

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092144.D
 Acq On : 9 Jan 2017 18:21
 Operator : UM/SJ
 Sample : I1050-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-28-20170105

Manual Integrations
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Quant Time: Jan 10 02:53:46 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	195871	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	710713	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	370560	20.00	ng	-0.01
63) Phenanthrene-d10	11.15	188	585416	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	365505	20.00	ng	-0.01
86) Perylene-d12	15.15	264	355538	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	1289530	109.93	ng	0.00
7) Phenol-d6	6.30	99	1384573	96.67	ng	-0.01
23) Nitrobenzene-d5	7.20	82	1021431	79.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	298037	97.19	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1372186	74.24	ng	-0.01
78) Terphenyl-d14	12.73	244	1147318	76.13	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.31	94	90290	5.53	ng	85
31) Naphthalene	7.93	128	128043	3.94	ng	99
49) Dimethylphthalate	9.40	163	168315	7.10	ng	99
51) Acenaphthene	9.69	154	127398	6.08	ng	99
54) Dibenzofuran	9.86	168	105707	3.74	ng	99
57) Fluorene	10.21	166	121582	5.91	ng	99
70) Phenanthrene	11.17	178	1160652	36.56	ng	98
71) Anthracene	11.23	178	368896	10.00	ng	97
72) Carbazole	11.39	167	151095	4.20	ng	97
74) Fluoranthene	12.36	202	1422941	51.66	ng	97
77) Pyrene	12.59	202	1350623	50.36	ng	98
80) Benzo(a)anthracene	13.76	228	649819	31.50	ng	98
82) Chrysene	13.80	228	461034m	22.28	ng	
83) Bis(2-ethylhexyl)phthalate	13.77	149	93441	6.51	ng	99
85) Indeno(1,2,3-cd)pyrene	16.41	276	329339	18.37	ng	98
87) Benzo(b)fluoranthene	14.78	252	725748m	32.79	ng	
88) Benzo(k)fluoranthene	14.79	252	111840m	5.93	ng	
89) Benzo(a)pyrene	15.09	252	457563	23.29	ng	97
90) Dibenzo(a,h)anthracene	16.41	278	84588m	5.24	ng	
91) Benzo(g,h,i)perylene	16.79	276	271689	16.18	ng	97

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

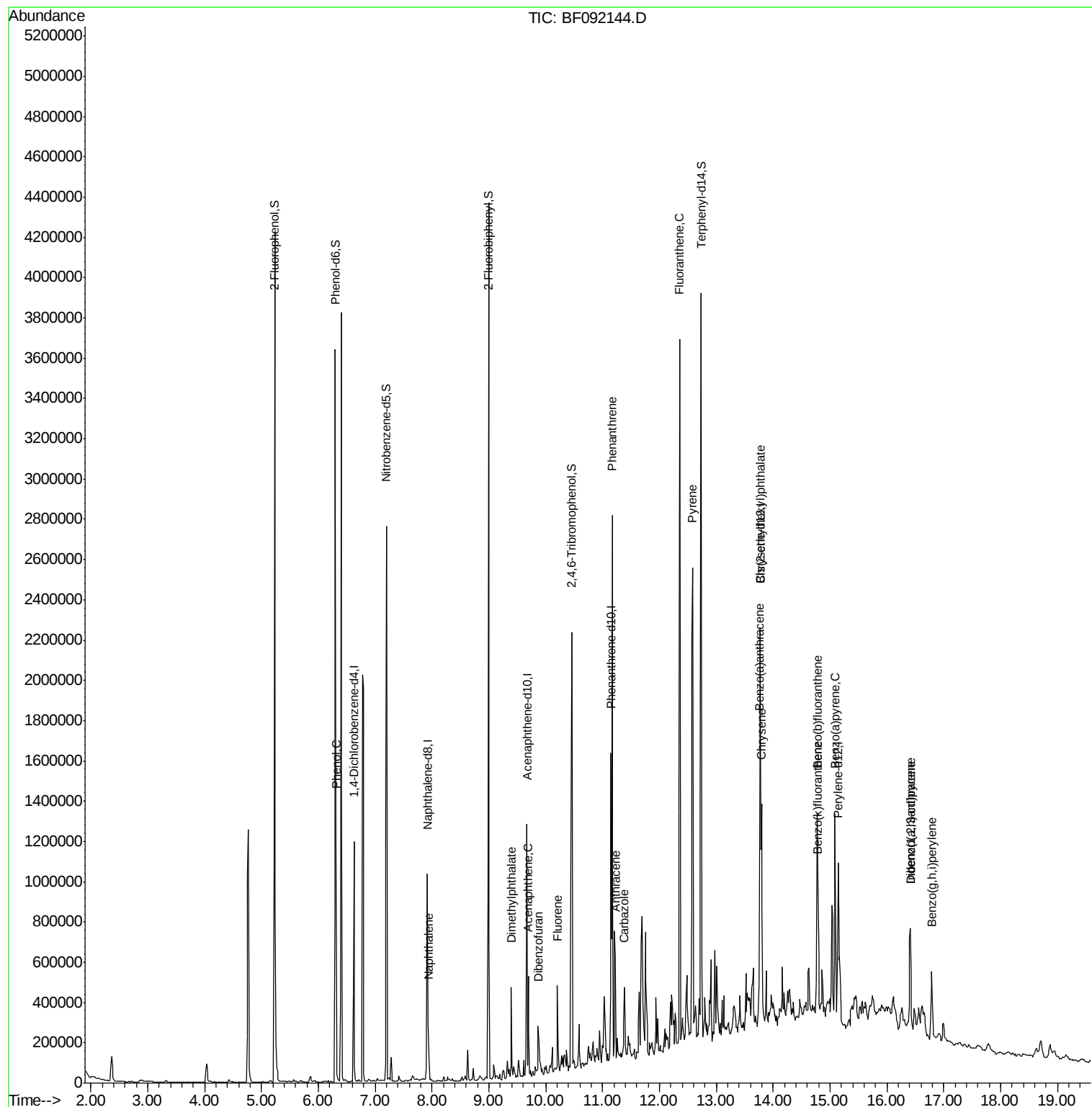
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
Data File : BF092144.D
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ALS Vial : 10 Sample Multiplier: 1

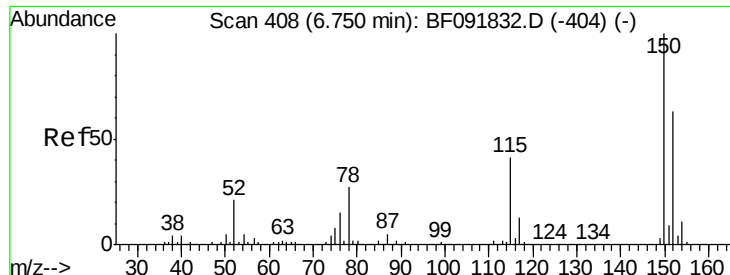
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
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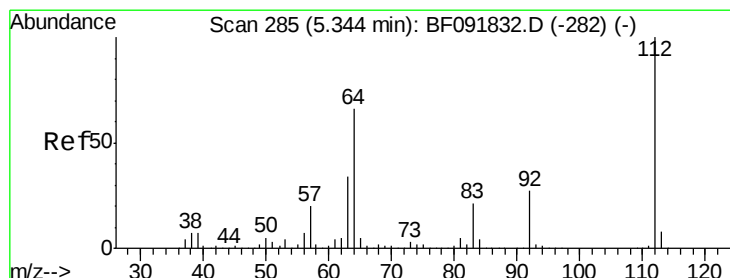
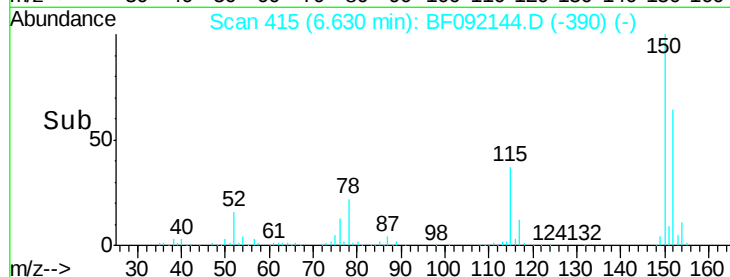
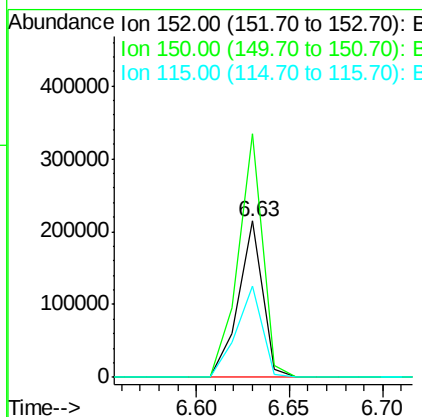
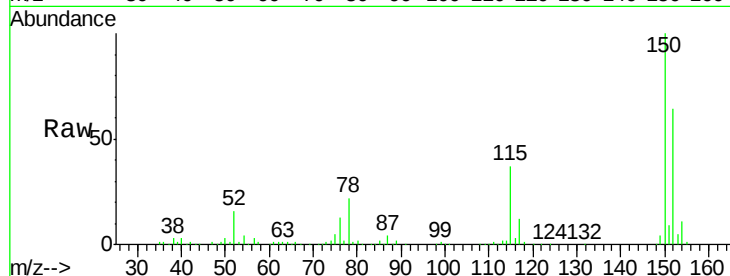
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.63 min Scan# 415
 Delta R.T. -0.01 min
 Lab File: BF092144.D
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.9	187.3
115	58.1	46.0	69.0

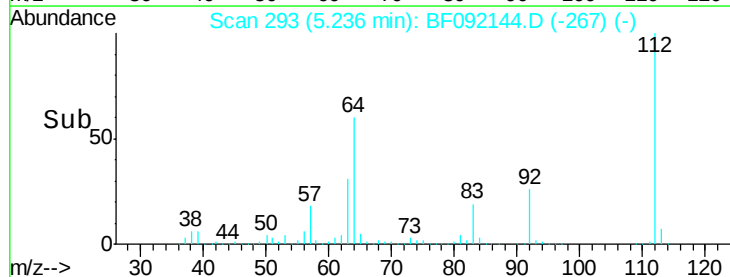
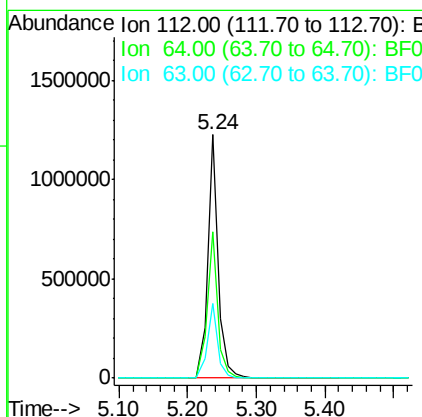
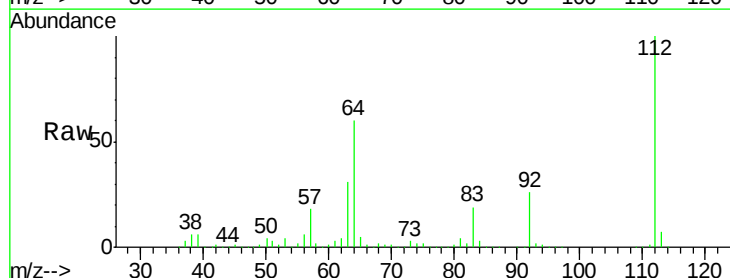
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#5
 2-Fluorophenol
 Concen: 109.93 ng
 RT: 5.24 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: BF092144.D
 Acq: 9 Jan 2017 18:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	46.1	69.1
63	30.6	23.8	35.6





