

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093225.D
 Acq On : 28 Feb 2017 00:46
 Operator : SJ/MA
 Sample : I1996-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5D-SWW

Manual Integrations
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Quant Time: Feb 28 01:30:38 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	167667	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	655310	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	299873	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	489688	20.00	ng	0.00
75) Chrysene-d12	13.99	240	328489	20.00	ng	0.00
86) Perylene-d12	15.41	264	299997	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1021264	104.50	ng	0.01
7) Phenol-d6	6.46	99	1278233	101.65	ng	-0.01
23) Nitrobenzene-d5	7.39	82	844805	71.79	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	197913	91.25	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1332386	80.50	ng	0.00
78) Terphenyl-d14	12.93	244	894824	64.01	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.72	152	98059	3.34	ng	99
49) Dimethylphthalate	9.57	163	397708	19.69	ng	99
51) Acenaphthene	9.89	154	82723	4.72	ng	94
54) Dibenzofuran	10.06	168	91653	3.91	ng	# 90
57) Fluorene	10.41	166	132894m	7.36	ng	
70) Phenanthrene	11.37	178	1494846	53.28	ng	99
71) Anthracene	11.42	178	471430	16.73	ng	97
72) Carbazole	11.57	167	153531	5.70	ng	99
74) Fluoranthene	12.57	202	2110564	72.93	ng	95
77) Pyrene	12.80	202	1825318	74.25	ng	99
80) Benzo(a)anthracene	13.97	228	947060	47.14	ng	97
82) Chrysene	14.01	228	677014	35.99	ng	96
83) Bis(2-ethylhexyl)phthalate	13.96	149	72162	5.29	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.82	276	363486	24.95	ng	96
87) Benzo(b)fluoranthene	15.01	252	966590m	48.95	ng	
88) Benzo(k)fluoranthene	15.04	252	288925m	16.95	ng	
89) Benzo(a)pyrene	15.36	252	660196	38.65	ng	# 96
90) Dibenzo(a,h)anthracene	16.82	278	115894m	8.40	ng	
91) Benzo(a,h,i)perylene	17.23	276	344329	24.69	ng	# 88

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

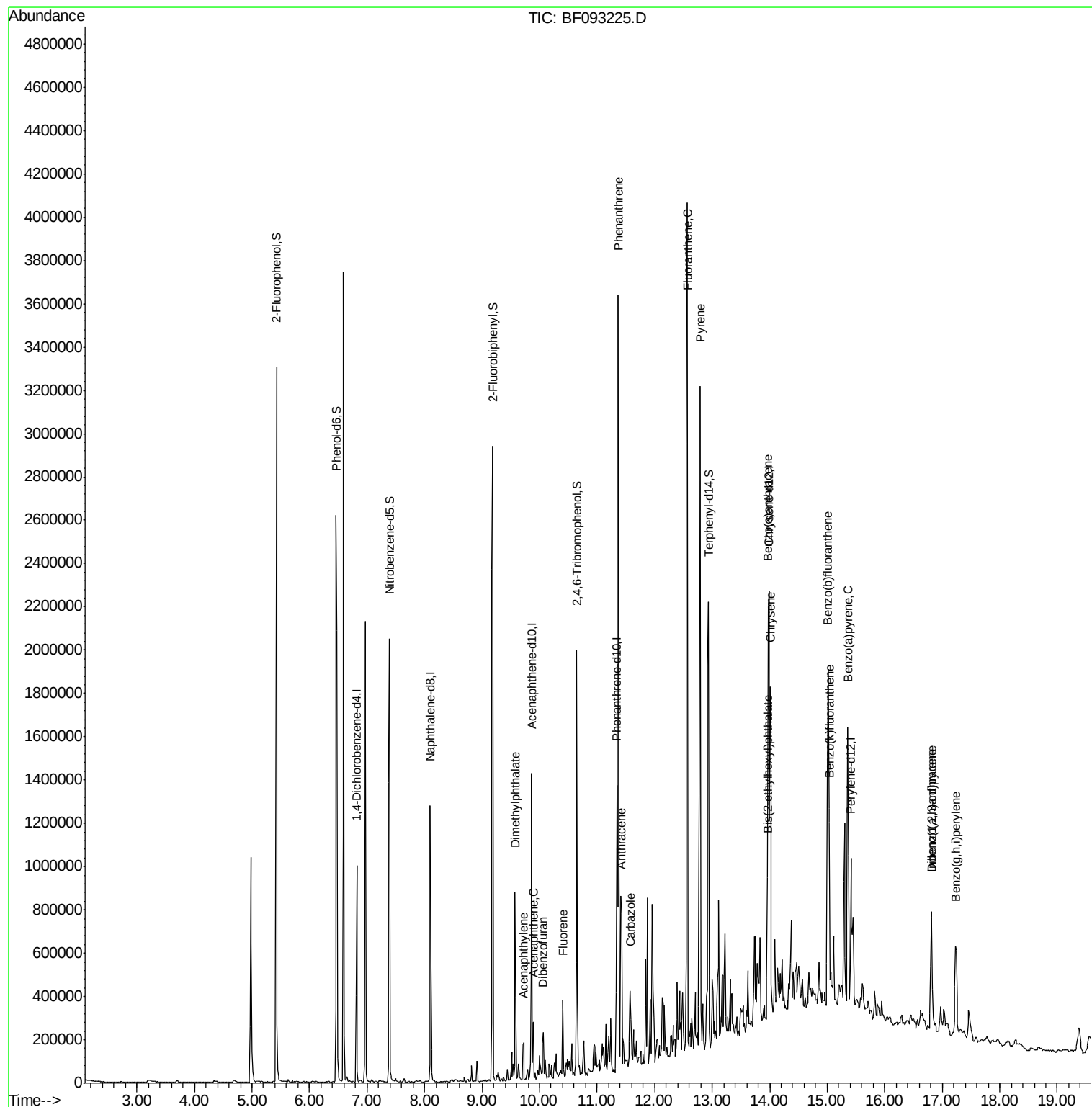
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093225.D
Acq On : 28 Feb 2017 00:46
Operator : SJ/MA
Sample : I1996-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

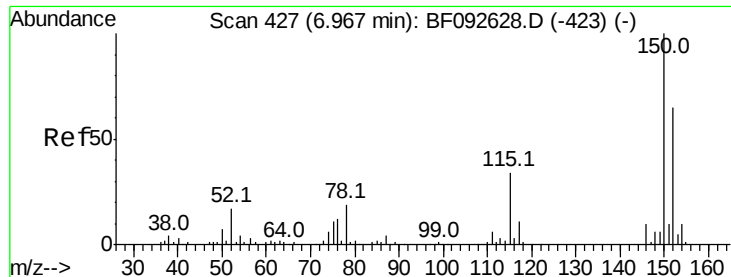
Instrument :
BNA_F
ClientSampleId :
E2-AA5D-SWW

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

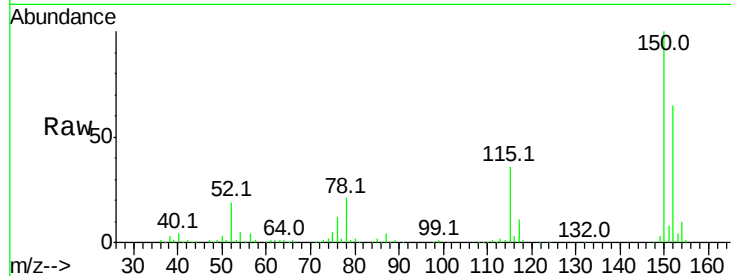
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Instrument :
BNA_F
ClientSampleId :
E2-AA5D-SWW

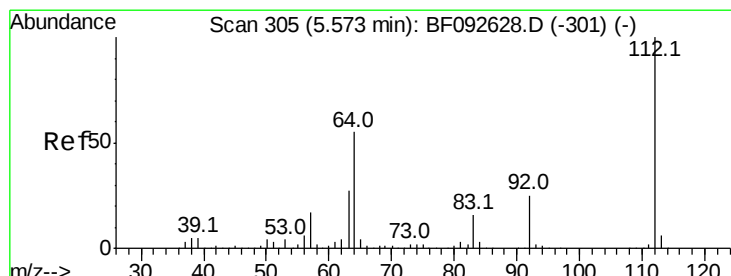
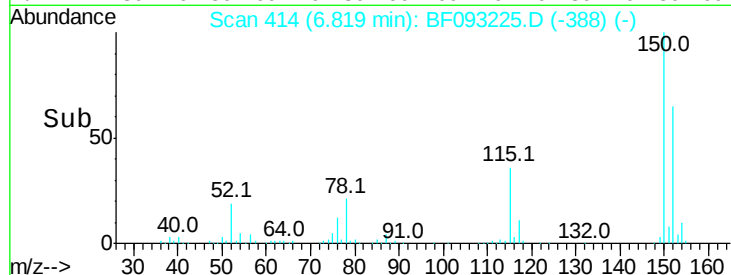
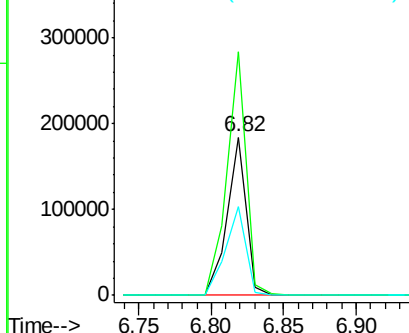
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.9	187.3
115	56.1	46.0	69.0

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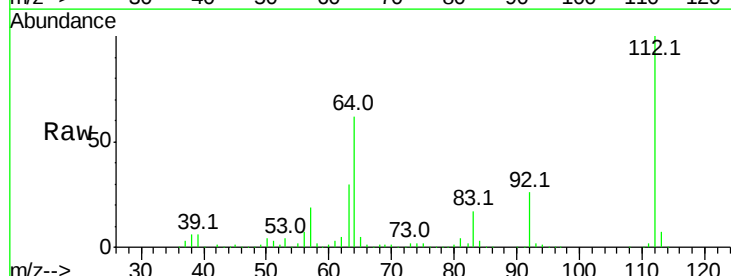
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



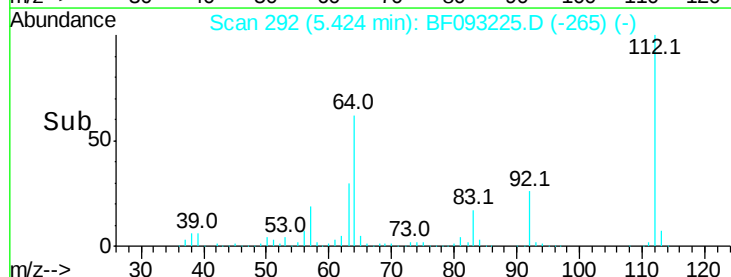
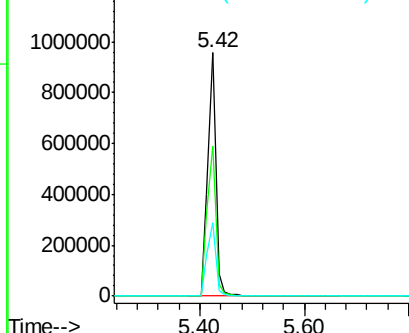
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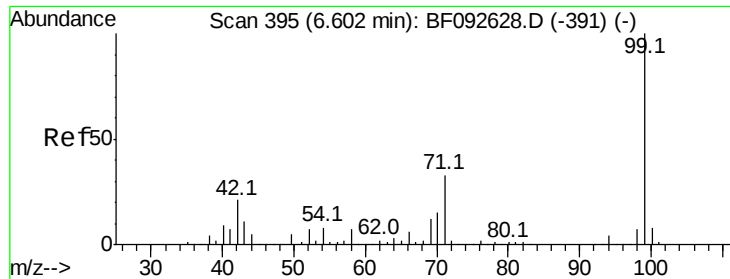
2-Fluorophenol
Concen: 104.50 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.6	46.1	69.1
63	30.4	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: 101.65 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

