

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093208.D
 Acq On : 27 Feb 2017 14:53
 Operator : SJ/MA
 Sample : I1972-10 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-BASE-2

Manual Integrations
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 2/28/2017 2:29:17 PM

Quant Time: Feb 27 16:00:35 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	6.83	152	158828	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	605320	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	235238	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	360134	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	353710	20.00	ng	-0.01
86) Perylene-d12	15.45	264	289216	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	213044	23.01	ng	-0.02
7) Phenol-d6	6.48	99	271204	22.77	ng	-0.01
23) Nitrobenzene-d5	7.40	82	155846	14.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	33933	19.94	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	272268	20.97	ng	-0.01
78) Terphenyl-d14	12.95	244	175268	11.64	ng	-0.02
Target Compounds						Qvalue
70) Phenanthrene	11.39	178	342690	16.61	ng	97
71) Anthracene	11.45	178	86653	4.18	ng	98
74) Fluoranthene	12.58	202	498070	23.40	ng	97
77) Pyrene	12.81	202	464768	17.56	ng	99
80) Benzo(a)anthracene	14.00	228	296818	13.72	ng	95
82) Chrysene	14.03	228	221375	10.93	ng	98
85) Indeno(1,2,3-cd)pyrene	16.85	276	102155	6.51	ng	98
87) Benzo(b)fluoranthene	15.04	252	338270m	17.77	ng	
88) Benzo(k)fluoranthene	15.05	252	82406m	5.01	ng	
89) Benzo(a)pyrene	15.38	252	195416	11.87	ng	# 97
90) Dibenzo(a,h)anthracene	16.85	278	29077	2.18	ng	# 78
91) Benzo(a,h,i)perylene	17.28	276	96122	7.15	ng	# 92

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

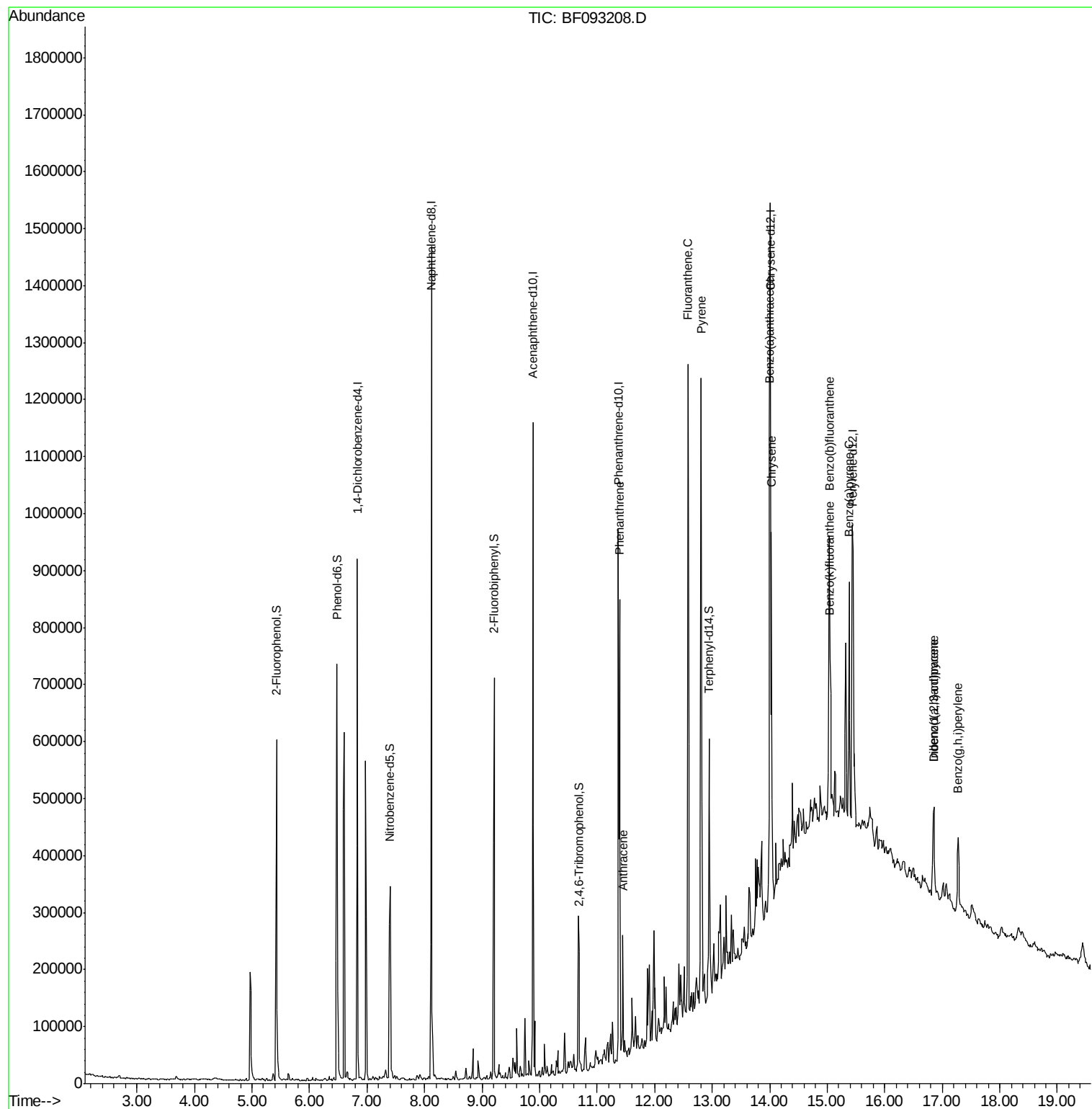
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

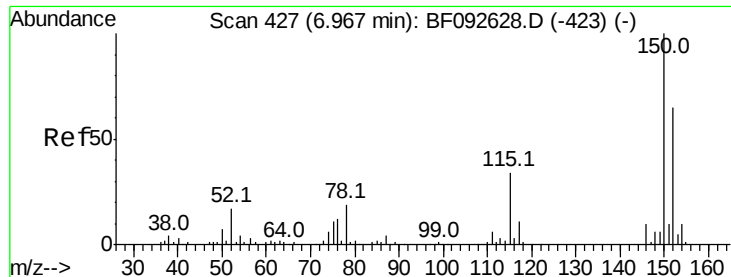
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF093208.D

Acq: 27 Feb 2017 14:53

Instrument :

BNA_F

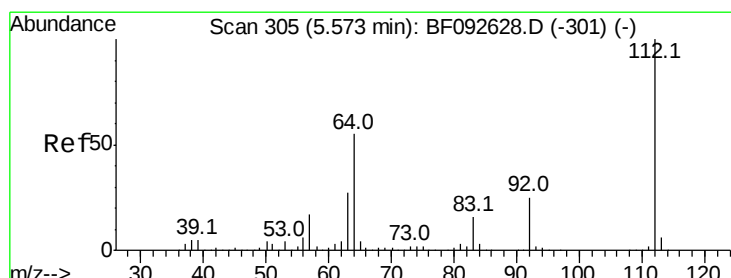
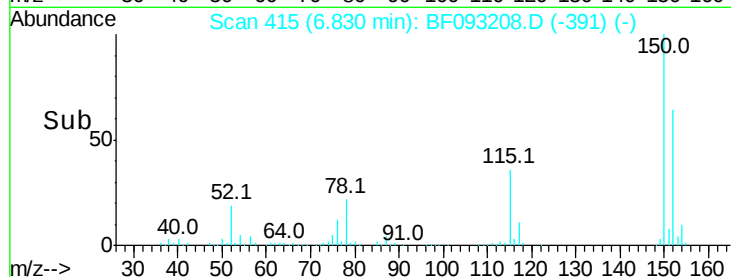
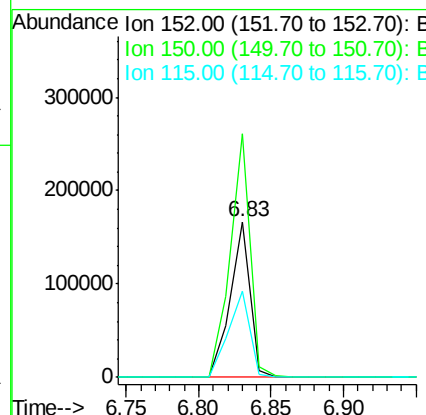
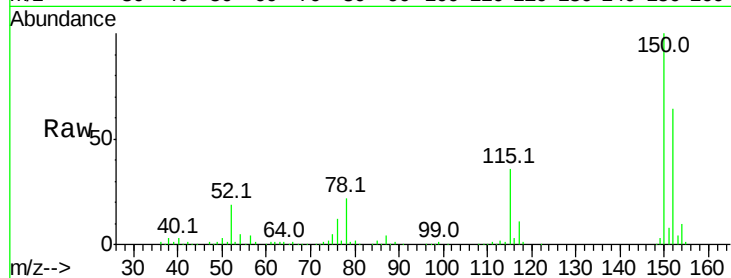
ClientSampleId :

