

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
 Data File : BF080463.D
 Acq On : 14 Jul 2015 12:24
 Operator : TP/UM
 Sample : G2954-20
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2

Manual Integrations
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 7/15/2015 8:28:38 AM

Quant Time: Jul 14 13:23:35 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 11 05:35:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	21702	20.00	ng	-0.02
21) Naphthalene-d8	8.42	136	101573	20.00	ng	-0.01
38) Acenaphthene-d10	10.18	164	56967	20.00	ng	-0.01
63) Phenanthrene-d10	11.68	188	114281	20.00	ng	-0.01
75) Chrysene-d12	14.61	240	111373	20.00	ng	0.08
86) Perylene-d12	16.42	264	114836	20.00	ng	0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	168921	133.38	ng	-0.02
7) Phenol-d6	6.77	99	225355	133.56	ng	-0.02
23) Nitrobenzene-d5	7.70	82	149730	84.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.97	330	51645	92.89	ng	-0.02
44) 2-Fluorobiphenyl	9.49	172	239490	56.62	ng	-0.01
78) Terphenyl-d14	13.35	244	258146	50.34	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	8.44	128	17007	3.06	ng	98
48) Acenaphthylene	10.04	152	29389	4.69	ng	99
49) Dimethylphthalate	9.89	163	40627	9.43	ng	100
51) Acenaphthene	10.21	154	15263	3.83	ng	96
54) Dibenzofuran	10.38	168	22396	4.24	ng	93
57) Fluorene	10.73	166	31228	7.02	ng	97
70) Phenanthrene	11.70	178	492132	71.68	ng	98
71) Anthracene	11.74	178	149842	23.57	ng	98
72) Carbazole	11.92	167	21121	3.60	ng	96
74) Fluoranthene	12.95	202	679276	95.40	ng	93
77) Pyrene	13.20	202	650344	91.14	ng	99
80) Benzo(a)anthracene	14.59	228	314287	44.78	ng	97
82) Chrysene	14.64	228	260208	40.26	ng	97
85) Indeno(1,2,3-cd)pyrene	18.08	276	167669	20.88	ng	97
87) Benzo(b)fluoranthene	15.93	252	327142m	41.01	ng	
88) Benzo(k)fluoranthene	15.94	252	150380m	23.05	ng	
89) Benzo(a)pyrene	16.35	252	291706	41.73	ng	97
90) Dibenzo(a,h)anthracene	18.08	278	40890	5.91	ng	# 77
91) Benzo(g,h,i)perylene	18.58	276	172699	25.11	ng	98

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

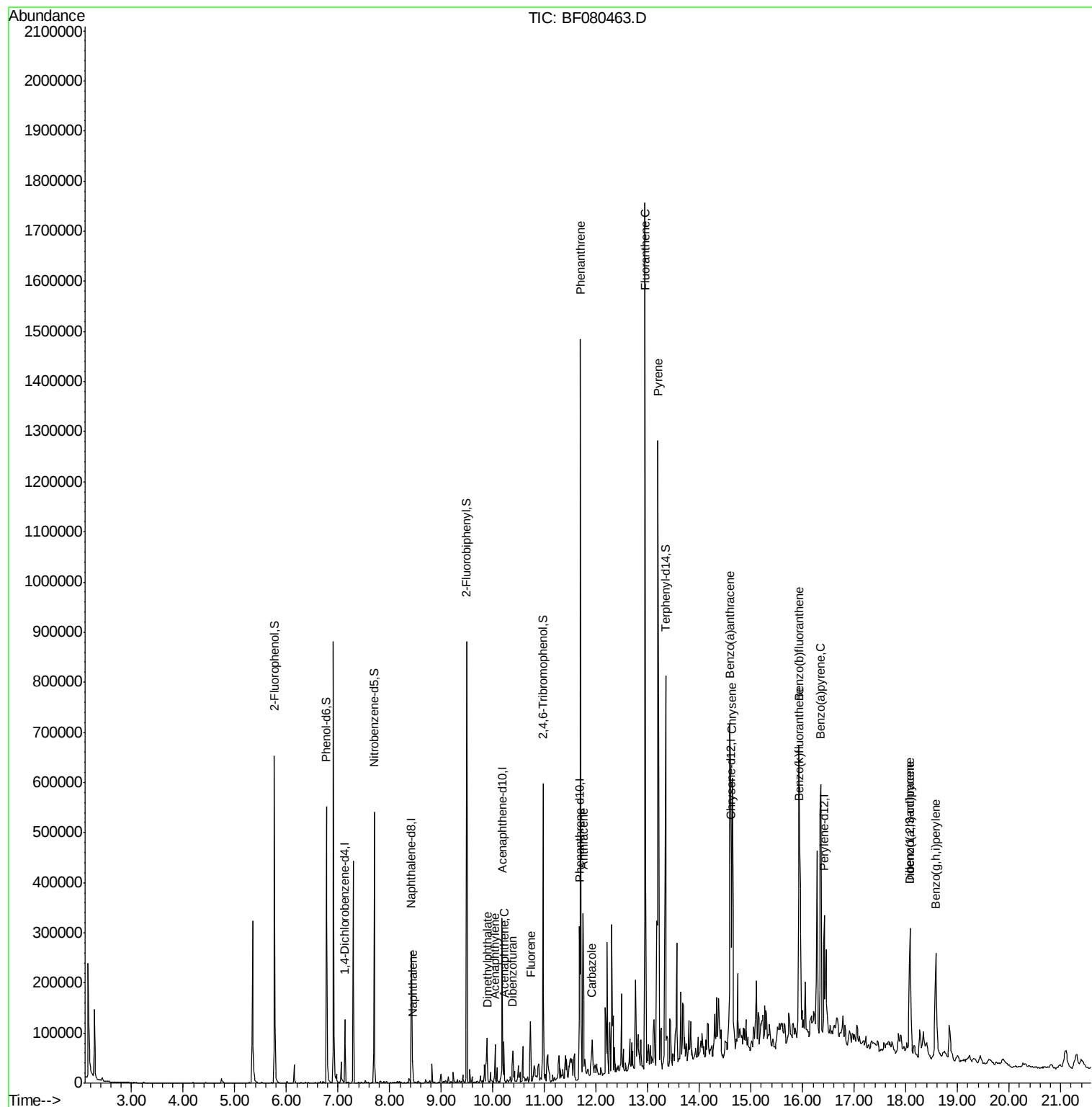
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080463.D
Acq On : 14 Jul 2015 12:24
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ALS Vial : 34 Sample Multiplier: 1

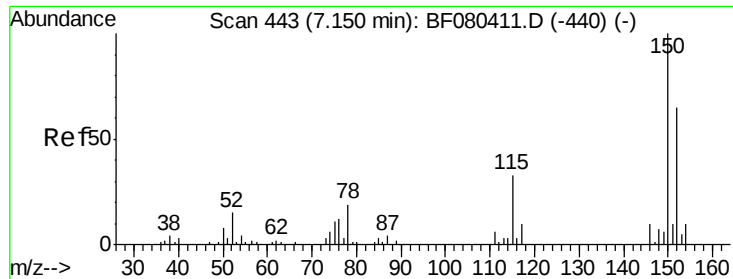
Instrument :
BNA_F
ClientSampleId :
TEC-B2

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Quant Time: Jul 14 13:23:35 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 11 05:35:30 2015
Response via : Initial Calibration





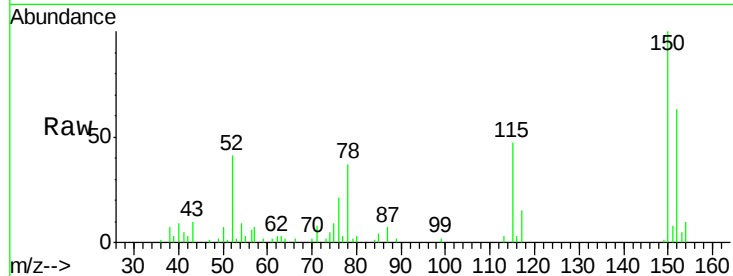
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 441
 Delta R.T. -0.02 min
 Lab File: BF080463.D
 Acq: 14 Jul 2015 12:24