ClientSampleId :

E2-AA5D-SWW

Tot Ion: 99 Resp: 1278233

Ion Ratio Lower Upper

99 100

42 21.3 15.6 23.4

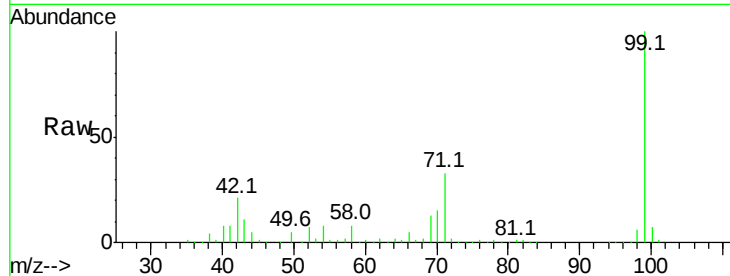
71 33.1 27.5 41.3

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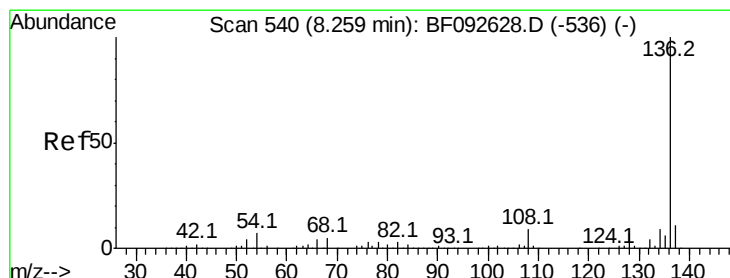
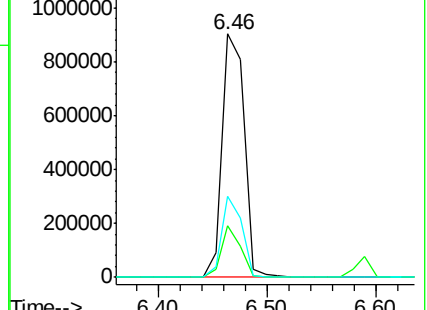
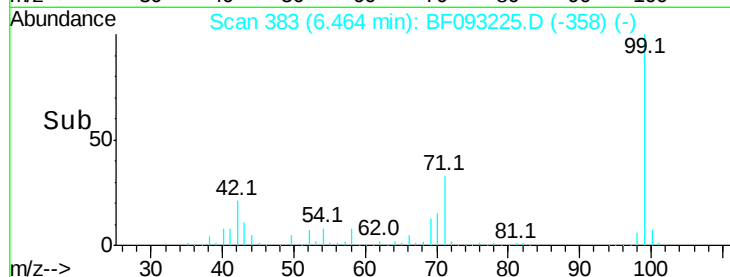
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 8.10 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Tgt Ion: 136 Resp: 655310

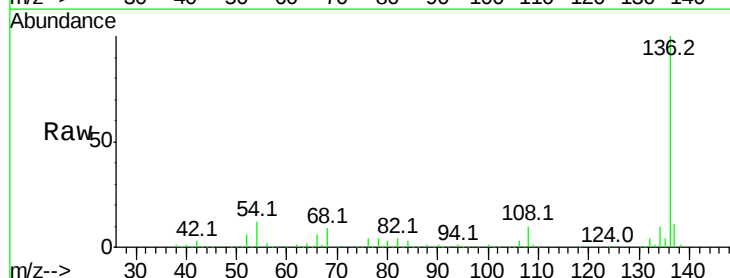
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 11.9 4.5 6.7#

68 8.5 3.6 5.4#

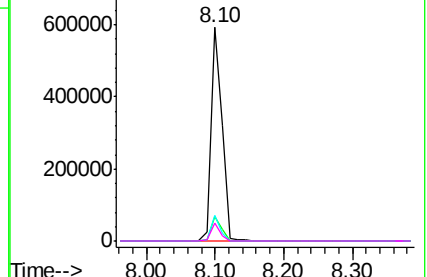
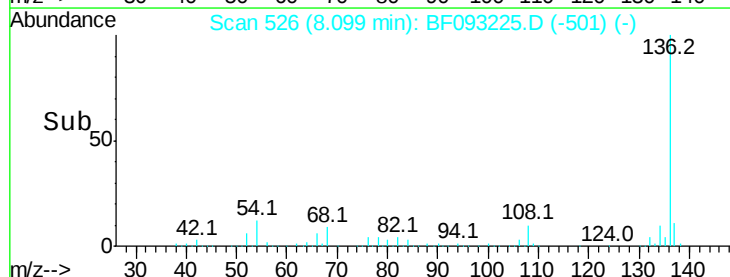


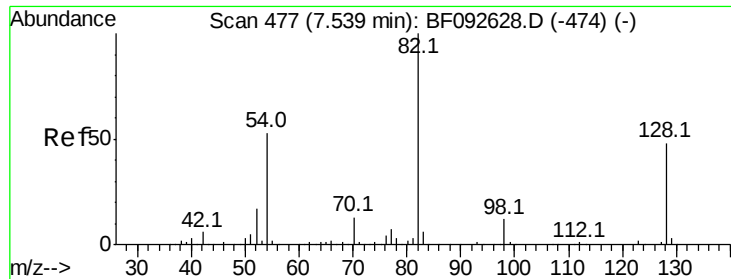
Abundance Ion 136.00 (135.70 to 136.70): E

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





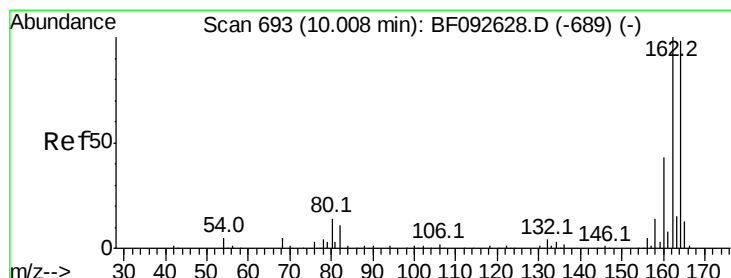
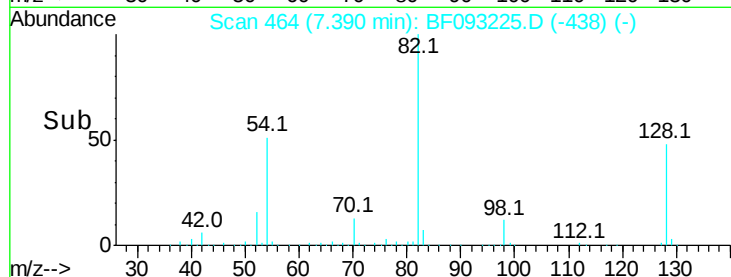
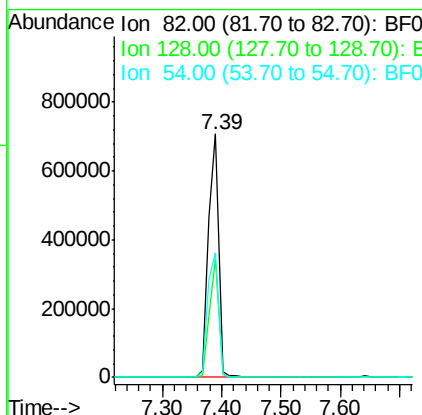
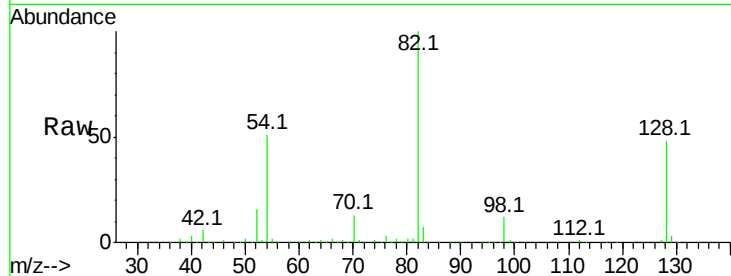
#23
 Nitrobenzene-d5
 Concen: 71.79 ng
 RT: 7.39 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5D-SWW

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	34.6	52.0
54	51.2	39.5	59.3

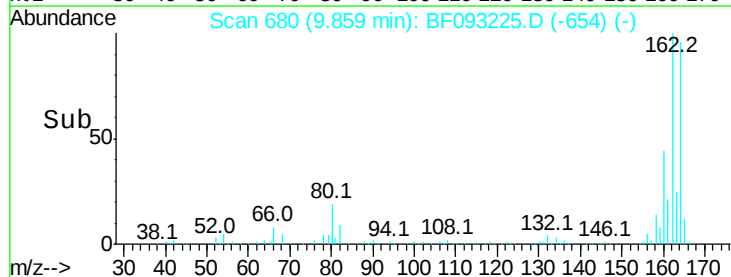
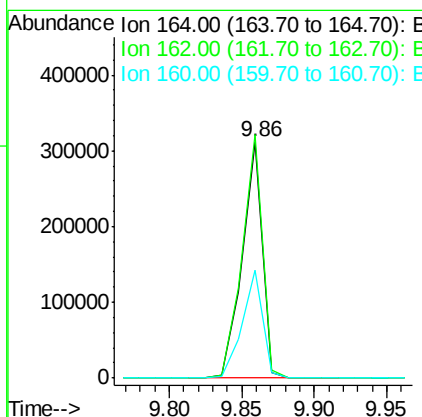
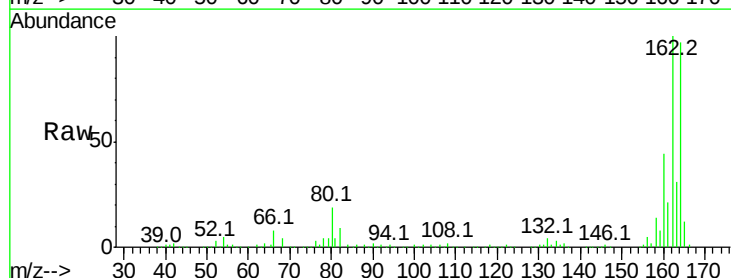
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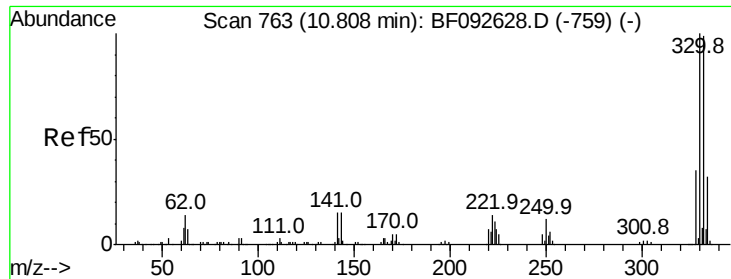
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.2	120.2
160	45.6	36.9	55.3





