

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
 Data File : BF093228.D
 Acq On : 28 Feb 2017 2:09
 Operator : SJ/MA
 Sample : I1997-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-B-1E-NSW-1

Manual Integrations
 APPROVED

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 2/28/2017 2:35:33 PM

Quant Time: Feb 28 04:50:35 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	164010	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	608914	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	276187	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	441396	20.00	ng	0.00
75) Chrysene-d12	13.99	240	308168	20.00	ng	0.00
86) Perylene-d12	15.43	264	277997	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1033706	108.13	ng	0.01
7) Phenol-d6	6.48	99	1454040	118.21	ng	0.00
23) Nitrobenzene-d5	7.39	82	902286	82.52	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	198412	99.33	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1432230	93.95	ng	0.00
78) Terphenyl-d14	12.93	244	965593	73.62	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.12	128	191347	6.20	ng	99
49) Dimethylphthalate	9.58	163	448513	24.11	ng	98
51) Acenaphthene	9.89	154	100233	6.20	ng	94
54) Dibenzofuran	10.06	168	90863	4.20	ng	# 89
57) Fluorene	10.41	166	87457m	5.26	ng	
70) Phenanthrene	11.37	178	925263	36.59	ng	99
71) Anthracene	11.41	178	304994	12.01	ng	98
72) Carbazole	11.57	167	114486	4.72	ng	99
74) Fluoranthene	12.56	202	1275039	48.88	ng	97
77) Pyrene	12.78	202	1117317	48.45	ng	99
80) Benzo(a)anthracene	13.99	228	764793	40.58	ng	98
82) Chrysene	14.02	228	590901	33.48	ng	97
85) Indeno(1,2,3-cd)pyrene	16.82	276	333459	24.40	ng	97
87) Benzo(b)fluoranthene	15.01	252	802810m	43.87	ng	
88) Benzo(k)fluoranthene	15.03	252	326808m	20.69	ng	
89) Benzo(a)pyrene	15.37	252	603536	38.13	ng	98
90) Dibenzo(a,h)anthracene	16.82	278	98929	7.73	ng	# 77
91) Benzo(g,h,i)perylene	17.24	276	305340	23.63	ng	# 90

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

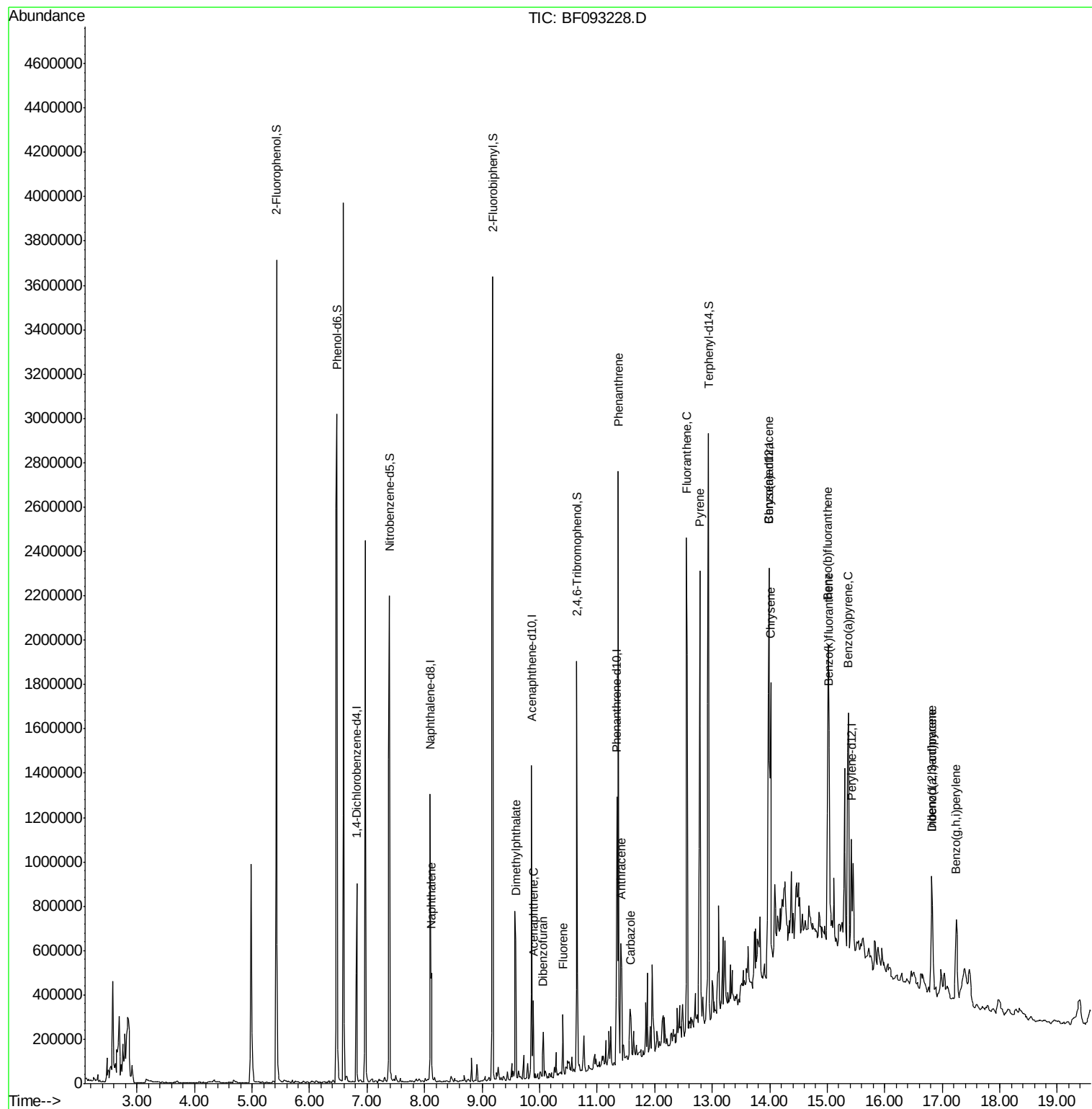
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093228.D
Acq On : 28 Feb 2017 2:09
Operator : SJ/MA
Sample : I1997-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

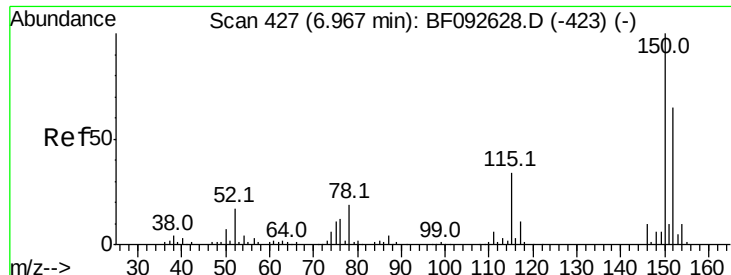
Instrument :
BNA_F
ClientSampleId :
E2-B-1E-NSW-1

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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: BF093228.D

Acq: 28 Feb 2017 2:09

Instrument :

BNA_F

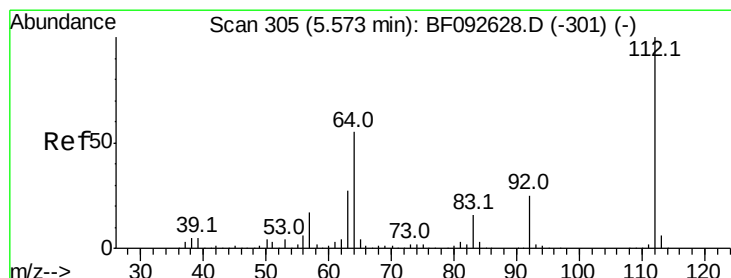
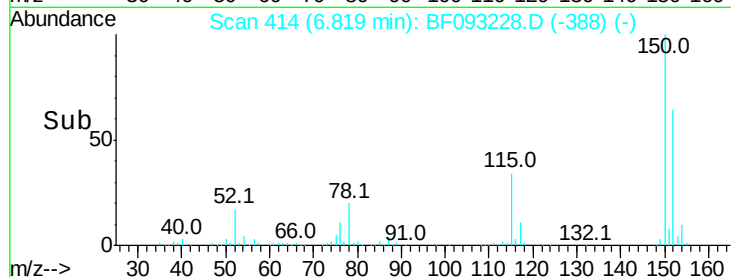
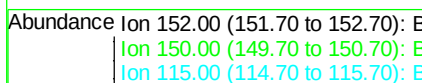
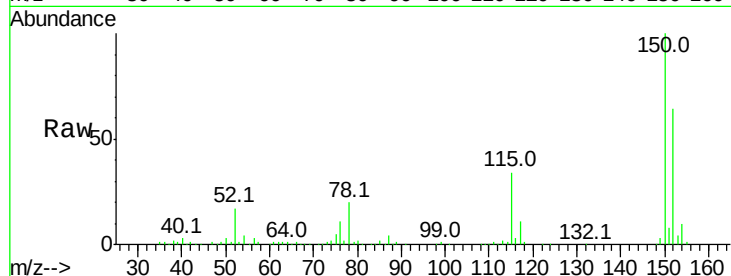
ClientSampleId :

E2-B-1E-NSW-1

Tot Ion:	152	Resp:	164010
Ion Ratio	Lower	Upper	
152	100		
150	155.8	124.9	187.3
115	53.2	46.0	69.0

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#5

2-Fluorophenol

Concen: 108.13 ng

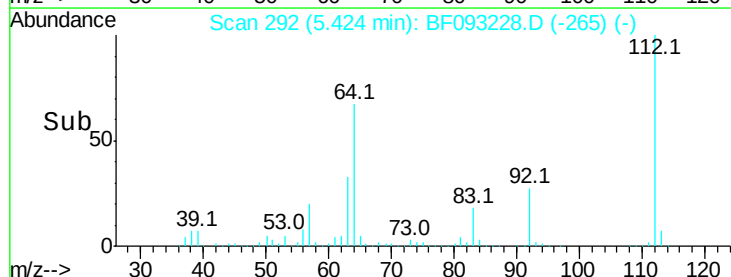
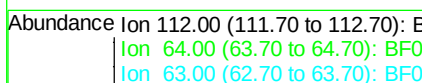
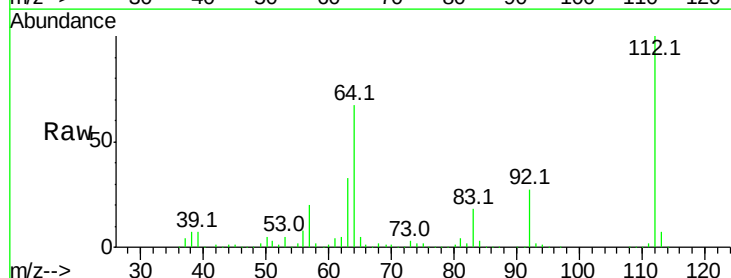
RT: 5.42 min Scan# 292