Instrument :
 BNA_F
 ClientSampled :
 TEC-B2

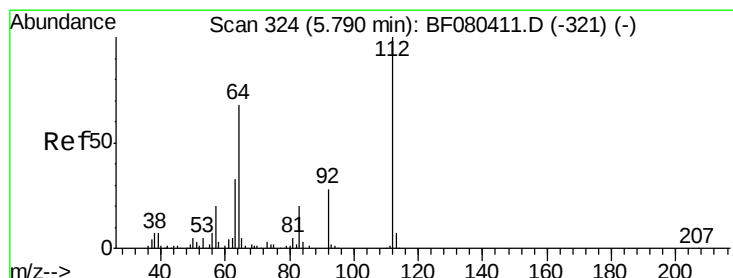
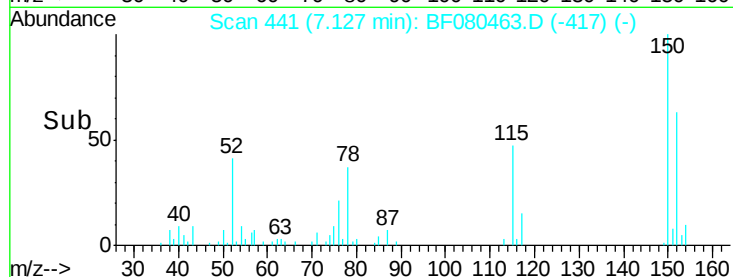
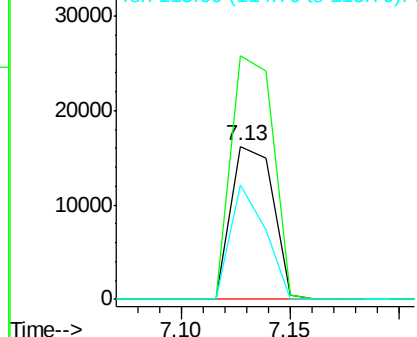
Tgt Ion:152 Resp: 21702
 Ion Ratio Lower Upper
 152 100
 150 159.1 122.3 183.5
 115 74.7 41.0 61.4#

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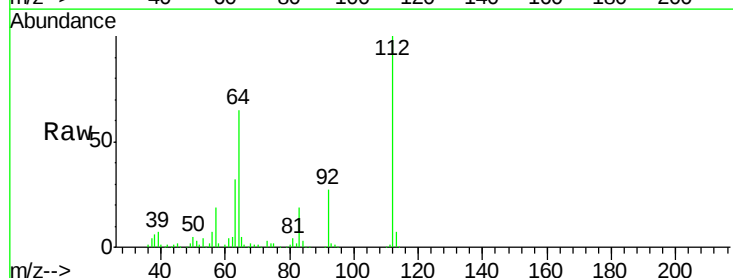


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

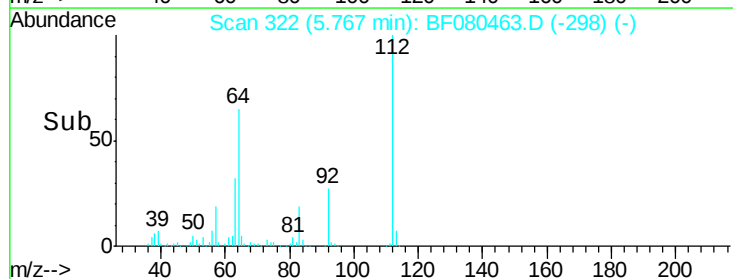
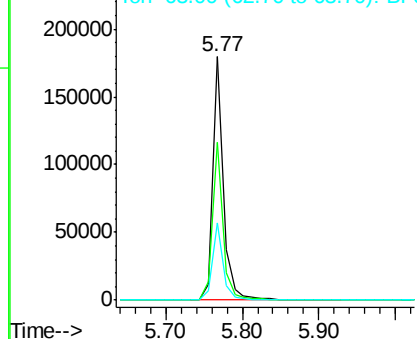


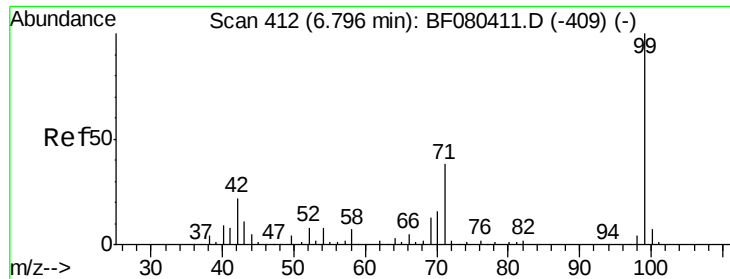
#5
 2-Fluorophenol
 Concen: 133.38 ng
 RT: 5.77 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: BF080463.D
 Acq: 14 Jul 2015 12:24

Tgt Ion:112 Resp: 168921
 Ion Ratio Lower Upper
 112 100
 64 64.9 54.3 81.5
 63 31.8 26.7 40.1



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





#7

Phenol-d6

Concen: 133.56 ng

RT: 6.77 min Scan# 410

Delta R.T. -0.02 min

Lab File: BF080463.D

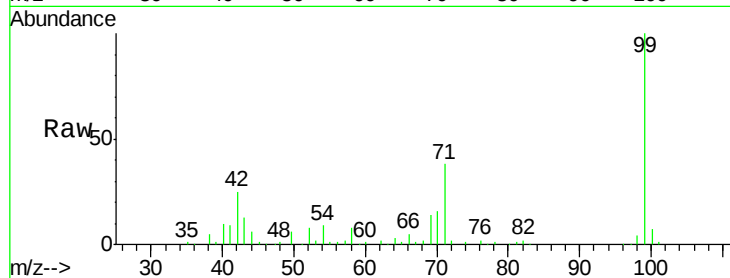
Acq: 14 Jul 2015 12:24

Instrument :

BNA_F

ClientSampleId :

TEC-B2



Tgt Ion: 99 Resp: 225355

Ion Ratio Lower Upper

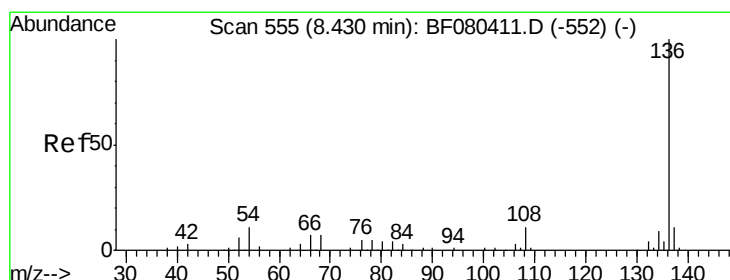
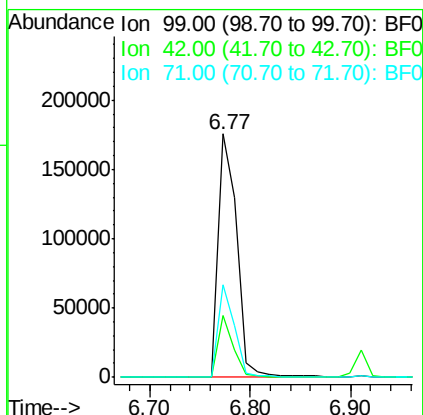
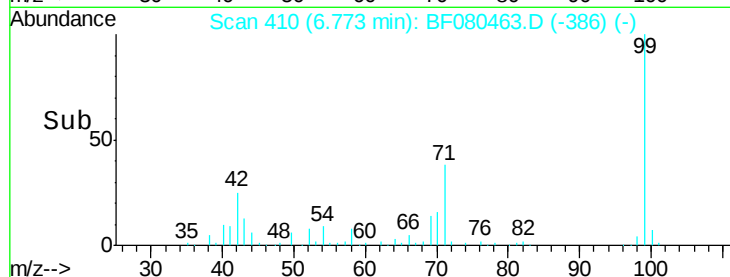
99 100

42 25.4 17.9 26.9

71 38.0 30.1 45.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.42 min Scan# 554

