

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
 Data File : BF089708.D
 Acq On : 10 Aug 2016 21:44
 Operator : UM/SJ
 Sample : H4400-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1-DEL1(66)

Manual Integrations
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Quant Time: Aug 11 02:07:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 11 01:52:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	48547	20.00	ng	0.00
21) Naphthalene-d8	9.43	136	204537	20.00	ng	-0.01
38) Acenaphthene-d10	12.25	164	92947	20.00	ng	-0.01
63) Phenanthrene-d10	14.64	188	161253	20.00	ng	-0.01
75) Chrysene-d12	18.35	240	99122	20.00	ng	-0.01
86) Perylene-d12	20.02	264	103381	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	309916	107.00	ng	0.01
7) Phenol-d6	6.96	99	445254	113.32	ng	-0.01
23) Nitrobenzene-d5	8.31	82	265061	71.68	ng	-0.02
41) 2,4,6-Tribromophenol	13.54	330	66038	86.10	ng	-0.01
44) 2-Fluorobiphenyl	11.21	172	469573	65.66	ng	-0.01
78) Terphenyl-d14	17.02	244	304932	60.73	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	9.46	128	34274	3.15	ng	99
37) 2-Methylnaphthalene	10.59	142	17469	2.61	ng	98
49) Dimethylphthalate	11.90	163	118412	16.25	ng	99
51) Acenaphthene	12.30	154	16332	2.73	ng	95
54) Dibenzofuran	12.59	168	18835	2.29	ng	100
57) Fluorene	13.14	166	22019	3.13	ng	# 97
70) Phenanthrene	14.69	178	316115	36.05	ng	99
71) Anthracene	14.77	178	70623m	7.51	ng	
72) Carbazole	15.07	167	36044	4.60	ng	97
74) Fluoranthene	16.46	202	375586	41.67	ng	99
77) Pyrene	16.75	202	303789	34.67	ng	# 93
80) Benzo(a)anthracene	18.34	228	129666	22.77	ng	96
82) Chrysene	18.39	228	115604	19.35	ng	99
85) Indeno(1,2,3-cd)pyrene	21.20	276	74396	16.40	ng	96
87) Benzo(b)fluoranthene	19.62	252	139457m	21.93	ng	
88) Benzo(k)fluoranthene	19.63	252	63335m	9.87	ng	
89) Benzo(a)pyrene	19.97	252	108206	18.18	ng	96
90) Dibenzo(a,h)anthracene	21.21	278	19421	3.49	ng	# 85
91) Benzo(g,h,i)perylene	21.53	276	70285	12.35	ng	99

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

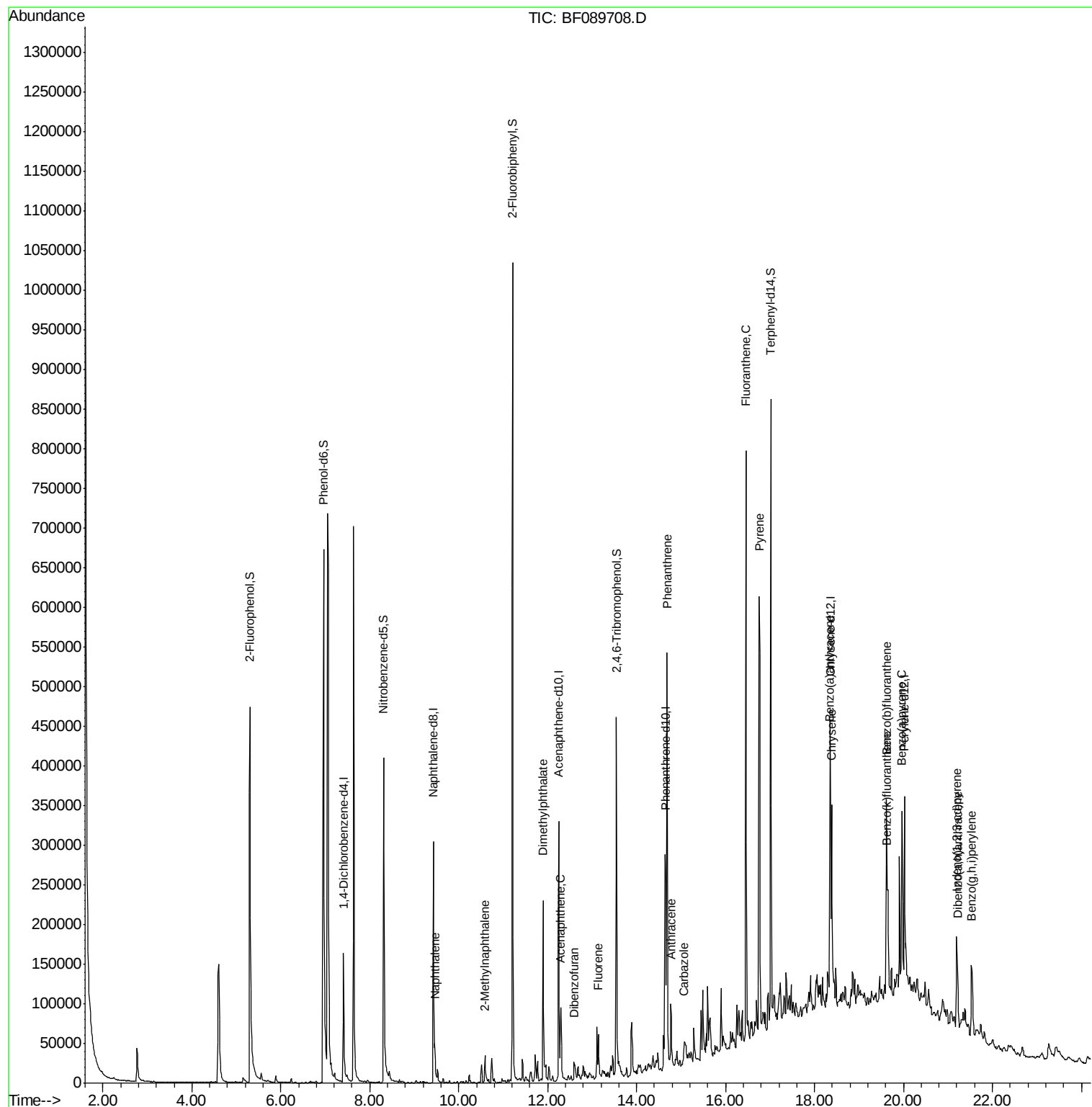
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081016\
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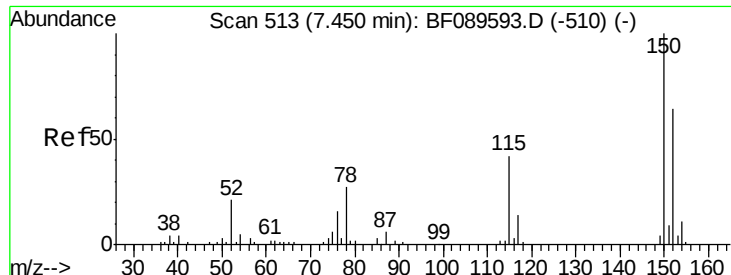
Instrument :
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PE-A-1-DEL1(66)

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#1

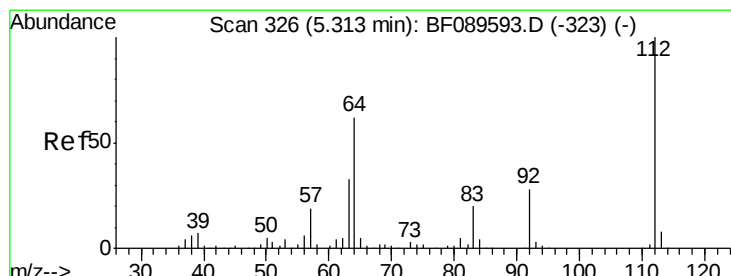
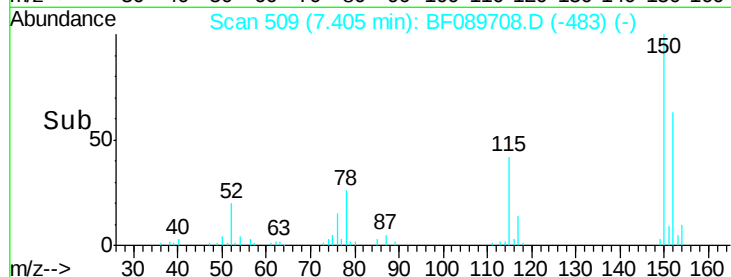
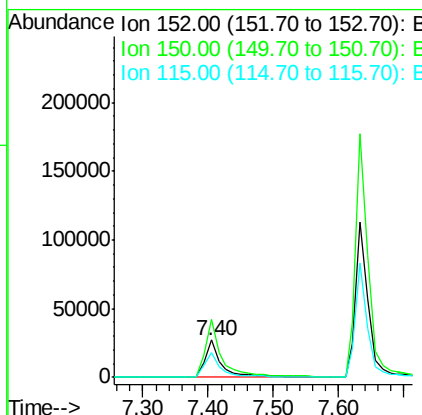
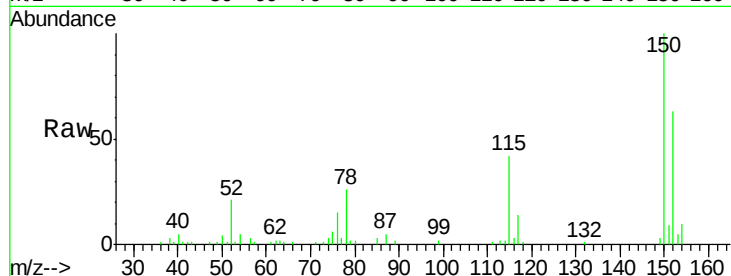
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.40 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1-DEL1(66)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.5	125.5	188.3
115	65.8	52.0	78.0

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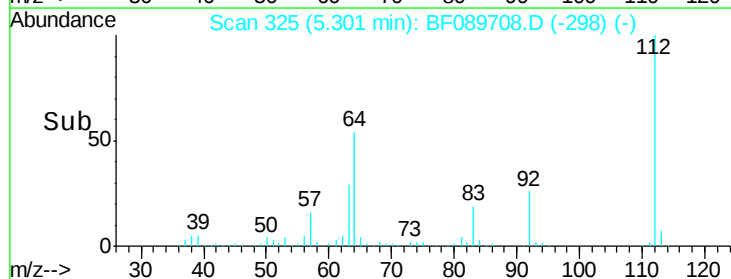
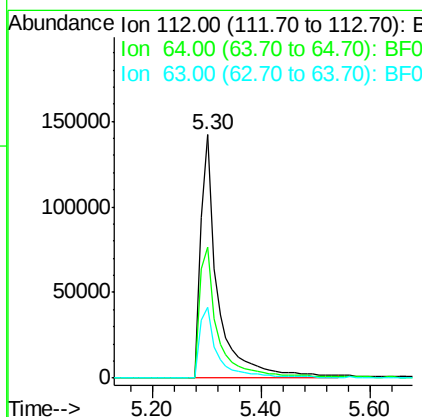
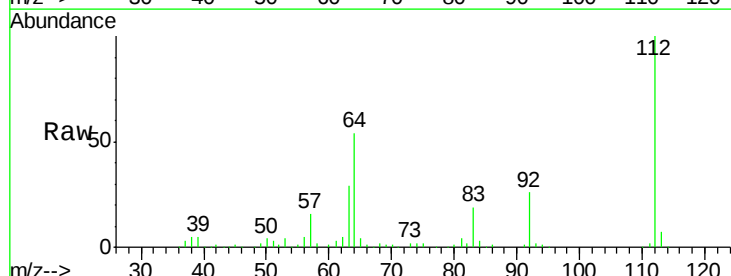
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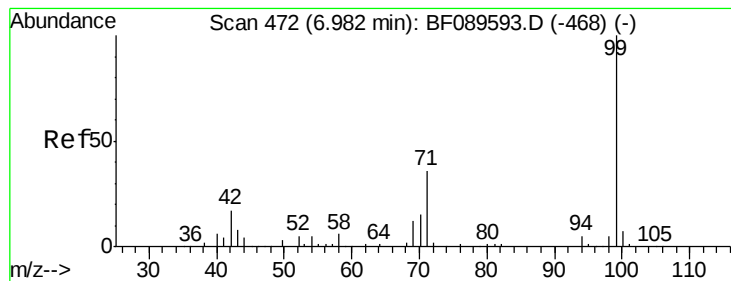