#7

Phenol-d6

Concen: 96.67 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092144.D

Acq: 9 Jan 2017 18:21

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 99 Resp: 1384573

Ion Ratio Lower Upper

99 100

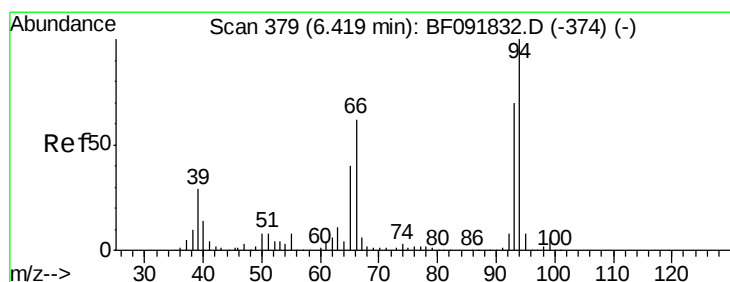
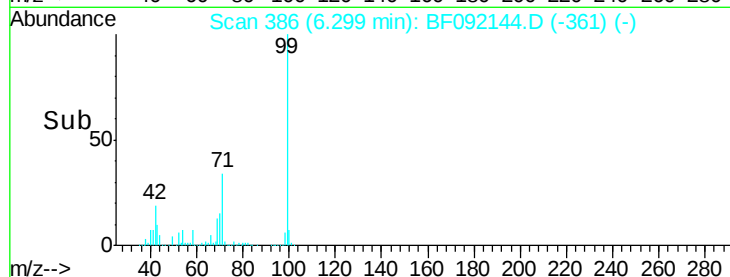
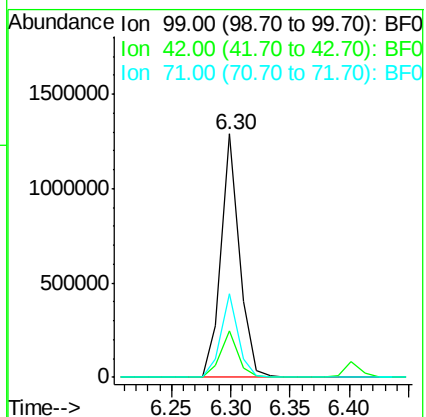
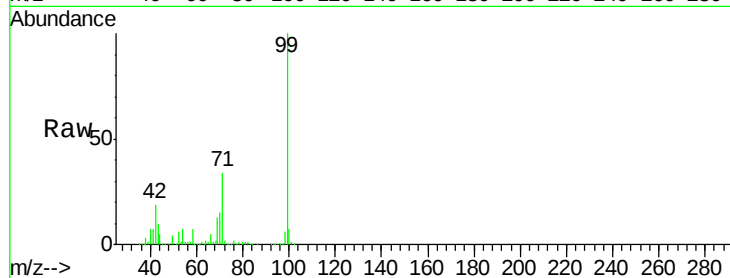
42 19.3 15.6 23.4

71 34.3 27.5 41.3

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#10

Phenol

Concen: 5.53 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF092144.D

Acq: 9 Jan 2017 18:21

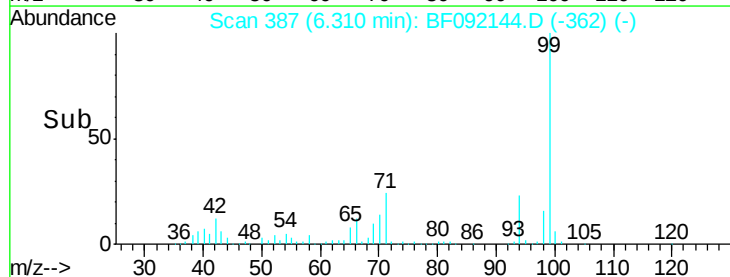
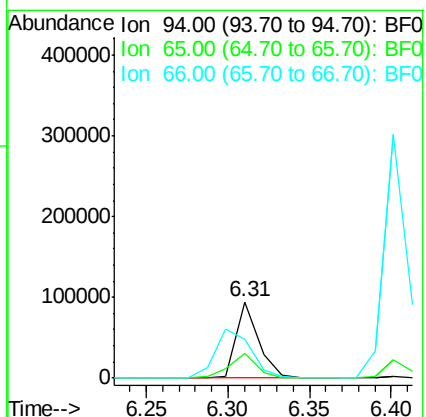
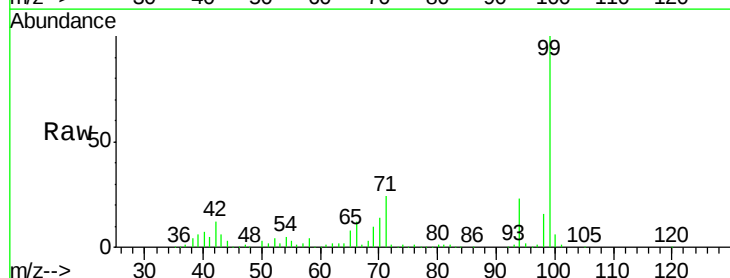
Tgt Ion: 94 Resp: 90290

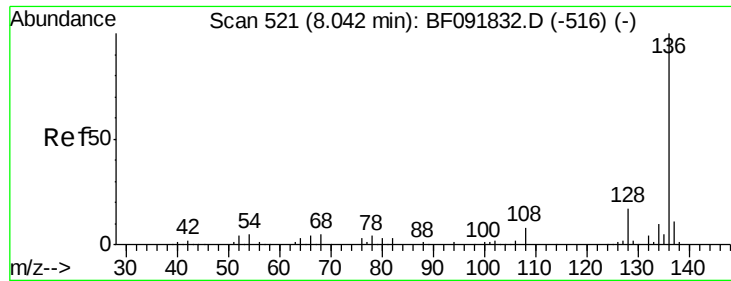
Ion Ratio Lower Upper

94 100

65 32.8 21.4 61.4

66 51.2 44.0 84.0





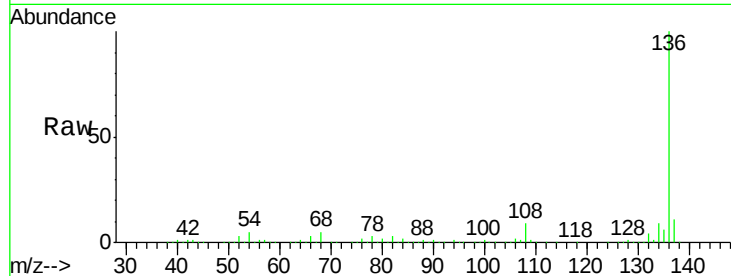
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.92 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Instrument :
BNA_F
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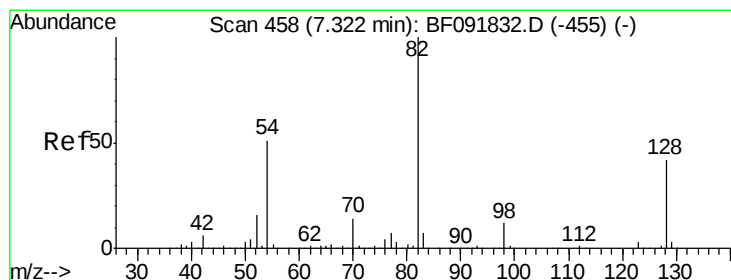
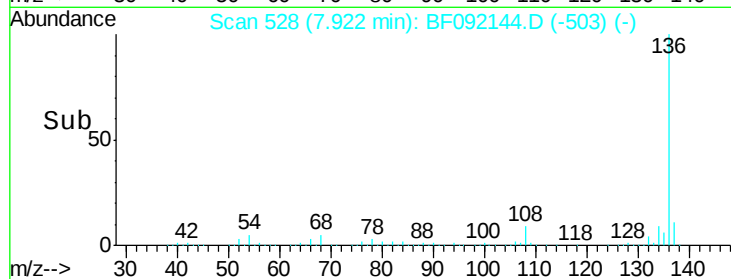
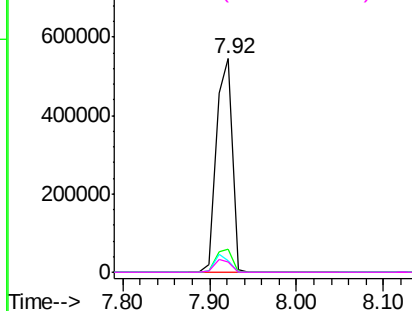
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		710713		
137	10.5	8.4	12.6		
54	5.2	4.5	6.7		
68	4.7	3.6	5.4		

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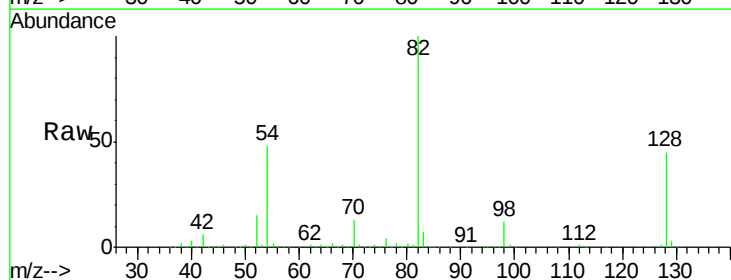


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

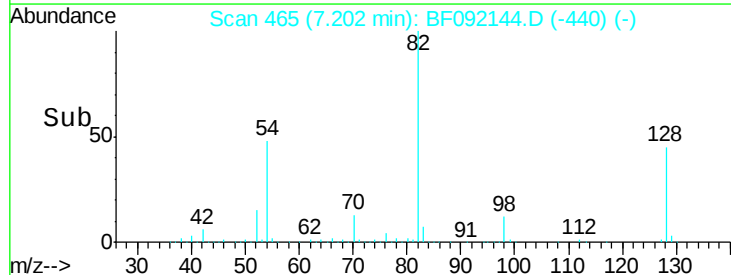
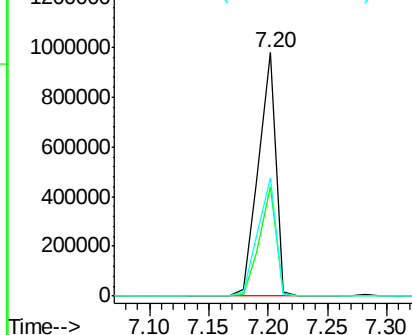


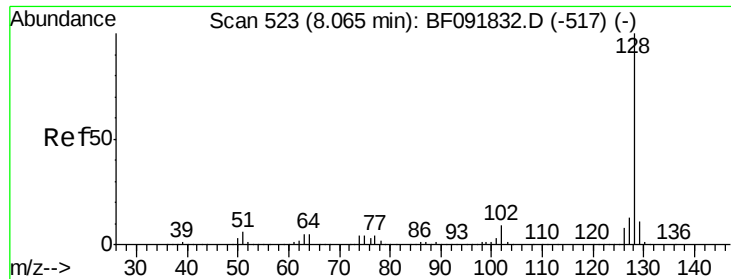
#23
Nitrobenzene-d5
Concen: 79.92 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1021431		
128	45.0	34.6	52.0		
54	48.4	39.5	59.3		



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





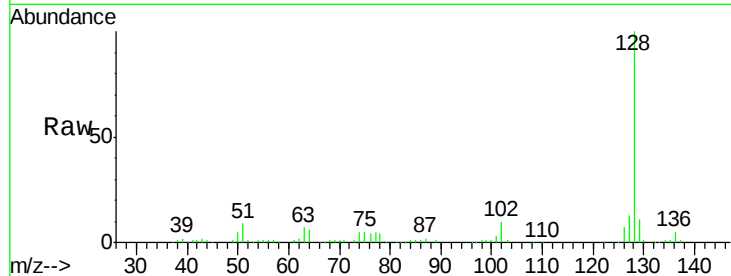
#31
Naphthalene
Concen: 3.94 ng
RT: 7.93 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Instrument :
BNA_F
ClientSampleId :
POSTEX-28-20170105

