

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
 Data File : BF093454.D
 Acq On : 9 Mar 2017 3:01
 Operator : SJ/MA
 Sample : I2136-01 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-31-20170306

Manual Integrations
 APPROVED

mohammad
 3/10/2017 8:12:42 AM

Quant Time: Mar 09 05:00:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 15:55:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	157450	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	600567	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	247156	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	369235	20.00	ng	0.01
75) Chrysene-d12	13.93	240	360660	20.00	ng	0.01
86) Perylene-d12	15.35	264	299750	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	518949	54.86	ng	0.01
7) Phenol-d6	6.42	99	676789	56.73	ng	0.01
23) Nitrobenzene-d5	7.34	82	402715	37.21	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	87617	54.41	ng	0.01
44) 2-Fluorobiphenyl	9.13	172	703955	52.98	ng	0.00
78) Terphenyl-d14	12.87	244	489671	35.30	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.67	152	102122	4.49	ng	98
49) Dimethylphthalate	9.53	163	176032	10.74	ng	100
57) Fluorene	10.36	166	38435	2.70	ng	98
70) Phenanthrene	11.32	178	692209	32.84	ng	98
71) Anthracene	11.37	178	132535	6.22	ng	97
72) Carbazole	11.53	167	47807	2.39	ng	99
74) Fluoranthene	12.50	202	893946	43.91	ng	98
77) Pyrene	12.73	202	981158	37.41	ng	99
80) Benzo(a)anthracene	13.92	228	583298	27.39	ng	98
82) Chrysene	13.97	228	499049	25.33	ng	98
85) Indeno(1,2,3-cd)pyrene	16.73	276	176107	10.68	ng	96
87) Benzo(b)fluoranthene	14.96	252	606530m	33.22	ng	
88) Benzo(k)fluoranthene	14.97	252	111107m	6.31	ng	
89) Benzo(a)pyrene	15.29	252	365161	21.89	ng	# 94
90) Dibenzo(a,h)anthracene	16.73	278	45595	3.30	ng	# 85
91) Benzo(g,h,i)perylene	17.16	276	166506	11.75	ng	# 93

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

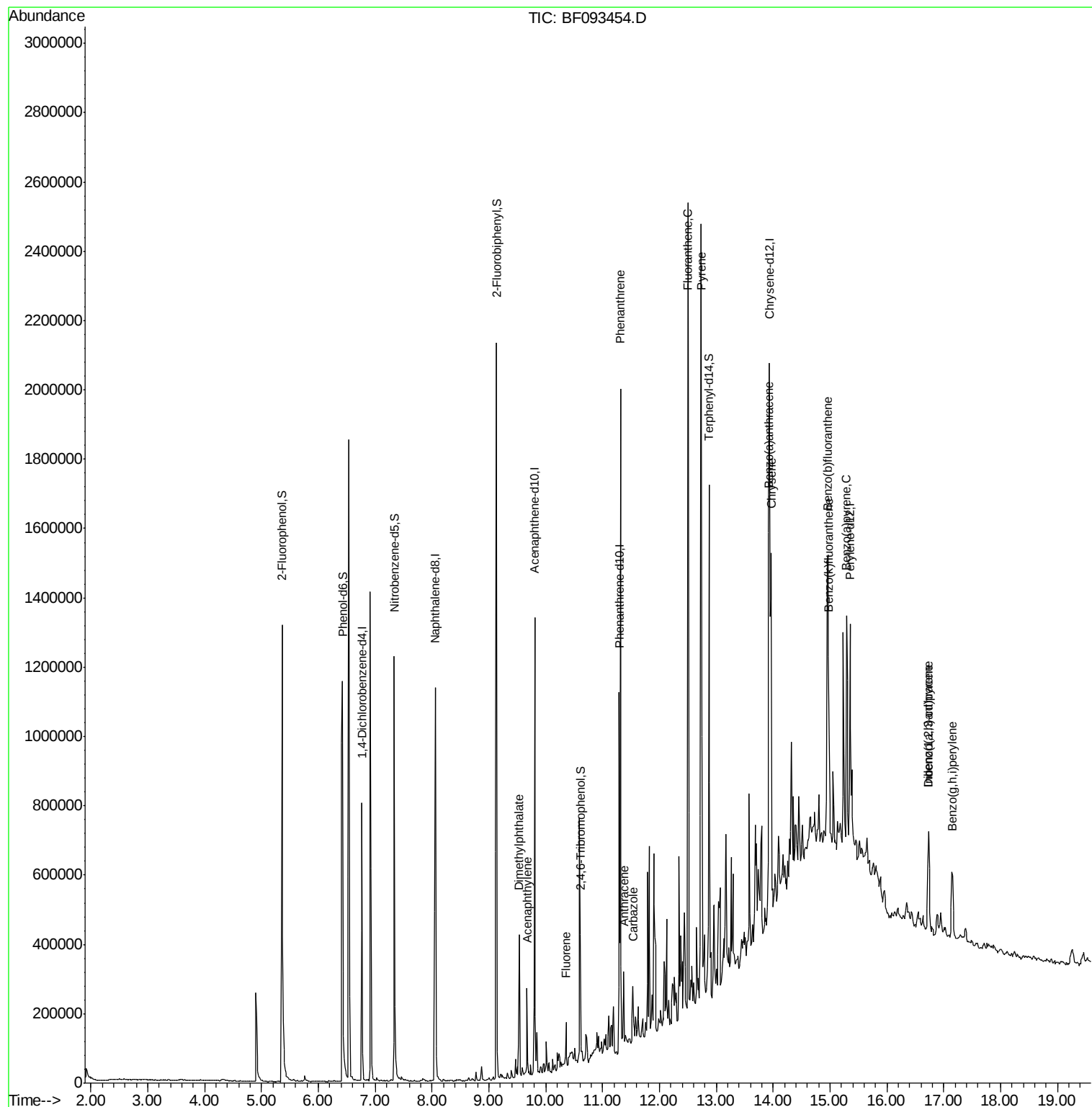
Data Path : Z:\HPCHEM1\BNA F\DATA\BF030817\
Data File : BF093454.D
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Operator : SJ/MA
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#1

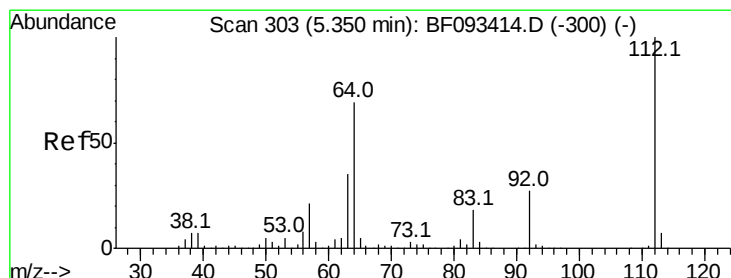
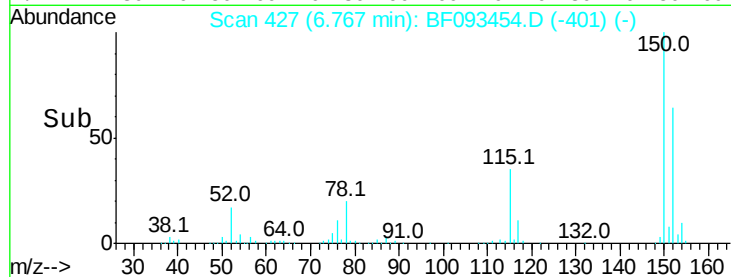
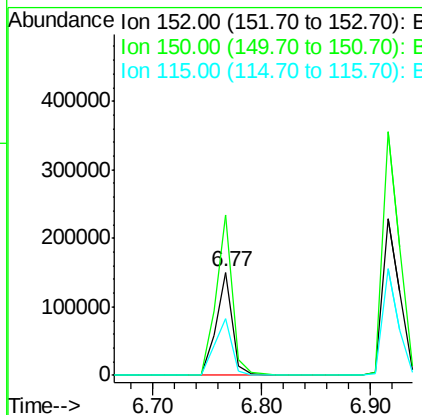
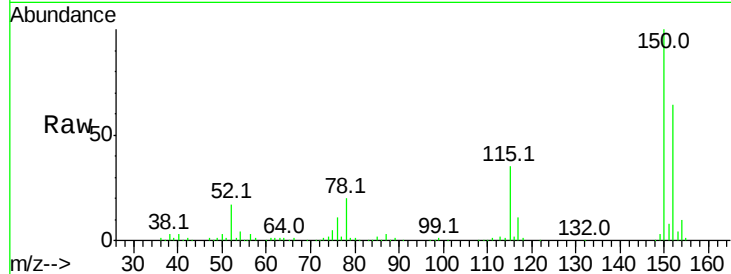
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Instrument :
BNA_F
ClientSampleId :
POSTEX-31-20170306

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.9	187.3
115	54.6	46.0	69.0

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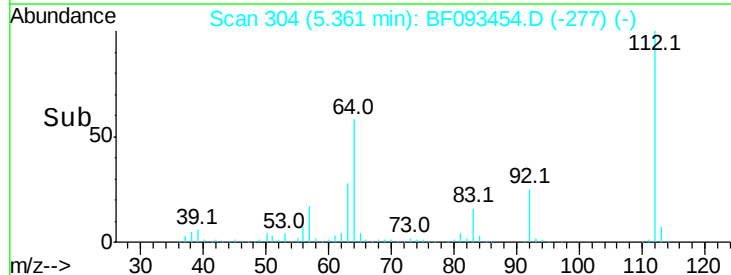
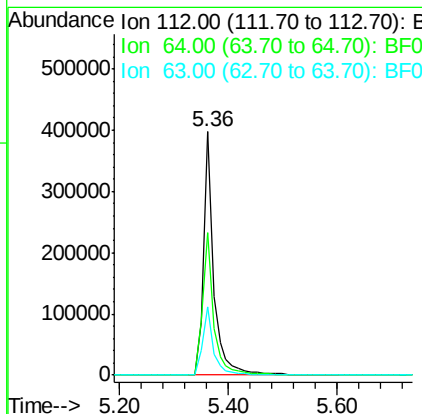
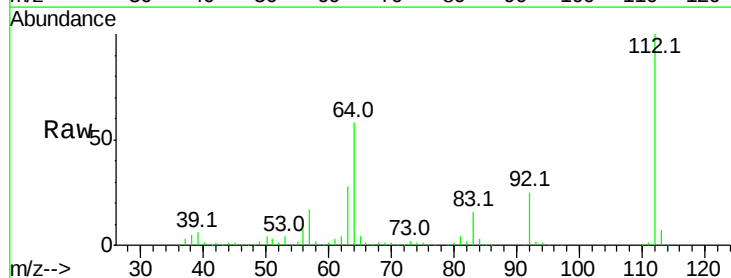
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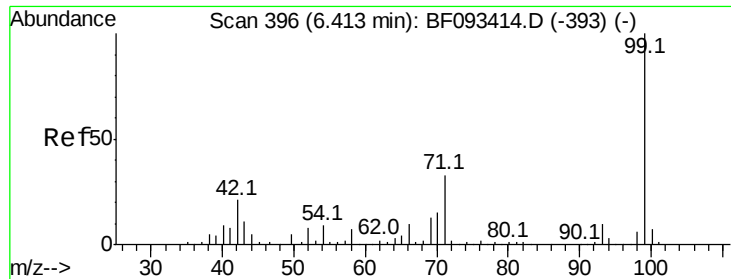