E2-B1-BASE-2

Tot Ion:	152	Resp:	158828
Ion Ratio	Lower	Upper	
152	100		
150	156.2	124.9	187.3
115	55.6	46.0	69.0

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#5

2-Fluorophenol

Concen: 23.01 ng

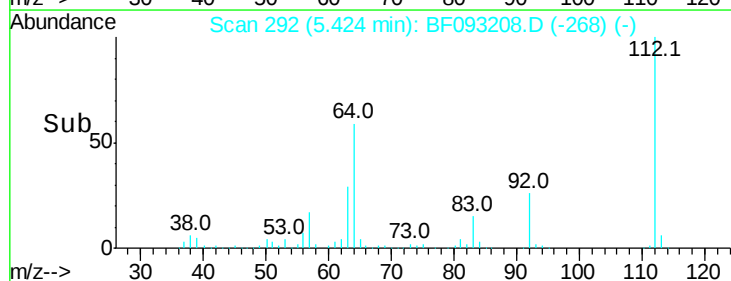
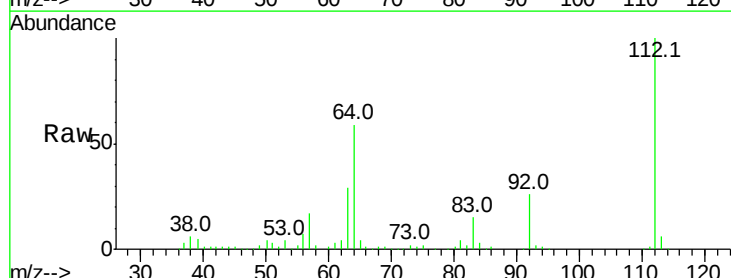
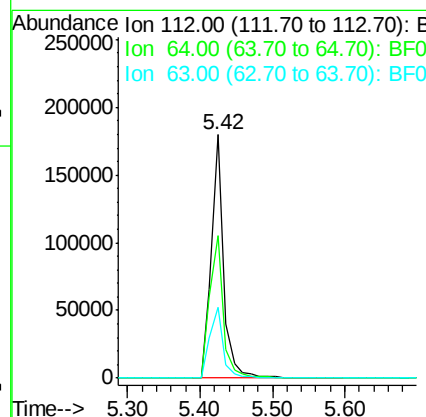
RT: 5.42 min Scan# 292

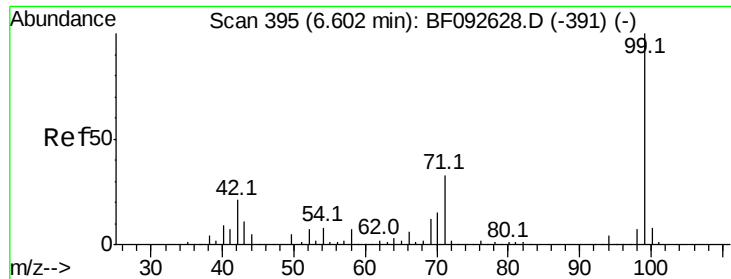
Delta R.T. -0.02 min

Lab File: BF093208.D

Acq: 27 Feb 2017 14:53

Tgt Ion:	112	Resp:	213044
Ion Ratio	Lower	Upper	
112	100		
64	58.6	46.1	69.1
63	29.2	23.8	35.6





#7

Phenol-d6

Concen: 22.77 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093208.D

Acq: 27 Feb 2017 14:53

Instrument :

BNA_F

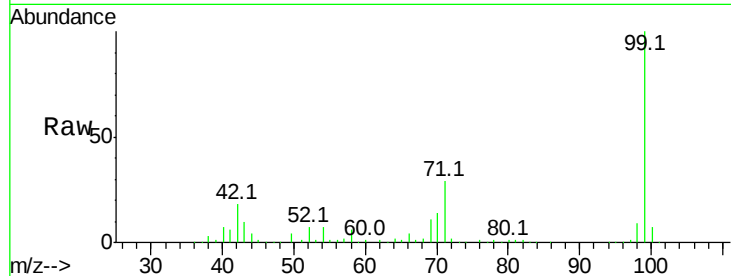
ClientSampleId :

E2-B1-BASE-2

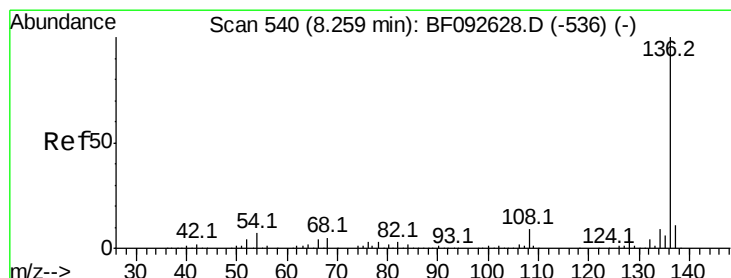
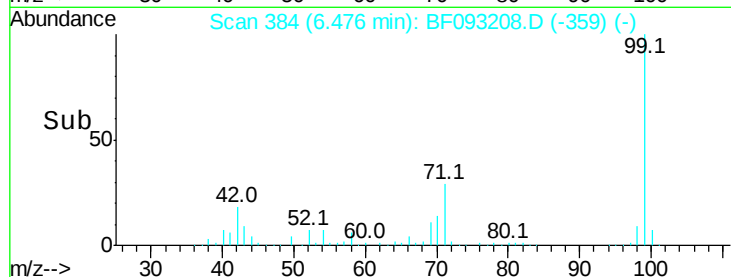
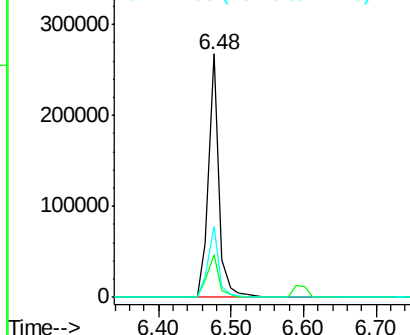
Tot Ion:	99	Resp:	271204
Ion Ratio	Lower	Upper	
99	100		
42	17.7	15.6	23.4
71	29.3	27.5	41.3

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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: 8.12 min Scan# 528

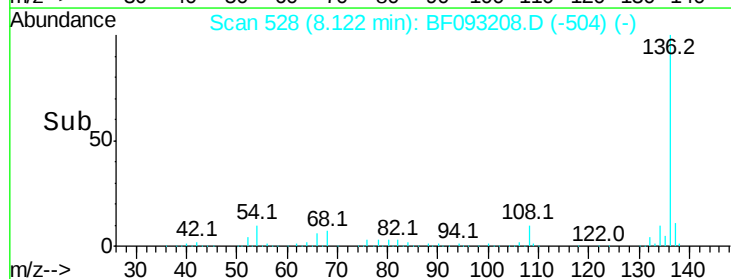
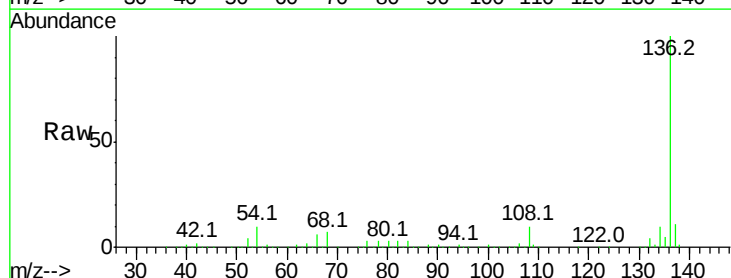
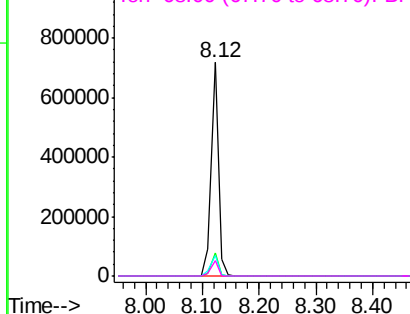
Delta R.T. -0.02 min

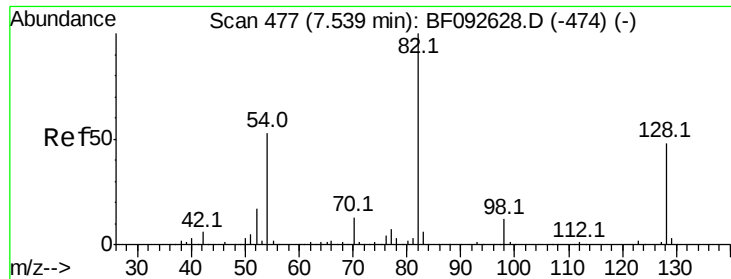
Lab File: BF093208.D

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Tgt Ion:	136	Resp:	605320
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.4	12.6
54	9.5	4.5	6.7#
68	7.0	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





