

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093224.D
 Acq On : 28 Feb 2017 00:19
 Operator : SJ/MA
 Sample : I1996-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5-SWW

Manual Integrations
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 2/28/2017 2:35:27 PM

Quant Time: Feb 28 01:26:43 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	171235	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	657502	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	296338	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	471564	20.00	ng	0.00
75) Chrysene-d12	13.99	240	336064	20.00	ng	0.00
86) Perylene-d12	15.41	264	298284	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1155650	115.79	ng	0.01
7) Phenol-d6	6.48	99	1643787	128.00	ng	0.00
23) Nitrobenzene-d5	7.39	82	1064212	90.13	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	227005	105.91	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1498629	91.62	ng	0.00
78) Terphenyl-d14	12.93	244	988164	69.09	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.57	163	527937	26.45	ng	99
70) Phenanthrene	11.37	178	513531	19.01	ng	98
71) Anthracene	11.41	178	141385	5.21	ng	97
72) Carbazole	11.57	167	54016	2.08	ng	100
74) Fluoranthene	12.56	202	838161	30.08	ng	98
77) Pyrene	12.78	202	800095	31.81	ng	99
80) Benzo(a)anthracene	13.97	228	404244m	19.67	ng	
82) Chrysene	14.01	228	377662m	19.62	ng	
83) Bis(2-ethylhexyl)phthalate	13.96	149	88788	6.36	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.81	276	218558	14.66	ng	97
87) Benzo(b)fluoranthene	15.00	252	446758m	22.76	ng	
88) Benzo(k)fluoranthene	15.01	252	212817m	12.55	ng	
89) Benzo(a)pyrene	15.36	252	365141	21.50	ng	100
90) Dibenzo(a,h)anthracene	16.81	278	64533m	4.70	ng	
91) Benzo(a,h,i)perylene	17.23	276	200045	14.43	ng	# 92

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

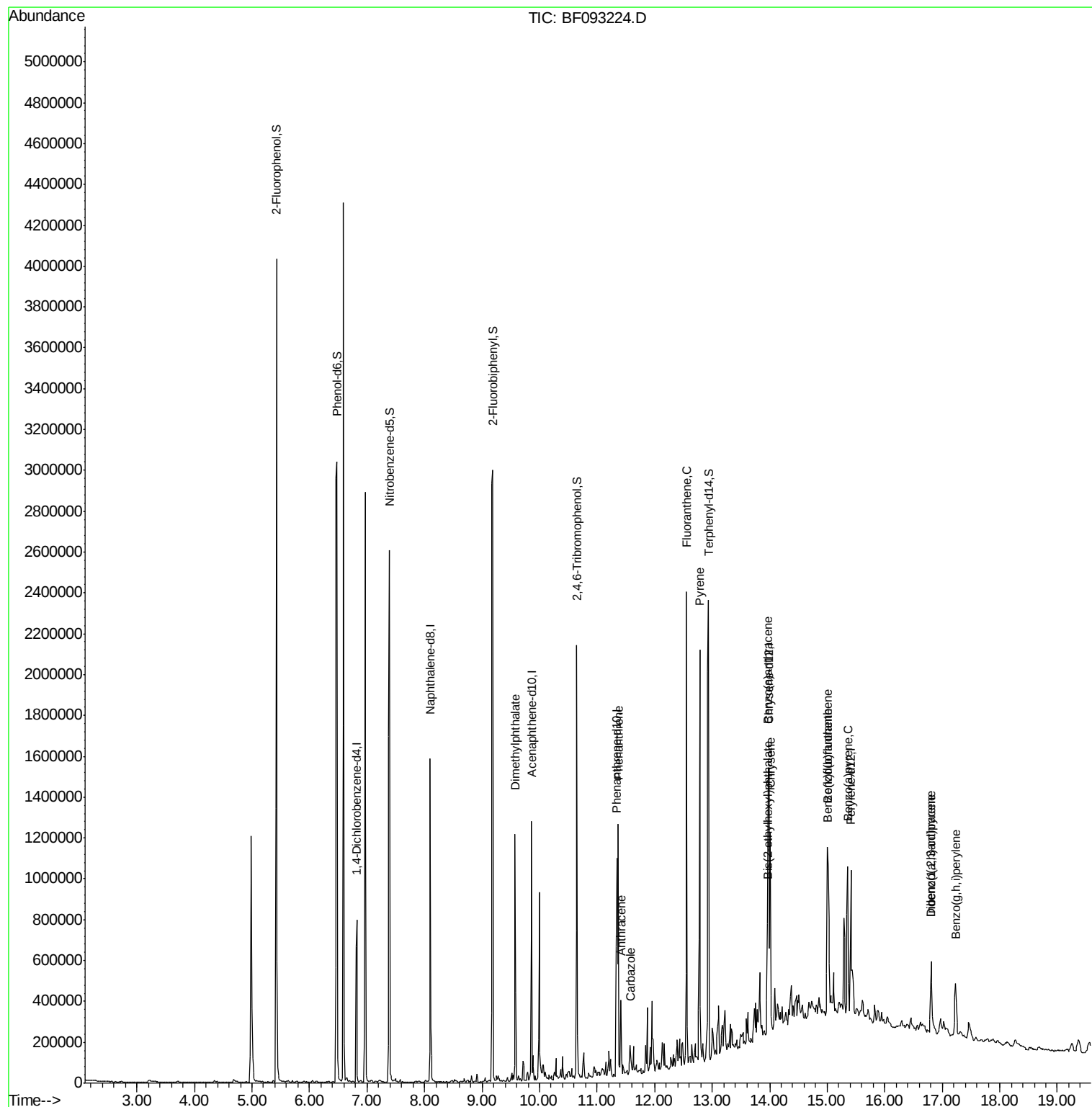
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093224.D
Acq On : 28 Feb 2017 00:19
Operator : SJ/MA
Sample : I1996-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

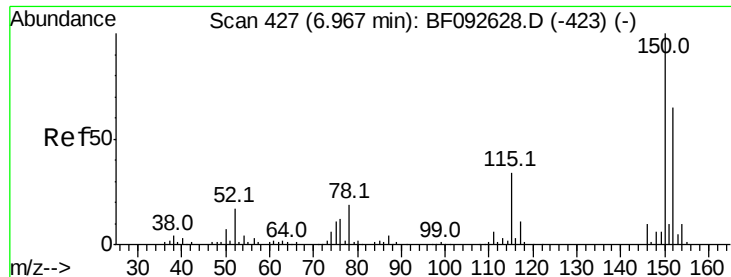
Instrument :
BNA_F
ClientSampled :
E2-AA5-SWW

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Quant Time: Feb 28 01:26:43 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

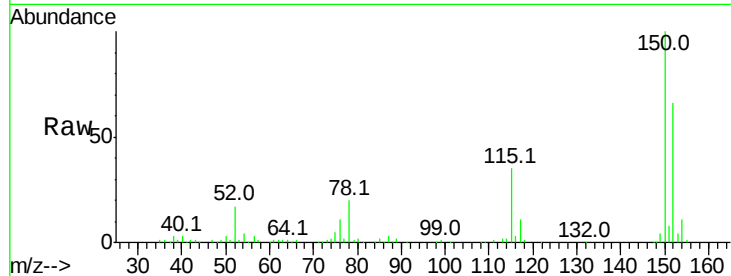
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.00 min
Lab File: BF093224.D
Acq: 28 Feb 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-AA5-SWW

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	124.9	187.3
115	52.5	46.0	69.0

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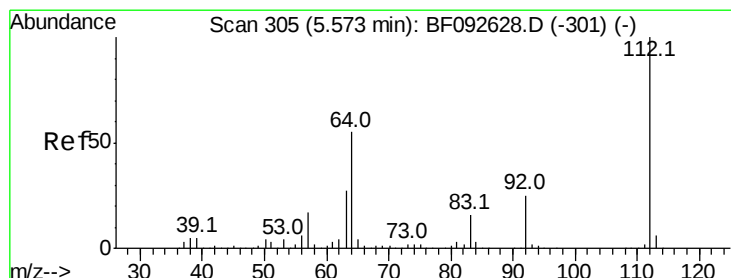
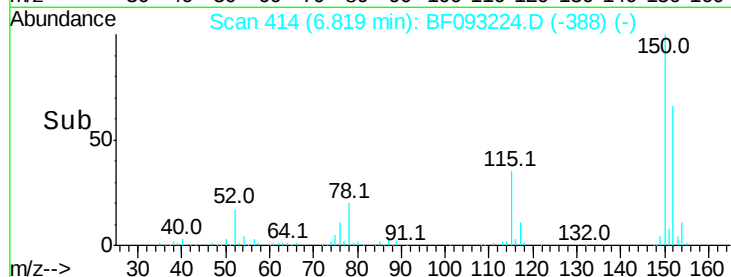
Abundance

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

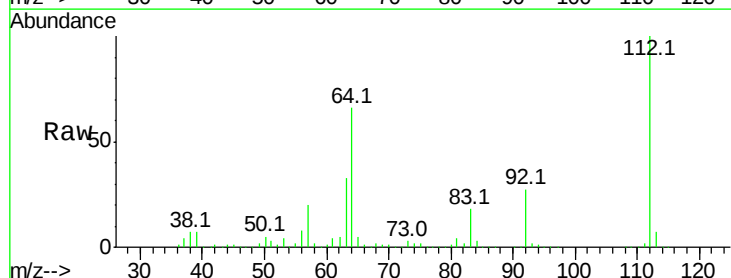
Time-->



#5

2-Fluorophenol
Concen: 115.79 ng
RT: 5.42 min Scan# 292
Delta R.T. 0.01 min
Lab File: BF093224.D
Acq: 28 Feb 2017 00:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	46.1	69.1
63	32.8	23.8	35.6



