

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093970.D
 Acq On : 28 Mar 2017 4:16
 Operator : SJ/MA
 Sample : I2413-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-01

Manual Integrations
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Quant Time: Mar 28 06:54:40 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	5.95	152	180757	20.00	ng	0.00
21) Naphthalene-d8	7.45	136	649772	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	328322	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	550572	20.00	ng	-0.01
75) Chrysene-d12	14.66	240	361955	20.00	ng	-0.02
86) Perylene-d12	16.30	264	322280	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.49	112	344526	32.19	ng	0.01
7) Phenol-d6	5.55	99	1268977	95.85	ng	0.00
23) Nitrobenzene-d5	6.60	82	691936	60.77	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	240124	92.55	ng	-0.02
44) 2-Fluorobiphenyl	8.77	172	1311452	60.93	ng	-0.01
78) Terphenyl-d14	13.39	244	897867	55.60	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	7.48	128	2622580	83.94	ng	98
37) 2-Methylnaphthalene	8.32	142	1912926	91.85	ng	100
49) Dimethylphthalate	9.26	163	102398	4.39	ng	# 99
51) Acenaphthene	9.62	154	209806	10.44	ng	97
54) Dibenzofuran	9.83	168	173944	6.36	ng	98
57) Fluorene	10.26	166	235479	10.38	ng	98
70) Phenanthrene	11.44	178	794120	25.93	ng	98
71) Anthracene	11.50	178	123173	3.91	ng	97
74) Fluoranthene	12.90	202	653438	20.84	ng	98
77) Pyrene	13.18	202	572592	21.80	ng	99
80) Benzo(a)anthracene	14.65	228	164908	7.81	ng	98
82) Chrysene	14.69	228	193438	9.88	ng	97
85) Indeno(1,2,3-cd)pyrene	17.66	276	96267	5.67	ng	95
87) Benzo(b)fluoranthene	15.89	252	228318m	11.56	ng	
88) Benzo(k)fluoranthene	15.91	252	61676m	3.19	ng	
89) Benzo(a)pyrene	16.23	252	141616	7.78	ng	# 94
91) Benzo(a,h,i)perylene	18.07	276	95968	6.18	ng	96

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

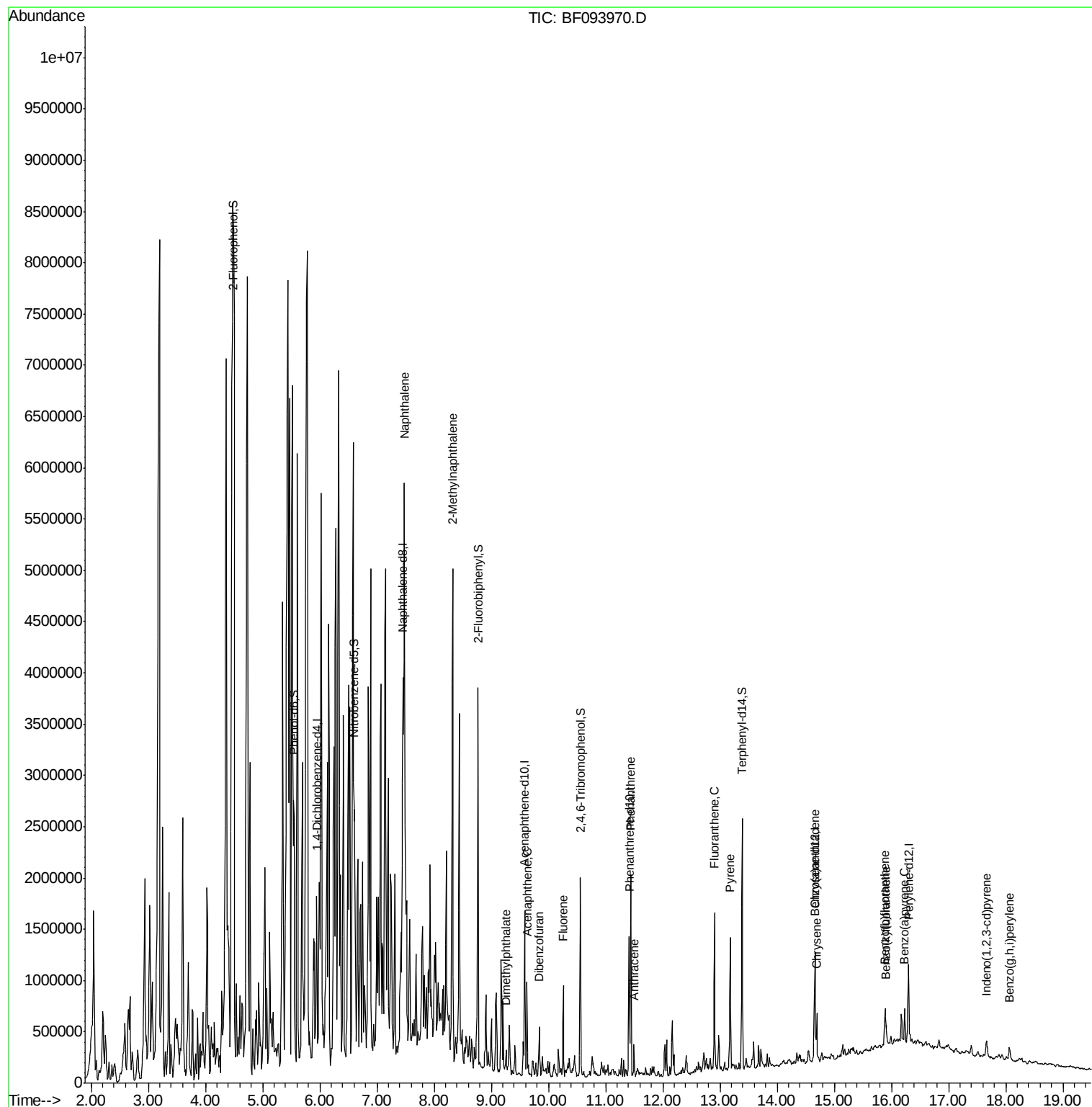
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
Data File : BF093970.D
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ALS Vial : 32 Sample Multiplier: 1

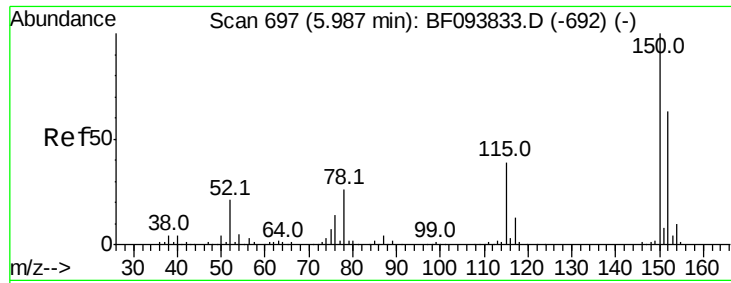
Instrument :
BNA_F
ClientSampled :
TS-01

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
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#1

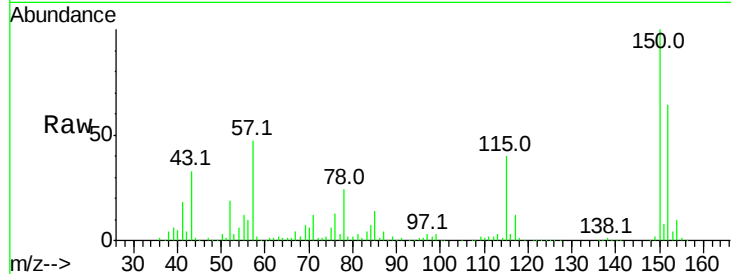
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.95 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_F
ClientSampleId :
TS-01

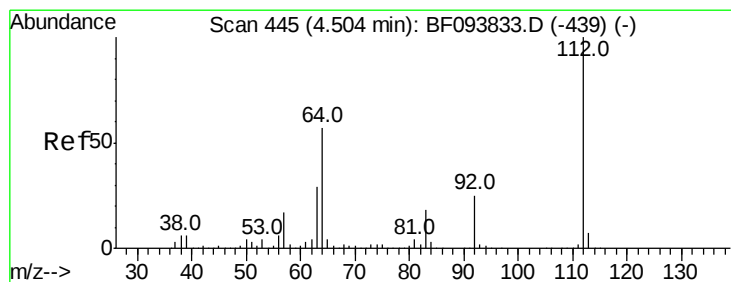
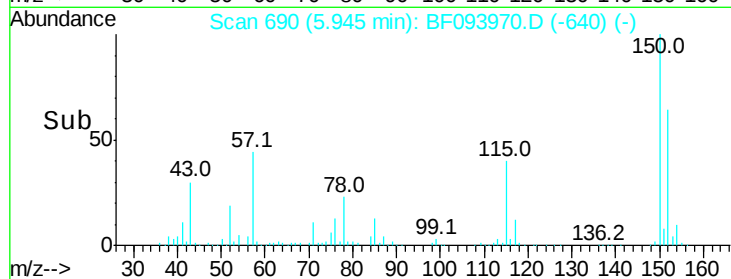
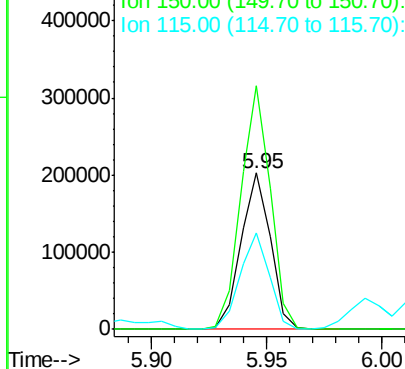
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.2	189.2
115	62.1	52.2	78.2

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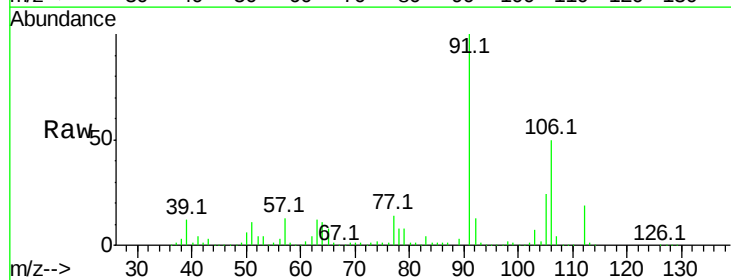
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