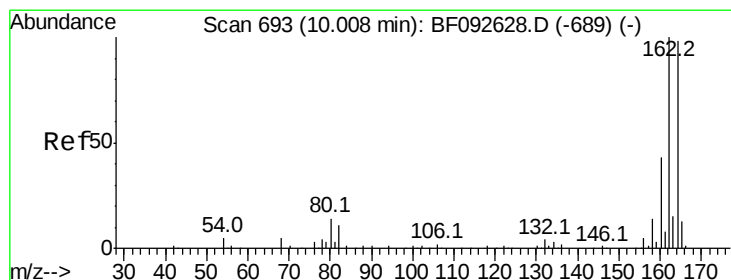
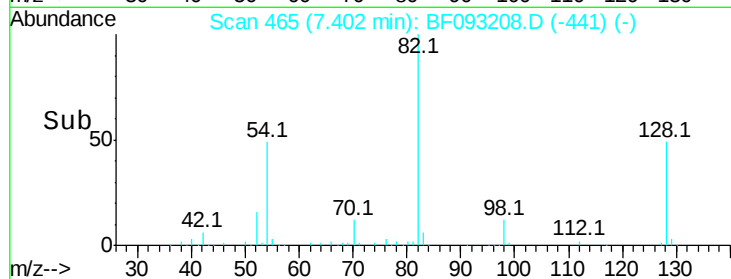
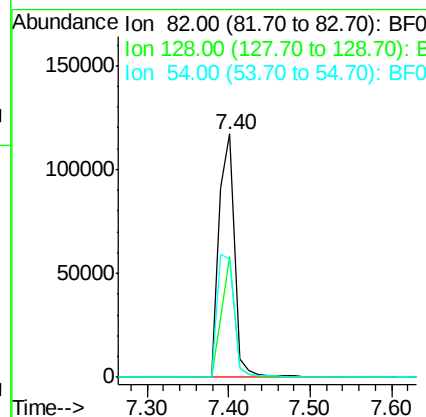
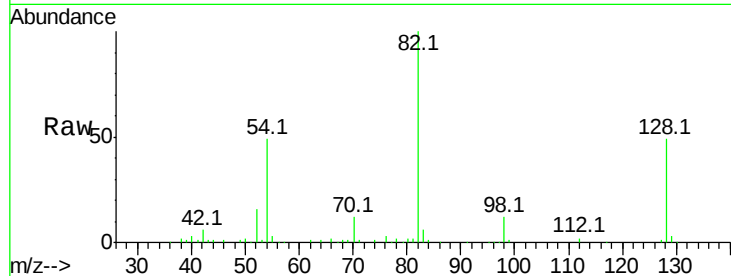
#23
Nitrobenzene-d5
Concen: 14.34 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.5	34.6	52.0
54	48.8	39.5	59.3

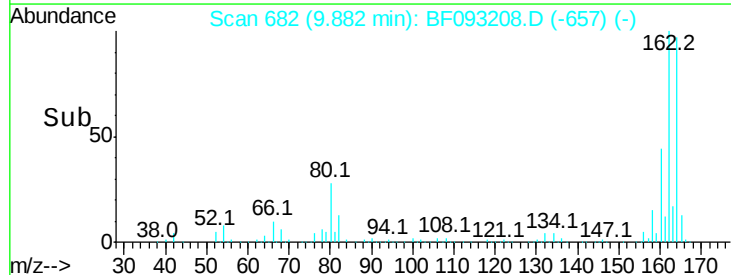
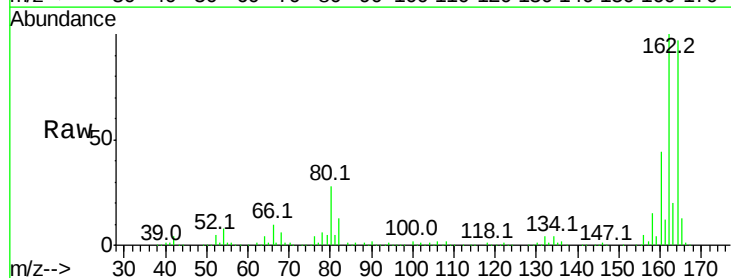
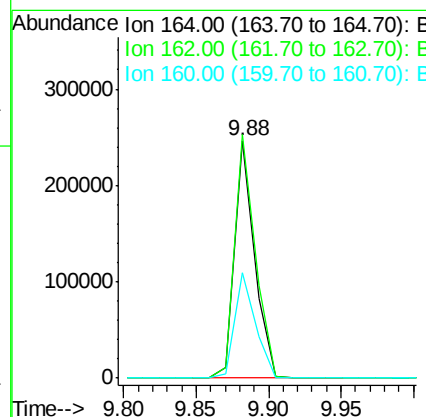
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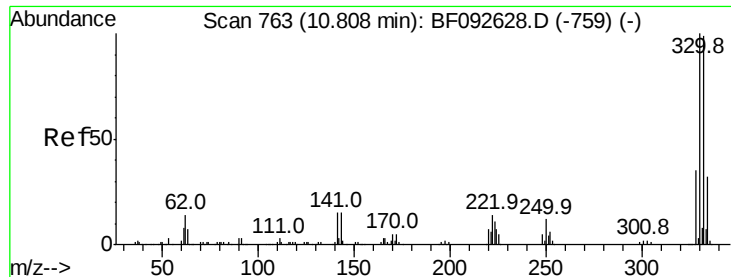
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.2	120.2
160	44.6	36.9	55.3





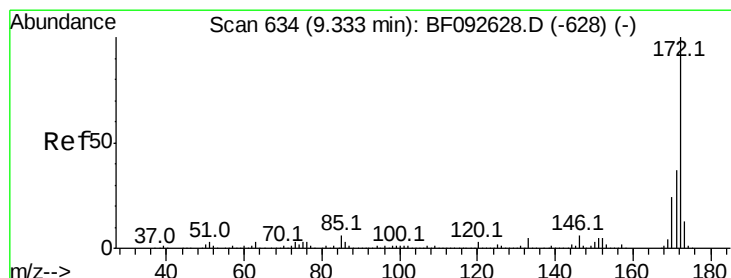
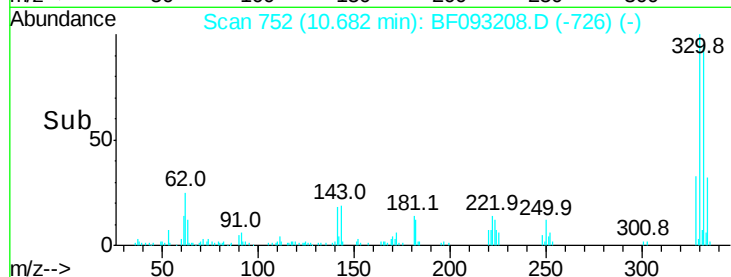
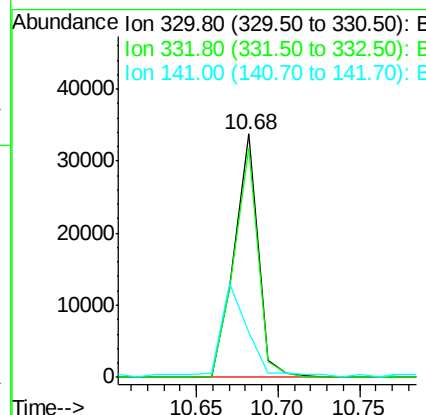
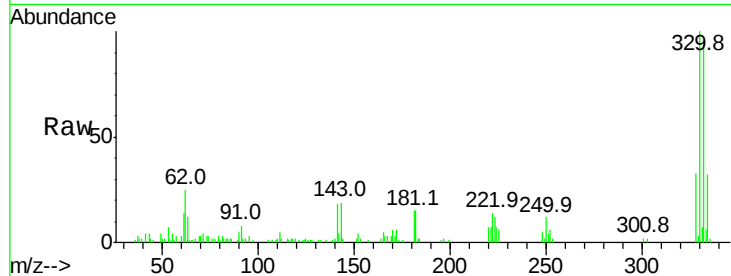
#41
 2,4,6-Tribromophenol
 Concen: 19.94 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: BF093208.D
 Acq: 27 Feb 2017 14:53

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-BASE-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.8	77.4	116.2	
141	46.4	34.1	51.1	