Delta R.T. -0.01 min

Lab File: BF080463.D

Acq: 14 Jul 2015 12:24

Tgt Ion: 136 Resp: 101573

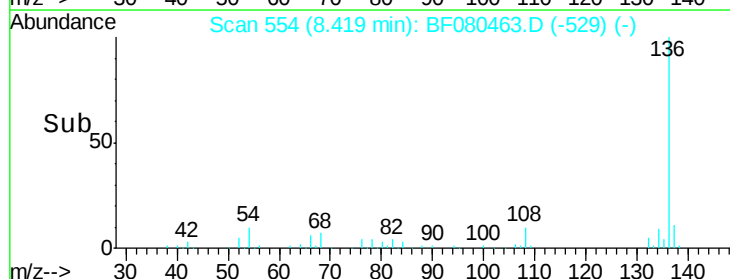
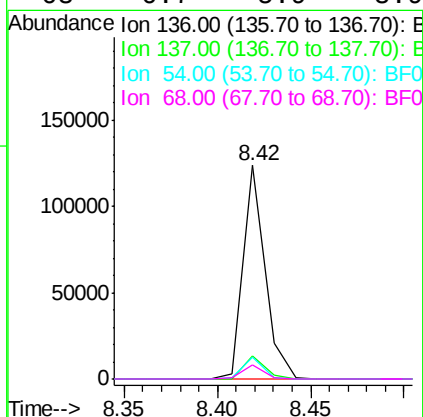
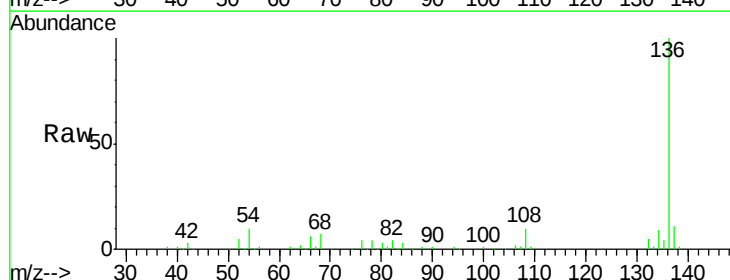
Ion Ratio Lower Upper

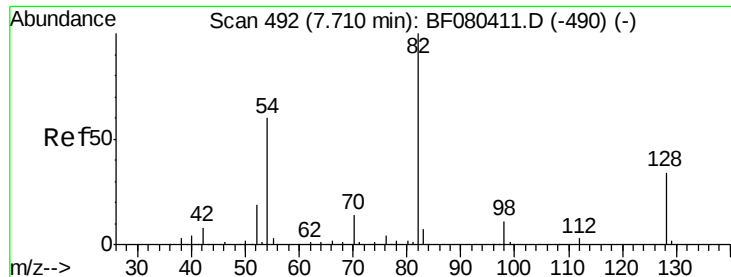
136 100

137 10.9 9.0 13.4

54 10.3 9.1 13.7

68 6.7 5.9 8.9





#23

Nitrobenzene-d5

Concen: 84.07 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF080463.D

Acq: 14 Jul 2015 12:24

Instrument :

BNA_F

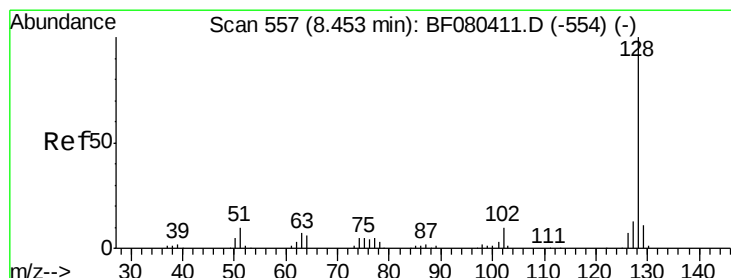
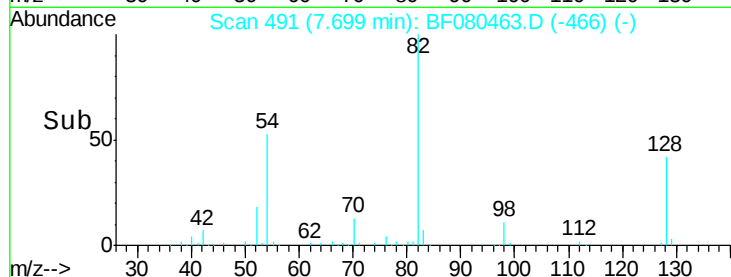
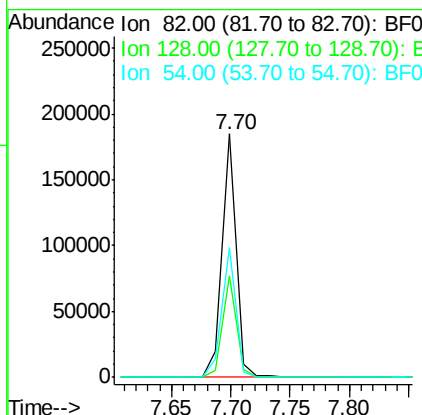
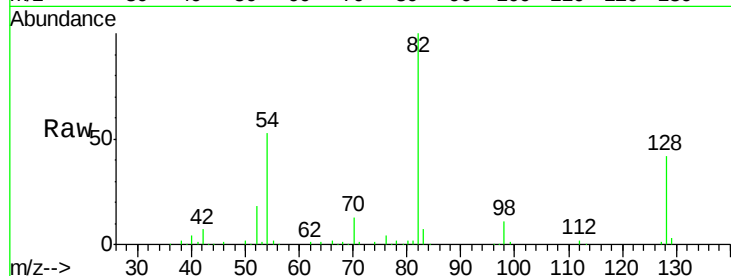
ClientSampled :

TEC-B2

Tgt Ion:	82	Resp:	149730
Ion Ratio	Lower	Upper	
82	100		
128	41.8	26.9	40.3#
54	53.1	47.7	71.5

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#31

Naphthalene

Concen: 3.06 ng

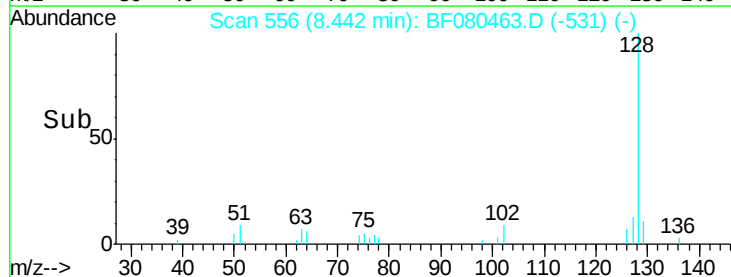
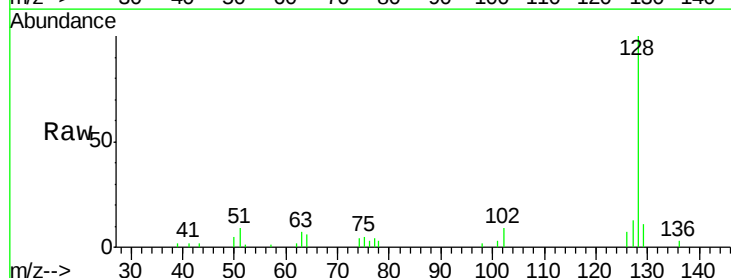
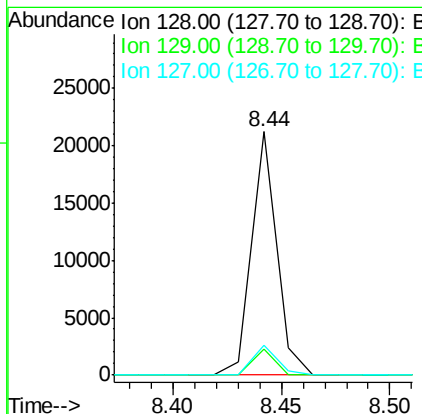
RT: 8.44 min Scan# 556

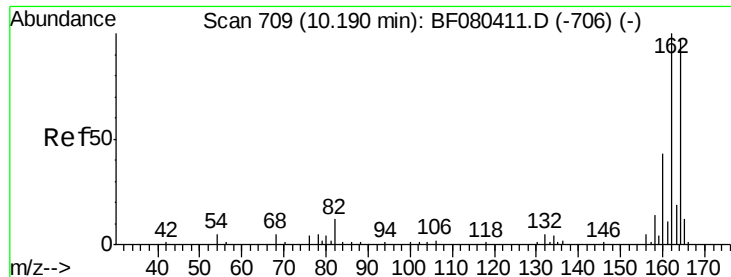
Delta R.T. -0.01 min

Lab File: BF080463.D

Acq: 14 Jul 2015 12:24

Tgt Ion:	128	Resp:	17007
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.1	13.7
127	12.5	10.7	16.1