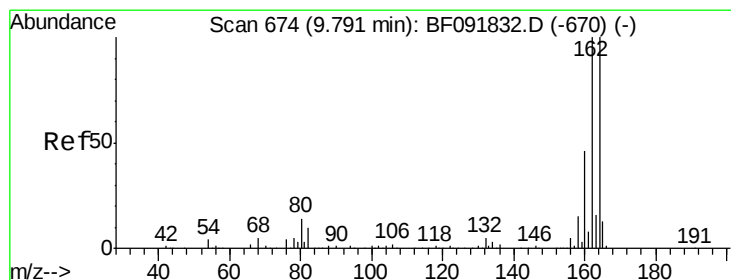
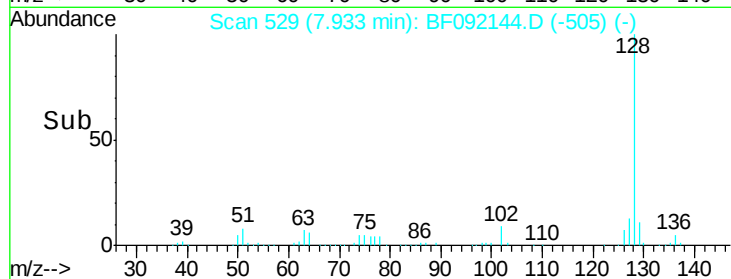
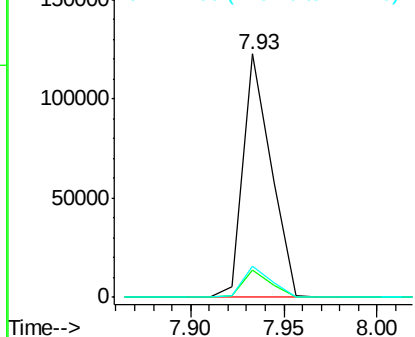
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.5	14.3
127	12.8	10.8	16.2

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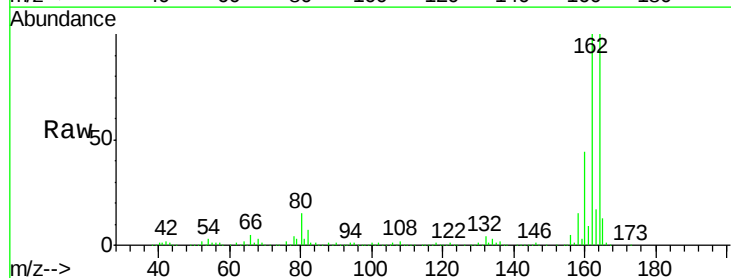


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

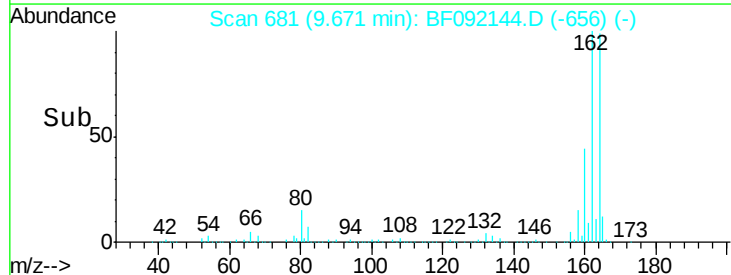
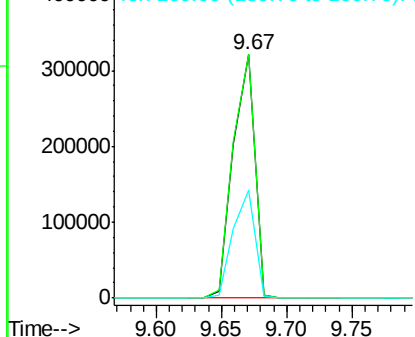


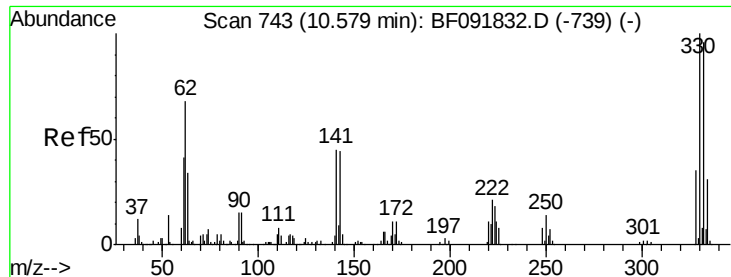
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.2	120.2
160	44.2	36.9	55.3



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





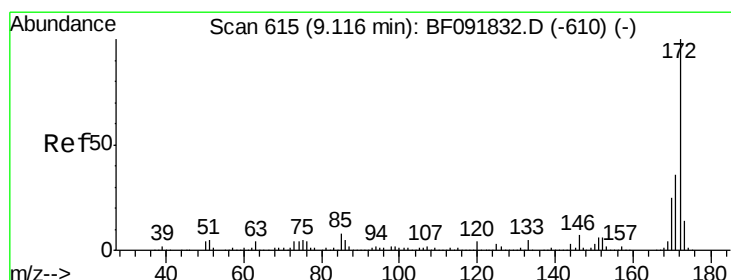
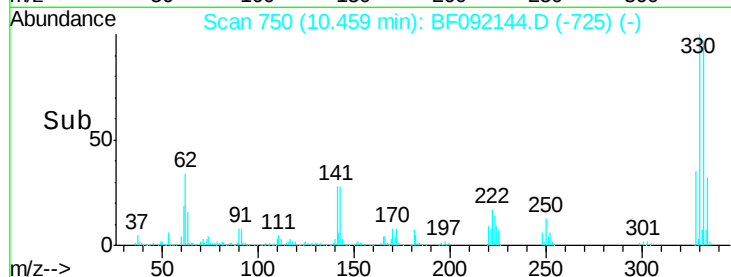
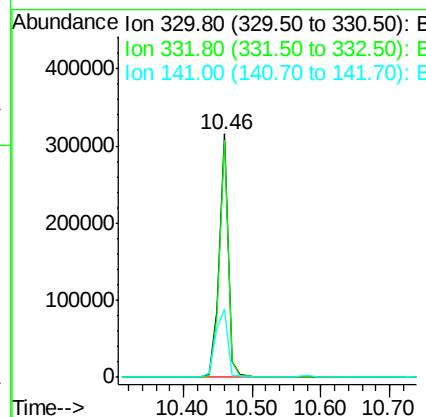
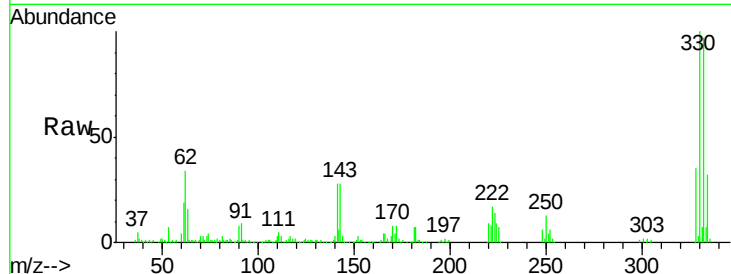
#41
 2,4,6-Tribromophenol
 Concen: 97.19 ng
 RT: 10.46 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF092144.D
 Acq: 9 Jan 2017 18:21

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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	298037		
332	96.1		77.4	116.2
141	37.2		34.1	51.1

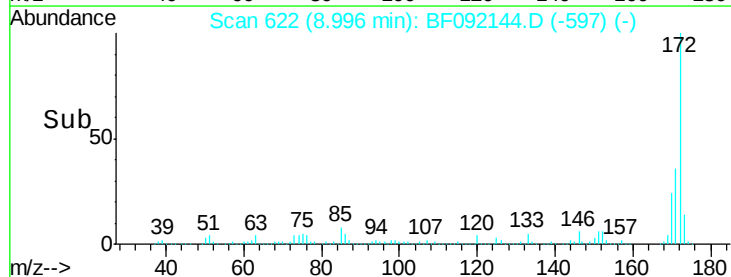
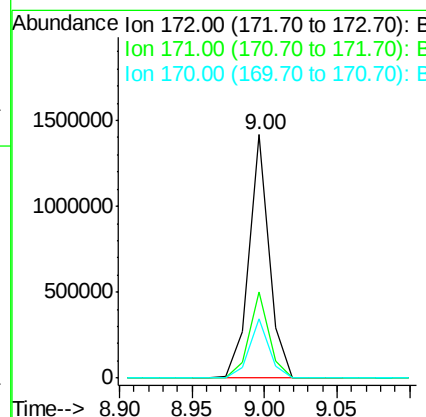
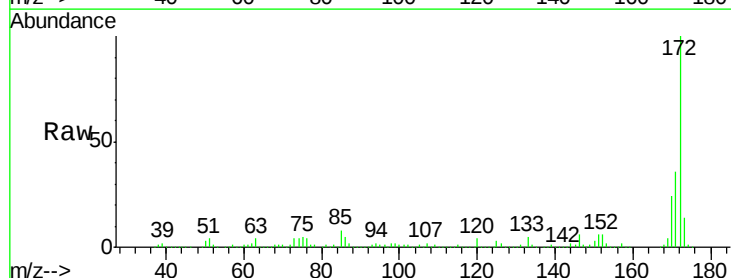
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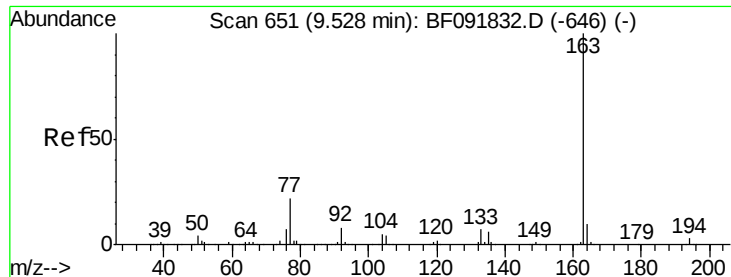
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#44
 2-Fluorobiphenyl
 Concen: 74.24 ng
 RT: 9.00 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF092144.D
 Acq: 9 Jan 2017 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1372186		
171	35.6		29.4	44.0
170	24.1		20.2	30.4





