

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093989.D
 Acq On : 28 Mar 2017 12:59
 Operator : SJ/MA
 Sample : I2413-01DL 5X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-01DL

Manual Integrations
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Quant Time: Mar 28 14:11:06 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.94	152	167391	20.00	ng	-0.01
21) Naphthalene-d8	7.45	136	651496	20.00	ng	-0.01
38) Acenaphthene-d10	9.59	164	286242	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	463795	20.00	ng	-0.01
75) Chrysene-d12	14.66	240	314717	20.00	ng	-0.02
86) Perylene-d12	16.29	264	286855	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	168022	16.95	ng	-0.02
7) Phenol-d6	5.52	99	286521	23.37	ng	-0.03
23) Nitrobenzene-d5	6.58	82	161465	14.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.55	330	49227	21.76	ng	-0.02
44) 2-Fluorobiphenyl	8.76	172	303545	16.17	ng	-0.02
78) Terphenyl-d14	13.38	244	188801	13.45	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.47	128	739701	23.61	ng	100
37) 2-Methylnaphthalene	8.31	142	476605	22.82	ng	99
51) Acenaphthene	9.62	154	39744	2.27	ng	100
57) Fluorene	10.26	166	45518	2.30	ng	99
70) Phenanthrene	11.43	178	159277	6.17	ng	98
74) Fluoranthene	12.90	202	125489	4.75	ng	99
77) Pyrene	13.17	202	109418	4.79	ng	98
82) Chrysene	14.69	228	39373	2.31	ng	95
87) Benzo(b)fluoranthene	15.88	252	43834m	2.49	ng	

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

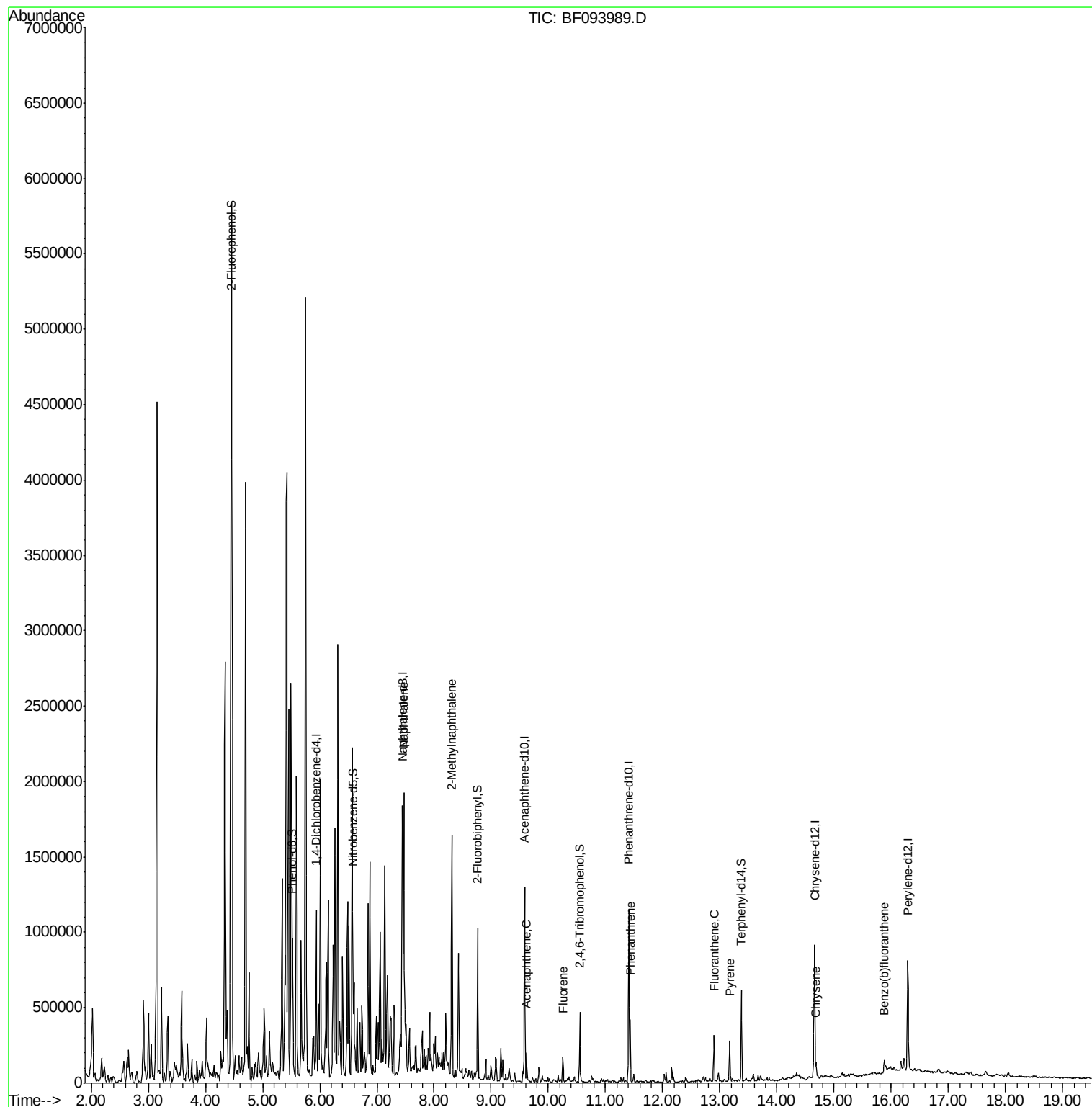
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
Data File : BF093989.D
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Sample : I2413-01DL 5X
Misc :
ALS Vial : 49 Sample Multiplier: 1

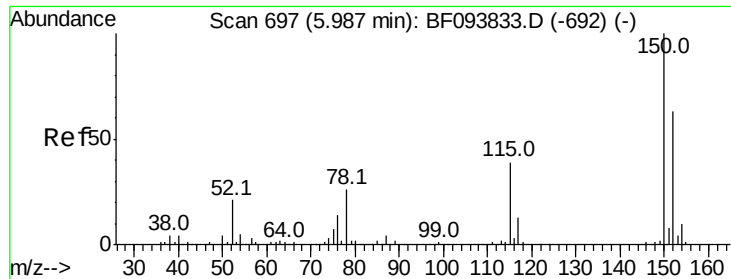
Instrument :
BNA_F
ClientSampleId :
TS-01DL

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#1

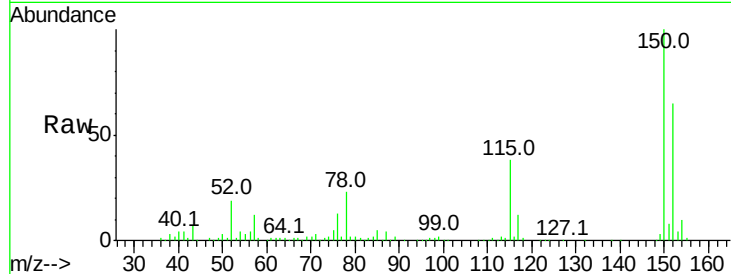
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.94 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF093989.D
Acq: 28 Mar 2017 12:59

Instrument :
BNA_F
ClientSampleId :
TS-01DL

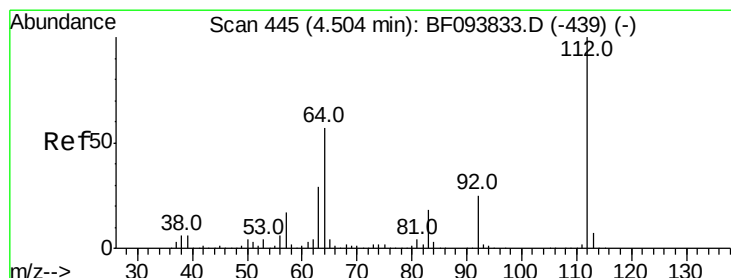
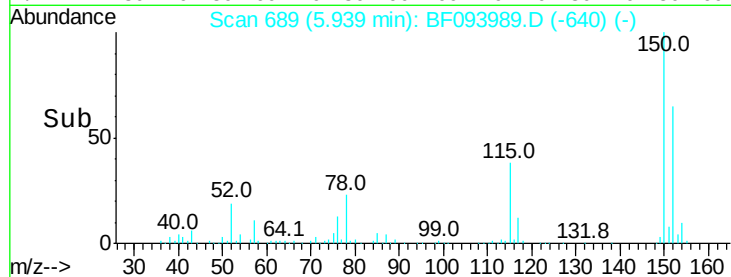
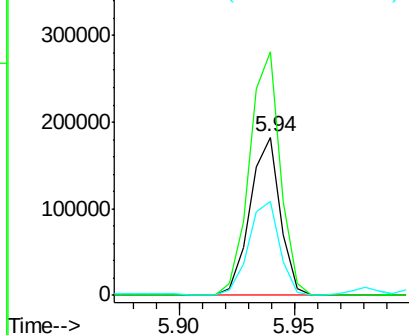
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	59.3	52.2	78.2