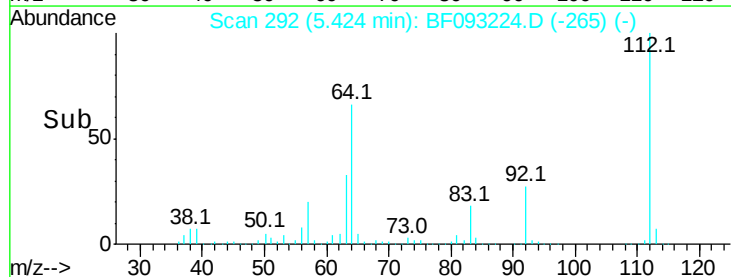
Abundance

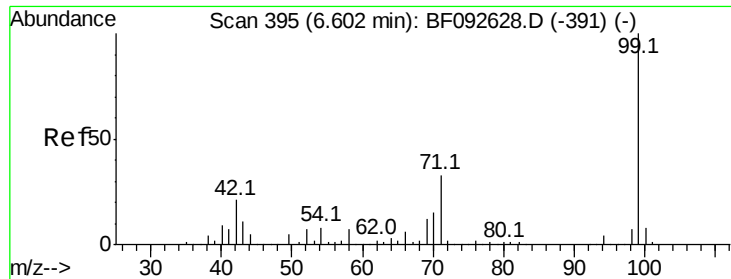
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 128.00 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF093224.D

Acq: 28 Feb 2017 00:19

Instrument :

BNA_F

ClientSampleId :

E2-AA5-SWW

Tot Ion: 99 Resp: 1643787

Ion Ratio Lower Upper

99 100

42 15.6 15.6 23.4

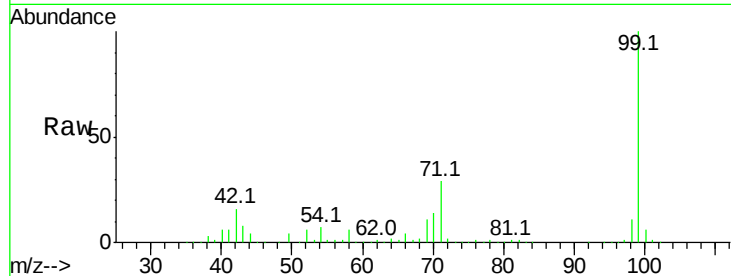
71 28.9 27.5 41.3

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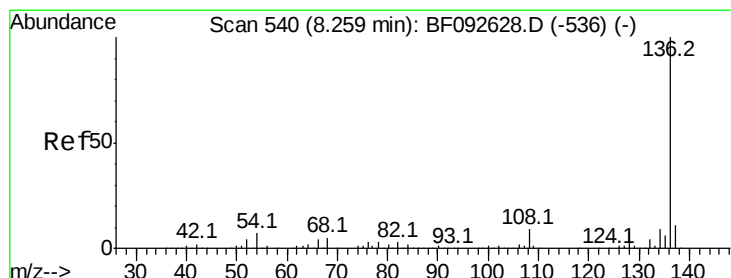
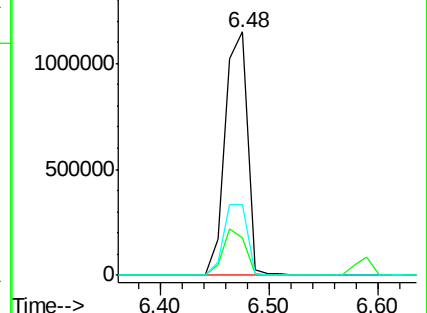
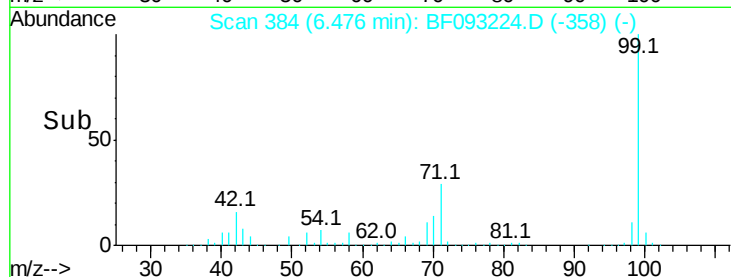
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: BF093224.D

Acq: 28 Feb 2017 00:19

Tgt Ion:136 Resp: 657502

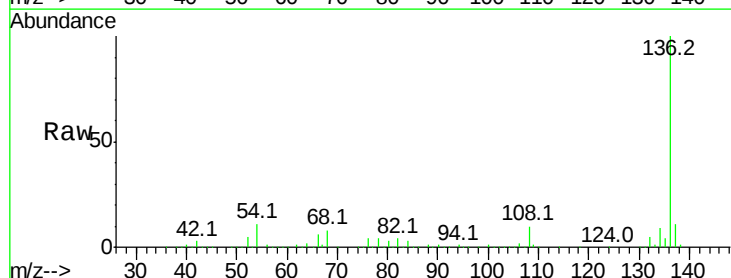
Ion Ratio Lower Upper

136 100

137 11.4 8.4 12.6

54 11.0 4.5 6.7#

68 7.8 3.6 5.4#

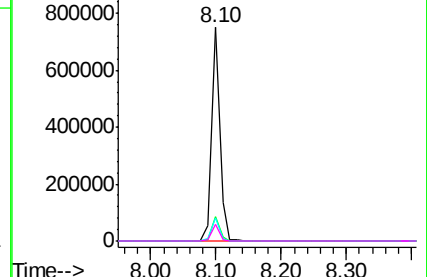
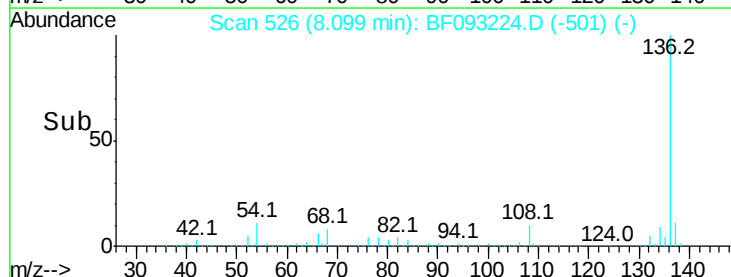


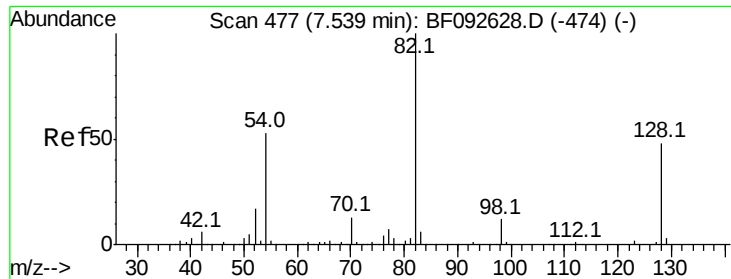
Abundance Ion 136.00 (135.70 to 136.70): E

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





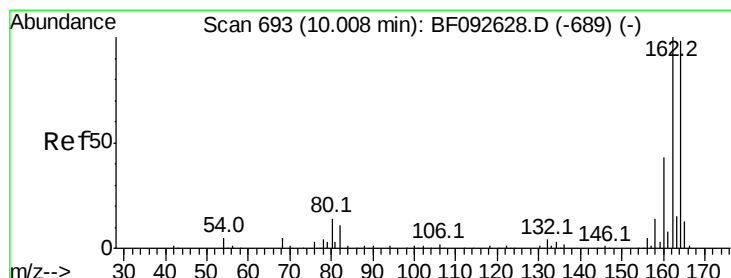
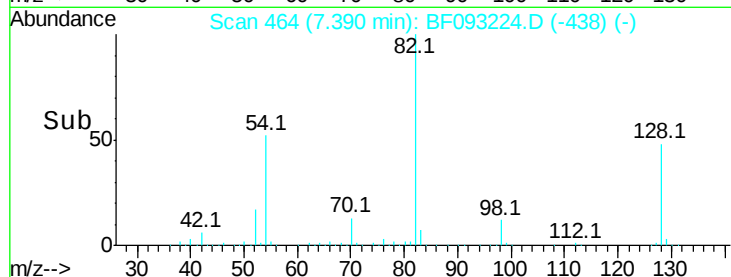
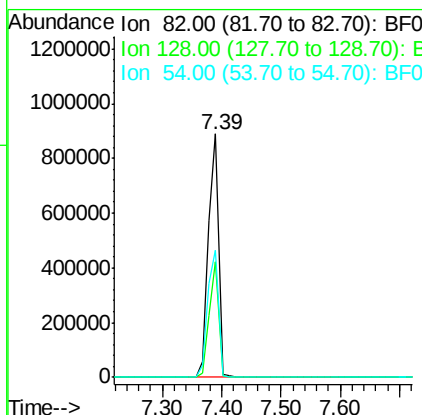
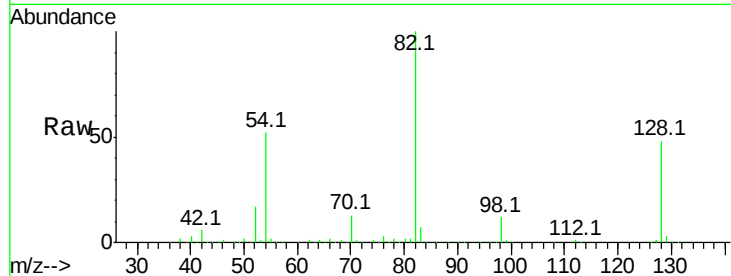
#23
 Nitrobenzene-d5
 Concen: 90.13 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF093224.D
 Acq: 28 Feb 2017 00:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5-SWW

Tot Ion: 82 Resp: 1064212
 Ion Ratio Lower Upper
 82 100
 128 47.7 34.6 52.0
 54 52.5 39.5 59.3