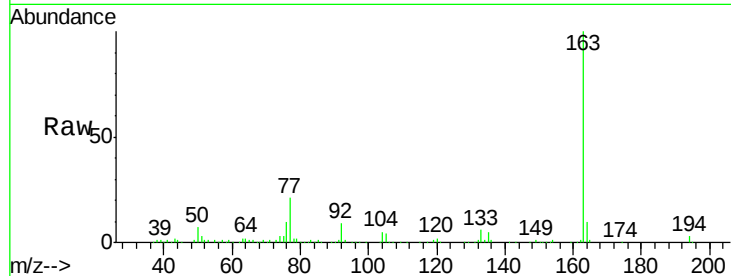
#49
Dimethylphthalate
Concen: 7.10 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Instrument :
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ClientSampleId :
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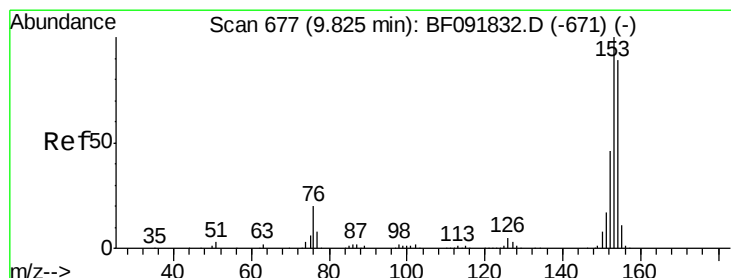
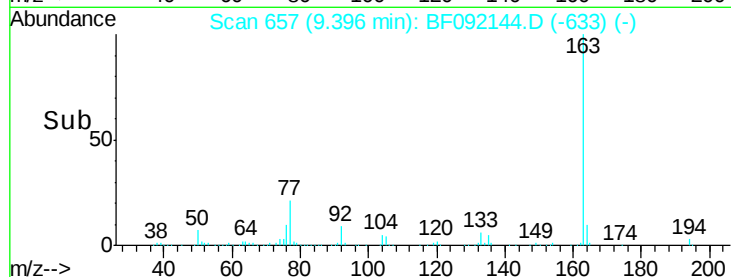
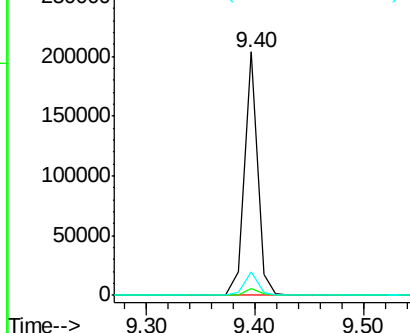
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.0	3.0	4.4
164	9.6	8.0	12.0

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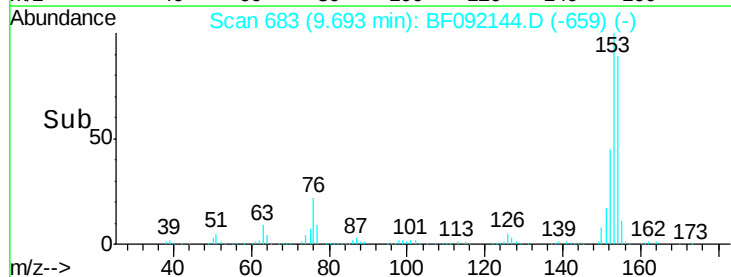
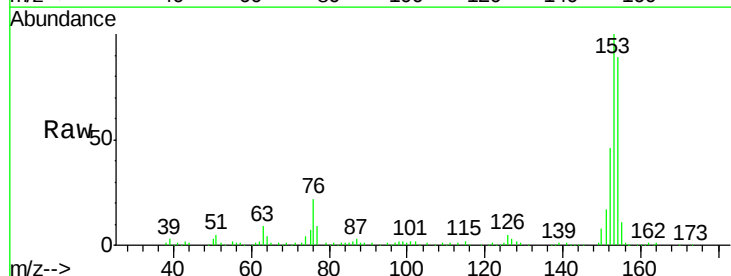
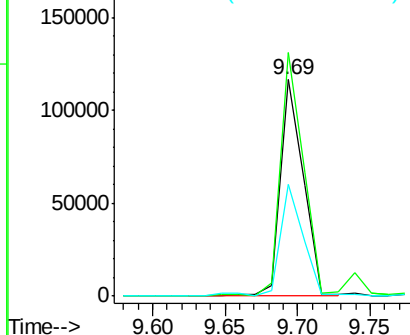
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

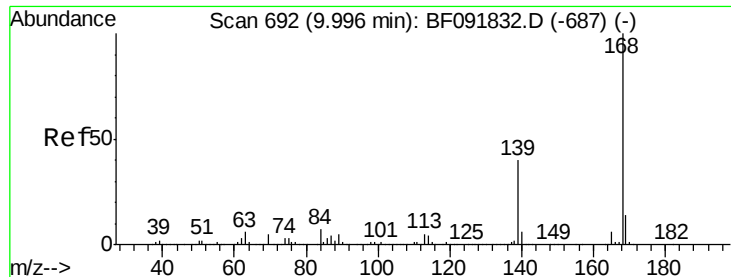


#51
Acenaphthene
Concen: 6.08 ng
RT: 9.69 min Scan# 683
Delta R.T. -0.02 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	112.5	88.6	133.0
152	51.5	41.6	62.4

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





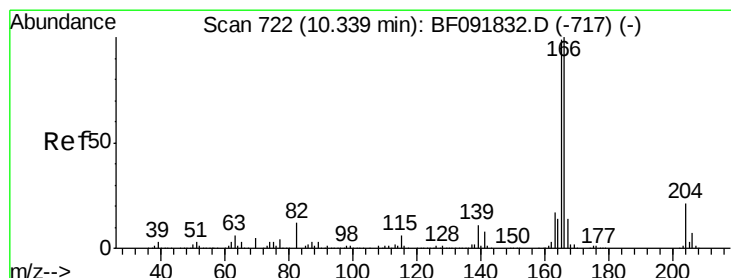
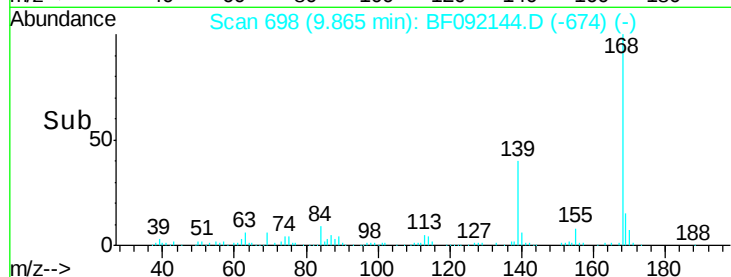
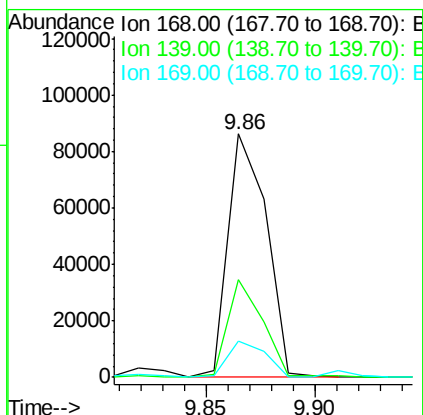
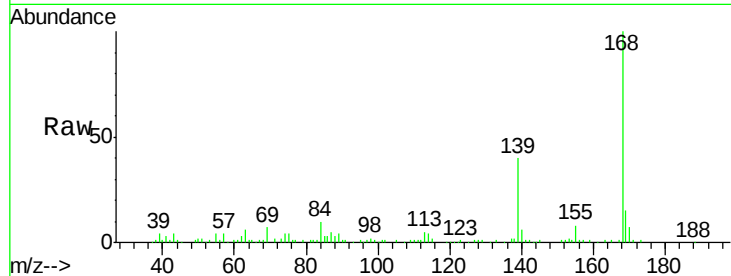
#54
Dibenzofuran
Concen: 3.74 ng
RT: 9.86 min Scan# 698
Delta R.T. -0.02 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.9	32.6	49.0
169	14.7	11.3	16.9

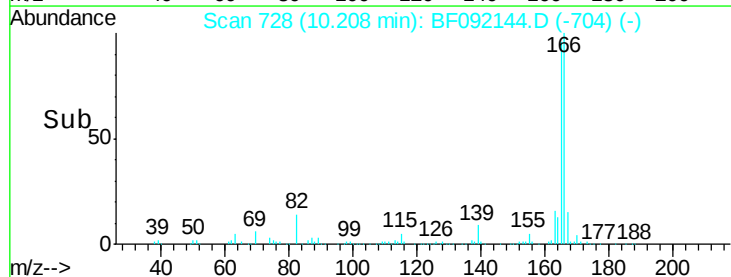
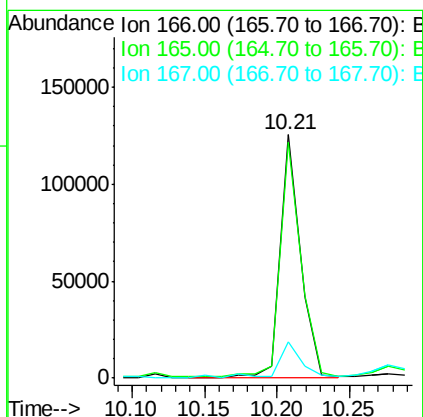
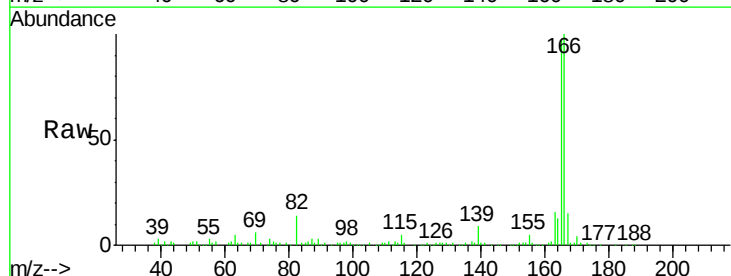
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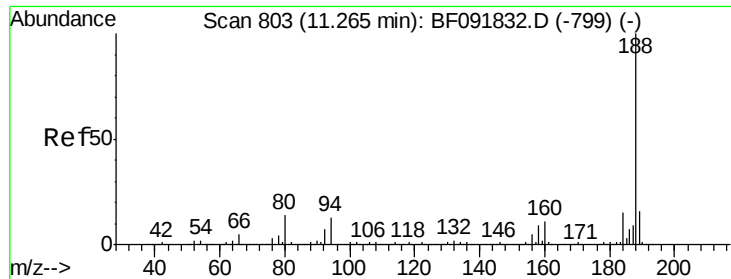
Sohil
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#57
Fluorene
Concen: 5.91 ng
RT: 10.21 min Scan# 728
Delta R.T. -0.02 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	77.8	116.8
167	14.8	10.8	16.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 810

Delta R.T. -0.01 min

Lab File: BF092144.D

Acq: 9 Jan 2017 18:21

Instrument :

BNA_F

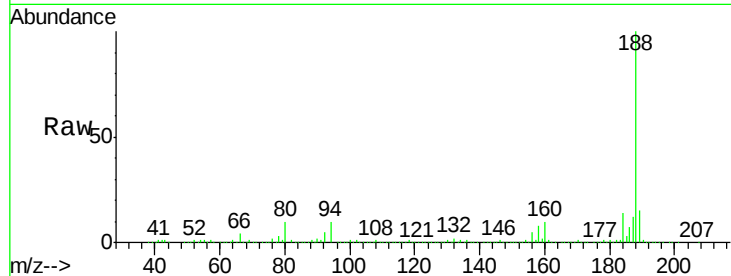
ClientSampleId :

POSTEX-28-20170105

Tgt Ion:	188	Resp:	585416
Ion Ratio	Lower	Upper	
188	100		
94	9.8	10.0	15.0#
80	10.3	11.2	16.8#