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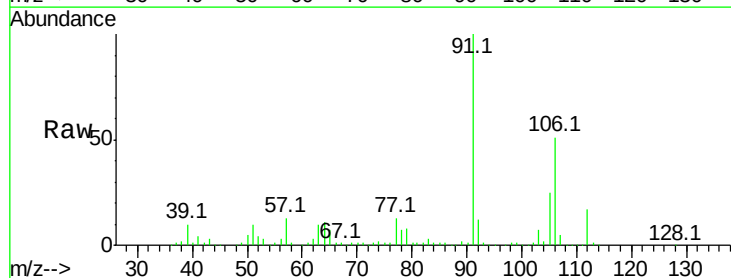
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



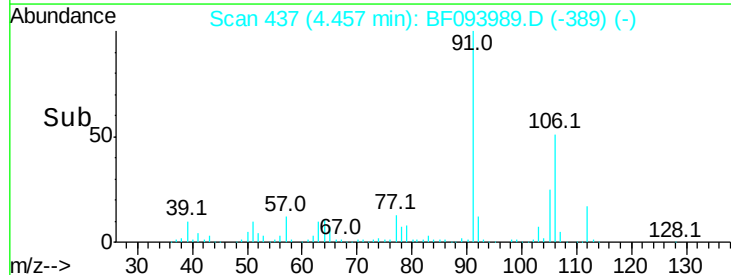
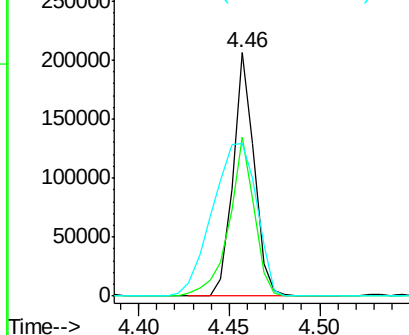
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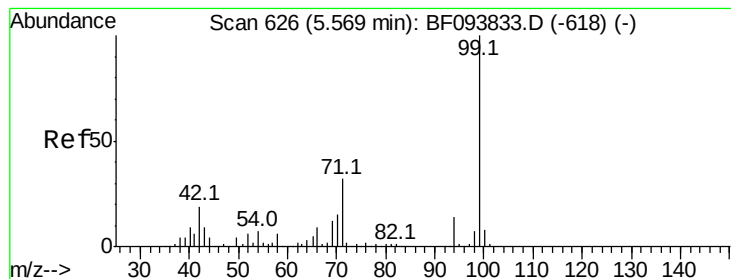
2-Fluorophenol
Concen: 16.95 ng
RT: 4.46 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF093989.D
Acq: 28 Mar 2017 12:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	46.0	69.0
63	62.8	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.37 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF093989.D

Acq: 28 Mar 2017 12:59

Instrument :

BNA_F

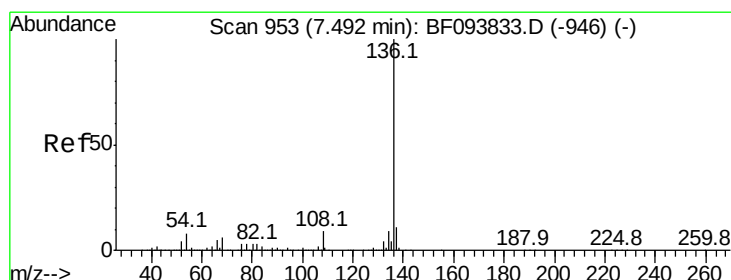
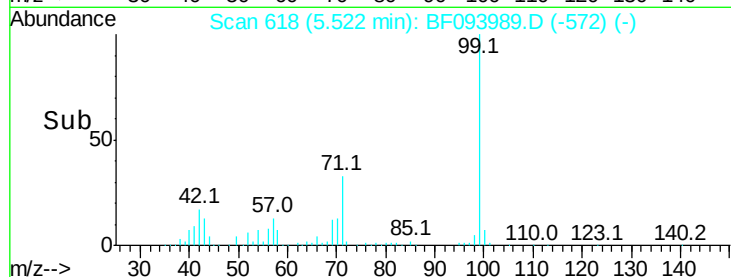
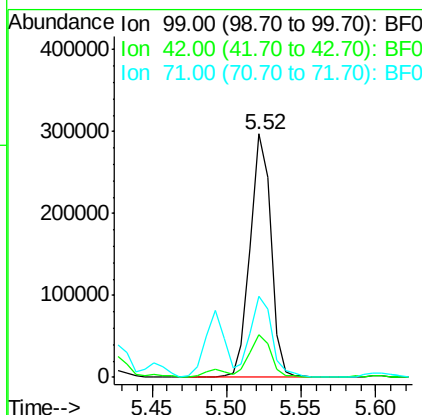
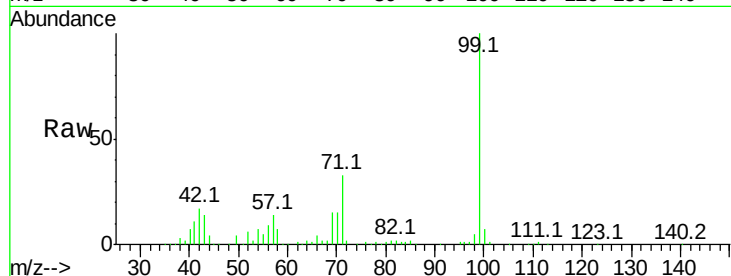
ClientSampleId :

TS-01DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		286521		
42	17.3	13.5	20.3		
71	33.3	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.00 ng

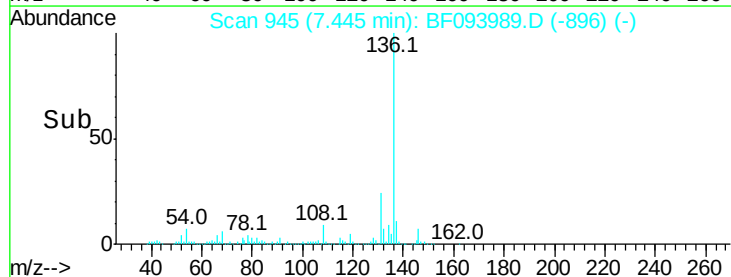
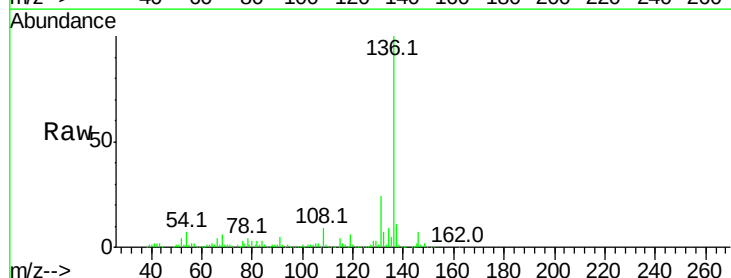
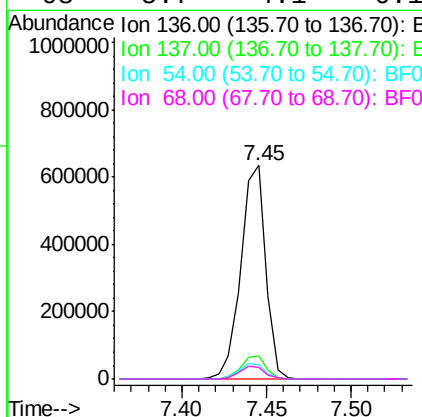
RT: 7.45 min Scan# 945

