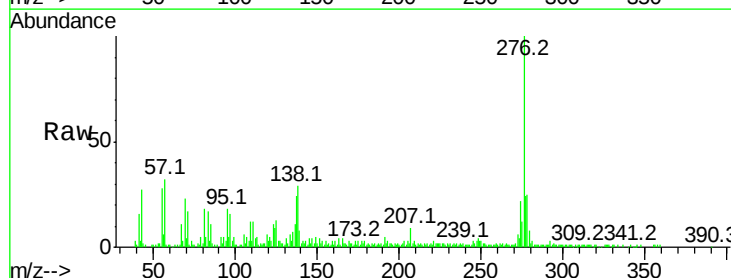
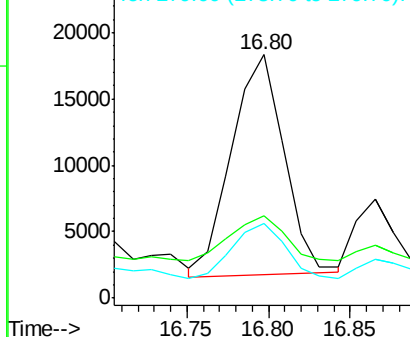
Tgt Ion:	278	Resp:	37220
Ion Ratio	Lower	Upper	
278	100		
139	33.8	14.8	22.2#
279	30.7	19.8	29.6#

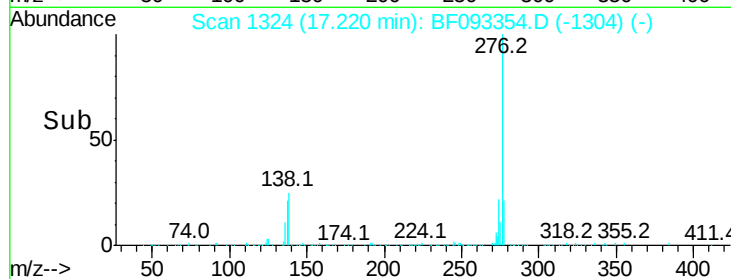
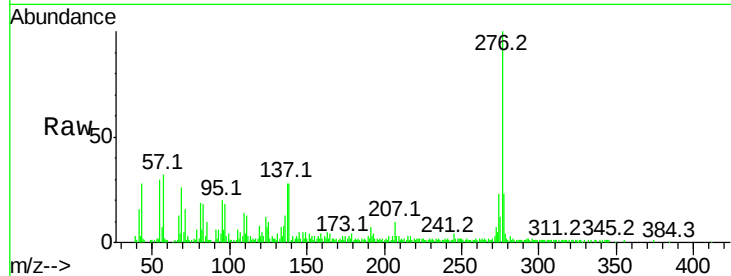
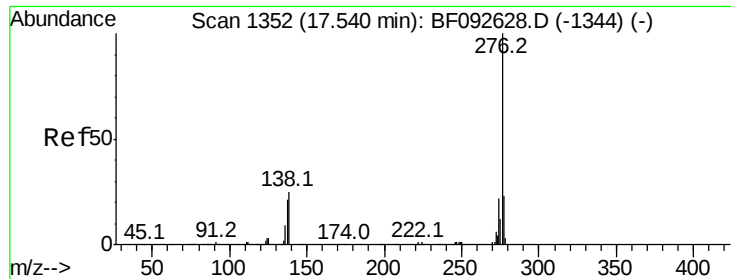
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 8.95 ng
 RT: 17.22 min Scan# 1324
 Delta R.T. -0.07 min
 Lab File: BF093354.D
 Acq: 3 Mar 2017 11:06

Instrument :
 BNA_F
 ClientSampleId :
 17B-20

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	22.7	19.2	28.8
138	28.2	16.0	24.0

Manual Integrations
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