

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093988.D
 Acq On : 28 Mar 2017 12:32
 Operator : SJ/MA
 Sample : I2367-05DL 10X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-R15-SSWDL

Manual Integrations
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mohammad
 3/28/2017 3:43:48 PM

Quant Time: Mar 28 14:02:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 17:41:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	164765	20.00	ng	-0.05
21) Naphthalene-d8	7.44	136	665428	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	288298	20.00	ng	-0.06
63) Phenanthrene-d10	11.41	188	467975	20.00	ng	-0.05
75) Chrysene-d12	14.66	240	306435	20.00	ng	-0.05
86) Perylene-d12	16.30	264	281678	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.45	112	135237	13.86	ng	-0.05
7) Phenol-d6	5.52	99	170586	14.14	ng	-0.05
23) Nitrobenzene-d5	6.57	82	99322	8.52	ng	-0.06
41) 2,4,6-Tribromophenol	10.55	330	27924	12.26	ng	-0.06
44) 2-Fluorobiphenyl	8.76	172	188861	9.99	ng	-0.06
78) Terphenyl-d14	13.38	244	113507	8.30	ng	-0.06
Target Compounds						Qvalue
31) Naphthalene	7.46	128	251388	7.86	ng	99
37) 2-Methylnaphthalene	8.31	142	120996	5.67	ng	97
51) Acenaphthene	9.62	154	57851	3.28	ng	100
57) Fluorene	10.26	166	81500	4.09	ng	98
70) Phenanthrene	11.44	178	1016229	39.04	ng	99
71) Anthracene	11.50	178	234140	8.74	ng	98
72) Carbazole	11.70	167	104166	3.79	ng	96
74) Fluoranthene	12.90	202	995054	37.33	ng	99
77) Pyrene	13.18	202	862359	38.78	ng	99
80) Benzo(a)anthracene	14.65	228	397301	22.23	ng	98
82) Chrysene	14.69	228	365511	22.04	ng	96
85) Indeno(1,2,3-cd)pyrene	17.66	276	147306	10.26	ng	93
87) Benzo(b)fluoranthene	15.89	252	441289m	25.56	ng	
88) Benzo(k)fluoranthene	15.91	252	115512m	6.79	ng	
89) Benzo(a)pyrene	16.23	252	284320	17.88	ng	98
90) Dibenzo(a,h)anthracene	17.67	278	39838m	2.96	ng	
91) Benzo(a,h,i)perylene	18.06	276	131248	9.67	ng	98

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

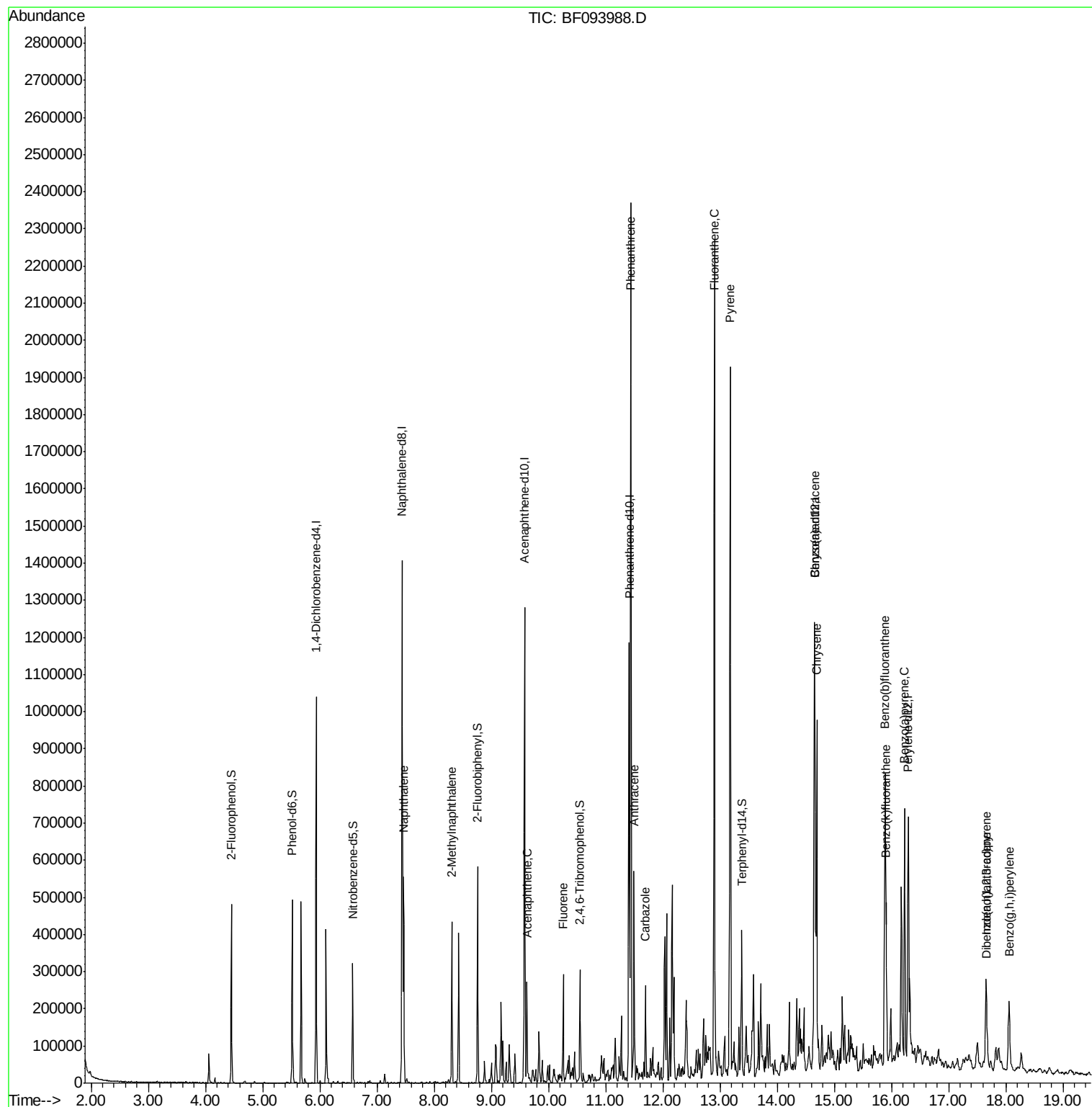
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
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ALS Vial : 48 Sample Multiplier: 1

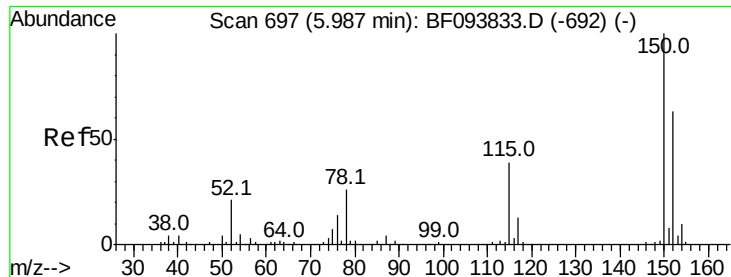
Instrument :
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E2-R15-SSWDL

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#1

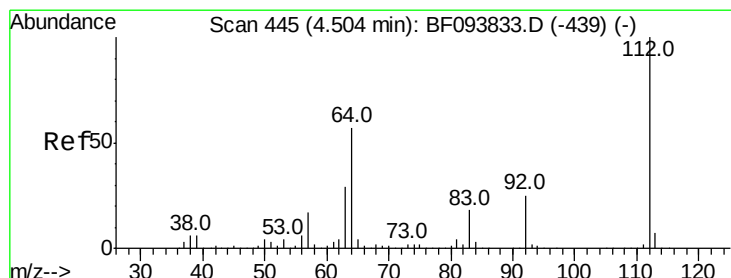
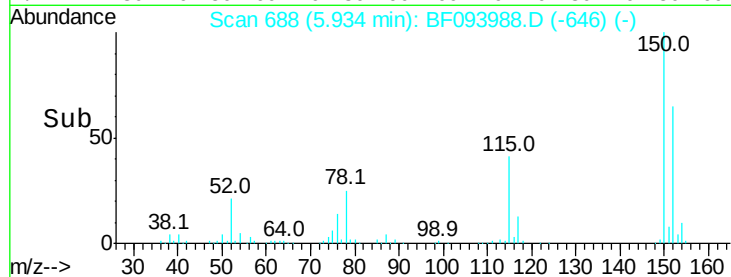
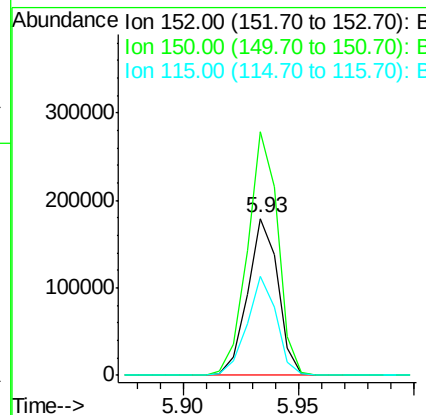
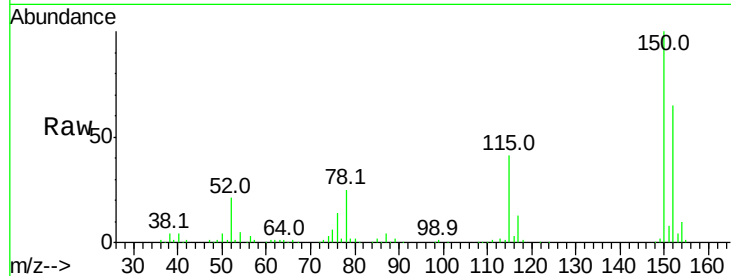
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.93 min Scan# 688
Delta R.T. -0.05 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Instrument :
BNA_F
ClientSampleId :
E2-R15-SSWDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	126.2	189.2
115	63.2	52.2	78.2