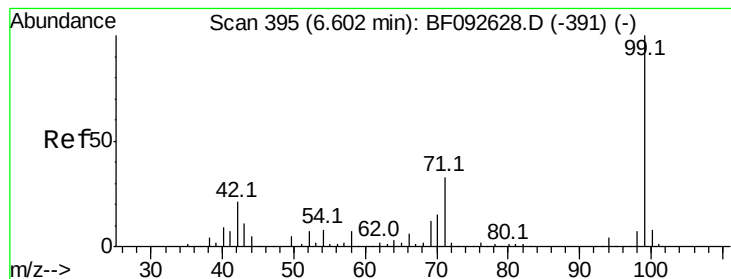
Delta R.T. 0.01 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Tgt Ion:	112	Resp:	1033706
Ion Ratio	Lower	Upper	
112	100		
64	66.8	46.1	69.1
63	33.3	23.8	35.6





#7

Phenol-d6

Concen: 118.21 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Instrument :

BNA_F

ClientSampleId :

E2-B-1E-NSW-1

Tot Ion: 99 Resp: 1454040

Ion Ratio Lower Upper

99 100

42 16.1 15.6 23.4

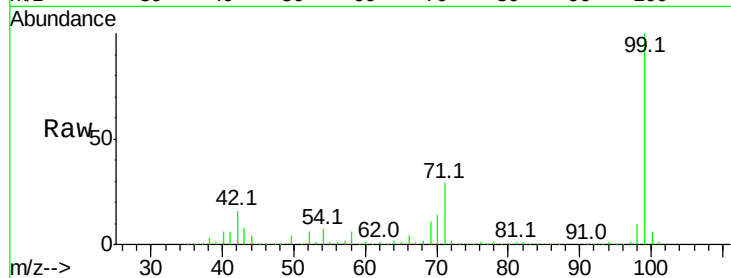
71 29.1 27.5 41.3

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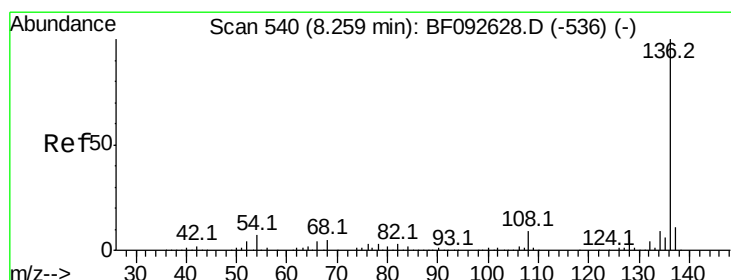
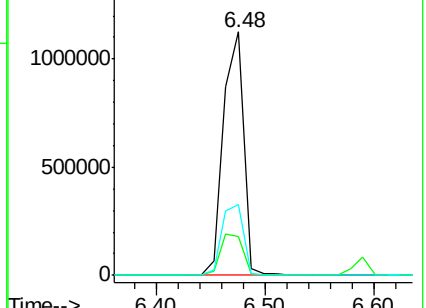
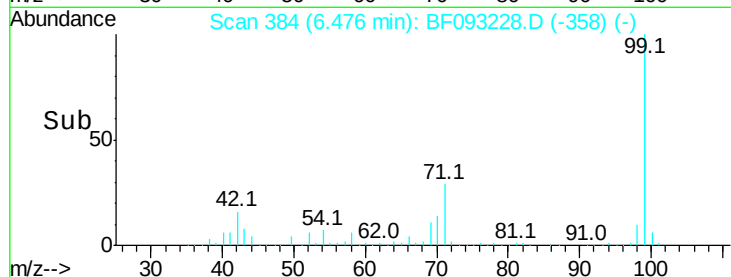
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: BF093228.D

Acq: 28 Feb 2017 2:09

Tgt Ion:136 Resp: 608914

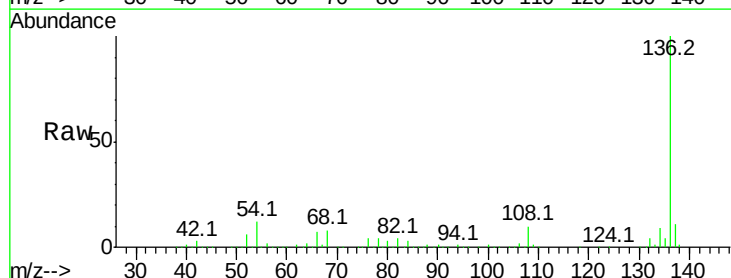
Ion Ratio Lower Upper

136 100

137 11.2 8.4 12.6

54 12.0 4.5 6.7#

68 8.1 3.6 5.4#

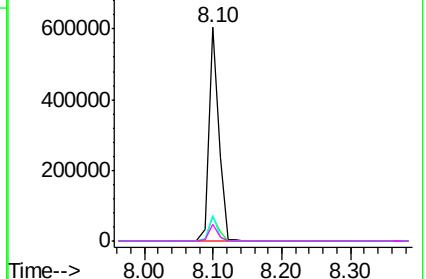
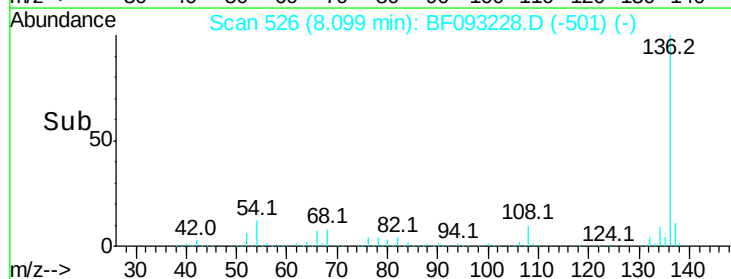


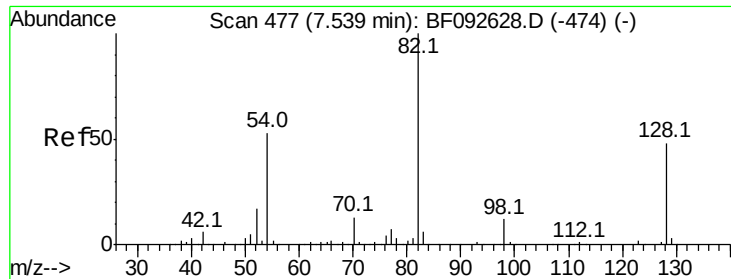
Abundance Ion 136.00 (135.70 to 136.70): E

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





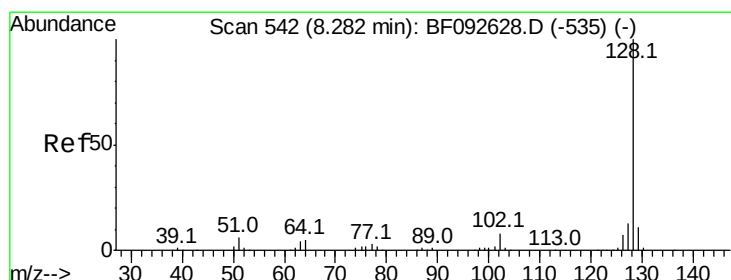
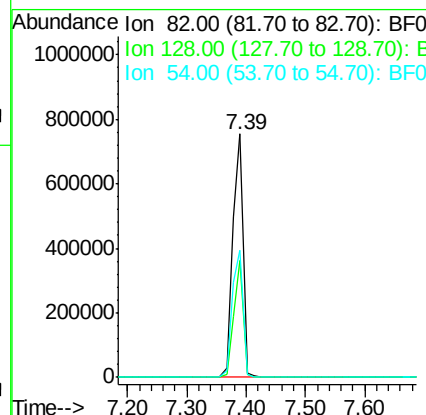
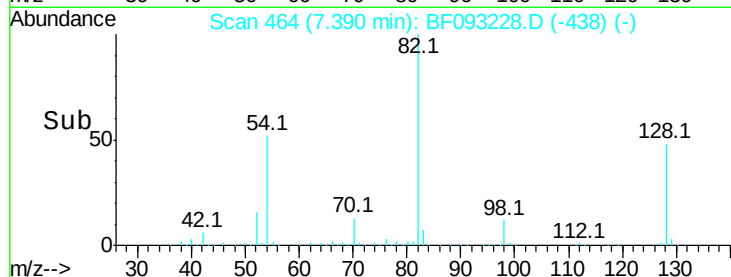
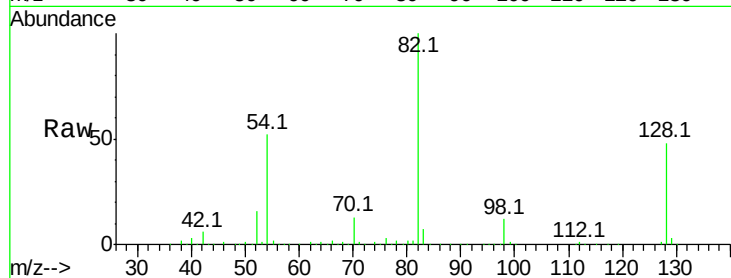
#23
 Nitrobenzene-d5
 Concen: 82.52 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF093228.D
 Acq: 28 Feb 2017 2:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-B-1E-NSW-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	34.6	52.0
54	52.0	39.5	59.3

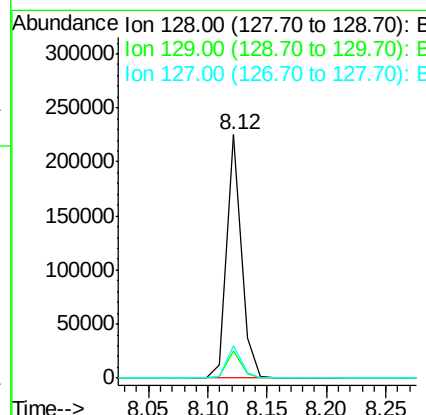
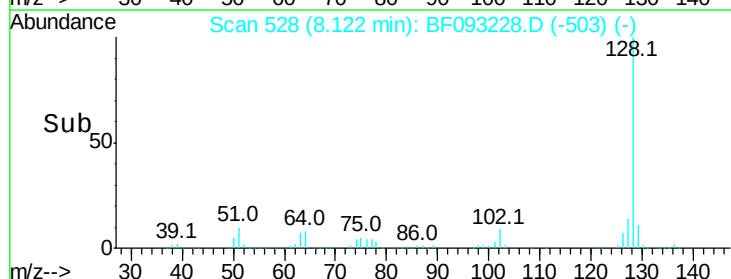
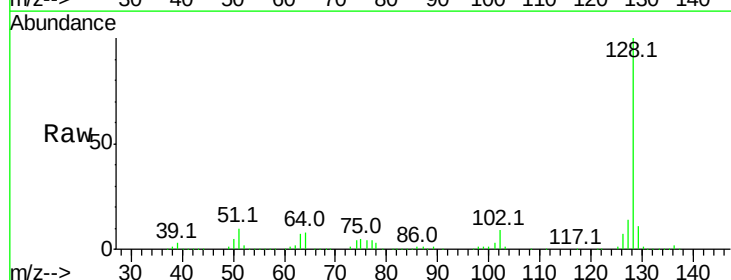
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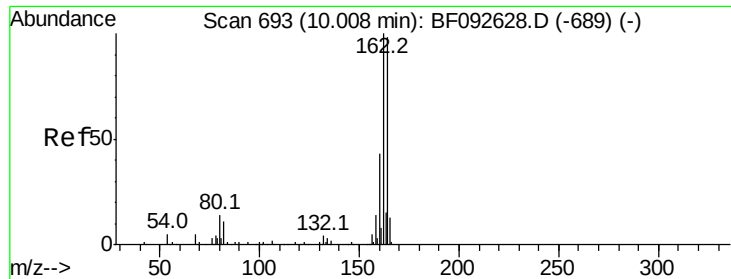
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#31
 Naphthalene
 Concen: 6.20 ng
 RT: 8.12 min Scan# 528
 Delta R.T. -0.01 min
 Lab File: BF093228.D
 Acq: 28 Feb 2017 2:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.5	14.3
127	13.5	10.8	16.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Instrument :