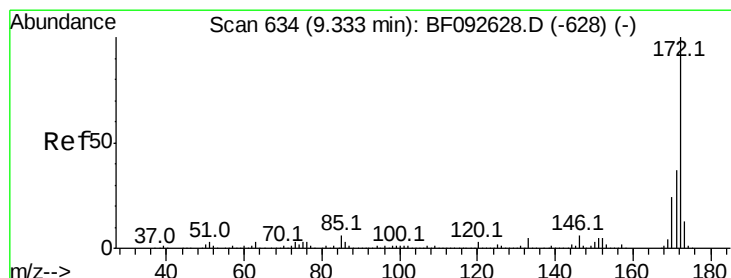
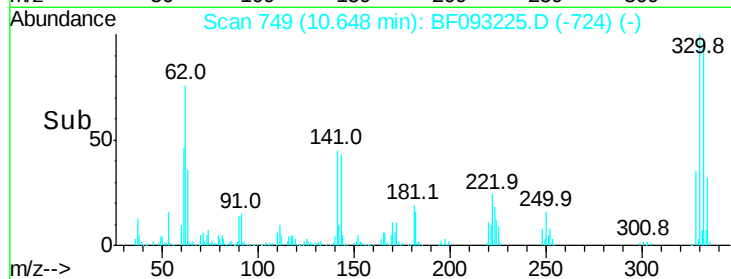
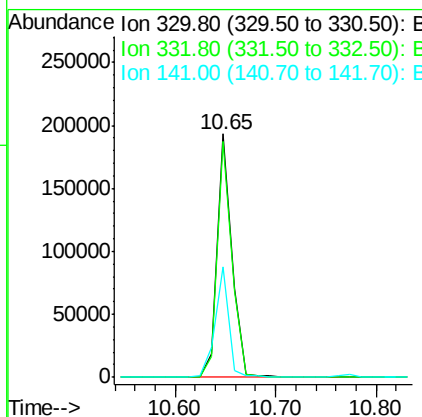
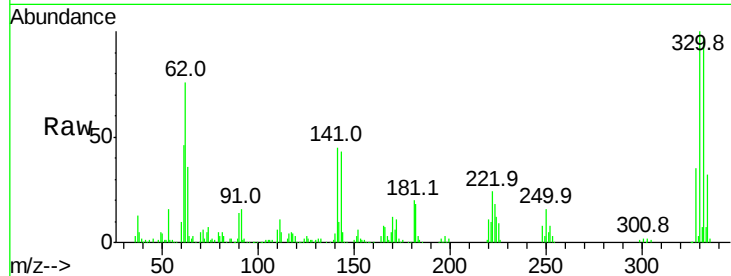
#41
 2,4,6-Tribromophenol
 Concen: 91.25 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5D-SWW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	197913		
332	96.7		77.4	116.2
141	41.1		34.1	51.1

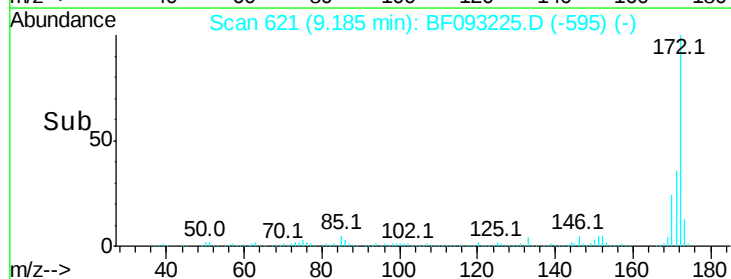
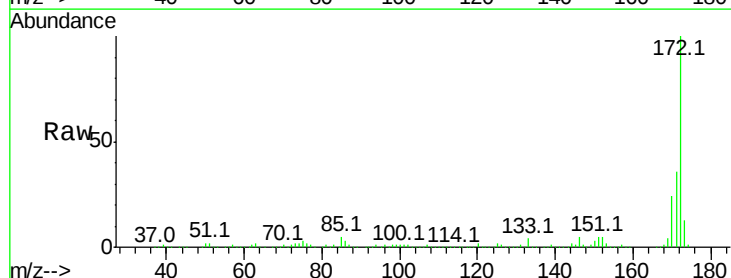
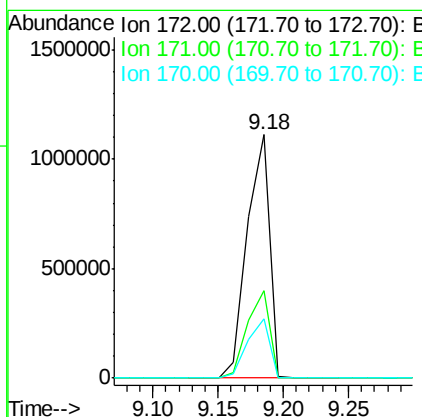
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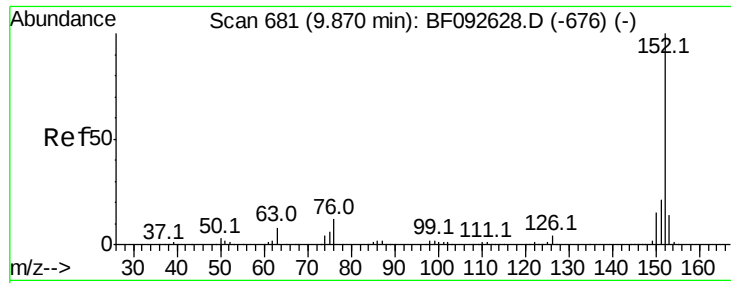
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#44
 2-Fluorobiphenyl
 Concen: 80.50 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1332386		
171	35.8		29.4	44.0
170	24.4		20.2	30.4





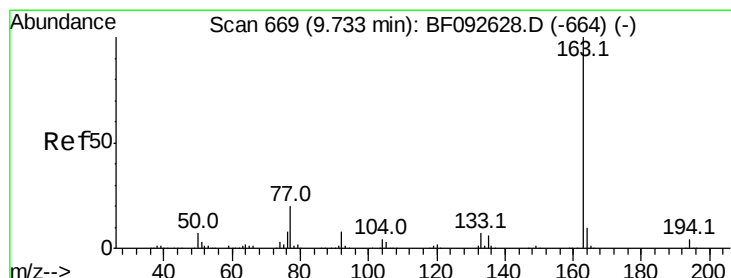
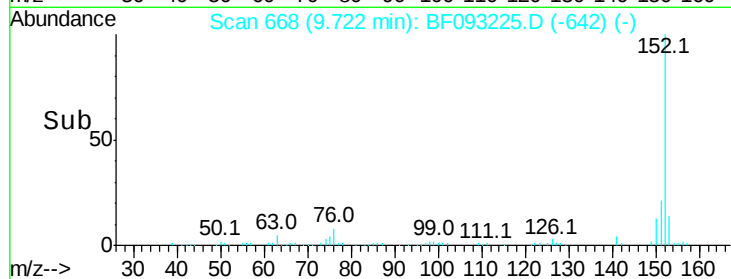
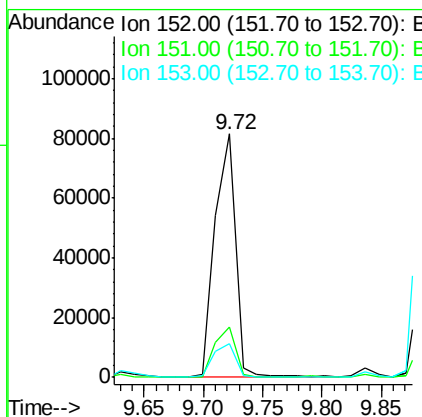
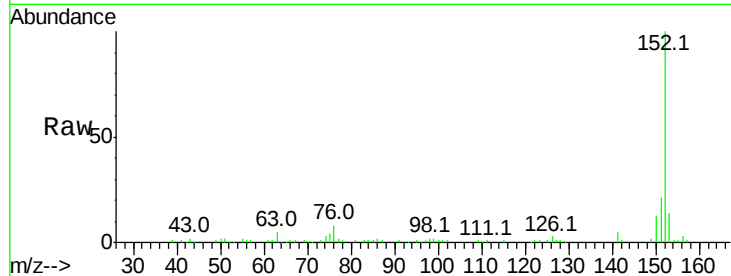
#48
Acenaphthylene
Concen: 3.34 ng
RT: 9.72 min Scan# 668
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Instrument :
BNA_F
ClientSampleId :
E2-AA5D-SWW

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.9	25.3
153	13.6	11.4	17.2

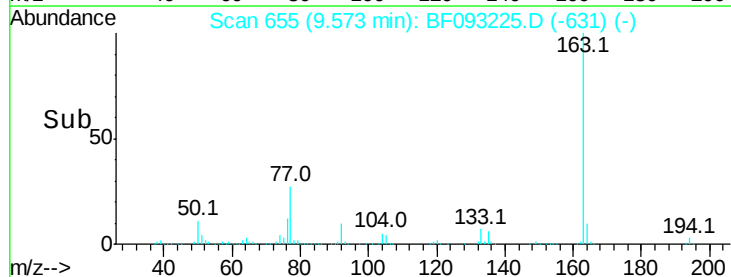
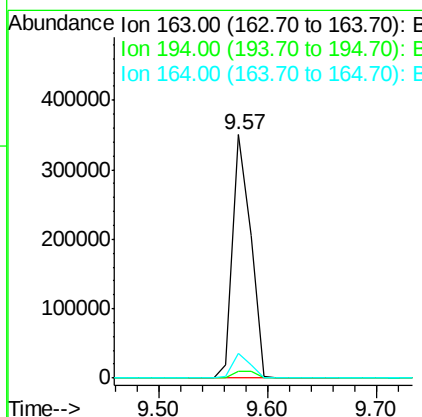
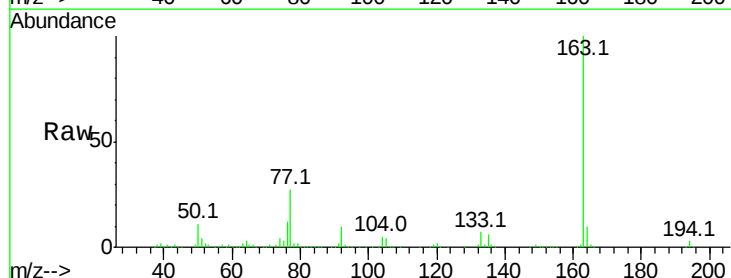
Manual Integrations
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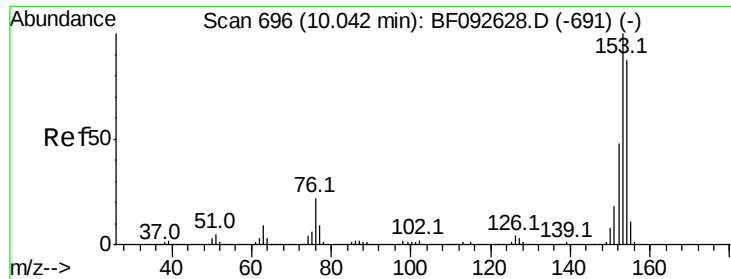
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#49
Dimethylphthalate
Concen: 19.69 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.02 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.0	4.4
164	10.3	8.0	12.0