#5

2-Fluorophenol
Concen: 54.86 ng
RT: 5.36 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.1	69.1
63	28.2	23.8	35.6





#7

Phenol-d6

Concen: 56.73 ng

RT: 6.42 min Scan# 397

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

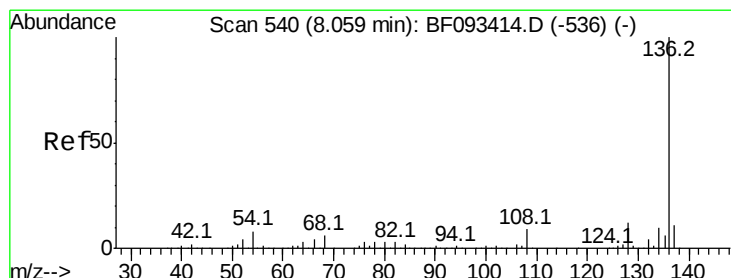
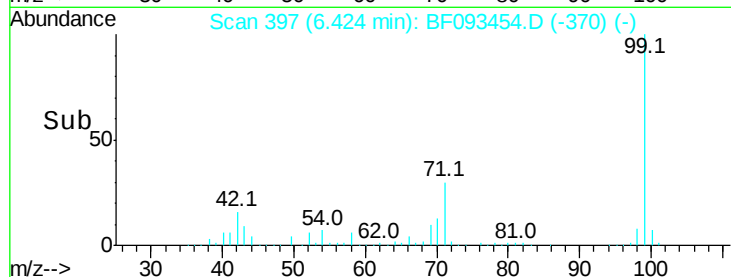
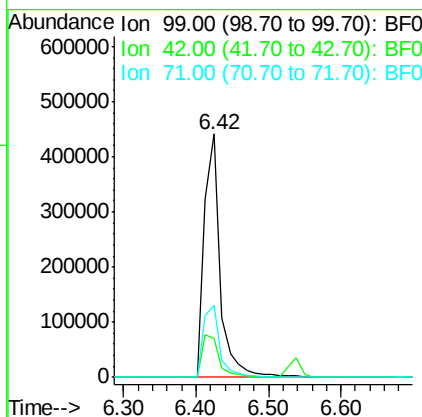
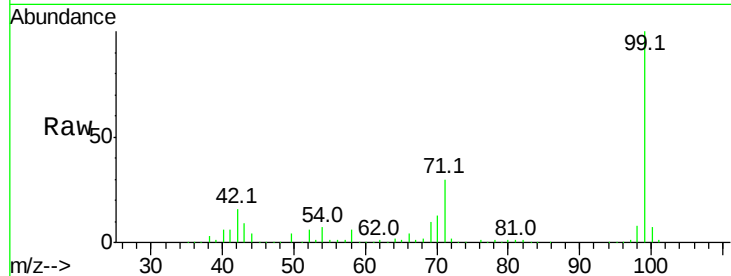
ClientSampleId :

POSTEX-31-20170306

Tot Ion:	99	Resp:	676789
Ion	Ratio	Lower	Upper
99	100		
42	16.0	15.6	23.4
71	29.6	27.5	41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

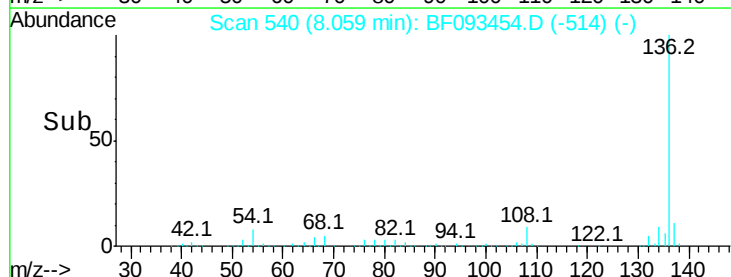
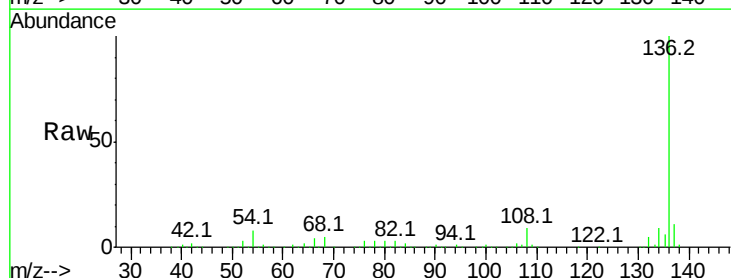
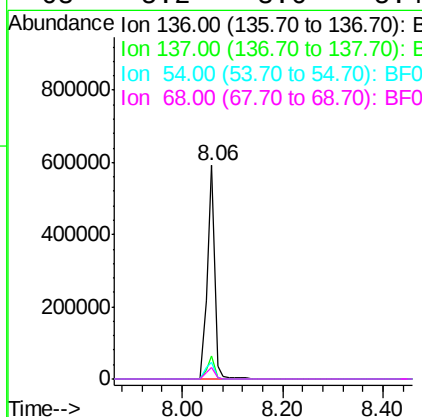
RT: 8.06 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Tgt Ion:	136	Resp:	600567
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	7.6	4.5	6.7#
68	5.2	3.6	5.4





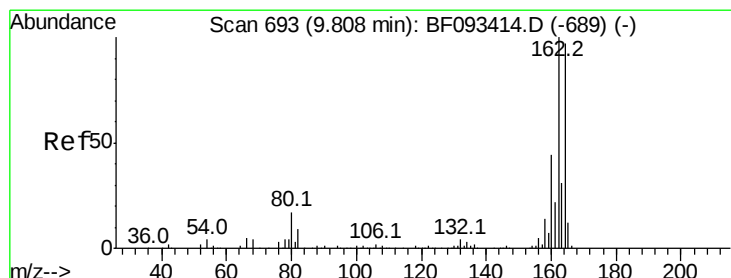
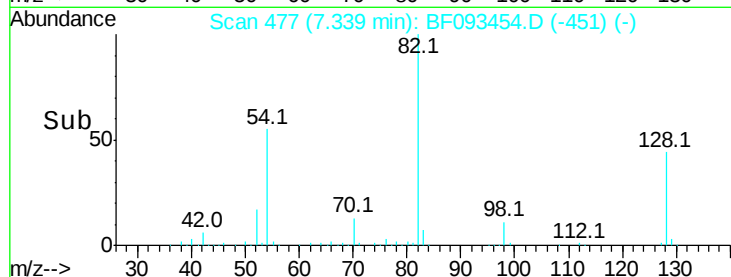
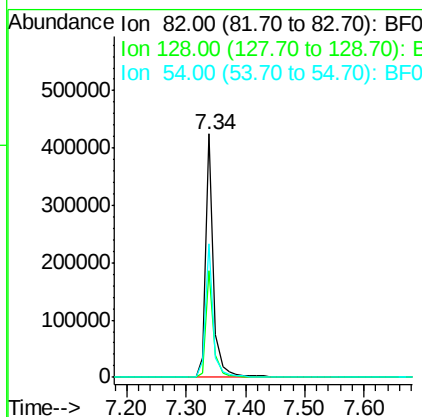
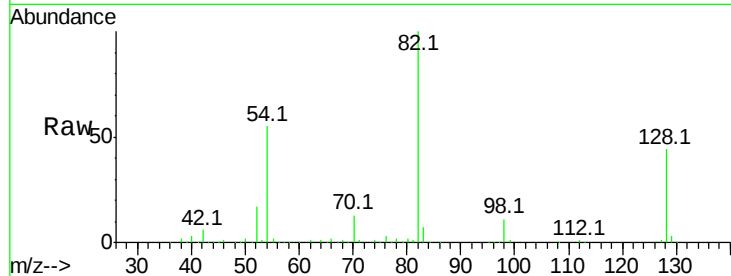
#23
 Nitrobenzene-d5
 Concen: 37.21 ng
 RT: 7.34 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BF093454.D
 Acq: 9 Mar 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-31-20170306

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.6	34.6	52.0	
54	54.7	39.5	59.3	