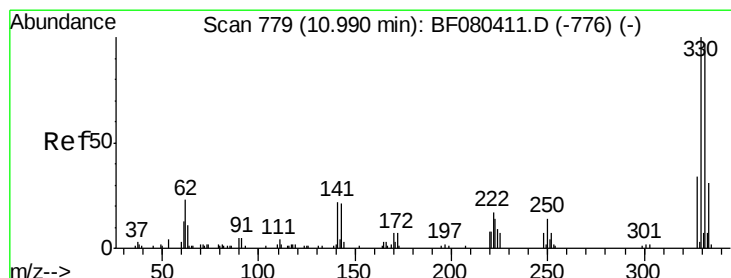
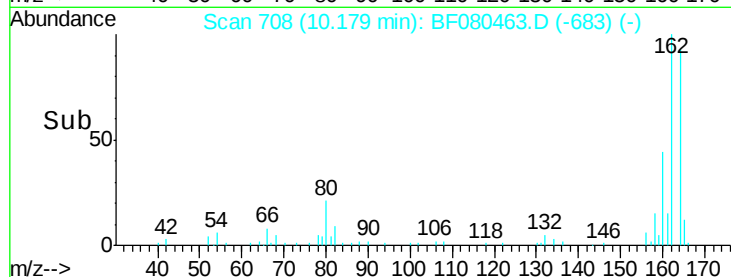
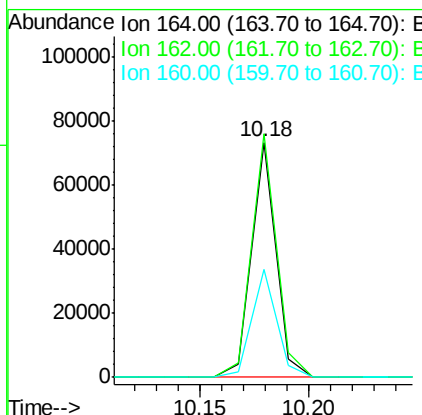
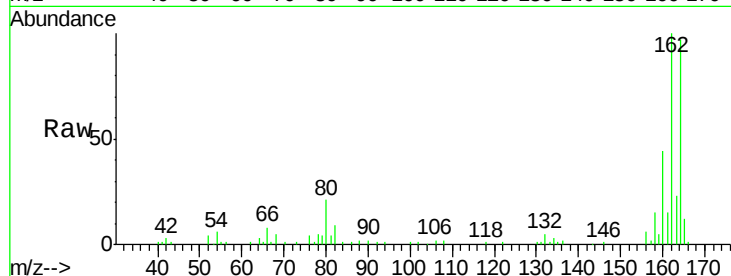
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.18 min Scan# 708
Delta R.T. -0.01 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Instrument :
BNA_F
ClientSampled :
TEC-B2

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56967		
162	103.5	82.7	124.1	
160	45.8	35.5	53.3	

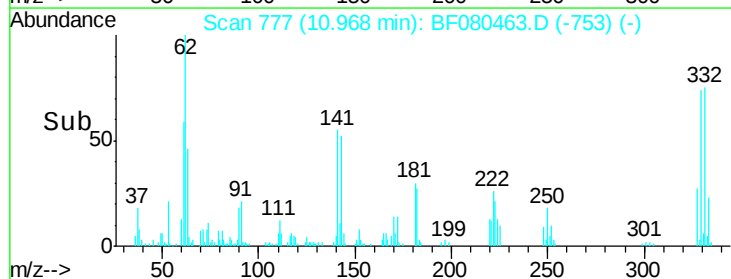
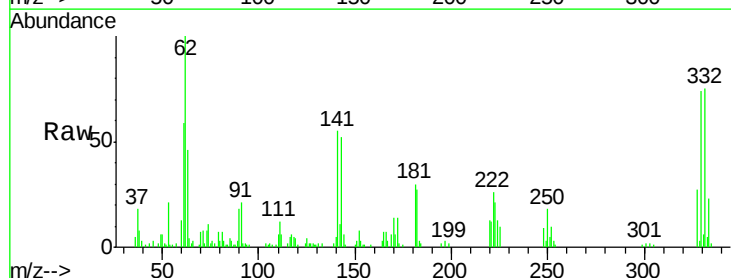
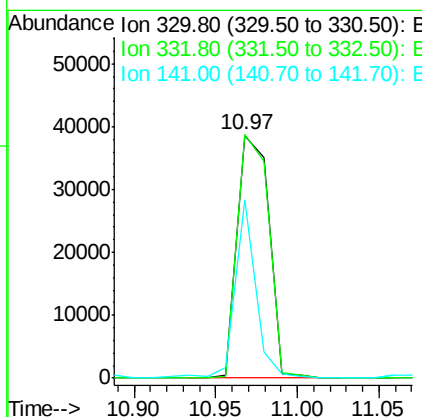
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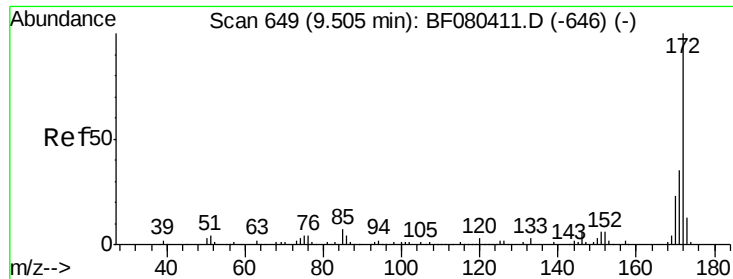
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#41
2,4,6-Tribromophenol
Concen: 92.89 ng
RT: 10.97 min Scan# 777
Delta R.T. -0.02 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	51645		
332	99.1	78.0	117.0	
141	48.1	28.6	43.0	





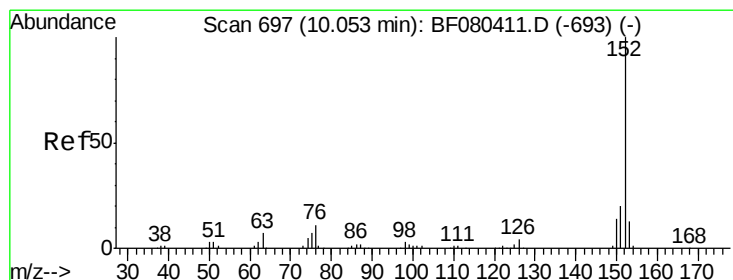
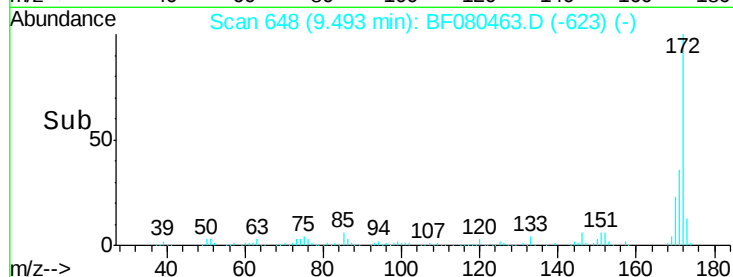
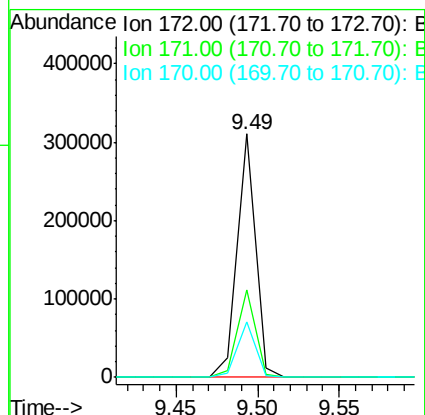
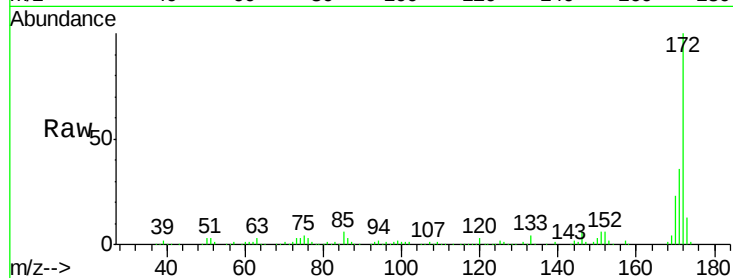
#44
 2-Fluorobiphenyl
 Concen: 56.62 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF080463.D
 Acq: 14 Jul 2015 12:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	239490		
171	35.7	28.4	42.6	
170	23.0	18.6	28.0	