#51

Acenaphthene

Concen: 4.72 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

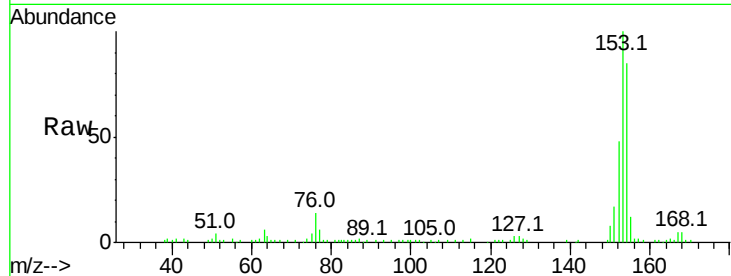
ClientSampleId :

E2-AA5D-SWW

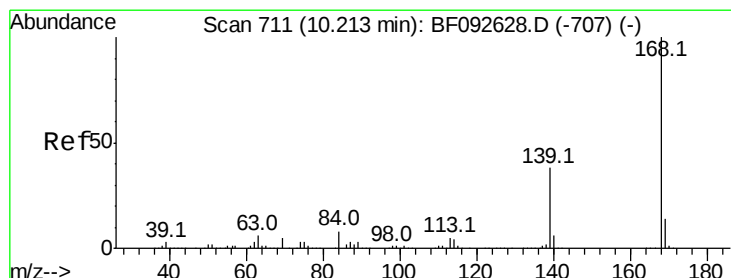
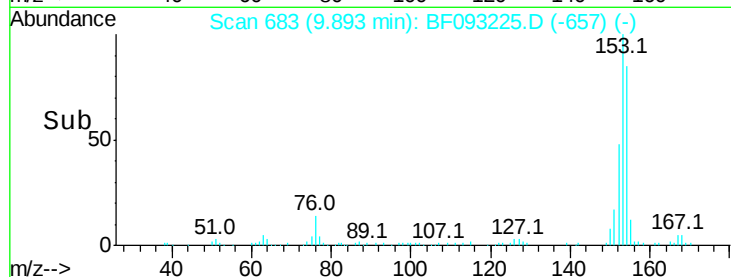
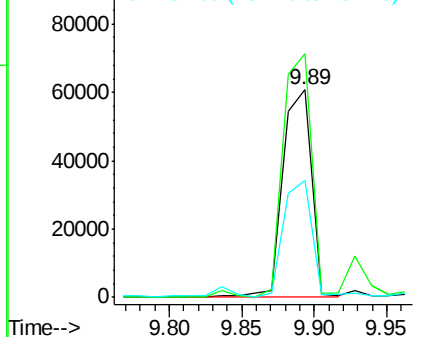
Tot Ion:	154	Resp:	82723
Ion	Ratio	Lower	Upper
154	100		
153	117.3	88.6	133.0
152	56.2	41.6	62.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.91 ng

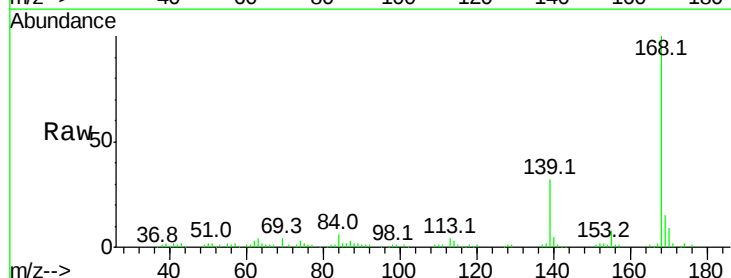
RT: 10.06 min Scan# 698

Delta R.T. 0.00 min

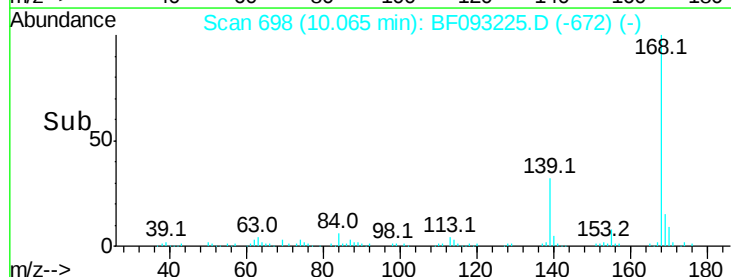
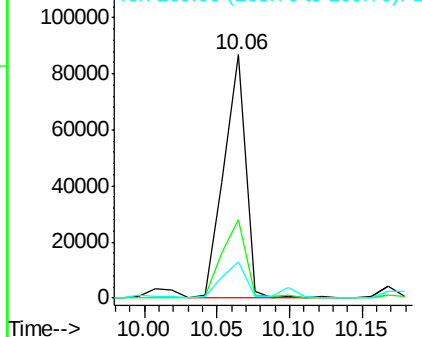
Lab File: BF093225.D

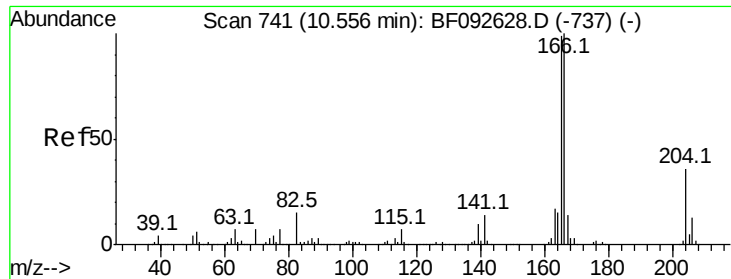
Acq: 28 Feb 2017 00:46

Tgt Ion:	168	Resp:	91653
Ion	Ratio	Lower	Upper
168	100		
139	32.3	32.6	49.0#
169	14.6	11.3	16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 7.36 ng/mL

RT: 10.41 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

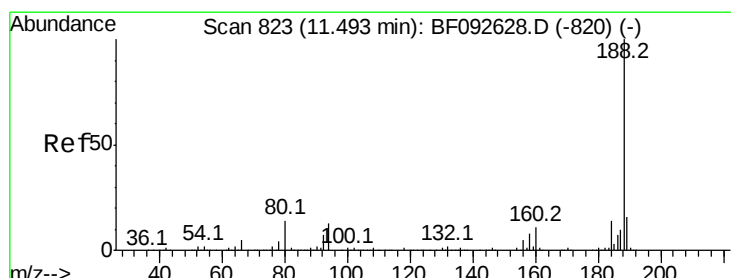
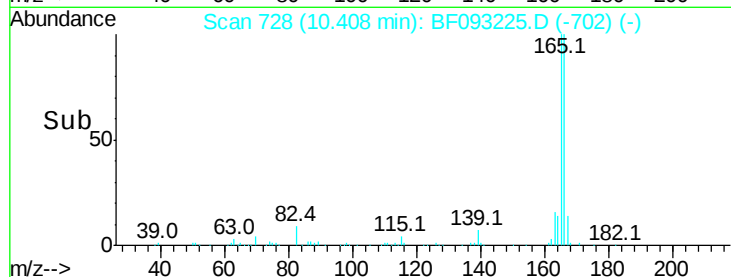
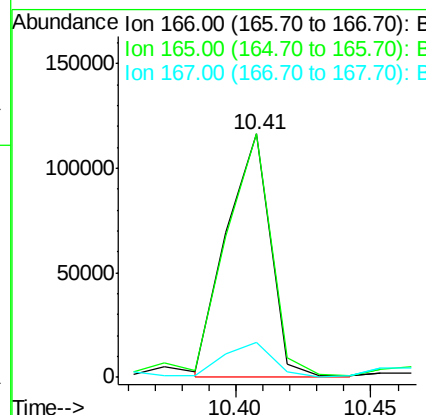
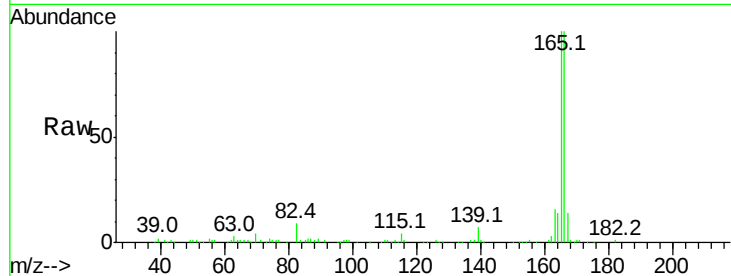
ClientSampleId :

E2-AA5D-SWW

Tot Ion:	166	Resp:	132894
Ion Ratio	Lower	Upper	
166	100		
165	99.9	77.8	116.8
167	14.2	10.8	16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

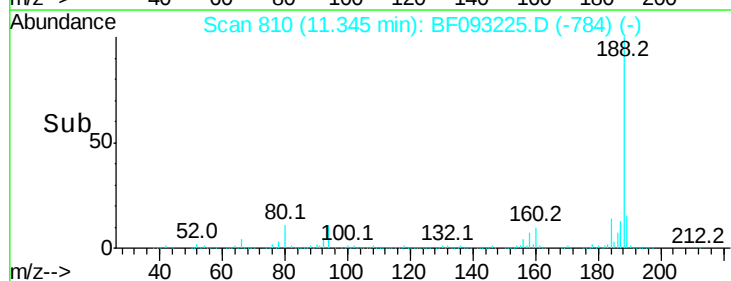
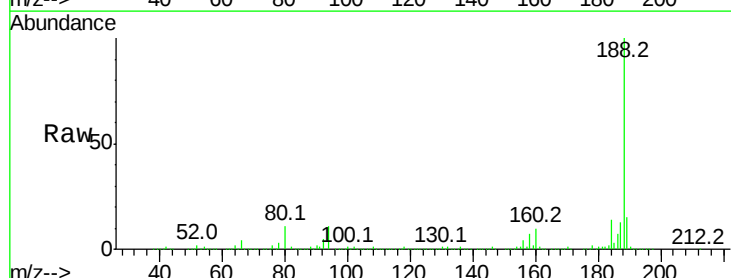
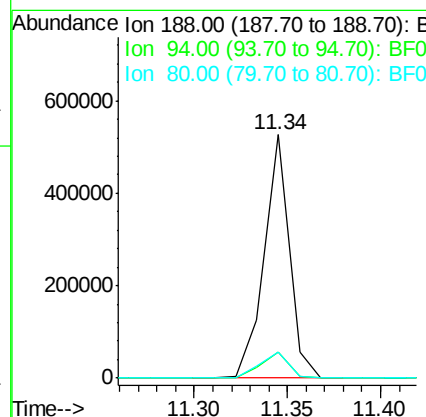
RT: 11.34 min Scan# 810

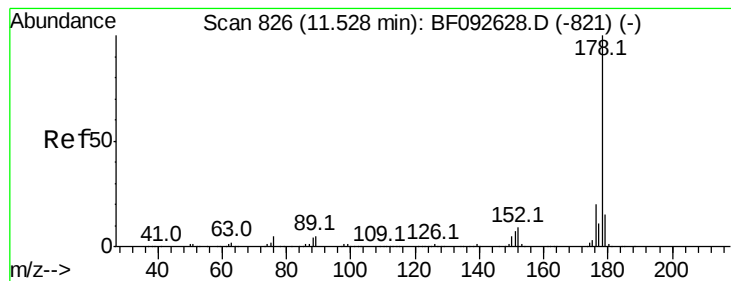
Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Tgt Ion:	188	Resp:	489688
Ion Ratio	Lower	Upper	
188	100		
94	10.6	10.0	15.0
80	10.8	11.2	16.8#





#70

Phenanthrene

Concen: 53.28 ng

RT: 11.37 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

ClientSampleId :