#5

2-Fluorophenol
 Concen: 107.00 ng
 RT: 5.30 min Scan# 325
 Delta R.T. 0.01 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	49.9	74.9
63	29.2	26.1	39.1





#7

Phenol-d6

Concen: 113.32 ng

RT: 6.96 min Scan# 470

Delta R.T. -0.01 min

Lab File: BF089708.D

Acq: 10 Aug 2016 21:44

Instrument :

BNA_F

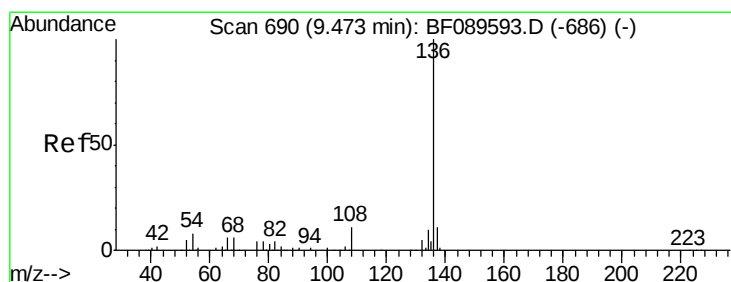
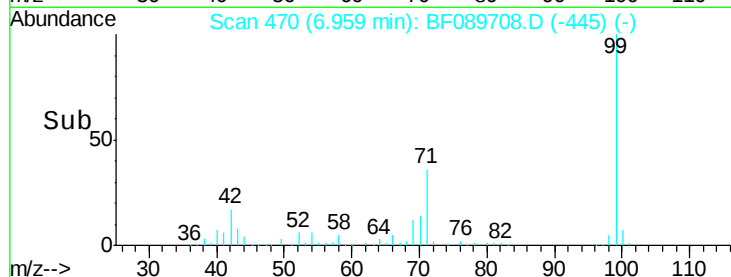
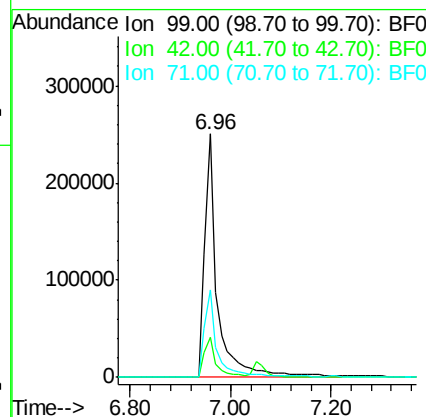
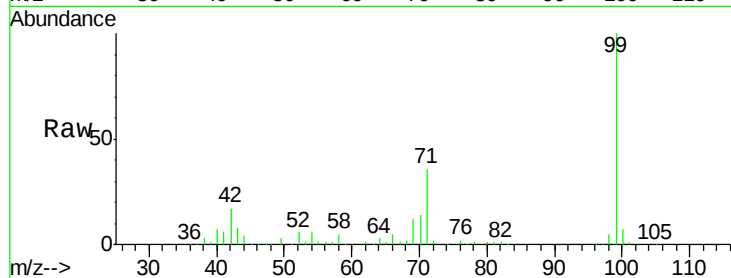
ClientSampleId :

PE-A-1-DEL1(66)

Tgt Ion:	99	Resp:	445254
Ion Ratio	Lower	Upper	
99	100		
42	16.7	13.7	20.5
71	36.1	29.0	43.4

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#21

Naphthalene-d8

Concen: 20.00 ng

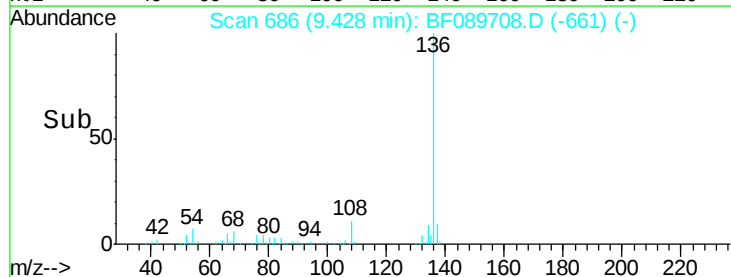
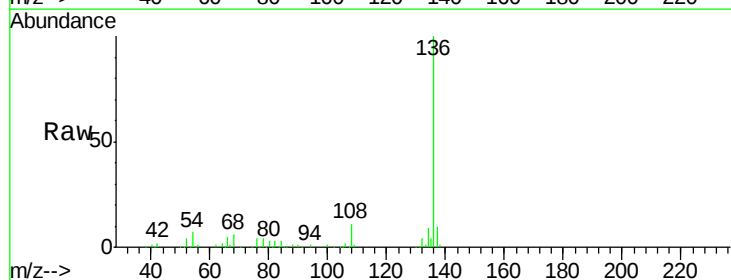
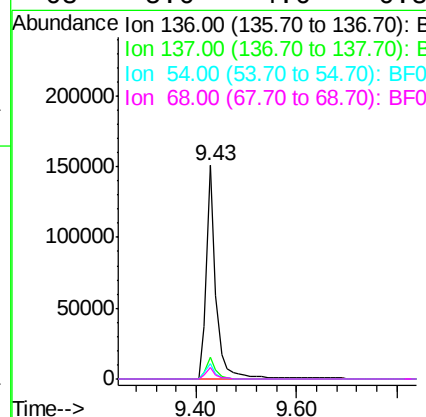
RT: 9.43 min Scan# 686

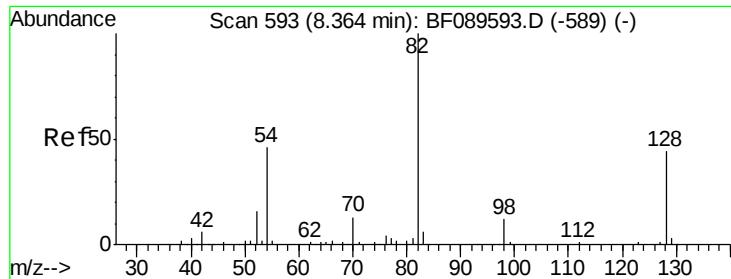
Delta R.T. -0.01 min

Lab File: BF089708.D

Acq: 10 Aug 2016 21:44

Tgt Ion:	136	Resp:	204537
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.6	12.8
54	7.0	6.0	9.0
68	5.6	4.6	6.8





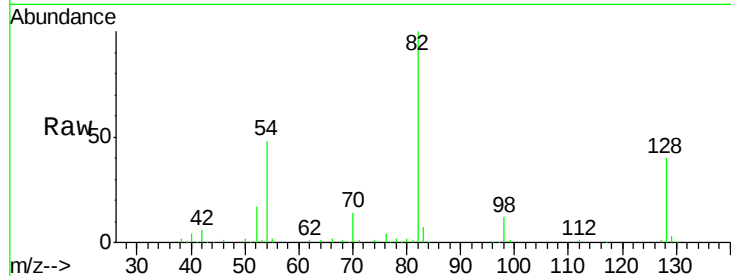
#23
Nitrobenzene-d5
Concen: 71.68 ng
RT: 8.31 min Scan# 588
Delta R.T. -0.02 min
Lab File: BF089708.D
Acq: 10 Aug 2016 21:44

Instrument :
BNA_F
ClientSampleId :
PE-A-1-DEL1(66)

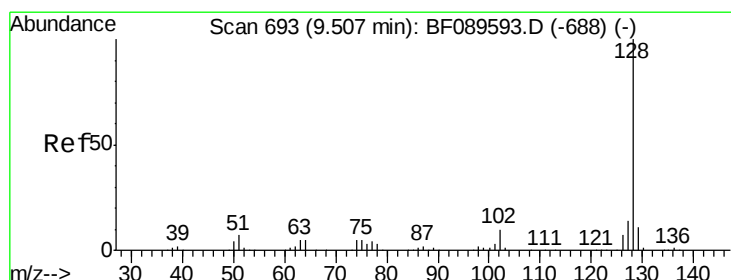
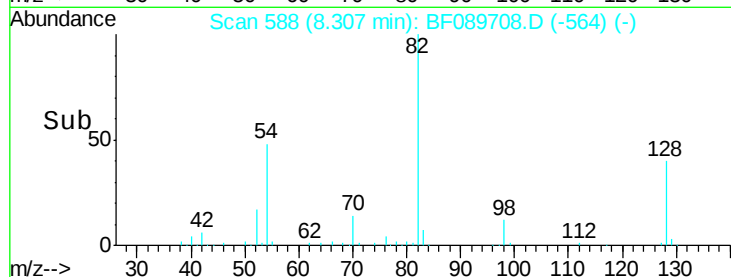
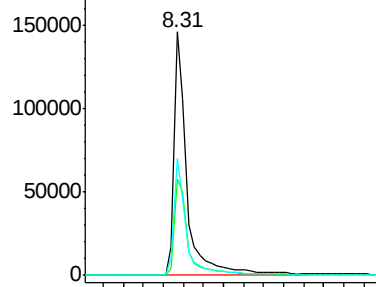
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	265061		
128	39.8	35.4	53.0	
54	47.8	36.4	54.6	

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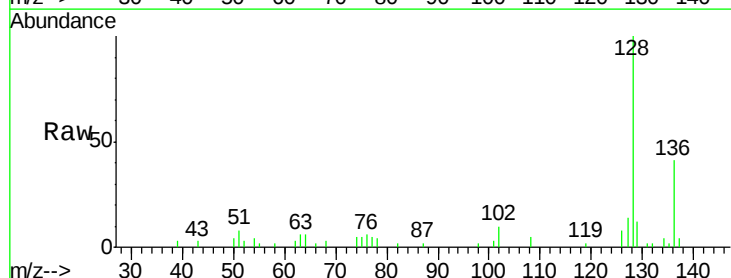


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

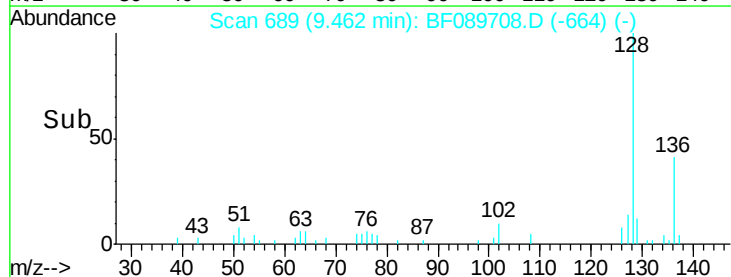
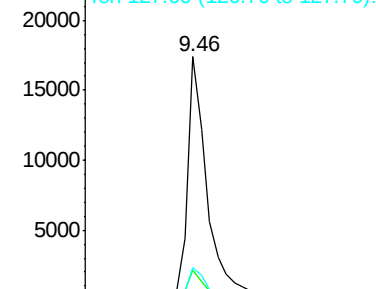