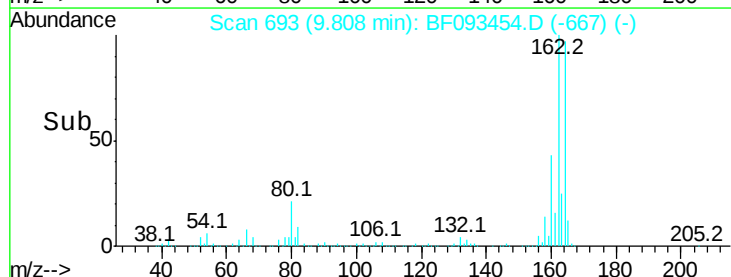
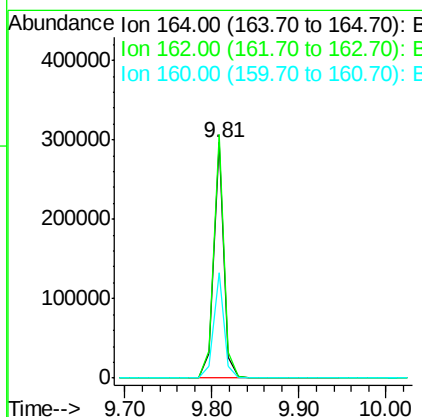
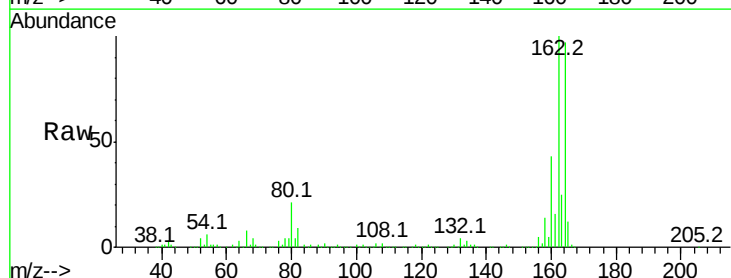
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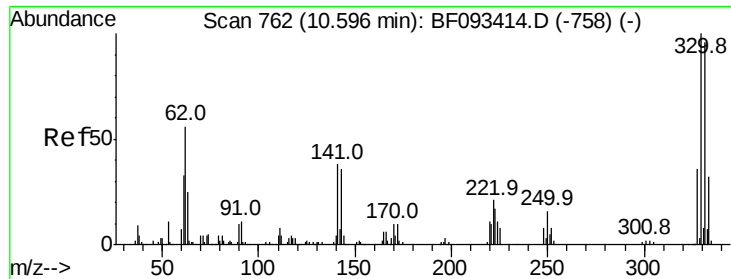
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.81 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: BF093454.D
 Acq: 9 Mar 2017 3:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.3	80.2	120.2	
160	44.8	36.9	55.3	





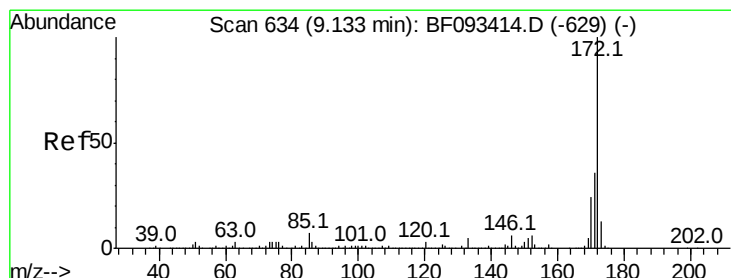
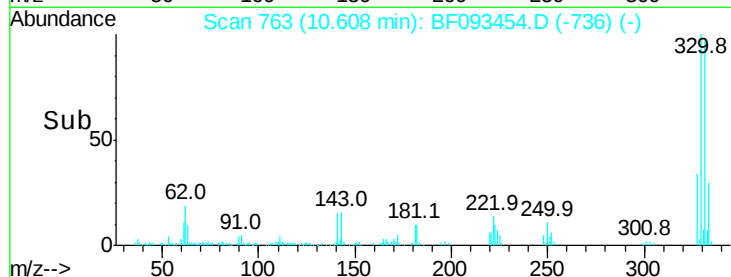
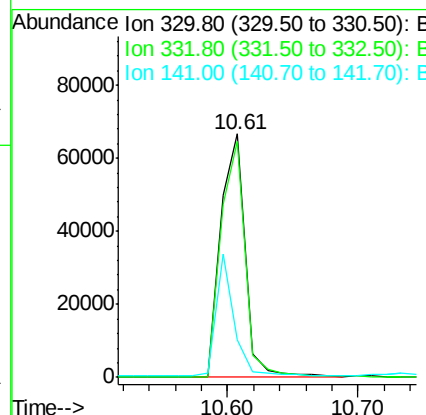
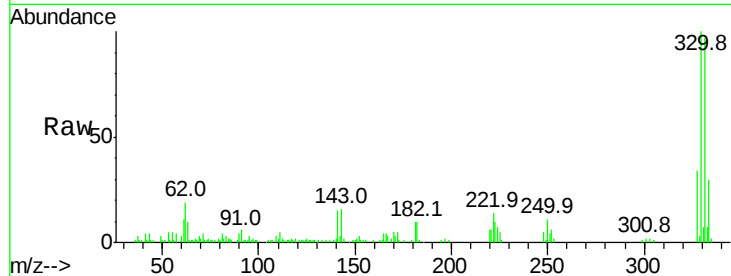
#41
 2,4,6-Tribromophenol
 Concen: 54.41 ng
 RT: 10.61 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF093454.D
 Acq: 9 Mar 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-31-20170306

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.2
141	38.2	34.1	51.1

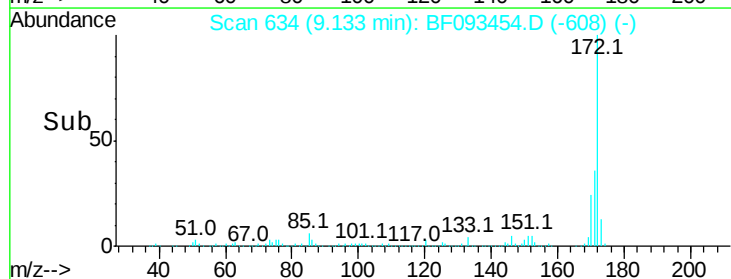
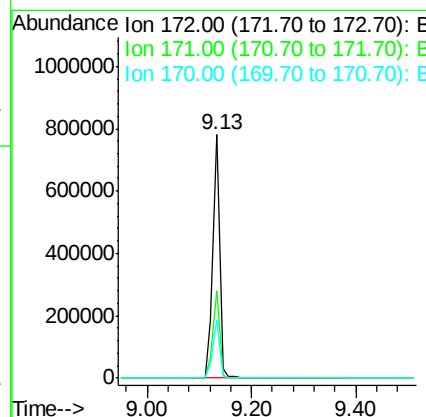
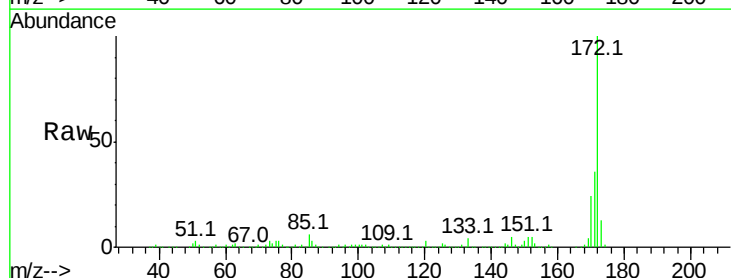
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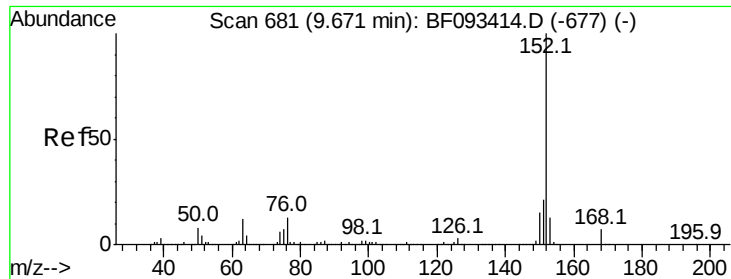
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#44
 2-Fluorobiphenyl
 Concen: 52.98 ng
 RT: 9.13 min Scan# 634
 Delta R.T. -0.00 min
 Lab File: BF093454.D
 Acq: 9 Mar 2017 3:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.0	20.2	30.4





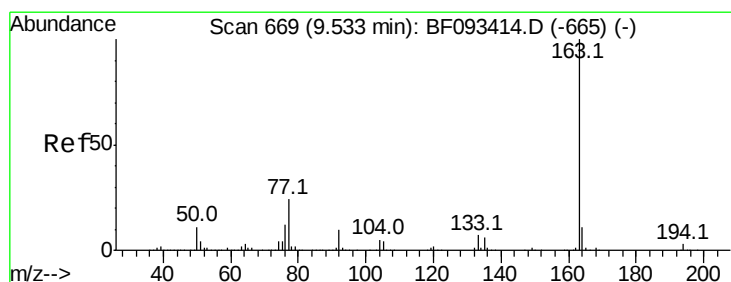
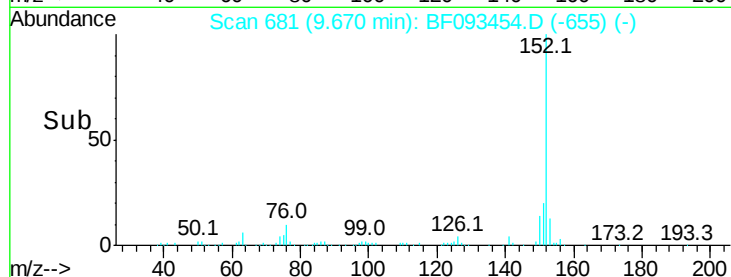
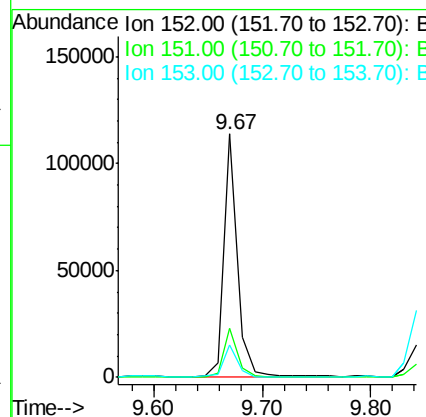
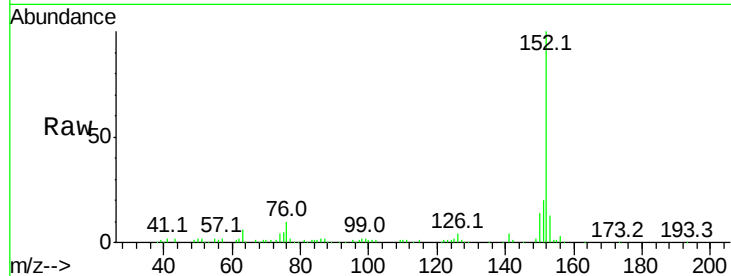
#48
Acenaphthylene
Concen: 4.49 ng
RT: 9.67 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Instrument :
BNA_F
ClientSampleId :
POSTEX-31-20170306

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	20.4	16.9	25.3
153	13.2	11.4	17.2