BNA_F

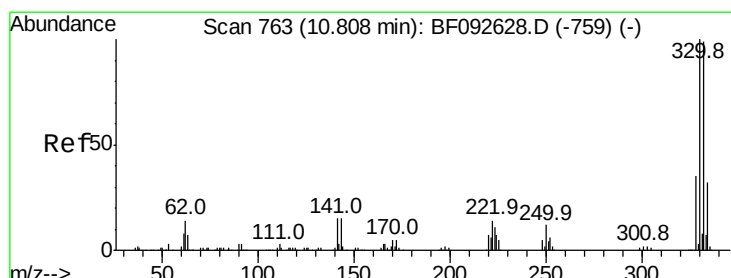
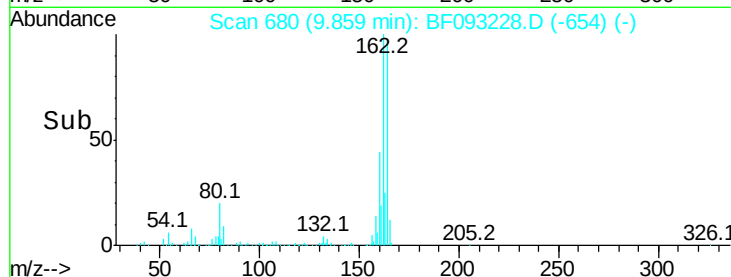
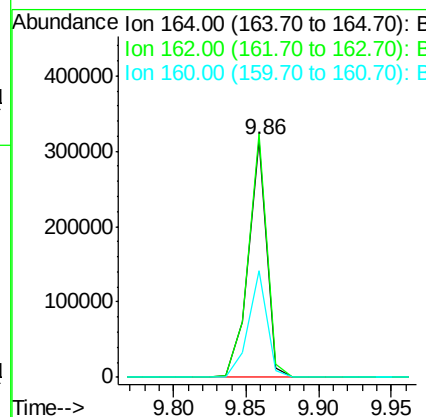
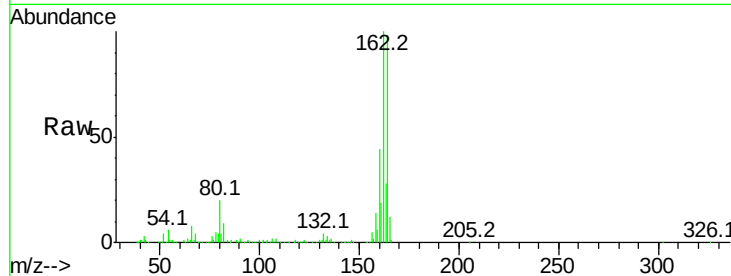
ClientSampleId :

E2-B-1E-NSW-1

Tot Ion:	164	Resp:	276187
Ion Ratio	Lower	Upper	
164	100		
162	102.5	80.2	120.2
160	44.8	36.9	55.3

Manual Integrations
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#41

2,4,6-Tribromophenol

Concen: 99.33 ng

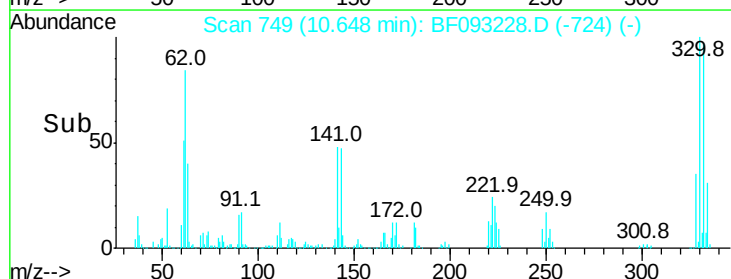
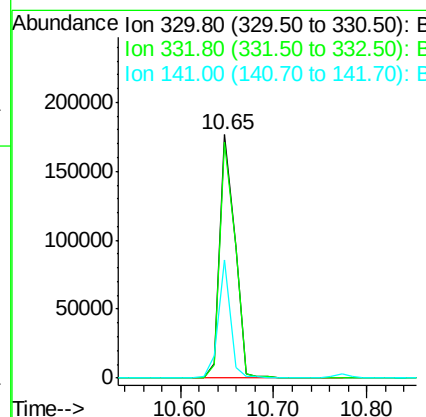
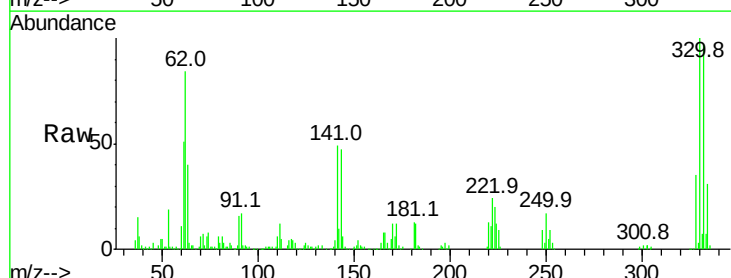
RT: 10.65 min Scan# 749

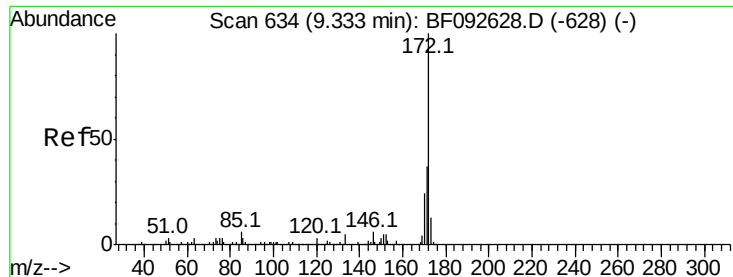
Delta R.T. -0.01 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Tgt Ion:	330	Resp:	198412
Ion Ratio	Lower	Upper	
330	100		
332	97.2	77.4	116.2
141	39.0	34.1	51.1





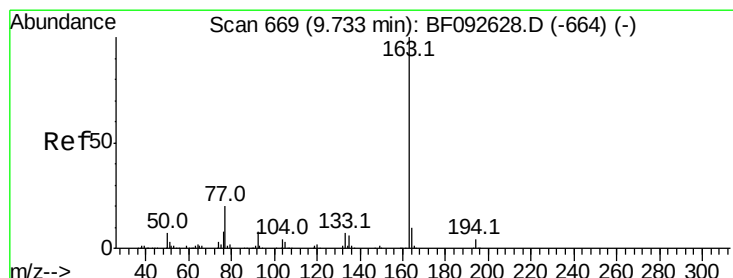
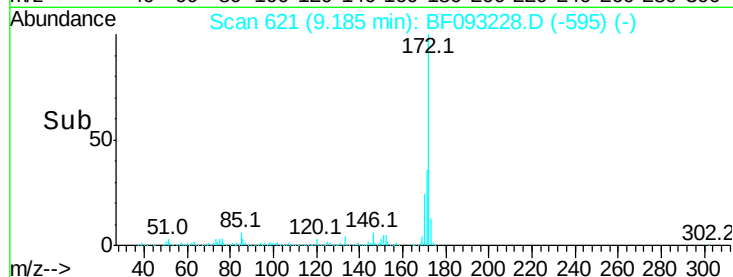
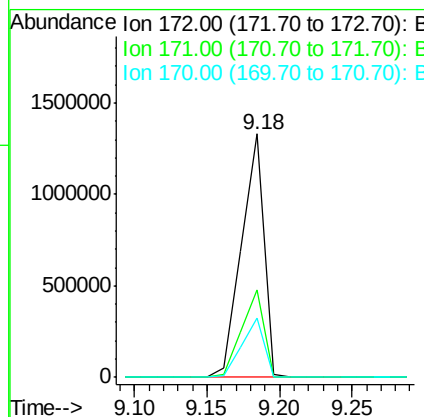
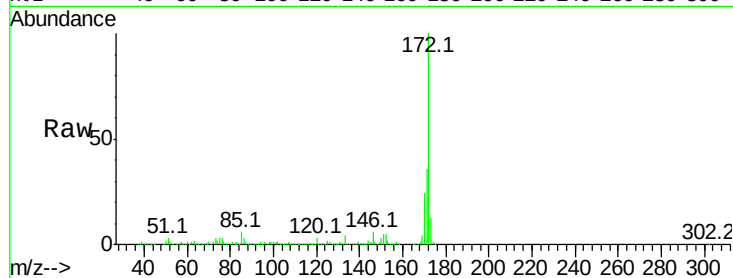
#44
2-Fluorobiphenyl
Concen: 93.95 ng
RT: 9.18 min Scan# 621
Delta R.T. -0.00 min
Lab File: BF093228.D
Acq: 28 Feb 2017 2:09

Instrument :
BNA_F
ClientSampleId :
E2-B-1E-NSW-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.0
170	24.3	20.2	30.4

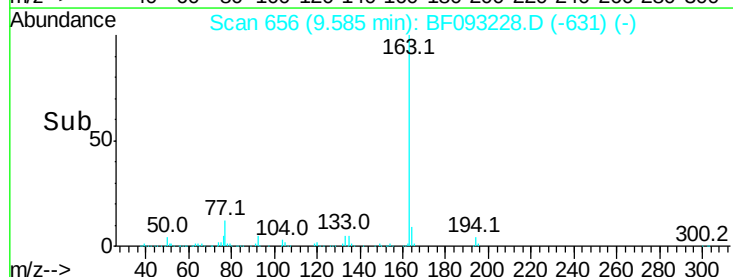
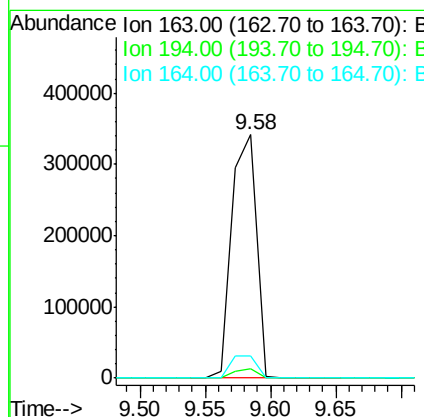
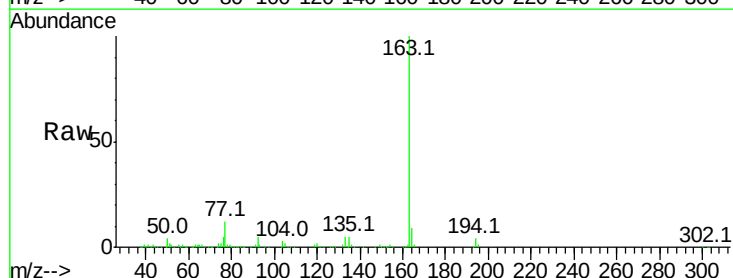
Manual Integrations
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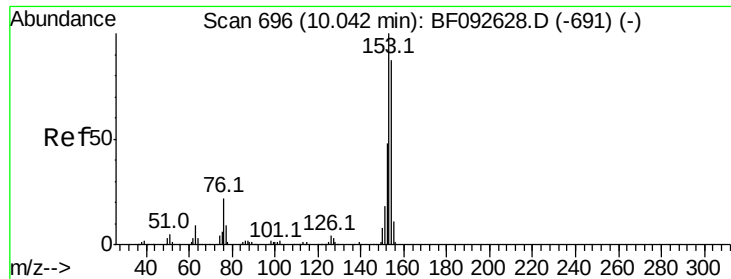
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#49
Dimethylphthalate
Concen: 24.11 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF093228.D
Acq: 28 Feb 2017 2:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	9.3	8.0	12.0