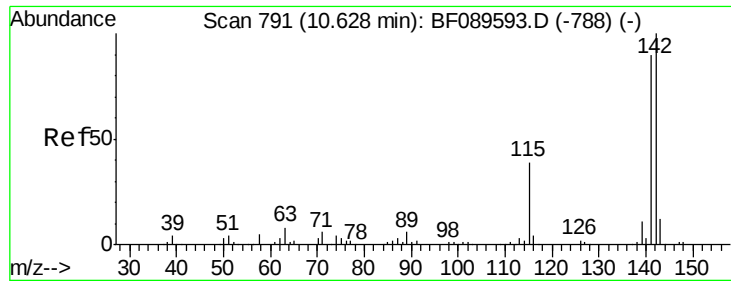
#31
Naphthalene
Concen: 3.15 ng
RT: 9.46 min Scan# 689
Delta R.T. -0.01 min
Lab File: BF089708.D
Acq: 10 Aug 2016 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	34274		
129	12.0	8.7	13.1	
127	13.5	10.9	16.3	



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





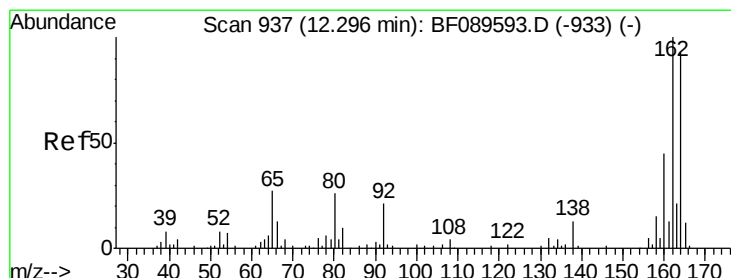
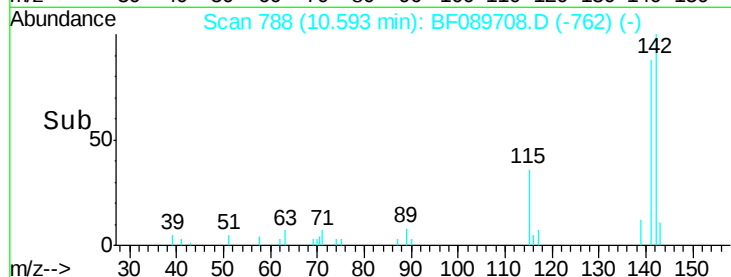
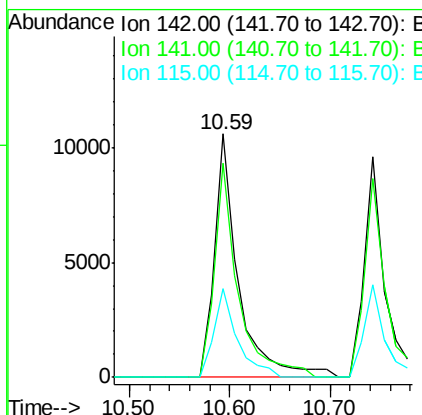
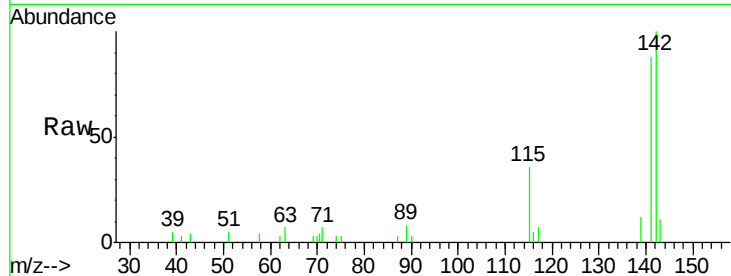
#37
 2-Methylnaphthalene
 Concen: 2.61 ng
 RT: 10.59 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1-DEL1(66)

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.8	107.6
115	36.2	31.0	46.4

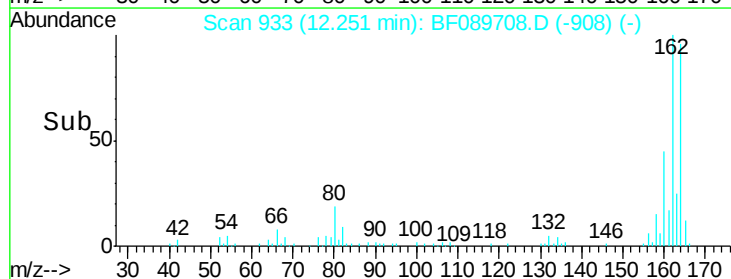
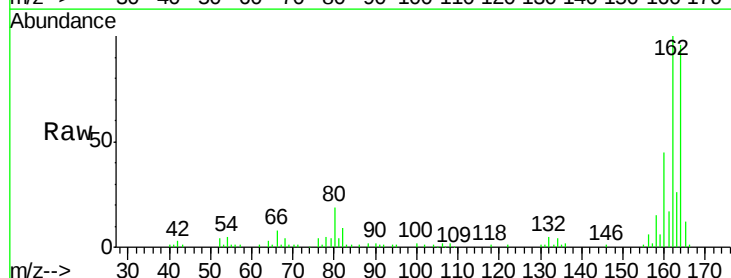
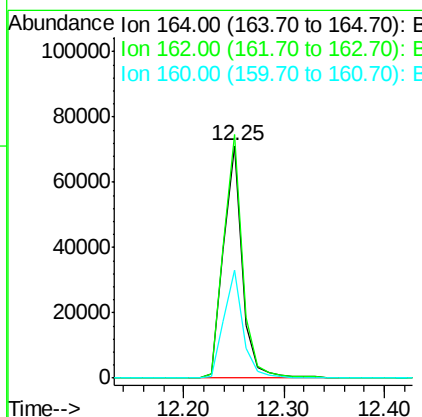
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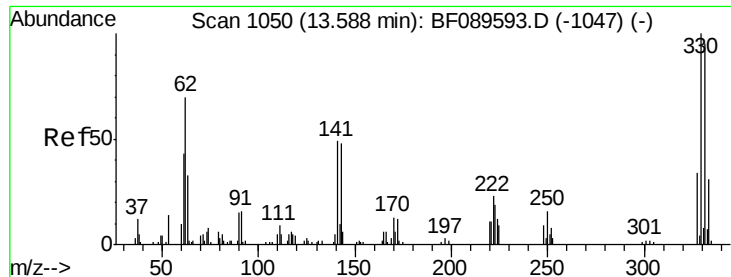
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.25 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	85.7	128.5
160	46.6	38.2	57.4





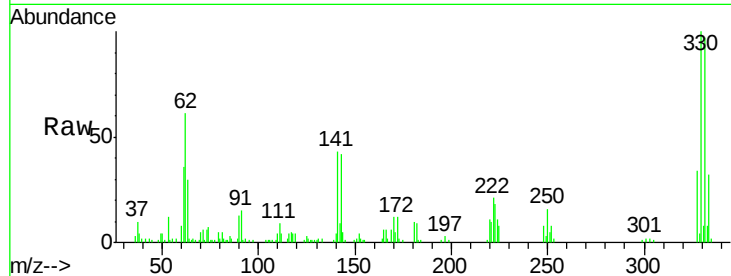
#41
 2,4,6-Tribromophenol
 Concen: 86.10 ng
 RT: 13.54 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1-DEL1(66)

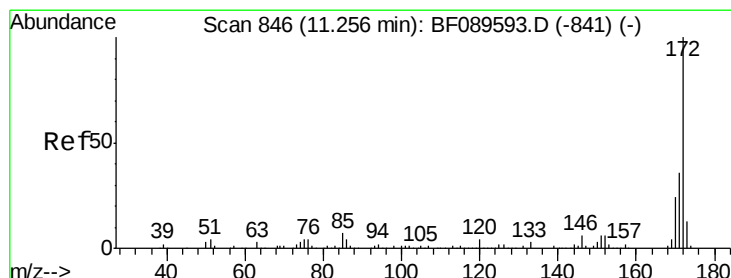
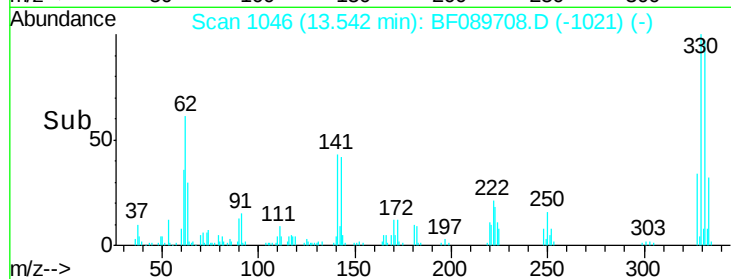
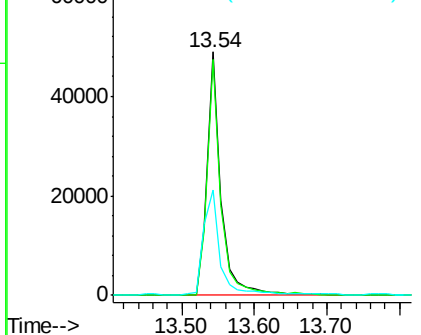
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	53.1	38.6	57.8

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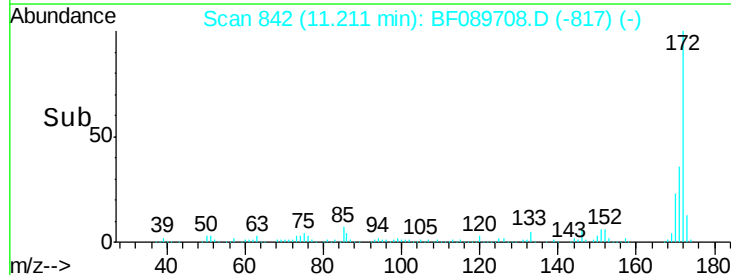
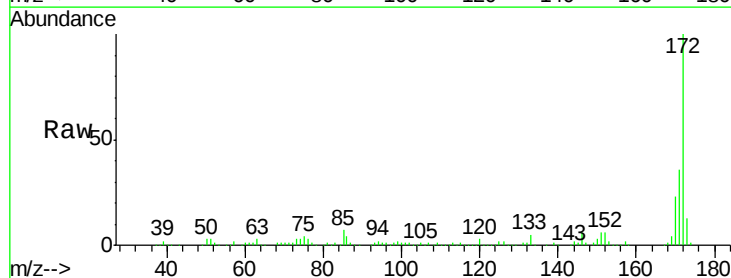
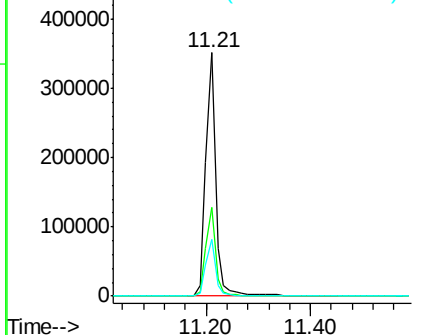
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