E2-AA5D-SWW

Tot Ion:178 Resp: 1494846

Ion Ratio Lower Upper

178 100

176 20.1 16.6 25.0

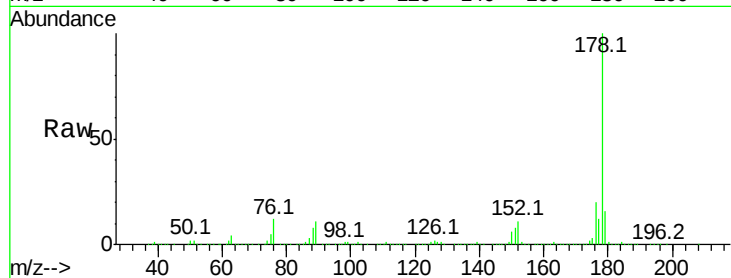
179 16.3 12.8 19.2

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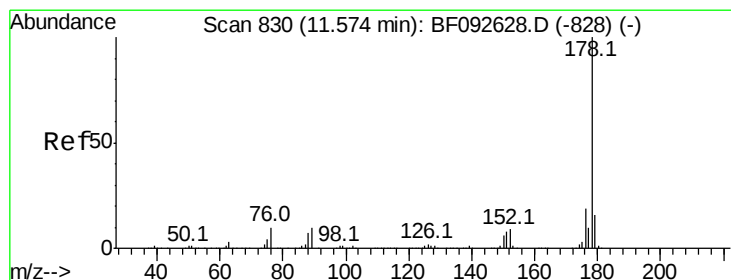
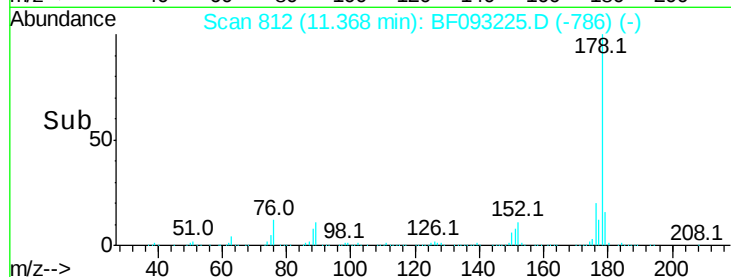
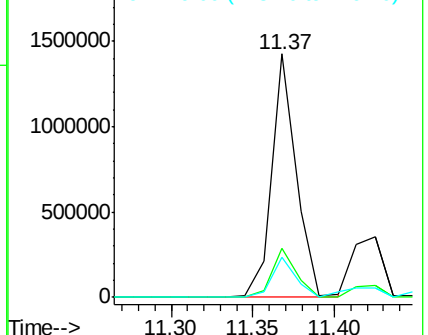
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 16.73 ng

RT: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Tgt Ion:178 Resp: 471430

Ion Ratio Lower Upper

178 100

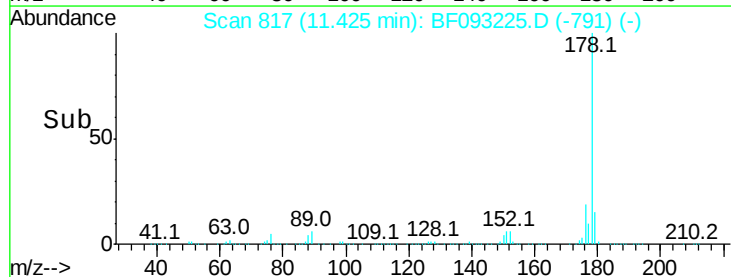
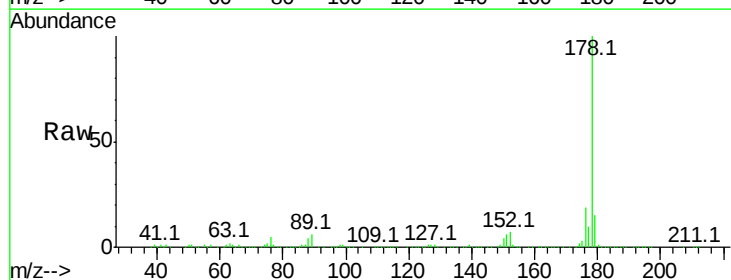
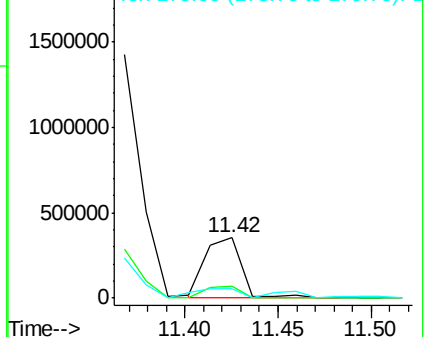
176 19.0 15.9 23.9

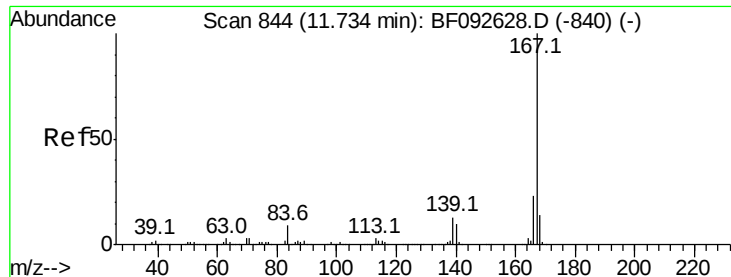
179 15.0 13.2 19.8

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





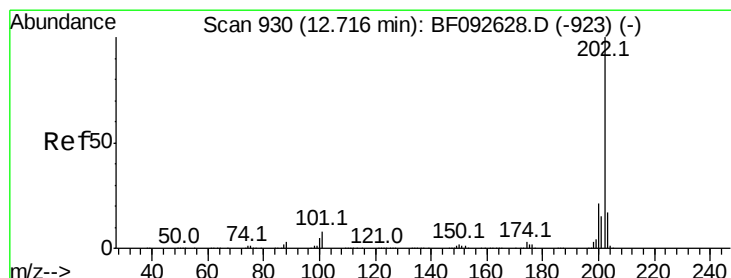
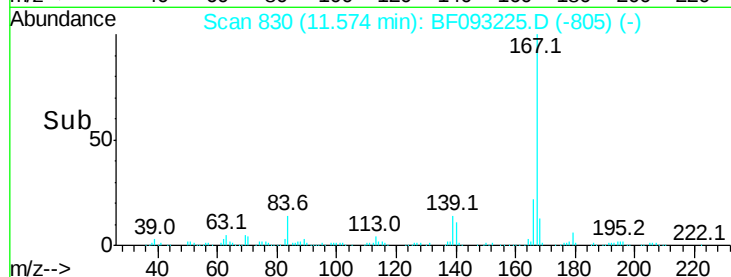
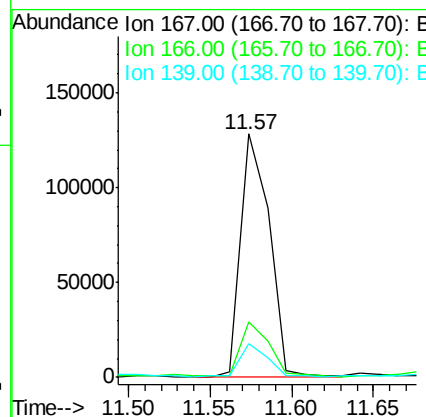
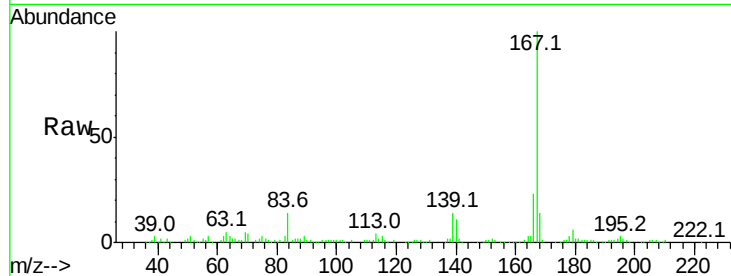
#72
 Carbazole
 Concen: 5.70 ng
 RT: 11.57 min Scan# 830
 Delta R.T. -0.01 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5D-SWW

Tot Ion	Ratio	Resp	Lower	Upper
167	100	153531		
166	22.6		18.2	27.2
139	13.8		11.4	17.2

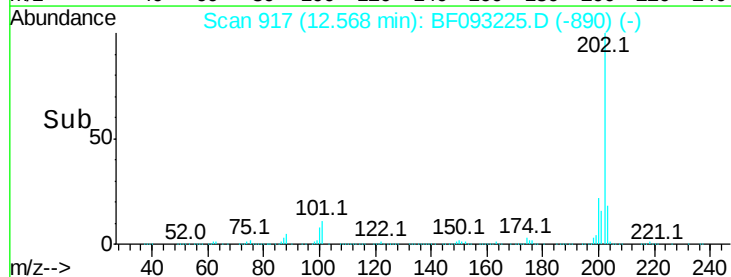
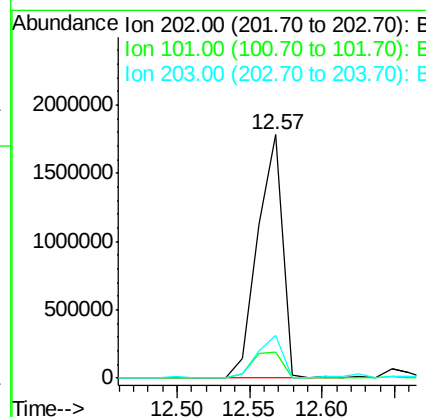
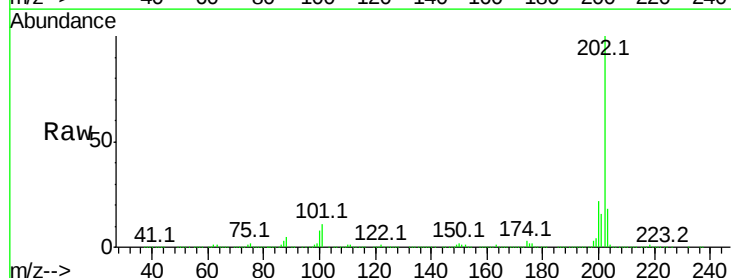
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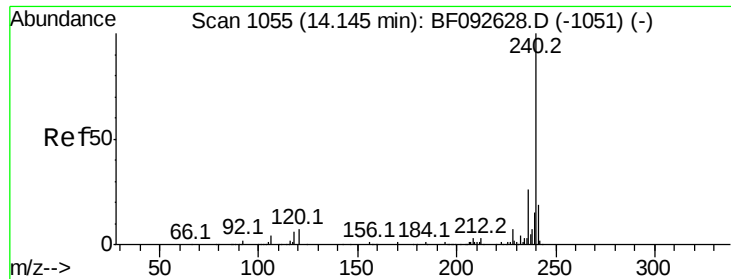
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#74
 Fluoranthene
 Concen: 72.93 ng
 RT: 12.57 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2110564		
101	10.8		0.0	34.6
203	17.7		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: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