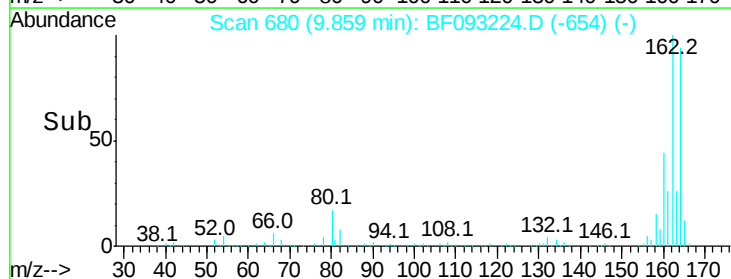
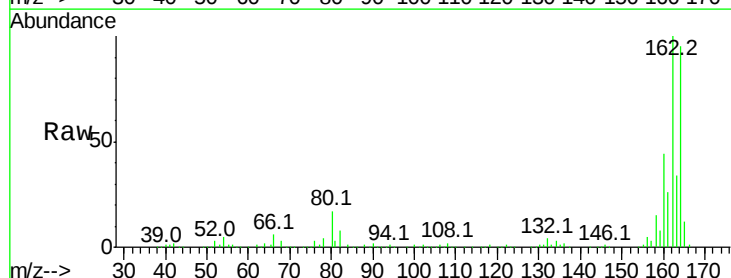
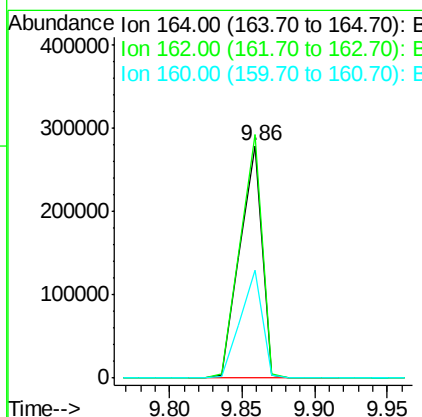
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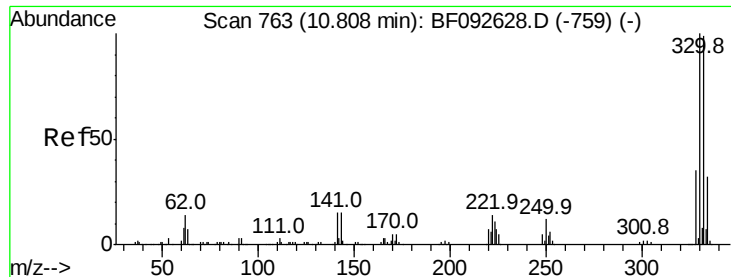
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.00 min
 Lab File: BF093224.D
 Acq: 28 Feb 2017 00:19

Tgt Ion: 164 Resp: 296338
 Ion Ratio Lower Upper
 164 100
 162 104.9 80.2 120.2
 160 46.4 36.9 55.3





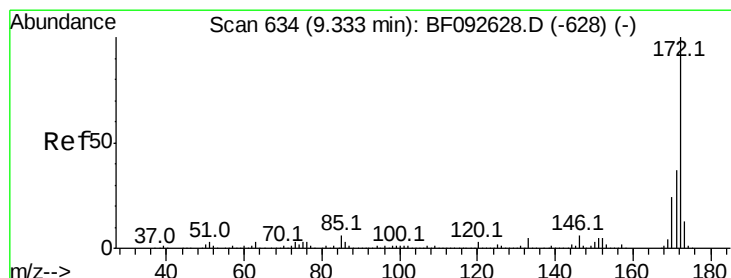
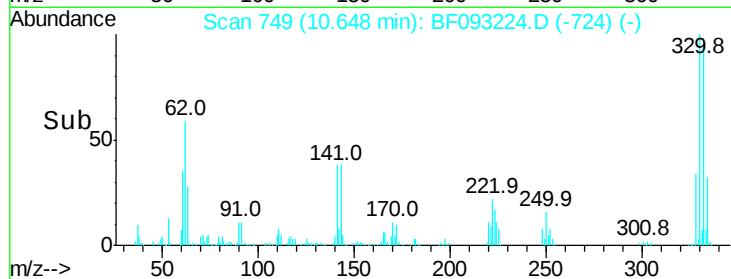
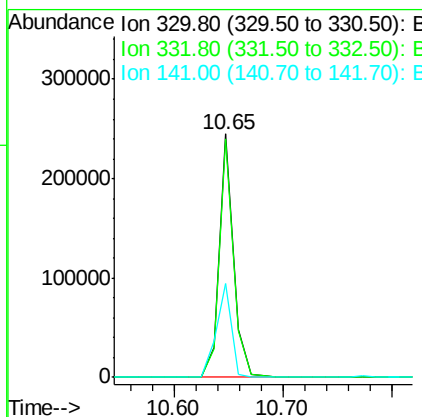
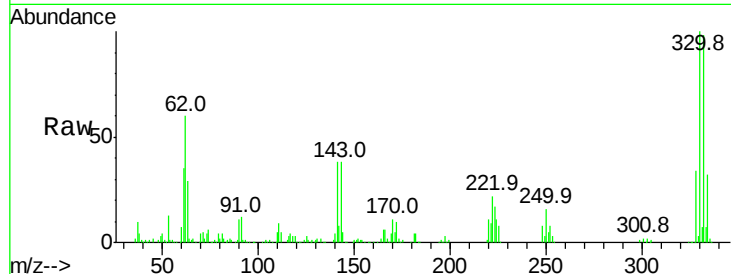
#41
 2,4,6-Tribromophenol
 Concen: 105.91 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF093224.D
 Acq: 28 Feb 2017 00:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5-SWW

Tot Ion	Ratio	Resp	Lower	Upper
330	100	227005		
332	97.8		77.4	116.2
141	42.2		34.1	51.1

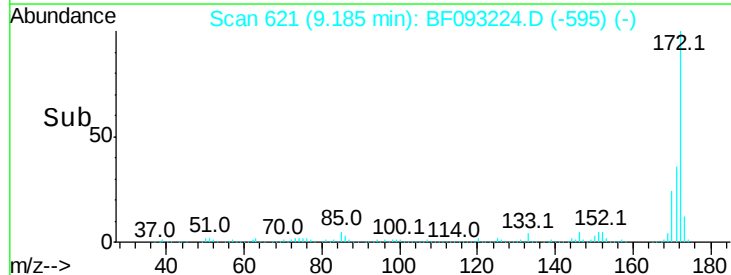
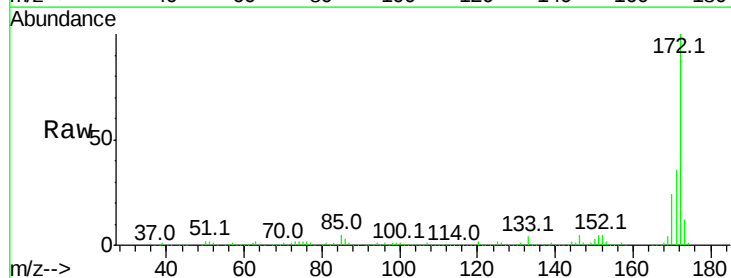
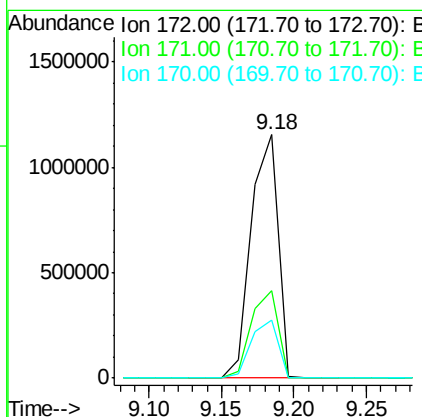
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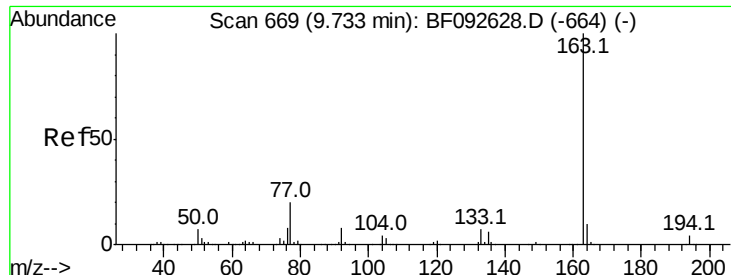
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#44
 2-Fluorobiphenyl
 Concen: 91.62 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.00 min
 Lab File: BF093224.D
 Acq: 28 Feb 2017 00:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1498629		
171	35.7		29.4	44.0
170	23.6		20.2	30.4





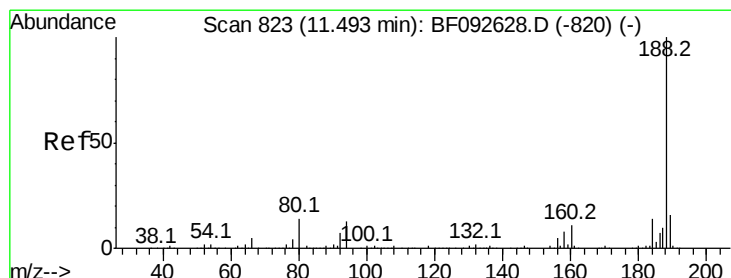
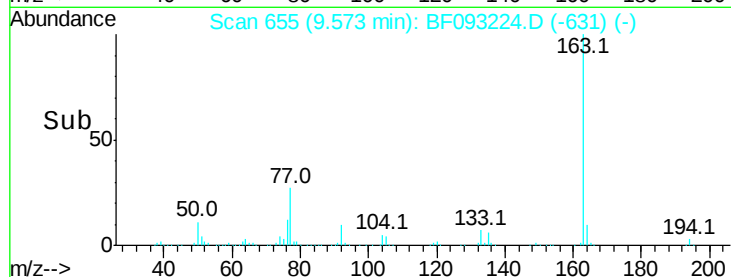
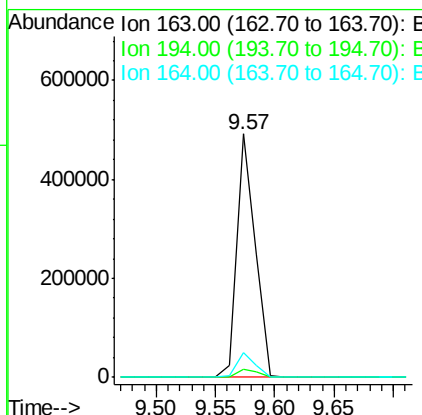
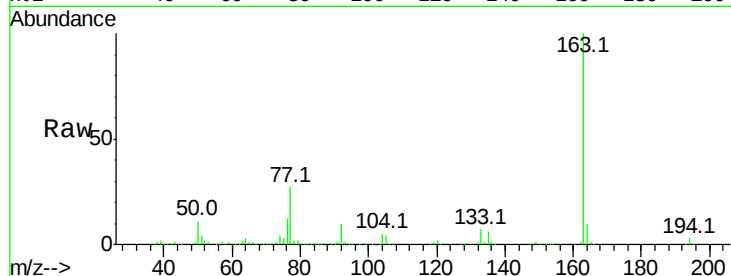
#49
Dimethylphthalate
Concen: 26.45 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.02 min
Lab File: BF093224.D
Acq: 28 Feb 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-AA5-SWW