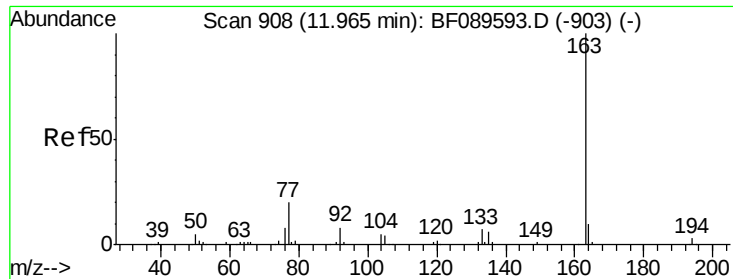


#44
 2-Fluorobiphenyl
 Concen: 65.66 ng
 RT: 11.21 min Scan# 842
 Delta R.T. -0.01 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.9	43.3
170	23.4	19.0	28.6

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





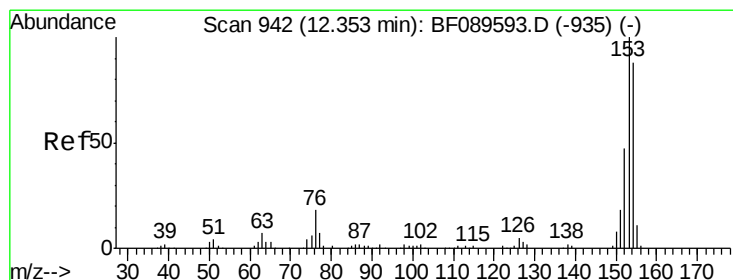
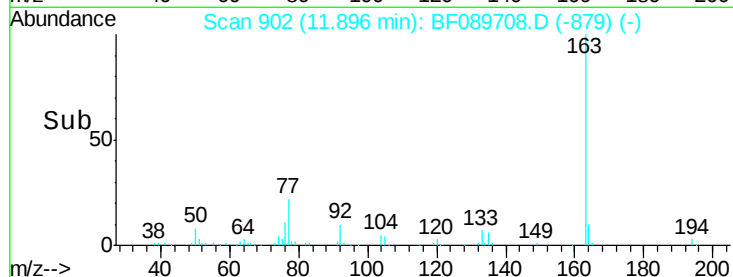
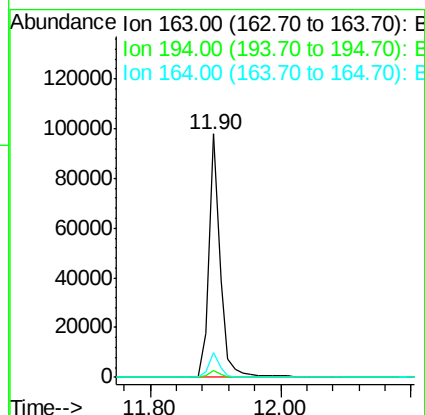
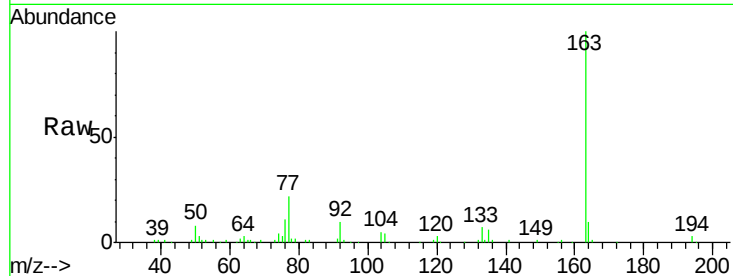
#49
Dimethylphthalate
Concen: 16.25 ng
RT: 11.90 min Scan# 902
Delta R.T. -0.03 min
Lab File: BF089708.D
Acq: 10 Aug 2016 21:44

Instrument :
BNA_F
ClientSampleId :
PE-A-1-DEL1(66)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	118412		
194	3.1	2.7	4.1	
164	10.2	7.8	11.6	

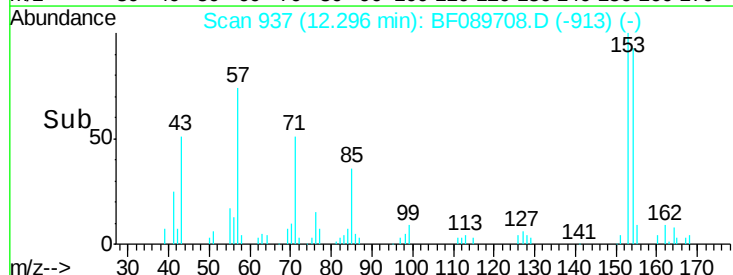
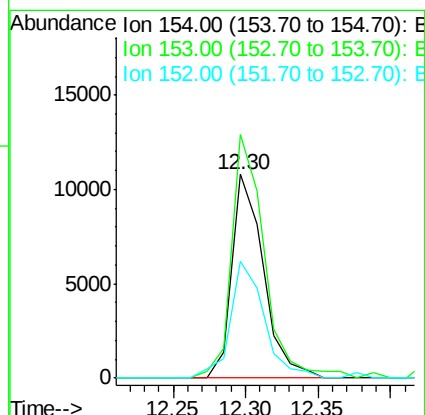
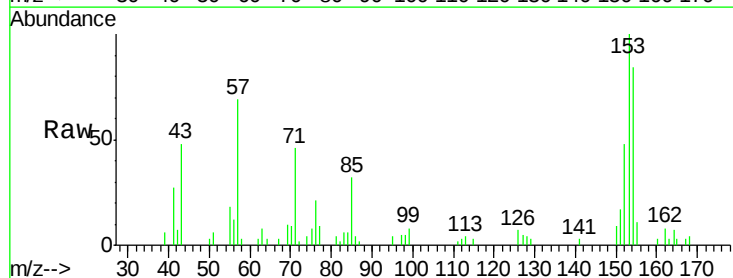
Manual Integrations
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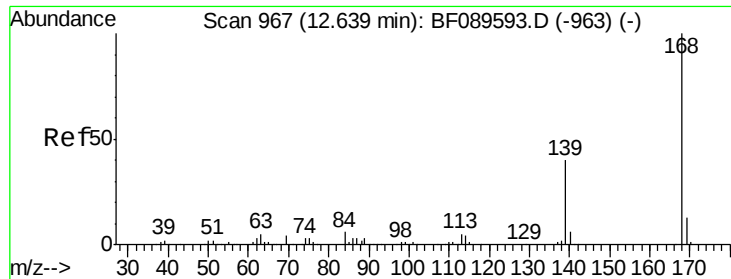
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#51
Acenaphthene
Concen: 2.73 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.02 min
Lab File: BF089708.D
Acq: 10 Aug 2016 21:44

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	16332		
153	119.4	91.1	136.7	
152	57.3	43.5	65.3	





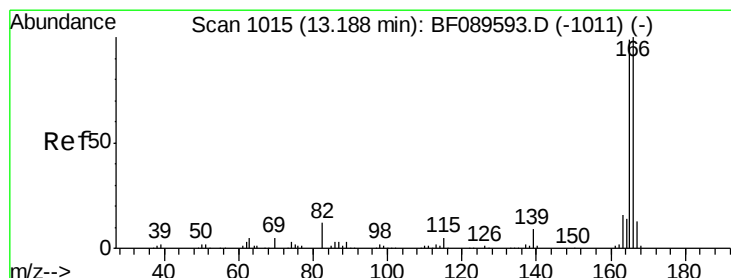
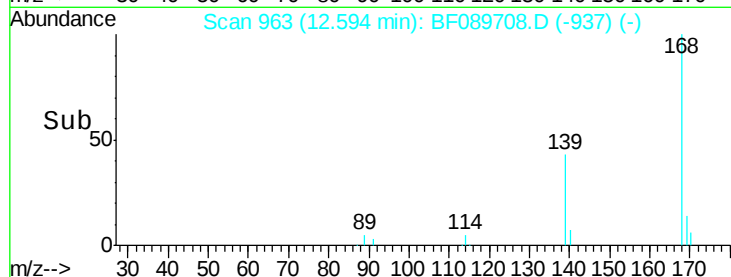
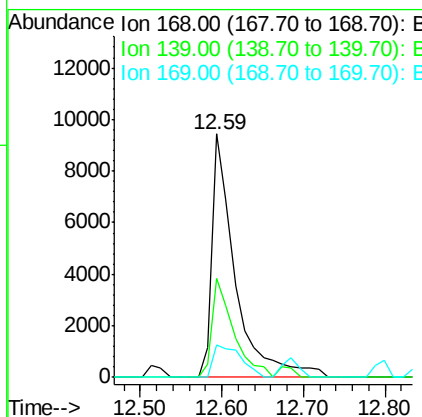
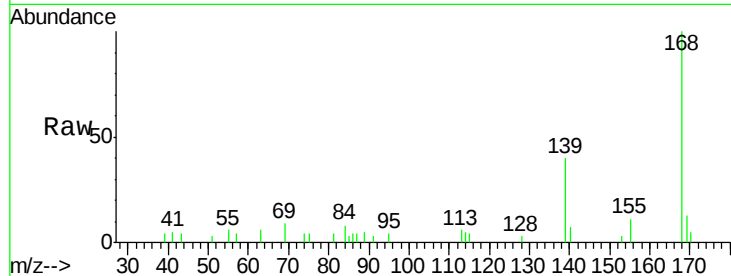
#54
Dibenzenofuran
Concen: 2.29 ng
RT: 12.59 min Scan# 963
Delta R.T. -0.00 min
Lab File: BF089708.D
Acq: 10 Aug 2016 21:44

Instrument :
BNA_F
ClientSampleId :
PE-A-1-DEL1(66)

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.5	32.3	48.5
169	13.5	10.6	15.8

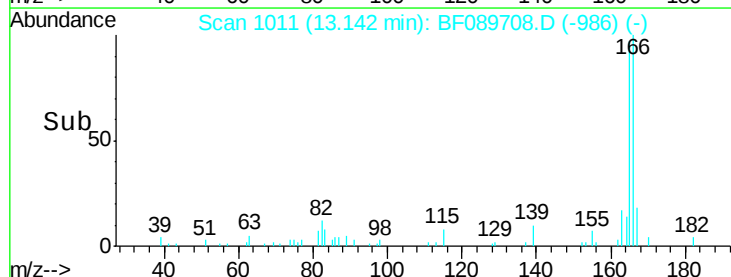
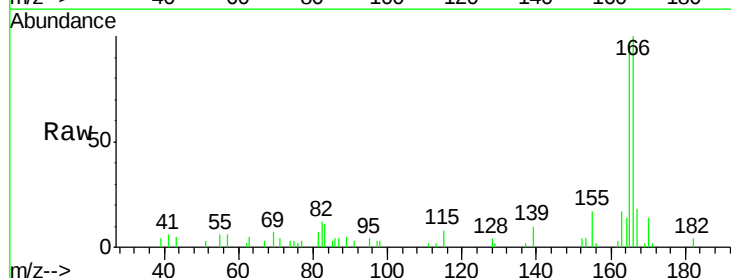
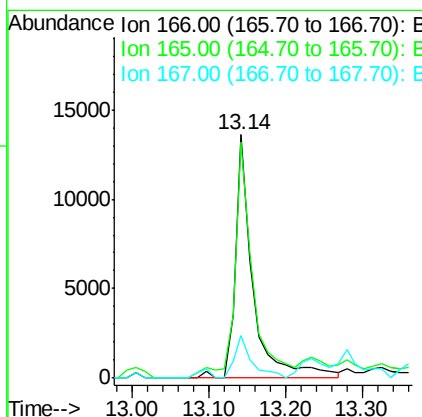
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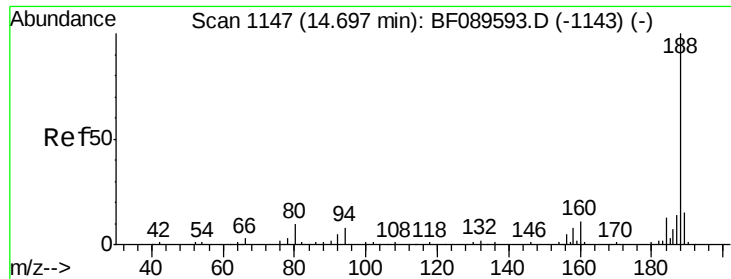
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#57
Fluorene
Concen: 3.13 ng
RT: 13.14 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF089708.D
Acq: 10 Aug 2016 21:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.9	118.3
167	17.7	10.4	15.6#