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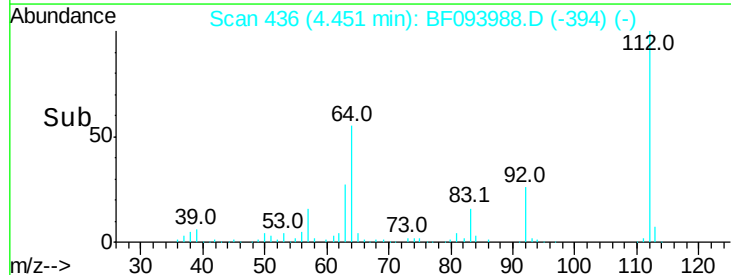
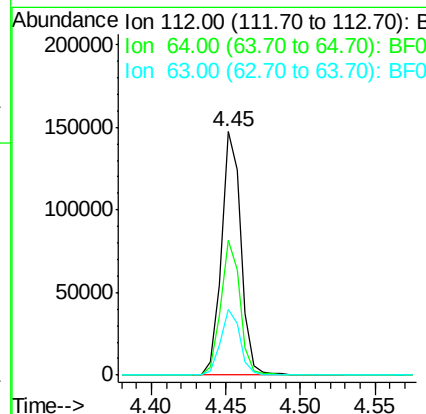
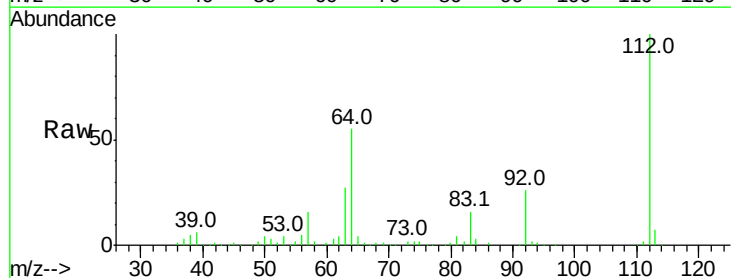
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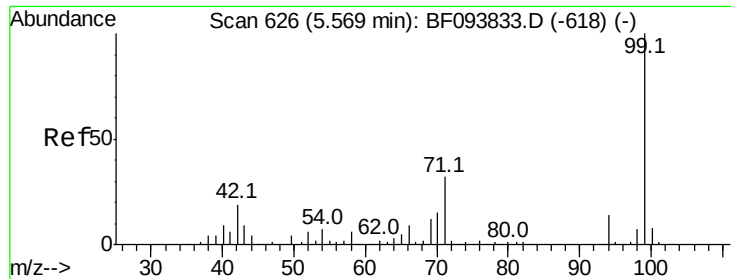


#5

2-Fluorophenol
Concen: 13.86 ng
RT: 4.45 min Scan# 436
Delta R.T. -0.05 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	46.0	69.0
63	27.1	23.4	35.0





#7

Phenol-d6

Concen: 14.14 ng

RT: 5.52 min Scan# 617

Delta R.T. -0.05 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Instrument :

BNA_F

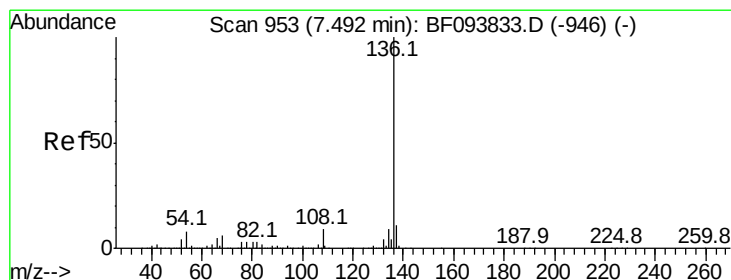
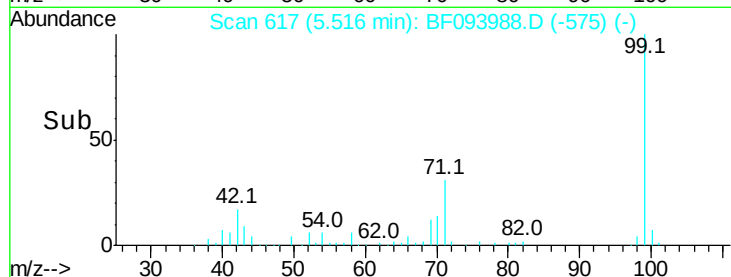
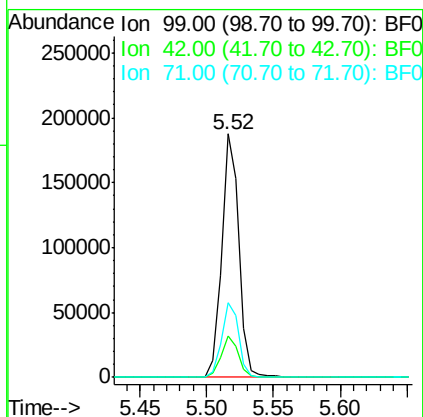
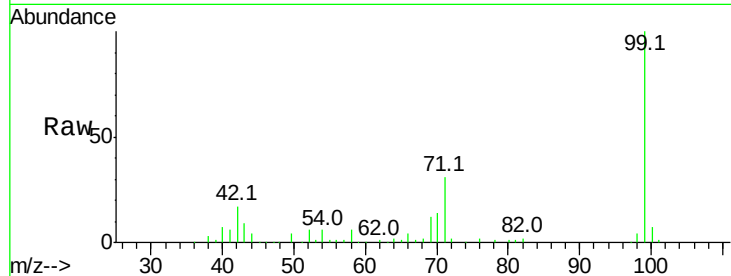
ClientSampleId :

E2-R15-SSWDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		170586		
42	17.1	13.5	20.3		
71	30.9	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

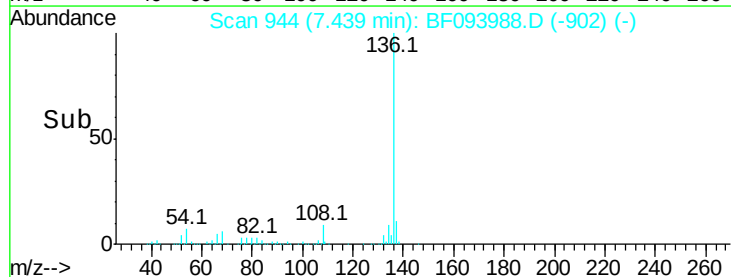
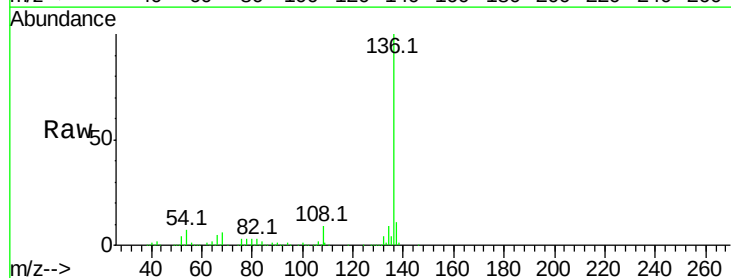
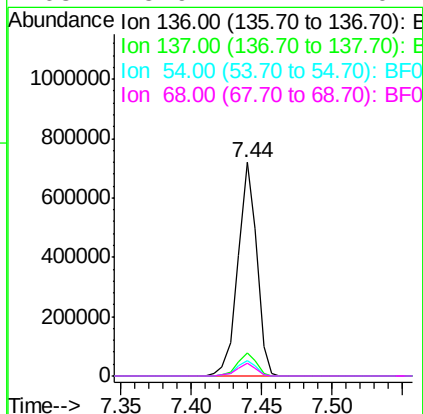
RT: 7.44 min Scan# 944

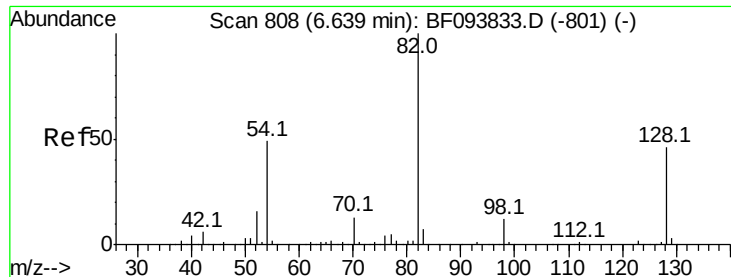
Delta R.T. -0.05 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		665428		
137	10.7	8.5	12.7		
54	7.4	4.9	7.3#		
68	5.9	4.1	6.1		





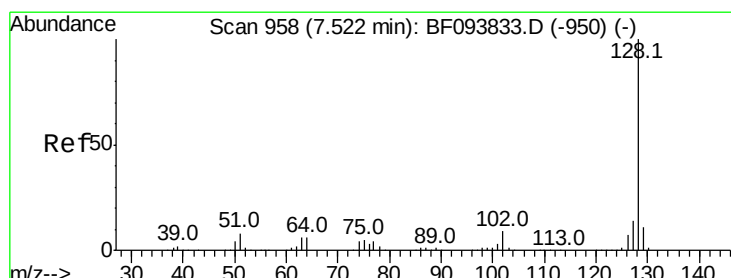
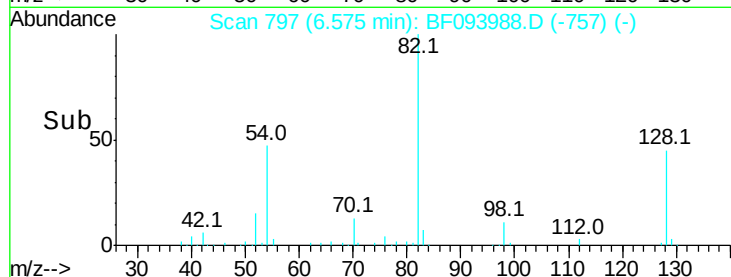
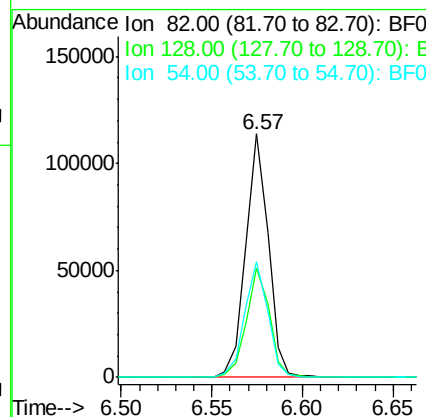
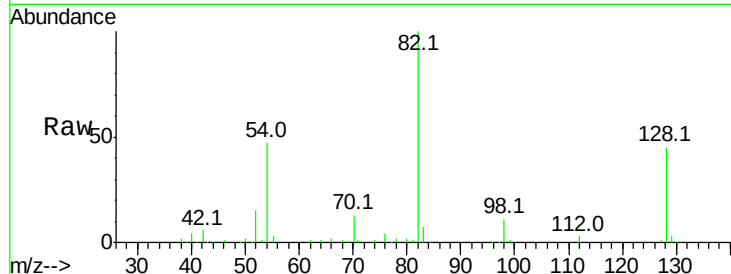
#23
Nitrobenzene-d5
Concen: 8.52 ng
RT: 6.57 min Scan# 797
Delta R.T. -0.06 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Instrument :
BNA_F
ClientSampled :
E2-R15-SSWDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.0	51.0
54	47.3	42.2	63.2