Manual Integrations
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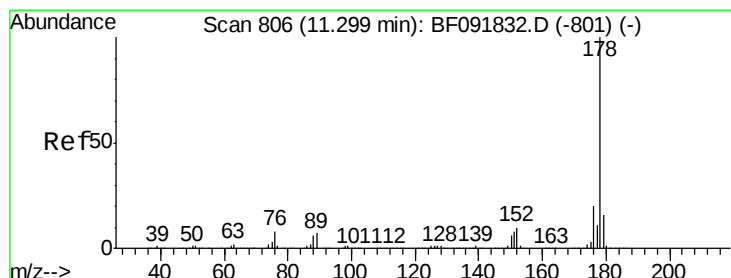
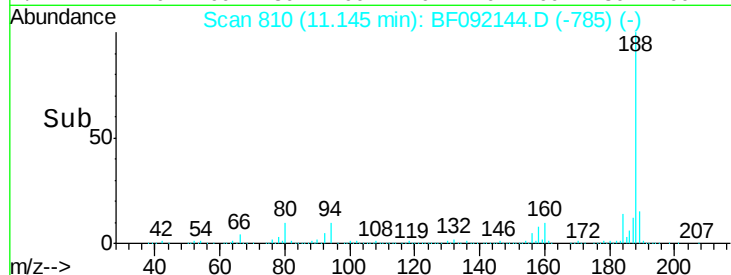
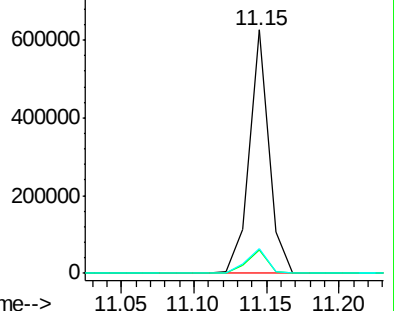
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 36.56 ng

RT: 11.17 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF092144.D

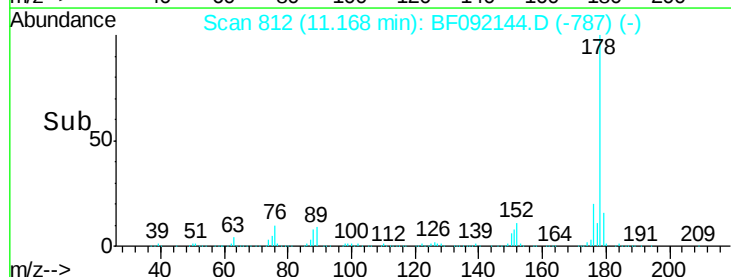
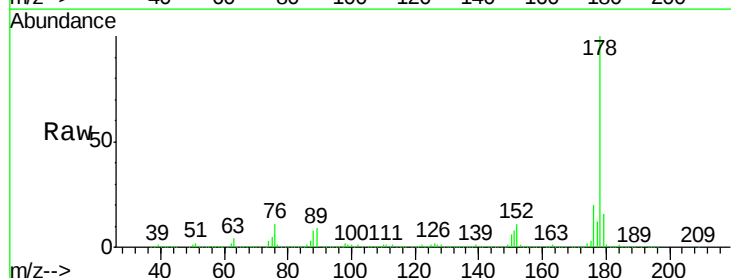
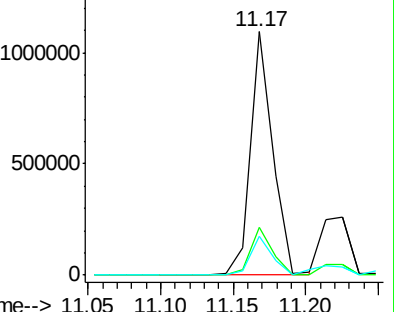
Acq: 9 Jan 2017 18:21

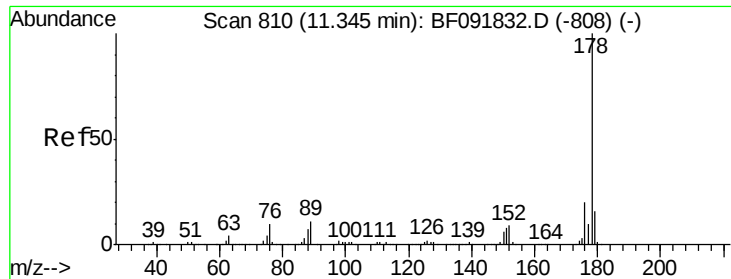
Tgt Ion:	178	Resp:	1160652
Ion Ratio	Lower	Upper	
178	100		
176	19.5	16.6	25.0
179	16.0	12.8	19.2

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





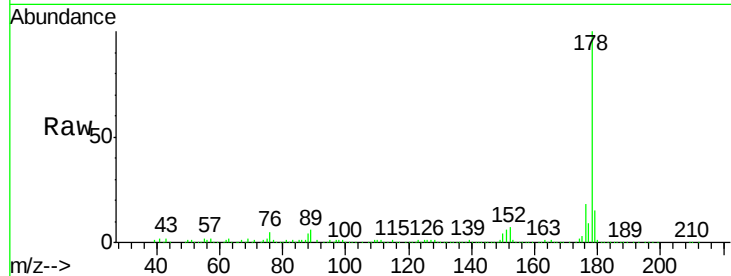
#71
 Anthracene
 Concen: 10.00 ng
 RT: 11.23 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF092144.D
 Acq: 9 Jan 2017 18:21

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-28-20170105

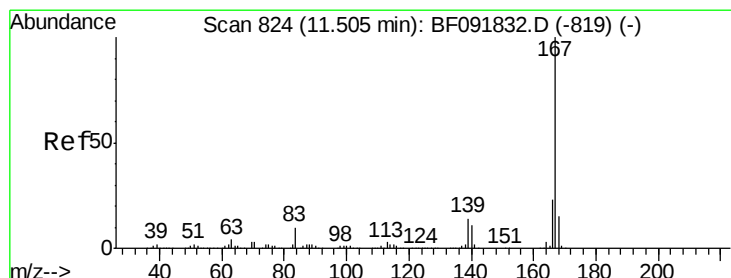
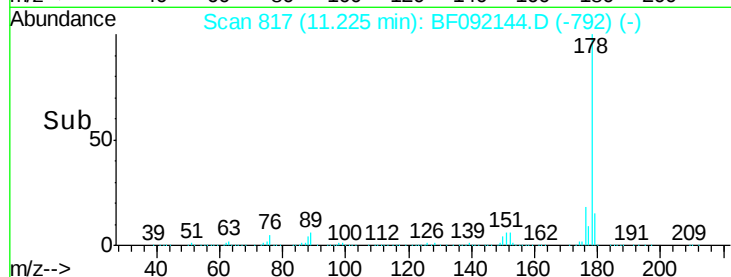
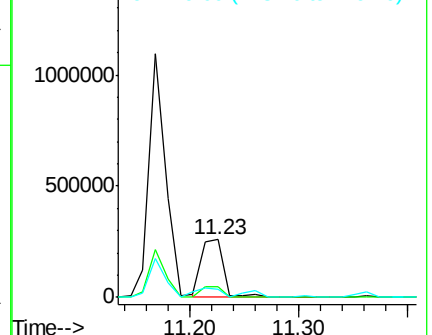
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	15.0	13.2	19.8

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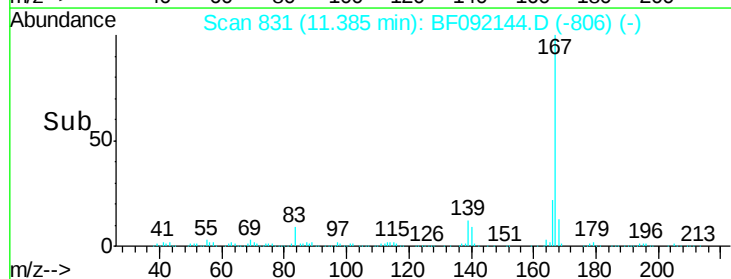
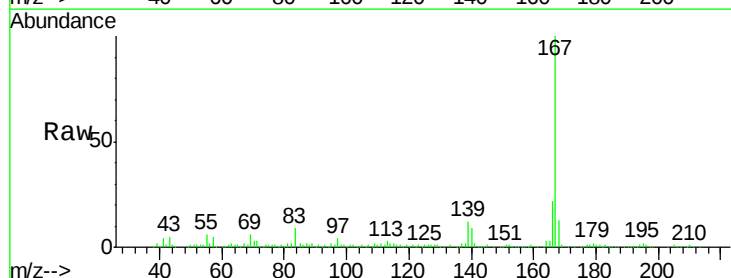
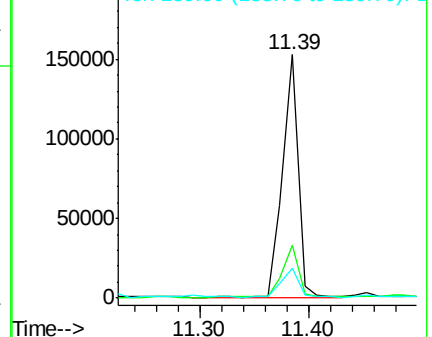
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

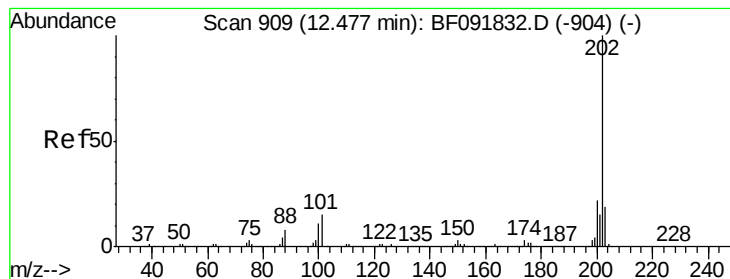


#72
 Carbazole
 Concen: 4.20 ng
 RT: 11.39 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: BF092144.D
 Acq: 9 Jan 2017 18:21

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.2	27.2
139	12.5	11.4	17.2

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: 51.66 ng

RT: 12.36 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF092144.D

Acq: 9 Jan 2017 18:21

Instrument :

BNA_F

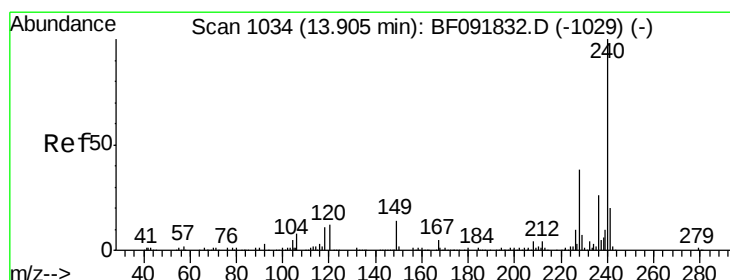
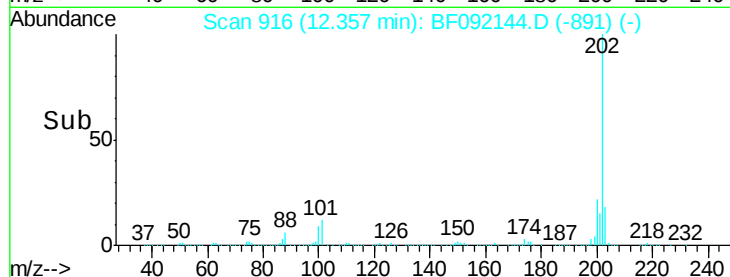
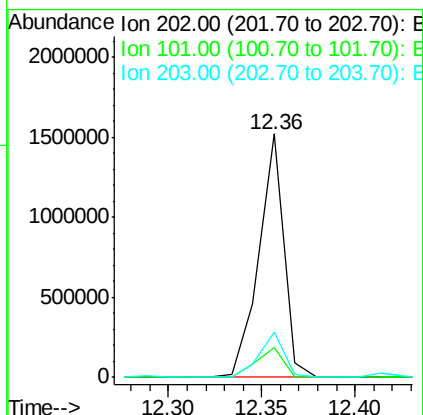
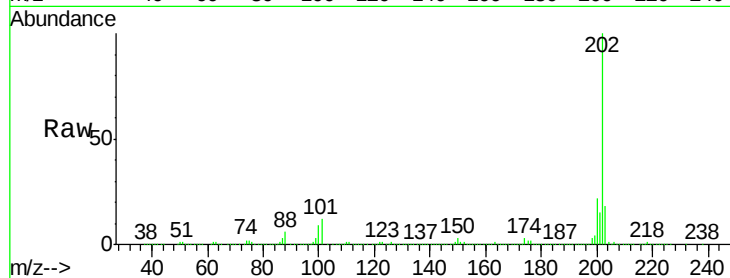
ClientSampleId :