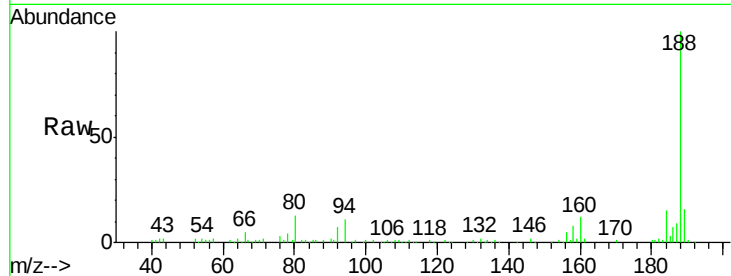
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.64 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1-DEL1(66)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.7	6.5	9.7#
80	13.0	8.0	12.0#

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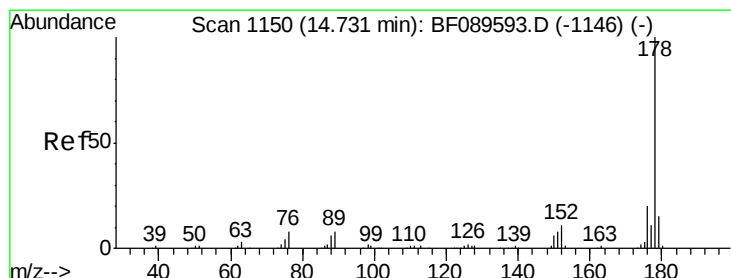
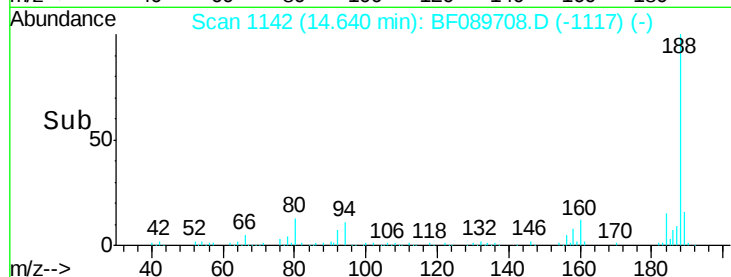
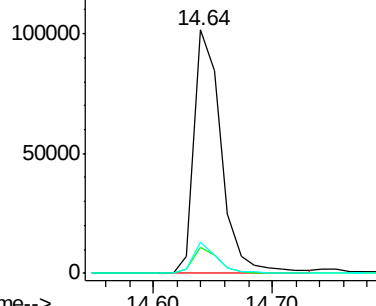
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Abundance Ion 188.00 (187.70 to 188.70): E

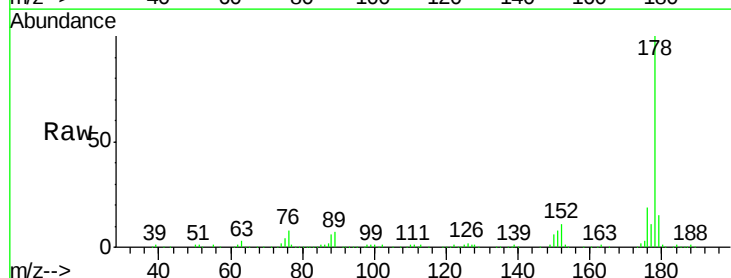
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70
 Phenanthrene
 Concen: 36.05 ng
 RT: 14.69 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

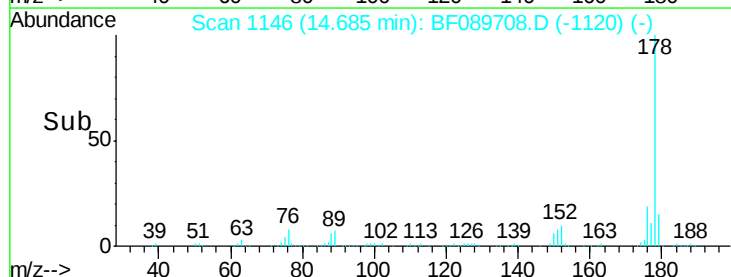
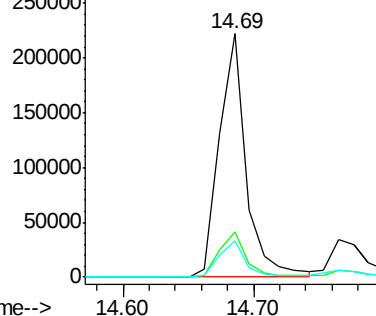
Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.7	15.7	23.5
179	15.0	12.2	18.2

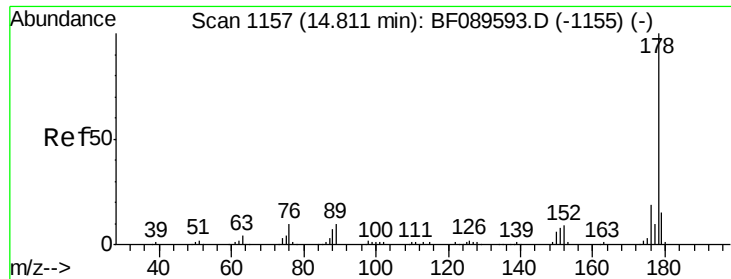


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





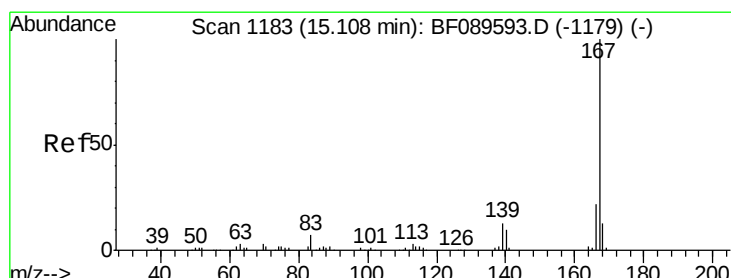
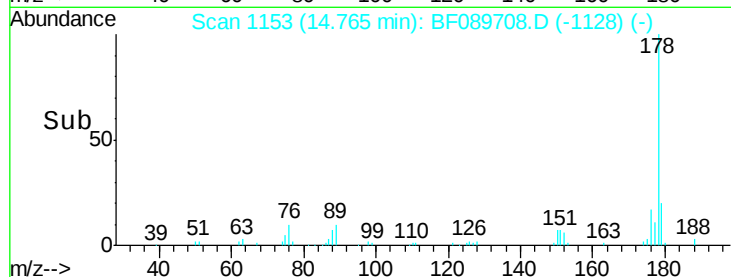
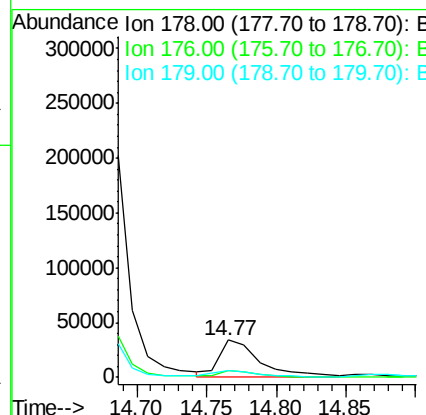
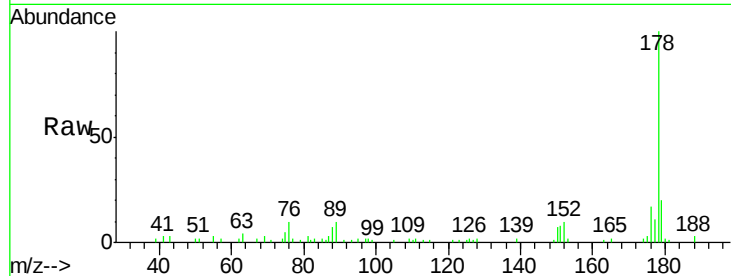
#71
 Anthracene
 Concen: 7.51 ng m
 RT: 14.77 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1-DEL1(66)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.0	22.4
179	19.7	12.4	18.6

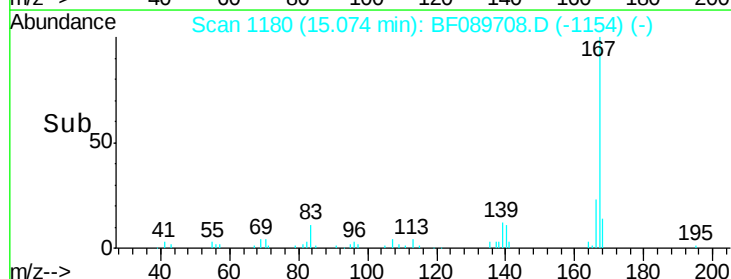
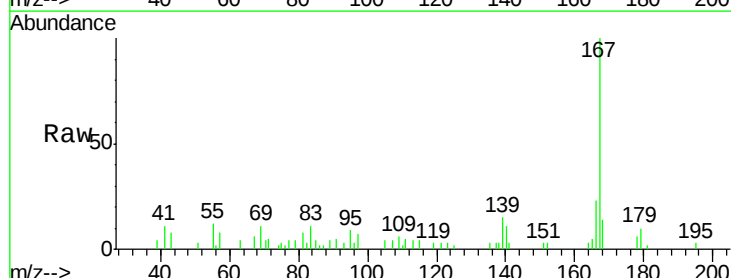
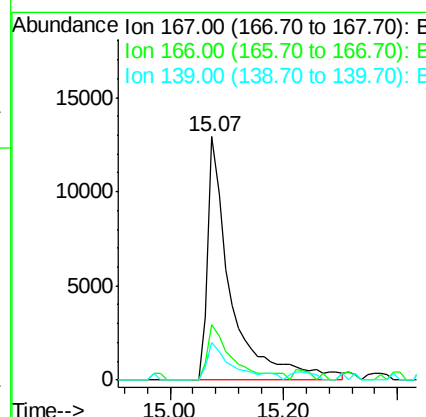
Manual Integrations
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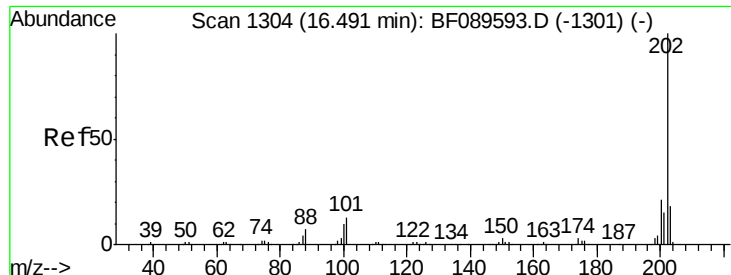
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#72
 Carbazole
 Concen: 4.60 ng
 RT: 15.07 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.5	26.3
139	15.2	10.4	15.6