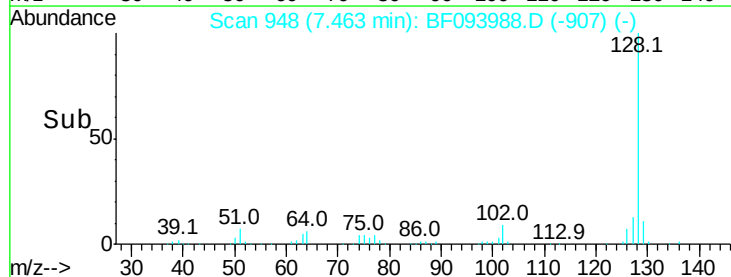
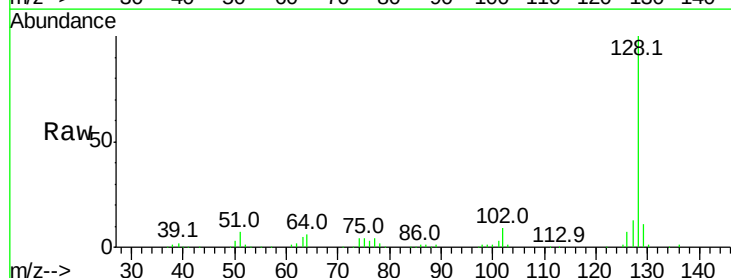
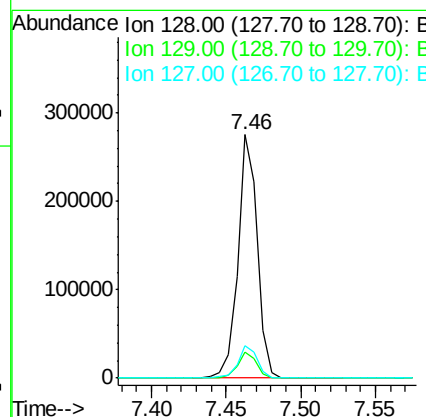
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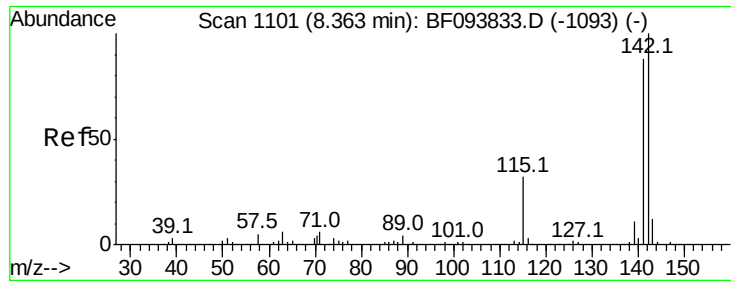
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#31
Naphthalene
Concen: 7.86 ng
RT: 7.46 min Scan# 948
Delta R.T. -0.06 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.3	10.8	16.2





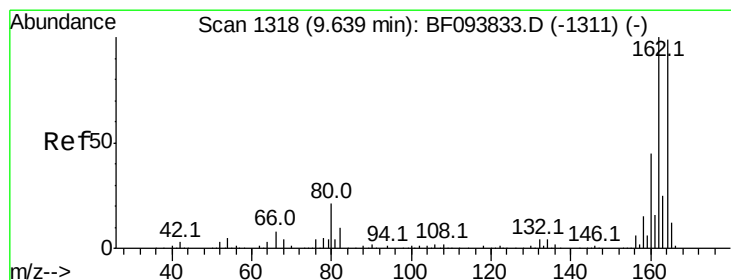
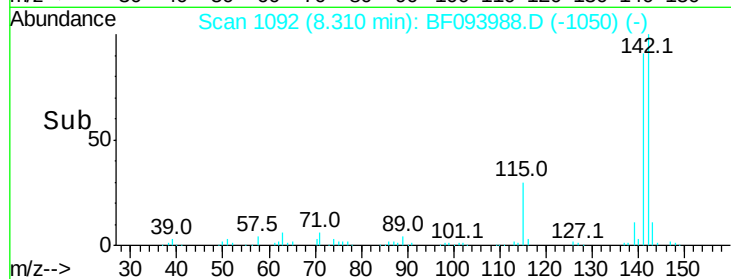
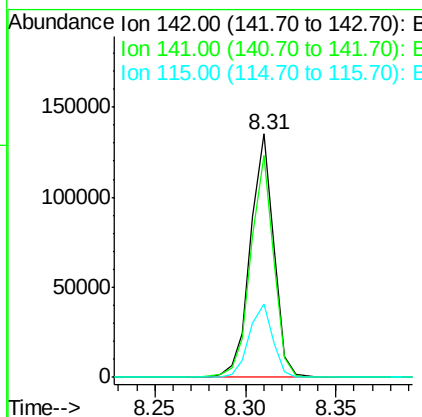
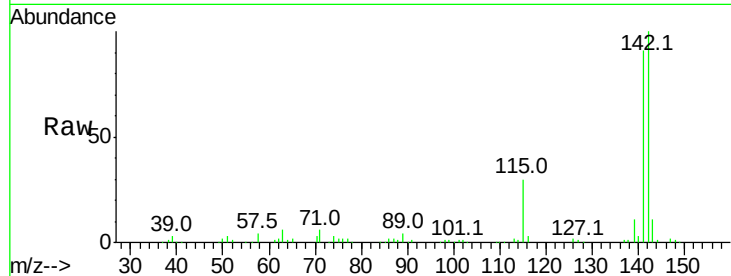
#37
2-Methylnaphthalene
Concen: 5.67 ng
RT: 8.31 min Scan# 1092
Delta R.T. -0.05 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Instrument :
BNA_F
ClientSampleId :
E2-R15-SSWDL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	120996		
141	91.1		71.3	106.9
115	30.3		27.1	40.7

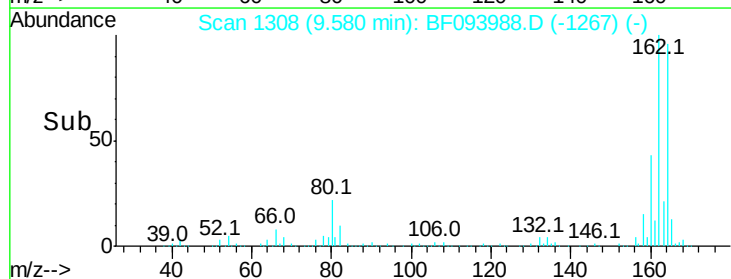
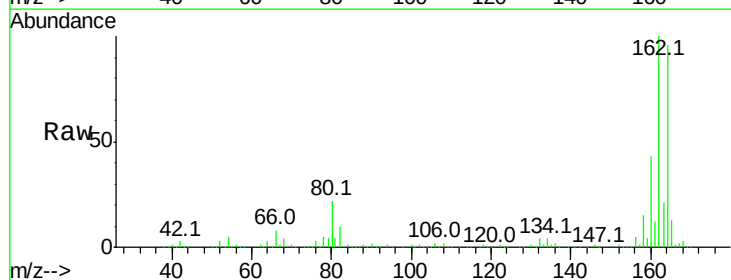
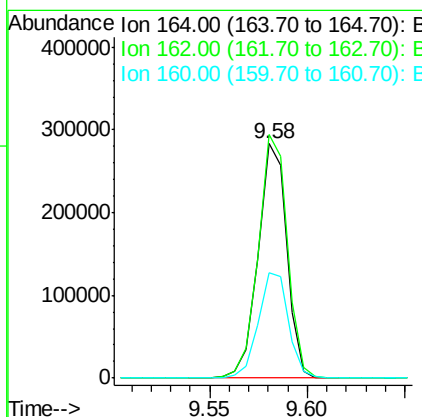
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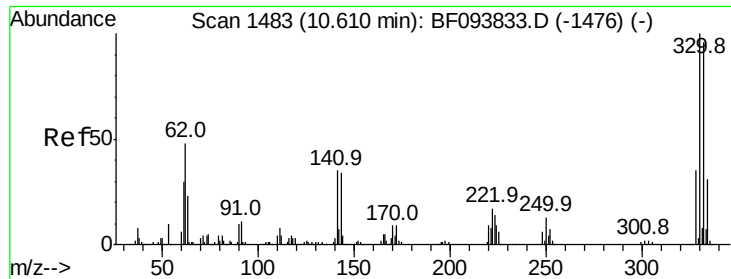
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.06 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	288298		
162	103.9		82.6	123.8
160	44.9		36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 12.26 ng

RT: 10.55 min Scan# 1473

Delta R.T. -0.06 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Instrument :

BNA_F

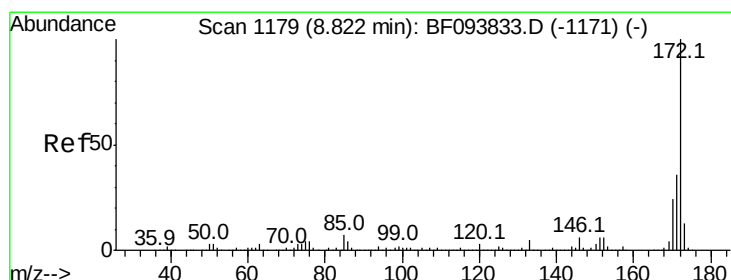
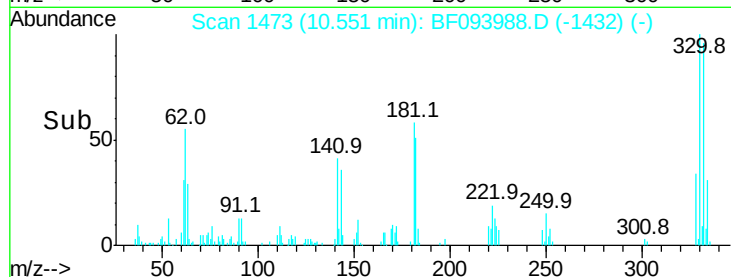
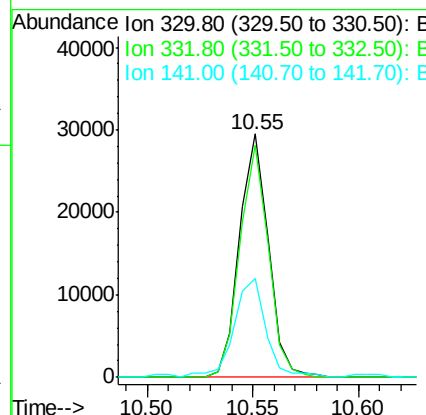
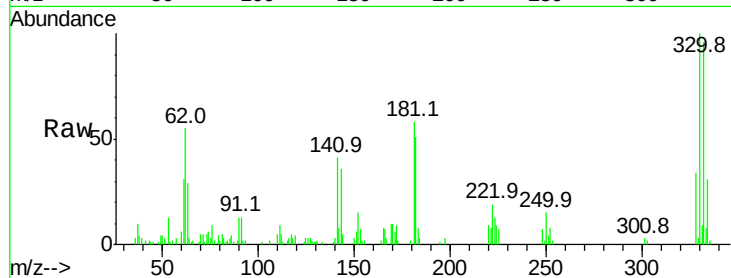
ClientSampleId :

E2-R15-SSWDL

Tot Ion:	330	Resp:	27924
Ion Ratio	Lower	Upper	
330	100		
332	93.7	76.6	115.0
141	45.0	31.4	47.2