POSTEX-28-20170105

Tgt Ion:	202	Resp:	1422941
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.6
203	18.4	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

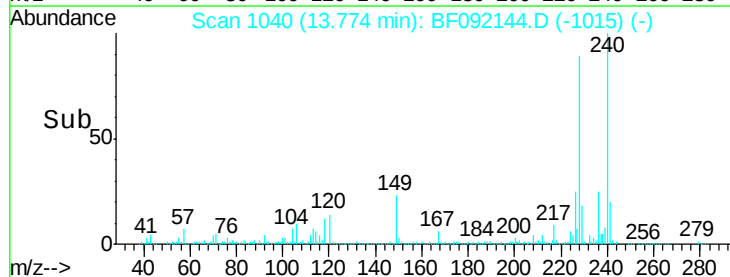
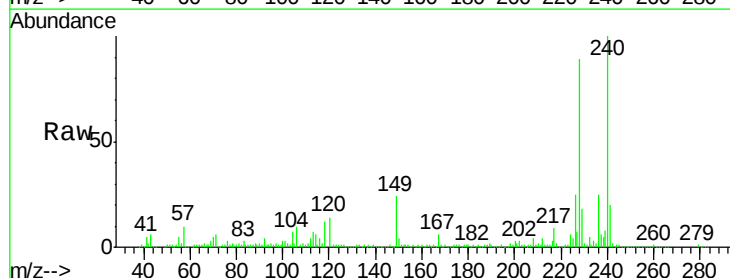
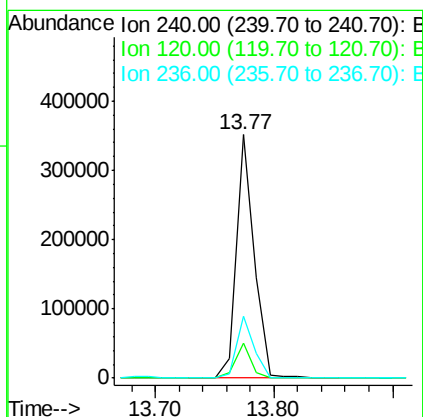
RT: 13.77 min Scan# 1040

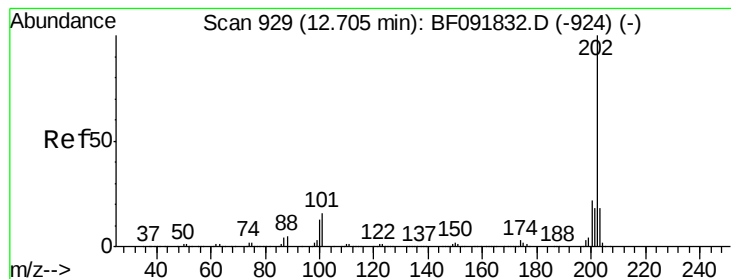
Delta R.T. -0.01 min

Lab File: BF092144.D

Acq: 9 Jan 2017 18:21

Tgt Ion:	240	Resp:	365505
Ion Ratio	Lower	Upper	
240	100		
120	14.2	12.9	19.3
236	25.5	20.9	31.3





#77

Pyrene

Concen: 50.36 ng

RT: 12.59 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF092144.D

Acq: 9 Jan 2017 18:21

Instrument :

BNA_F

ClientSampleId :

POSTEX-28-20170105

Tgt Ion:202 Resp: 1350623

Ion Ratio Lower Upper

202 100

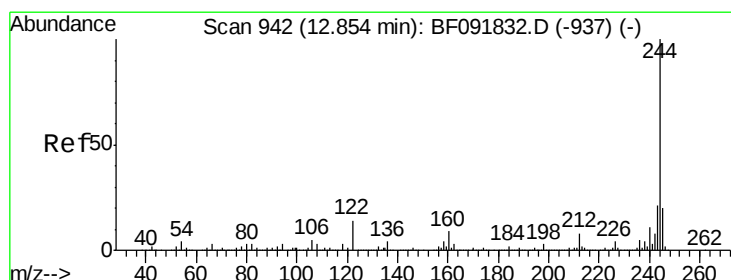
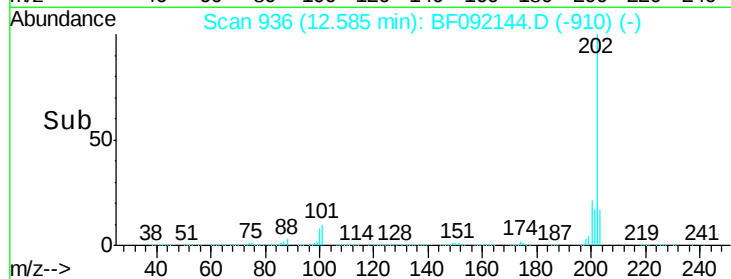
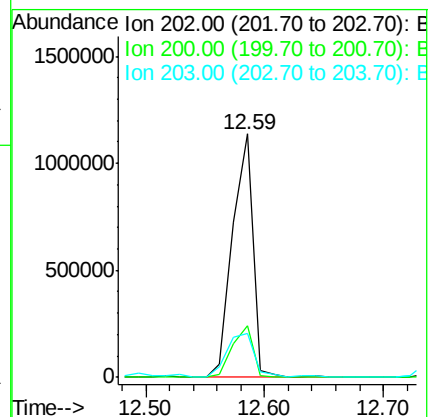
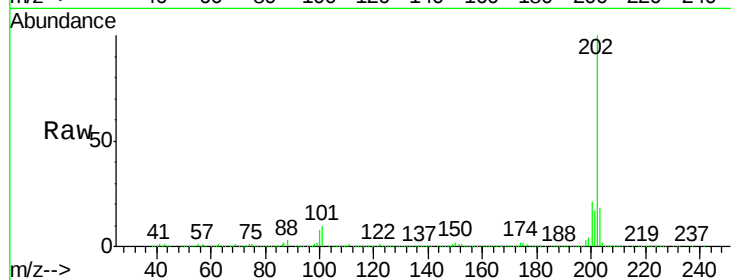
200 21.2 17.7 26.5

203 17.9 14.7 22.1

Manual Integrations
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#78

Terphenyl-d14

Concen: 76.13 ng

RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF092144.D

Acq: 9 Jan 2017 18:21

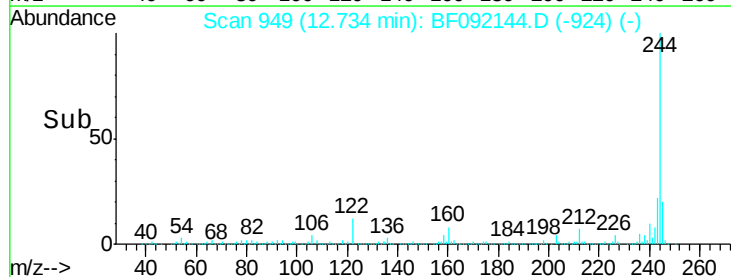
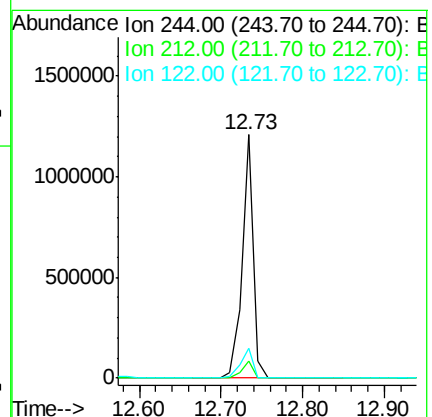
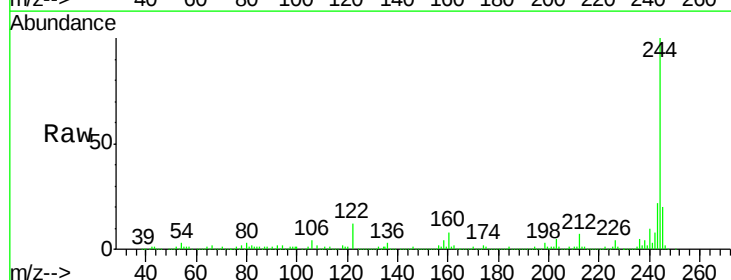
Tgt Ion:244 Resp: 1147318

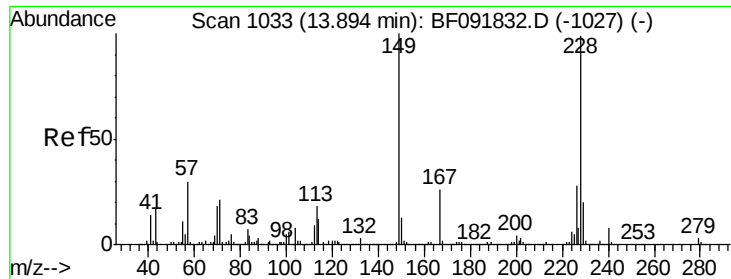
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 12.1 11.4 17.2





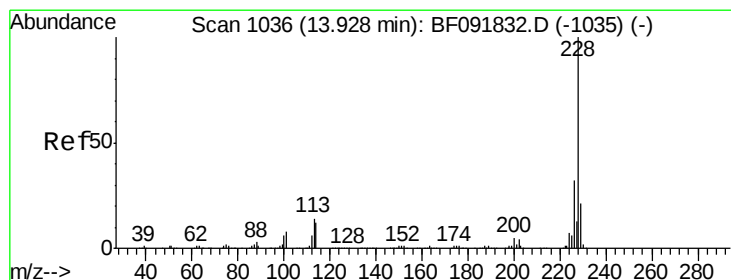
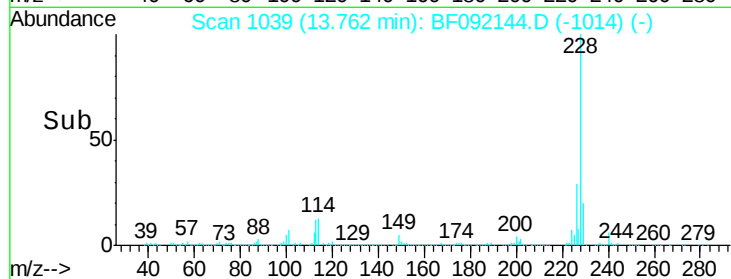
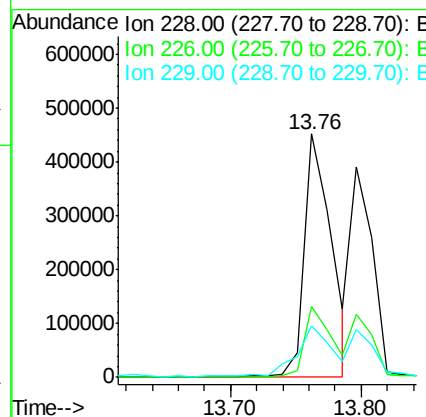
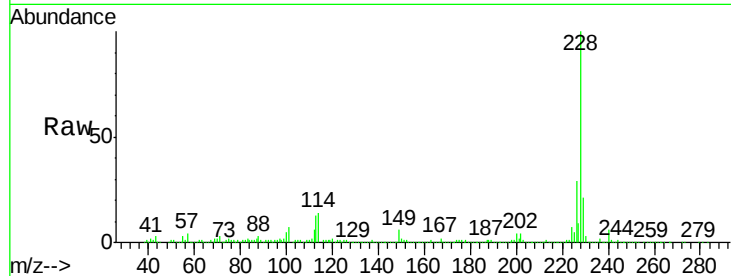
#80
Benzo(a)anthracene
Concen: 31.50 ng
RT: 13.76 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Instrument :
BNA_F
ClientSampleId :
POSTEX-28-20170105