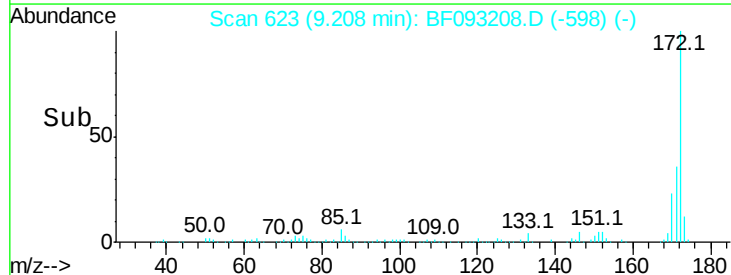
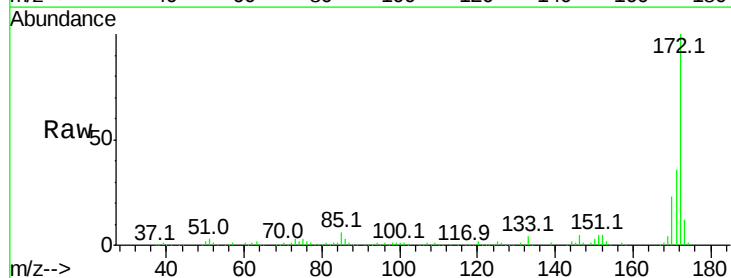
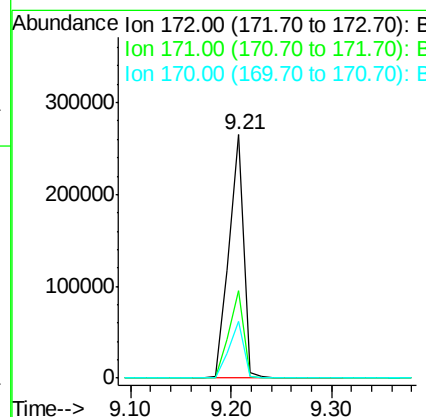
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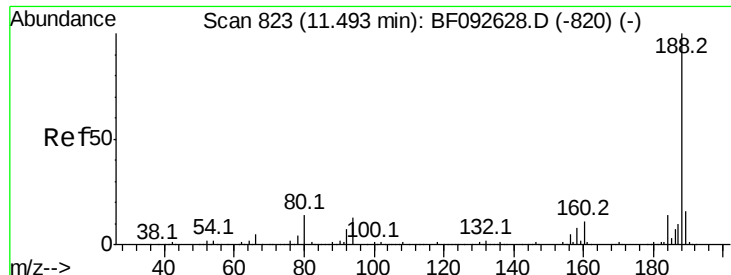
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#44
 2-Fluorobiphenyl
 Concen: 20.97 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093208.D
 Acq: 27 Feb 2017 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.2	29.4	44.0	
170	23.4	20.2	30.4	





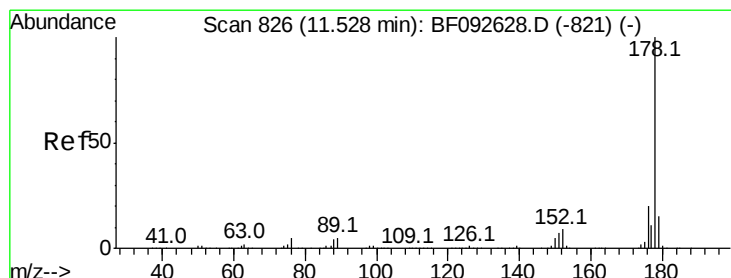
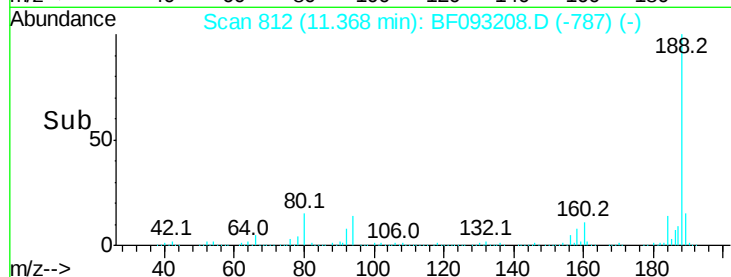
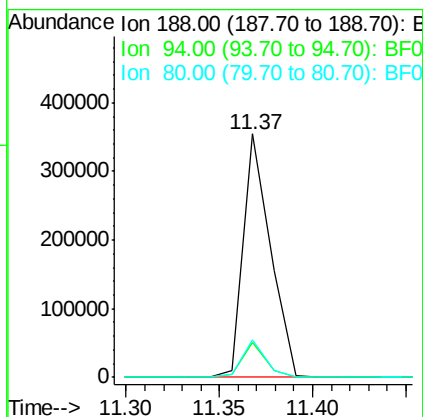
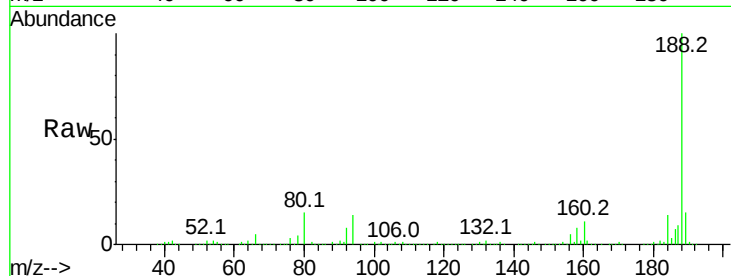
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	360134		
94	14.2	10.0	15.0	
80	15.4	11.2	16.8	

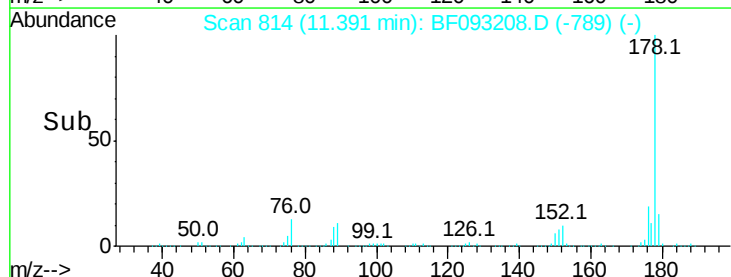
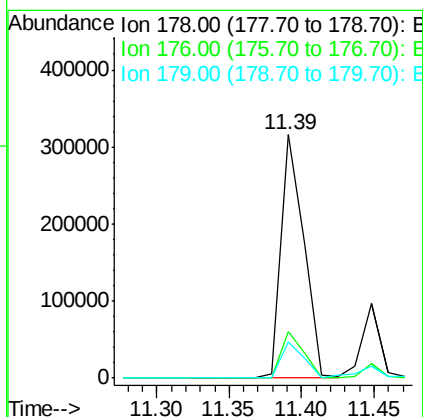
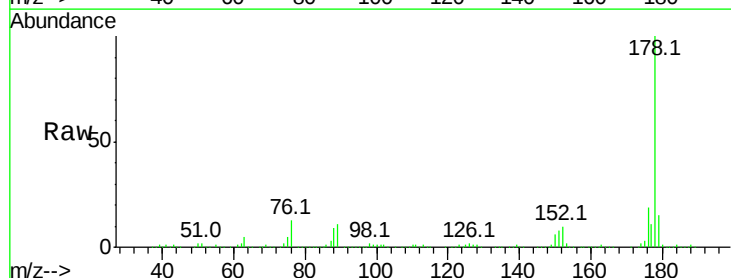
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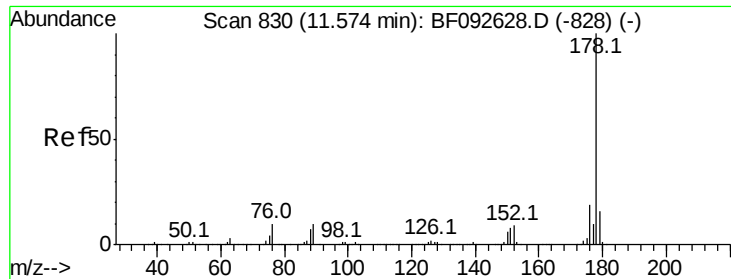
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#70
Phenanthrene
Concen: 16.61 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	342690		
176	19.0	16.6	25.0	
179	15.2	12.8	19.2	





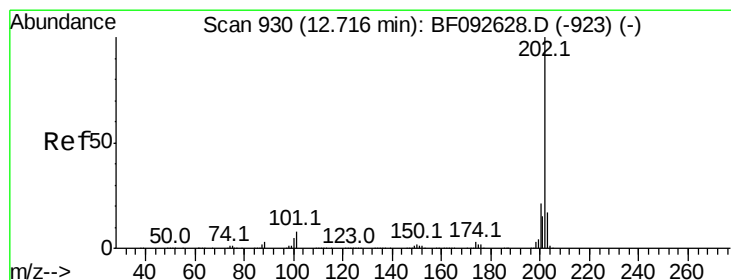
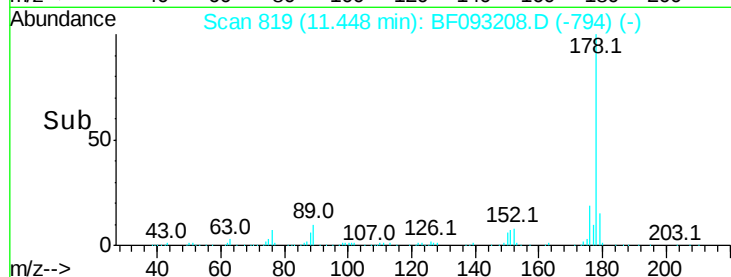
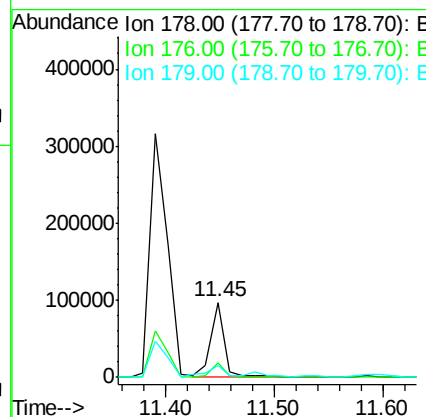
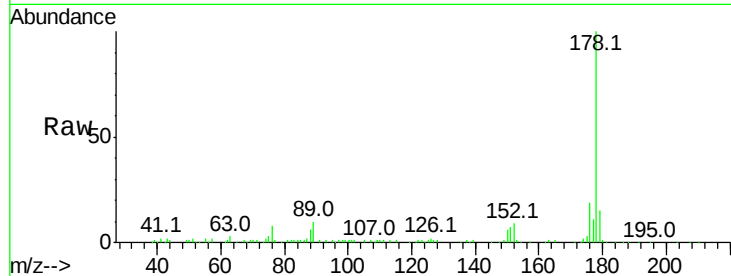
#71
 Anthracene
 Concen: 4.18 ng
 RT: 11.45 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BF093208.D
 Acq: 27 Feb 2017 14:53