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#44

2-Fluorobiphenyl

Concen: 9.99 ng

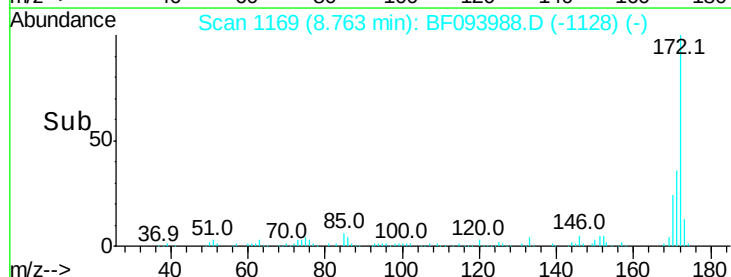
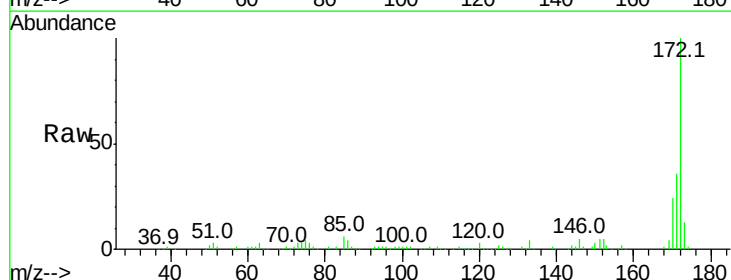
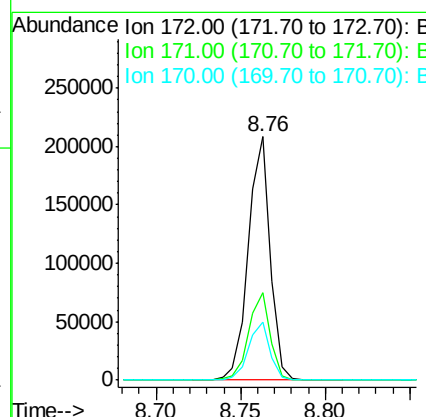
RT: 8.76 min Scan# 1169

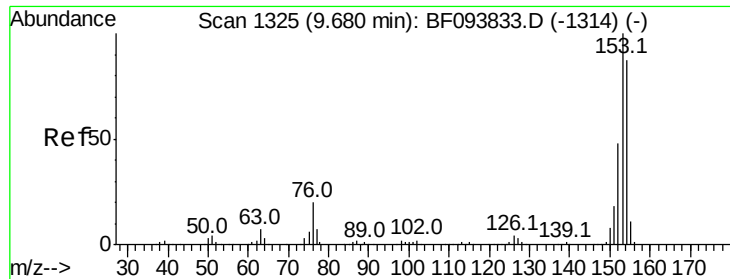
Delta R.T. -0.06 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Tgt Ion:	172	Resp:	188861
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.6	44.4
170	23.7	19.8	29.8





#51

Acenaphthene

Concen: 3.28 ng

RT: 9.62 min Scan# 1315

Delta R.T. -0.06 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Instrument :

BNA_F

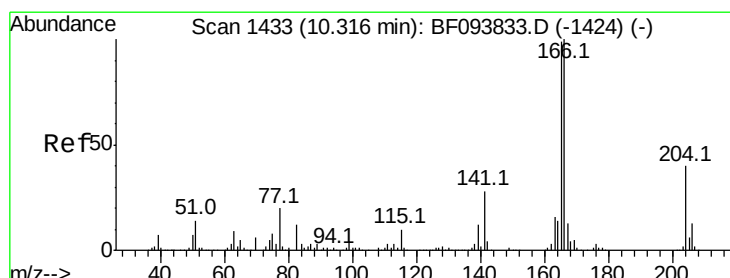
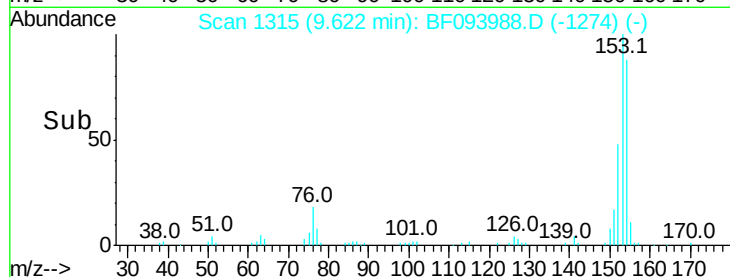
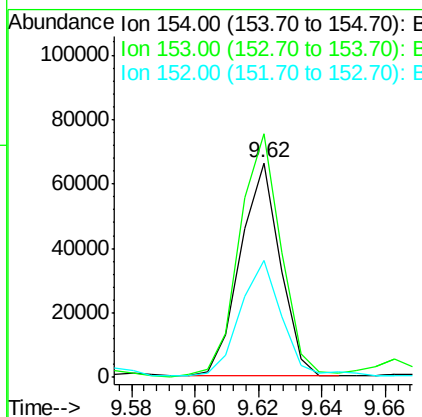
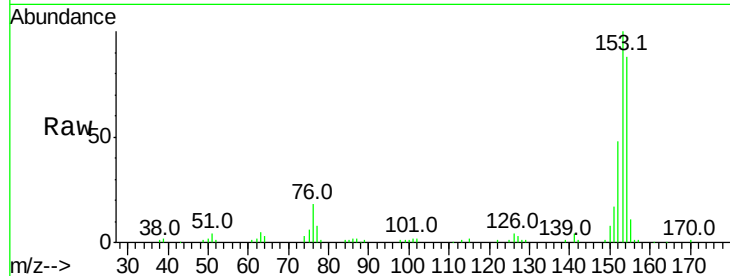
ClientSampleId :

E2-R15-SSWDL

Tot Ion:	154	Resp:	57851
Ion Ratio	Lower	Upper	
154	100		
153	113.6	90.5	135.7
152	54.3	43.6	65.4

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#57

Fluorene

Concen: 4.09 ng

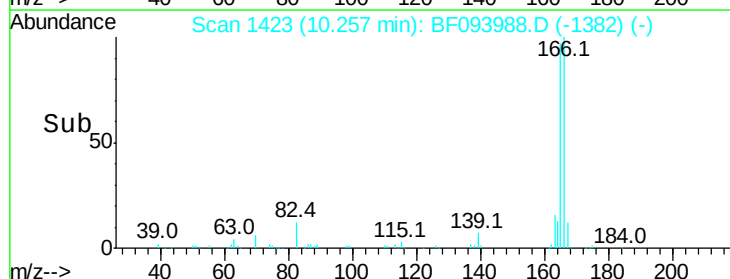
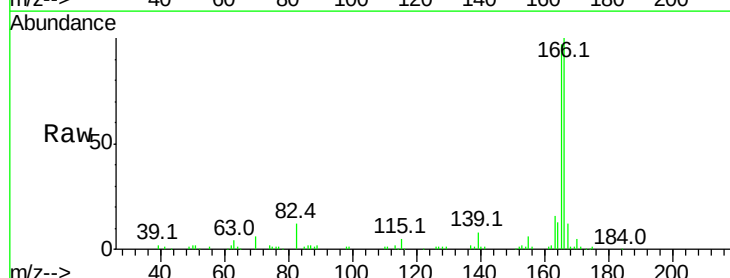
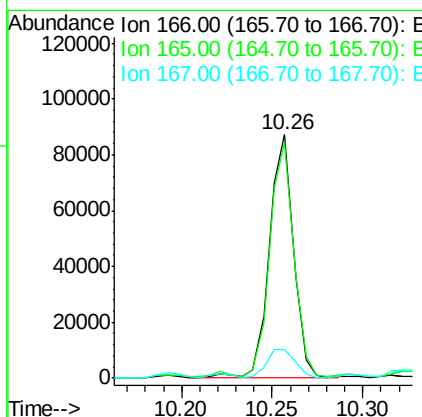
RT: 10.26 min Scan# 1423

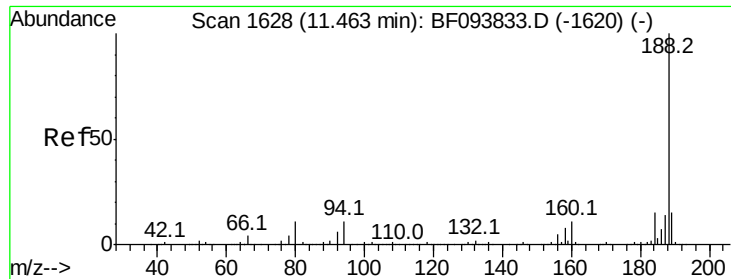
Delta R.T. -0.06 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Tgt Ion:	166	Resp:	81500
Ion Ratio	Lower	Upper	
166	100		
165	96.8	78.8	118.2
167	12.0	10.6	16.0





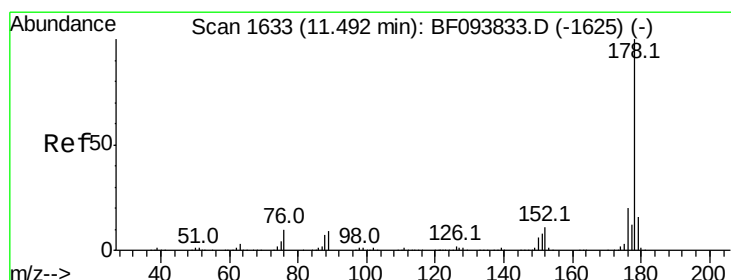
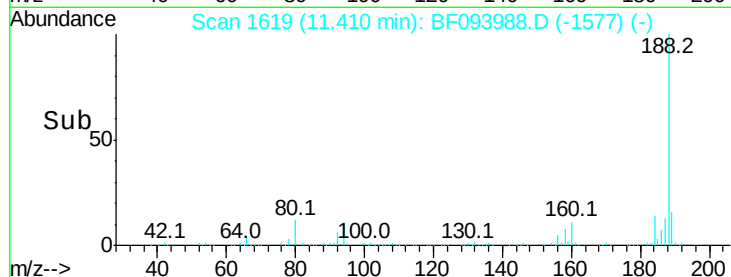
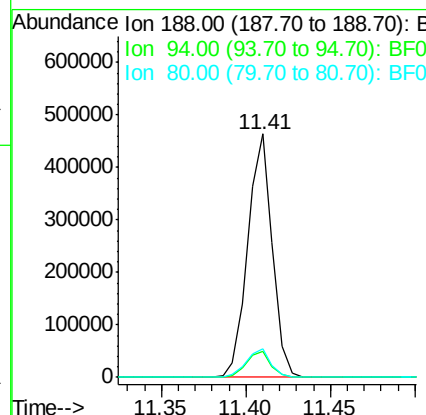
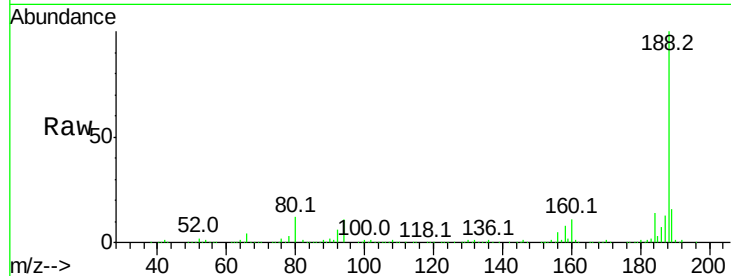
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1619
Delta R.T. -0.05 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Instrument :
BNA_F
ClientSampleId :
E2-R15-SSWDL