#51

Acenaphthene

Concen: 6.20 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Instrument :

BNA_F

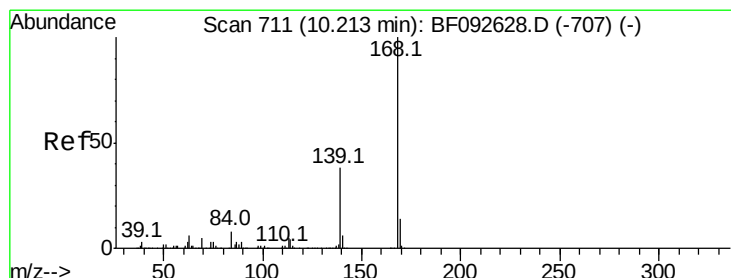
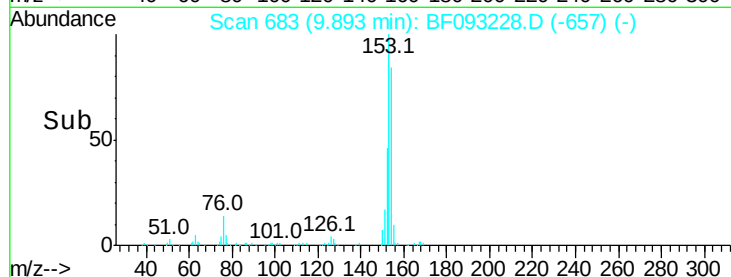
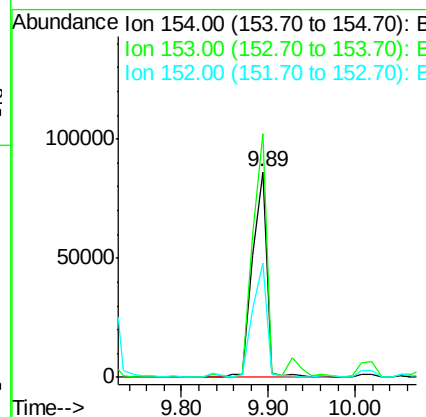
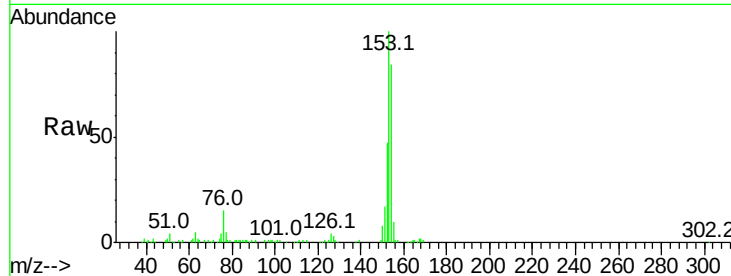
ClientSampleId :

E2-B-1E-NSW-1

Tot Ion:	154	Resp:	100233
Ion Ratio	Lower	Upper	
154	100		
153	118.3	88.6	133.0
152	55.3	41.6	62.4

Manual Integrations
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#54

Dibenzofuran

Concen: 4.20 ng

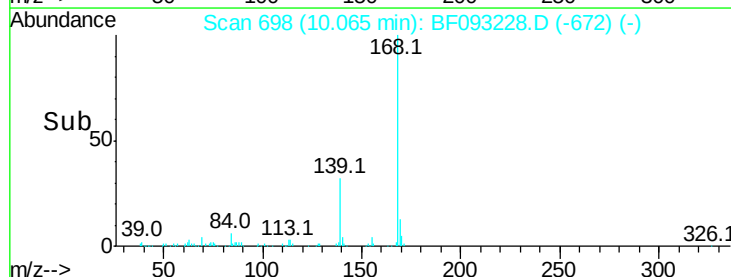
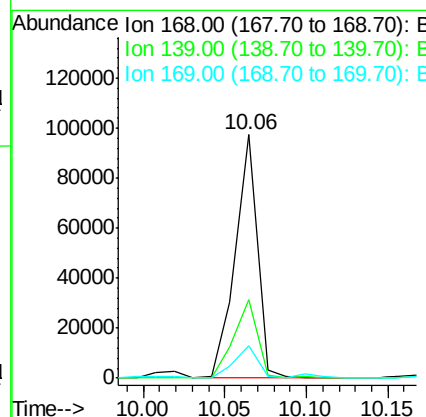
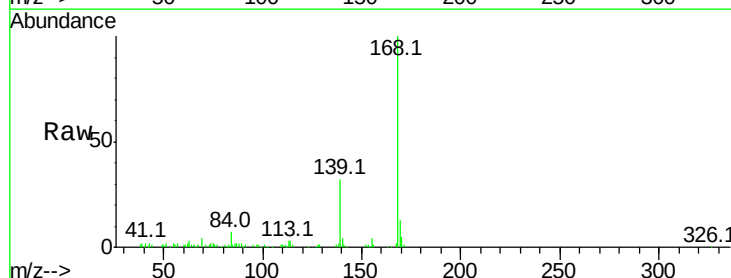
RT: 10.06 min Scan# 698

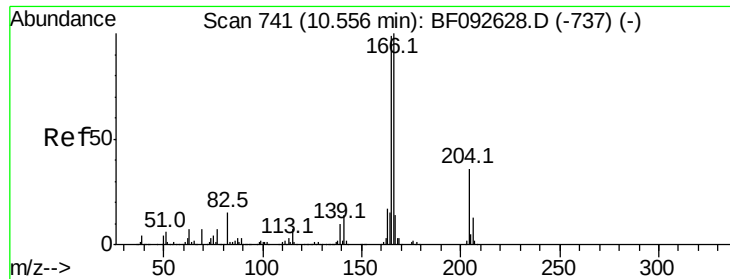
Delta R.T. -0.00 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Tgt Ion:	168	Resp:	90863
Ion Ratio	Lower	Upper	
168	100		
139	32.1	32.6	49.0#
169	13.2	11.3	16.9





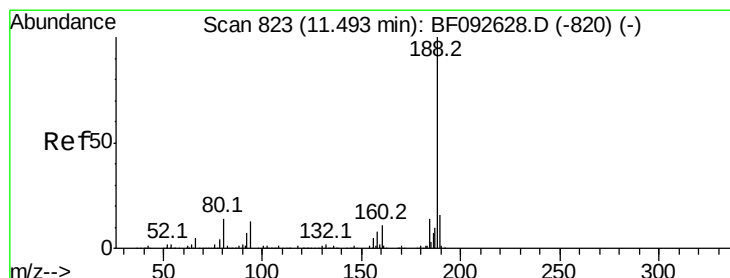
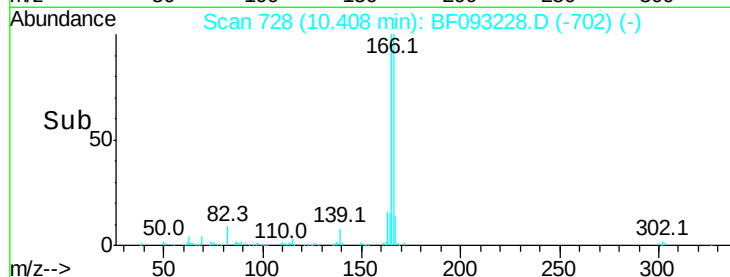
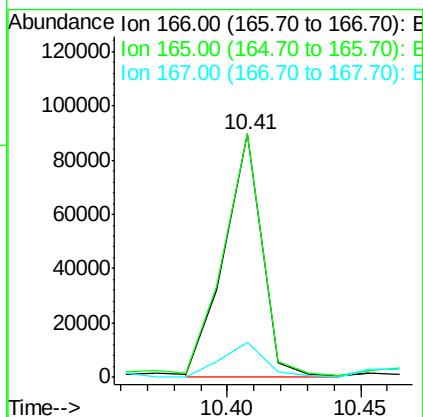
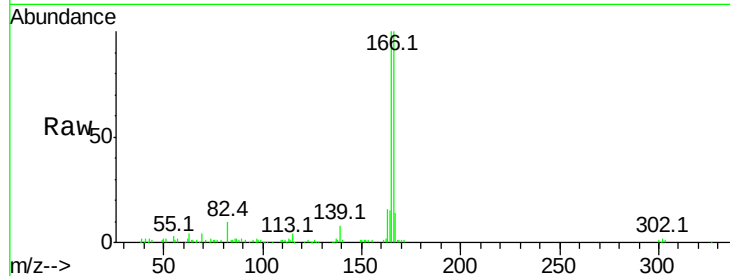
#57
Fluorene
Concen: 5.26 ng/ml
RT: 10.41 min Scan# 728
Delta R.T. -0.00 min
Lab File: BF093228.D
Acq: 28 Feb 2017 2:09

Instrument :
BNA_F
ClientSampleId :
E2-B-1E-NSW-1

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	100.1	77.8	116.8	
167	14.3	10.8	16.2	