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-BASE-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	15.4	13.2	19.8

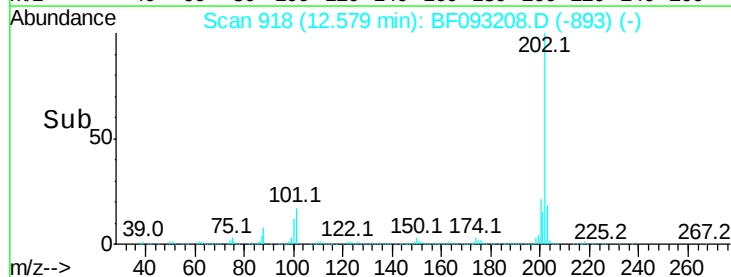
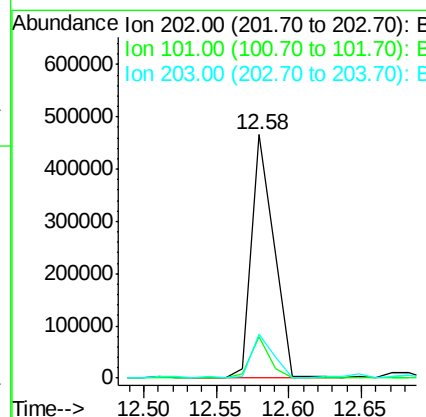
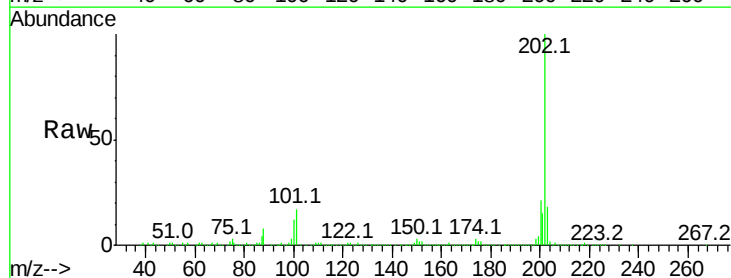
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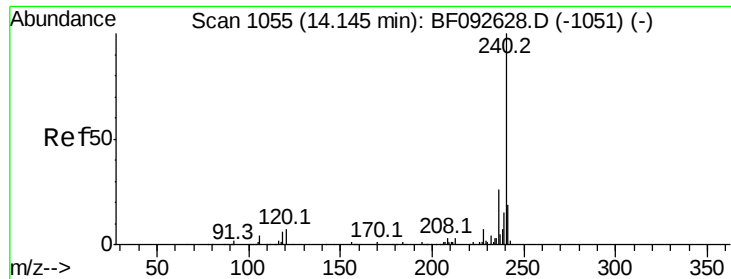
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#74
 Fluoranthene
 Concen: 23.40 ng
 RT: 12.58 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: BF093208.D
 Acq: 27 Feb 2017 14:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.2	0.0	34.6
203	18.3	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093208.D

Acq: 27 Feb 2017 14:53

Instrument :

BNA_F

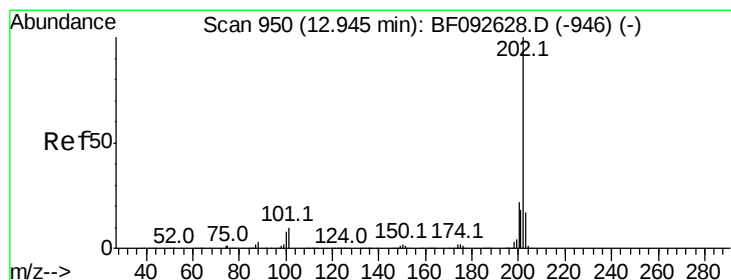
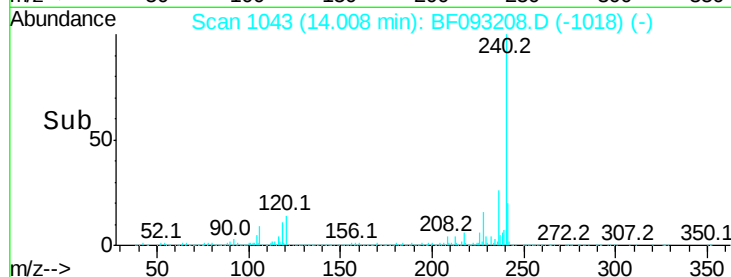
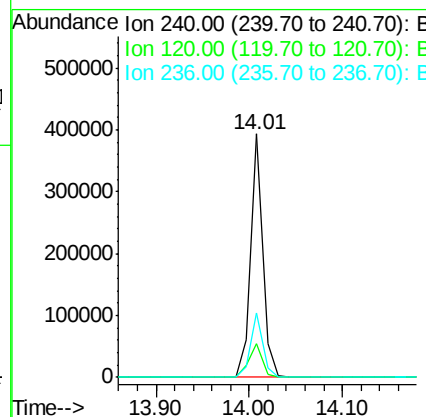
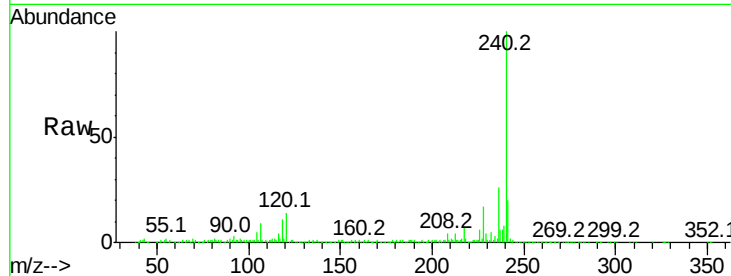
ClientSampleId :

E2-B1-BASE-2

Tot Ion:	240	Resp:	353710
Ion Ratio	Lower	Upper	
240	100		
120	14.0	12.9	19.3
236	26.5	20.9	31.3

Manual Integrations
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#77

Pyrene

Concen: 17.56 ng

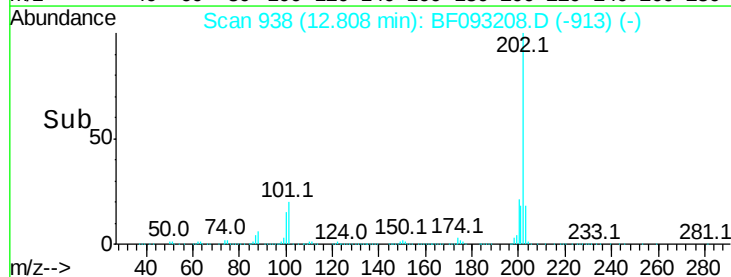
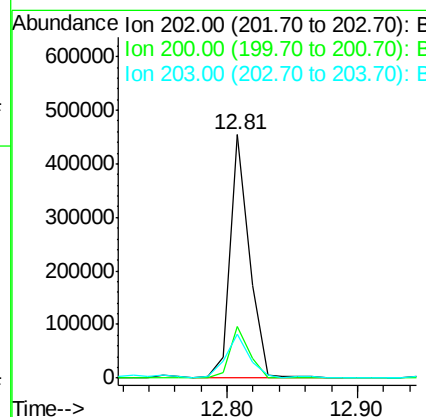
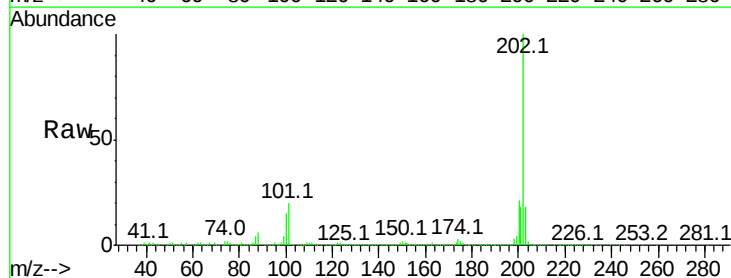
RT: 12.81 min Scan# 938