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.6	10.2	15.2

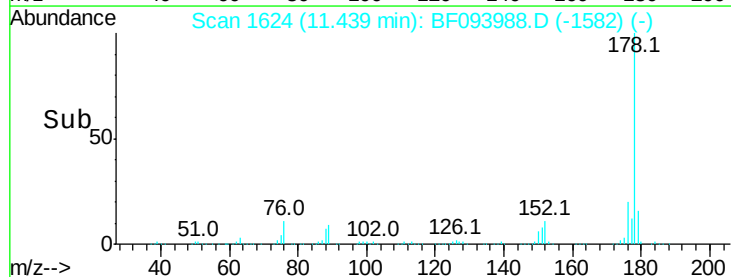
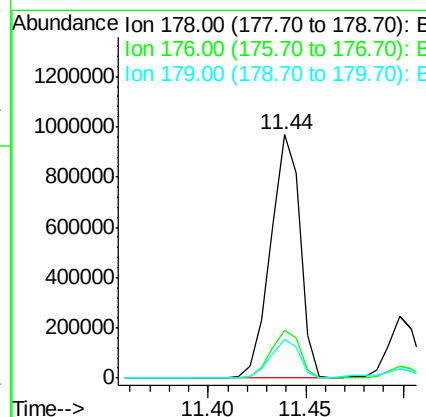
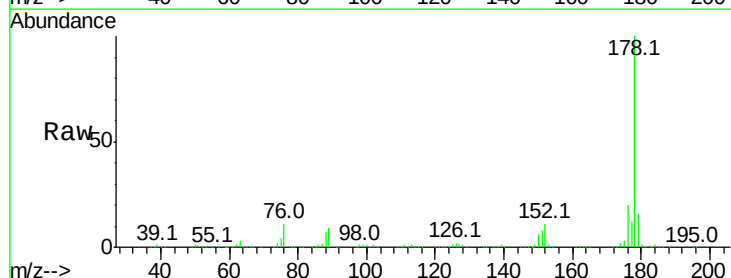
Manual Integrations
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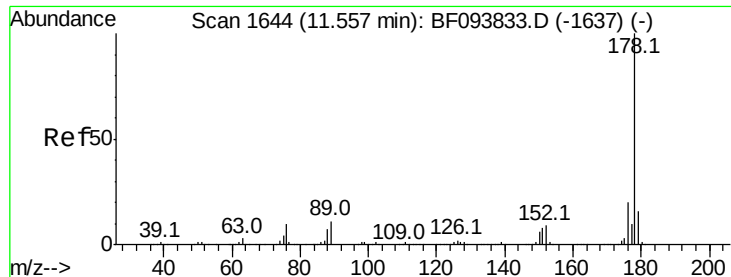
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#70
Phenanthrene
Concen: 39.04 ng
RT: 11.44 min Scan# 1624
Delta R.T. -0.05 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	16.1	12.6	19.0





#71

Anthracene

Concen: 8.74 ng

RT: 11.50 min Scan# 1634

Delta R.T. -0.06 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Instrument :

BNA_F

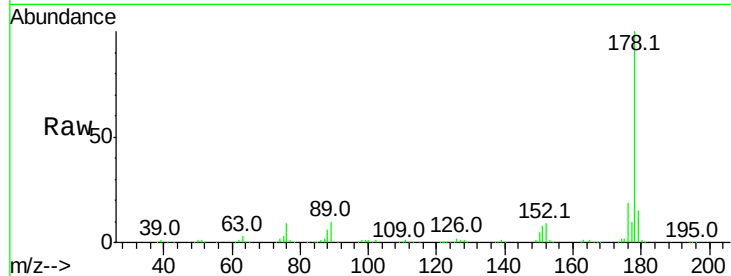
ClientSampleId :

E2-R15-SSWDL

Tot Ion:	178	Resp:	234140
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	15.1	12.7	19.1

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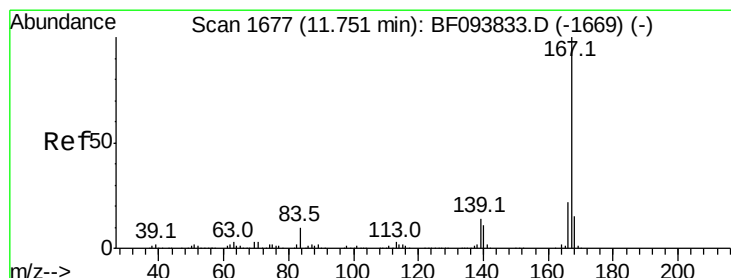
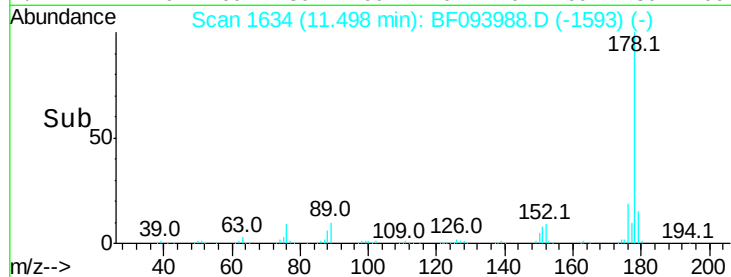
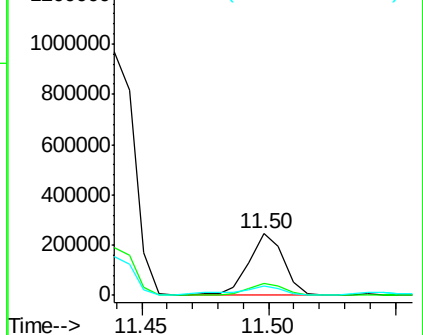
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 3.79 ng

RT: 11.70 min Scan# 1668

Delta R.T. -0.05 min

Lab File: BF093988.D

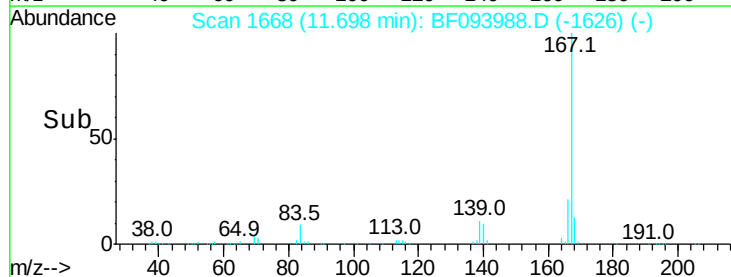
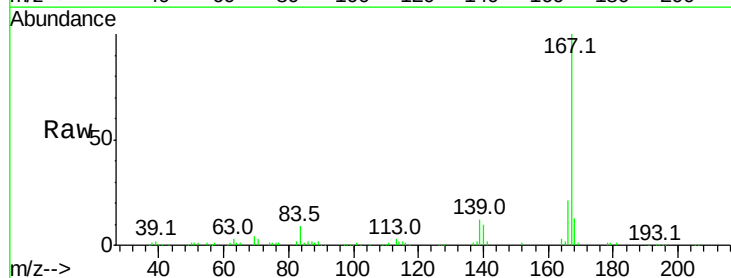
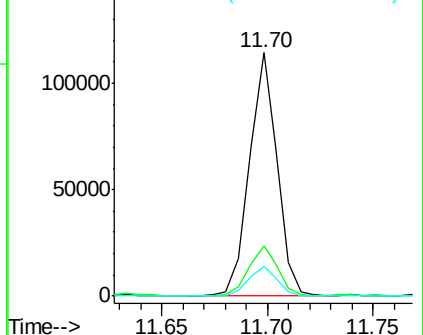
Acq: 28 Mar 2017 12:32

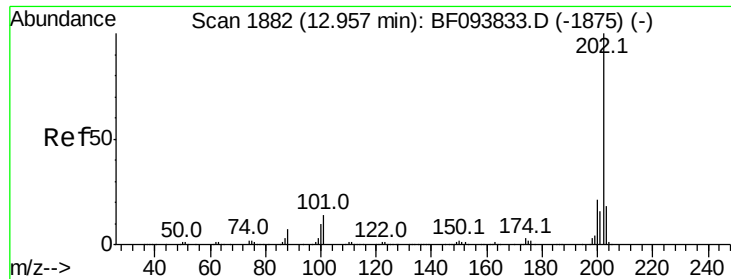
Tgt Ion:	167	Resp:	104166
Ion Ratio	Lower	Upper	
167	100		
166	20.9	18.1	27.1
139	12.4	11.7	17.5

Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 37.33 ng

RT: 12.90 min Scan# 1873

Delta R.T. -0.05 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Instrument :

BNA_F

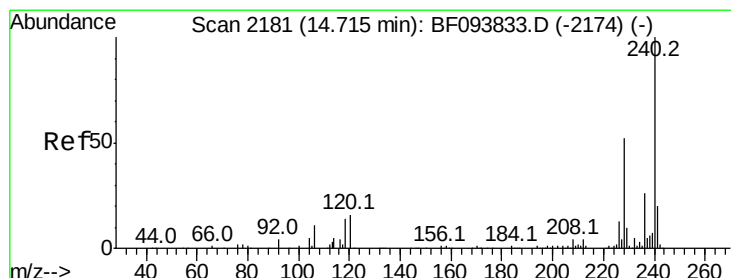
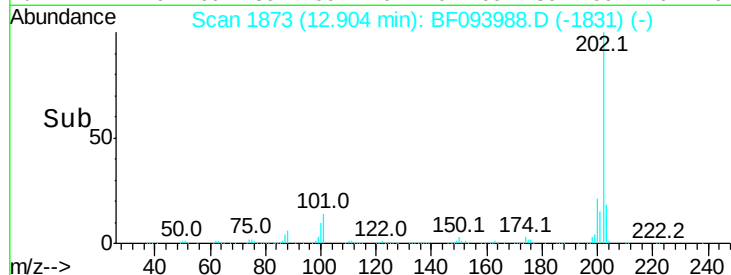
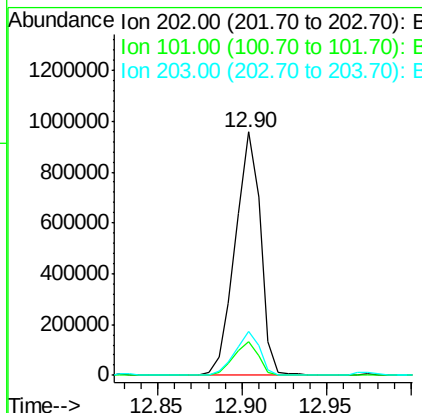
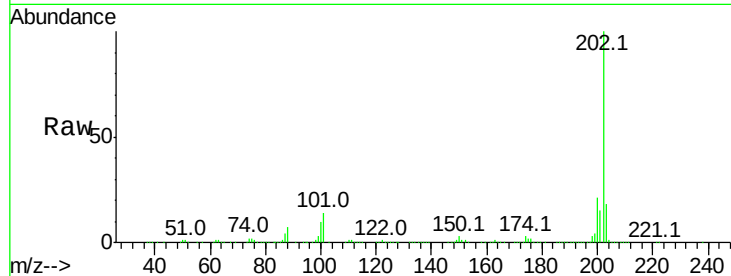
ClientSampleId :