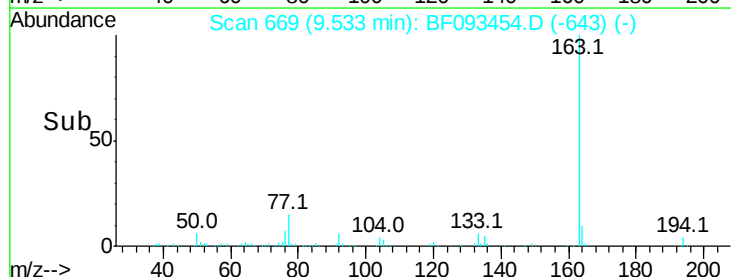
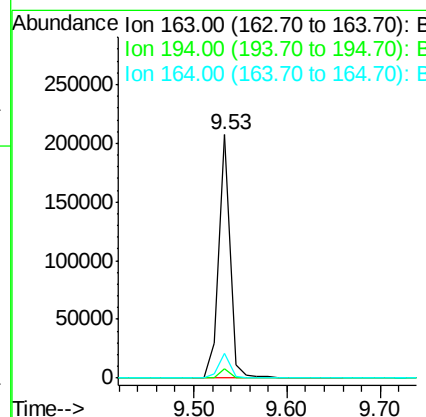
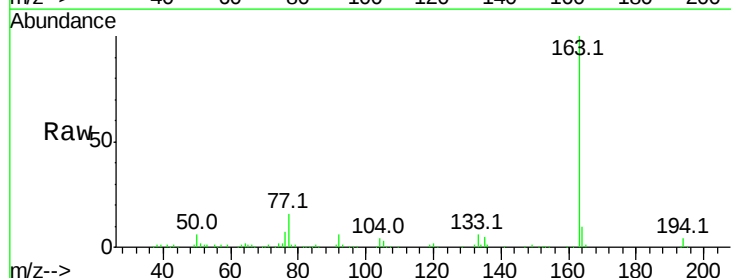
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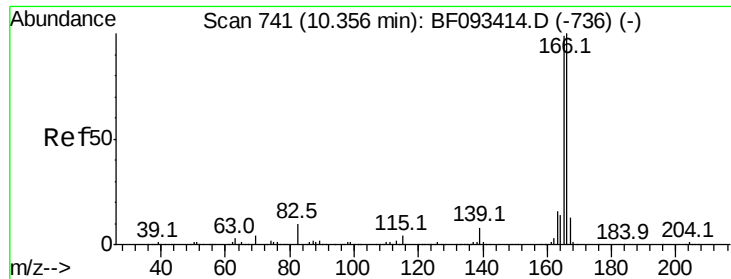
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#49
Dimethylphthalate
Concen: 10.74 ng
RT: 9.53 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	3.0	4.4
164	9.9	8.0	12.0





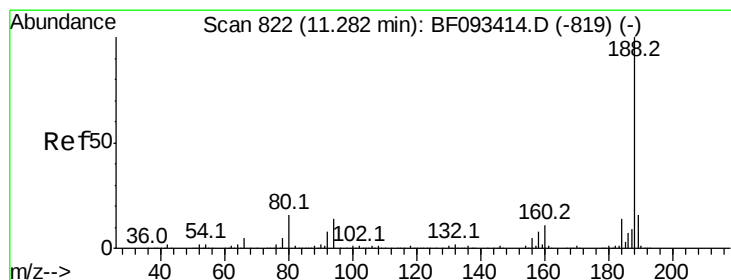
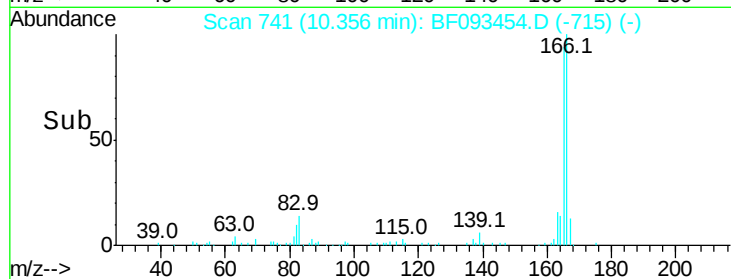
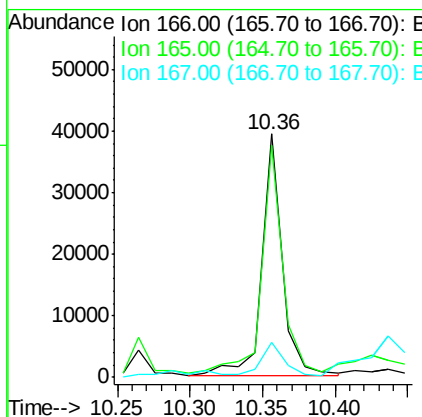
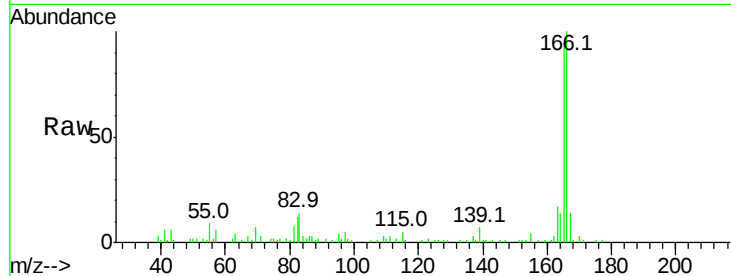
#57
Fluorene
 Concen: 2.70 ng
 RT: 10.36 min Scan# 741
 Delta R.T. -0.00 min
 Lab File: BF093454.D
 Acq: 9 Mar 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-31-20170306

Tot Ion	Ratio	Lower	Upper
166	100		
165	95.3	77.8	116.8
167	14.3	10.8	16.2

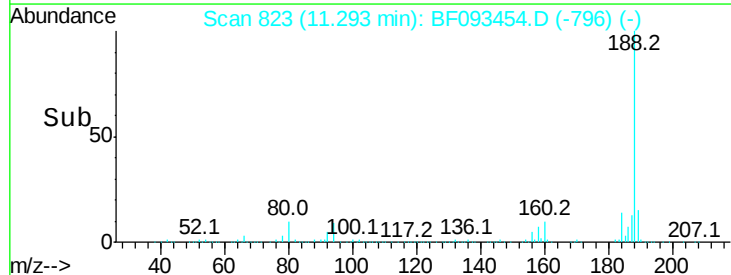
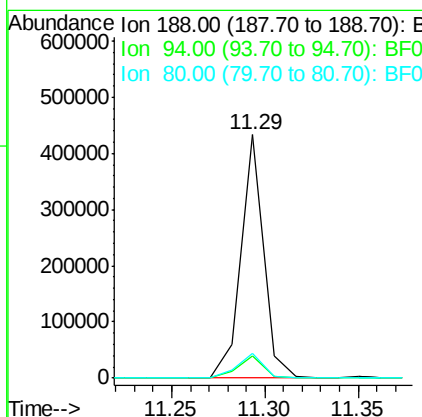
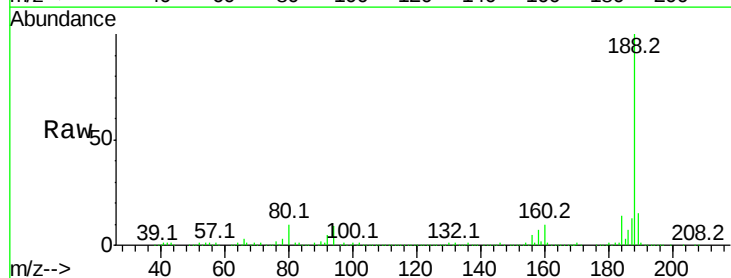
Manual Integrations
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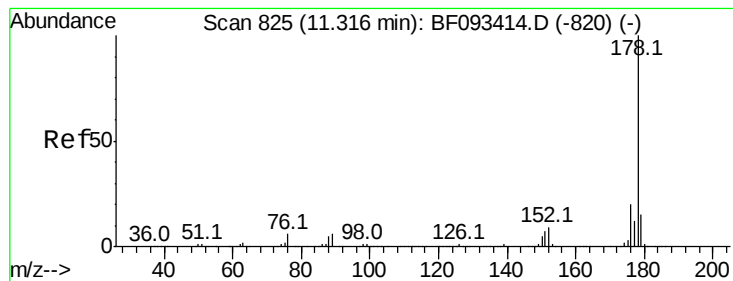
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.29 min Scan# 823
 Delta R.T. 0.01 min
 Lab File: BF093454.D
 Acq: 9 Mar 2017 3:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	10.0	15.0#
80	10.1	11.2	16.8#





#70

Phenanthrene

Concen: 32.84 ng

RT: 11.32 min Scan# 825

Delta R.T. -0.00 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

ClientSampleId :

POSTEX-31-20170306

Tot Ion:178 Resp: 692209

Ion Ratio Lower Upper

178 100

176 19.5 16.6 25.0

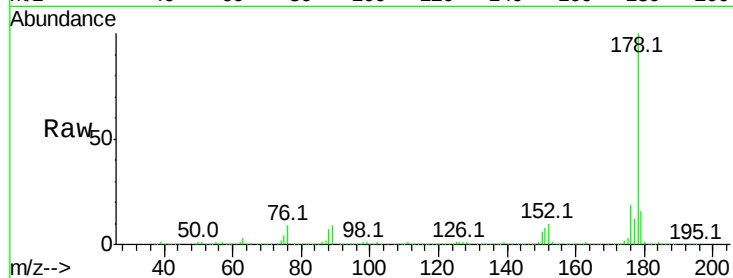
179 15.6 12.8 19.2

Manual Integrations

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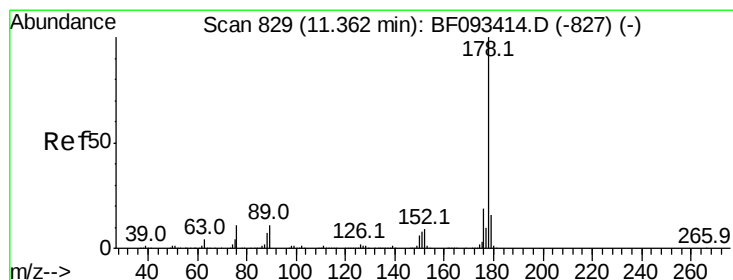
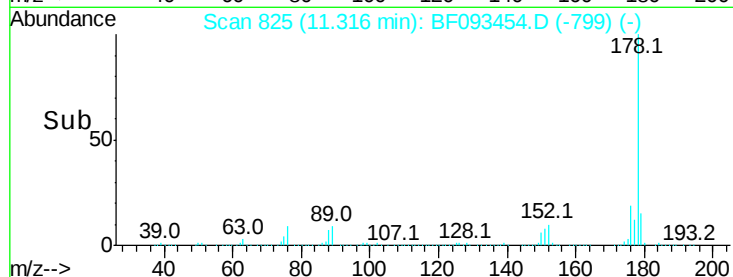
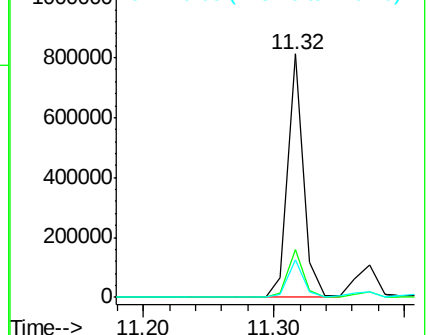
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 6.22 ng