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.4	33.6
229	21.3	16.2	24.4

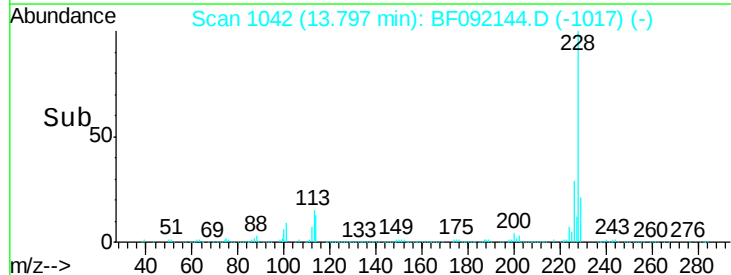
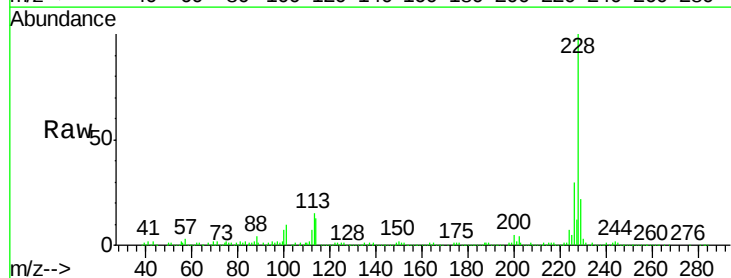
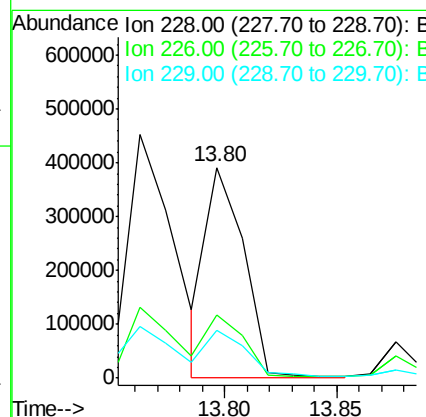
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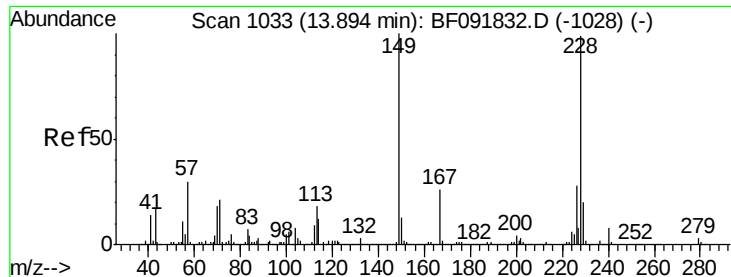
Sohil
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#82
Chrysene
Concen: 22.28 ng m
RT: 13.80 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.0
229	22.4	16.2	24.2





#83

Bis(2-ethylhexyl)phthalate

Concen: 6.51 ng

RT: 13.77 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF092144.D

Acq: 9 Jan 2017 18:21

Instrument :

BNA_F

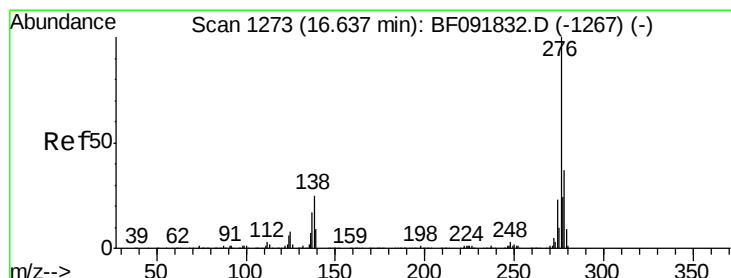
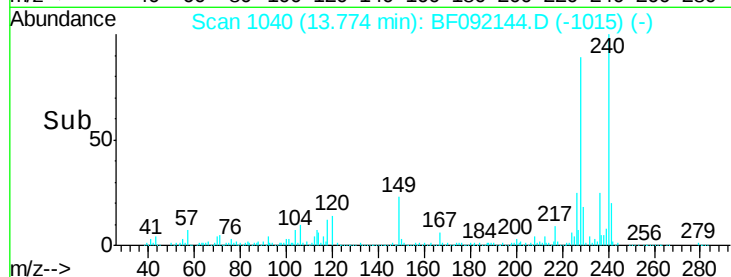
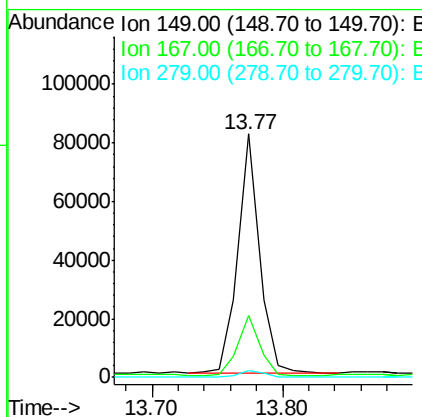
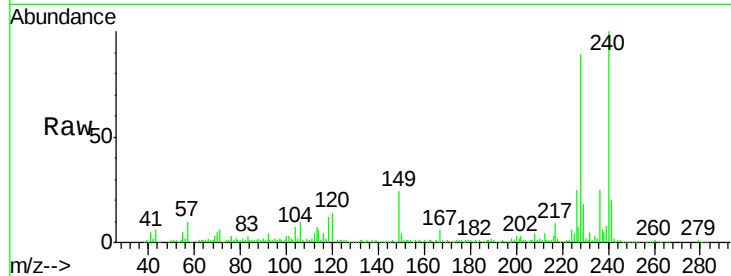
ClientSampleId :

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Tgt Ion:	149	Resp:	93441
Ion Ratio	Lower	Upper	
149	100		
167	25.6	20.2	30.4
279	2.6	1.8	2.8

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 18.37 ng

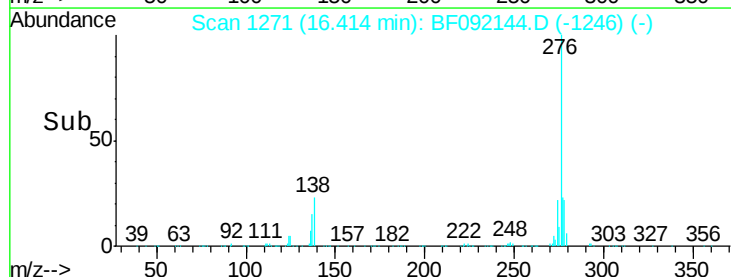
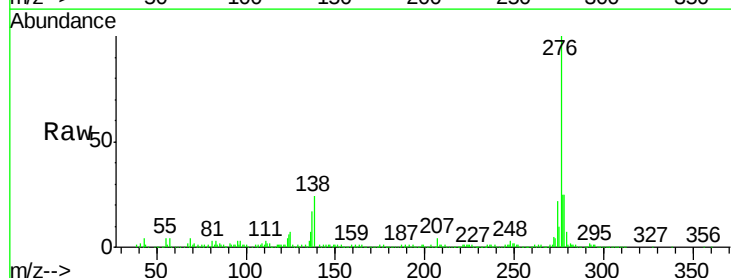
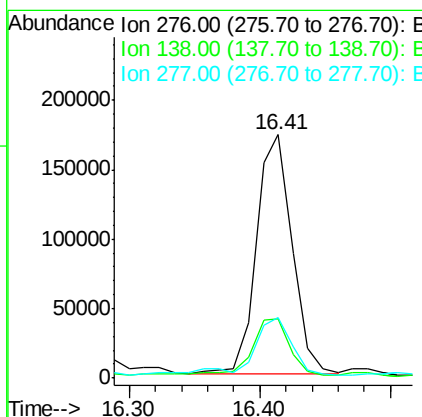
RT: 16.41 min Scan# 1271

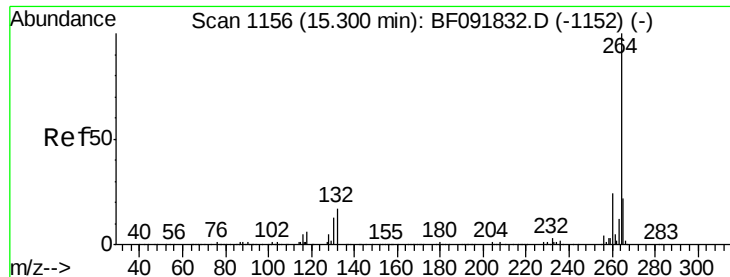
Delta R.T. -0.01 min

Lab File: BF092144.D

Acq: 9 Jan 2017 18:21

Tgt Ion:	276	Resp:	329339
Ion Ratio	Lower	Upper	
276	100		
138	26.8	21.8	32.6
277	27.5	20.2	30.4





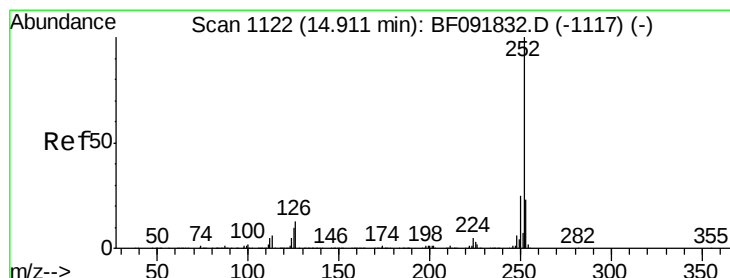
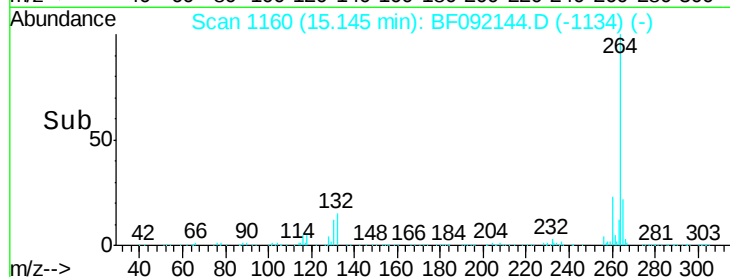
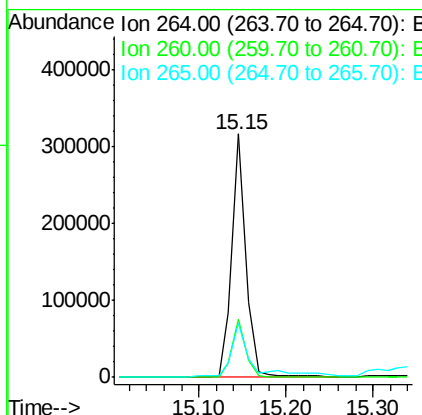
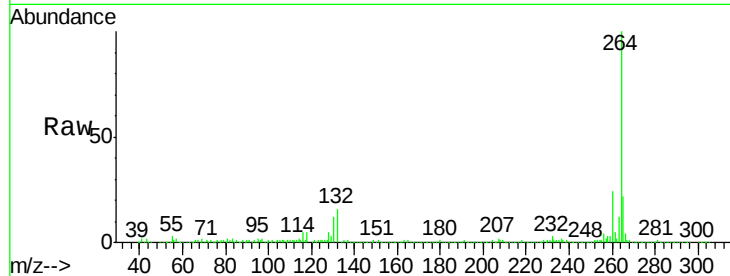
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Instrument :
BNA_F
ClientSampleId :
POSTEX-28-20170105