E2-R15-SSWDL

Tot Ion:	202	Resp:	995054
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	33.2
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

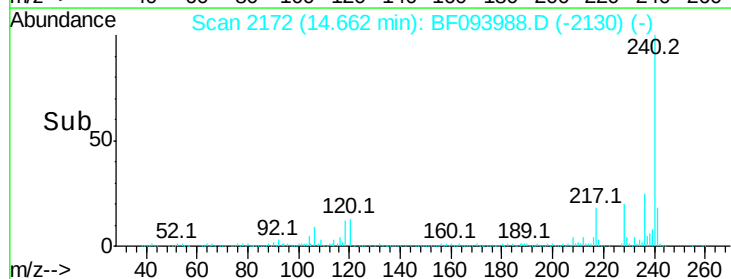
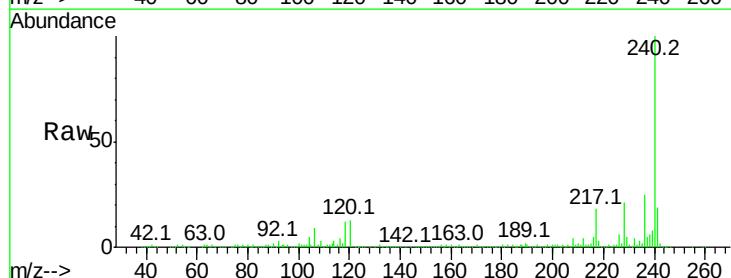
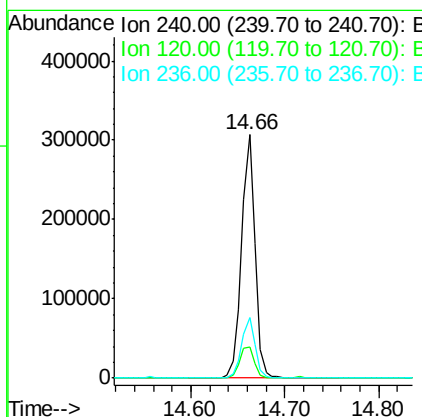
RT: 14.66 min Scan# 2172

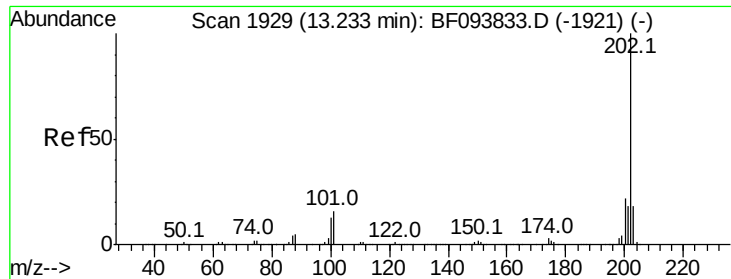
Delta R.T. -0.05 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Tgt Ion:	240	Resp:	306435
Ion Ratio	Lower	Upper	
240	100		
120	12.8	5.8	8.8#
236	25.1	20.5	30.7





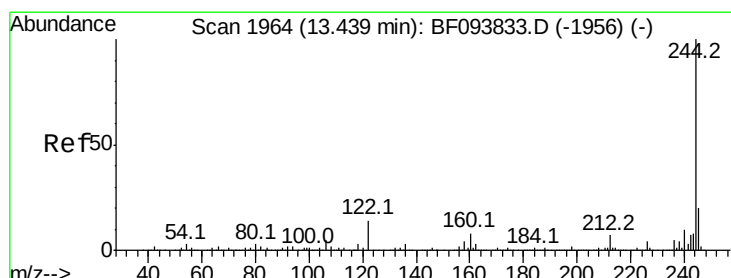
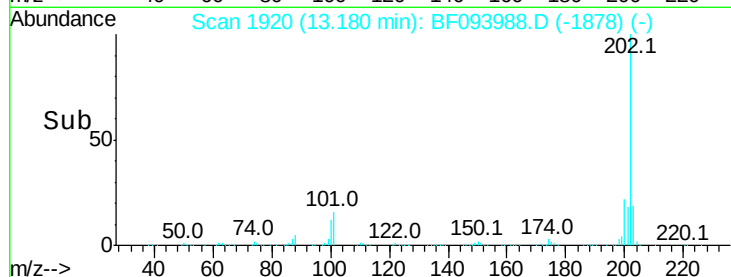
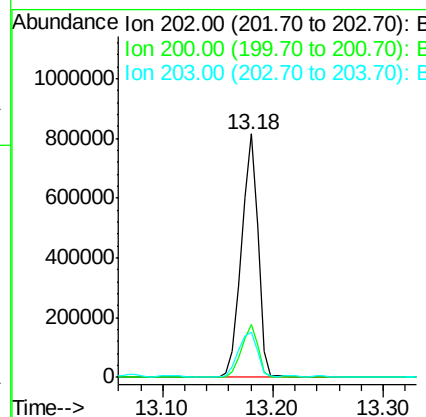
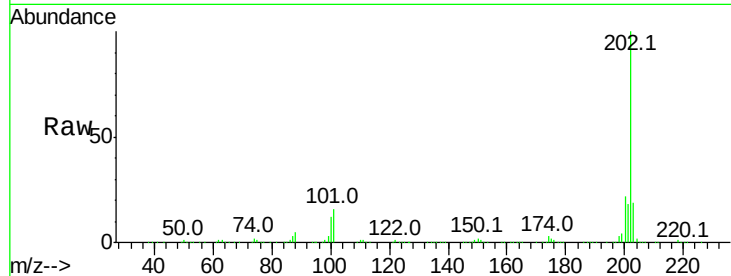
#77
Pvrene
Concen: 38.78 ng
RT: 13.18 min Scan# 1920
Delta R.T. -0.05 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Instrument :
BNA_F
ClientSampled :
E2-R15-SSWDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	18.7	14.4	21.6

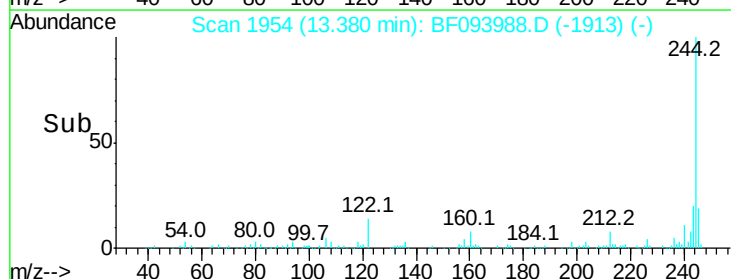
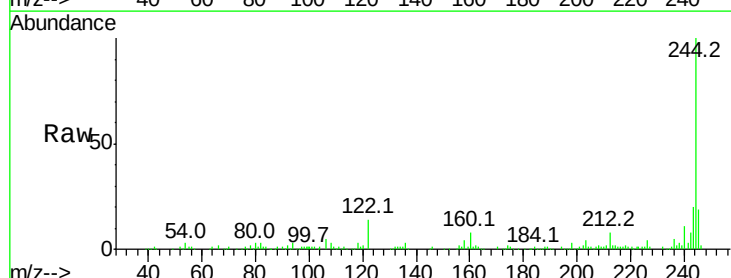
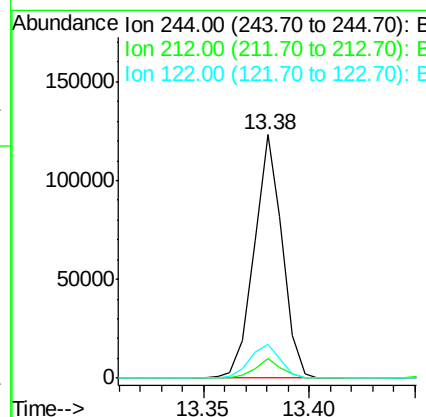
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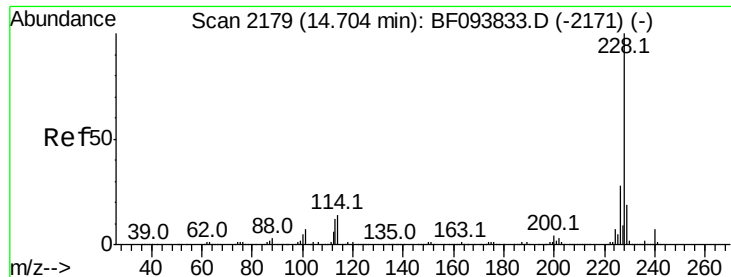
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#78
Terphenyl-d14
Concen: 8.30 ng
RT: 13.38 min Scan# 1954
Delta R.T. -0.06 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.0	9.0
122	13.8	10.3	15.5





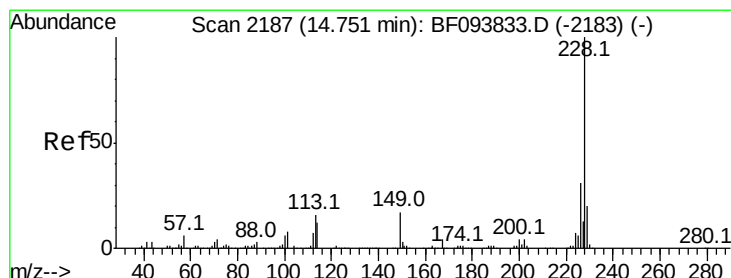
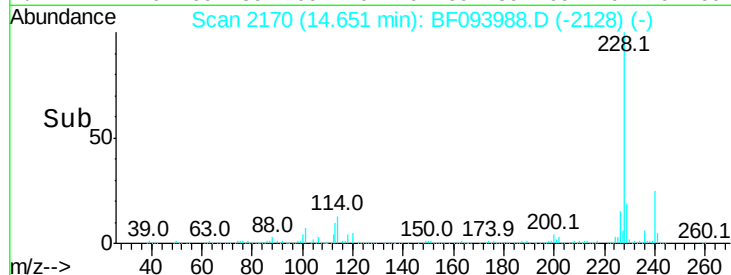
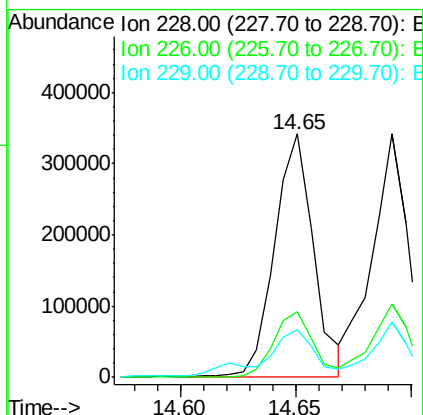
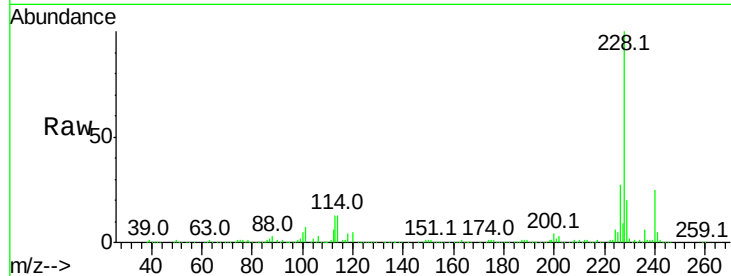
#80
Benzo(a)anthracene
Concen: 22.23 ng
RT: 14.65 min Scan# 2170
Delta R.T. -0.05 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Instrument :
BNA_F
ClientSampleId :
E2-R15-SSWDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	19.6	16.3	24.5