RT: 11.37 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

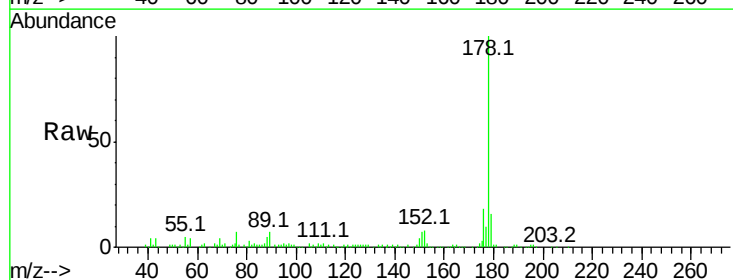
Tgt Ion:178 Resp: 132535

Ion Ratio Lower Upper

178 100

176 18.5 15.9 23.9

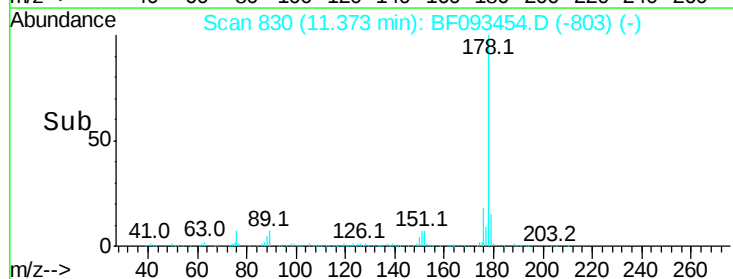
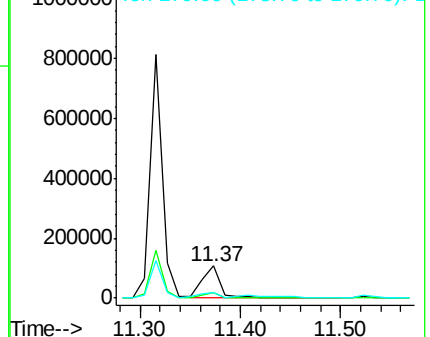
179 15.6 13.2 19.8

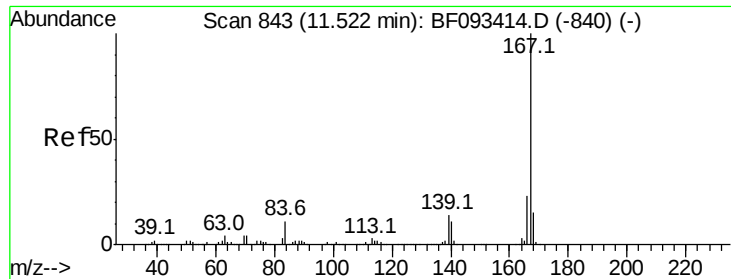


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.39 ng

RT: 11.53 min Scan# 844

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

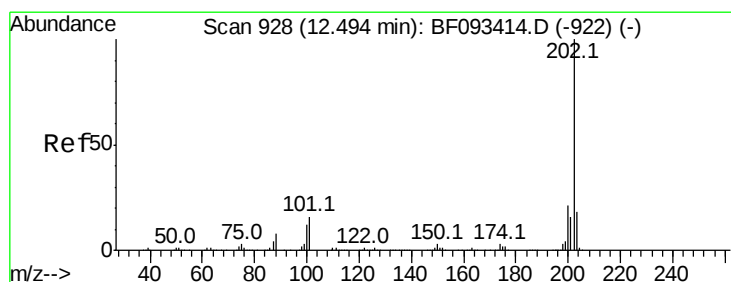
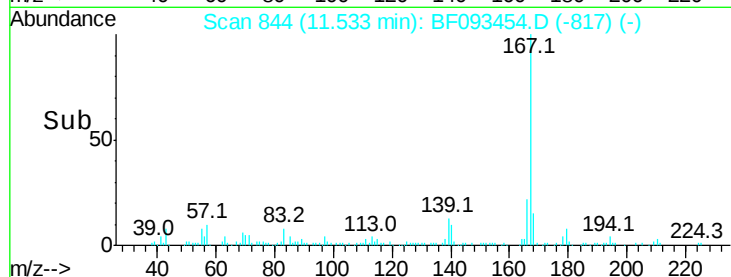
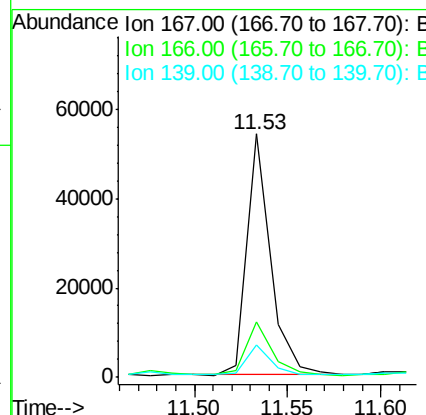
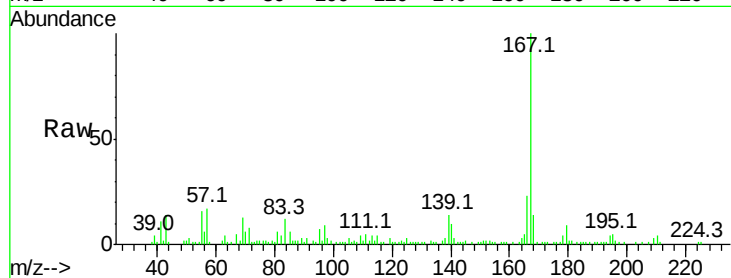
ClientSampleId :

POSTEX-31-20170306

Tot Ion:	167	Resp:	47807
Ion Ratio	Lower	Upper	
167	100		
166	23.0	18.2	27.2
139	13.5	11.4	17.2

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#74

Fluoranthene

Concen: 43.91 ng

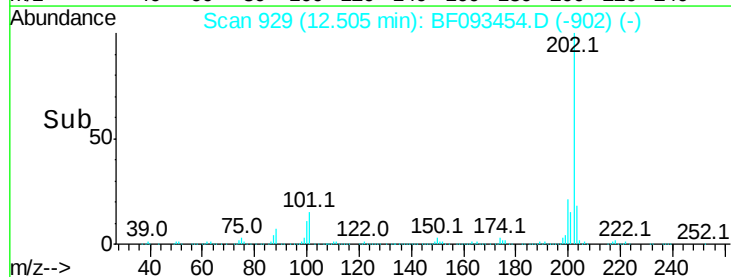
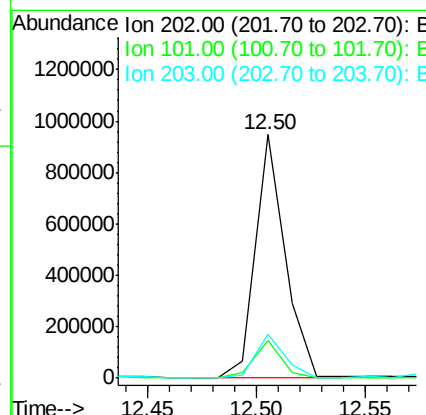
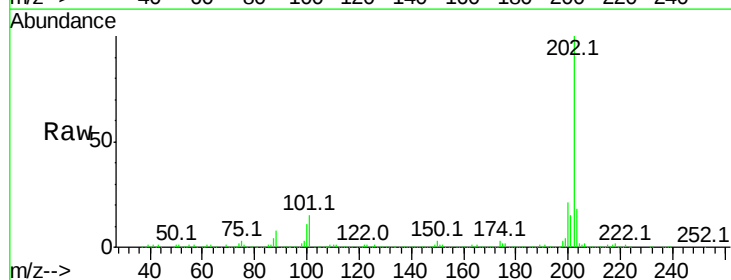
RT: 12.50 min Scan# 929

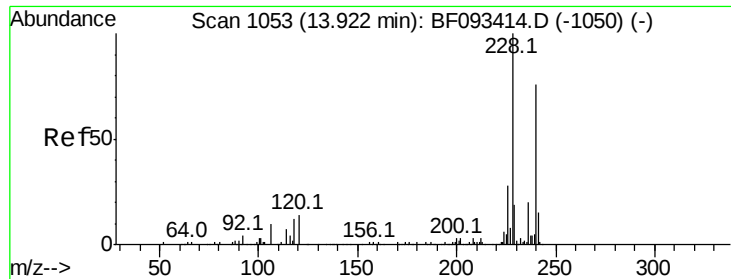
Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Tgt Ion:	202	Resp:	893946
Ion Ratio	Lower	Upper	
202	100		
101	15.4	0.0	34.6
203	18.1	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Instrument :