Tot Ion	Ratio	Resp	Lower	Upper
163	100	527937		
194	3.1		3.0	4.4
164	10.4		8.0	12.0

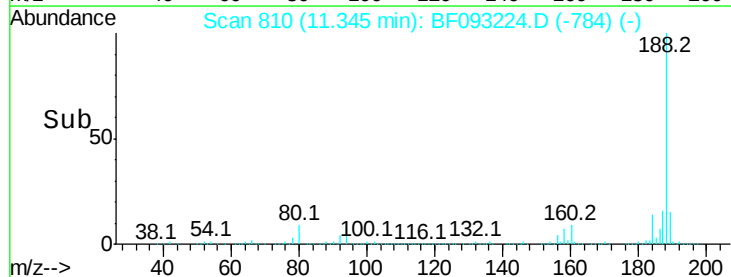
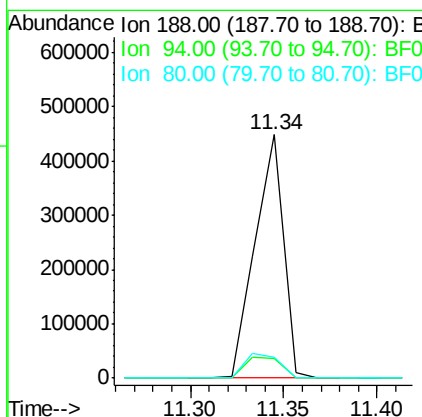
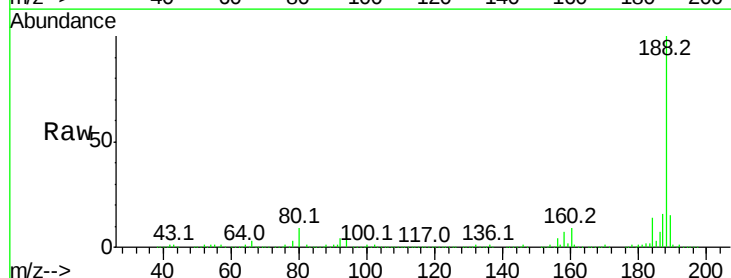
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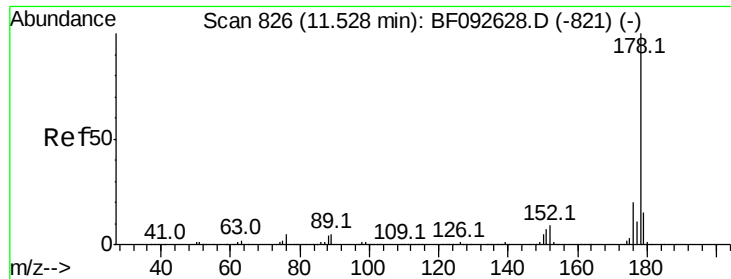
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF093224.D
Acq: 28 Feb 2017 00:19

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	471564		
94	7.9		10.0	15.0#
80	8.6		11.2	16.8#





#70

Phenanthrene

Concen: 19.01 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF093224.D

Acq: 28 Feb 2017 00:19

Instrument :

BNA_F

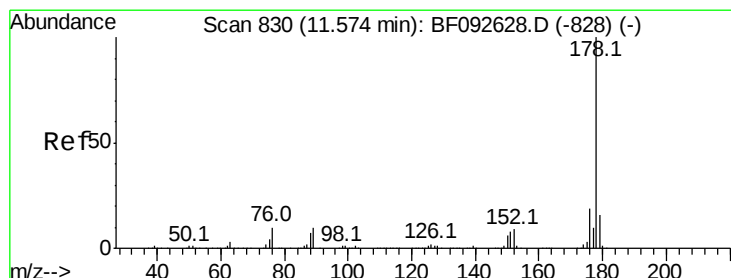
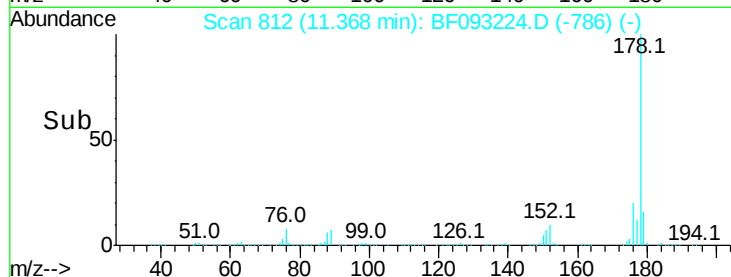
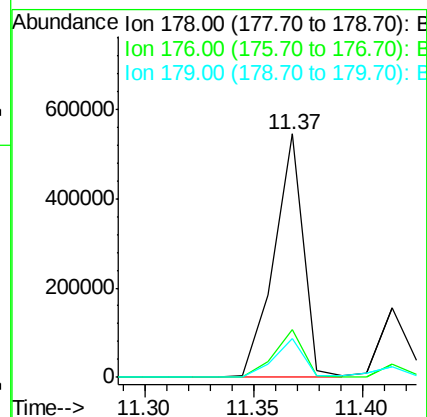
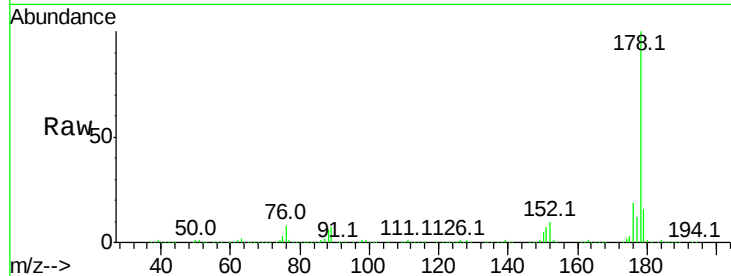
ClientSampleId :

E2-AA5-SWW

Tot Ion:	178	Resp:	513531
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.6	25.0
179	15.7	12.8	19.2

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#71

Anthracene

Concen: 5.21 ng

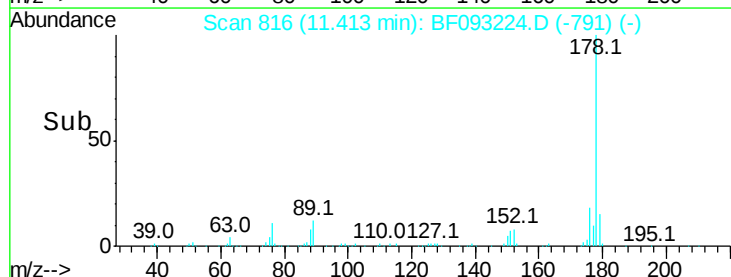
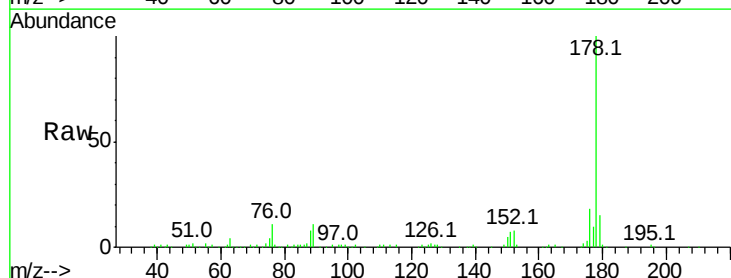
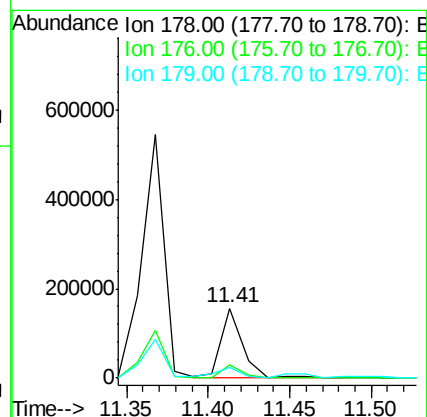
RT: 11.41 min Scan# 816

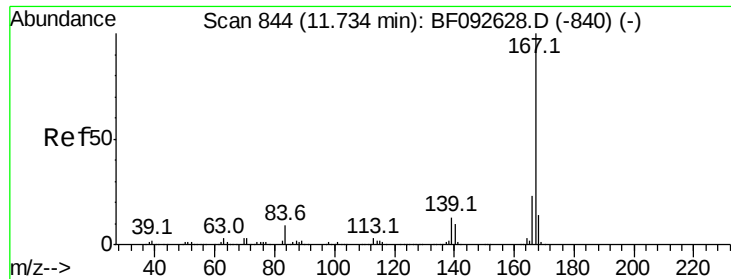
Delta R.T. -0.01 min

Lab File: BF093224.D

Acq: 28 Feb 2017 00:19

Tgt Ion:	178	Resp:	141385
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.9	23.9
179	15.4	13.2	19.8





#72

Carbazole

Concen: 2.08 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF093224.D

Acq: 28 Feb 2017 00:19

Instrument :