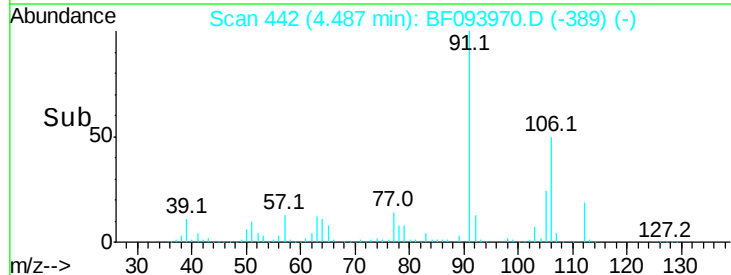
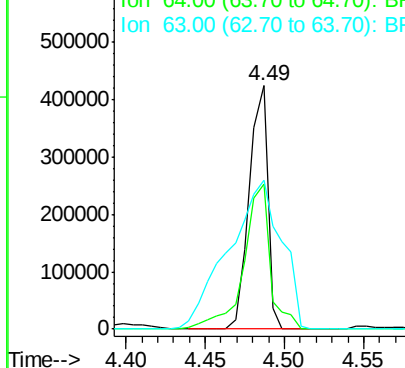
#5

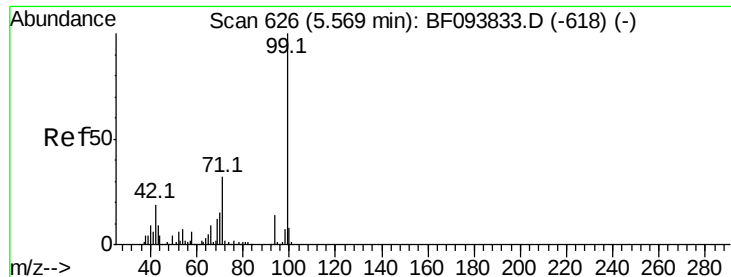
2-Fluorophenol
Concen: 32.19 ng
RT: 4.49 min Scan# 442
Delta R.T. 0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	46.0	69.0
63	61.4	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: 95.85 ng

RT: 5.55 min Scan# 622

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampleId :

TS-01

Tot Ion: 99 Resp: 1268977

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

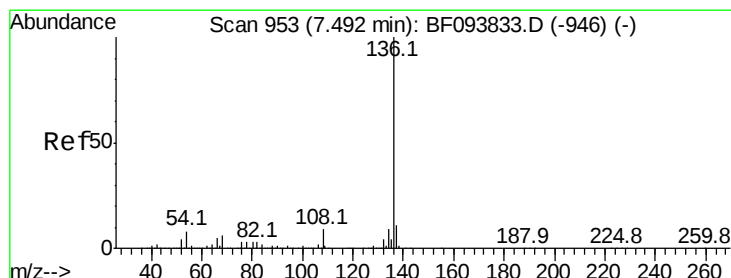
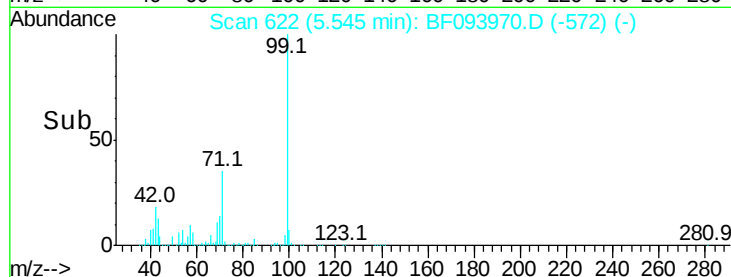
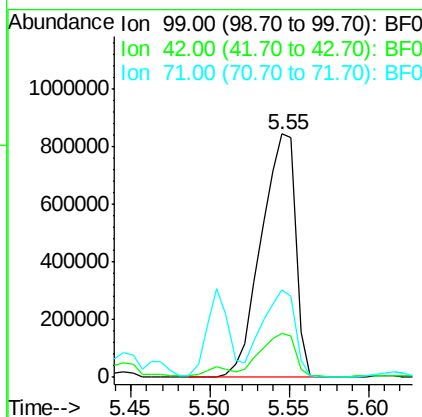
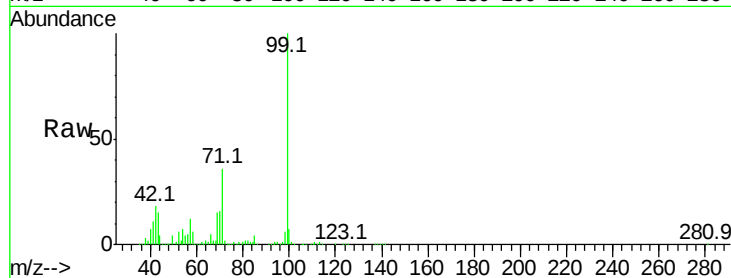
71 35.7 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.45 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Tgt Ion: 136 Resp: 649772

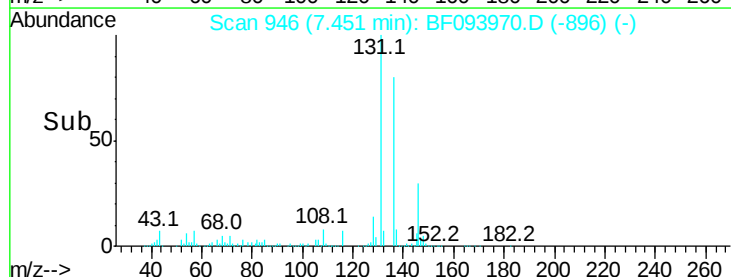
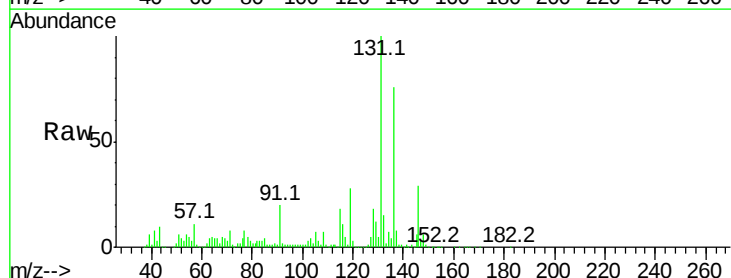
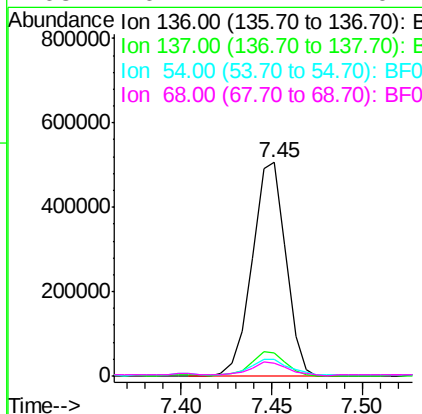
Ion Ratio Lower Upper

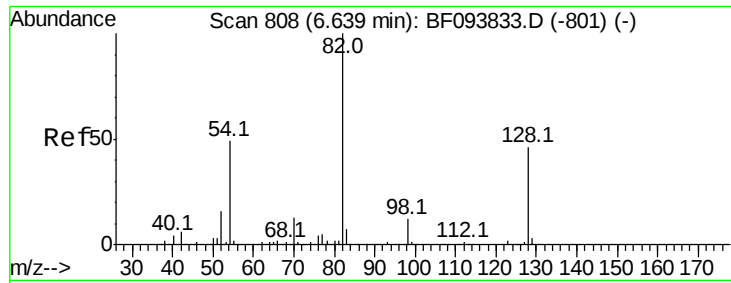
136 100

137 11.0 8.5 12.7

54 7.8 4.9 7.3#

68 6.2 4.1 6.1#





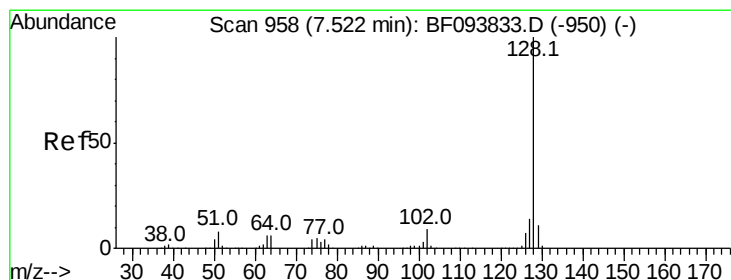
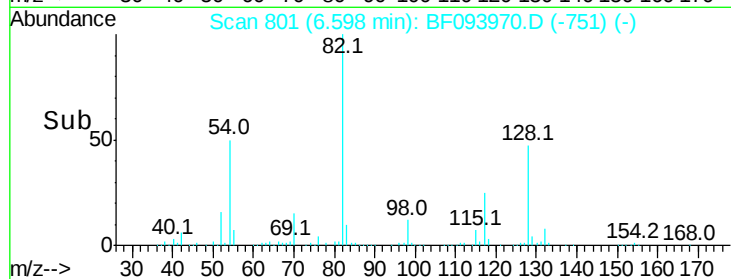
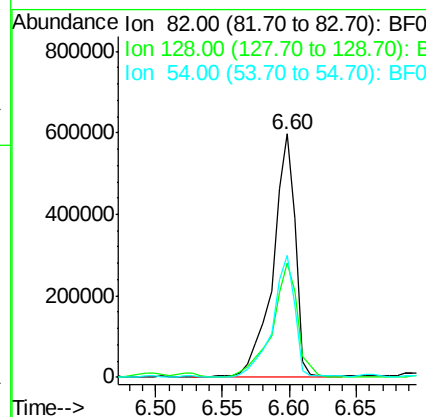
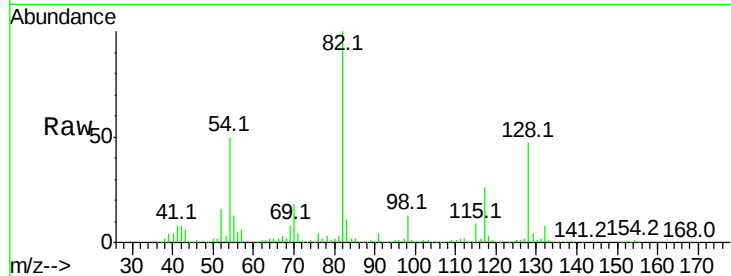
#23
 Nitrobenzene-d5
 Concen: 60.77 ng
 RT: 6.60 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Instrument :
 BNA_F
 ClientSampleID :
 TS-01

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	34.0	51.0
54	50.0	42.2	63.2