BNA_F

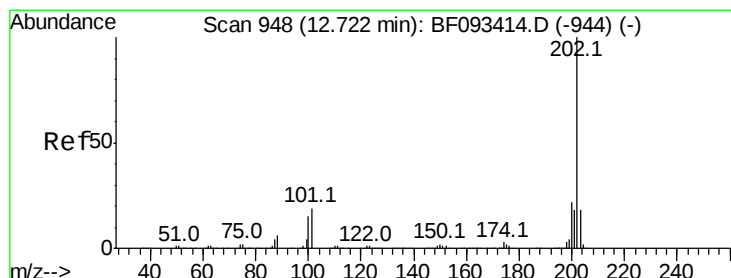
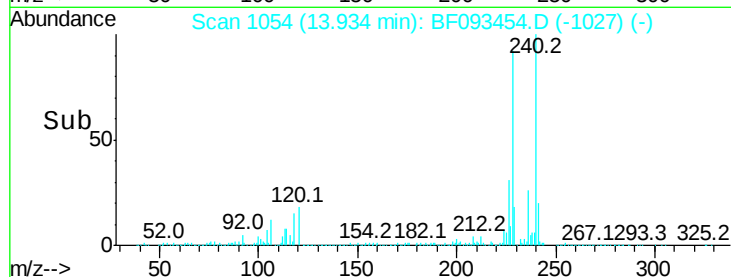
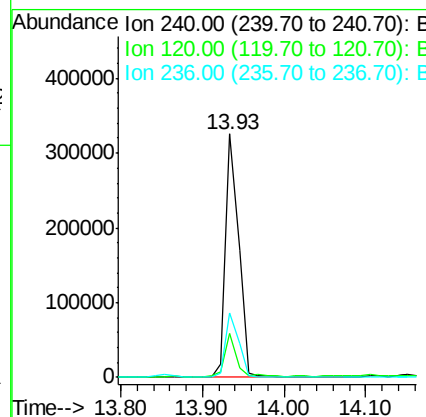
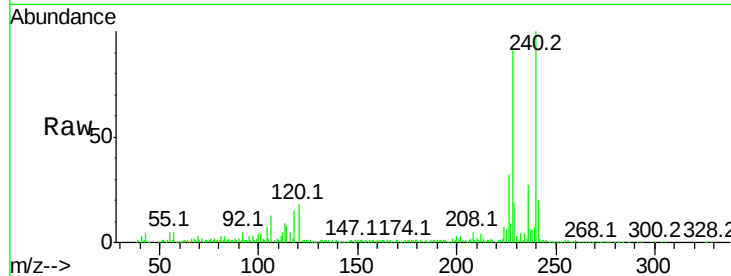
ClientSampleId :

POSTEX-31-20170306

Tot Ion:	240	Resp:	360660
Ion Ratio	Lower	Upper	
240	100		
120	17.9	12.9	19.3
236	26.7	20.9	31.3

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#77

Pyrene

Concen: 37.41 ng

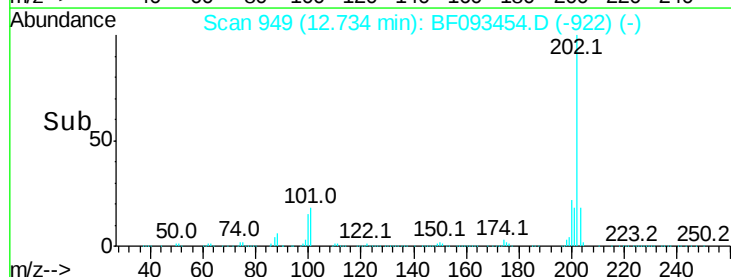
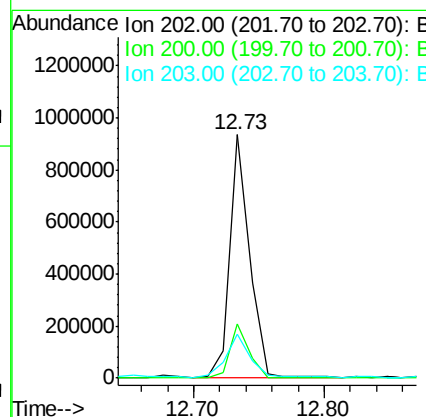
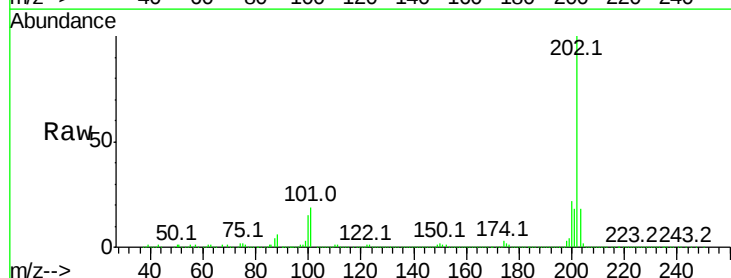
RT: 12.73 min Scan# 949

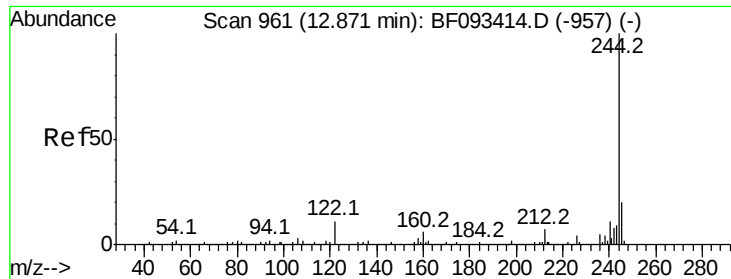
Delta R.T. 0.01 min

Lab File: BF093454.D

Acq: 9 Mar 2017 3:01

Tgt Ion:	202	Resp:	981158
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.7	26.5
203	18.1	14.7	22.1





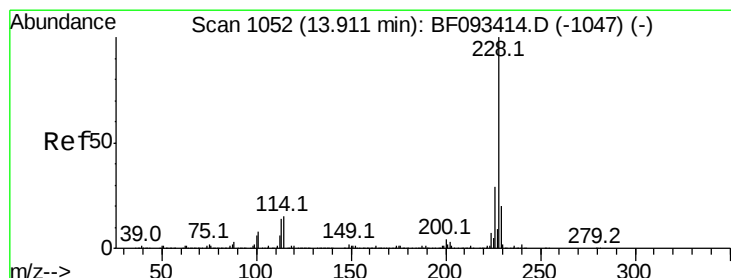
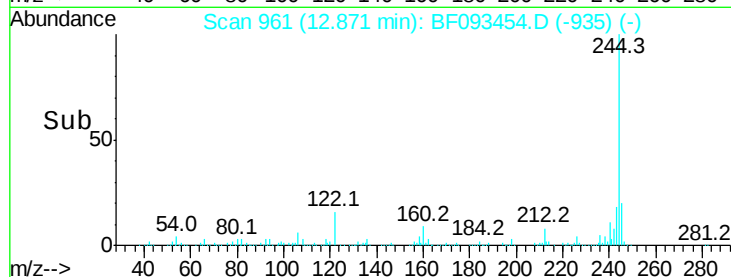
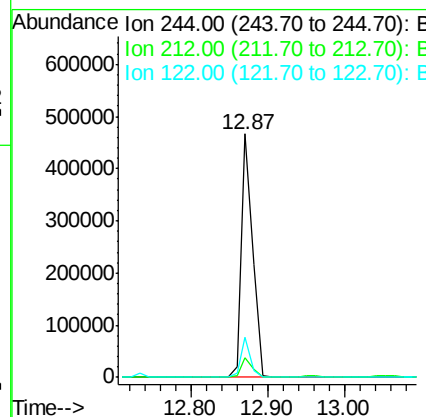
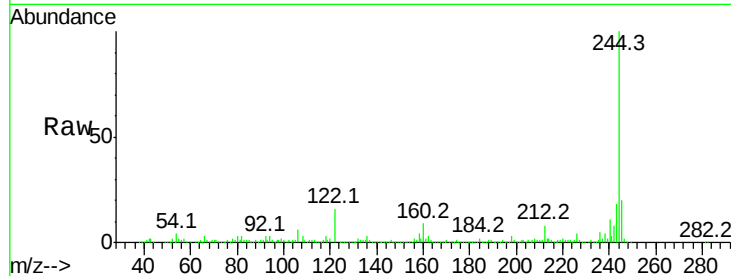
#78
 Terphenyl-d14
 Concen: 35.30 ng
 RT: 12.87 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: BF093454.D
 Acq: 9 Mar 2017 3:01

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-31-20170306

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.2
122	16.4	11.4	17.2

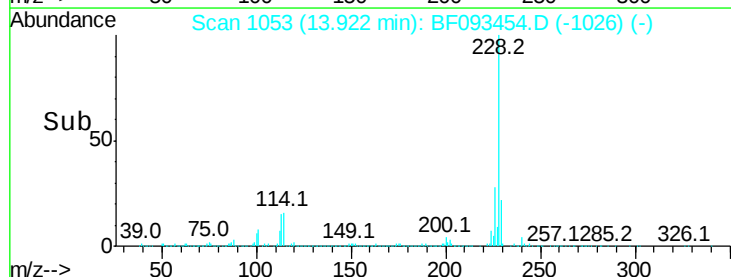
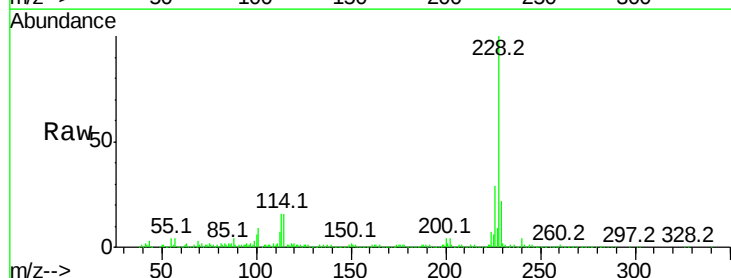
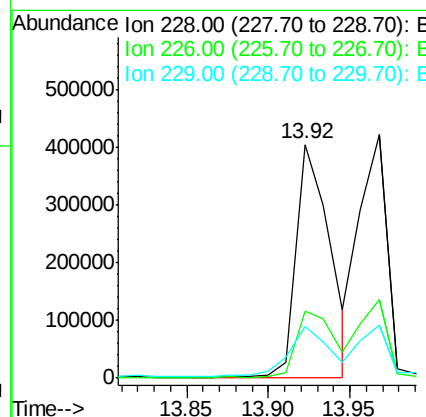
Manual Integrations
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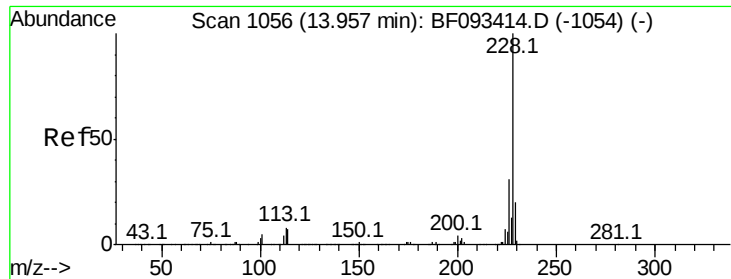
mohammad
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#80
 Benzo(a)anthracene
 Concen: 27.39 ng
 RT: 13.92 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: BF093454.D
 Acq: 9 Mar 2017 3:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.4	33.6
229	22.1	16.2	24.4