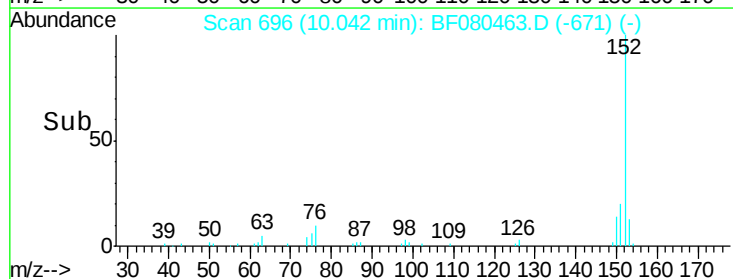
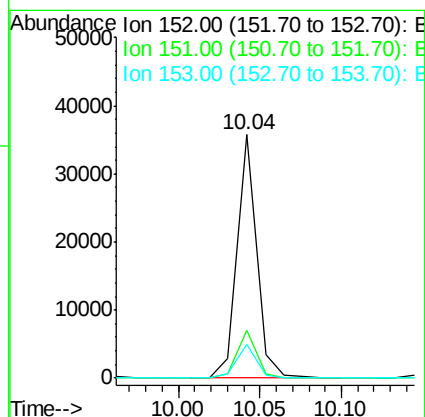
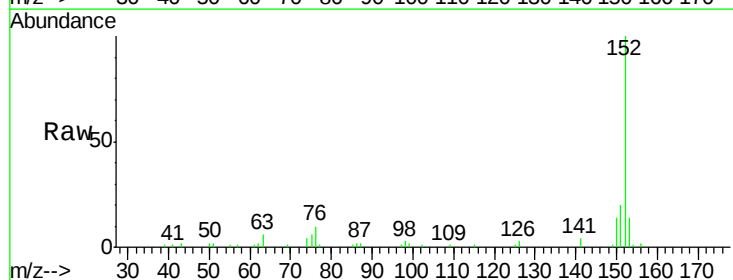
Manual Integrations
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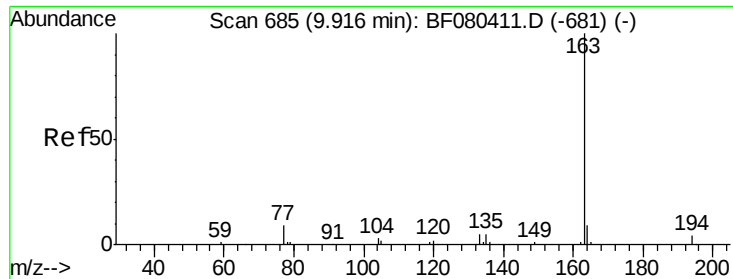
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#48
 Acenaphthylene
 Concen: 4.69 ng
 RT: 10.04 min Scan# 696
 Delta R.T. -0.01 min
 Lab File: BF080463.D
 Acq: 14 Jul 2015 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	29389		
151	19.7	15.8	23.8	
153	13.9	10.2	15.4	





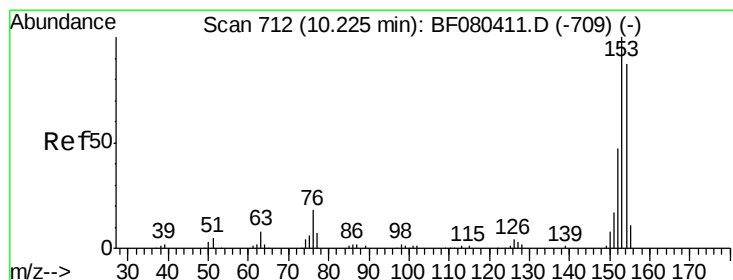
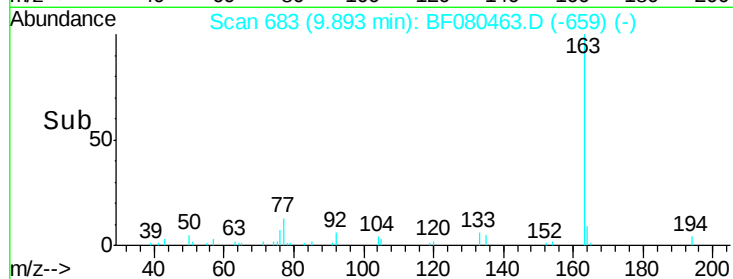
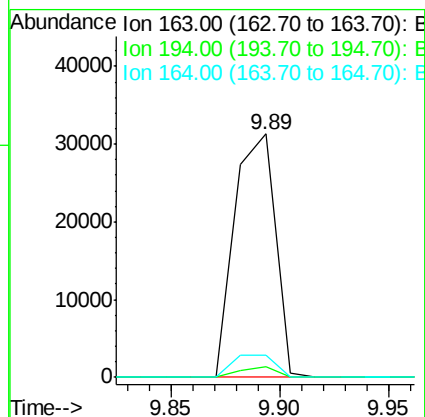
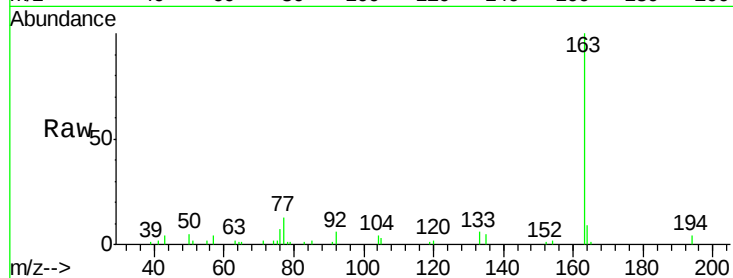
#49
Dimethylphthalate
Concen: 9.43 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.02 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Instrument :
BNA_F
ClientSampleId :
TEC-B2

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	40627		
194	4.2		3.4	5.2
164	9.3		7.4	11.0

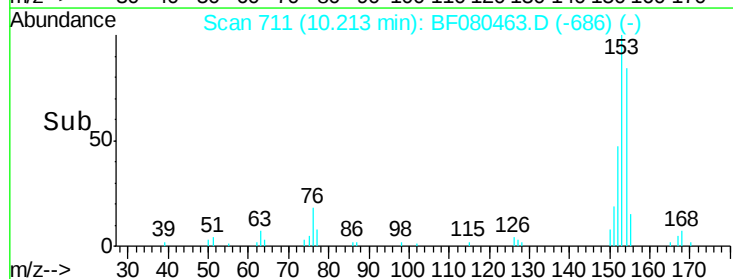
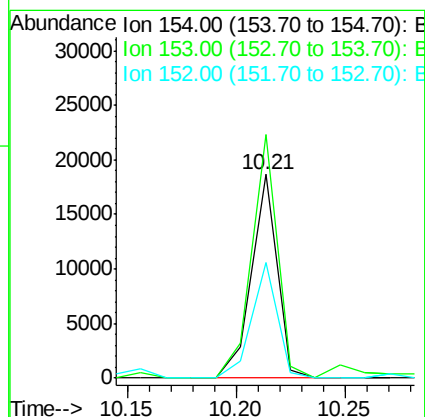
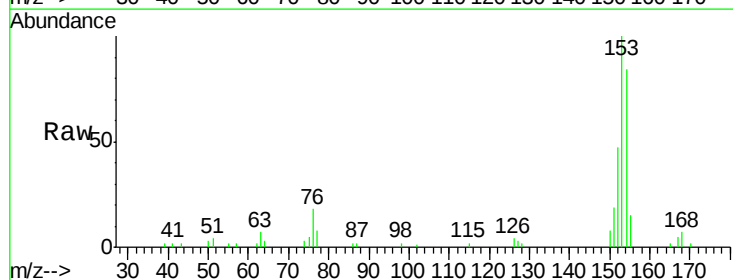
Manual Integrations
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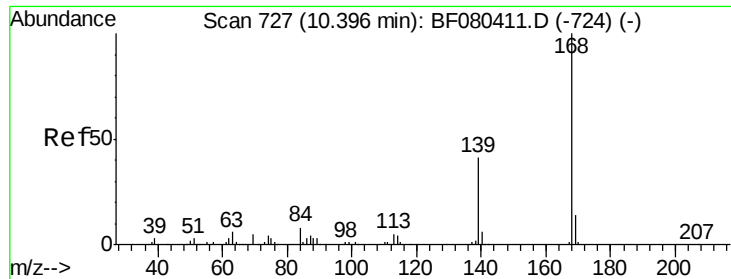
apatel
7/15/2015 8:28:38 AM



#51
Acenaphthene
Concen: 3.83 ng
RT: 10.21 min Scan# 711
Delta R.T. -0.01 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	15263		
153	119.5		91.7	137.5
152	56.8		43.5	65.3