BNA_F

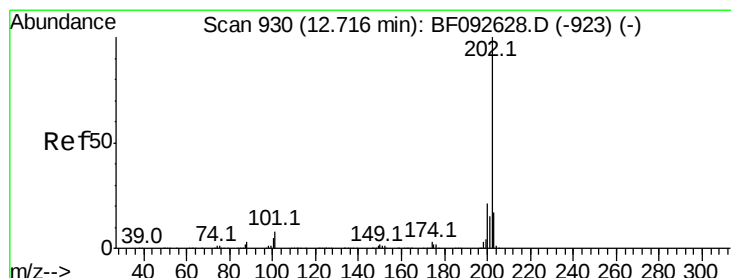
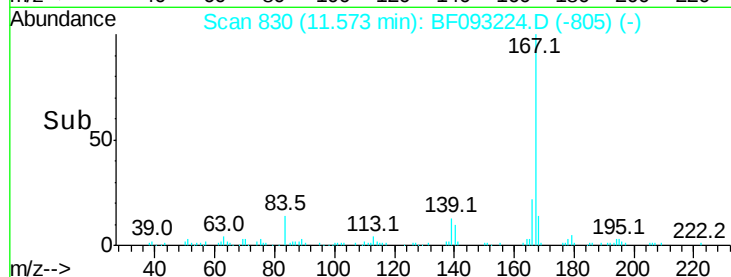
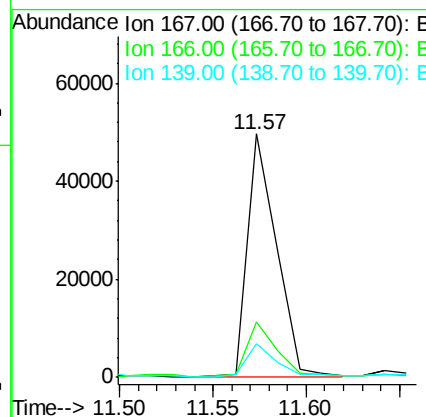
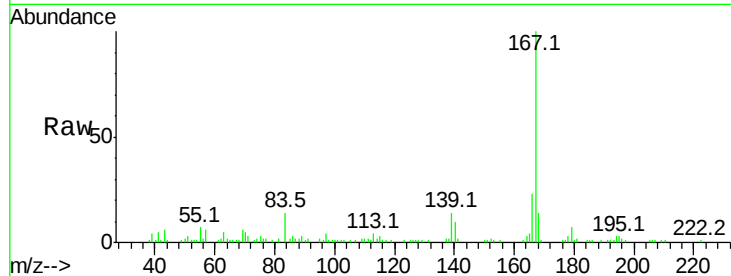
ClientSampleId :

E2-AA5-SWW

Tot Ion:	167	Resp:	54016
Ion Ratio	Lower	Upper	
167	100		
166	22.7	18.2	27.2
139	13.8	11.4	17.2

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#74

Fluoranthene

Concen: 30.08 ng

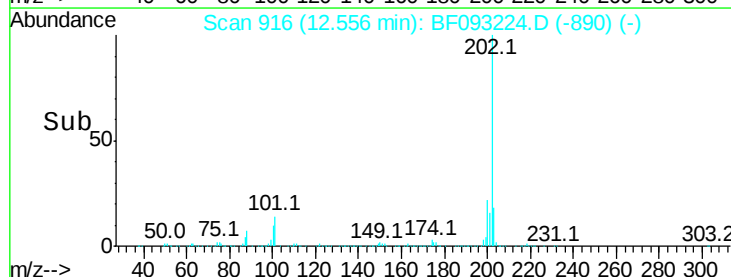
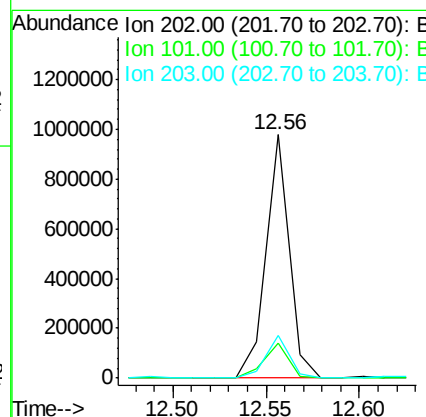
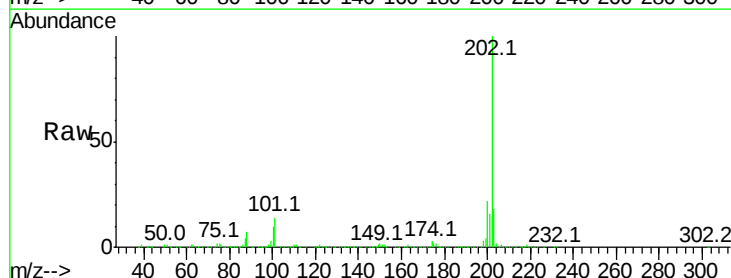
RT: 12.56 min Scan# 916

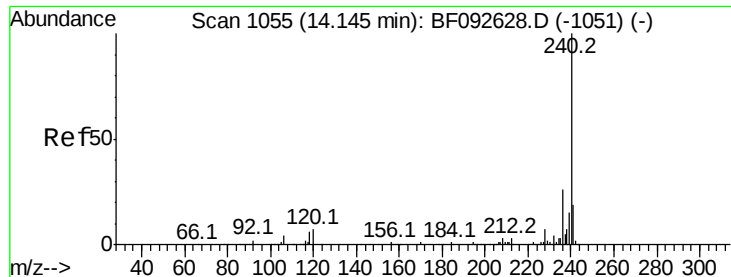
Delta R.T. -0.00 min

Lab File: BF093224.D

Acq: 28 Feb 2017 00:19

Tgt Ion:	202	Resp:	838161
Ion Ratio	Lower	Upper	
202	100		
101	14.1	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: BF093224.D

Acq: 28 Feb 2017 00:19

Instrument :

BNA_F

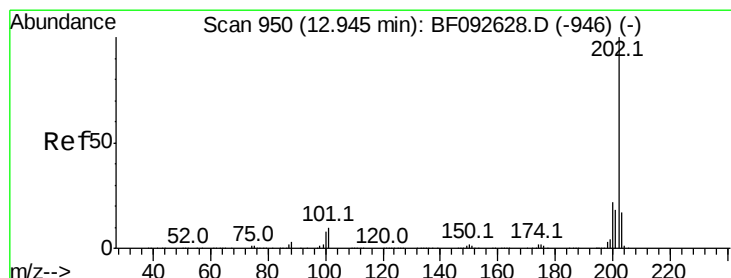
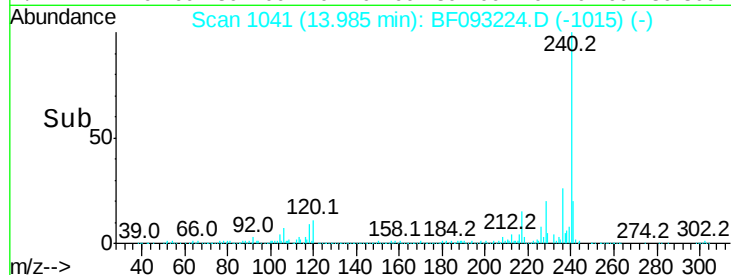
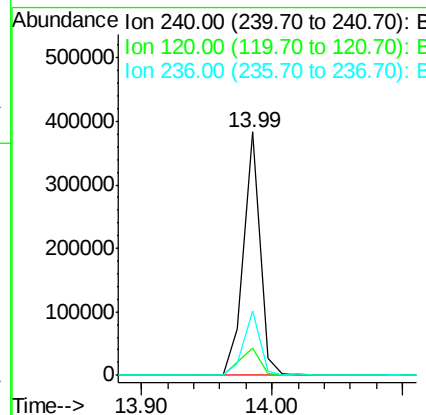
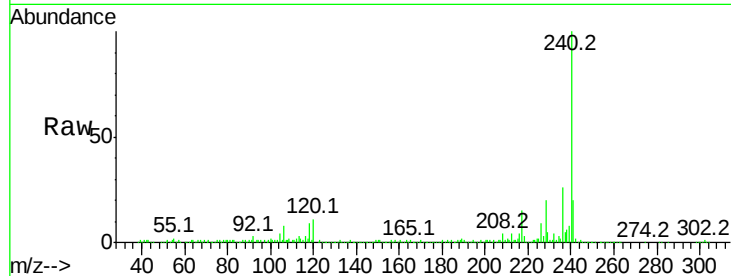
ClientSampleId :

E2-AA5-SWW

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	12.9	19.3#
236	26.2	20.9	31.3

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#77

Pyrene

Concen: 31.81 ng

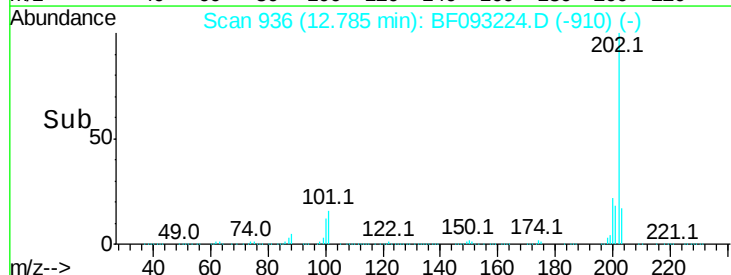
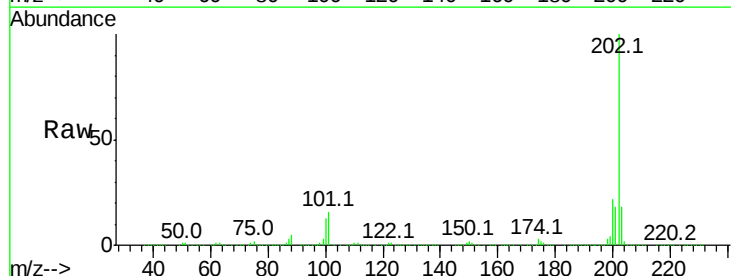
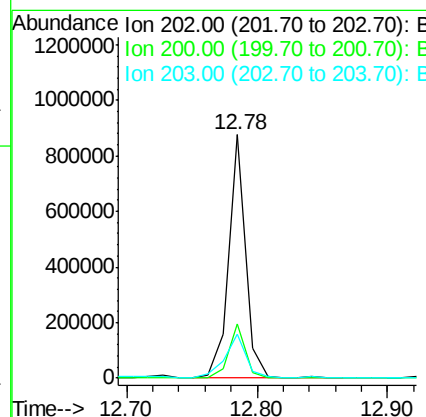
RT: 12.78 min Scan# 936