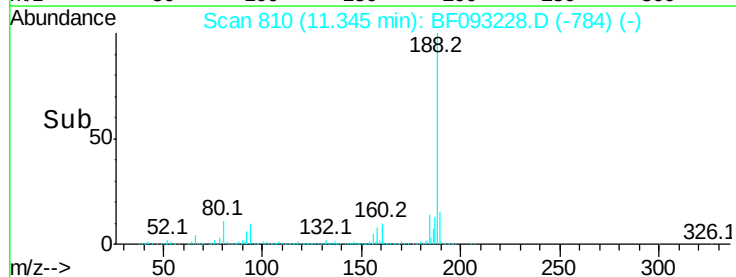
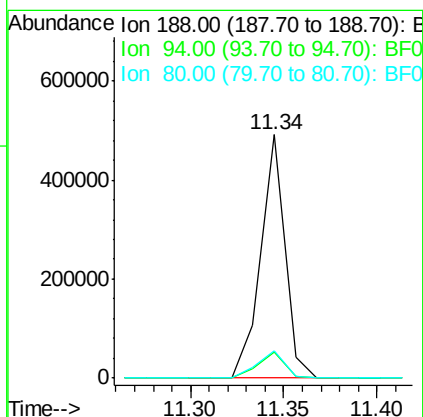
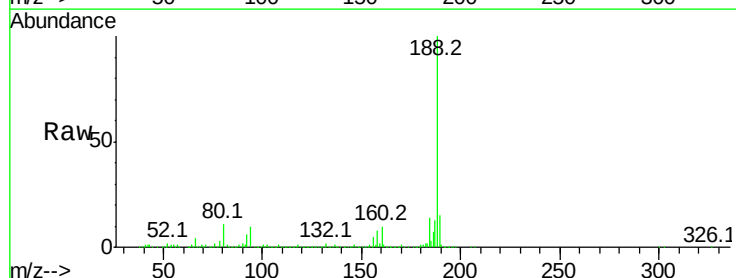
Manual Integrations
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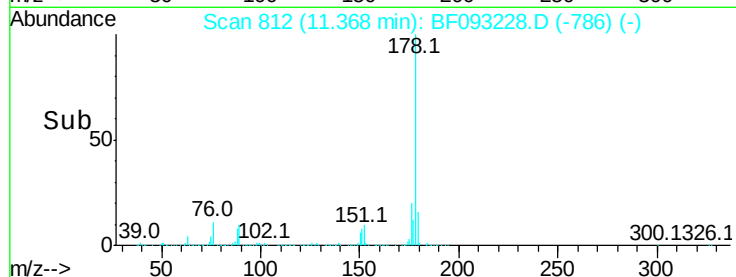
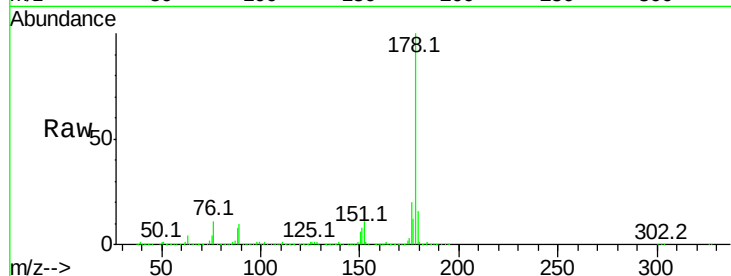
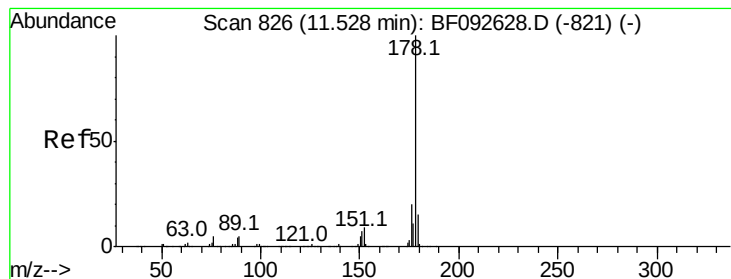
mohammad
2/28/2017 2:35:33 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF093228.D
Acq: 28 Feb 2017 2:09

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.5	10.0	15.0	
80	11.0	11.2	16.8#	





#70

Phenanthrene

Concen: 36.59 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Tot Ion:	178	Resp:	925263
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.6	25.0
179	15.7	12.8	19.2

Instrument :

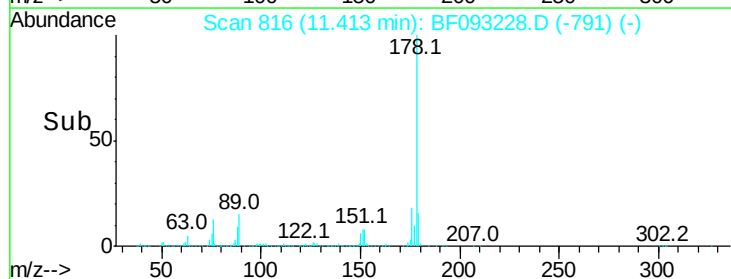
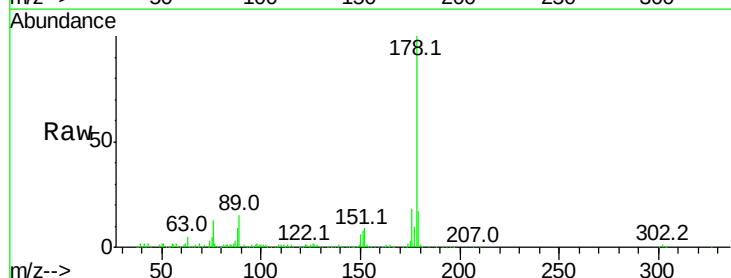
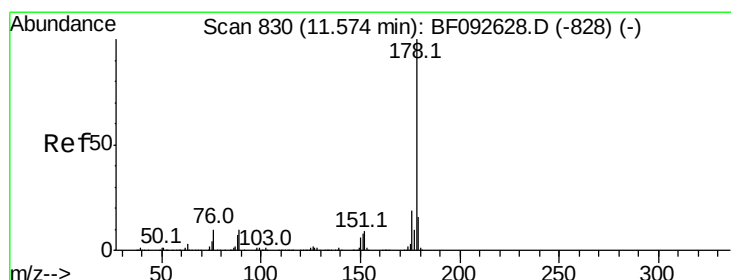
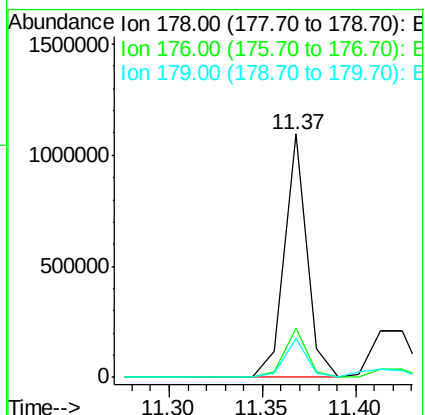
BNA_F

ClientSampleId :

E2-B-1E-NSW-1

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#71

Anthracene

Concen: 12.01 ng

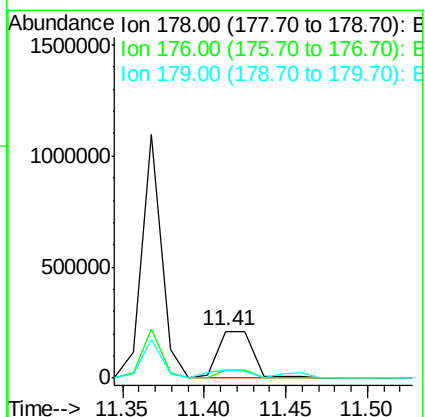
RT: 11.41 min Scan# 816

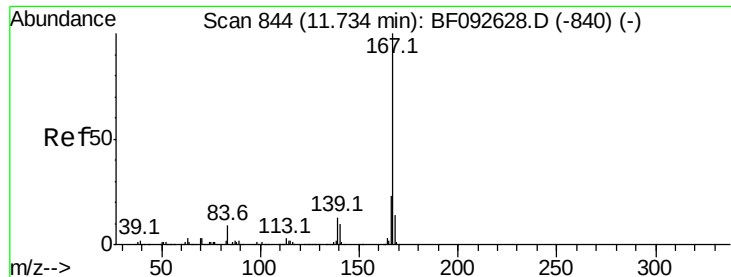
Delta R.T. -0.01 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Tgt Ion:	178	Resp:	304994
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.9	23.9
179	16.6	13.2	19.8





#72

Carbazole

Concen: 4.72 ng

RT: 11.57 min Scan# 830

Delta R.T. -0.01 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Instrument :

BNA_F

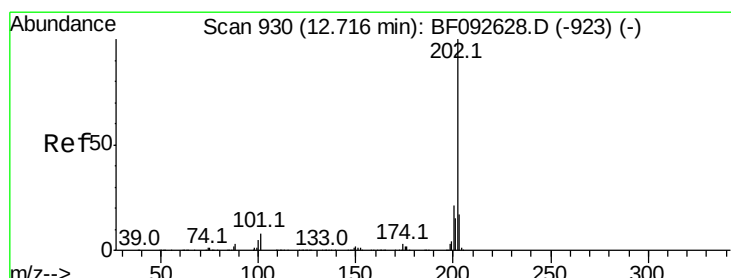
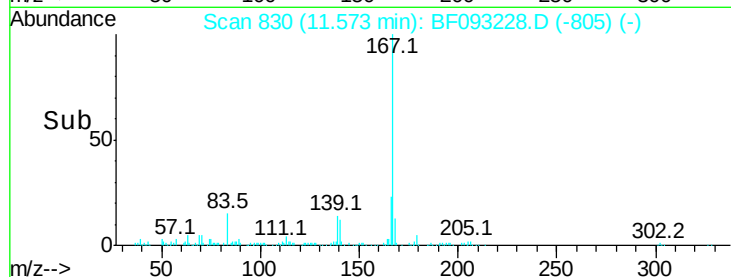
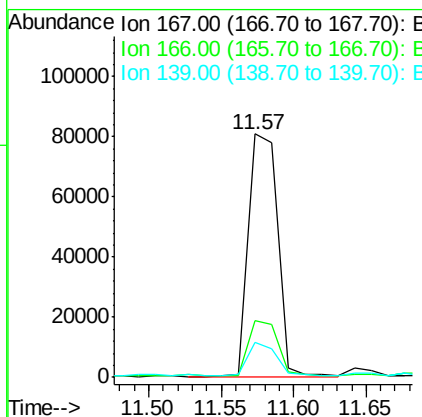
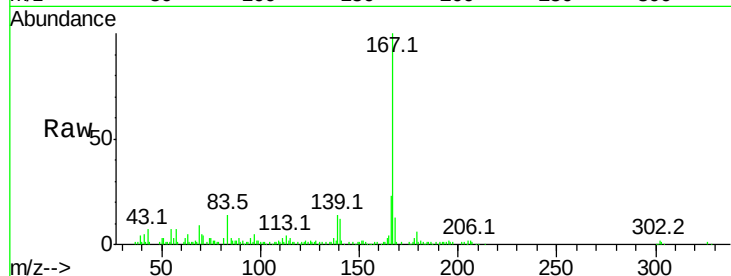
ClientSampleId :

E2-B-1E-NSW-1

Tot Ion:	167	Resp:	114486
Ion Ratio	Lower	Upper	
167	100		
166	23.2	18.2	27.2
139	14.4	11.4	17.2