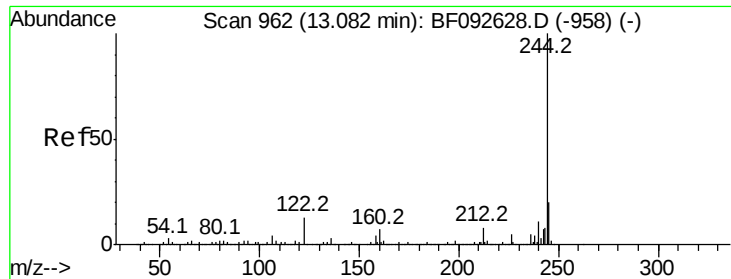
Delta R.T. -0.01 min

Lab File: BF093208.D

Acq: 27 Feb 2017 14:53

Tgt Ion:	202	Resp:	464768
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	18.2	14.7	22.1





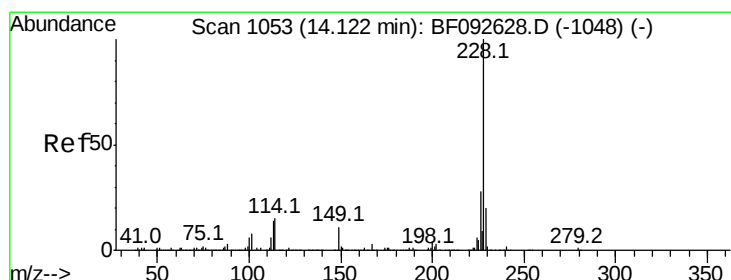
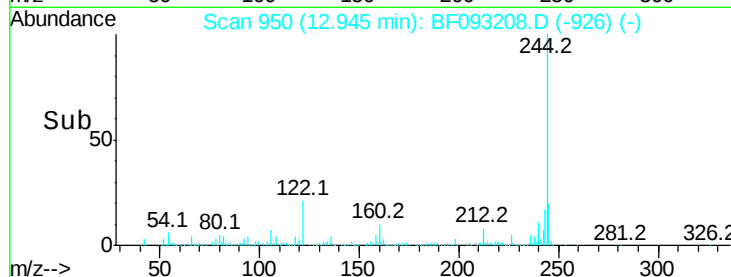
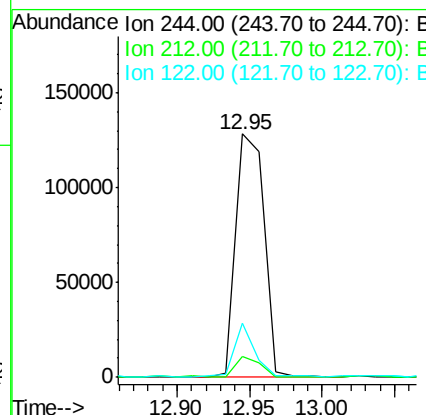
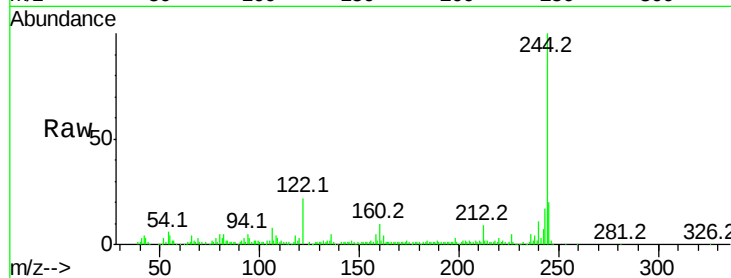
#78
 Terphenyl-d14
 Concen: 11.64 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF093208.D
 Acq: 27 Feb 2017 14:53

Instrument :
 BNA_F
 ClientSampleId :
 E2-B1-BASE-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.2	9.2
122	22.1	11.4	17.2

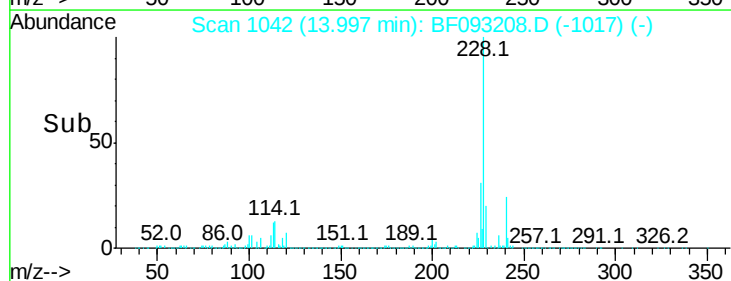
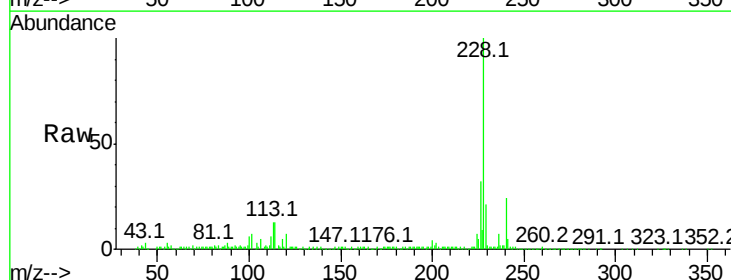
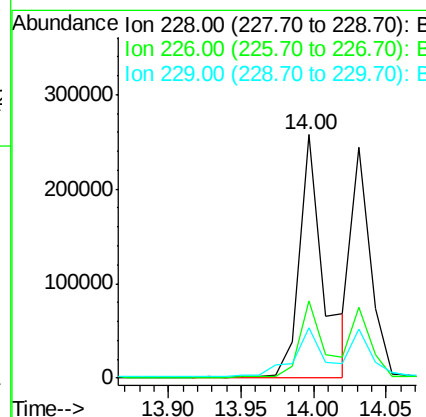
Manual Integrations
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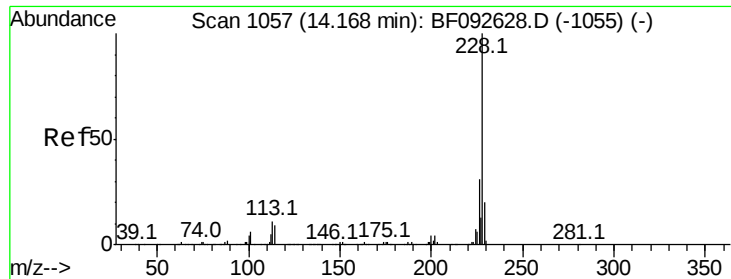
mohammad
 2/28/2017 2:29:17 PM



#80
 Benzo(a)anthracene
 Concen: 13.72 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF093208.D
 Acq: 27 Feb 2017 14:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.4	33.6
229	20.9	16.2	24.4





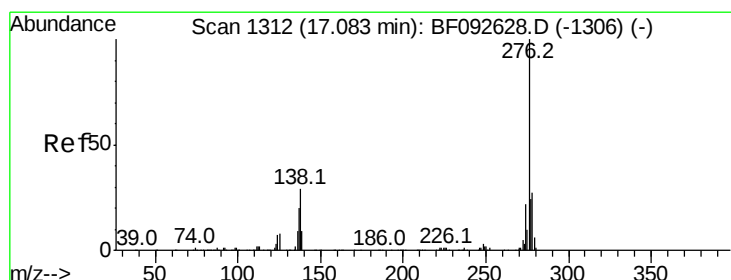
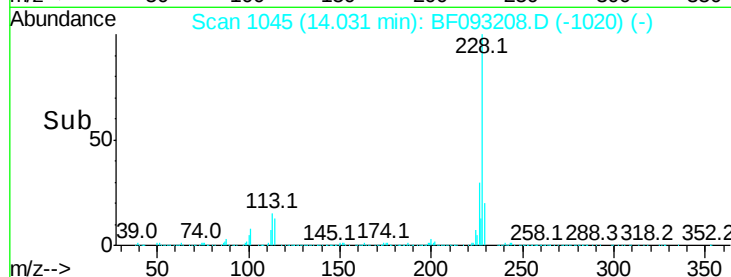
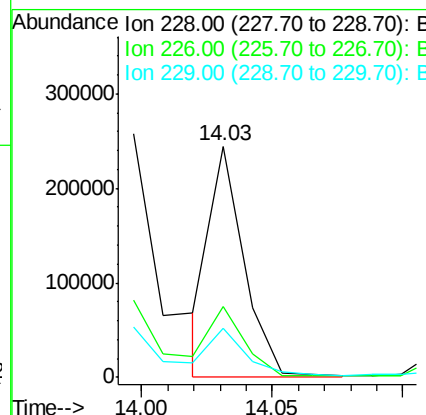
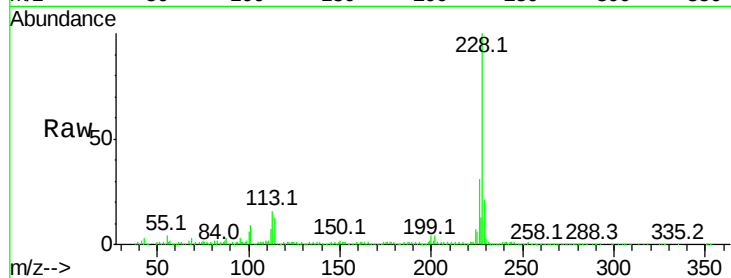
#82
Chrysene
Concen: 10.93 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tot Ion	Ratio	Resp	Lower	Upper
228	100	221375		
226	30.6	25.4	38.0	
229	21.4	16.2	24.2	