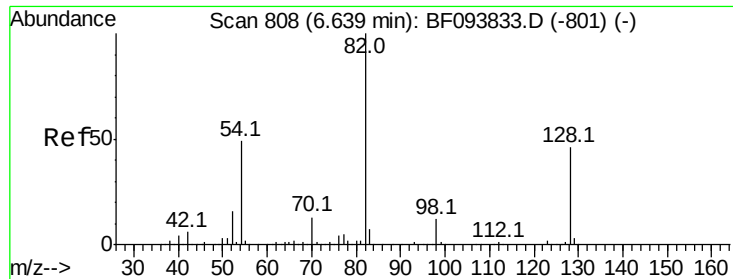
Delta R.T. -0.01 min

Lab File: BF093989.D

Acq: 28 Mar 2017 12:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		651496		
137	10.7	8.5	12.7		
54	6.7	4.9	7.3		
68	5.7	4.1	6.1		





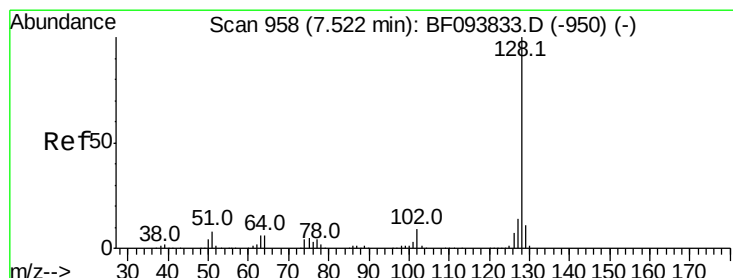
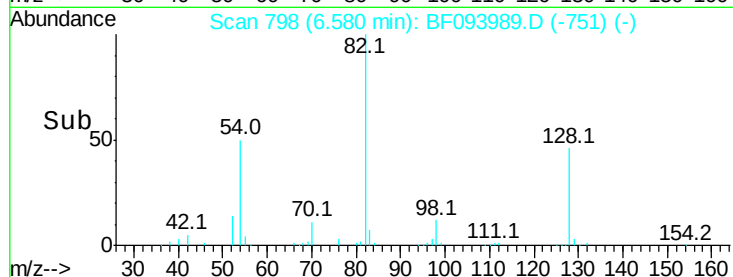
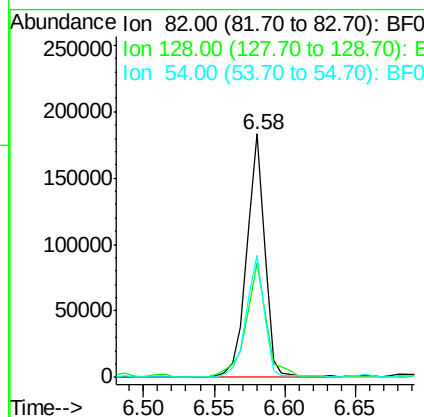
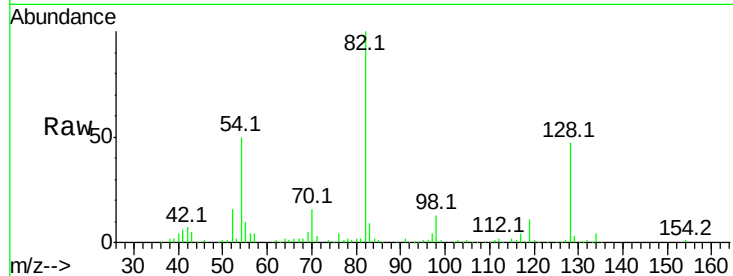
#23
Nitrobenzene-d5
Concen: 14.14 ng
RT: 6.58 min Scan# 798
Delta R.T. -0.02 min
Lab File: BF093989.D
Acq: 28 Mar 2017 12:59

Instrument :
BNA_F
ClientSampled :
TS-01DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.0	51.0
54	50.2	42.2	63.2

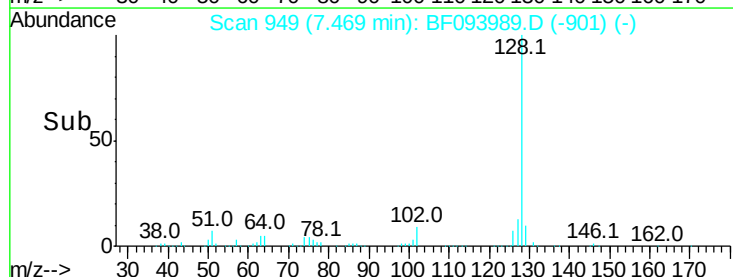
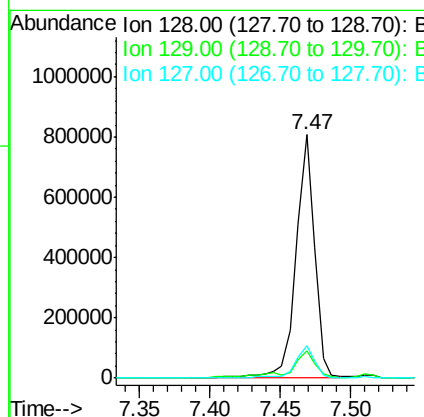
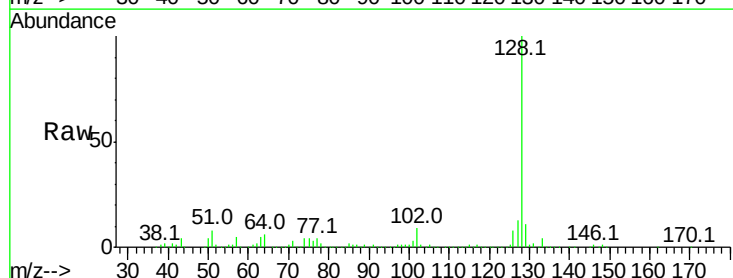
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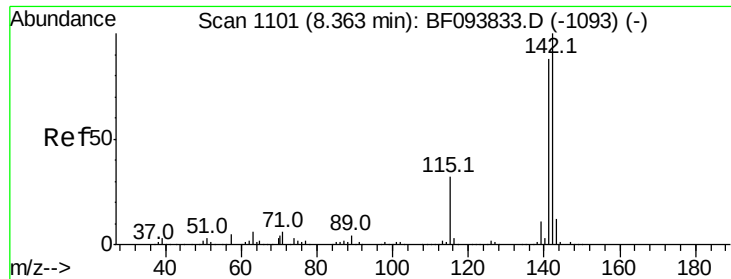
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#31
Naphthalene
Concen: 23.61 ng
RT: 7.47 min Scan# 949
Delta R.T. -0.02 min
Lab File: BF093989.D
Acq: 28 Mar 2017 12:59