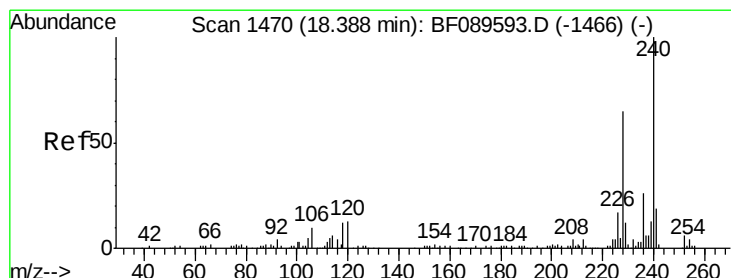
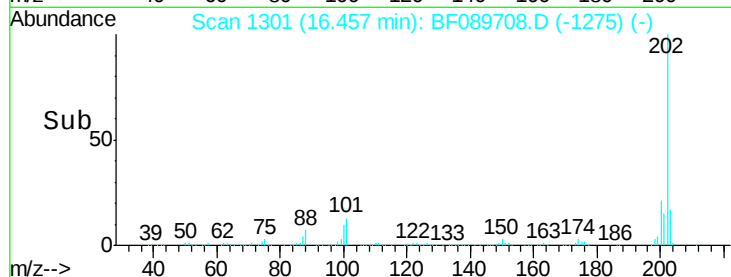
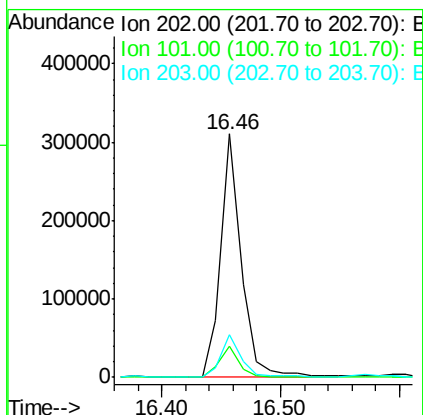
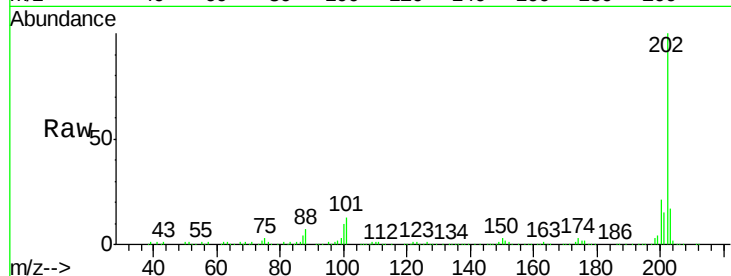
#74
 Fluoranthene
 Concen: 41.67 ng
 RT: 16.46 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1-DEL1(66)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.1	0.0	32.7
203	17.5	0.0	37.8

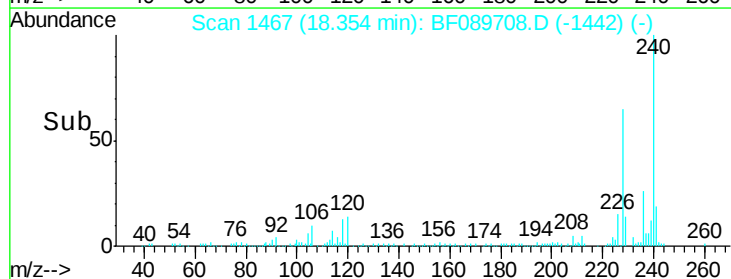
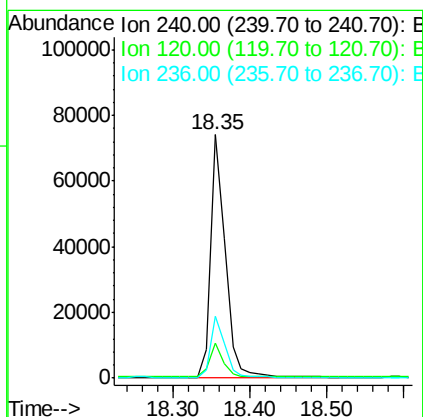
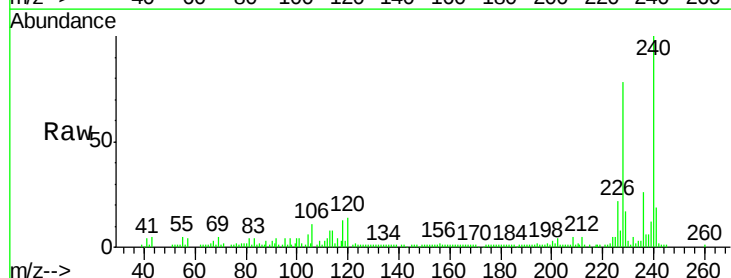
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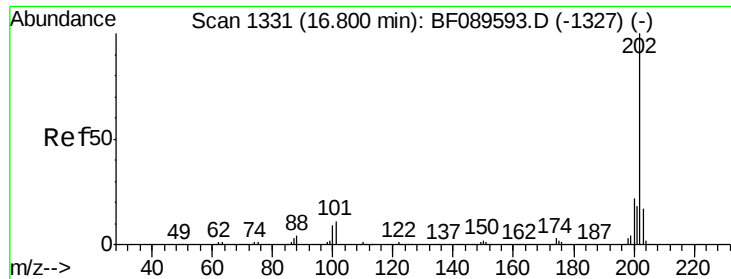
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.35 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.4	10.6	15.8
236	25.5	20.6	30.8





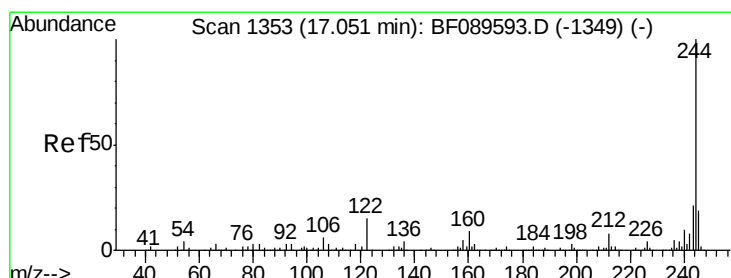
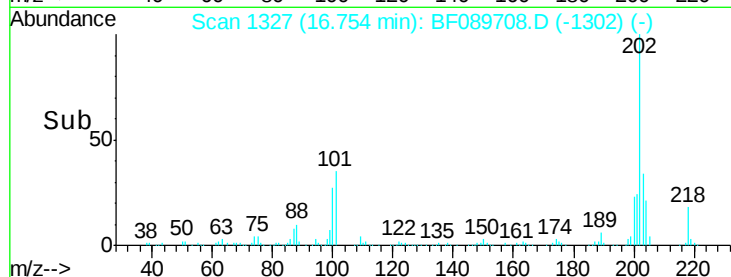
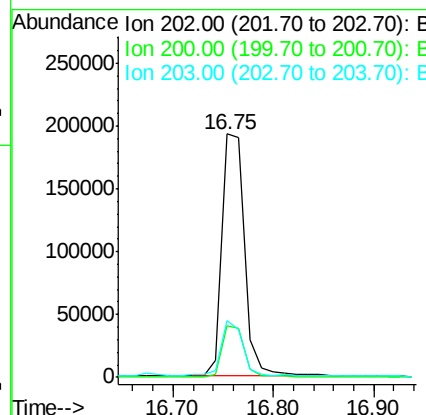
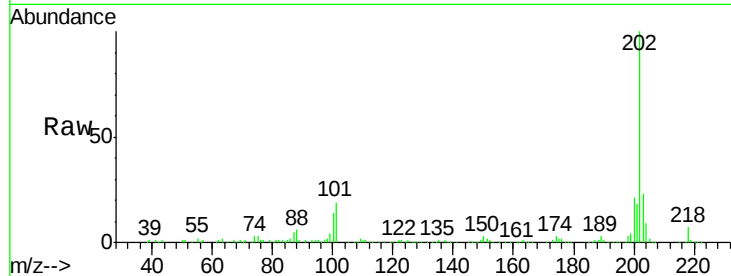
#77
 Pyrene
 Concen: 34.67 ng
 RT: 16.75 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1-DEL1(66)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.1	17.4	26.0
203	23.4	13.6	20.4

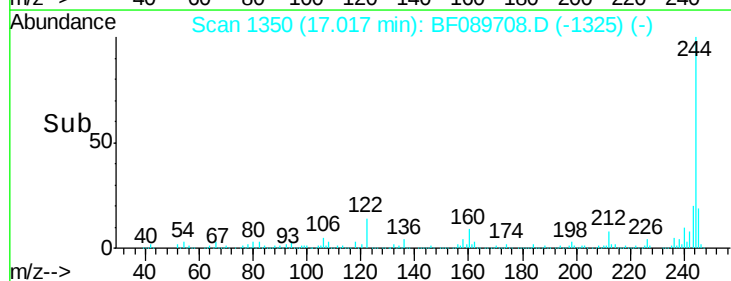
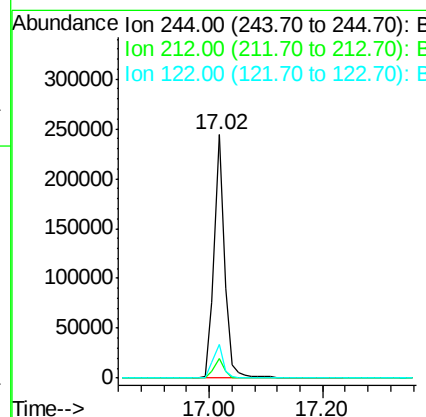
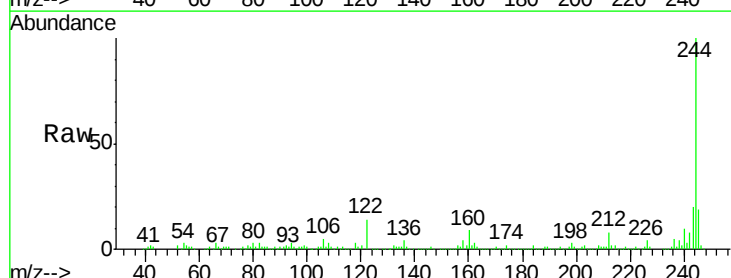
Manual Integrations
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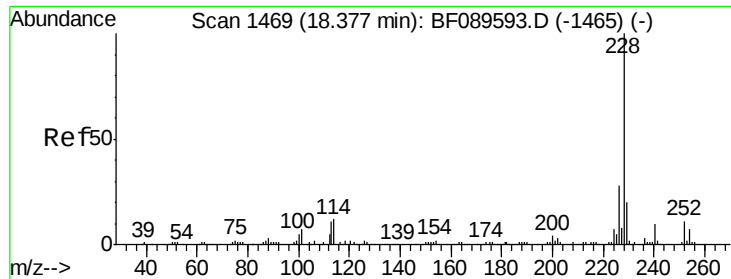
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#78
 Terphenyl-d14
 Concen: 60.73 ng
 RT: 17.02 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.1	6.4	9.6
122	13.8	12.2	18.2





#80

Benzo(a)anthracene

Concen: 22.77 ng

RT: 18.34 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF089708.D

Acq: 10 Aug 2016 21:44

Instrument :