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#74

Fluoranthene

Concen: 48.88 ng

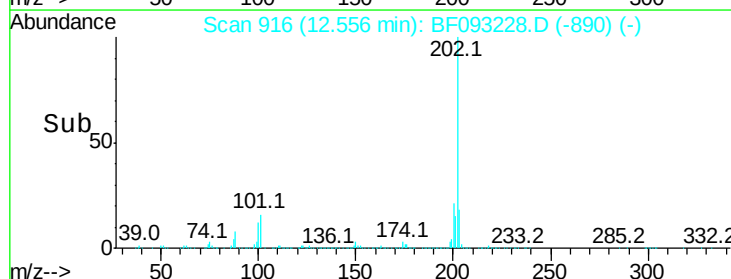
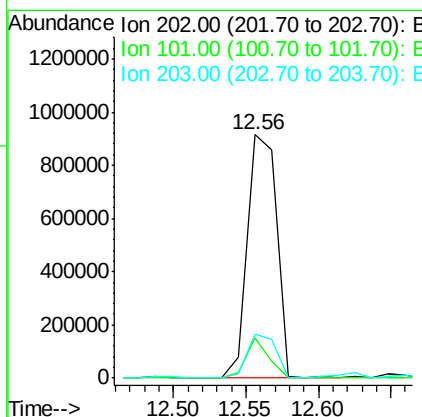
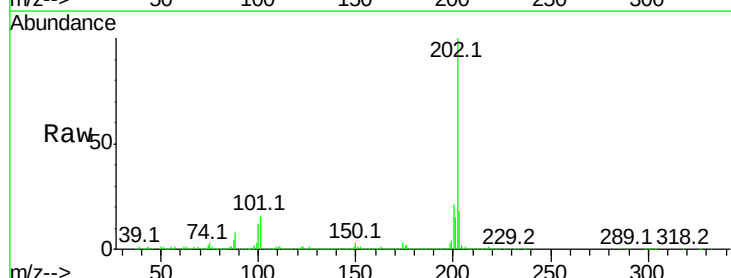
RT: 12.56 min Scan# 916

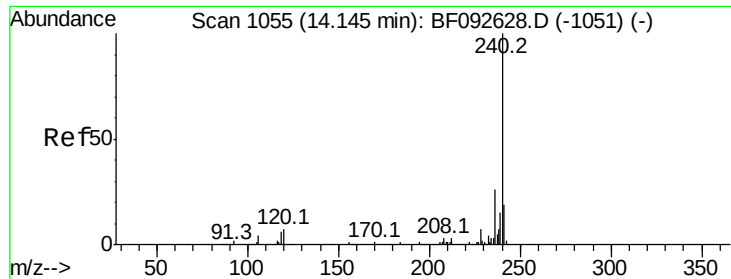
Delta R.T. -0.00 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Tgt Ion:	202	Resp:	1275039
Ion Ratio	Lower	Upper	
202	100		
101	16.4	0.0	34.6
203	18.2	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: BF093228.D

Acq: 28 Feb 2017 2:09

Instrument :

BNA_F

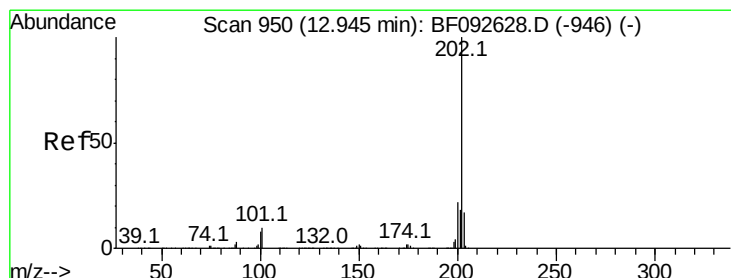
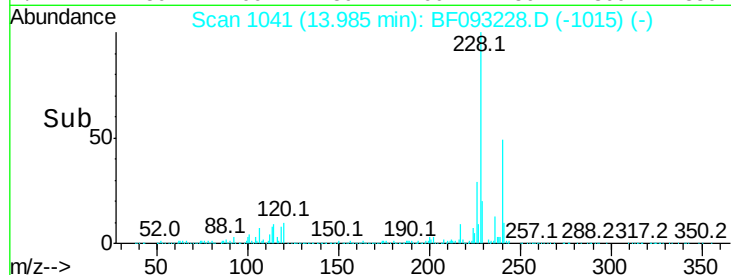
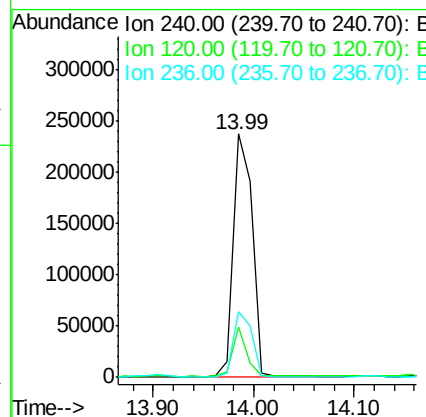
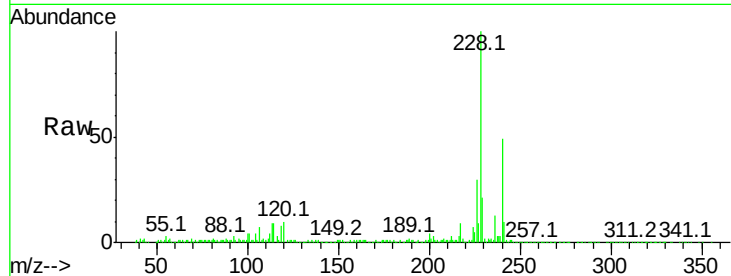
ClientSampleId :

E2-B-1E-NSW-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	20.5	12.9	19.3#
236	27.1	20.9	31.3

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#77

Pyrene

Concen: 48.45 ng

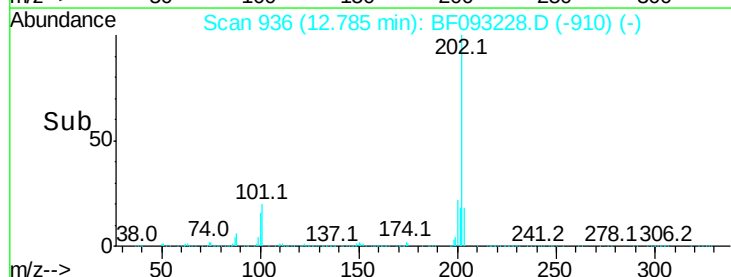
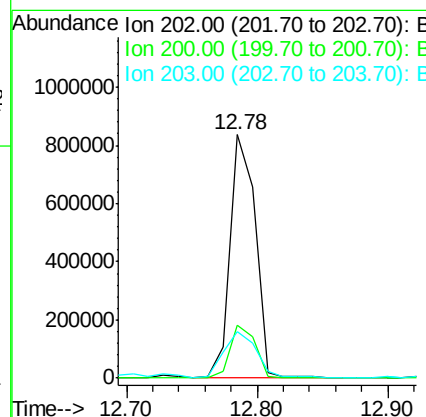
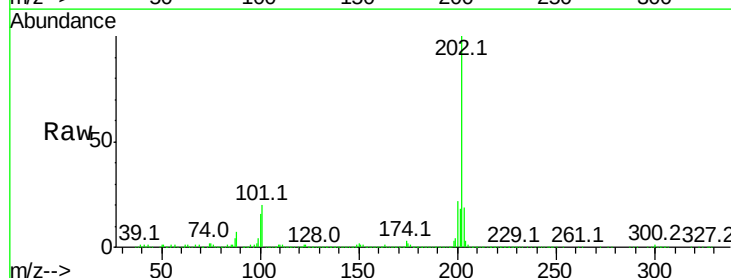
RT: 12.78 min Scan# 936

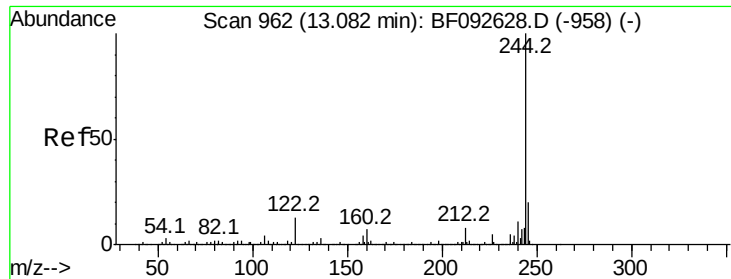
Delta R.T. -0.00 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.7	26.5
203	18.9	14.7	22.1





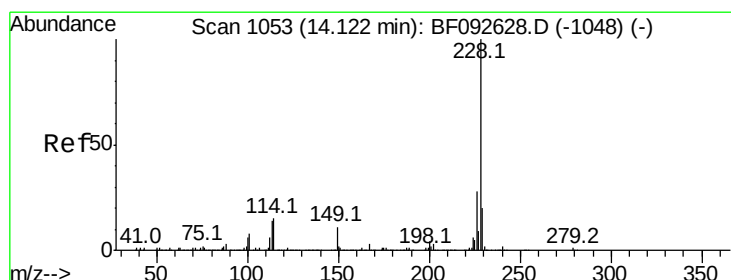
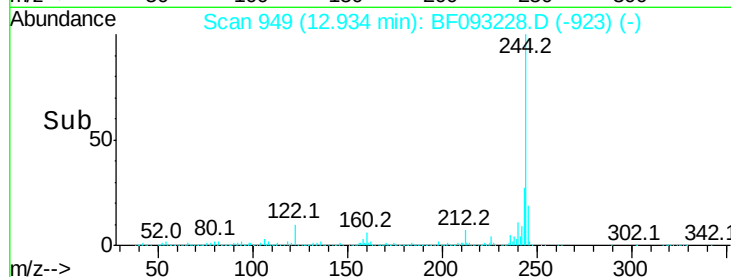
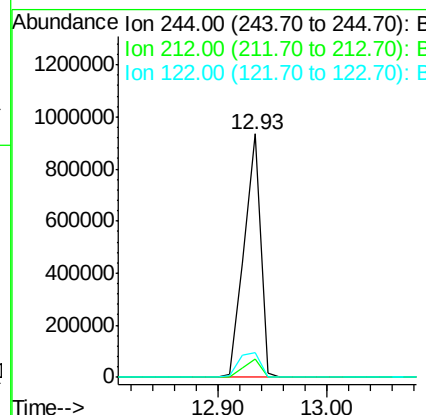
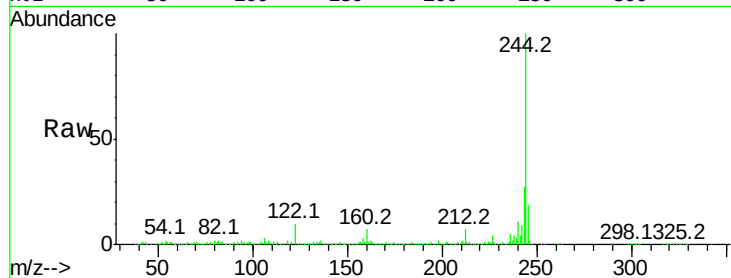
#78
 Terphenyl-d14
 Concen: 73.62 ng
 RT: 12.93 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: BF093228.D
 Acq: 28 Feb 2017 2:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-B-1E-NSW-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.2
122	10.3	11.4	17.2#