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.3	10.8	16.2





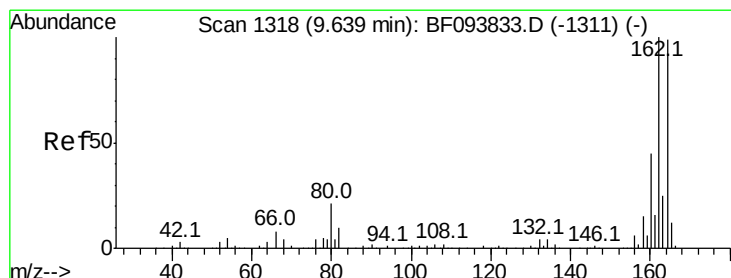
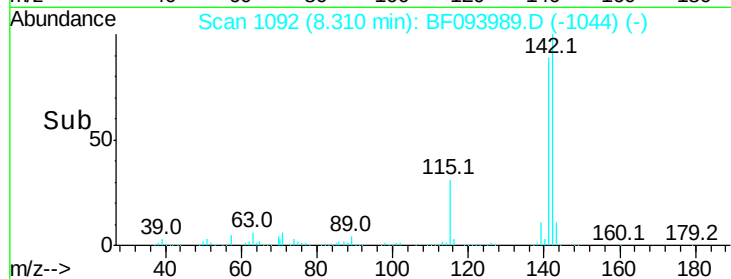
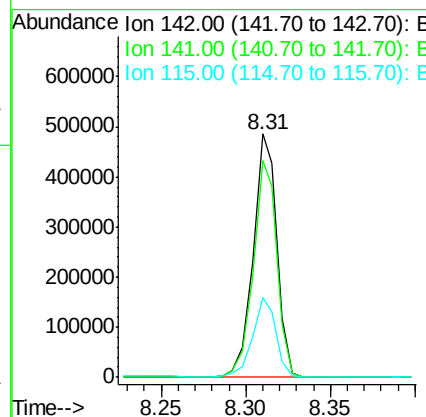
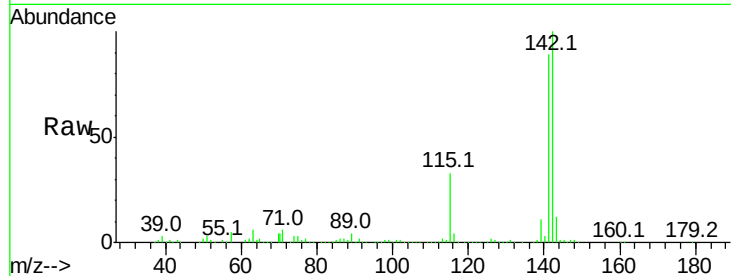
#37
2-Methylnaphthalene
Concen: 22.82 ng
RT: 8.31 min Scan# 1092
Delta R.T. -0.02 min
Lab File: BF093989.D
Acq: 28 Mar 2017 12:59

Instrument :
BNA_F
ClientSampleId :
TS-01DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.3	106.9
115	32.5	27.1	40.7

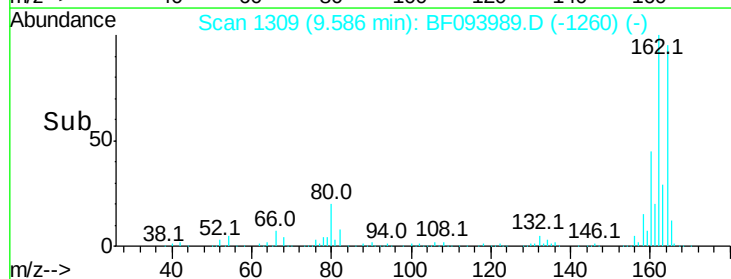
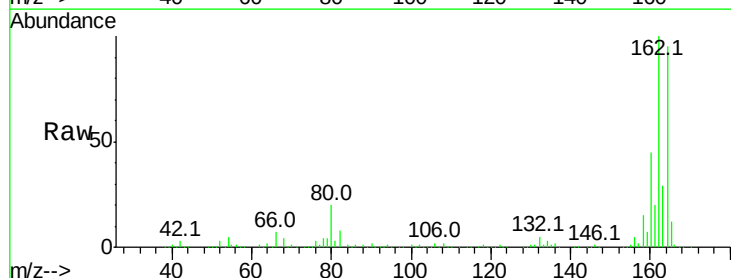
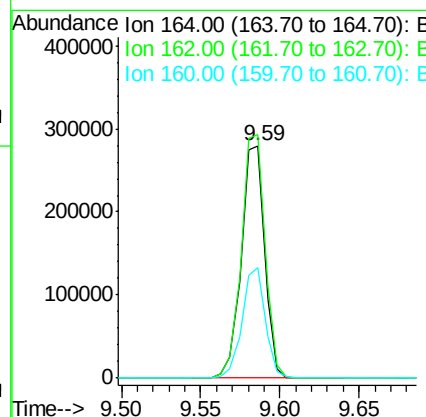
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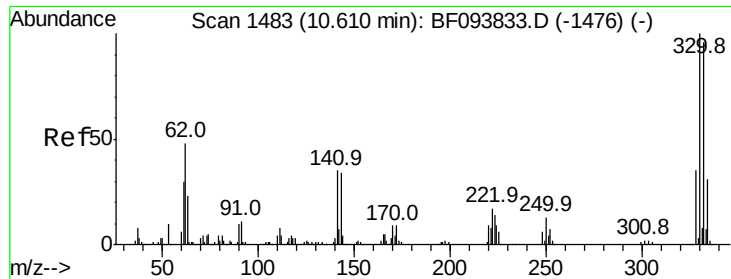
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF093989.D
Acq: 28 Mar 2017 12:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	47.5	36.2	54.2





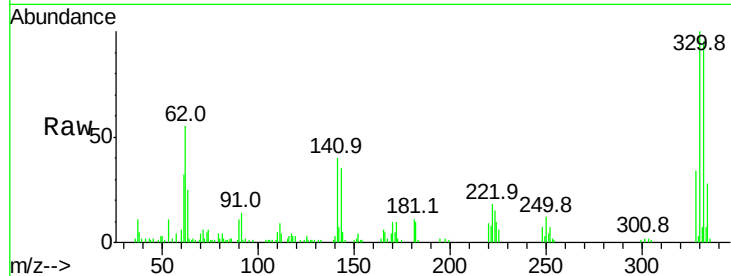
#41
 2,4,6-Tribromophenol
 Concen: 21.76 ng
 RT: 10.55 min Scan# 1473
 Delta R.T. -0.02 min
 Lab File: BF093989.D
 Acq: 28 Mar 2017 12:59

Instrument :
 BNA_F
 ClientSampled :
 TS-01DL

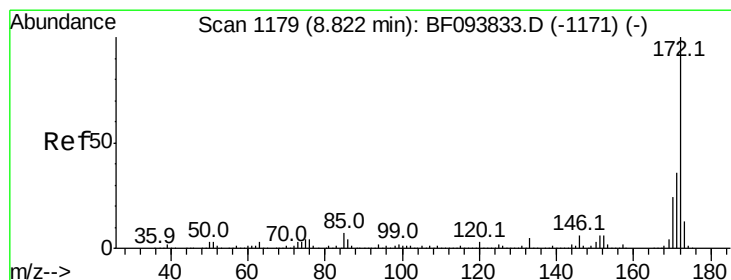
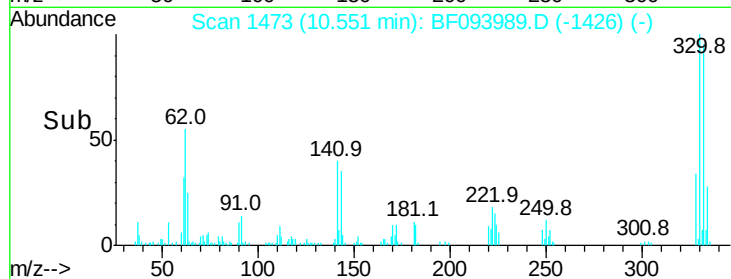
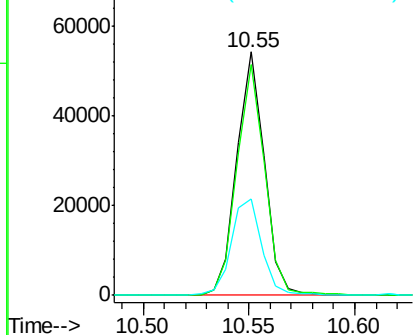
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	43.6	31.4	47.2

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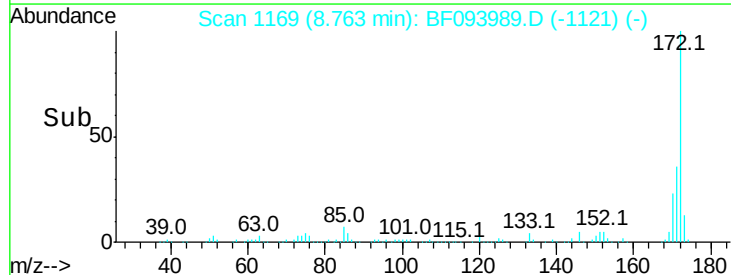
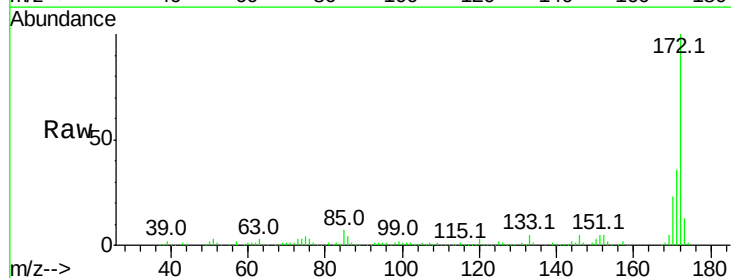
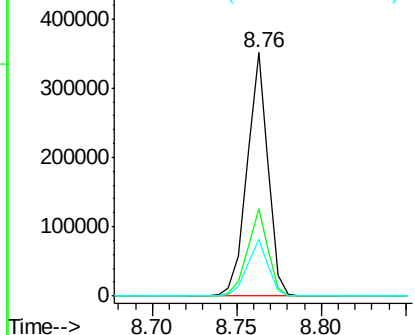
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