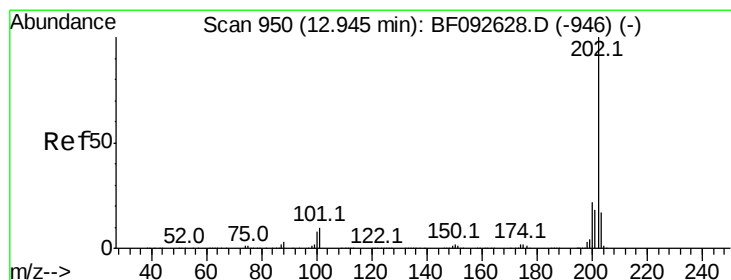
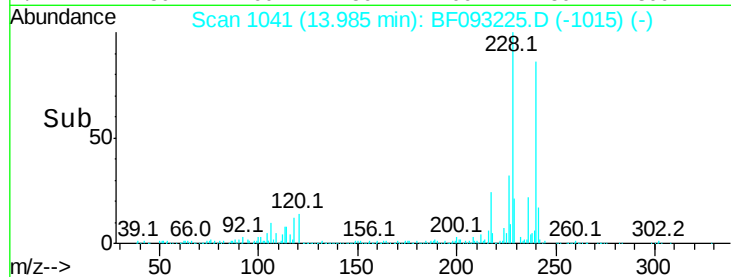
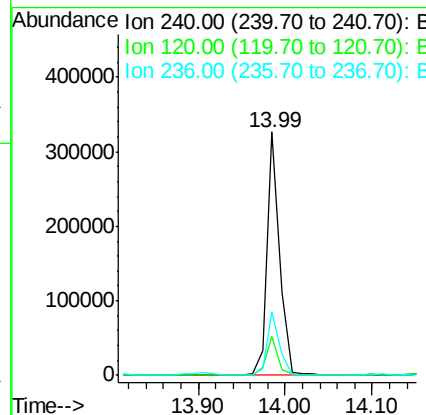
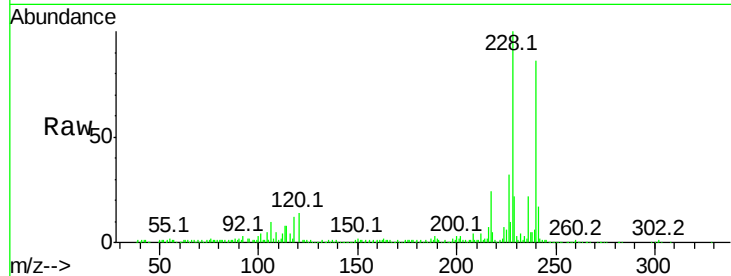
ClientSampleId :

E2-AA5D-SWW

Tot Ion:	240	Resp:	328489
Ion Ratio	Lower	Upper	
240	100		
120	15.9	12.9	19.3
236	26.0	20.9	31.3

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#77

Pyrene

Concen: 74.25 ng

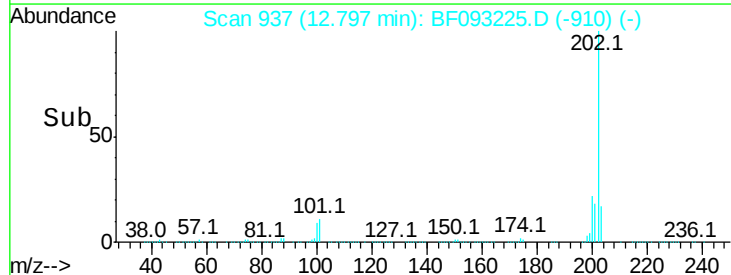
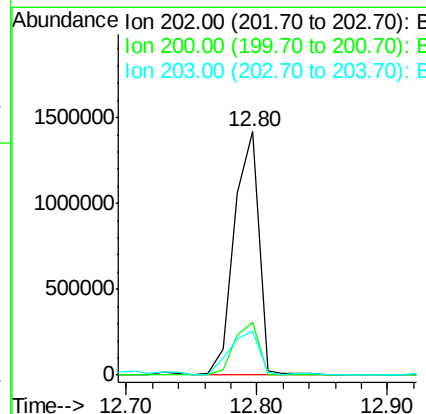
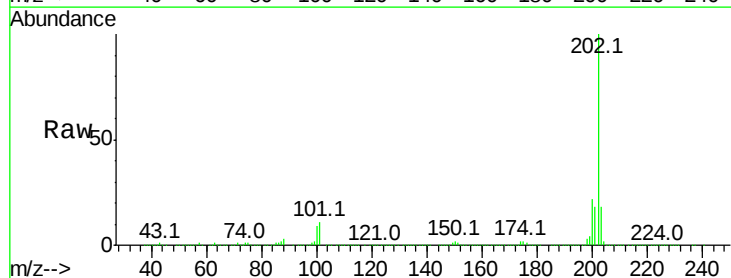
RT: 12.80 min Scan# 937

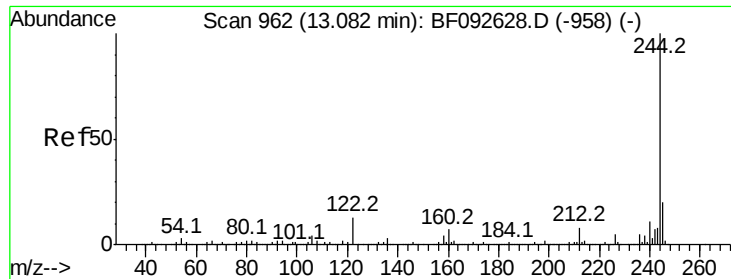
Delta R.T. 0.01 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Tgt Ion:	202	Resp:	1825318
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.7	26.5
203	17.9	14.7	22.1





#78

Terphenyl-d14

Concen: 64.01 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Instrument :

BNA_F

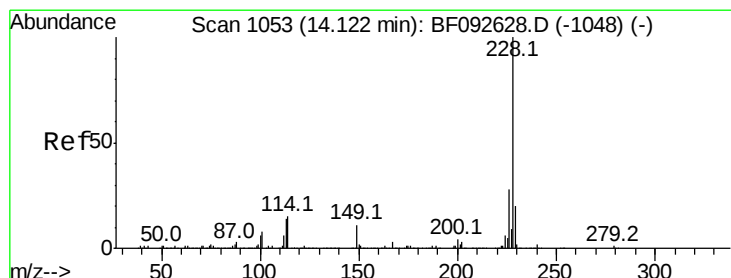
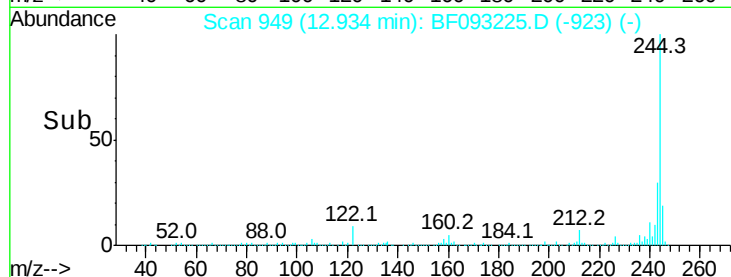
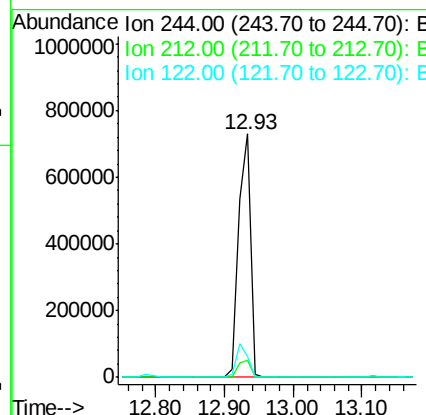
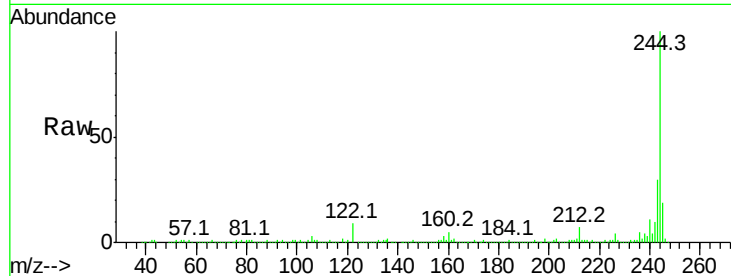
ClientSampleId :

E2-AA5D-SWW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.2	9.2
122	8.5	11.4	17.2

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#80

Benzo(a)anthracene

Concen: 47.14 ng

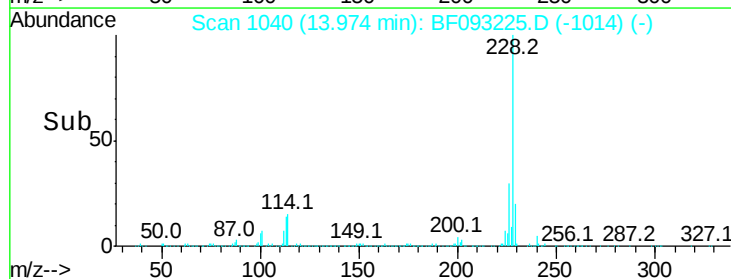
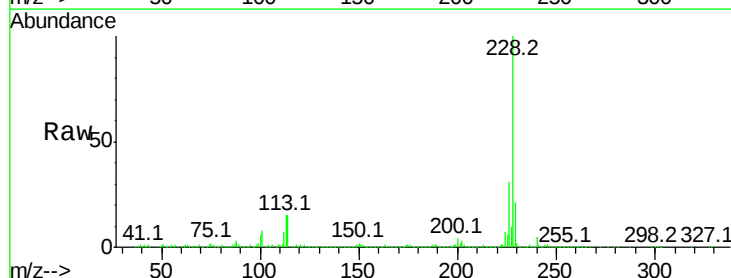
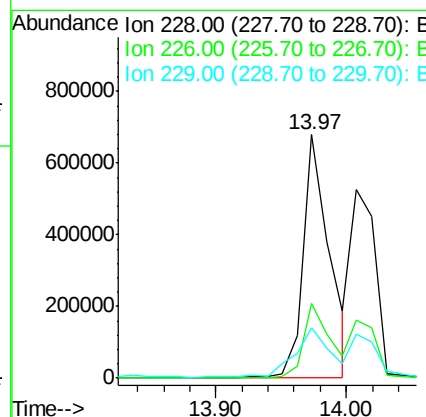
RT: 13.97 min Scan# 1040

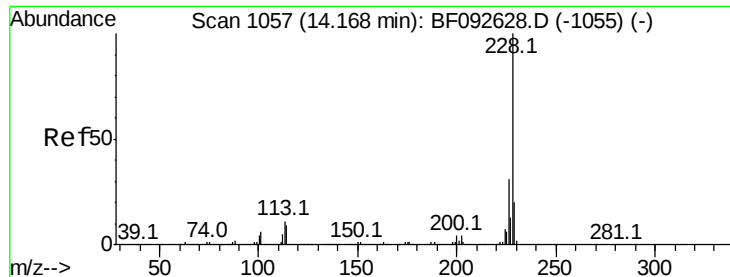
Delta R.T. 0.00 min

Lab File: BF093225.D

Acq: 28 Feb 2017 00:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.4	33.6
229	20.9	16.2	24.4