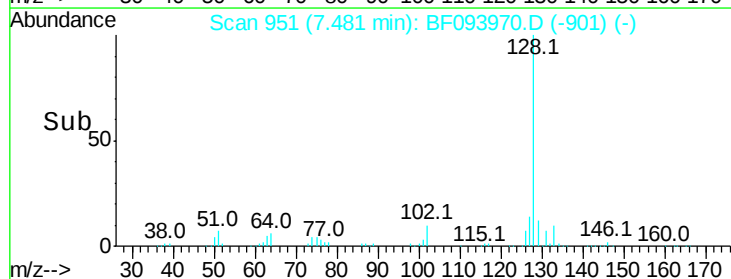
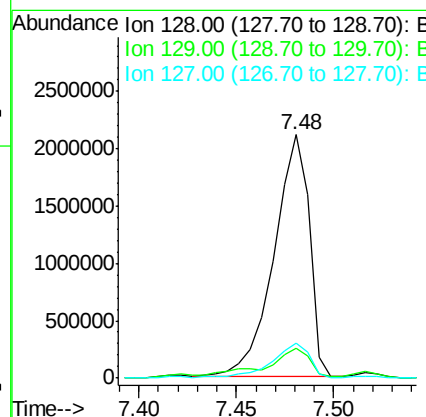
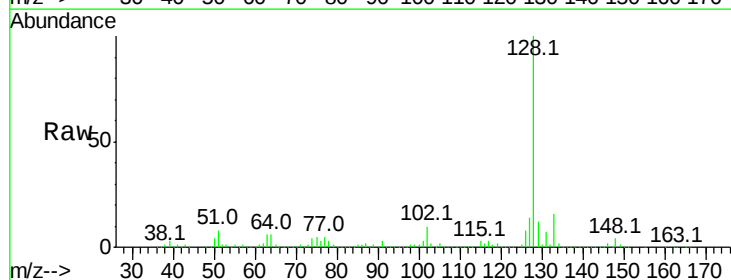
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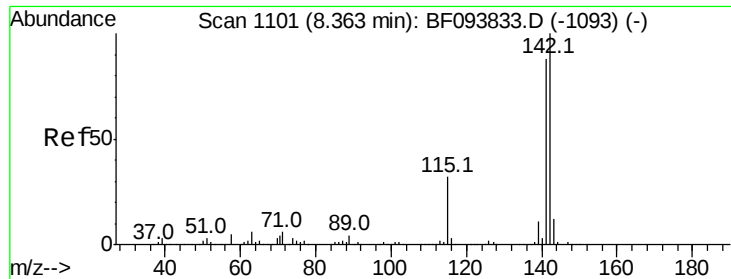
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#31
 Naphthalene
 Concen: 83.94 ng
 RT: 7.48 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.0	13.6
127	14.3	10.8	16.2





#37

2-Methylnaphthalene

Concen: 91.85 ng

RT: 8.32 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampleId :

TS-01

Tot Ion:142 Resp: 1912926

Ion Ratio Lower Upper

142 100

141 88.7 71.3 106.9

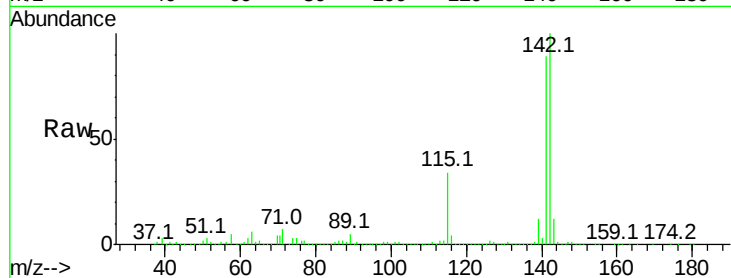
115 33.9 27.1 40.7

Manual Integrations

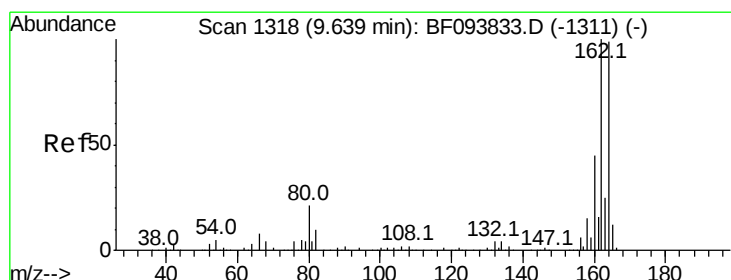
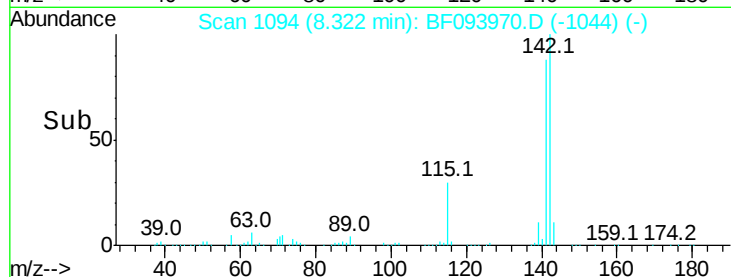
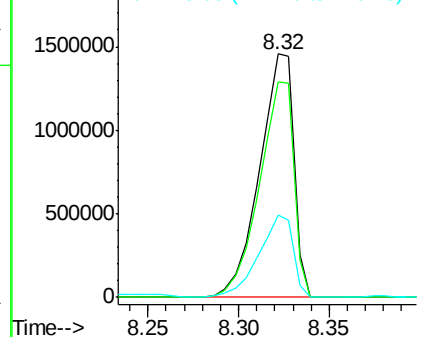
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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

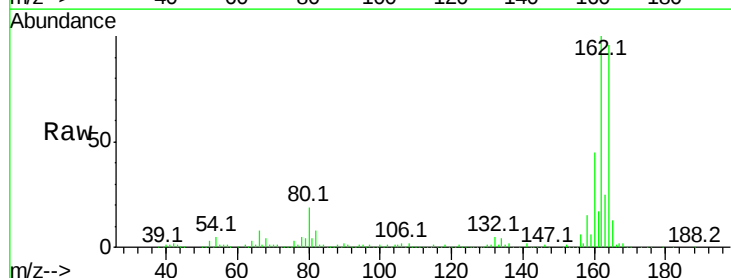
Tgt Ion:164 Resp: 328322

Ion Ratio Lower Upper

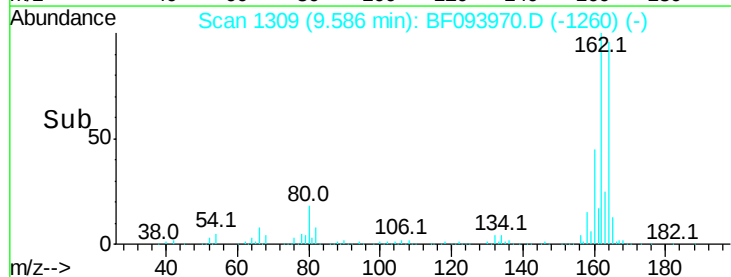
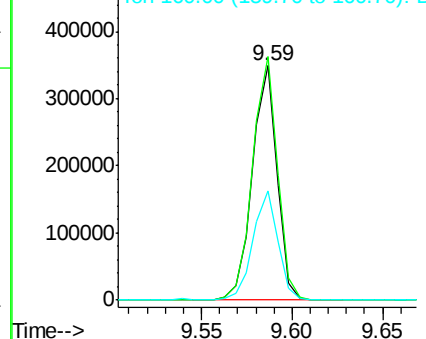
164 100

162 103.9 82.6 123.8

160 46.4 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





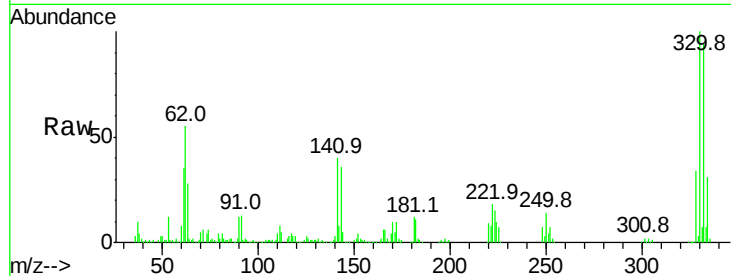
#41
 2,4,6-Tribromophenol
 Concen: 92.55 ng
 RT: 10.56 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Instrument :
 BNA_F
 ClientSampleId :
 TS-01

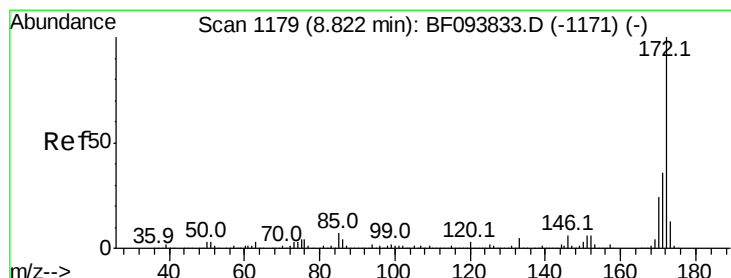
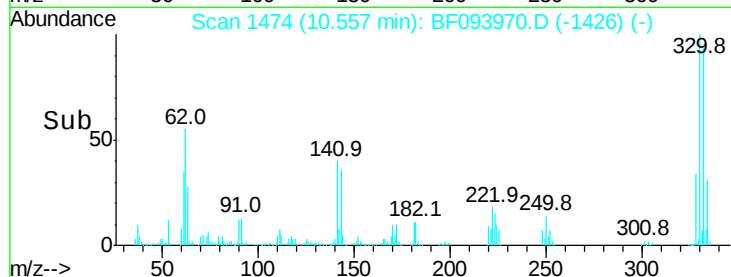
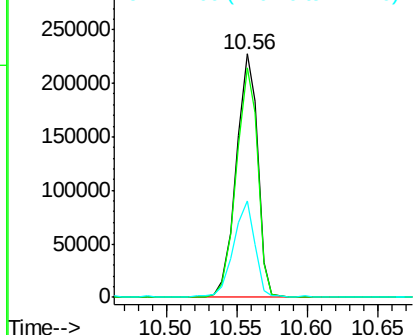
Tot Ion	Ratio	Resp	Lower	Upper
330	100	240124		
332	94.1	76.6	115.0	
141	39.0	31.4	47.2	