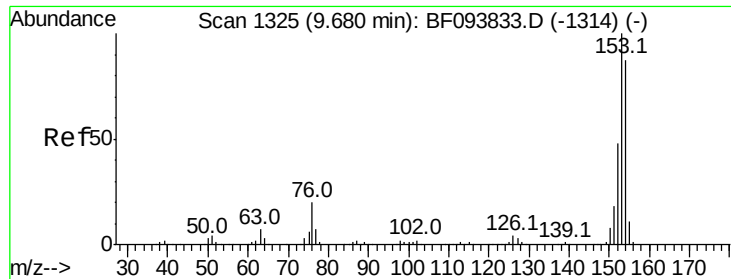


#44
 2-Fluorobiphenyl
 Concen: 16.17 ng
 RT: 8.76 min Scan# 1169
 Delta R.T. -0.02 min
 Lab File: BF093989.D
 Acq: 28 Mar 2017 12:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.6	44.4
170	23.3	19.8	29.8

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 2.27 ng

RT: 9.62 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF093989.D

Acq: 28 Mar 2017 12:59

Instrument :

BNA_F

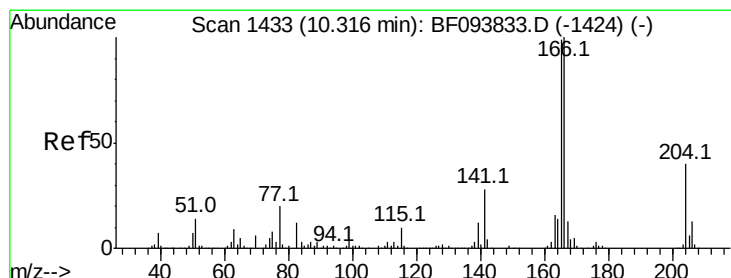
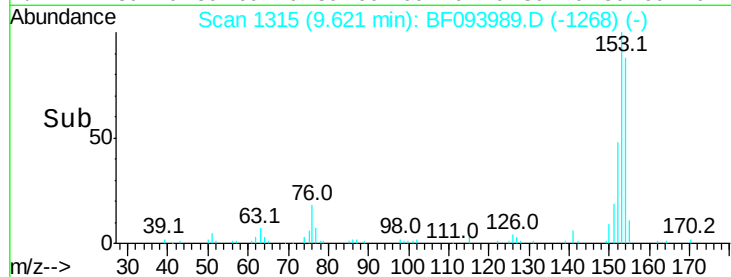
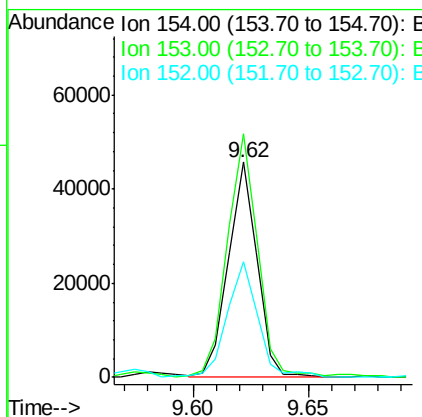
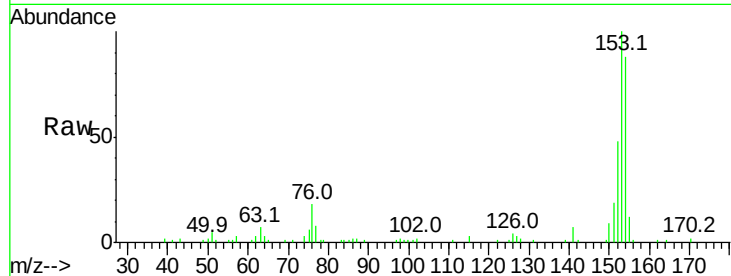
ClientSampleId :

TS-01DL

Tot Ion:	154	Resp:	39744
Ion Ratio	Lower	Upper	
154	100		
153	113.3	90.5	135.7
152	53.9	43.6	65.4

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#57

Fluorene

Concen: 2.30 ng

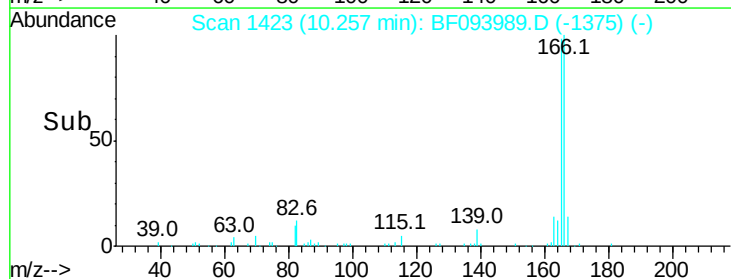
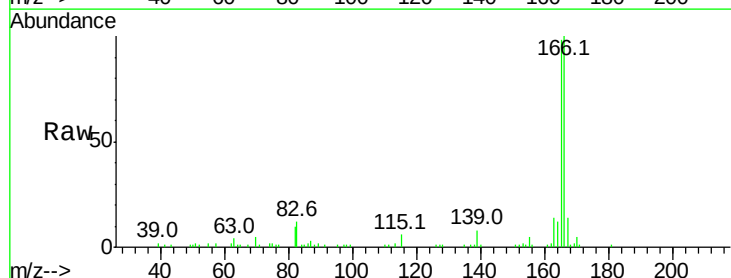
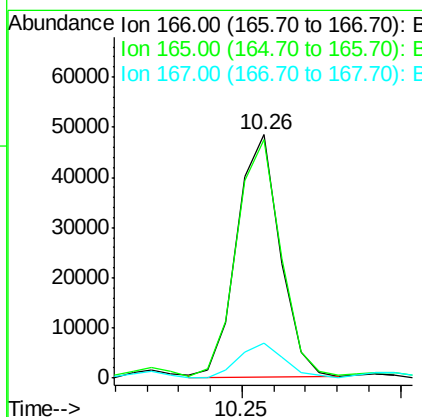
RT: 10.26 min Scan# 1423

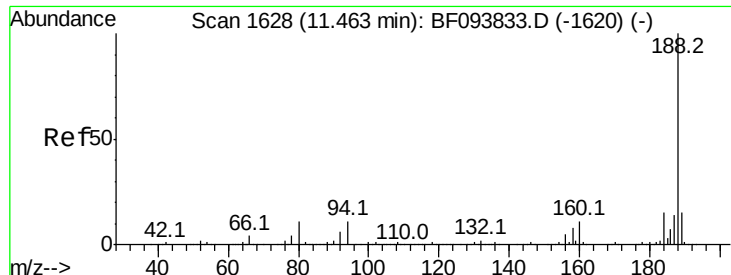
Delta R.T. -0.02 min

Lab File: BF093989.D

Acq: 28 Mar 2017 12:59

Tgt Ion:	166	Resp:	45518
Ion Ratio	Lower	Upper	
166	100		
165	97.7	78.8	118.2
167	14.3	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.41 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BF093989.D

Acq: 28 Mar 2017 12:59

Instrument :