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.0	17.4	26.0

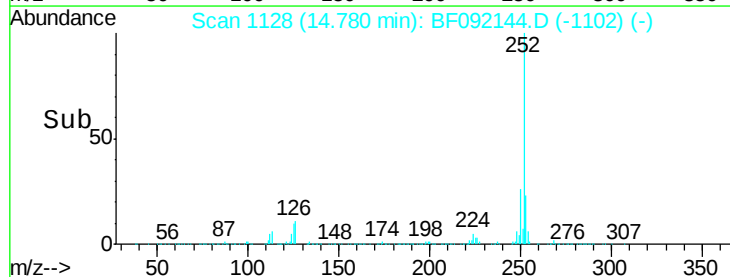
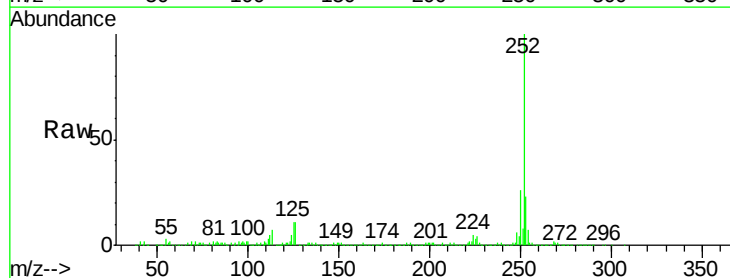
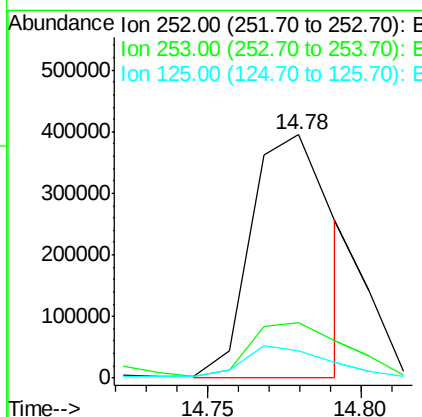
Manual Integrations
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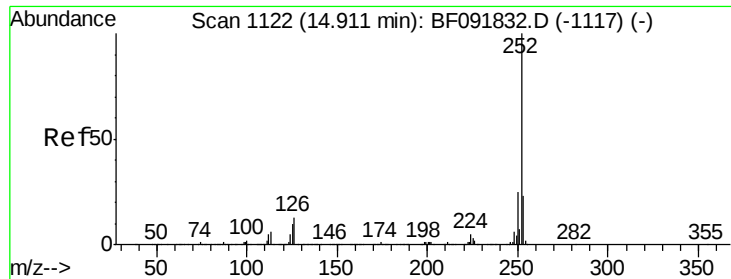
Sohil
1/10/2017 10:01:17 AM



#87
Benzo(b)fluoranthene
Concen: 32.79 ng m
RT: 14.78 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	11.1	9.8	14.6





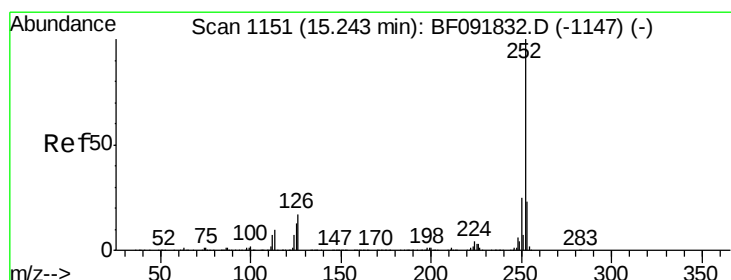
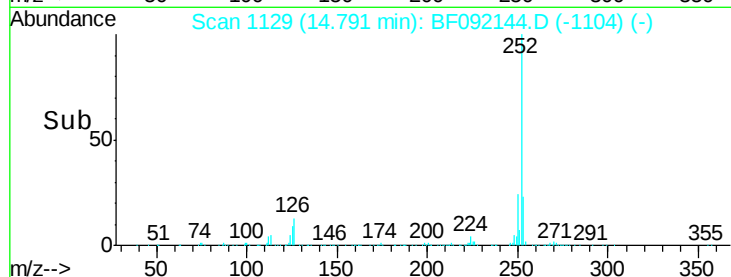
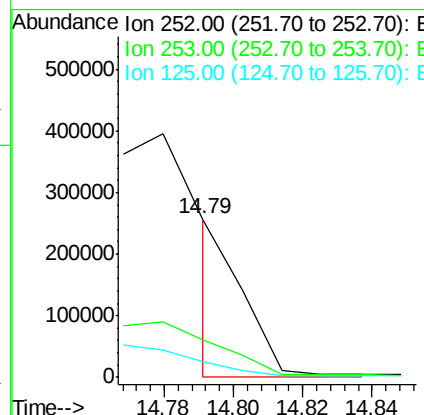
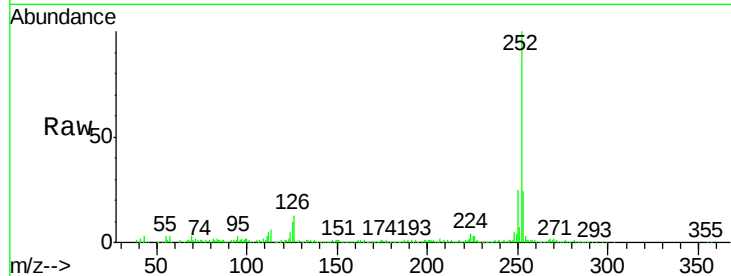
#88
Benzo(k)fluoranthene
Concen: 5.93 ng m
RT: 14.79 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Instrument :
BNA_F
ClientSampleId :
POSTEX-28-20170105

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	9.9	8.9	13.3

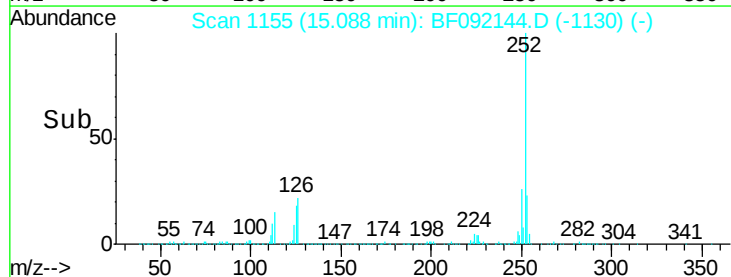
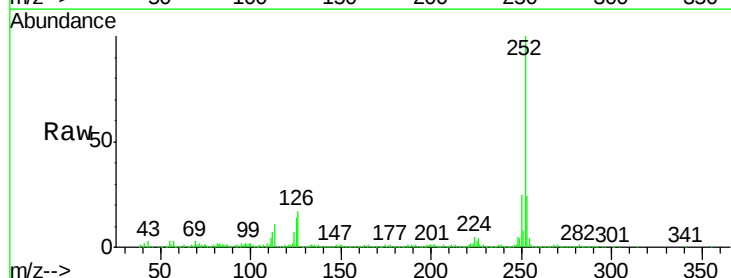
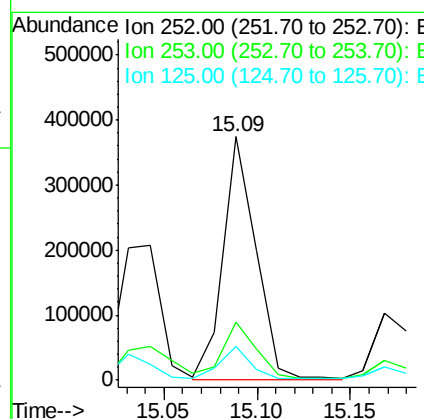
Manual Integrations
APPROVED

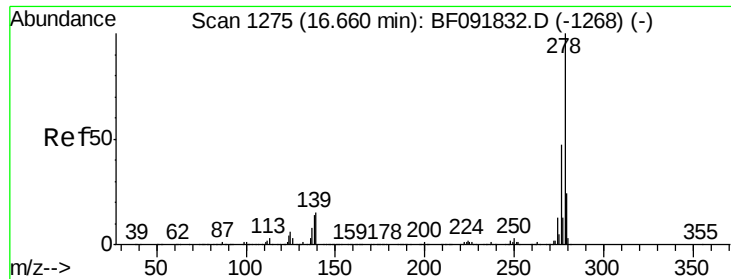
Sohil
1/10/2017 10:01:17 AM



#89
Benzo(a)pyrene
Concen: 23.29 ng
RT: 15.09 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	13.9	10.0	15.0





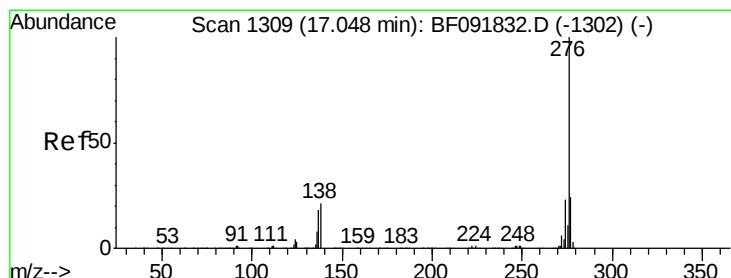
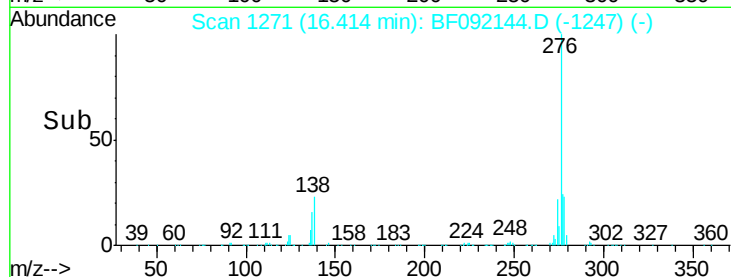
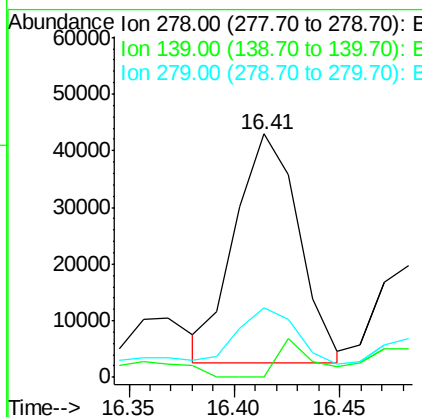
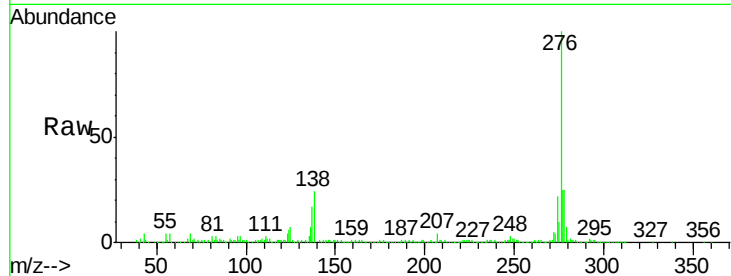
#90
Dibenzo(a,h)anthracene
Concen: 5.24 ng m
RT: 16.41 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Instrument :
BNA_F
ClientSampleId :
POSTEX-28-20170105

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	28.6	19.8	29.6

Manual Integrations
APPROVED

Sohil
1/10/2017 10:01:17 AM



#91
Benzo(g,h,i)perylene
Concen: 16.18 ng
RT: 16.79 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF092144.D
Acq: 9 Jan 2017 18:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	22.9	16.0	24.0