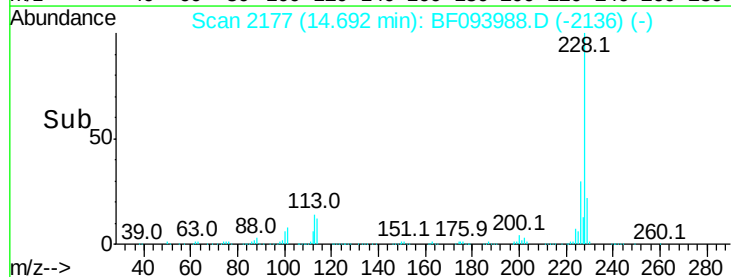
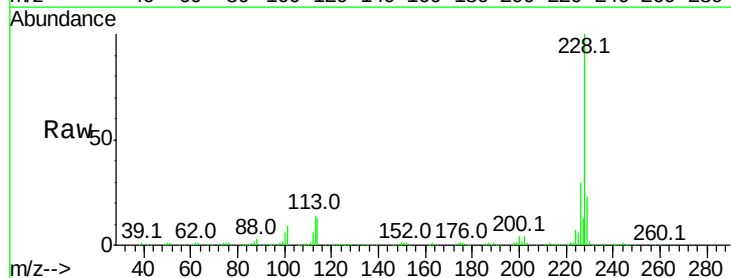
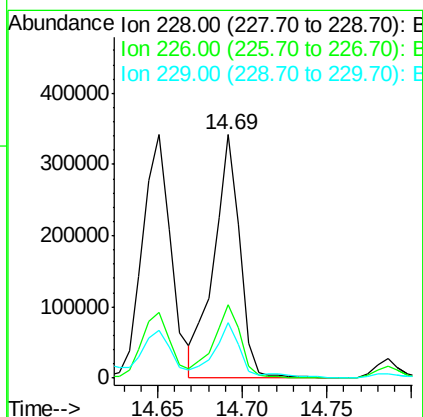
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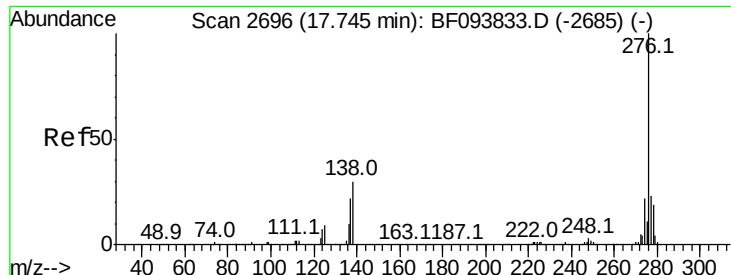
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#82
Chrysene
Concen: 22.04 ng
RT: 14.69 min Scan# 2177
Delta R.T. -0.06 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.8	15.8	23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 10.26 ng

RT: 17.66 min Scan# 2681

Delta R.T. -0.09 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Instrument :

BNA_F

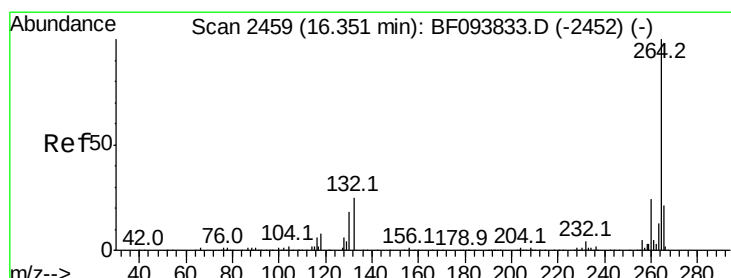
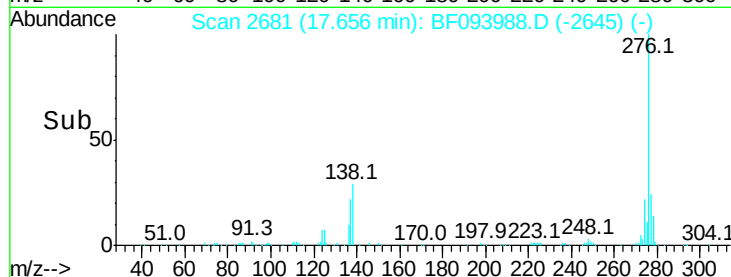
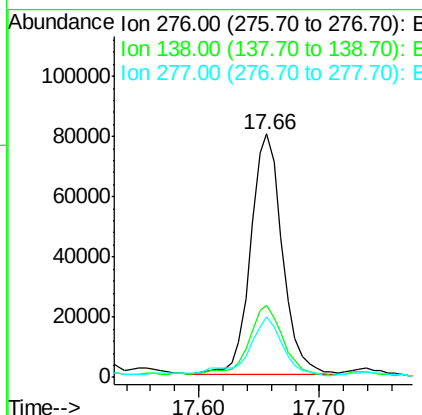
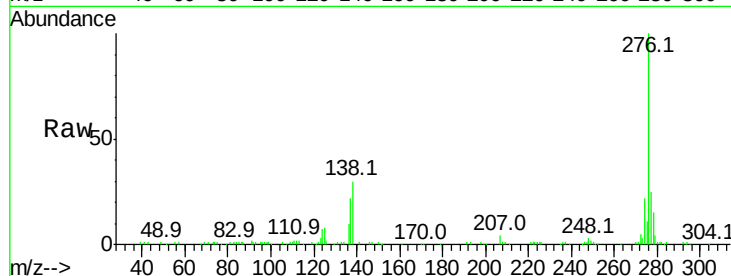
ClientSampleId :

E2-R15-SSWDL

Tot Ion:	276	Resp:	147306
Ion Ratio	Lower	Upper	
276	100		
138	31.3	27.8	41.6
277	29.9	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

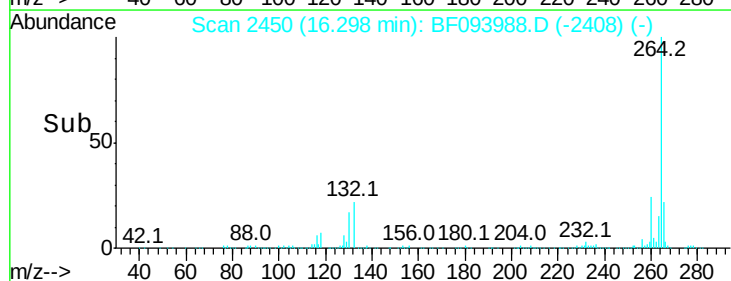
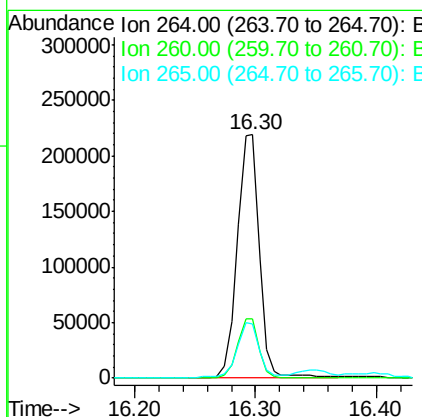
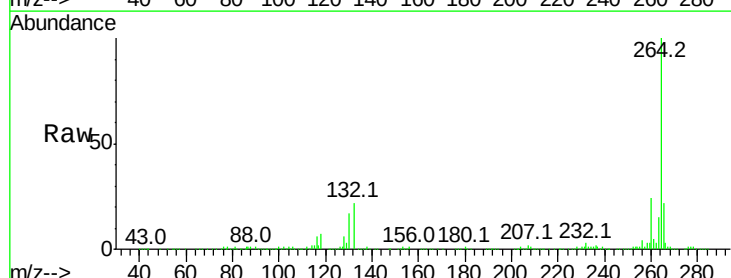
RT: 16.30 min Scan# 2450

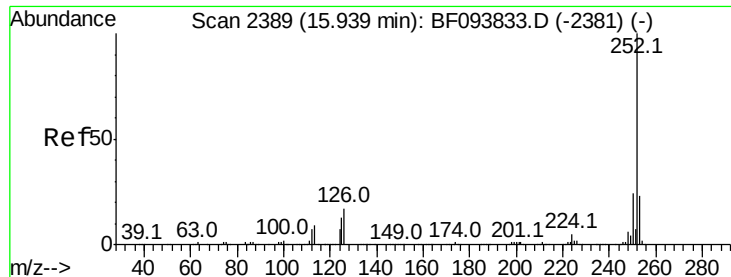
Delta R.T. -0.05 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Tgt Ion:	264	Resp:	281678
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	22.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 25.56 ng m

RT: 15.89 min Scan# 2380

Delta R.T. -0.05 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Instrument :