BNA_F

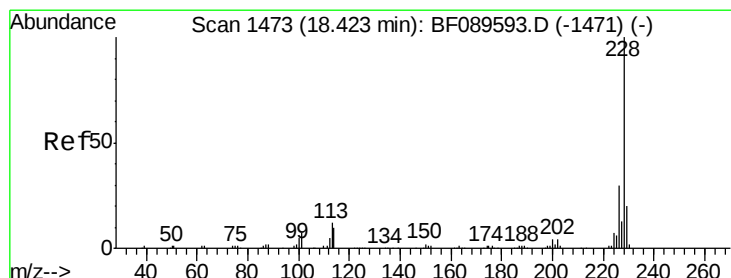
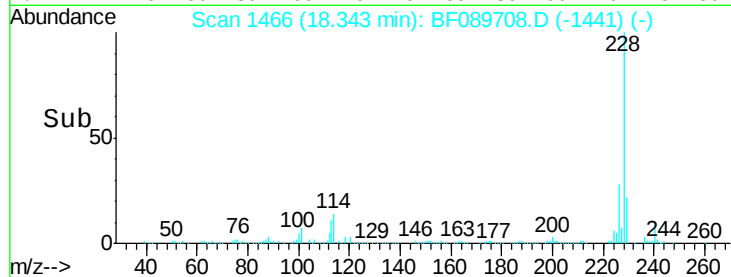
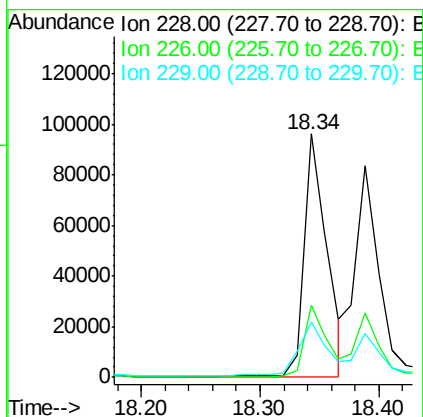
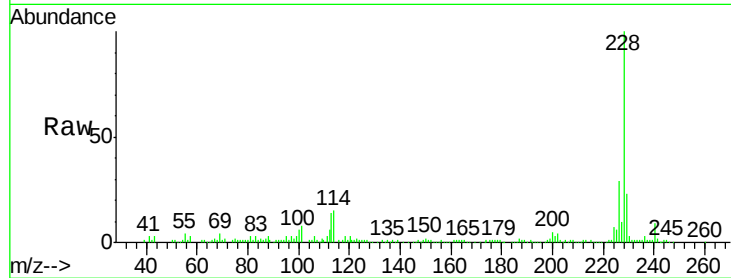
ClientSampleId :

PE-A-1-DEL1(66)

Tgt Ion:	228	Resp:	129666
Ion Ratio	Lower	Upper	
228	100		
226	29.4	22.3	33.5
229	22.6	15.9	23.9

Manual Integrations
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#82

Chrysene

Concen: 19.35 ng

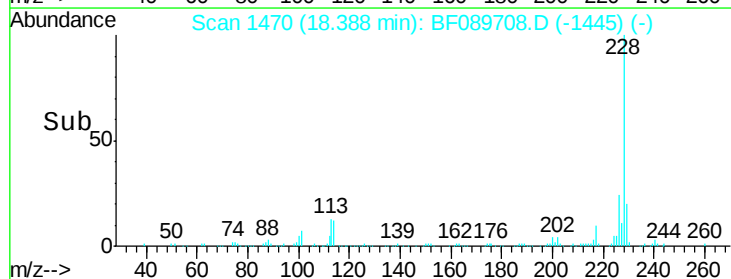
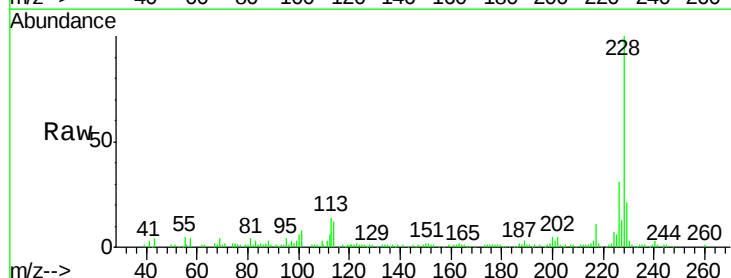
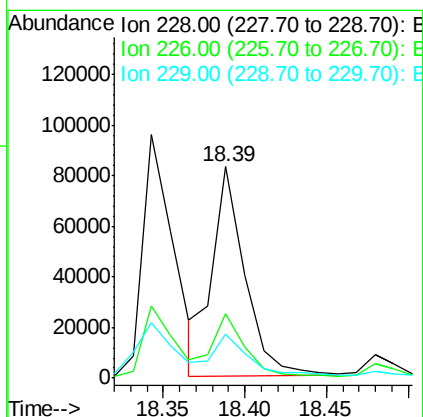
RT: 18.39 min Scan# 1470

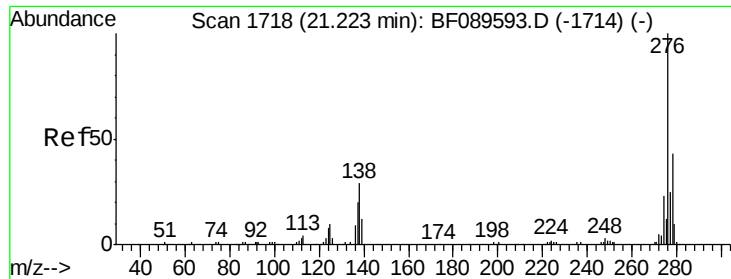
Delta R.T. -0.01 min

Lab File: BF089708.D

Acq: 10 Aug 2016 21:44

Tgt Ion:	228	Resp:	115604
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.2	36.2
229	20.7	16.0	24.0





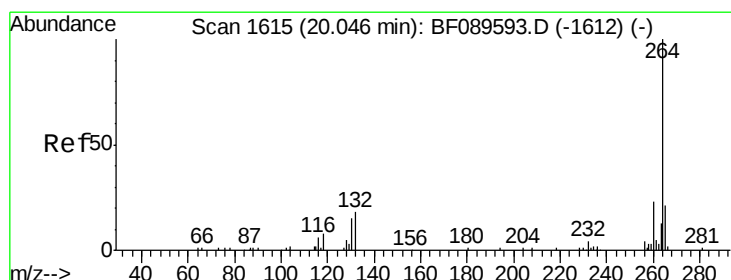
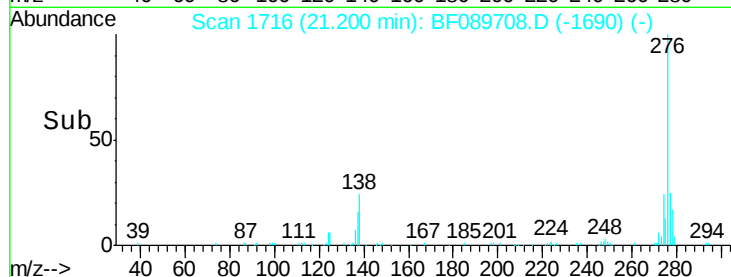
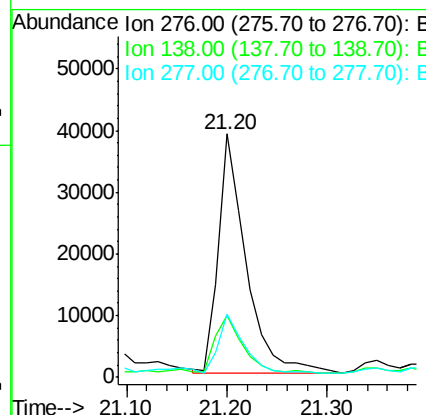
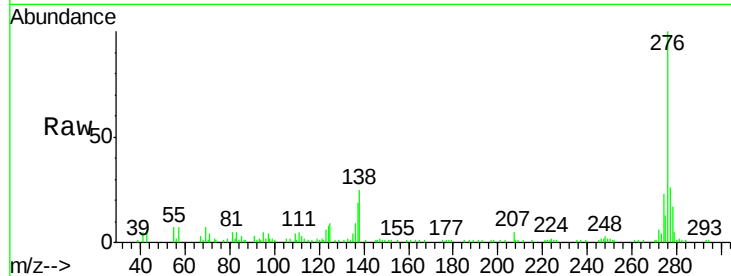
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 16.40 ng
 RT: 21.20 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1-DEL1(66)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.2	23.8	35.8
277	22.8	20.3	30.5

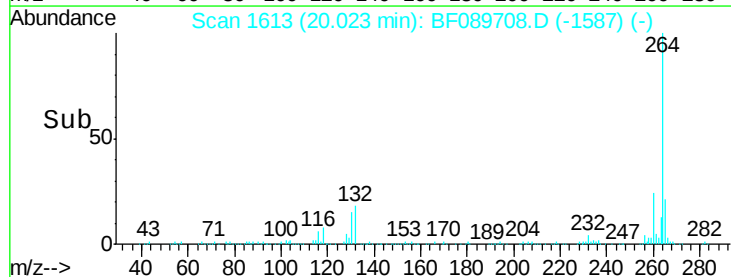
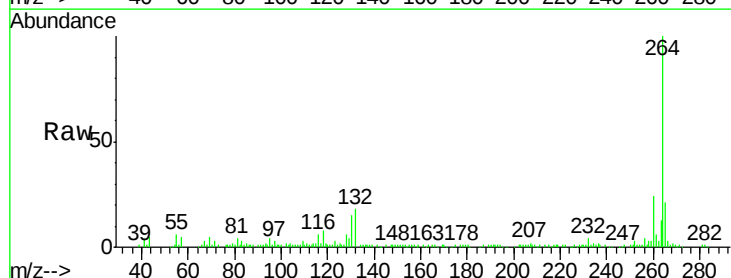
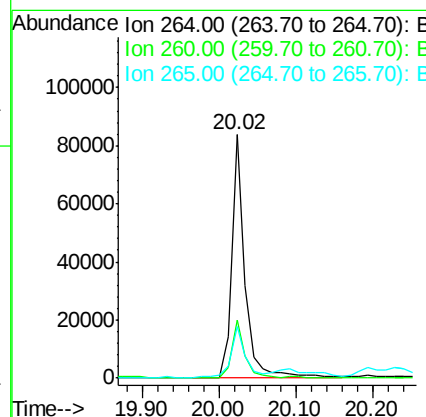
Manual Integrations
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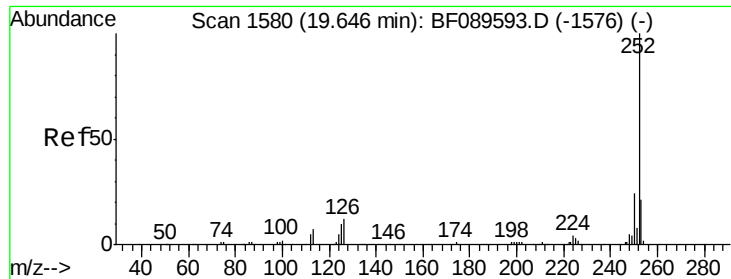
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.02 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.4	16.5	24.7





#87

Benzo(b)fluoranthene

Concen: 21.93 ng m

RT: 19.62 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF089708.D

Acq: 10 Aug 2016 21:44

Instrument :