BNA_F

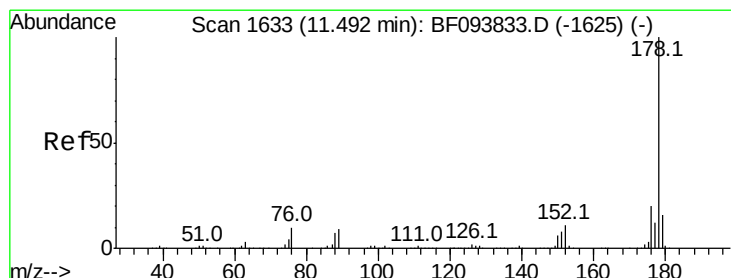
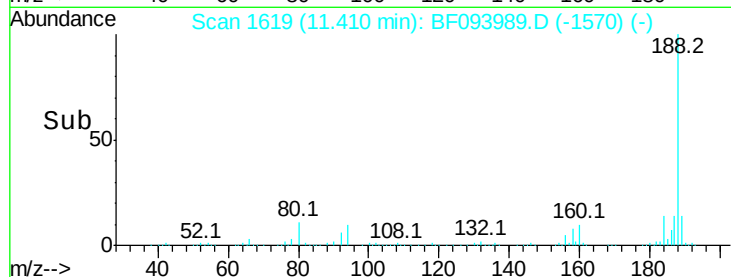
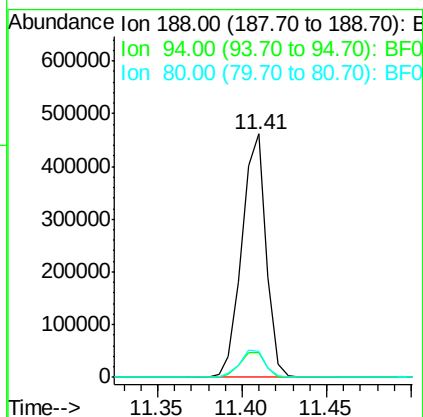
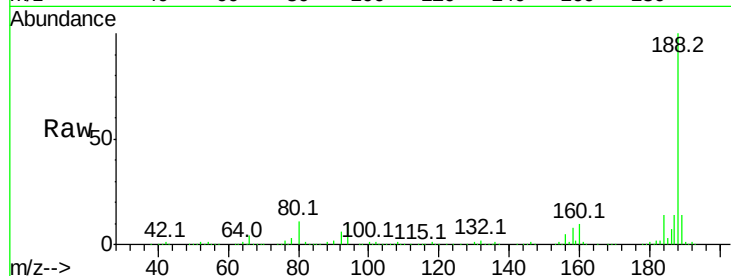
ClientSampleId :

TS-01DL

Tot Ion:	188	Resp:	463795
Ion Ratio	Lower	Upper	
188	100		
94	10.3	9.4	14.2
80	10.8	10.2	15.2

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#70

Phenanthrene

Concen: 6.17 ng

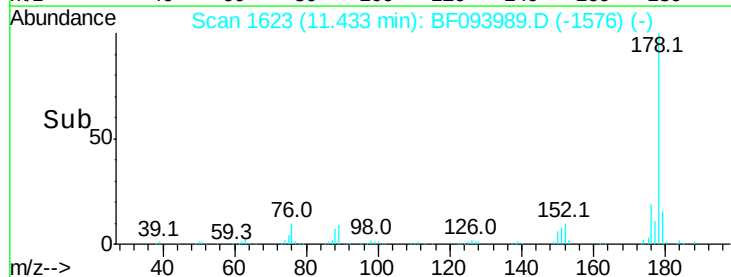
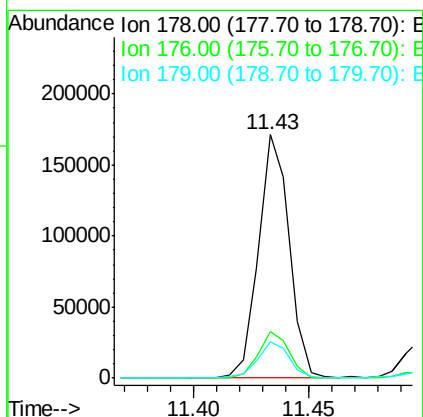
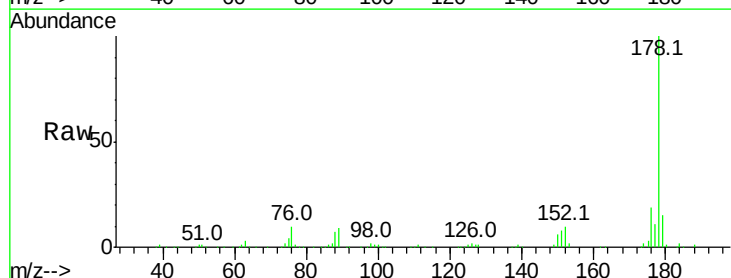
RT: 11.43 min Scan# 1623

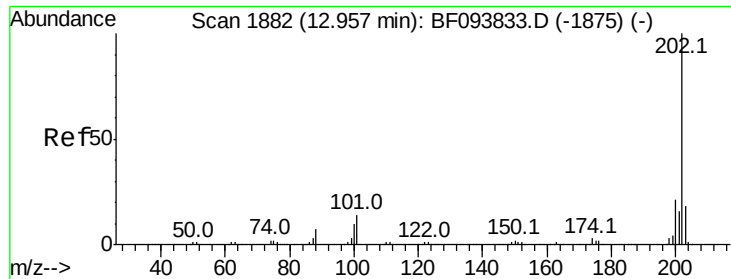
Delta R.T. -0.02 min

Lab File: BF093989.D

Acq: 28 Mar 2017 12:59

Tgt Ion:	178	Resp:	159277
Ion Ratio	Lower	Upper	
178	100		
176	19.4	16.2	24.4
179	15.1	12.6	19.0





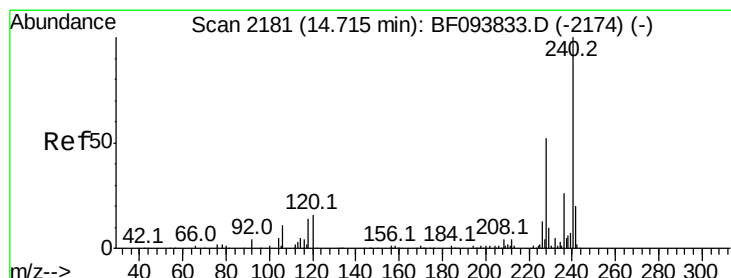
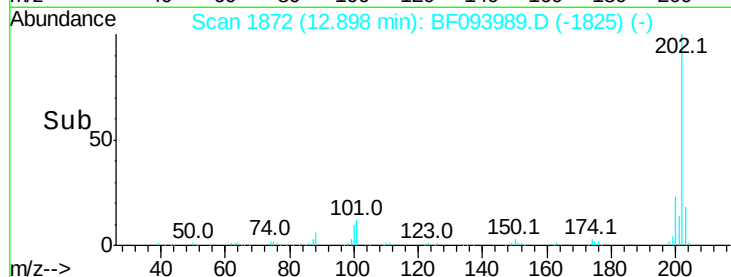
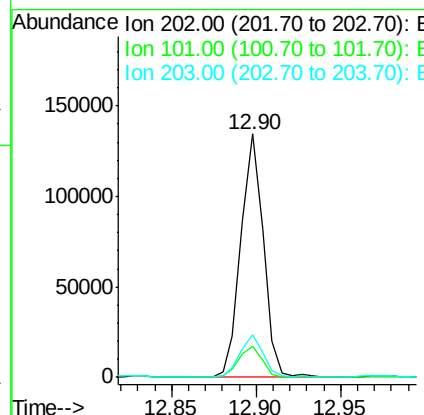
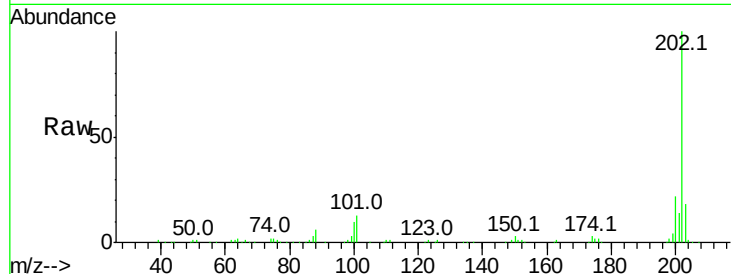
#74
Fluoranthene
 Concen: 4.75 ng
 RT: 12.90 min Scan# 1872
 Delta R.T. -0.02 min
 Lab File: BF093989.D
 Acq: 28 Mar 2017 12:59