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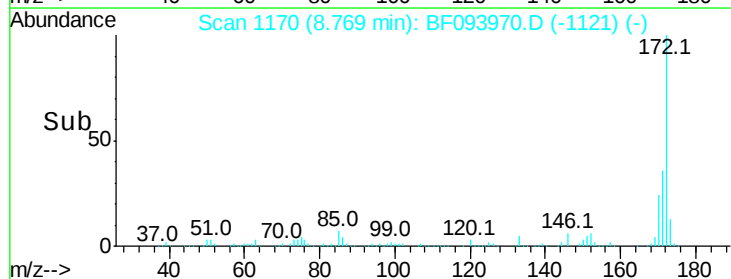
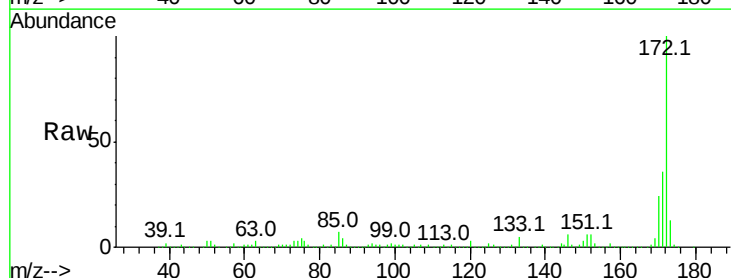
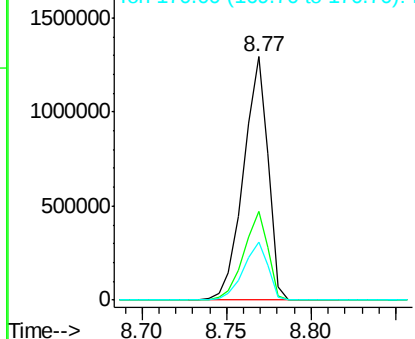
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

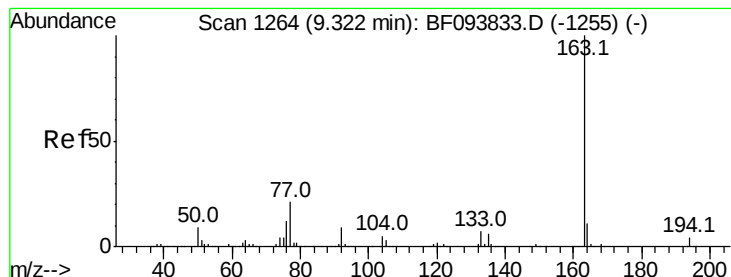


#44
 2-Fluorobiphenyl
 Concen: 60.93 ng
 RT: 8.77 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1311452		
171	36.2	29.6	44.4	
170	23.6	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





#49

Dimethylphthalate

Concen: 4.39 ng

RT: 9.26 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

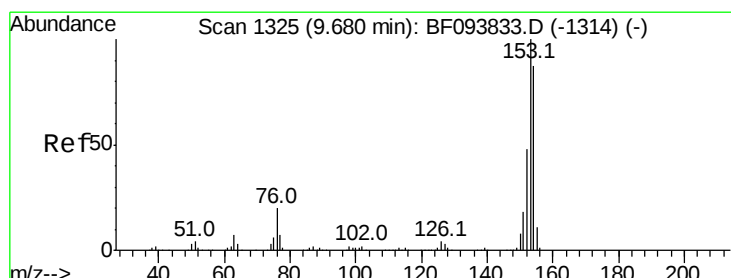
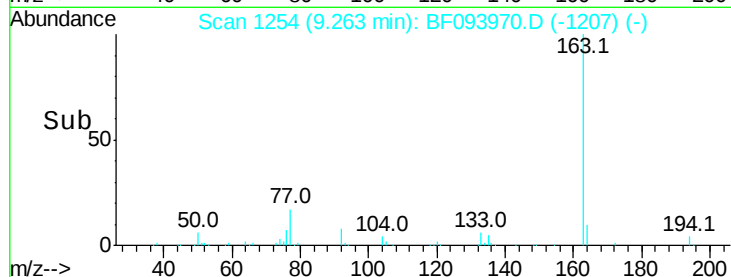
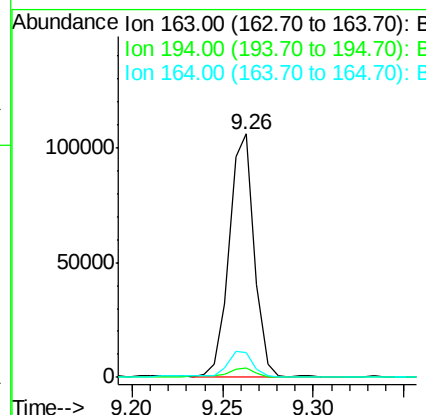
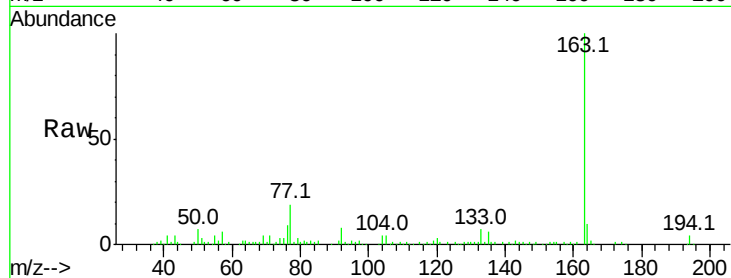
ClientSampleId :

TS-01

Tot Ion	Ratio	Resp	Lower	Upper
163	100	102398		
194	4.0	2.6	4.0#	
164	10.4	8.4	12.6	

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#51

Acenaphthene

Concen: 10.44 ng

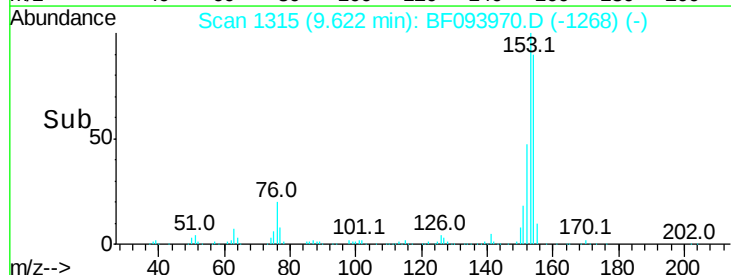
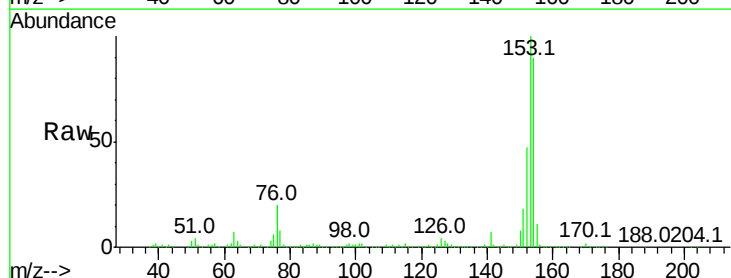
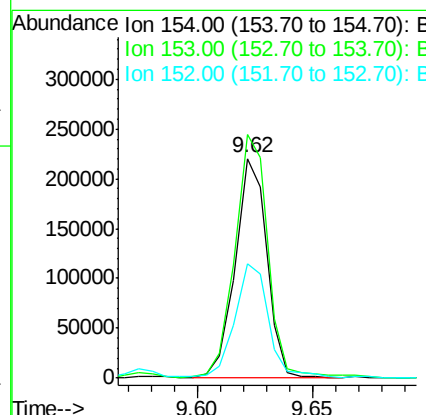
RT: 9.62 min Scan# 1315

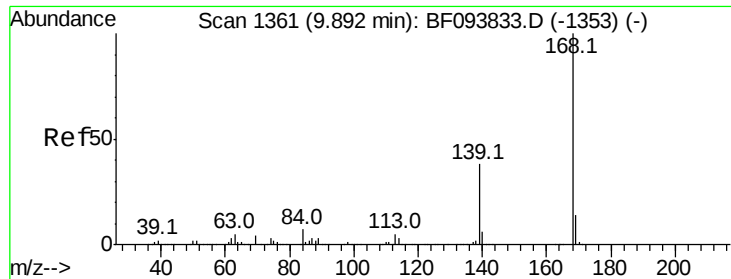
Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	209806		
153	110.9	90.5	135.7	
152	52.1	43.6	65.4	





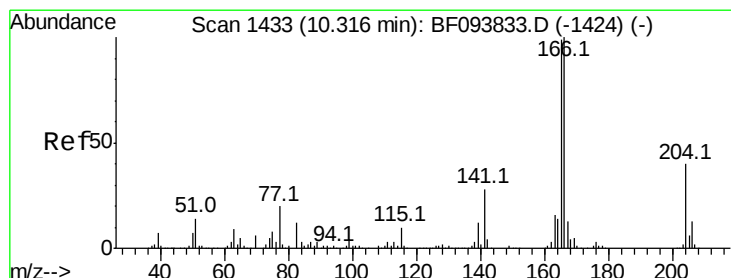
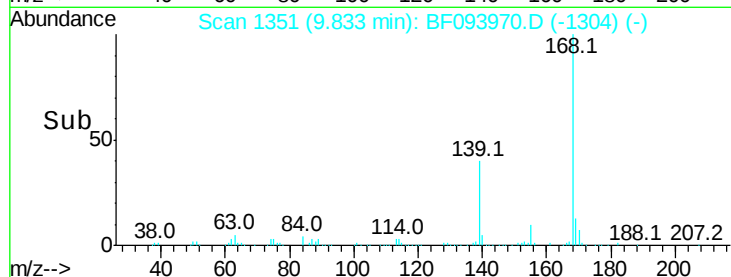
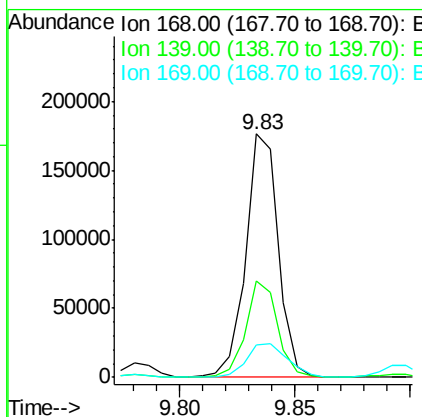
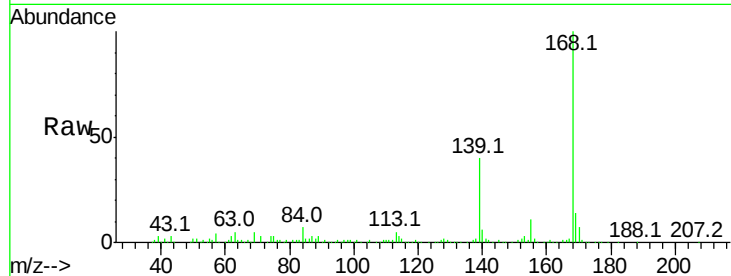
#54
Dibenzofuran
Concen: 6.36 ng
RT: 9.83 min Scan# 1351
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_F
ClientSampleId :
TS-01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	173944		
139	39.7		30.6	45.8
169	13.6		10.8	16.2