BNA_F

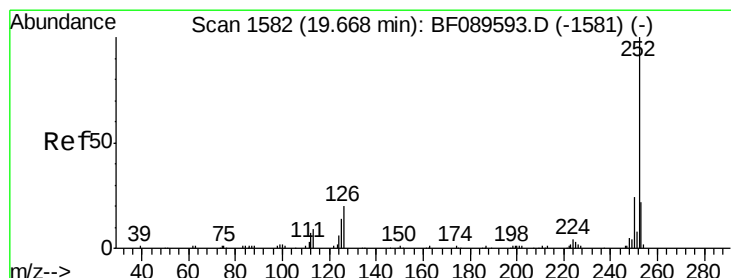
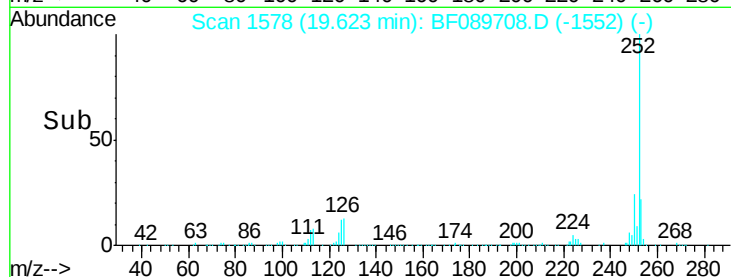
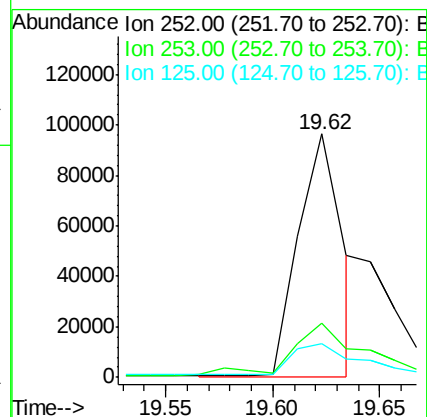
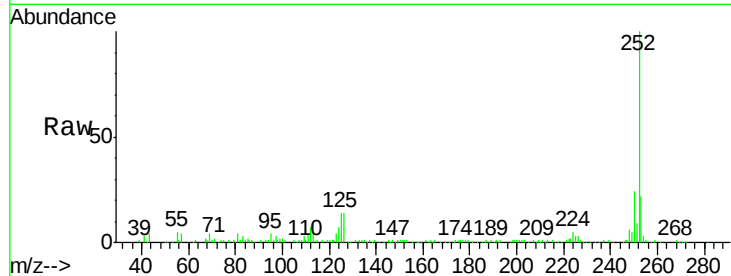
ClientSampleId :

PE-A-1-DEL1(66)

Tgt Ion:	252	Resp:	139457
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.1	25.7
125	13.6	7.8	11.8#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 9.87 ng m

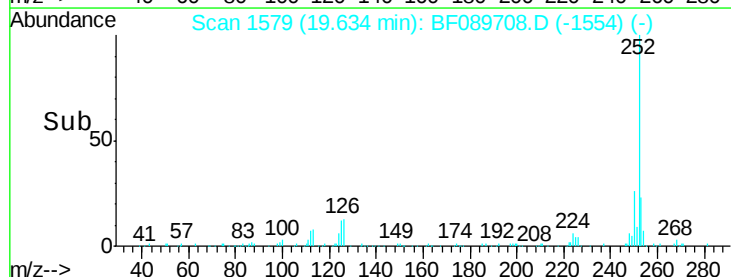
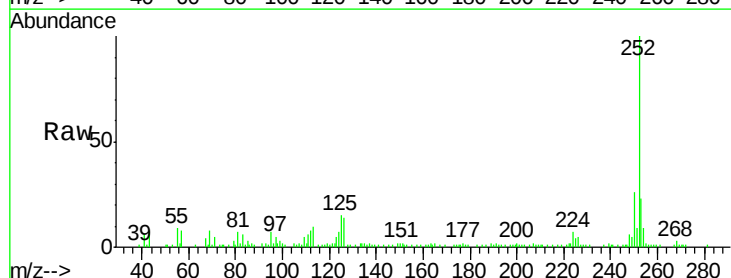
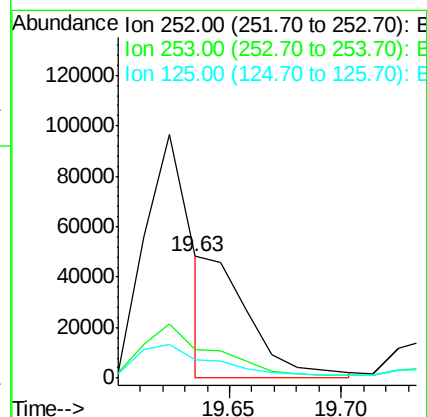
RT: 19.63 min Scan# 1579

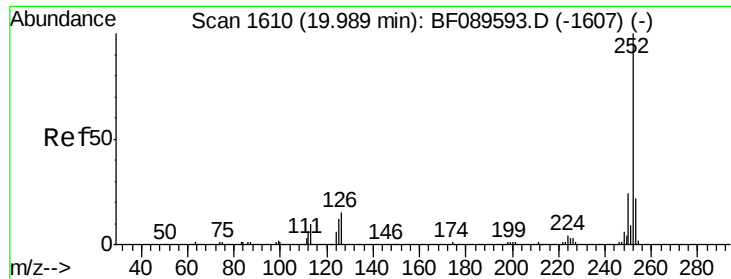
Delta R.T. -0.01 min

Lab File: BF089708.D

Acq: 10 Aug 2016 21:44

Tgt Ion:	252	Resp:	63335
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	14.6	11.0	16.6





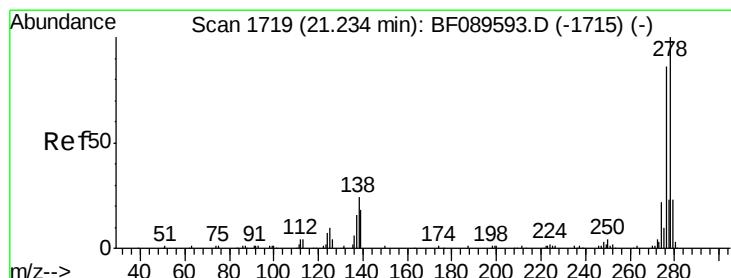
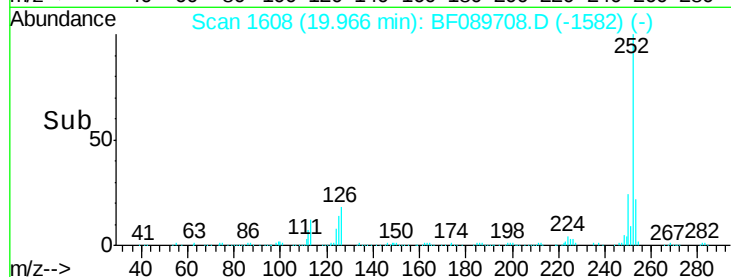
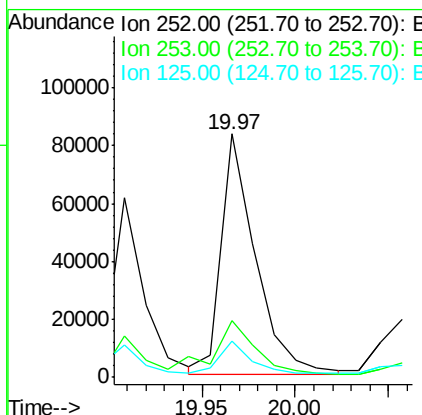
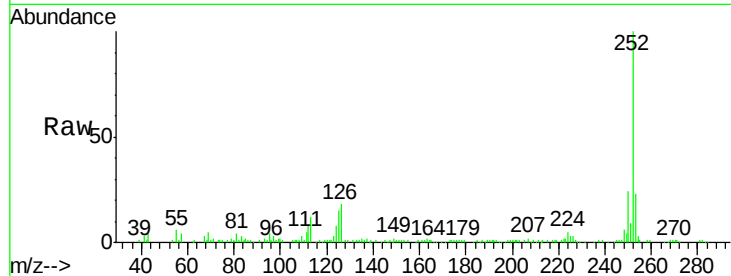
#89
Benzo(a)pyrene
Concen: 18.18 ng
RT: 19.97 min Scan# 1608
Delta R.T. -0.00 min
Lab File: BF089708.D
Acq: 10 Aug 2016 21:44

Instrument :
BNA_F
ClientSampleId :
PE-A-1-DEL1(66)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	14.8	9.9	14.9

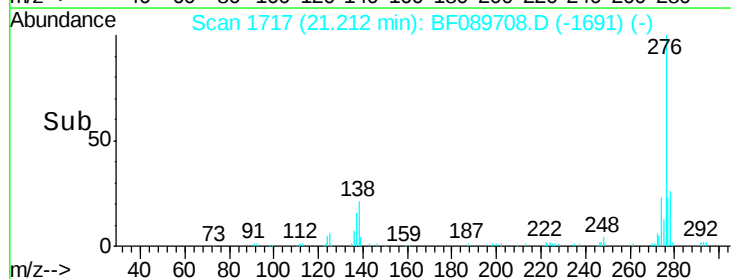
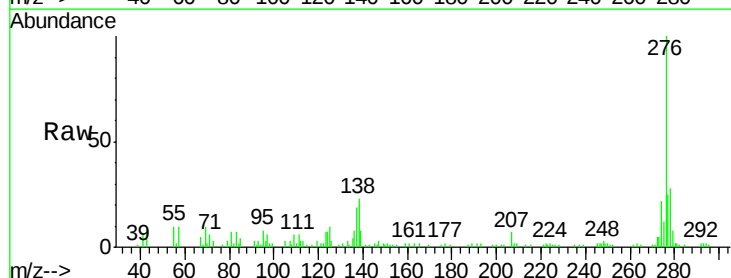
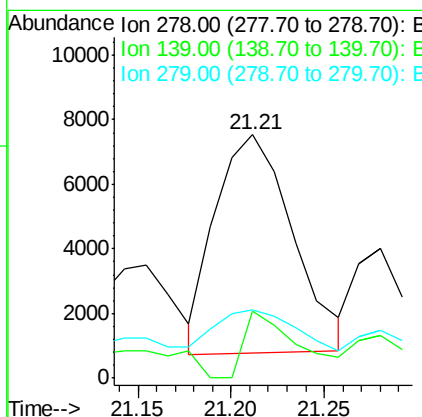
Manual Integrations
APPROVED

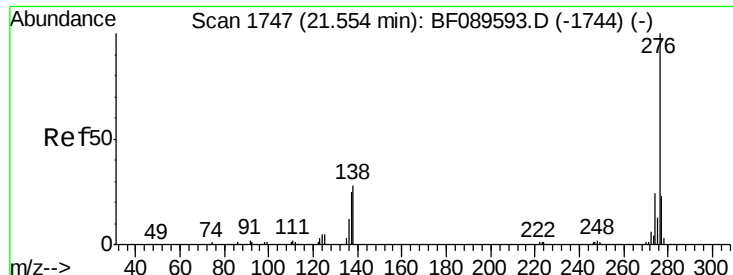
sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.49 ng
RT: 21.21 min Scan# 1717
Delta R.T. -0.00 min
Lab File: BF089708.D
Acq: 10 Aug 2016 21:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.3	14.6	21.8#
279	28.0	18.4	27.6#





#91
 Benzo(g,h,i)perylene
 Concen: 12.35 ng
 RT: 21.53 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: BF089708.D
 Acq: 10 Aug 2016 21:44

Instrument :
 BNA_F
 ClientSampleId :
 PE-A-1-DEL1(66)

Tgt Ion:	276	Resp:	70285
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.6	28.0
138	27.9	22.6	33.8

Manual Integrations
 APPROVED

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