Instrument :
 BNA_F
 ClientSampleId :
 TS-01DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.7	0.0	33.2
203	17.5	0.0	38.1

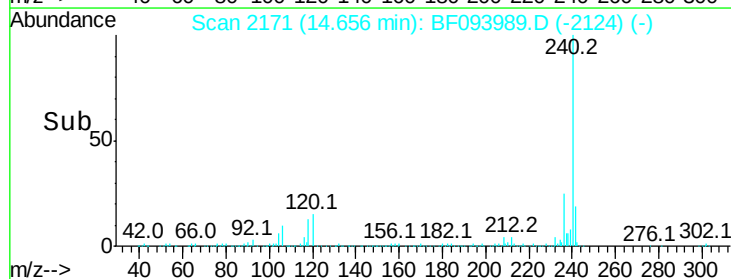
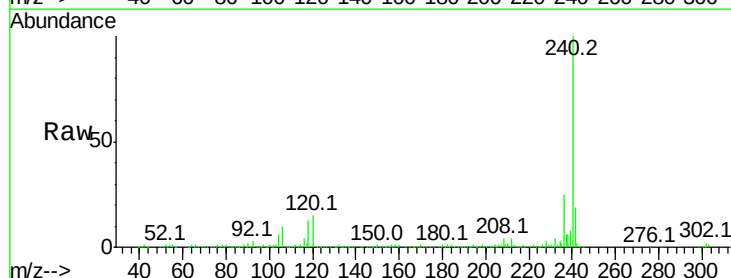
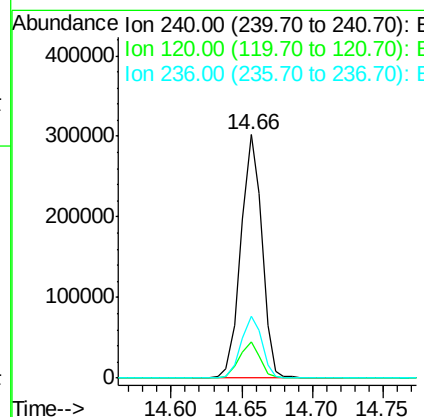
Manual Integrations
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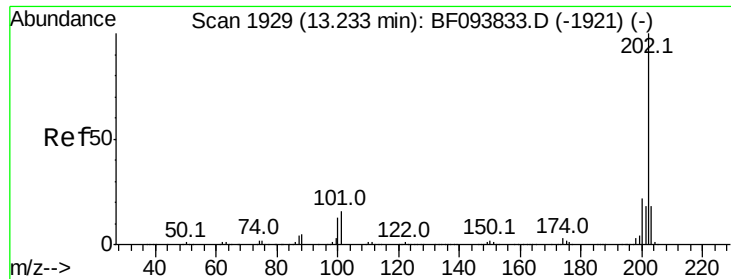
mohammad
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#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 14.66 min Scan# 2171
 Delta R.T. -0.02 min
 Lab File: BF093989.D
 Acq: 28 Mar 2017 12:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.1	5.8	8.8#
236	25.4	20.5	30.7





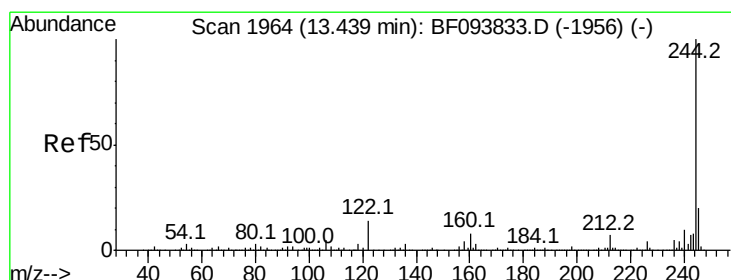
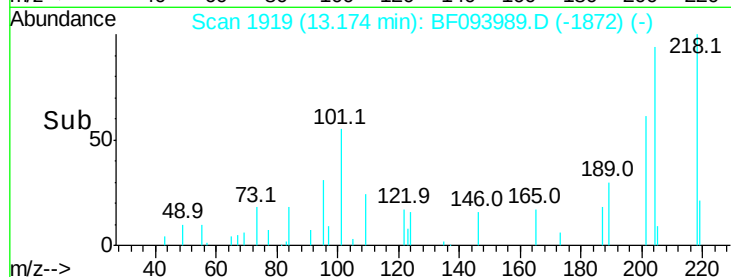
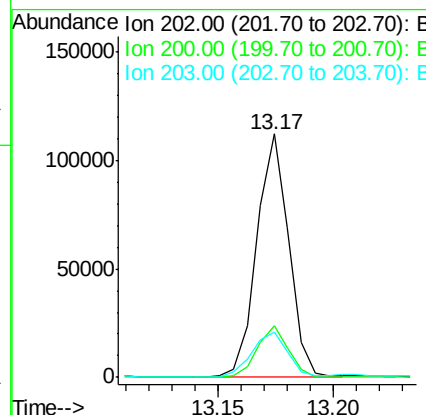
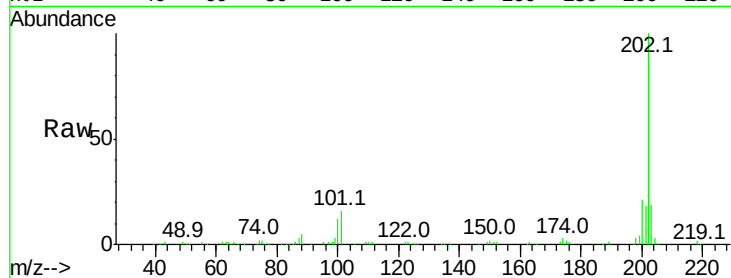
#77
Pvrene
Concen: 4.79 ng
RT: 13.17 min Scan# 1919
Delta R.T. -0.02 min
Lab File: BF093989.D
Acq: 28 Mar 2017 12:59

Instrument :
BNA_F
ClientSampleId :
TS-01DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.6	26.4
203	18.8	14.4	21.6

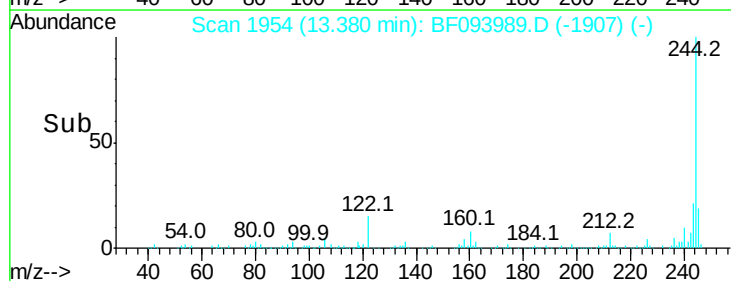
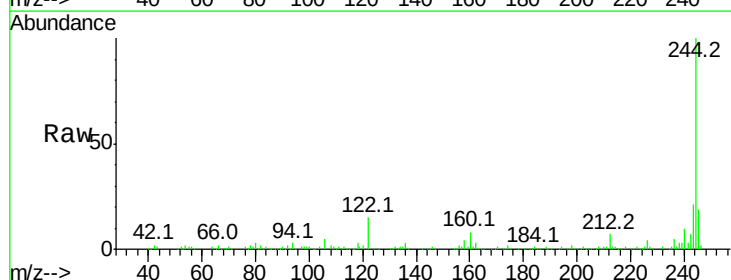
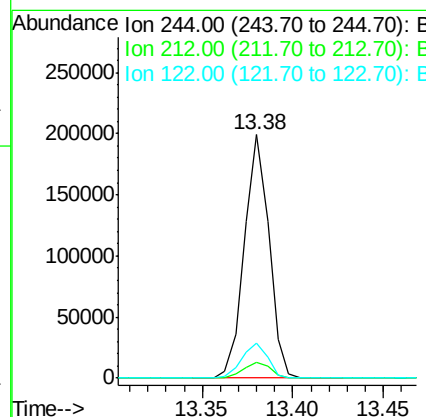
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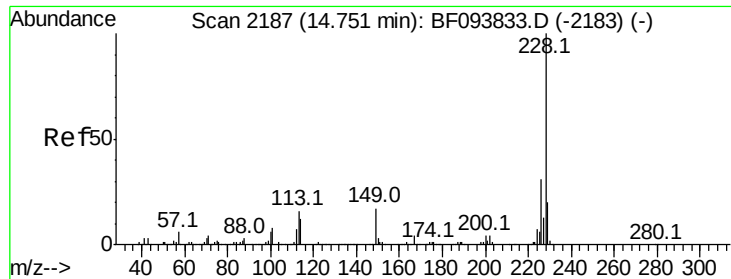
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#78
Terphenyl-d14
Concen: 13.45 ng
RT: 13.38 min Scan# 1954
Delta R.T. -0.02 min
Lab File: BF093989.D
Acq: 28 Mar 2017 12:59