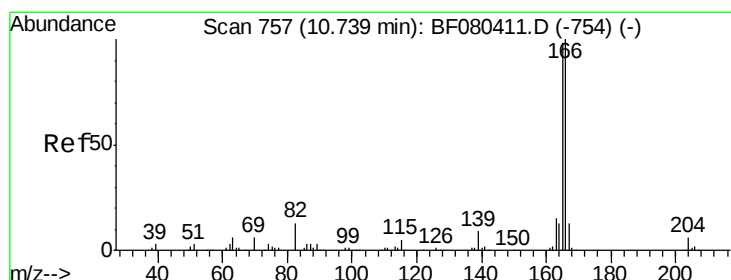
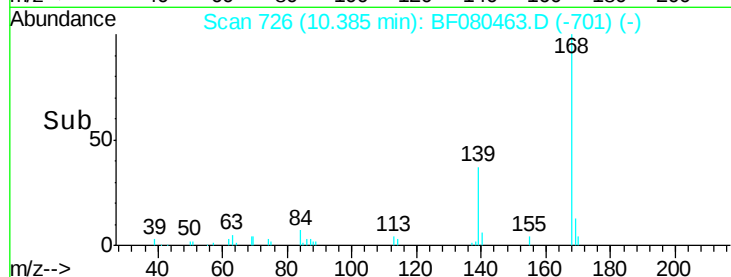
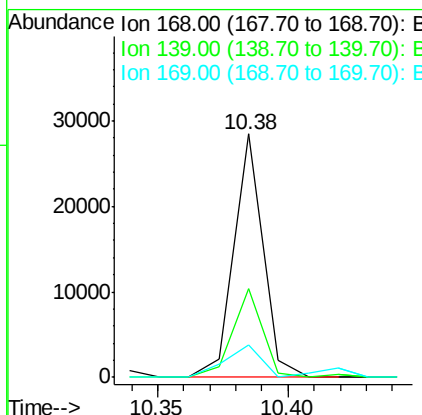
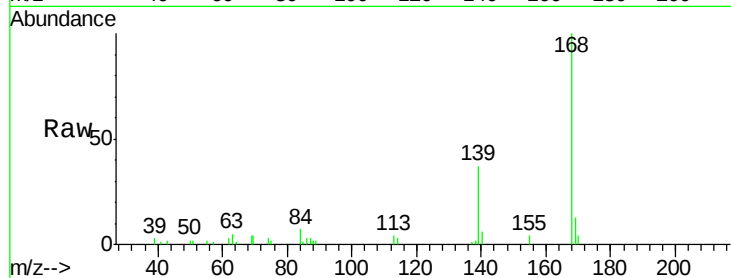
#54
Dibenzofuran
Concen: 4.24 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Instrument :
BNA_F
ClientSampleId :
TEC-B2

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	22396		
139	36.7		33.4	50.2
169	13.3		11.1	16.7

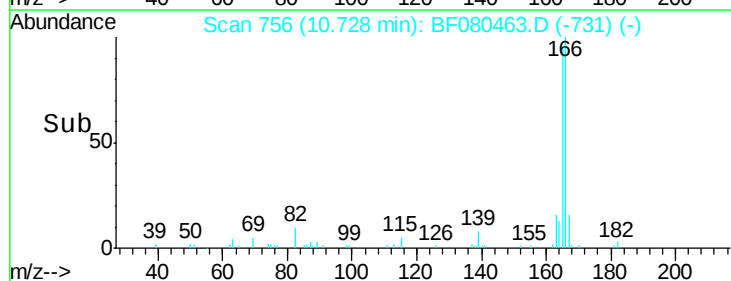
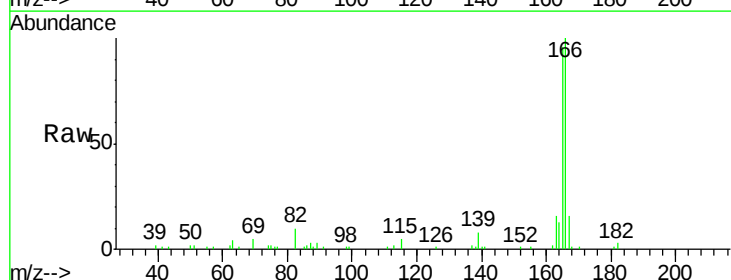
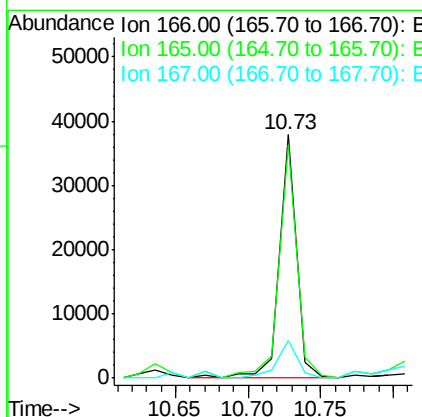
Manual Integrations
APPROVED

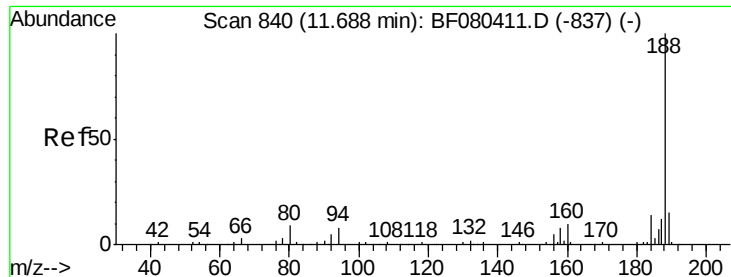
apatel
7/15/2015 8:28:38 AM



#57
Fluorene
Concen: 7.02 ng
RT: 10.73 min Scan# 756
Delta R.T. -0.01 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	31228		
165	95.6		78.3	117.5
167	15.6		10.6	15.8





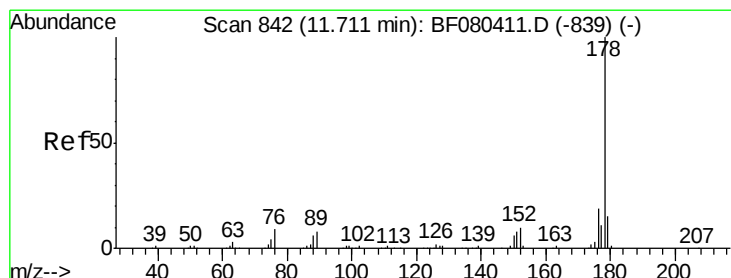
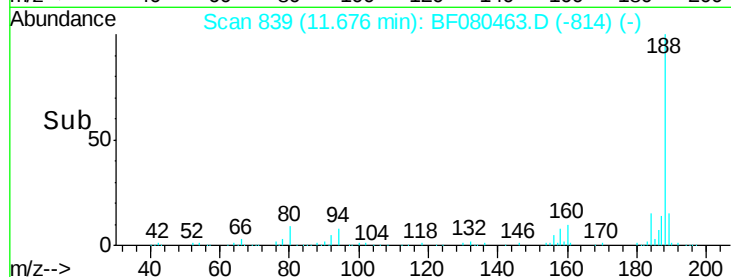
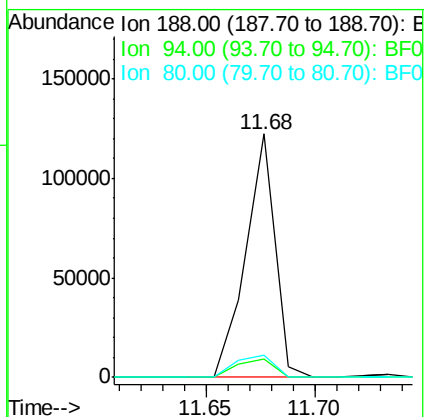
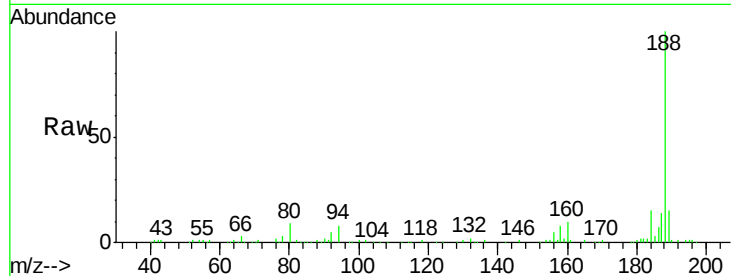
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.68 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Instrument :
BNA_F
ClientSampleId :
TEC-B2