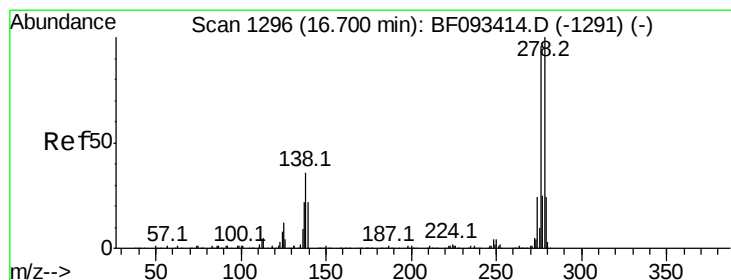
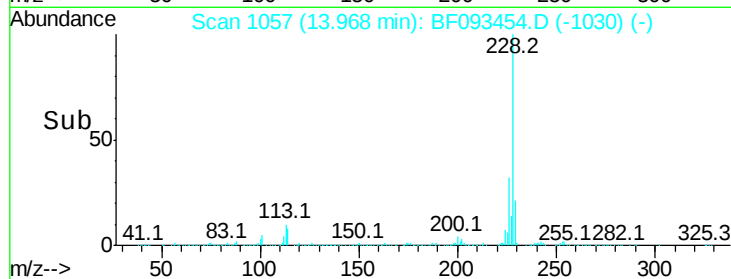
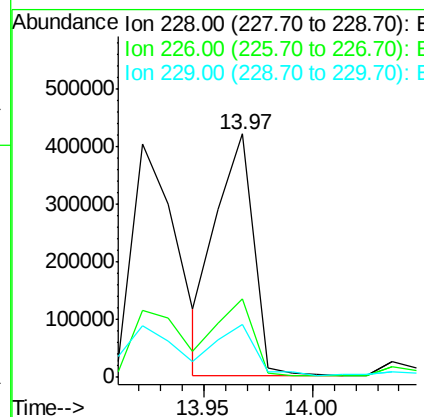
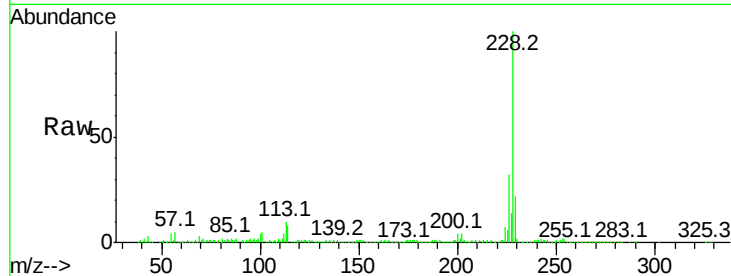
#82
Chrysene
Concen: 25.33 ng
RT: 13.97 min Scan# 1057
Delta R.T. 0.01 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Instrument :
BNA_F
ClientSampleId :
POSTEX-31-20170306

Tot Ion	Ratio	Resp	Lower	Upper
228	100	499049		
226	32.4	25.4	38.0	
229	21.9	16.2	24.2	

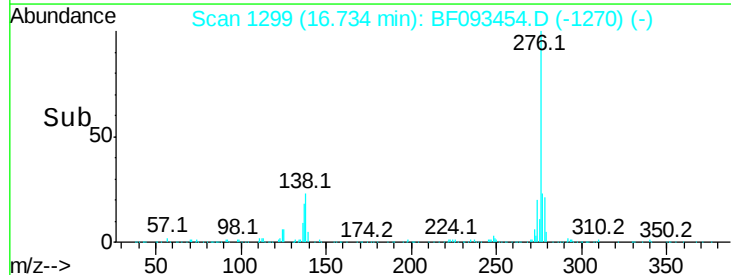
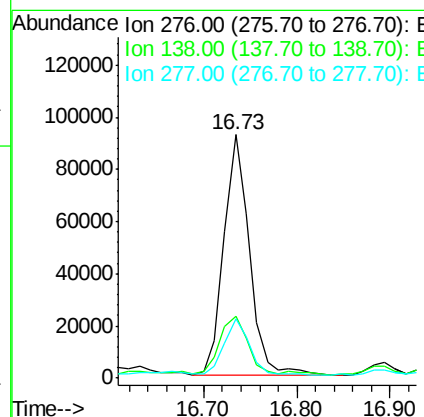
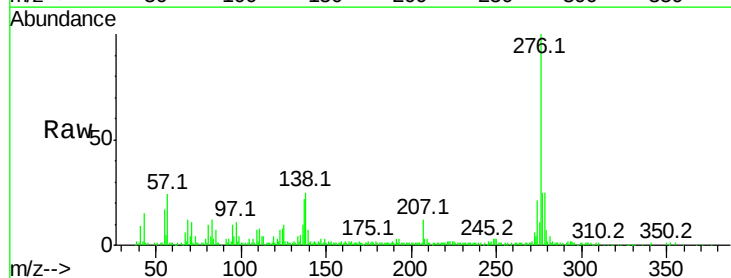
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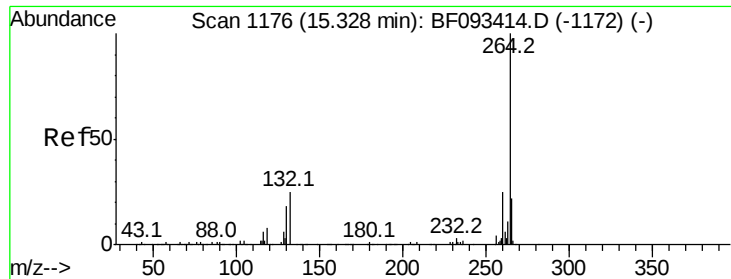
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.68 ng
RT: 16.73 min Scan# 1299
Delta R.T. 0.03 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	176107		
138	25.6	21.8	32.6	
277	23.2	20.2	30.4	





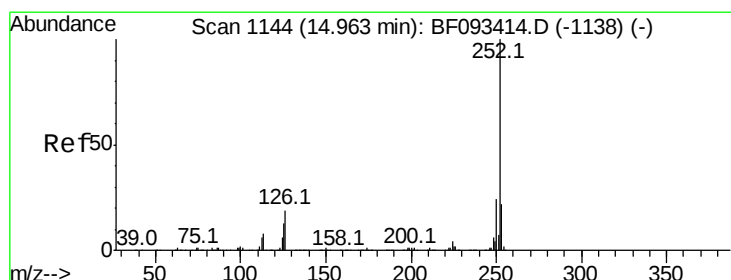
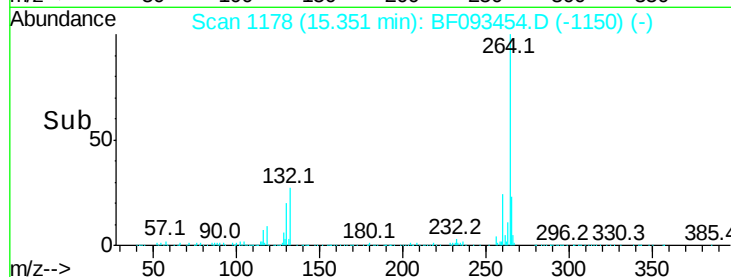
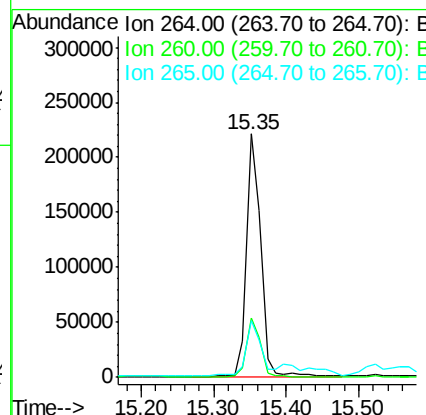
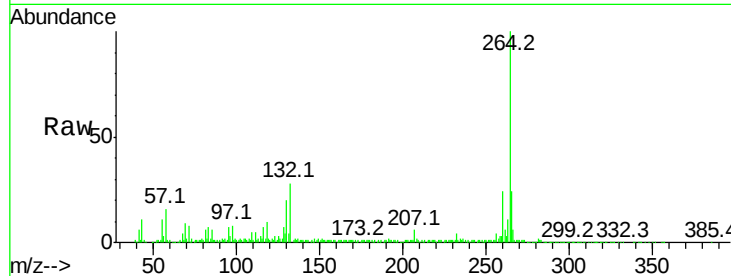
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1178
Delta R.T. 0.02 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Instrument :
BNA_F
ClientSampleId :
POSTEX-31-20170306