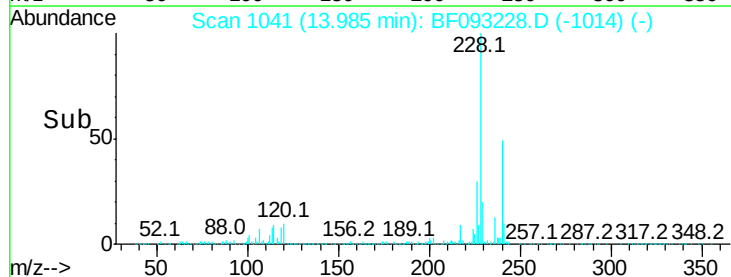
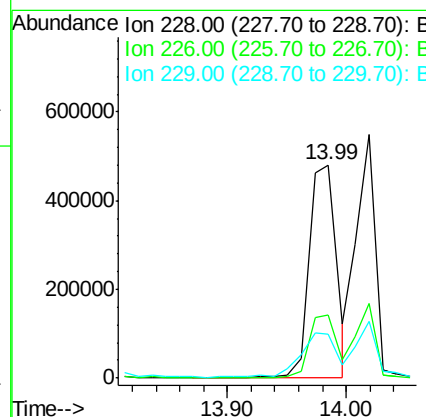
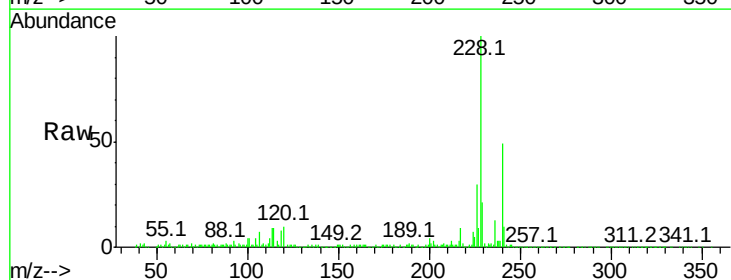
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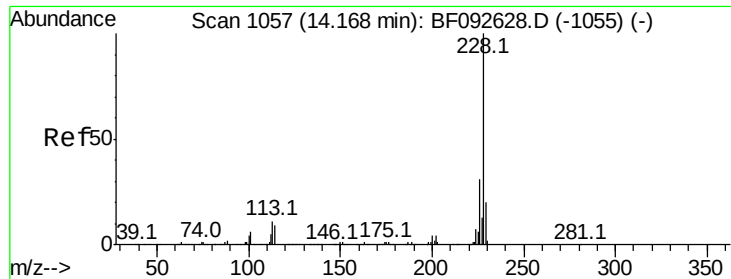
mohammad
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#80
 Benzo(a)anthracene
 Concen: 40.58 ng
 RT: 13.99 min Scan# 1041
 Delta R.T. 0.01 min
 Lab File: BF093228.D
 Acq: 28 Feb 2017 2:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.4	33.6
229	20.8	16.2	24.4





#82

Chrysene

Concen: 33.48 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Instrument :

BNA_F

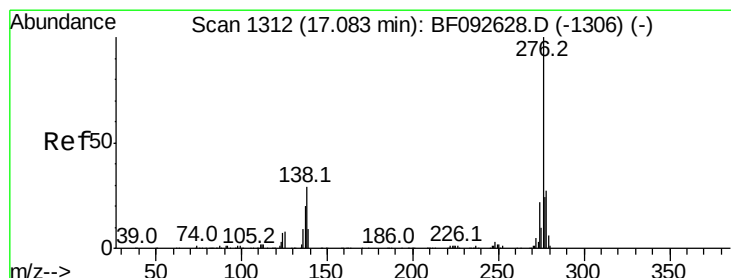
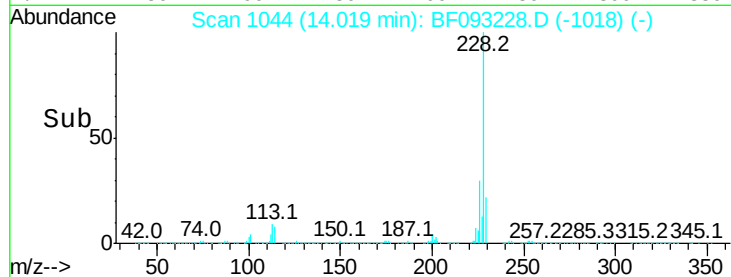
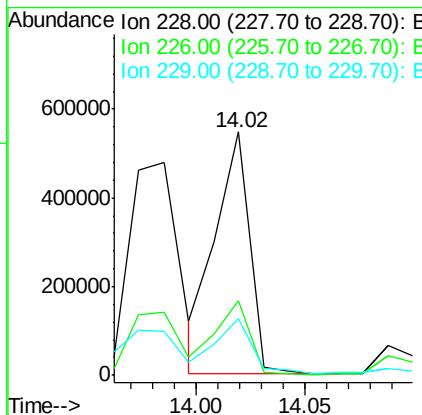
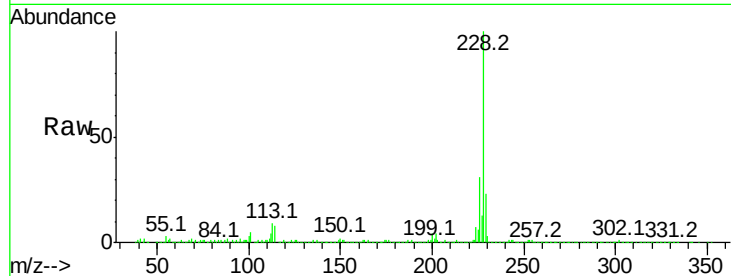
ClientSampled :

E2-B-1E-NSW-1

Tot Ion:	228	Resp:	590901
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.4	38.0
229	23.1	16.2	24.2

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#85

Indeno(1,2,3-cd)pyrene

Concen: 24.40 ng

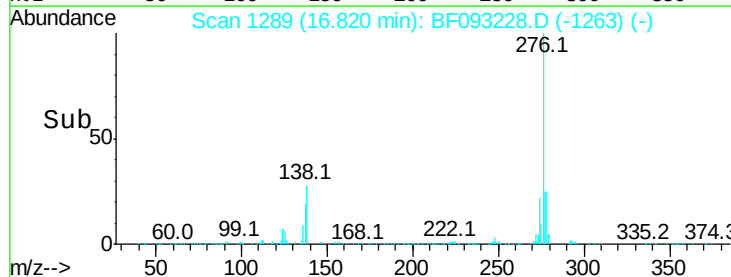
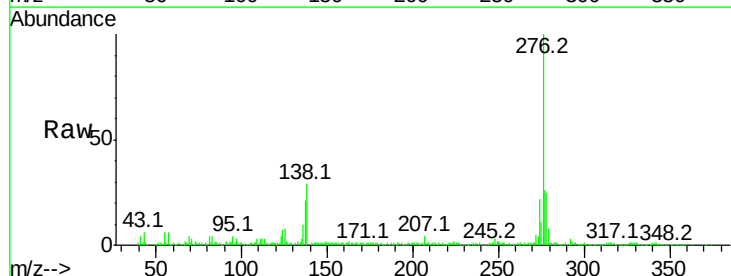
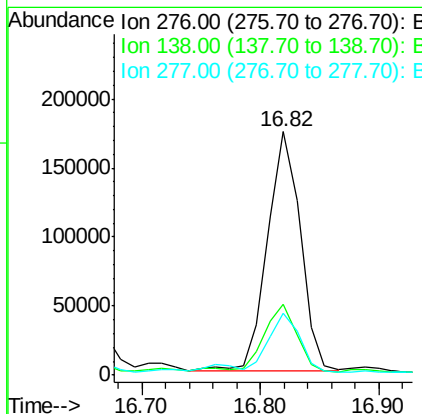
RT: 16.82 min Scan# 1289

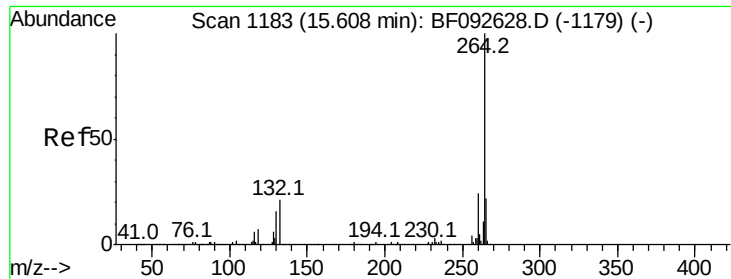
Delta R.T. -0.00 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Tgt Ion:	276	Resp:	333459
Ion Ratio	Lower	Upper	
276	100		
138	28.9	21.8	32.6
277	23.7	20.2	30.4





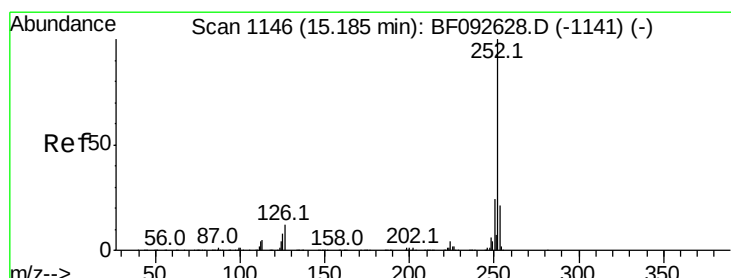
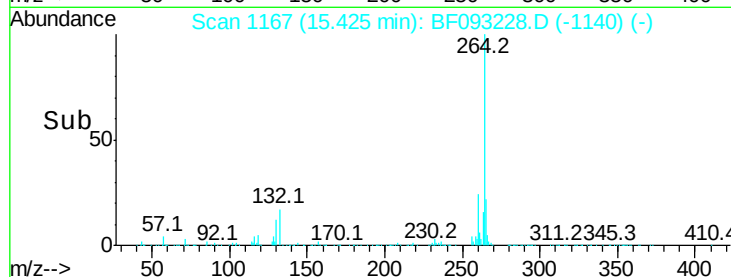
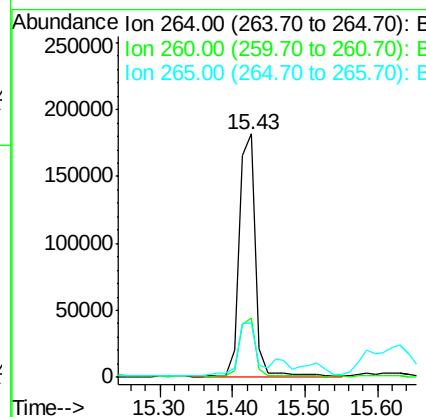
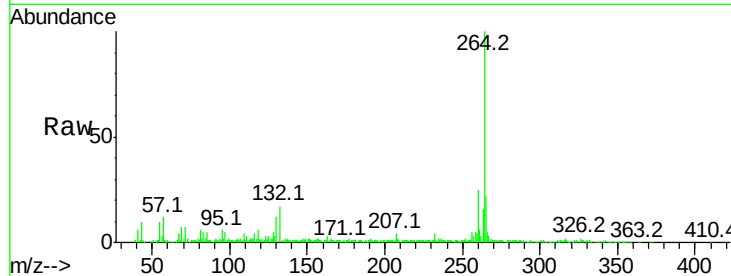
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. 0.01 min
Lab File: BF093228.D
Acq: 28 Feb 2017 2:09

Instrument :
BNA_F
ClientSampleId :
E2-B-1E-NSW-1

Tot Ion	Ratio	Resp	Lower	Upper
264	100	277997		
260	24.6	19.2	28.8	
265	22.2	17.4	26.0	