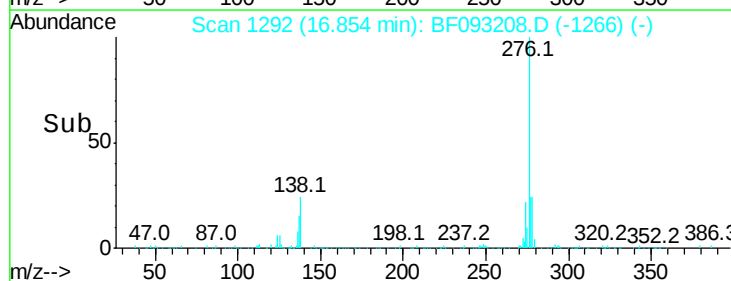
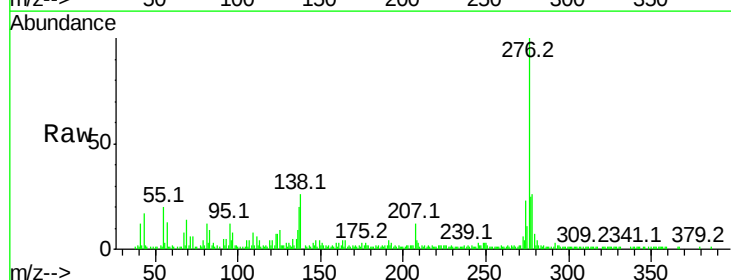
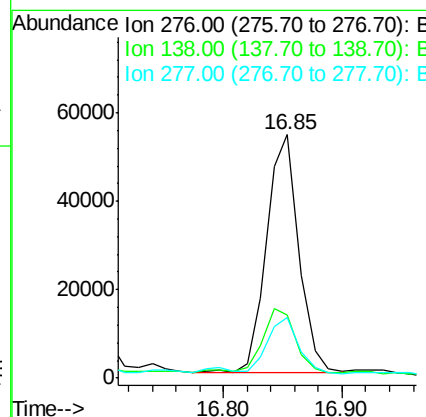
Manual Integrations
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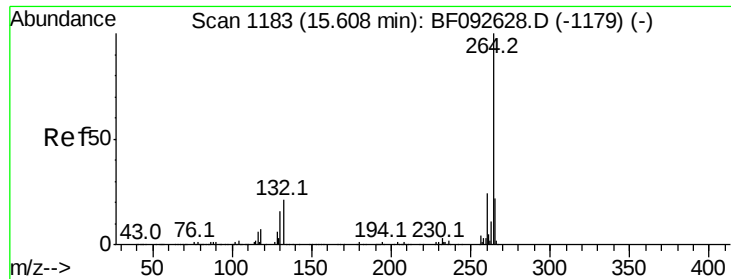
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 6.51 ng
RT: 16.85 min Scan# 1292
Delta R.T. 0.00 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	102155		
138	28.6	21.8	32.6	
277	25.7	20.2	30.4	





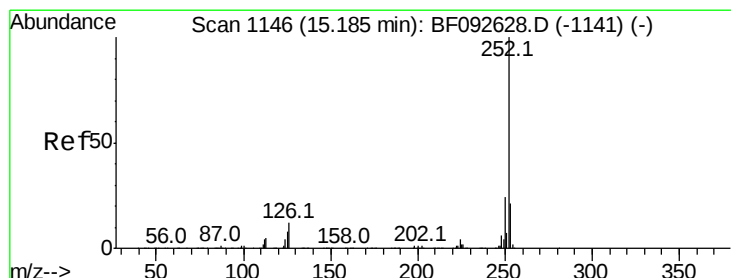
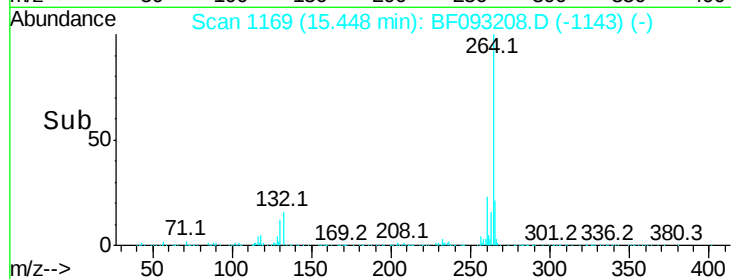
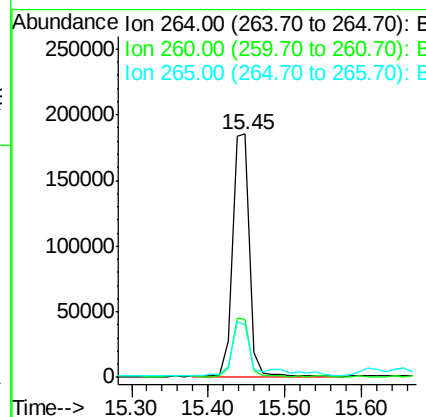
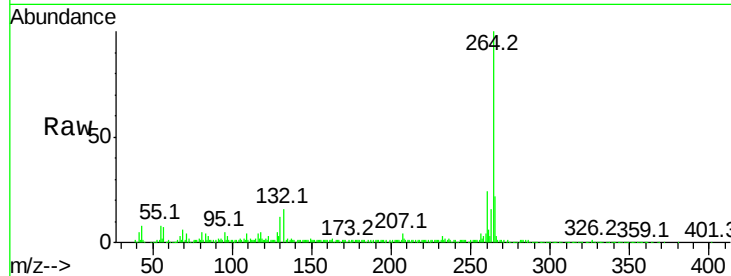
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.45 min Scan# 1169
Delta R.T. 0.00 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.6	17.4	26.0

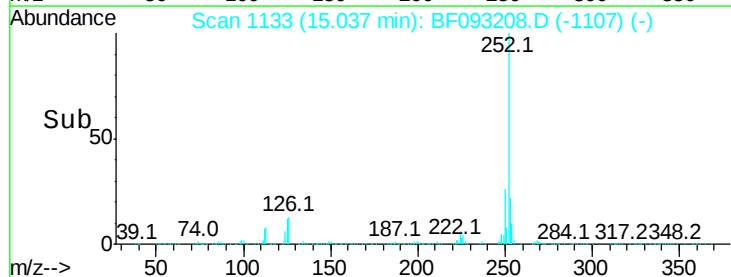
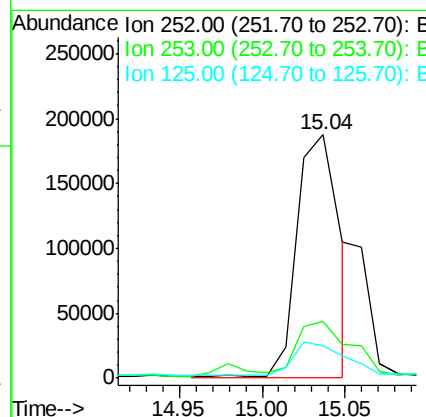
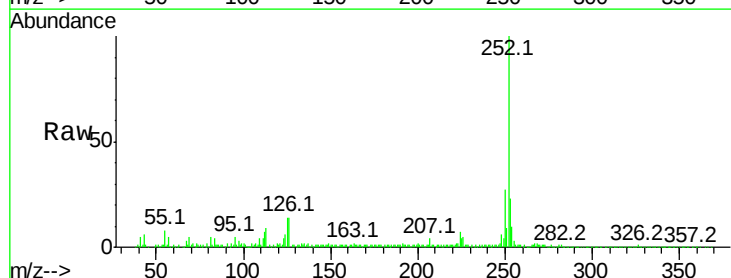
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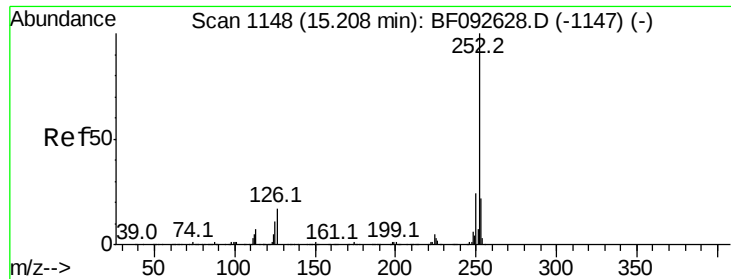
mohammad
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#87
Benzo(b)fluoranthene
Concen: 17.77 ng m
RT: 15.04 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	13.5	9.8	14.6





#88

Benzo(k)fluoranthene

Concen: 5.01 ng m

RT: 15.05 min Scan# 1134

Delta R.T. -0.02 min

Lab File: BF093208.D

Acq: 27 Feb 2017 14:53

Instrument :