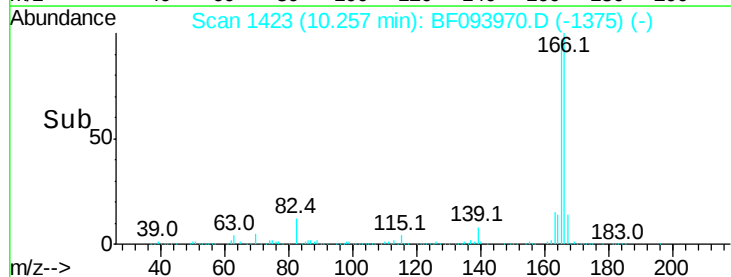
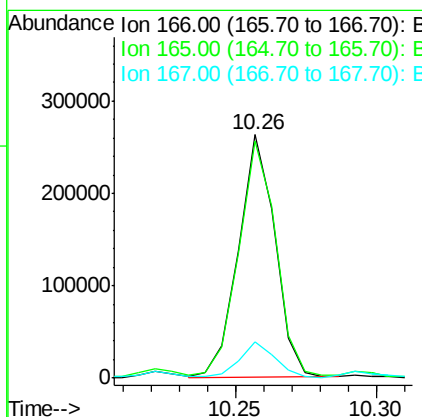
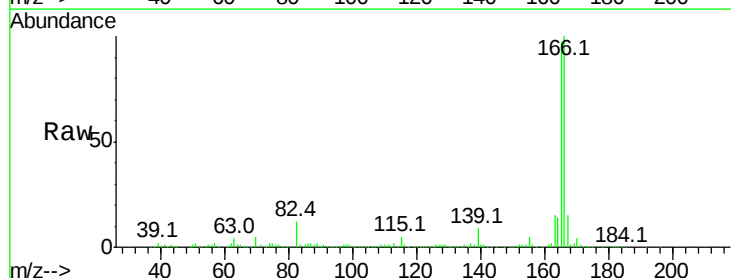
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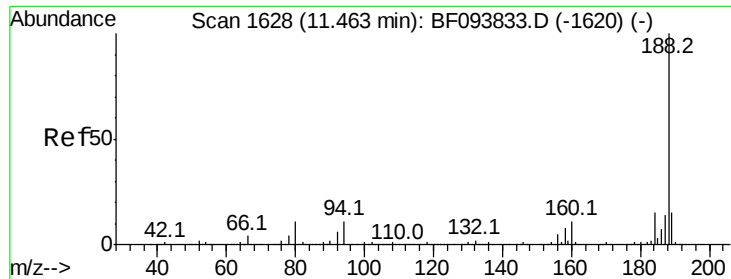
mohammad
3/28/2017 3:43:29 PM



#57
Fluorene
Concen: 10.38 ng
RT: 10.26 min Scan# 1423
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	235479		
165	97.2		78.8	118.2
167	14.7		10.6	16.0





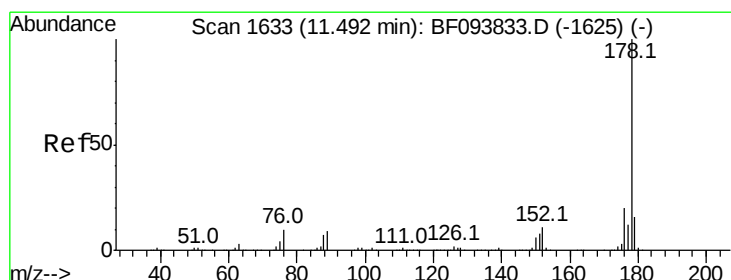
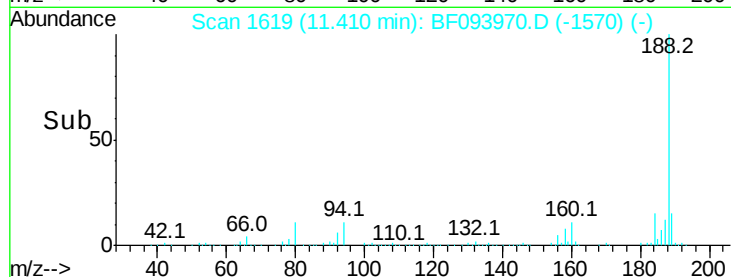
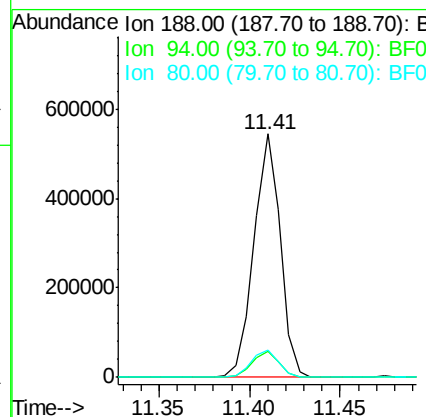
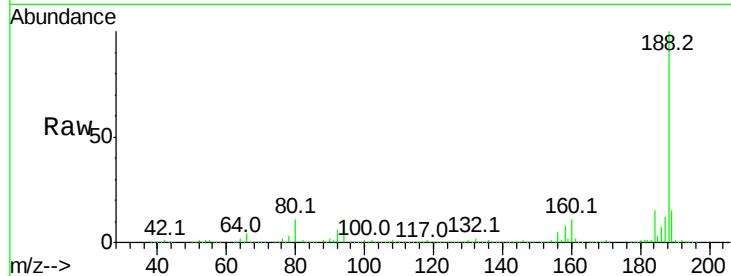
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.41 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_F
ClientSampled :
TS-01

Tot Ion	Ratio	Resp	Lower	Upper
188	100	550572		
94	10.8		9.4	14.2
80	11.2		10.2	15.2

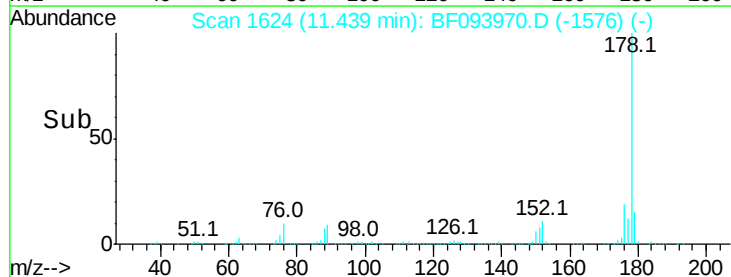
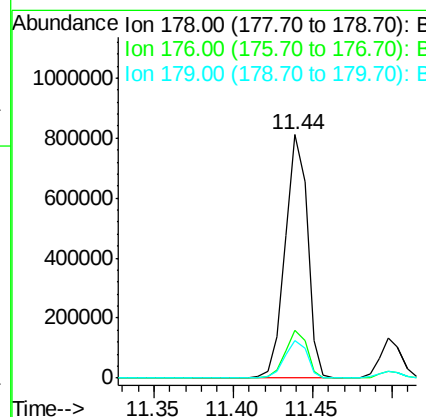
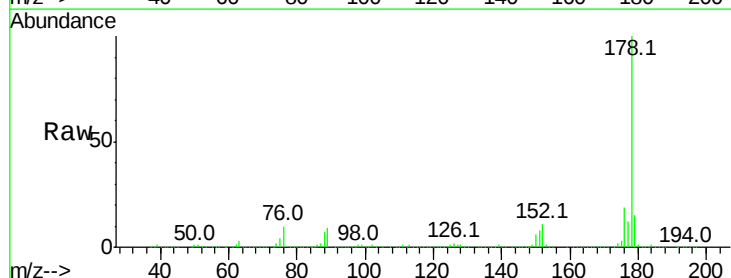
Manual Integrations
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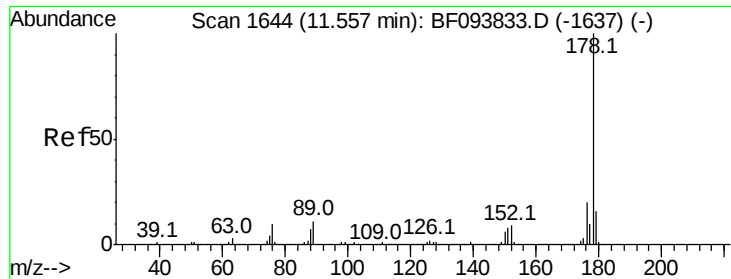
mohammad
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#70
Phenanthrene
Concen: 25.93 ng
RT: 11.44 min Scan# 1624
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	794120		
176	19.5		16.2	24.4
179	15.3		12.6	19.0





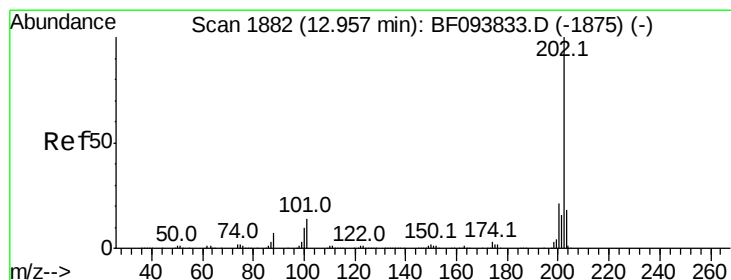
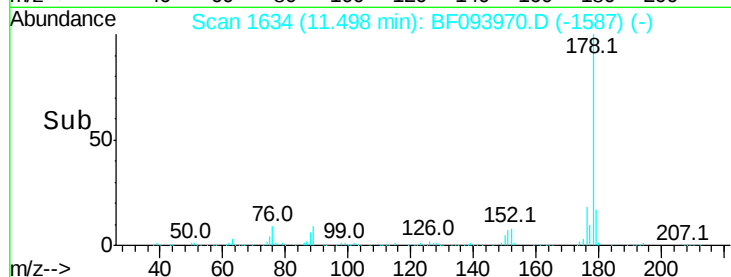
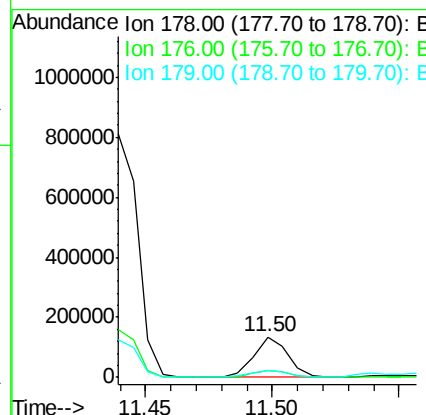
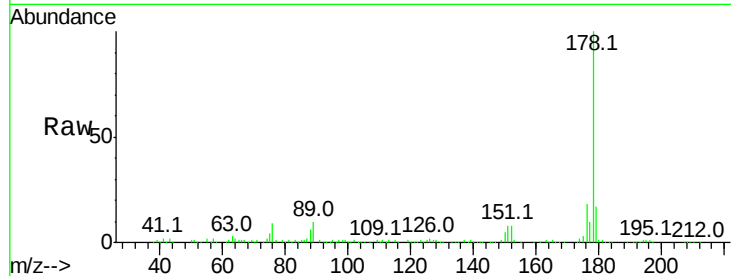
#71
 Anthracene
 Concen: 3.91 ng
 RT: 11.50 min Scan# 1634
 Delta R.T. -0.02 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Instrument :
 BNA_F
 ClientSampled :
 TS-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.8
179	16.8	12.7	19.1