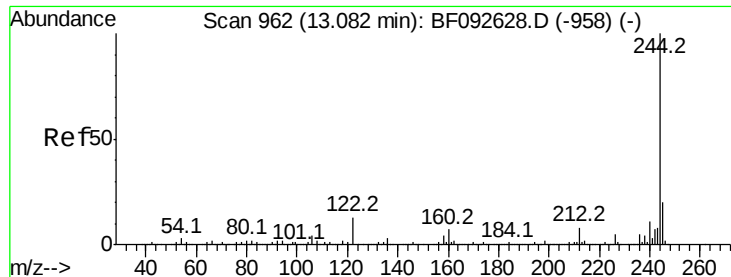
Delta R.T. -0.00 min

Lab File: BF093224.D

Acq: 28 Feb 2017 00:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.7	26.5
203	17.8	14.7	22.1





#78

Terphenyl-d14

Concen: 69.09 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF093224.D

Acq: 28 Feb 2017 00:19

Instrument :

BNA_F

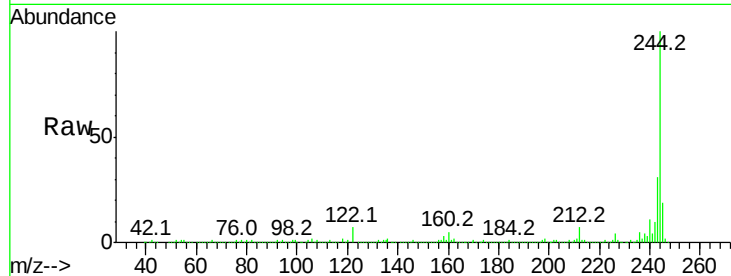
ClientSampleId :

E2-AA5-SWW

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.2	9.2
122	7.5	11.4	17.2#

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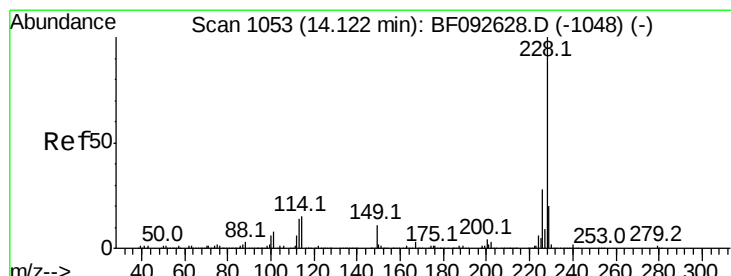
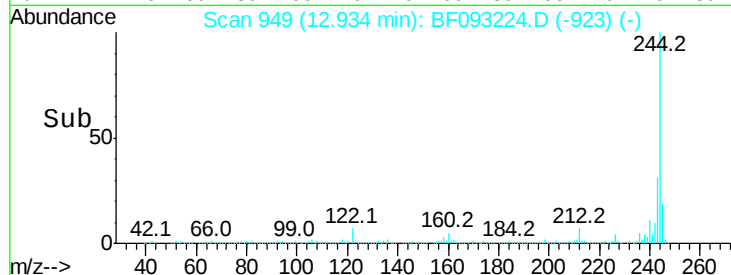
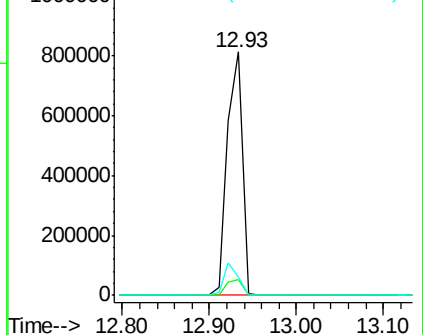
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 19.67 ng m

RT: 13.97 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF093224.D

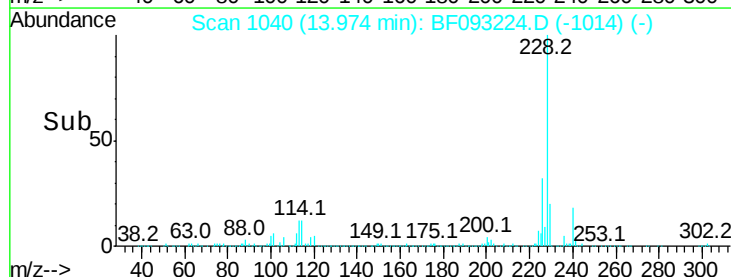
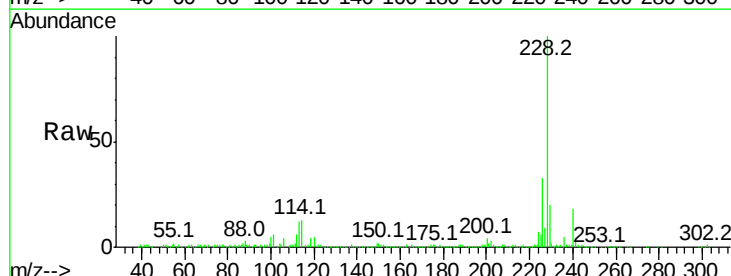
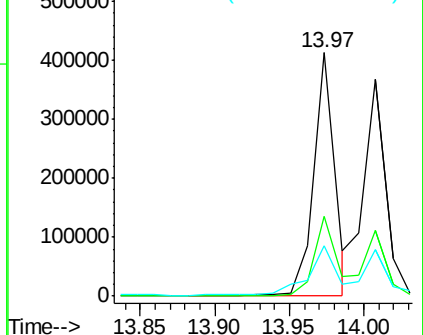
Acq: 28 Feb 2017 00:19

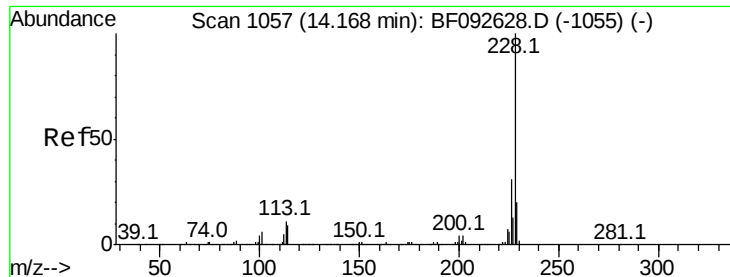
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.4	33.6
229	20.4	16.2	24.4

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





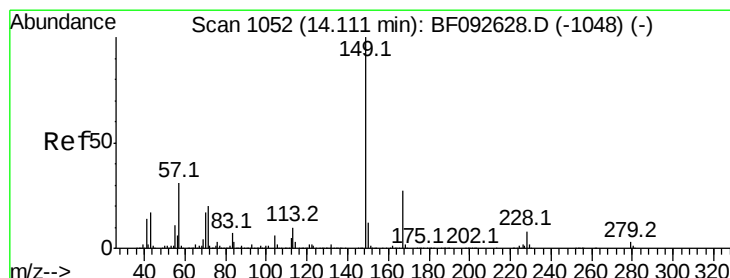
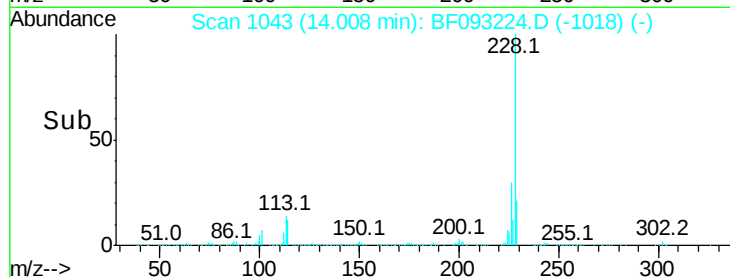
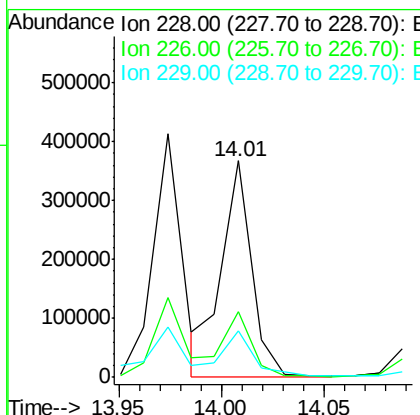
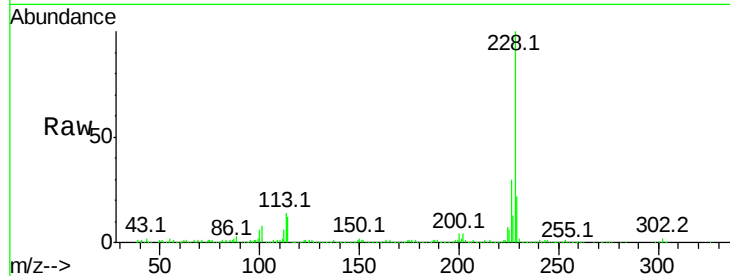
#82
Chrysene
Concen: 19.62 ng/ml
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093224.D
Acq: 28 Feb 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-AA5-SWW