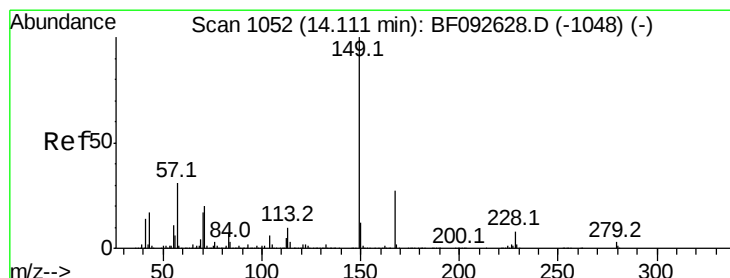
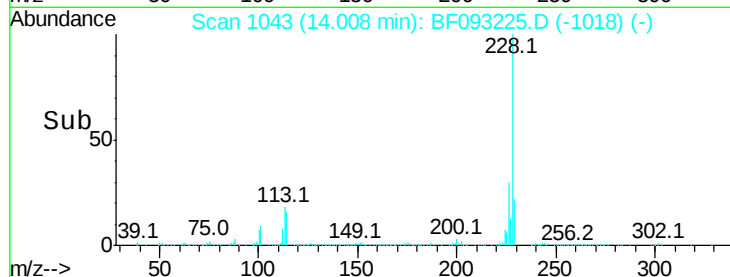
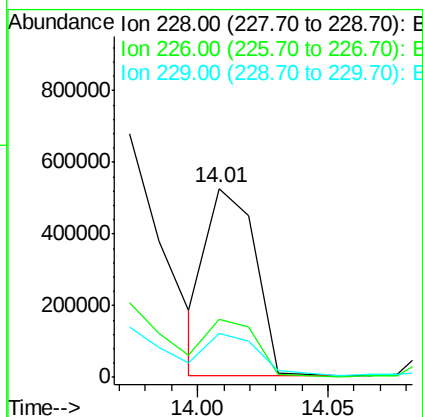
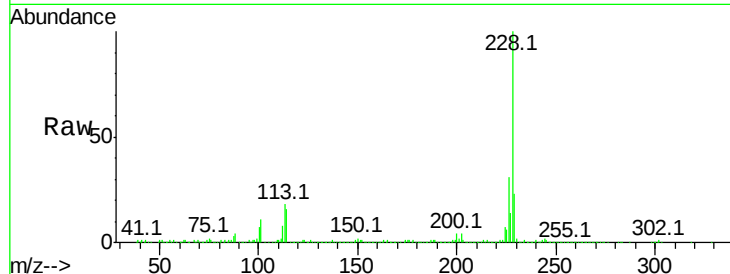
#82
Chrysene
Concen: 35.99 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Instrument :
BNA_F
ClientSampleId :
E2-AA5D-SWW

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.4	38.0
229	23.0	16.2	24.2

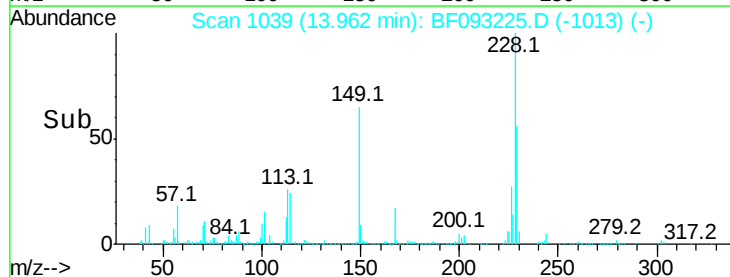
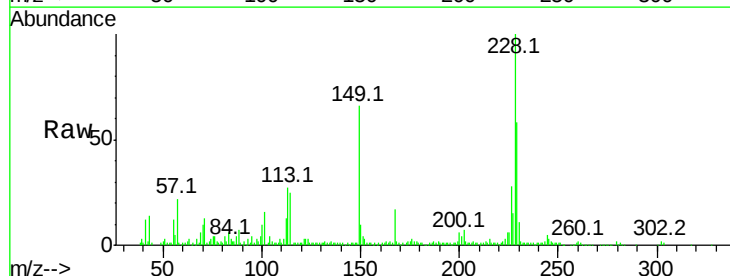
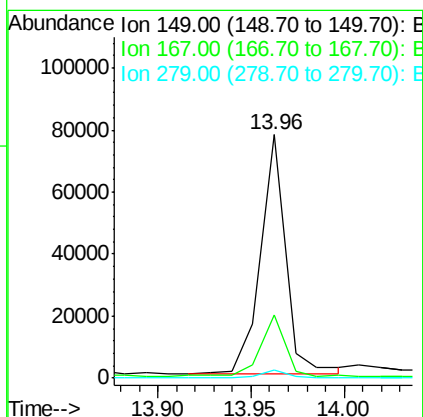
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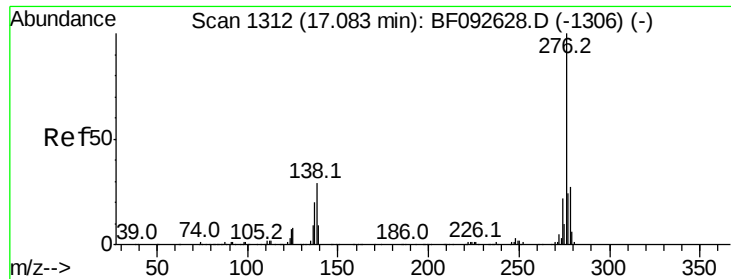
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#83
Bis(2-ethylhexyl)phthalate
Concen: 5.29 ng
RT: 13.96 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Tgt Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.2	30.4
279	3.2	1.8	2.8#





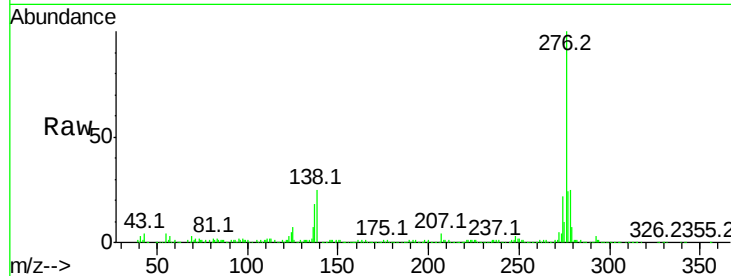
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.95 ng
 RT: 16.82 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5D-SWW

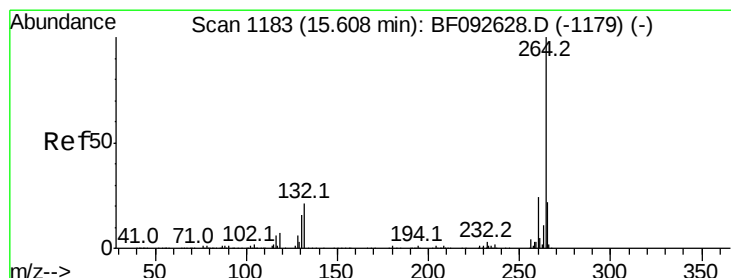
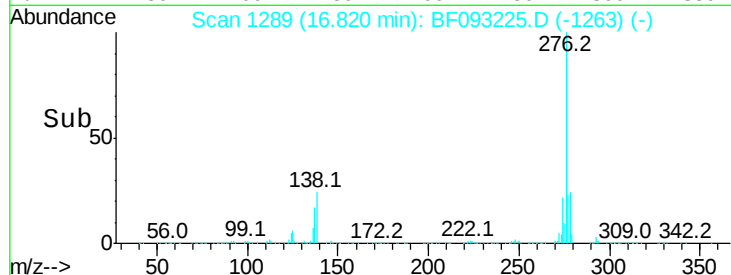
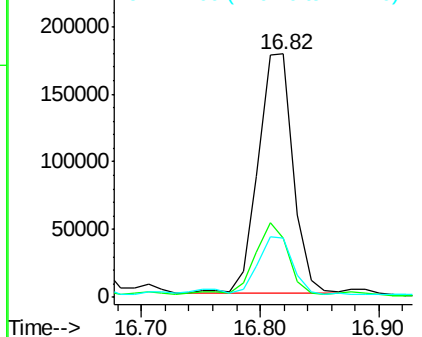
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.9	21.8	32.6
277	24.0	20.2	30.4

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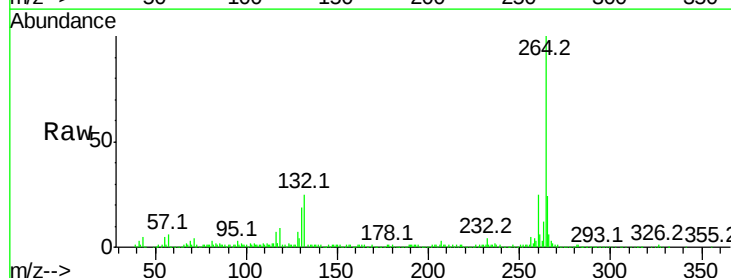


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

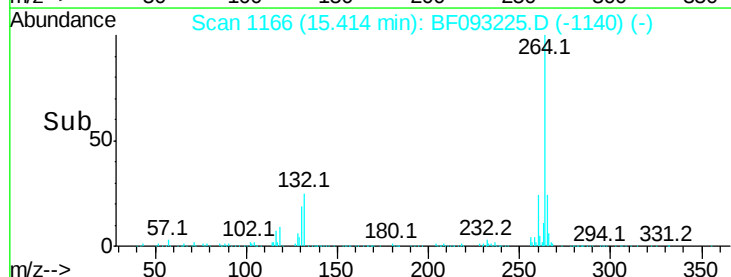
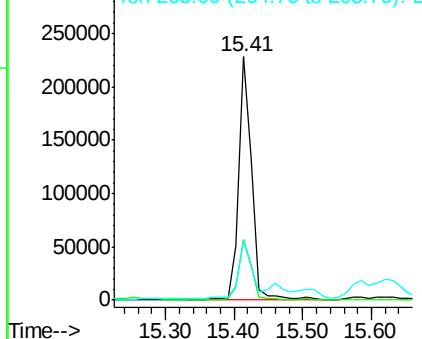


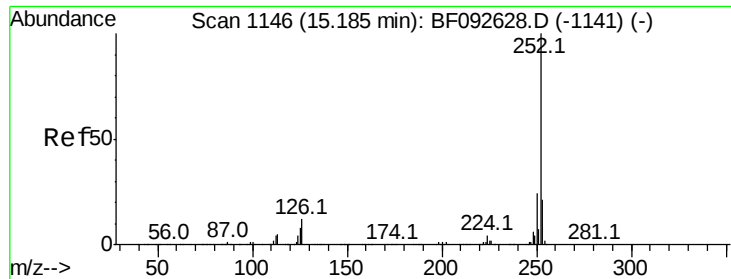
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.41 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	24.2	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





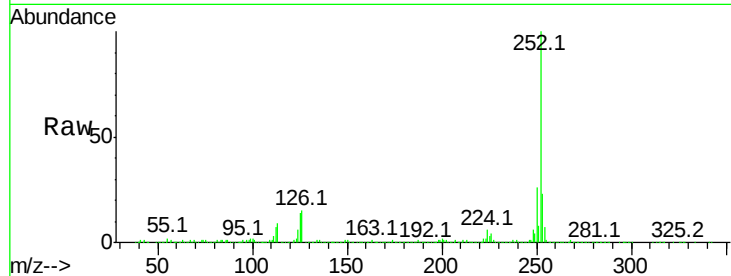
#87
Benzo(b)fluoranthene
Concen: 48.95 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Instrument :
BNA_F
ClientSampleId :
E2-AA5D-SWW