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.5	17.4	26.0

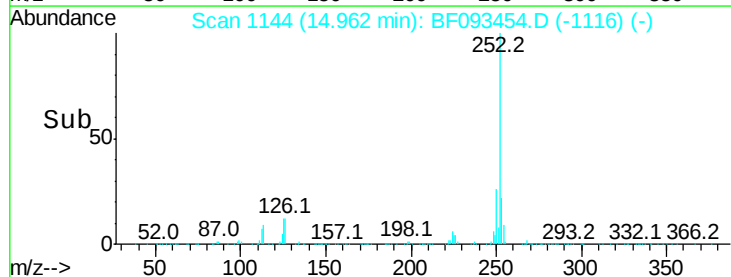
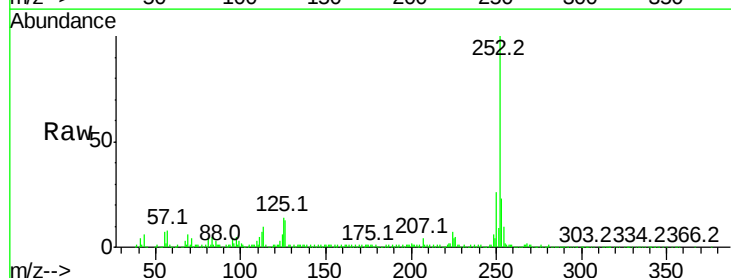
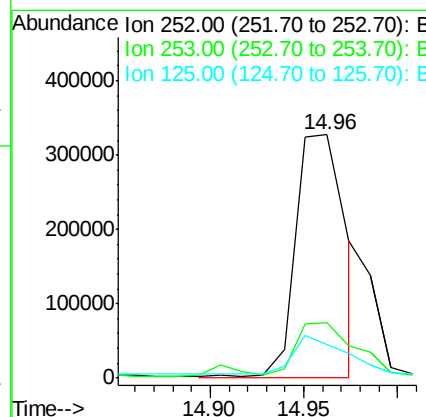
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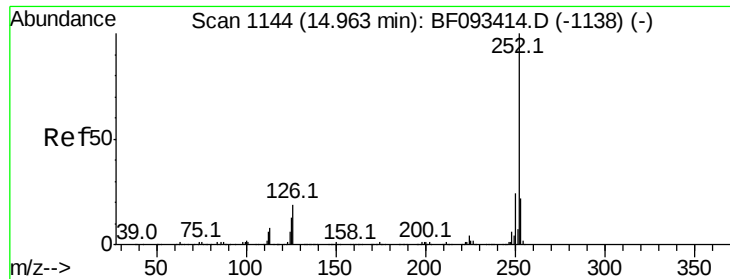
mohammad
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#87
Benzo(b)fluoranthene
Concen: 33.22 ng m
RT: 14.96 min Scan# 1144
Delta R.T. 0.02 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	13.8	9.8	14.6





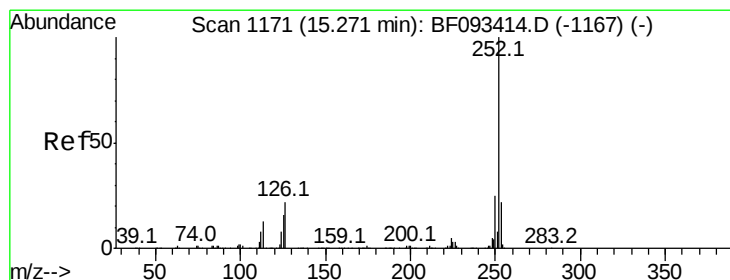
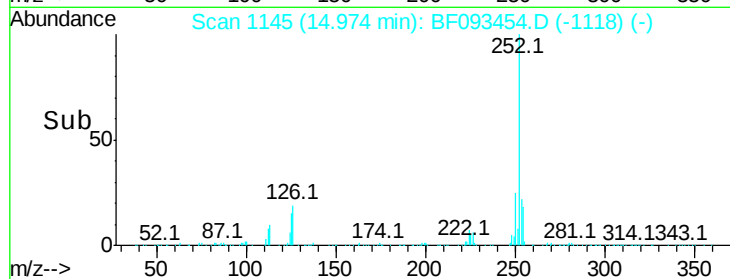
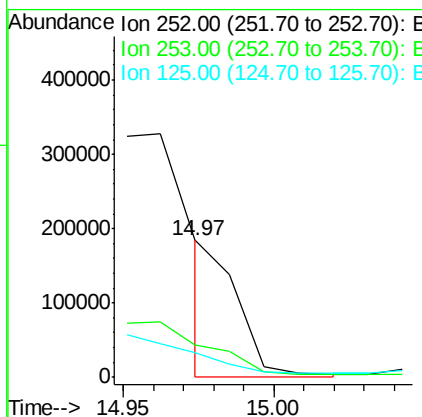
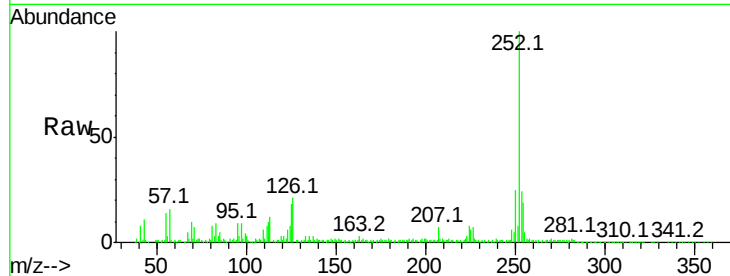
#88
Benzo(k)fluoranthene
Concen: 6.31 ng m
RT: 14.97 min Scan# 1145
Delta R.T. 0.01 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Instrument :
BNA_F
ClientSampleId :
POSTEX-31-20170306

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.5	27.7
125	18.0	8.9	13.3

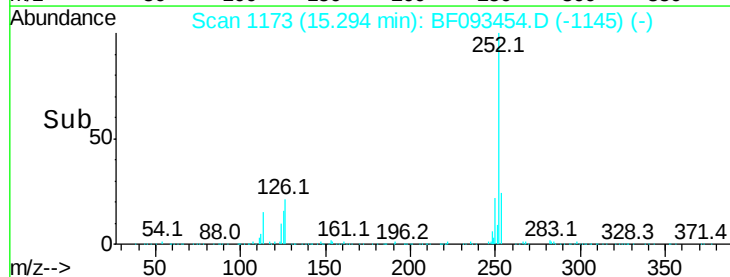
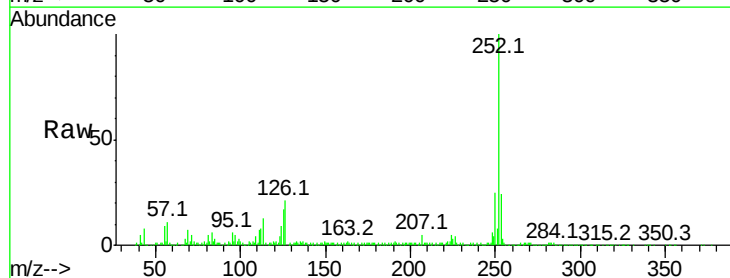
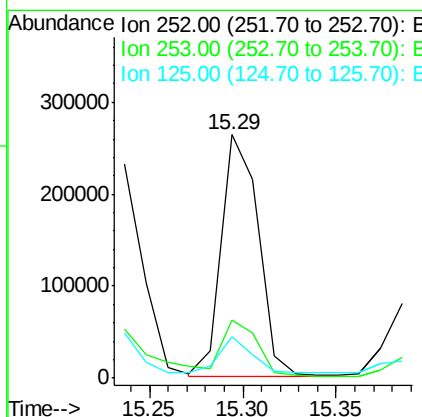
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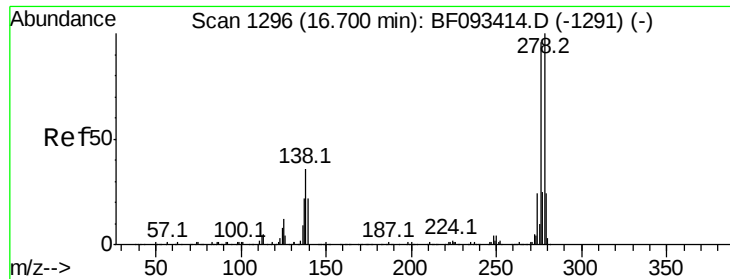
mohammad
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#89
Benzo(a)pyrene
Concen: 21.89 ng
RT: 15.29 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	17.3	10.0	15.0





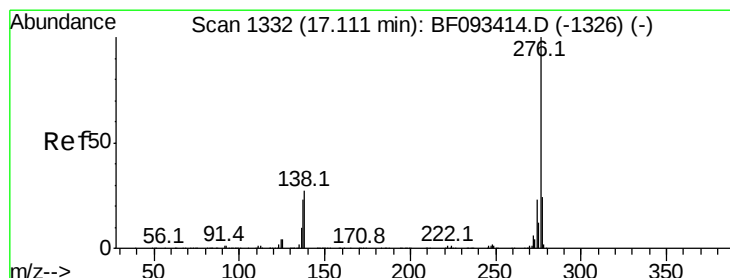
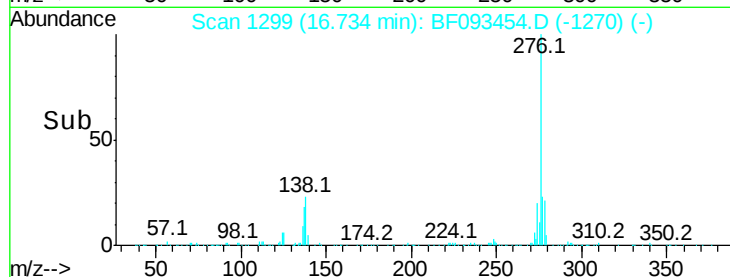
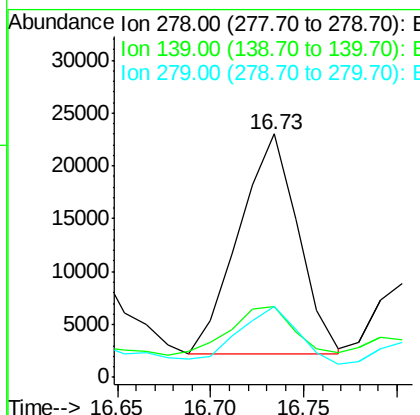
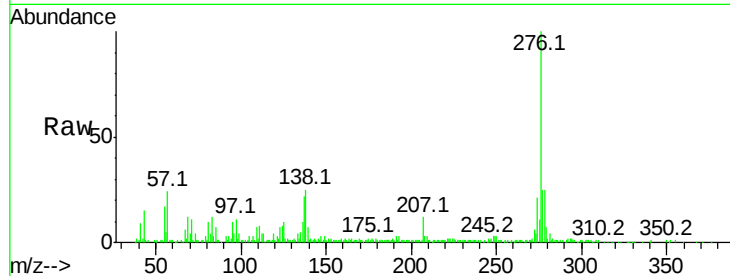
#90
Dibenzo(a,h)anthracene
Concen: 3.30 ng
RT: 16.73 min Scan# 1299
Delta R.T. 0.03 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Instrument :
BNA_F
ClientSampleId :
POSTEX-31-20170306

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.0	14.8	22.2#
279	29.0	19.8	29.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 11.75 ng
RT: 17.16 min Scan# 1336
Delta R.T. 0.05 min
Lab File: BF093454.D
Acq: 9 Mar 2017 3:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	26.4	16.0	24.0#