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.4	38.0
229	21.6	16.2	24.2

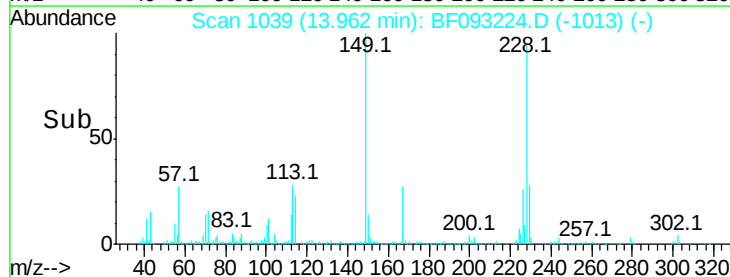
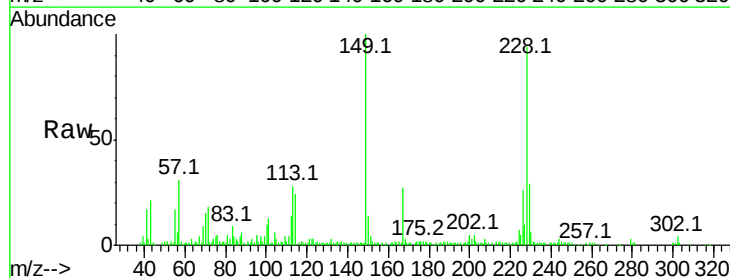
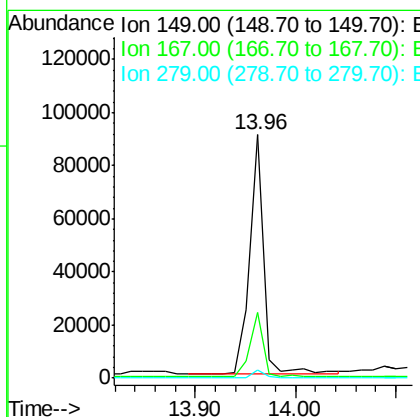
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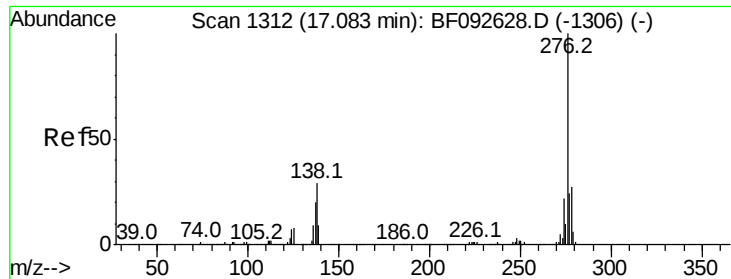
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#83
Bis(2-ethylhexyl)phthalate
Concen: 6.36 ng
RT: 13.96 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF093224.D
Acq: 28 Feb 2017 00:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	20.2	30.4
279	3.2	1.8	2.8





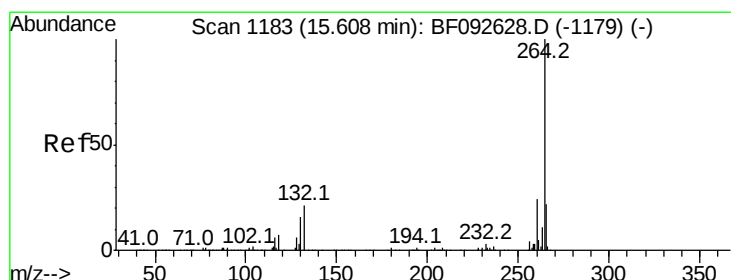
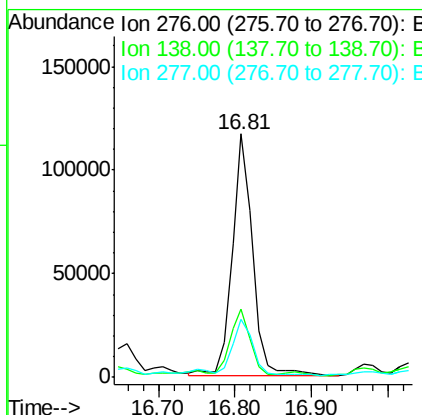
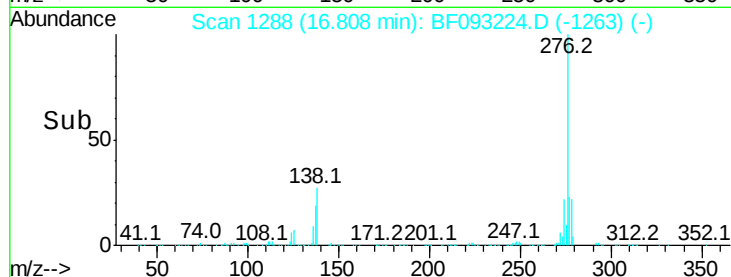
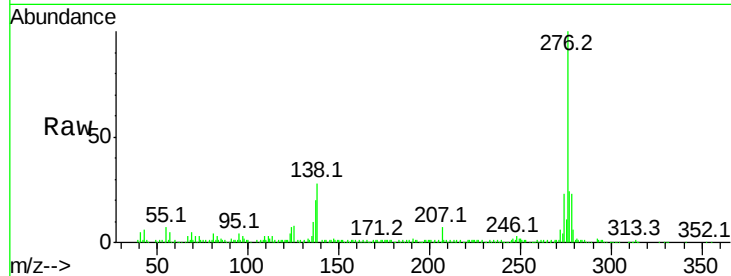
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.66 ng
RT: 16.81 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BF093224.D
Acq: 28 Feb 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-AA5-SWW

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.8	32.6
277	22.0	20.2	30.4

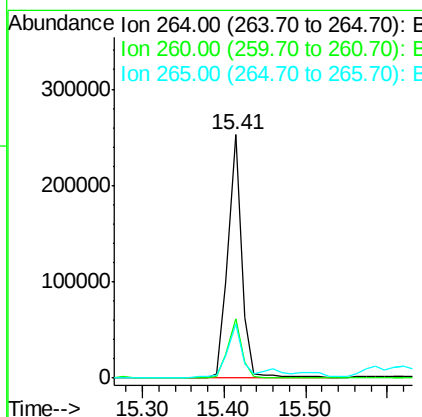
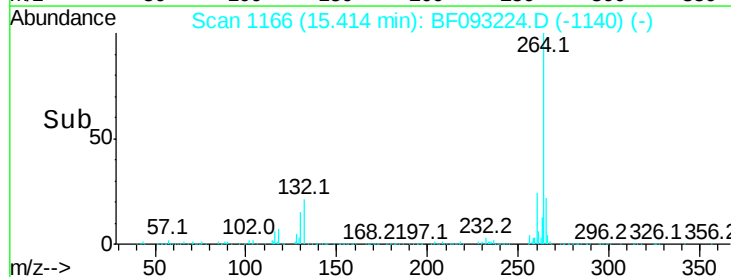
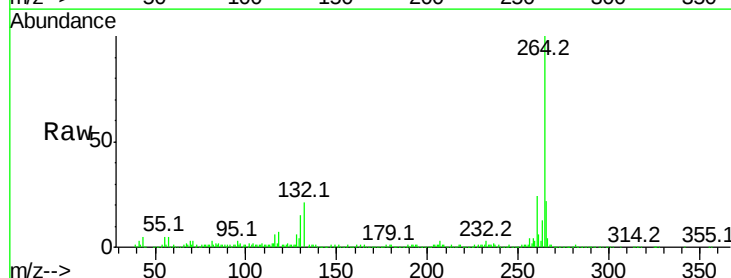
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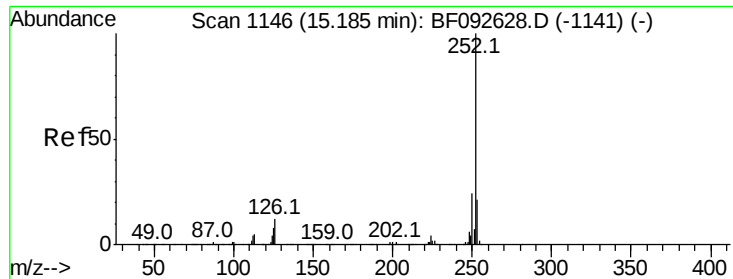
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF093224.D
Acq: 28 Feb 2017 00:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.3	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 22.76 ng m

RT: 15.00 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BF093224.D

Acq: 28 Feb 2017 00:19

Instrument :

BNA_F

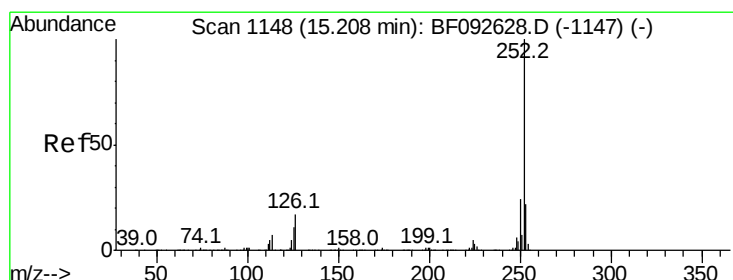
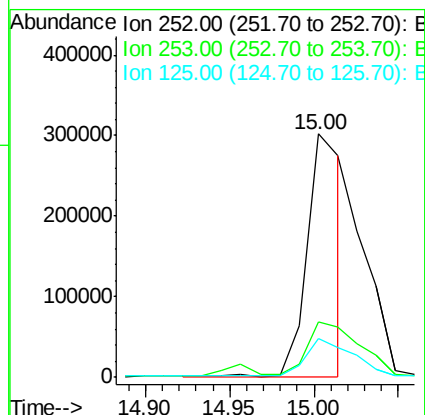
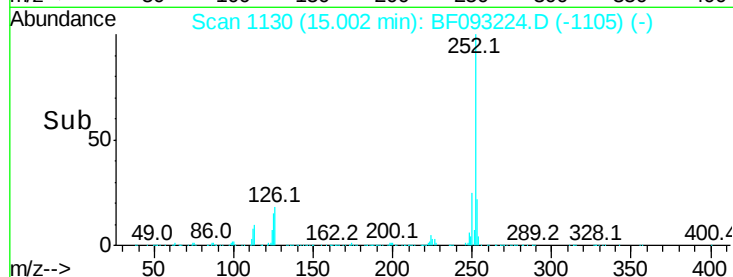
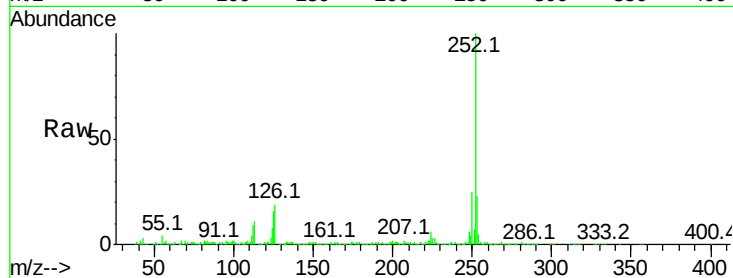
ClientSampleId :