BNA_F

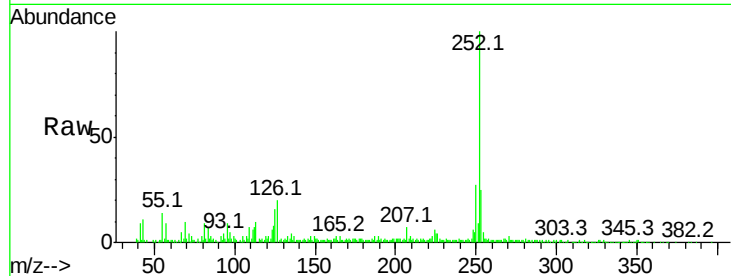
ClientSampleId :

E2-B1-BASE-2

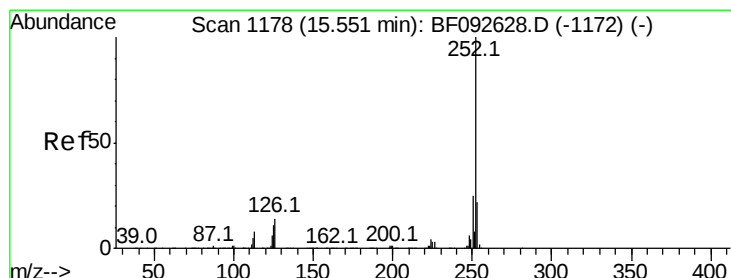
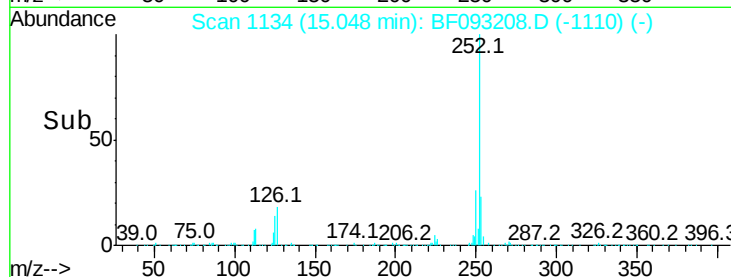
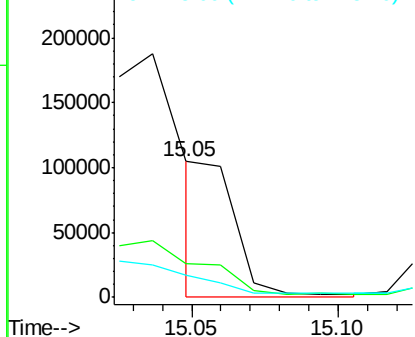
Tot Ion:	252	Resp:	82406
Ion Ratio	Lower	Upper	
252	100		
253	25.1	18.5	27.7
125	16.4	8.9	13.3

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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: 11.87 ng

RT: 15.38 min Scan# 1163

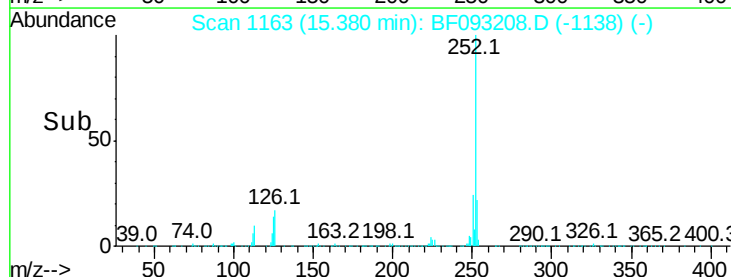
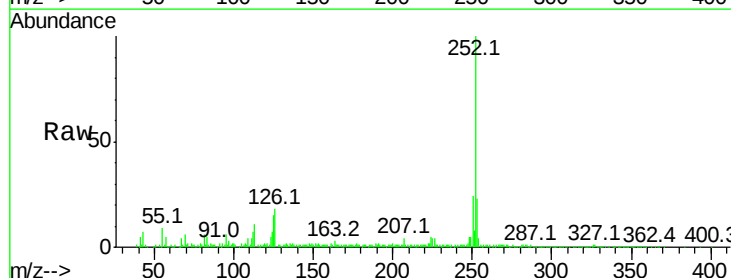
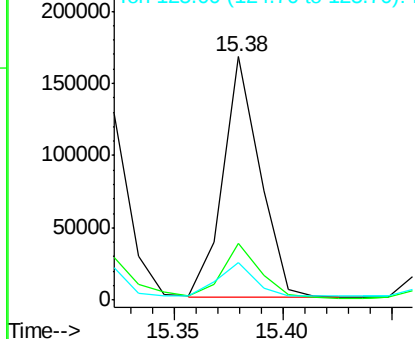
Delta R.T. -0.01 min

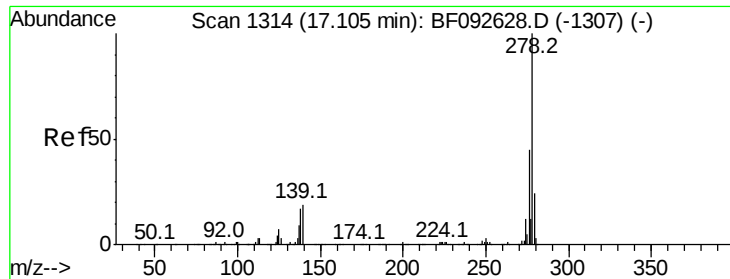
Lab File: BF093208.D

Acq: 27 Feb 2017 14:53

Tgt Ion:	252	Resp:	195416
Ion Ratio	Lower	Upper	
252	100		
253	23.0	18.2	27.2
125	15.2	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





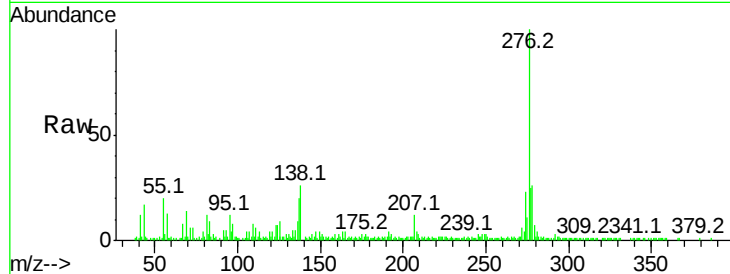
#90
Dibenzo(a,h)anthracene
Concen: 2.18 ng
RT: 16.85 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Instrument :
BNA_F
ClientSampleId :
E2-B1-BASE-2

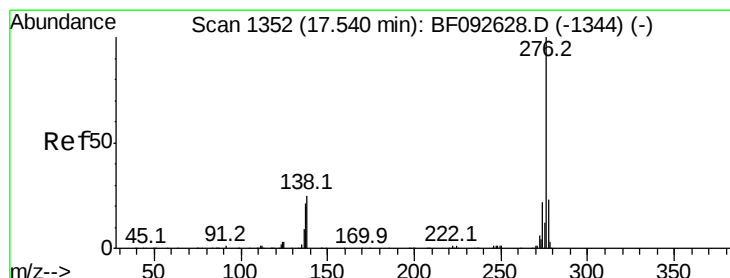
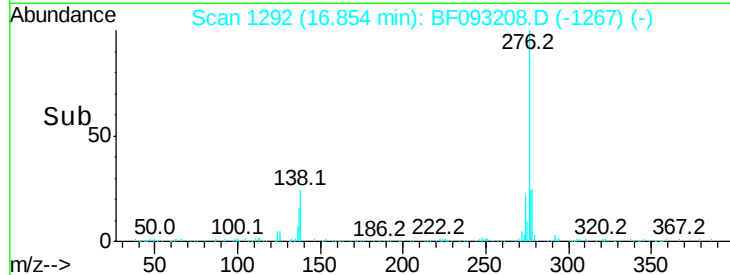
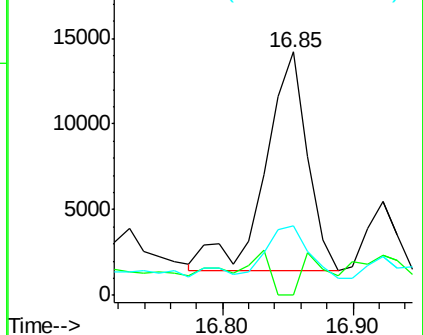
Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	28.4	19.8	29.6

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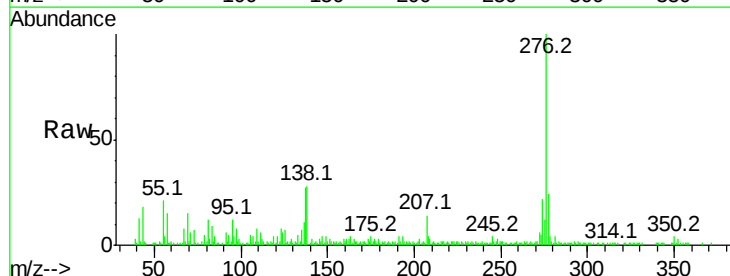


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 7.15 ng
RT: 17.28 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF093208.D
Acq: 27 Feb 2017 14:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	27.8	16.0	24.0#



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