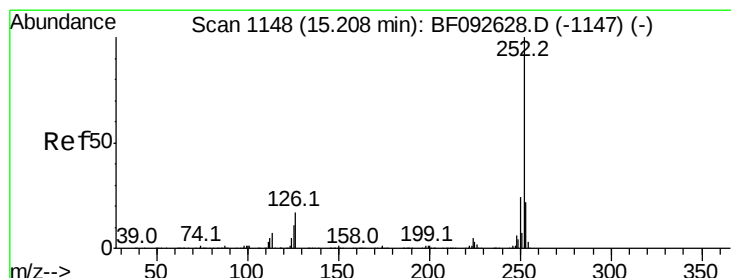
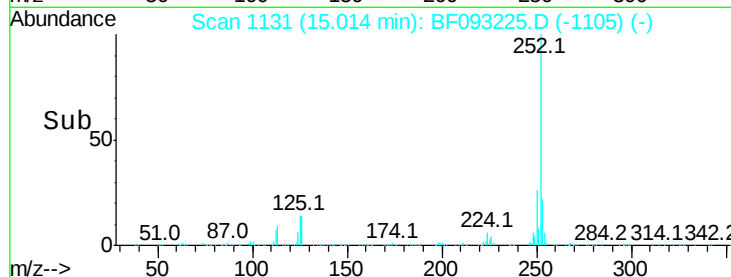
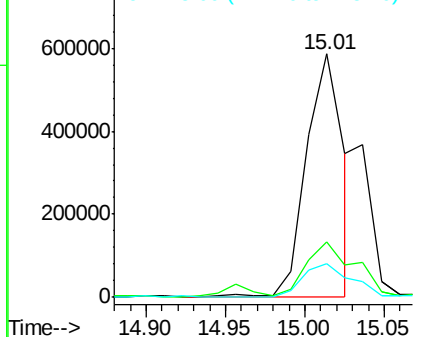
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	13.9	9.8	14.6

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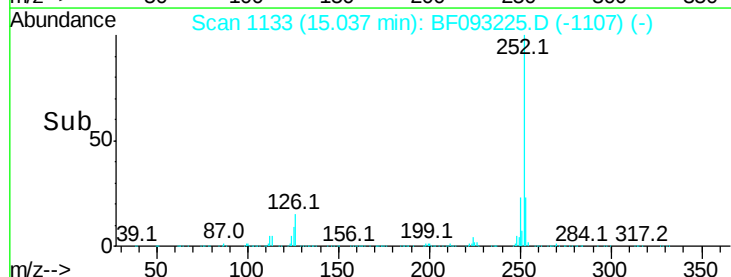
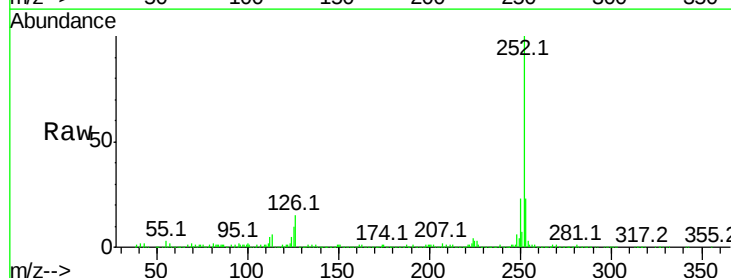
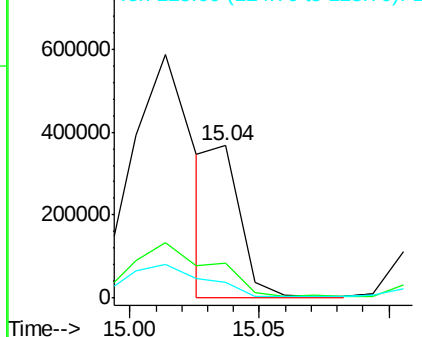
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

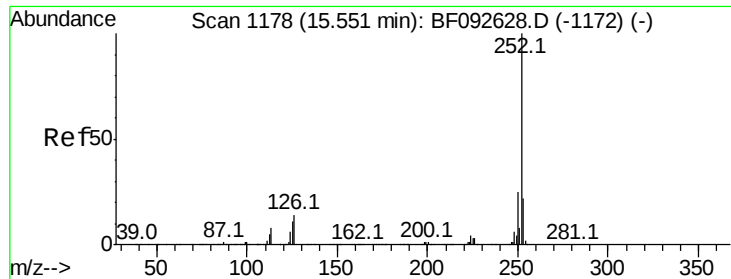


#88
Benzo(k)fluoranthene
Concen: 16.95 ng m
RT: 15.04 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	10.1	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





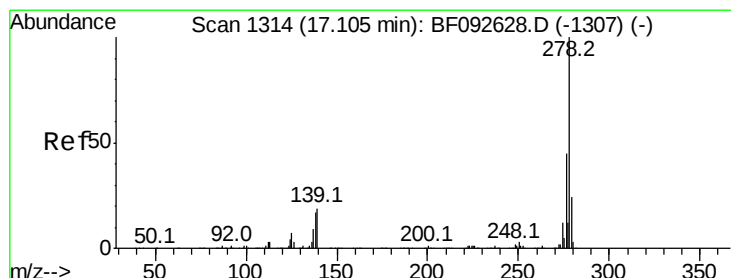
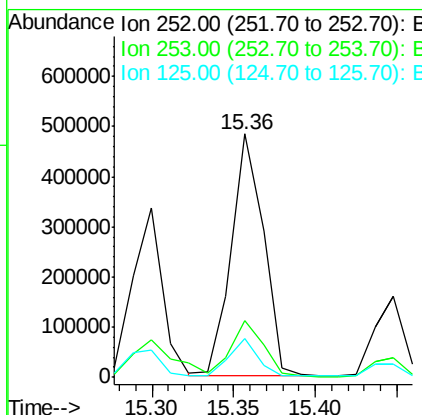
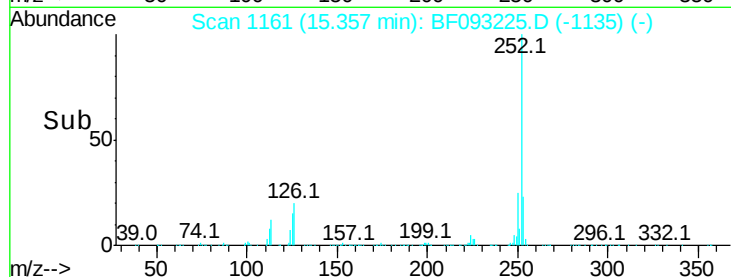
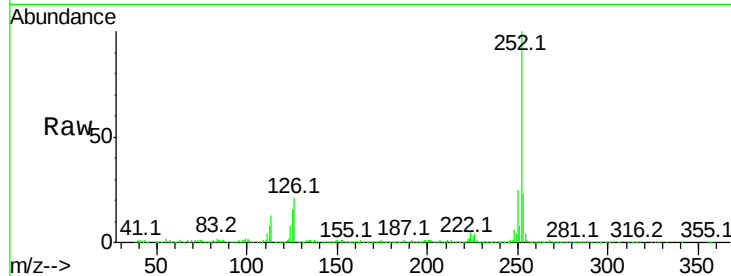
#89
Benzo(a)pyrene
Concen: 38.65 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Instrument :
BNA_F
ClientSampleId :
E2-AA5D-SWW

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	15.7	10.0	15.0

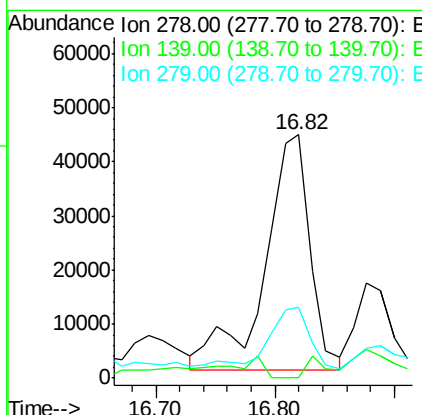
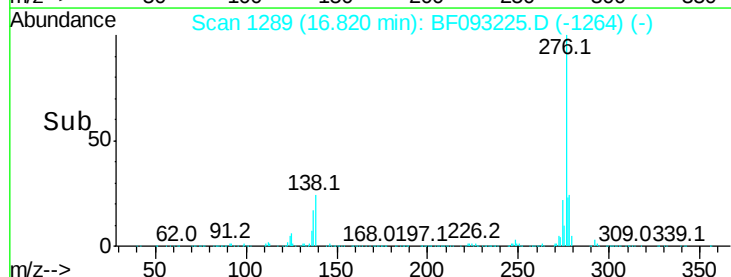
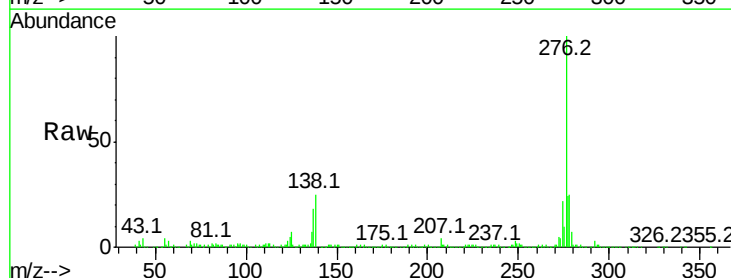
Manual Integrations
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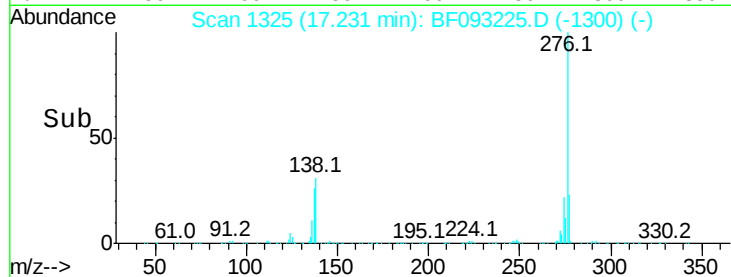
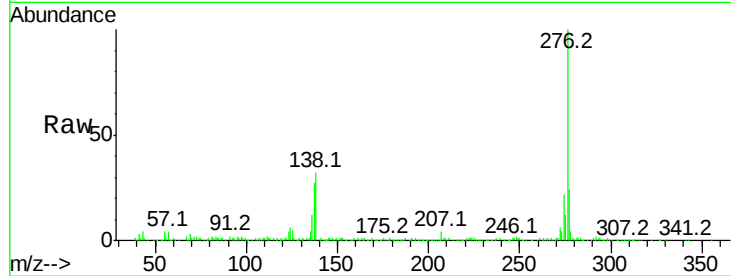
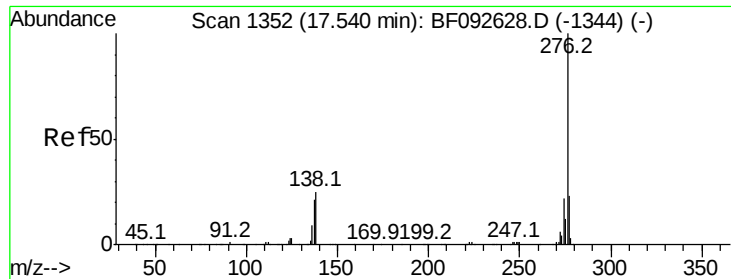
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 8.40 ng m
RT: 16.82 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF093225.D
Acq: 28 Feb 2017 00:46

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2
279	28.9	19.8	29.6





#91
 Benzo(a,h,i)perylene
 Concen: 24.69 ng
 RT: 17.23 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF093225.D
 Acq: 28 Feb 2017 00:46

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5D-SWW

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	31.8	16.0	24.0

Manual Integrations
 APPROVED

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