E2-AA5-SWW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	15.9	9.8	14.6

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#88

Benzo(k)fluoranthene

Concen: 12.55 ng m

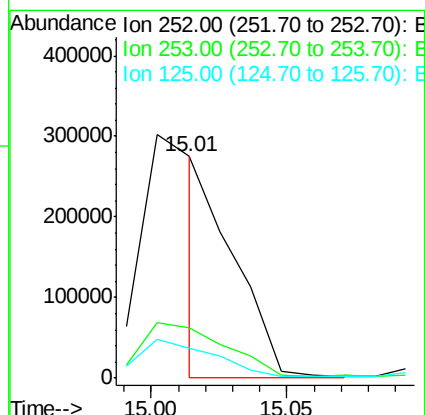
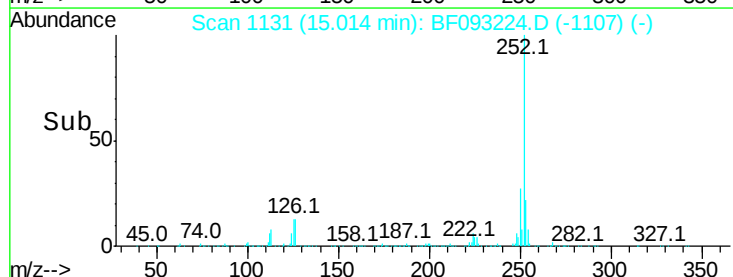
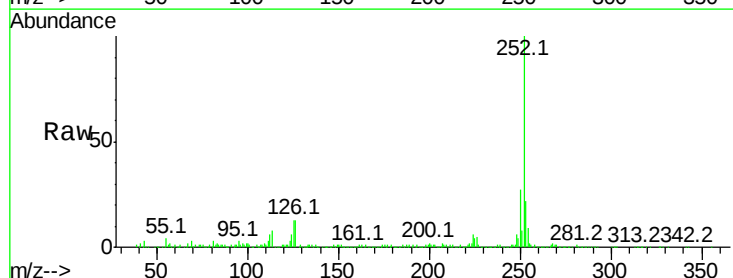
RT: 15.01 min Scan# 1131

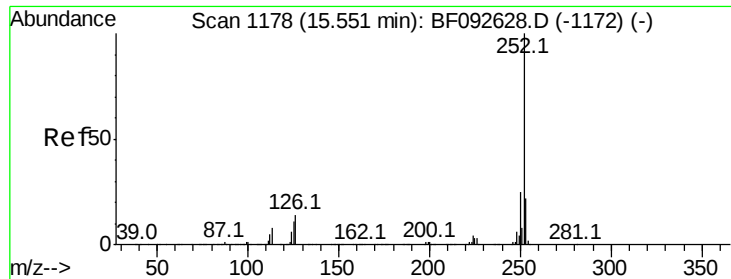
Delta R.T. -0.02 min

Lab File: BF093224.D

Acq: 28 Feb 2017 00:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	13.4	8.9	13.3





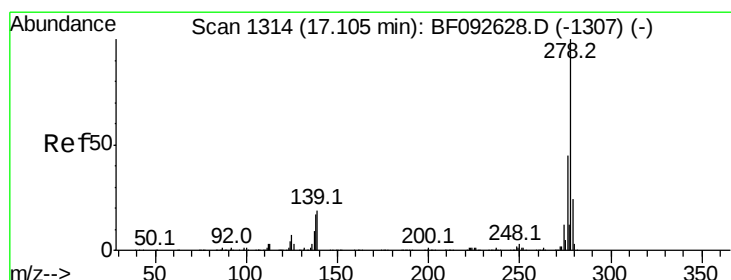
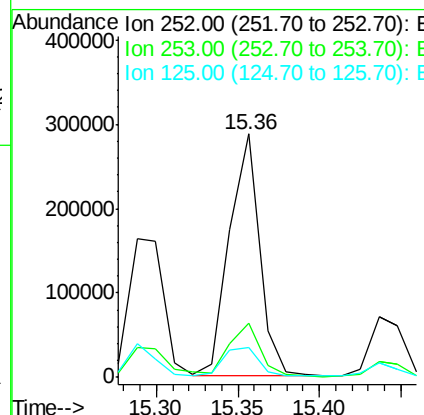
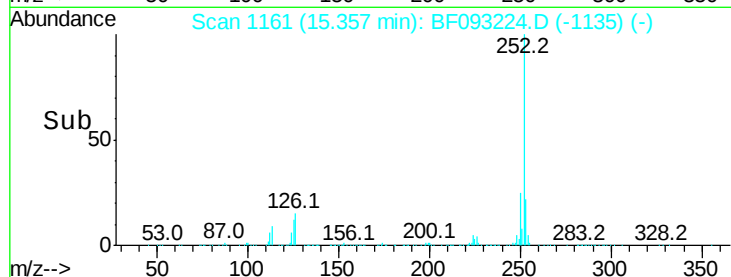
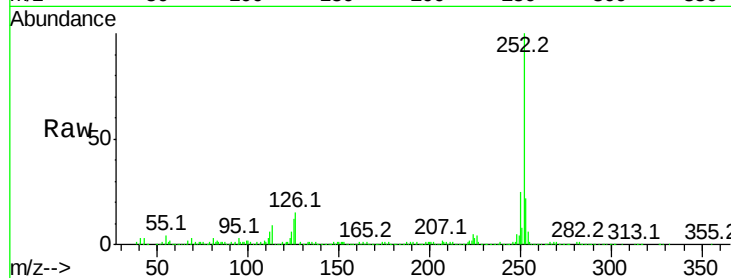
#89
Benzo(a)pyrene
Concen: 21.50 ng
RT: 15.36 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BF093224.D
Acq: 28 Feb 2017 00:19

Instrument :
BNA_F
ClientSampleId :
E2-AA5-SWW

Tot Ion	Ratio	Resp	Lower	Upper
252	100	365141		
253	22.4	18.2	27.2	
125	12.4	10.0	15.0	

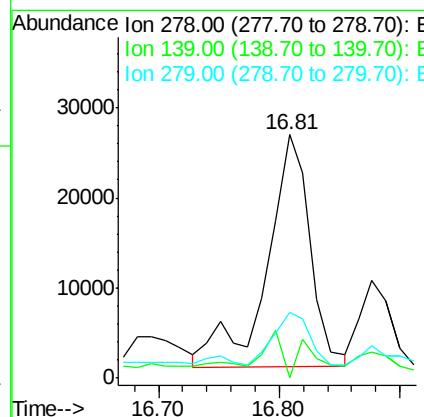
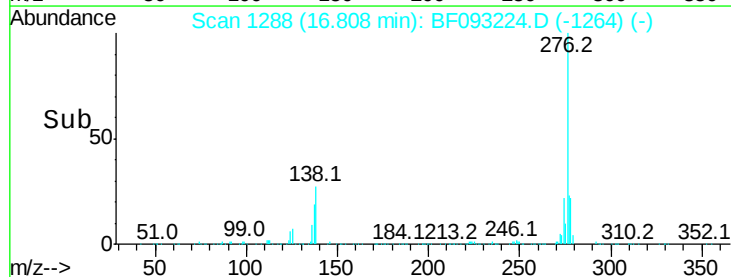
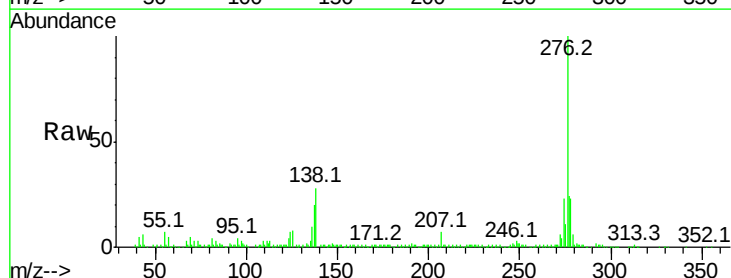
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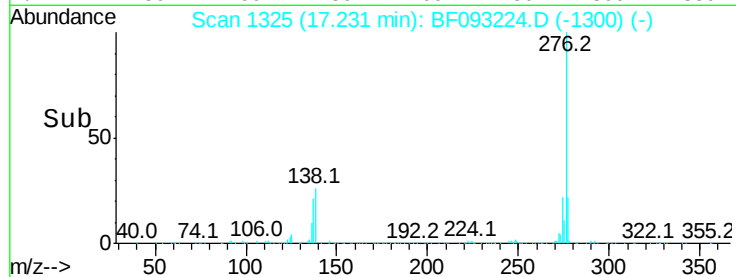
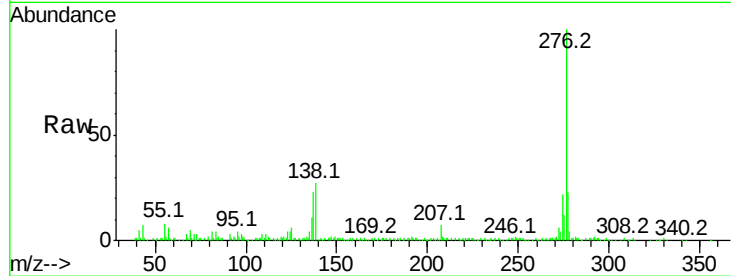
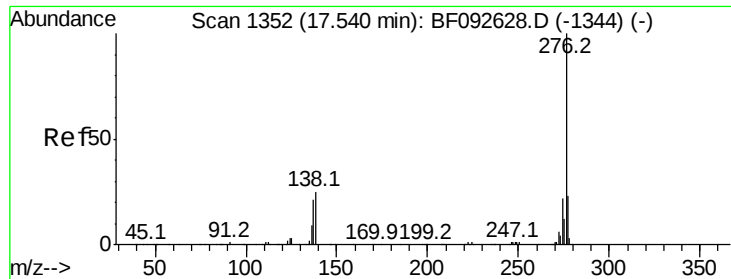
mohammad
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#90
Dibenzo(a,h)anthracene
Concen: 4.70 ng m
RT: 16.81 min Scan# 1288
Delta R.T. -0.02 min
Lab File: BF093224.D
Acq: 28 Feb 2017 00:19

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	64533		
139	0.0	14.8	22.2#	
279	26.7	19.8	29.6	





#91
 Benzo(a,h,i)perylene
 Concen: 14.43 ng
 RT: 17.23 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF093224.D
 Acq: 28 Feb 2017 00:19

Instrument :
 BNA_F
 ClientSampleId :
 E2-AA5-SWW

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.0	19.2	28.8
138	27.1	16.0	24.0

Manual Integrations
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 2/28/2017 2:35:27 PM