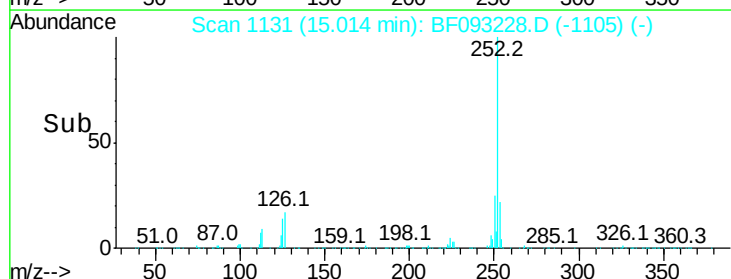
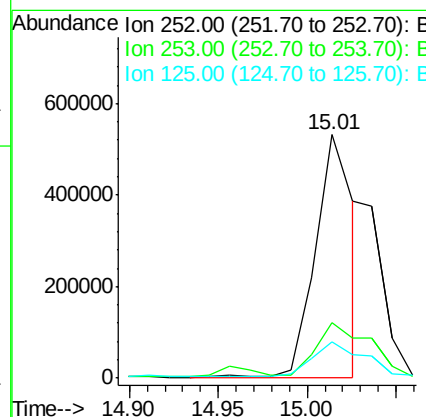
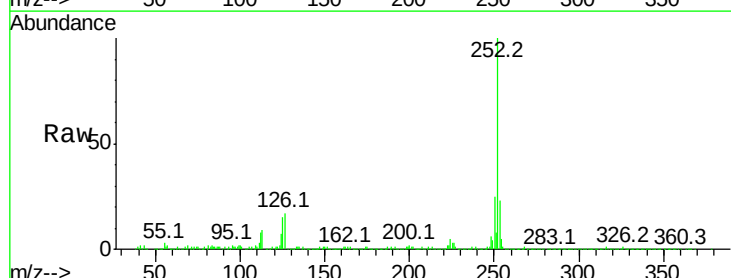
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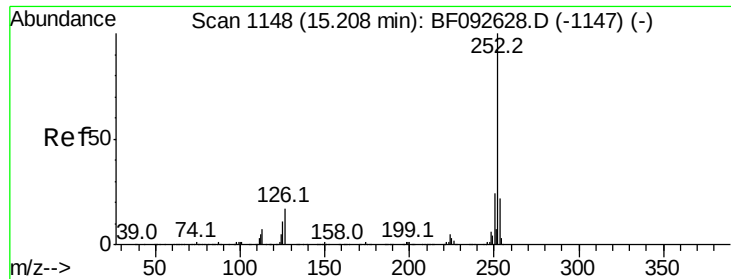
mohammad
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#87
Benzo(b)fluoranthene
Concen: 43.87 ng m
RT: 15.01 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BF093228.D
Acq: 28 Feb 2017 2:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	802810		
253	22.9	18.2	27.4	
125	14.9	9.8	14.6#	





#88

Benzo(k)fluoranthene

Concen: 20.69 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Instrument :

BNA_F

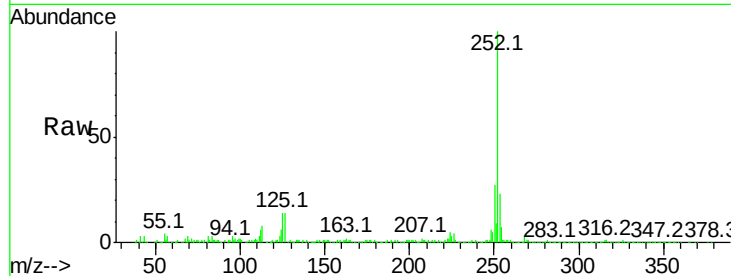
ClientSampled :

E2-B-1E-NSW-1

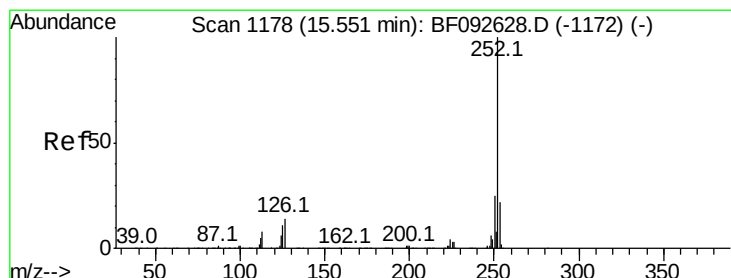
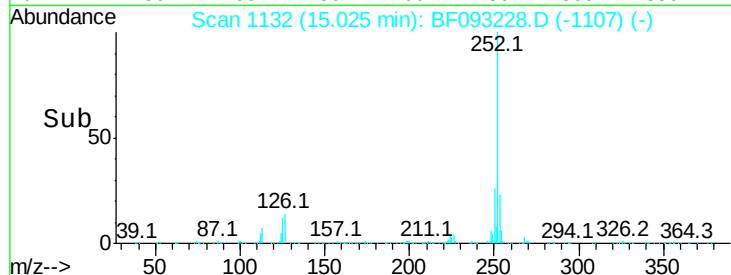
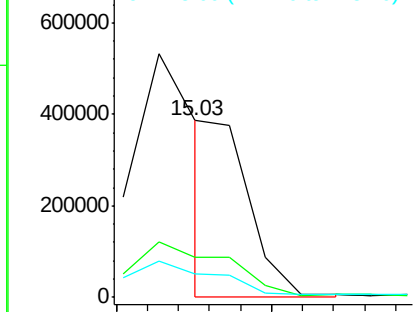
Tot Ion:	252	Resp:	326808
Ion Ratio	Lower	Upper	
252	100		
253	22.9	18.5	27.7
125	13.6	8.9	13.3

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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: 38.13 ng

RT: 15.37 min Scan# 1162

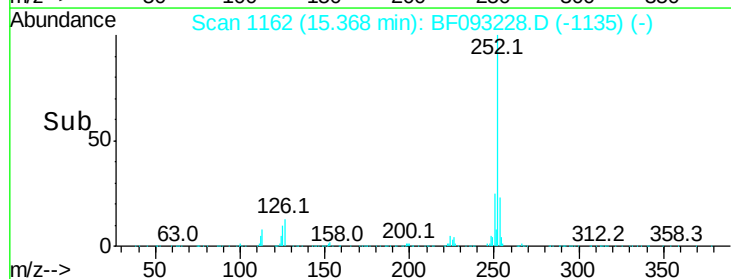
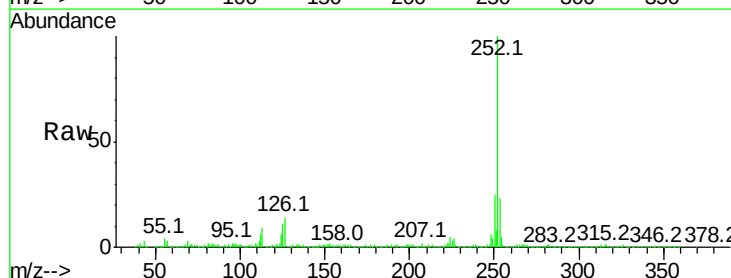
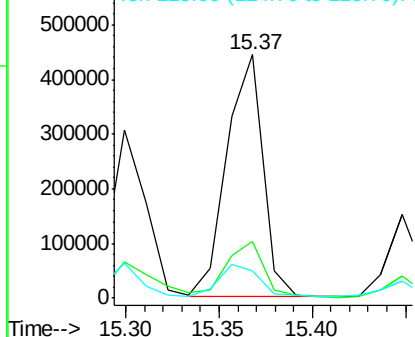
Delta R.T. 0.01 min

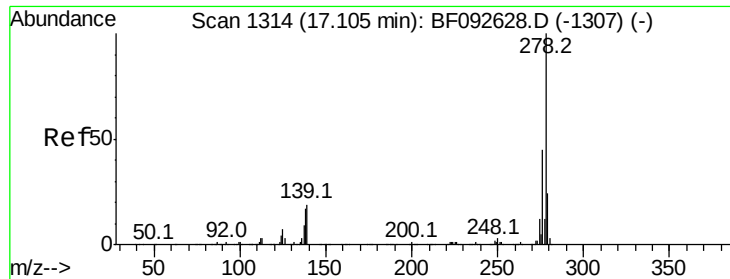
Lab File: BF093228.D

Acq: 28 Feb 2017 2:09

Tgt Ion:	252	Resp:	603536
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.2
125	11.1	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





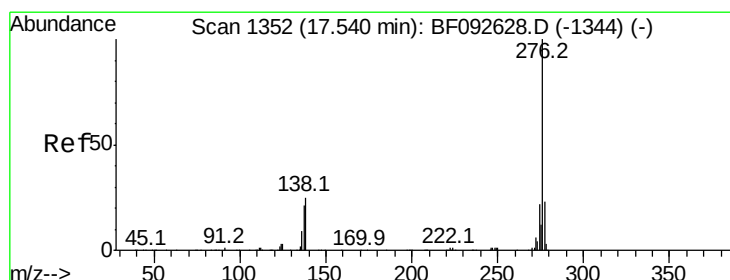
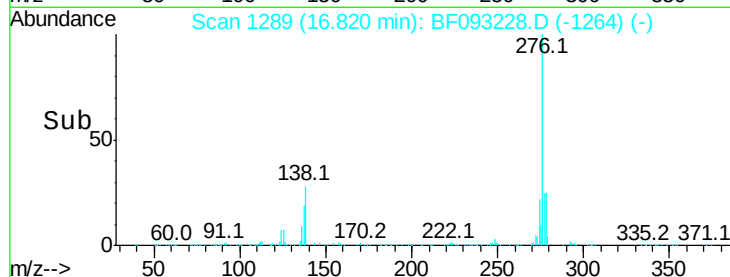
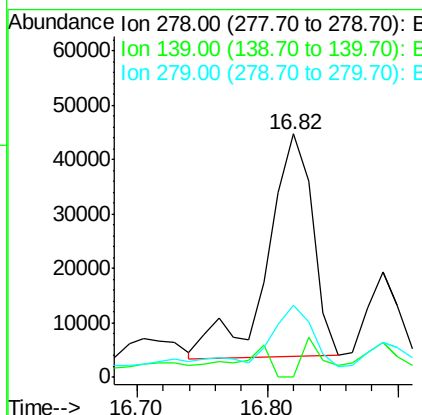
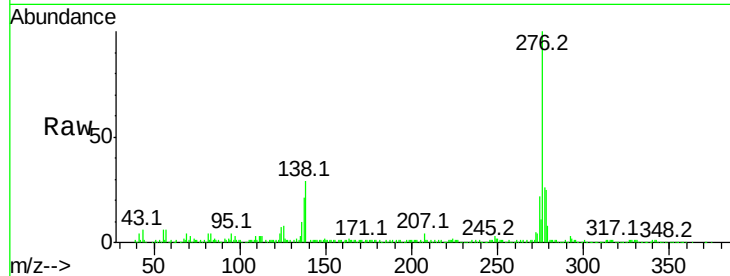
#90
Dibenzo(a,h)anthracene
Concen: 7.73 ng
RT: 16.82 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BF093228.D
Acq: 28 Feb 2017 2:09

Instrument :
BNA_F
ClientSampleId :
E2-B-1E-NSW-1

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

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2/28/2017 2:35:33 PM



#91
Benzo(g,h,i)perylene
Concen: 23.63 ng
RT: 17.24 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF093228.D
Acq: 28 Feb 2017 2:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.2	28.8
138	30.1	16.0	24.0#