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.7	6.7	10.1
80	9.1	7.5	11.3

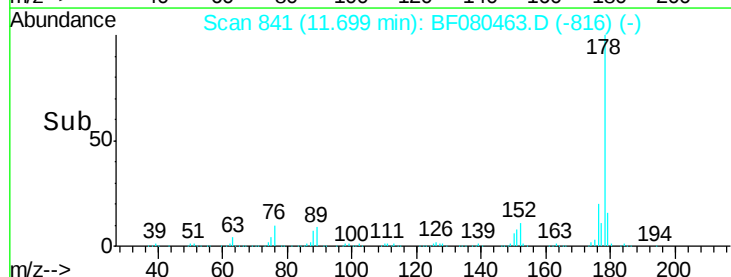
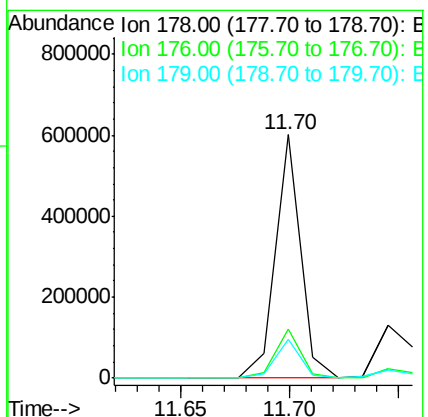
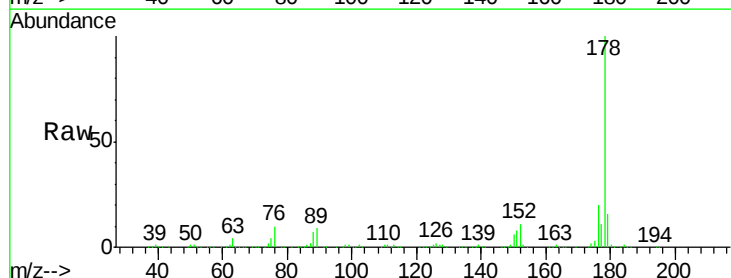
Manual Integrations
APPROVED

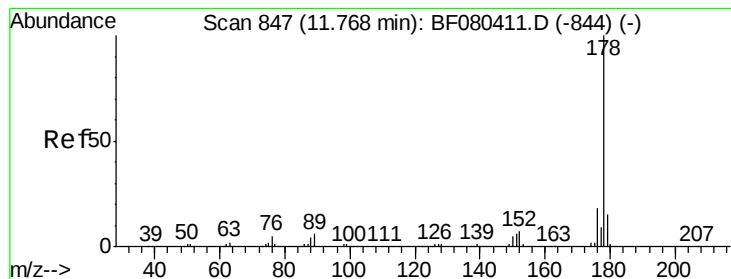
apatel
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#70
Phenanthrene
Concen: 71.68 ng
RT: 11.70 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	15.2	22.8
179	15.9	12.4	18.6





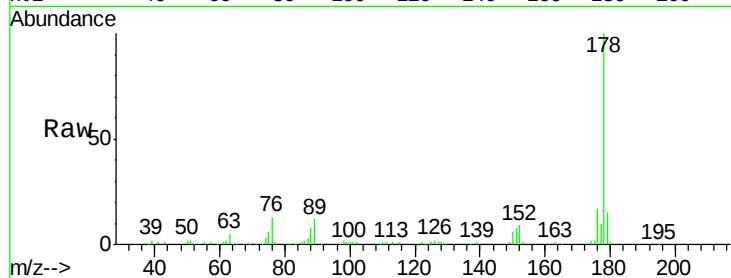
#71
 Anthracene
 Concen: 23.57 ng
 RT: 11.74 min Scan# 845
 Delta R.T. -0.02 min
 Lab File: BF080463.D
 Acq: 14 Jul 2015 12:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2

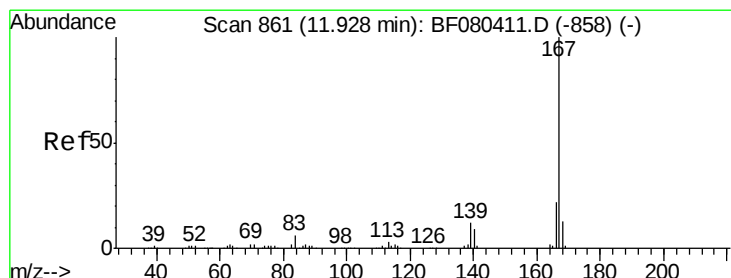
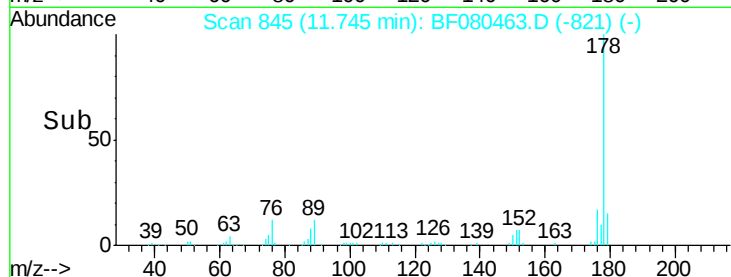
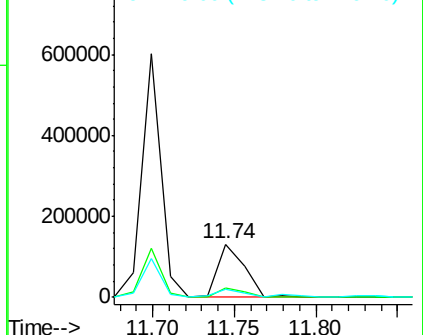
Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.3	14.2	21.4
179	15.5	11.6	17.4

Manual Integrations
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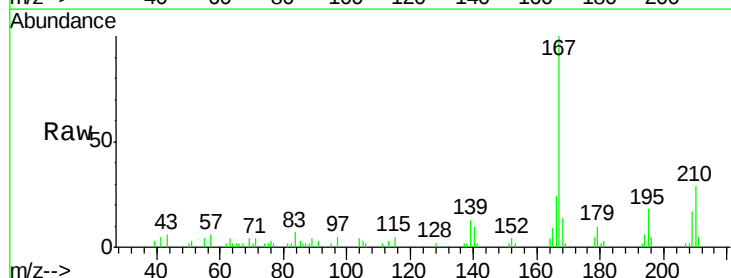


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

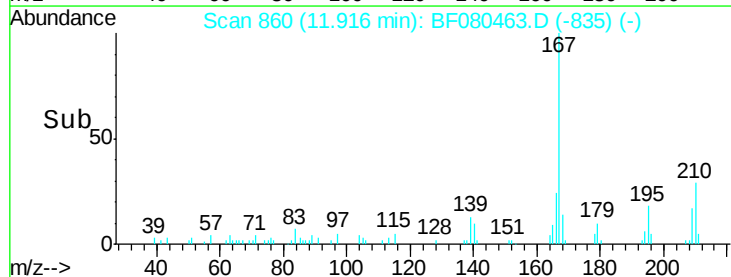
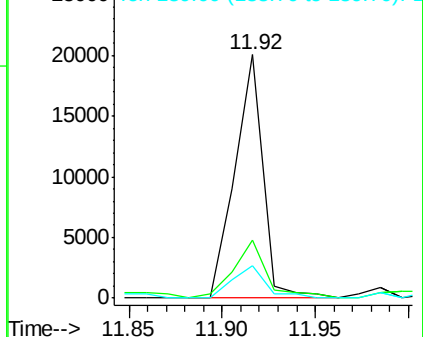


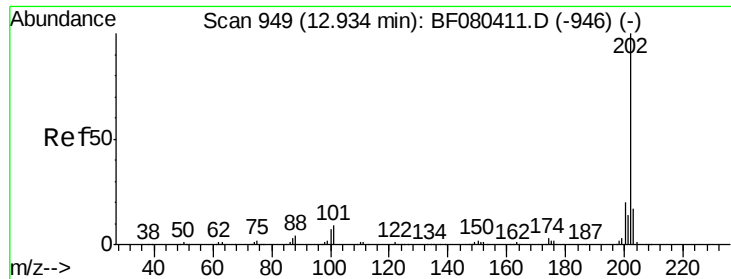
#72
 Carbazole
 Concen: 3.60 ng
 RT: 11.92 min Scan# 860
 Delta R.T. -0.01 min
 Lab File: BF080463.D
 Acq: 14 Jul 2015 12:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.9	17.4	26.2
139	13.1	9.5	14.3



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: 95.40 ng

RT: 12.95 min Scan# 950

Delta R.T. 0.01 min

Lab File: BF080463.D

Acq: 14 Jul 2015 12:24

Instrument :

BNA_F

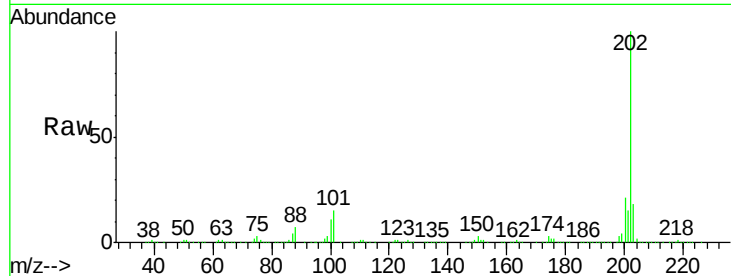
ClientSampleId :