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	6.0	9.0
122	14.5	10.3	15.5





#82

Chrysene

Concen: 2.31 ng

RT: 14.69 min Scan# 2176

Delta R.T. -0.03 min

Lab File: BF093989.D

Acq: 28 Mar 2017 12:59

Instrument :

BNA_F

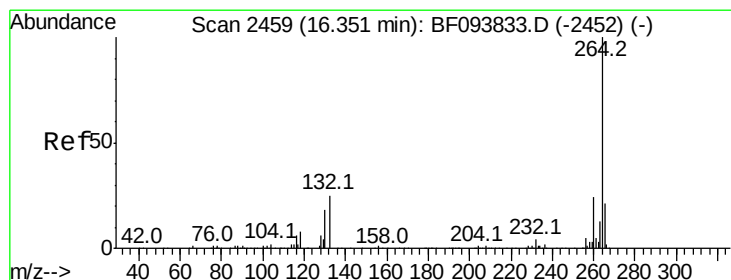
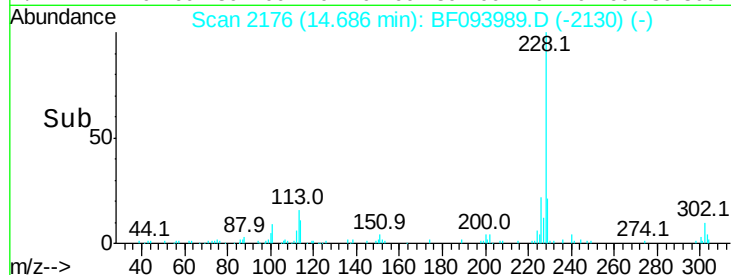
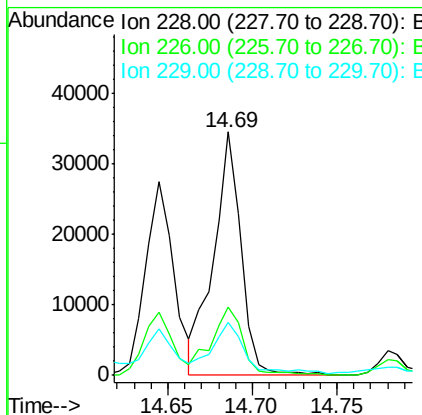
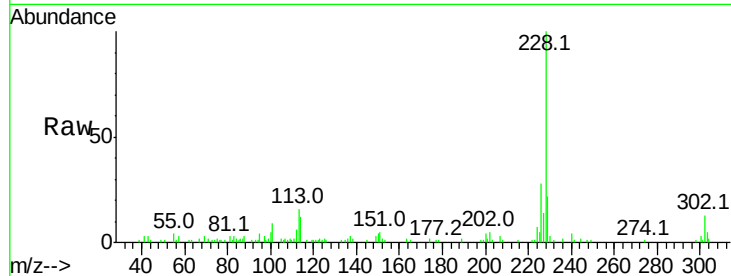
ClientSampleId :

TS-01DL

Tot Ion:	228	Resp:	39373
Ion Ratio	Lower	Upper	
228	100		
226	27.8	24.9	37.3
229	21.5	15.8	23.6

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#86

Perylene-d12

Concen: 20.00 ng

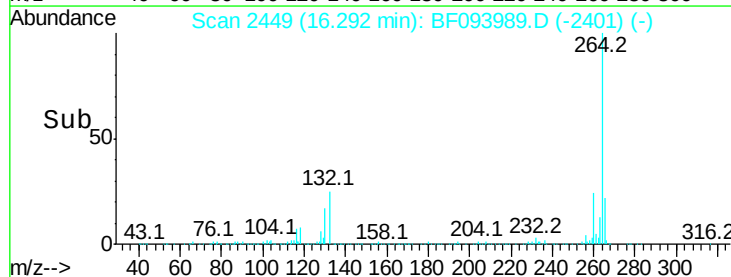
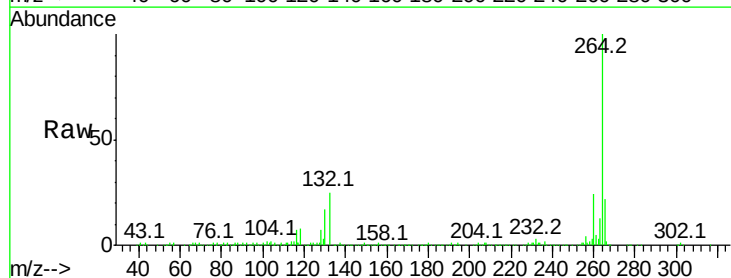
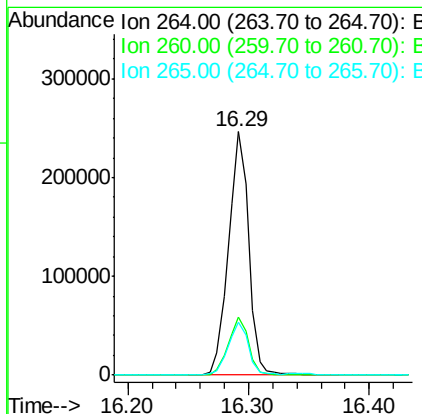
RT: 16.29 min Scan# 2449

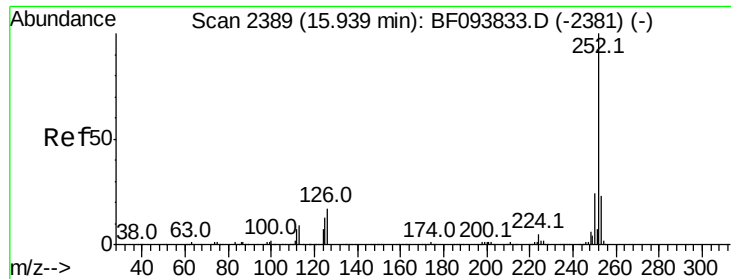
Delta R.T. -0.02 min

Lab File: BF093989.D

Acq: 28 Mar 2017 12:59

Tgt Ion:	264	Resp:	286855
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.5	29.3
265	21.9	17.2	25.8





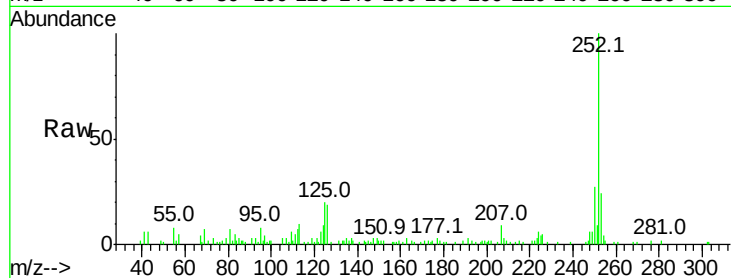
#87
 Benzo(b)fluoranthene
 Concen: 2.49 ng m
 RT: 15.88 min Scan# 2379
 Delta R.T. -0.02 min
 Lab File: BF093989.D
 Acq: 28 Mar 2017 12:59

Instrument :
 BNA_F
 ClientSampleId :
 TS-01DL

Tot Ion:	252	Resp:	43834
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.1	27.1
125	20.3	9.8	14.8#

Manual Integrations
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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