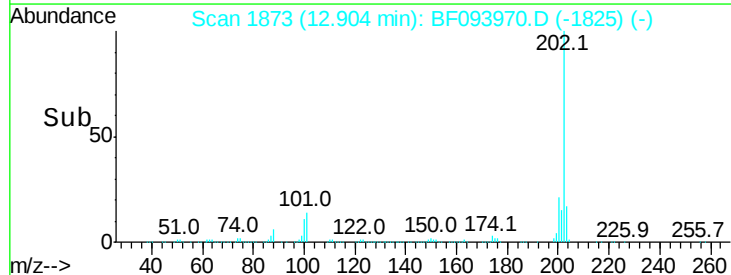
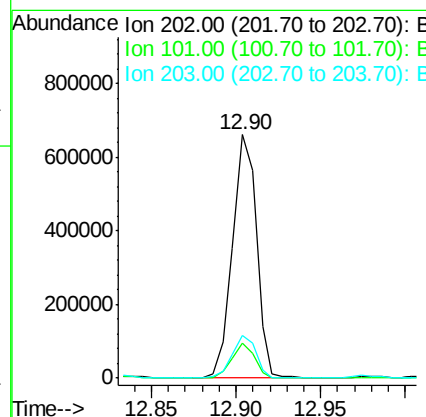
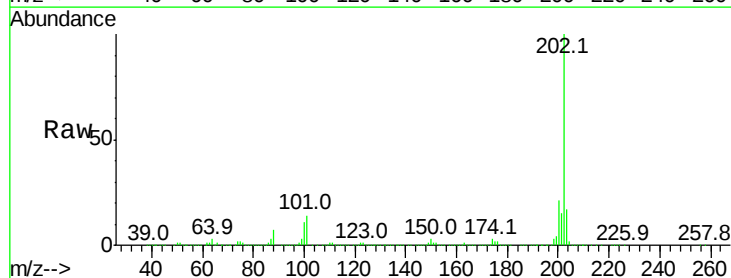
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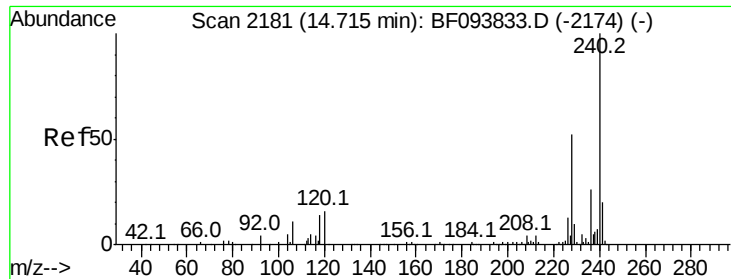
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#74
 Fluoranthene
 Concen: 20.84 ng
 RT: 12.90 min Scan# 1873
 Delta R.T. -0.02 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	33.2
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.66 min Scan# 2172

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

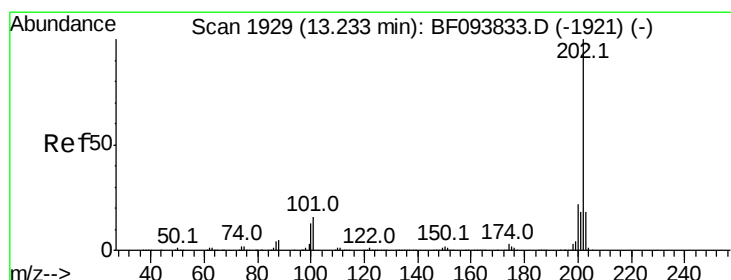
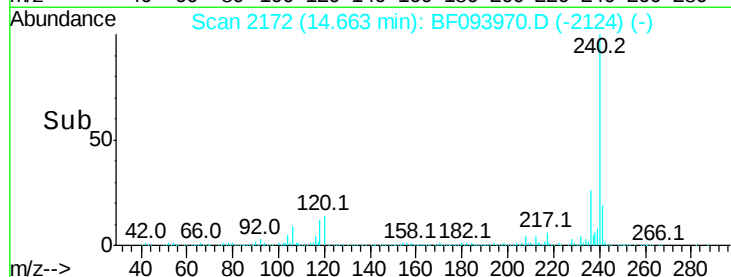
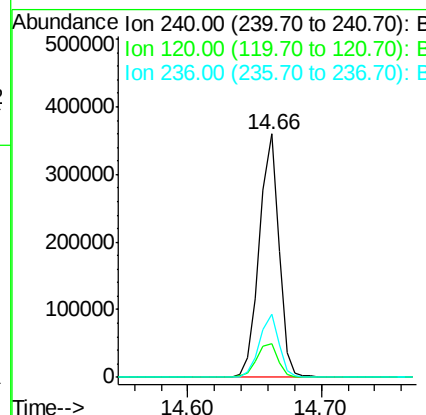
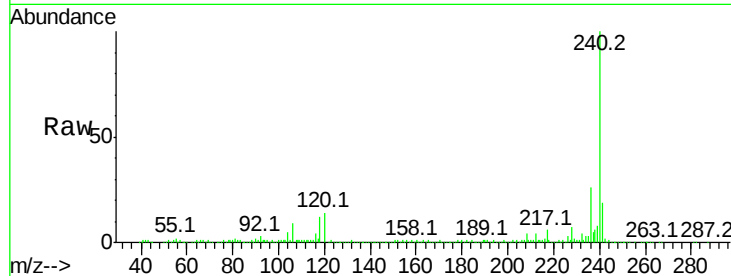
ClientSampleId :

TS-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	25.8	20.5	30.7

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#77

Pyrene

Concen: 21.80 ng

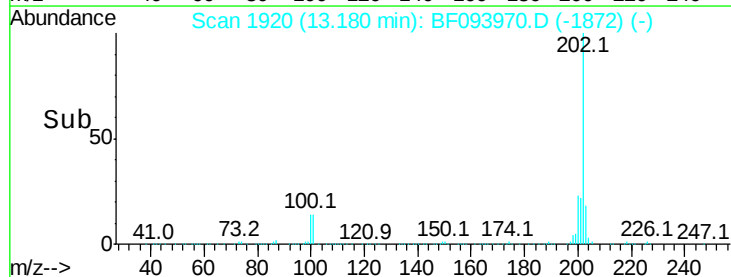
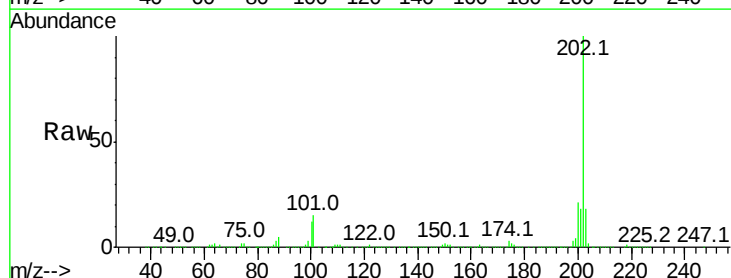
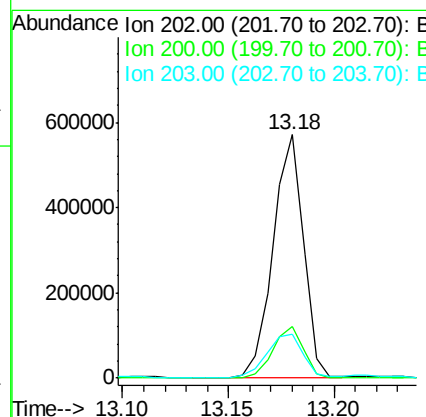
RT: 13.18 min Scan# 1920

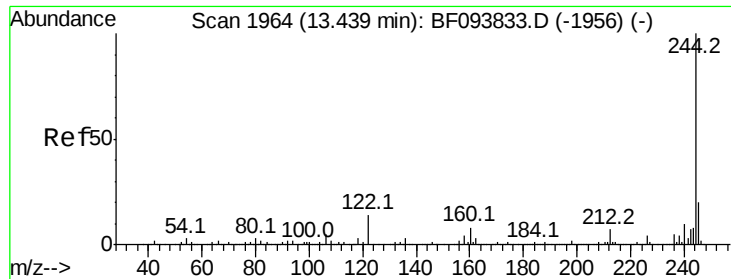
Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.8	14.4	21.6