BNA_F

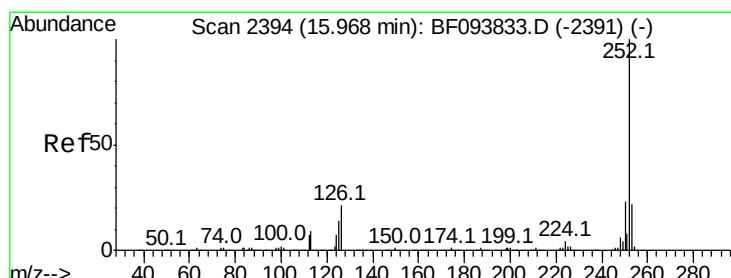
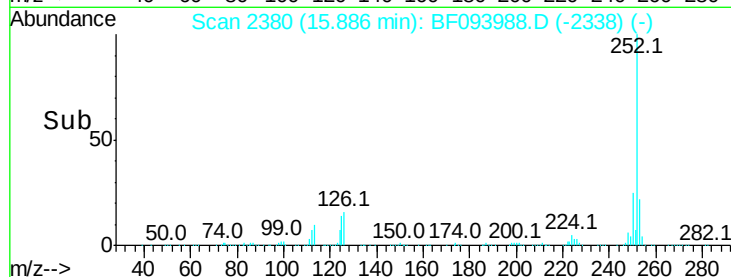
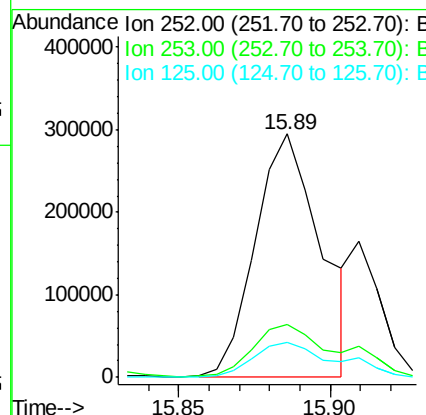
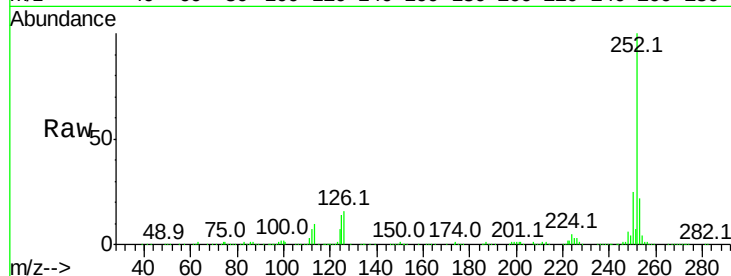
ClientSampleId :

E2-R15-SSWDL

Tot Ion:	252	Resp:	441289
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.1	27.1
125	14.4	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 6.79 ng m

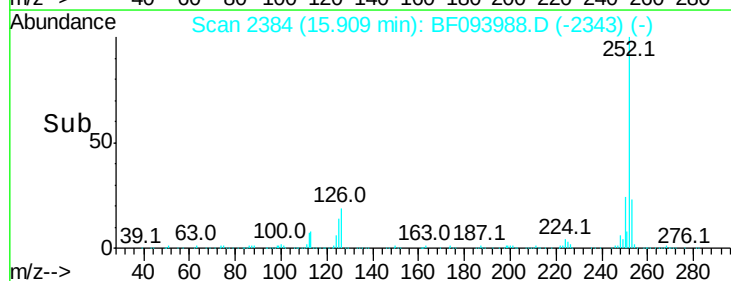
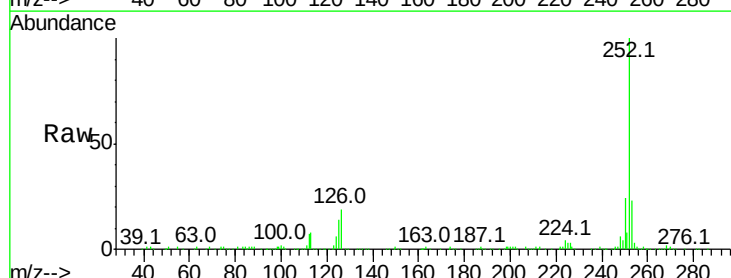
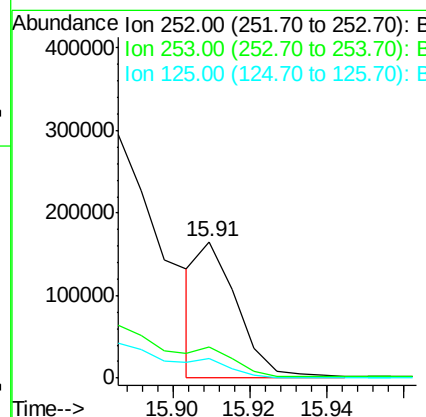
RT: 15.91 min Scan# 2384

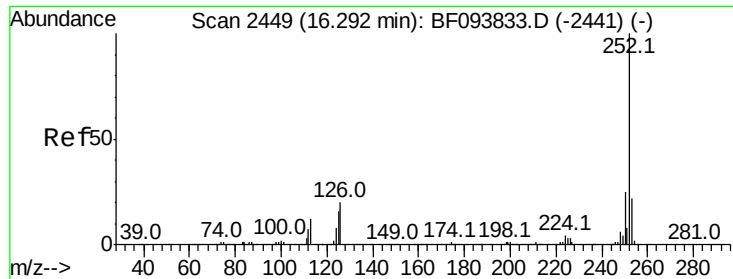
Delta R.T. -0.06 min

Lab File: BF093988.D

Acq: 28 Mar 2017 12:32

Tgt Ion:	252	Resp:	115512
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.4	27.6
125	13.9	13.1	19.7





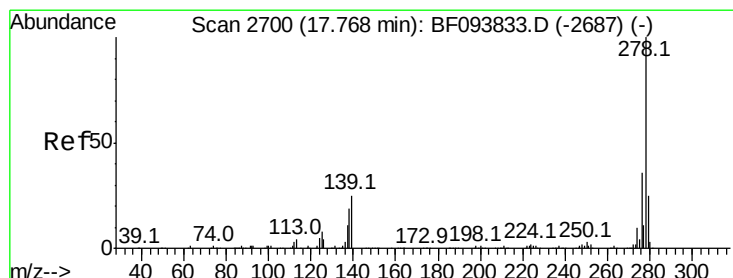
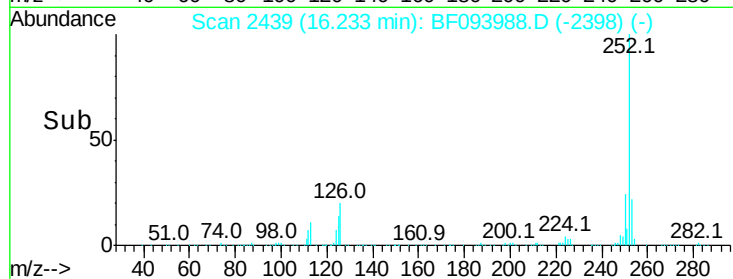
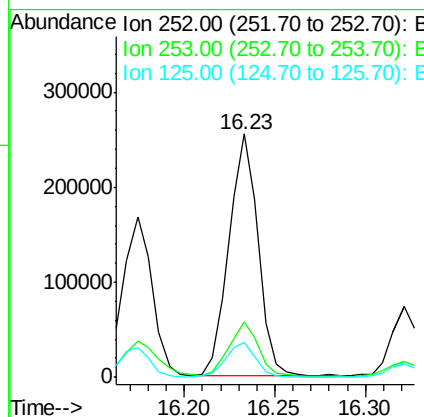
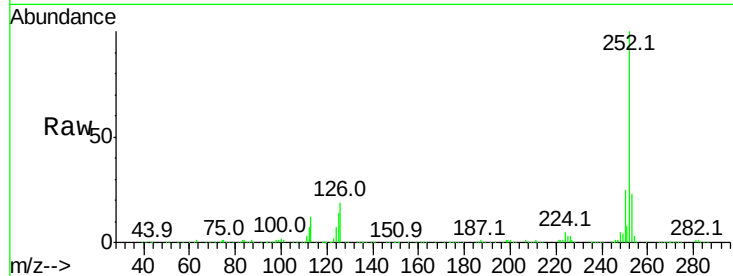
#89
Benzo(a)pyrene
Concen: 17.88 ng
RT: 16.23 min Scan# 2439
Delta R.T. -0.06 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Instrument :
BNA_F
ClientSampleId :
E2-R15-SSWDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	14.4	11.0	16.4

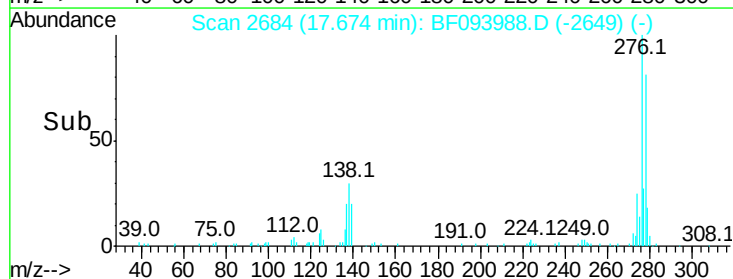
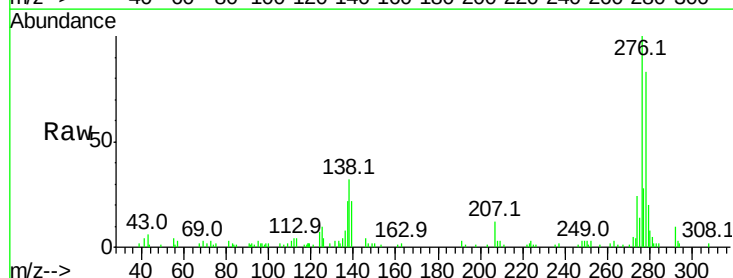
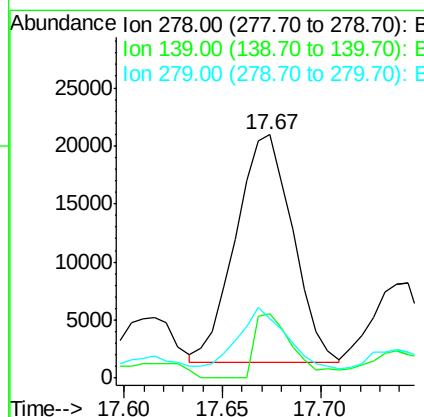
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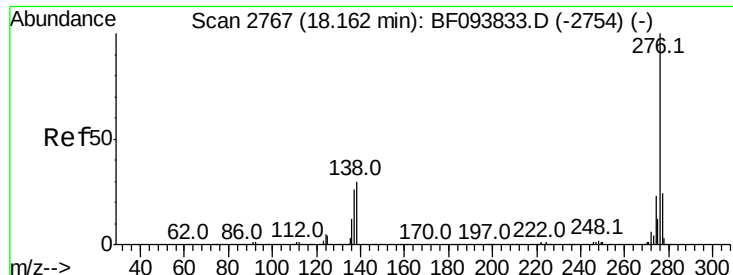
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#90
Dibenzo(a,h)anthracene
Concen: 2.96 ng m
RT: 17.67 min Scan# 2684
Delta R.T. -0.09 min
Lab File: BF093988.D
Acq: 28 Mar 2017 12:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.4	16.6	24.8#
279	24.4	19.3	28.9





#91
 Benzo(a,h,i)perylene
 Concen: 9.67 ng
 RT: 18.06 min Scan# 2749
 Delta R.T. -0.11 min
 Lab File: BF093988.D
 Acq: 28 Mar 2017 12:32

Instrument :
 BNA_F
 ClientSampleId :
 E2-R15-SSWDL

Tot Ion:	276	Resp:	131248
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.6	28.0
138	31.4	25.4	38.0

Manual Integrations
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