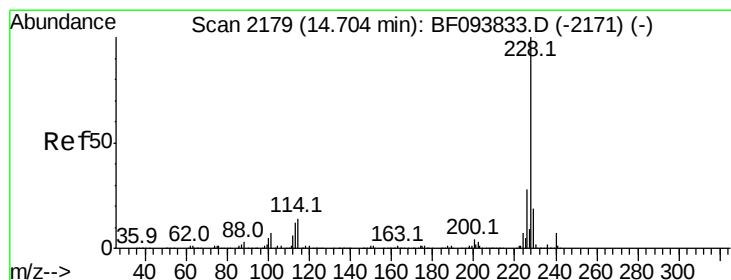
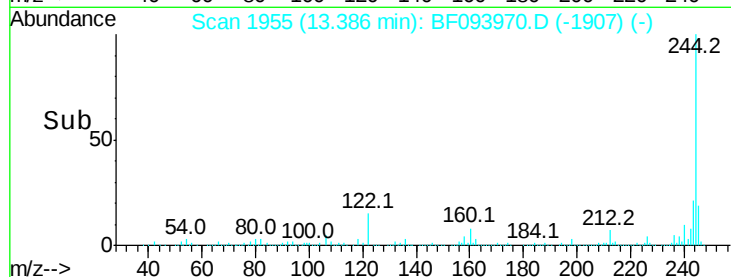
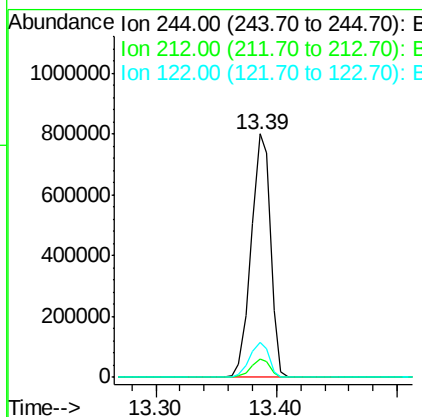
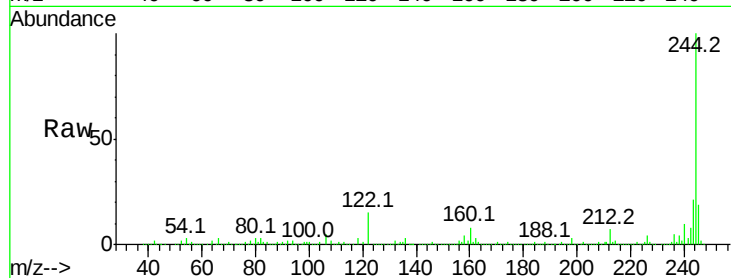
#78
 Terphenyl-d14
 Concen: 55.60 ng
 RT: 13.39 min Scan# 1955
 Delta R.T. -0.02 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Instrument :
 BNA_F
 ClientSampleId :
 TS-01

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	14.5	10.3	15.5

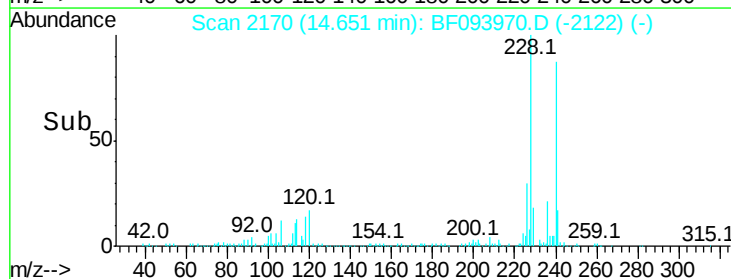
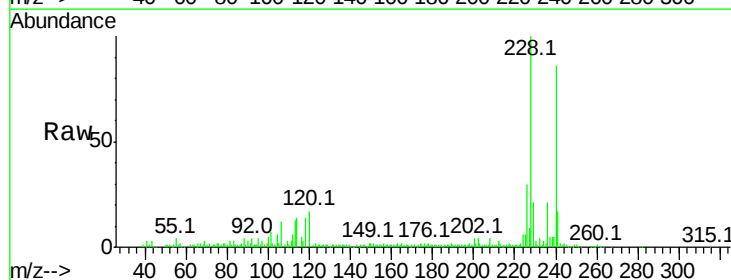
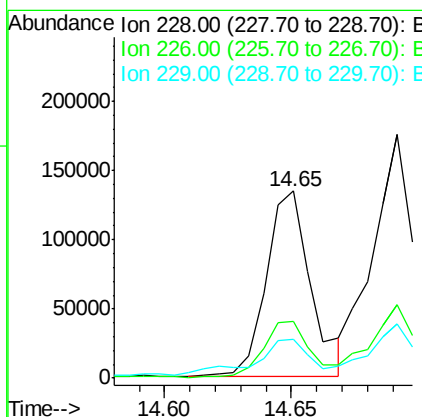
Manual Integrations
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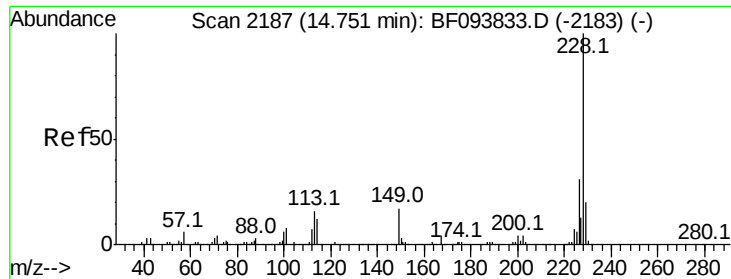
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#80
 Benzo(a)anthracene
 Concen: 7.81 ng
 RT: 14.65 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.8	16.3	24.5





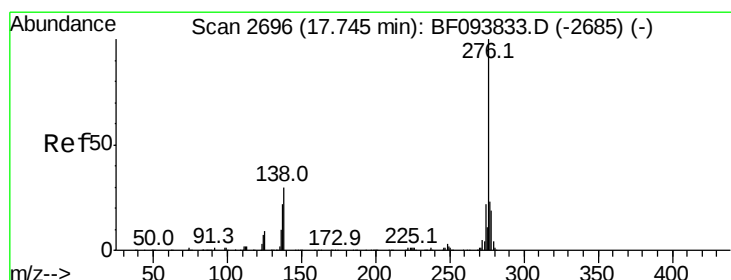
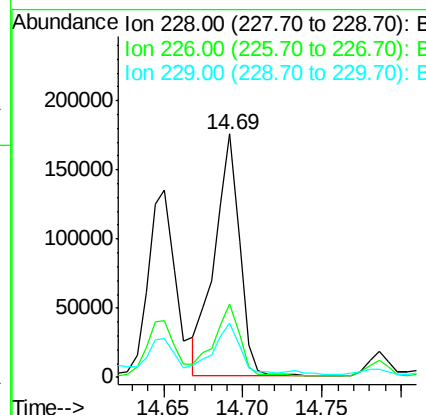
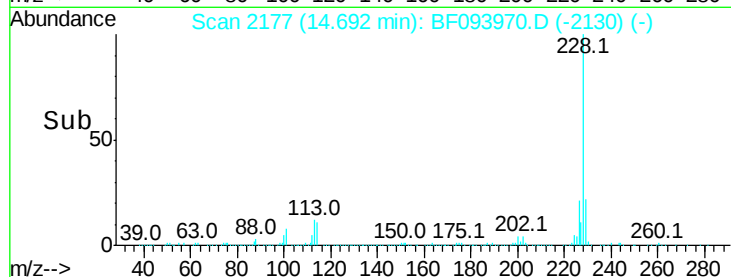
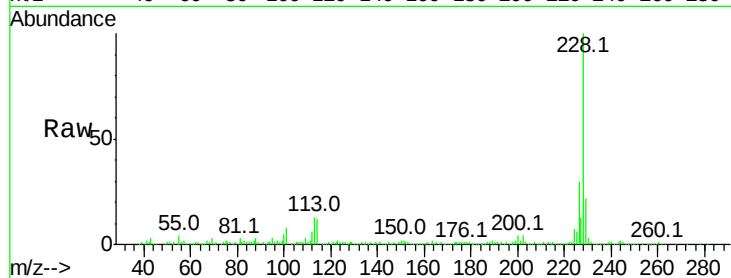
#82
Chrysene
Concen: 9.88 ng
RT: 14.69 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_F
ClientSampleId :
TS-01

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	30.2	24.9	37.3
229	22.4	15.8	23.6

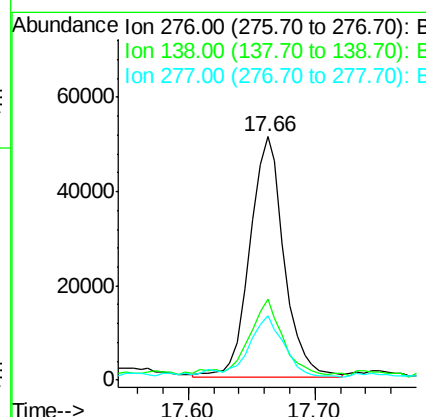
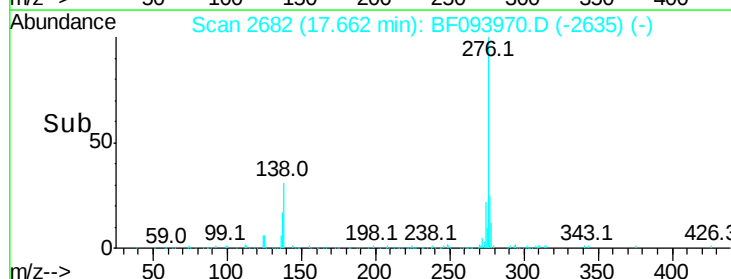
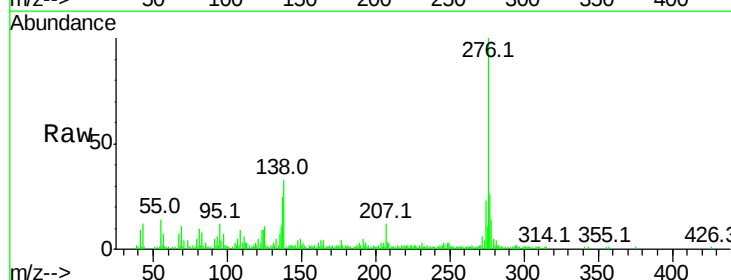
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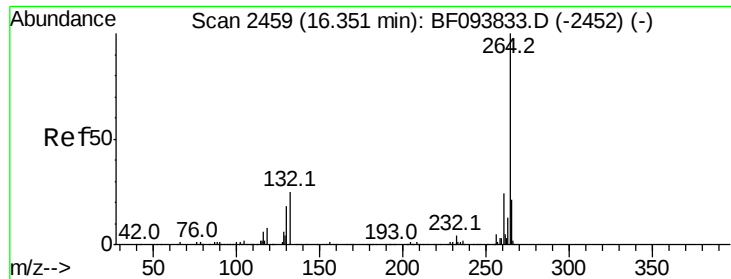
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.67 ng
RT: 17.66 min Scan# 2682
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	31.1	27.8	41.6
277	27.1	20.2	30.4





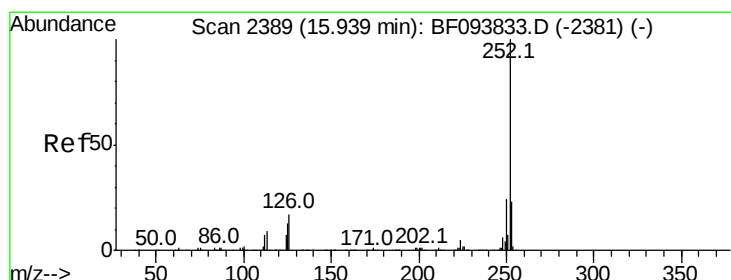
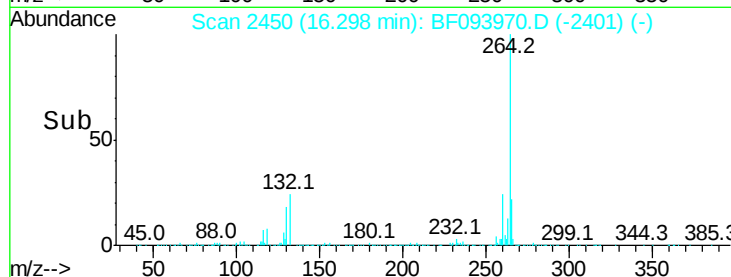
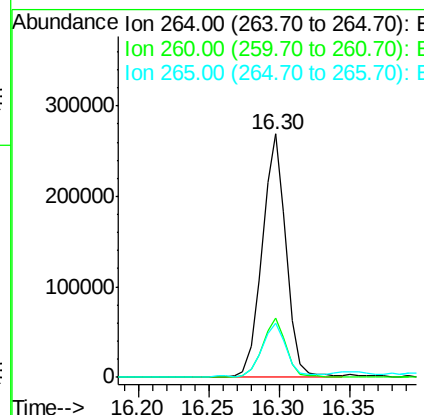
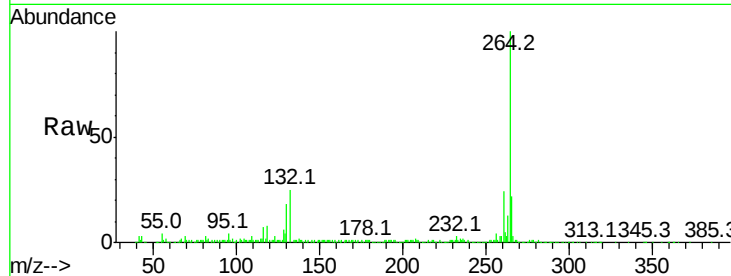
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.30 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_F
ClientSampleId :
TS-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.2	17.2	25.8

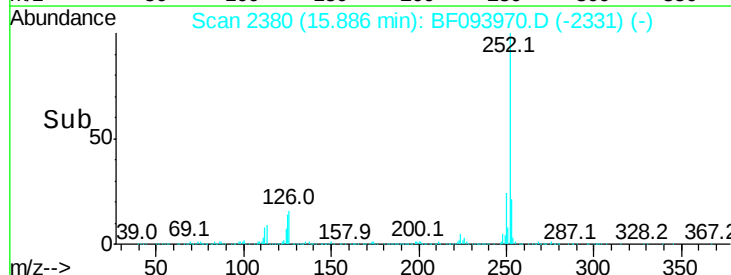
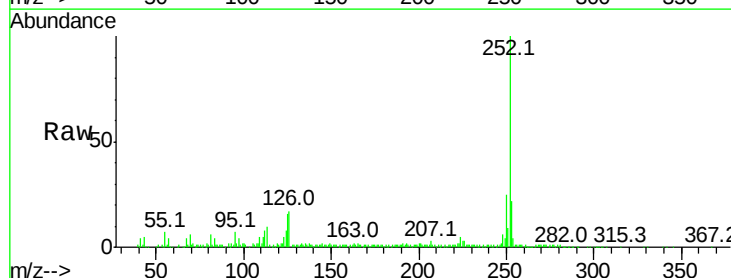
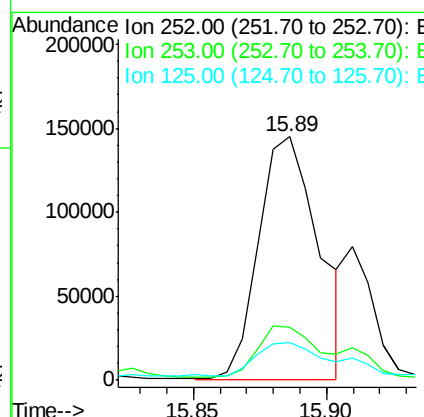
Manual Integrations
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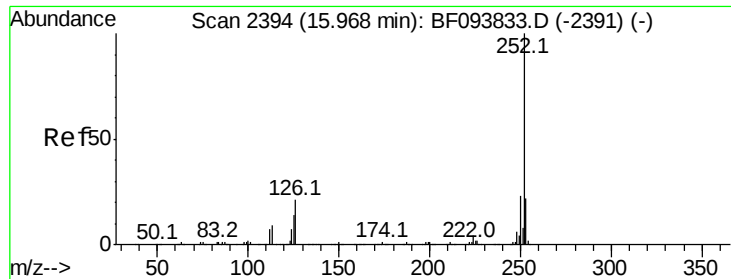
mohammad
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#87
Benzo(b)fluoranthene
Concen: 11.56 ng m
RT: 15.89 min Scan# 2380
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	15.7	9.8	14.8#





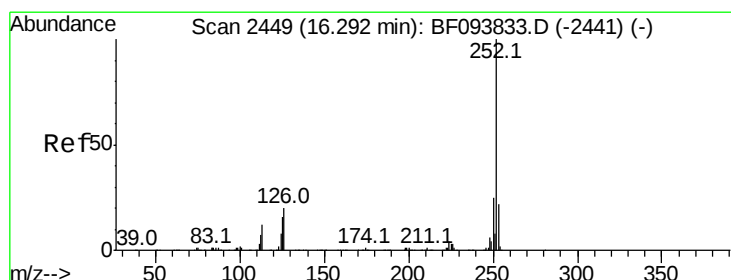
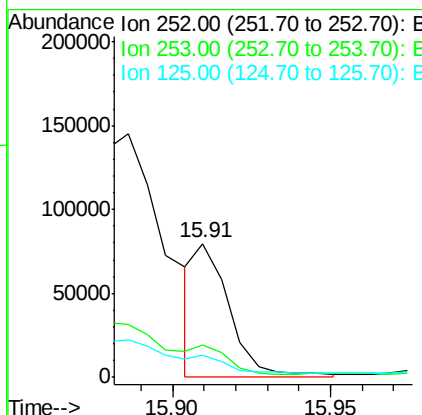
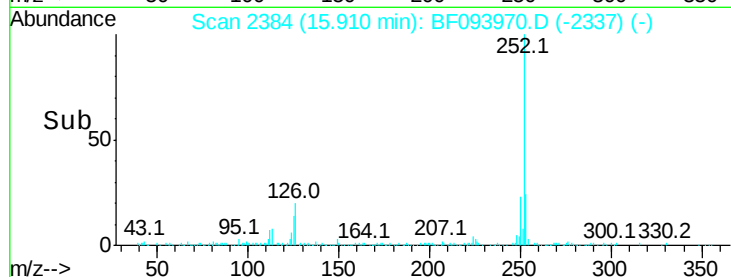
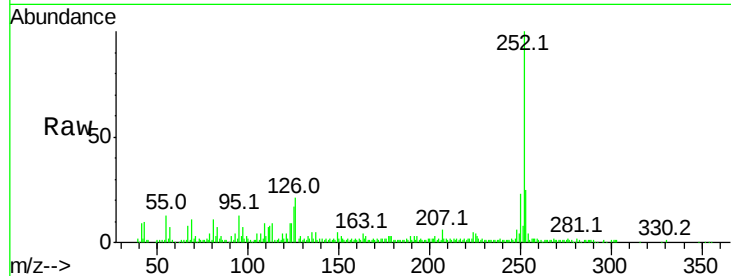
#88
Benzo(k)fluoranthene
Concen: 3.19 ng m
RT: 15.91 min Scan# 2384
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_F
ClientSampleId :
TS-01

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	16.7	13.1	19.7

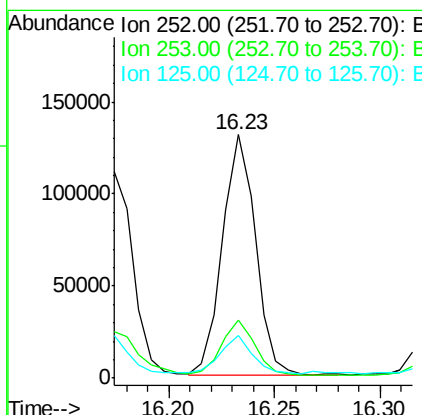
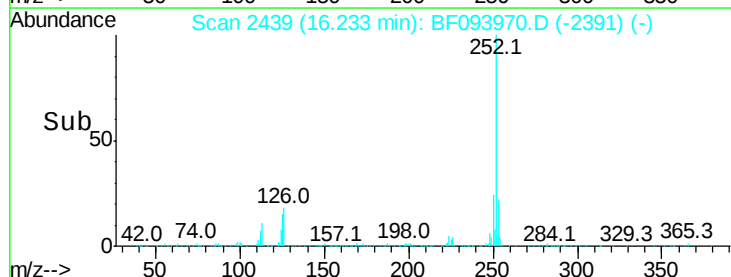
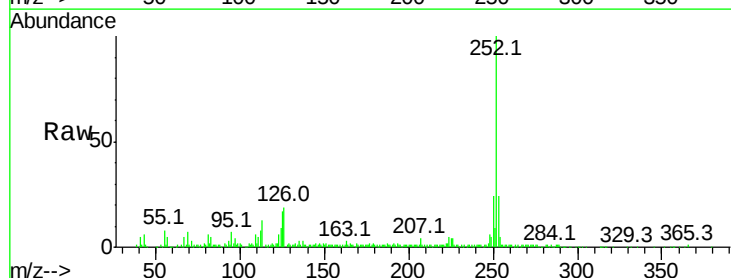
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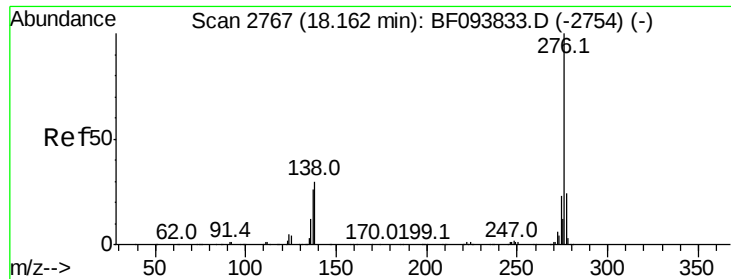
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#89
Benzo(a)pyrene
Concen: 7.78 ng
RT: 16.23 min Scan# 2439
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.5	26.3
125	17.4	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 6.18 ng
 RT: 18.07 min Scan# 2751
 Delta R.T. -0.03 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Instrument :
 BNA_F
 ClientSampleId :
 TS-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	27.8	25.4	38.0

Manual Integrations
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