TEC-B2

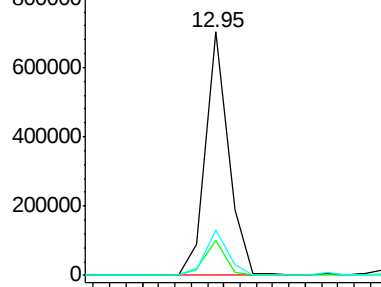
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		679276		
101	14.5	0.0	28.8		
203	18.4	0.0	37.3		

Manual Integrations
APPROVED

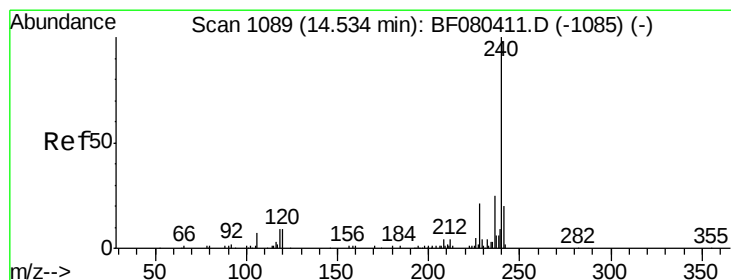
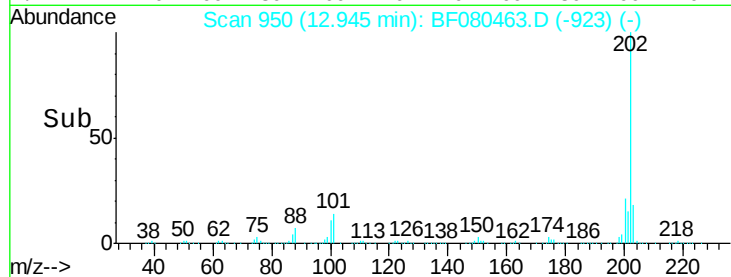
apatel
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

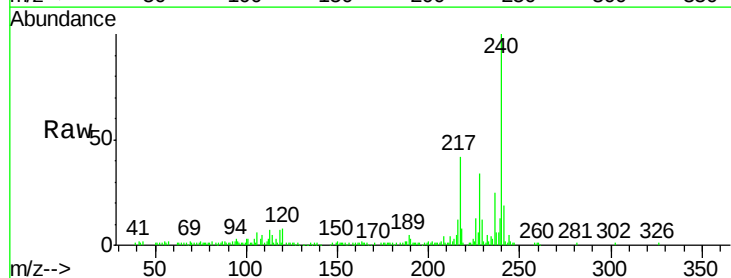
RT: 14.61 min Scan# 1096

Delta R.T. 0.08 min

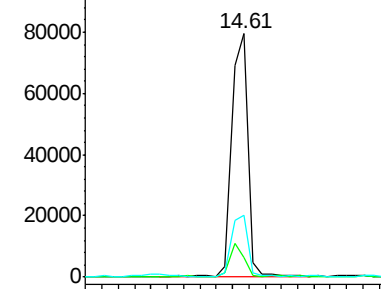
Lab File: BF080463.D

Acq: 14 Jul 2015 12:24

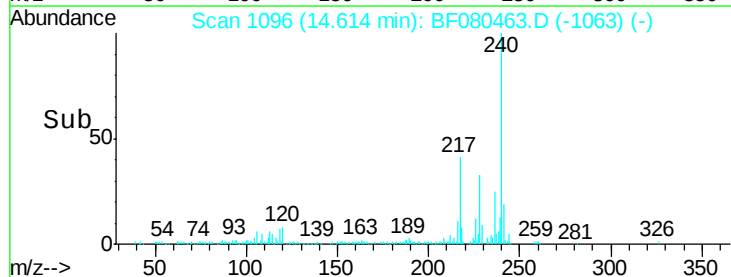
Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		111373		
120	8.0	7.4	11.2		
236	25.2	19.7	29.5		

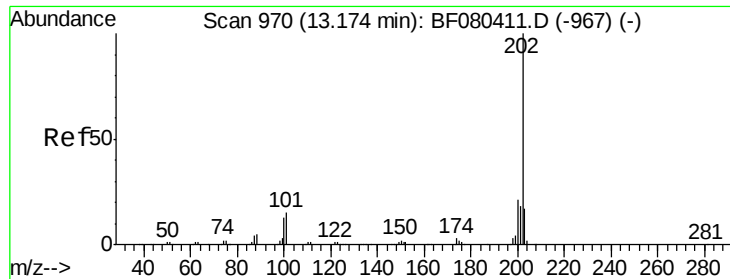


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





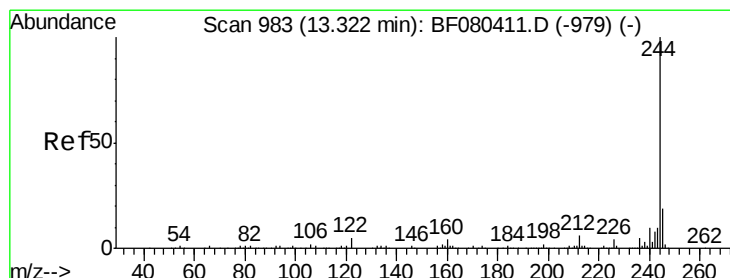
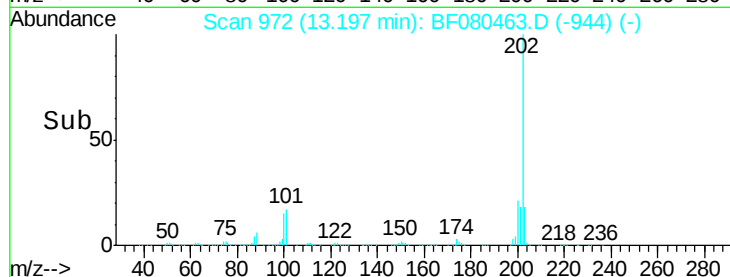
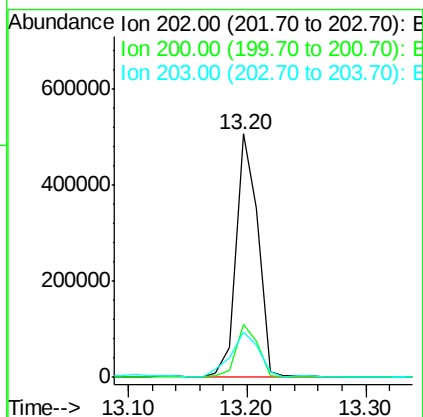
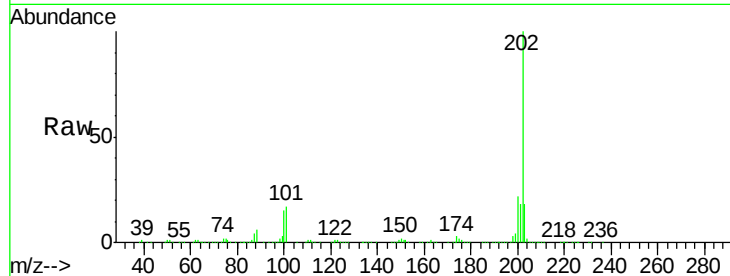
#77
Pyrene
Concen: 91.14 ng
RT: 13.20 min Scan# 972
Delta R.T. 0.02 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Instrument :
BNA_F
ClientSampleId :
TEC-B2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.5	17.0	25.6
203	18.3	13.8	20.8

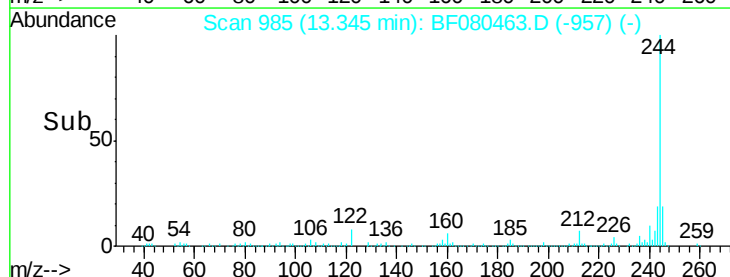
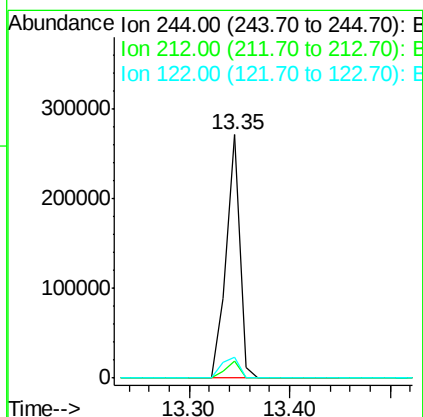
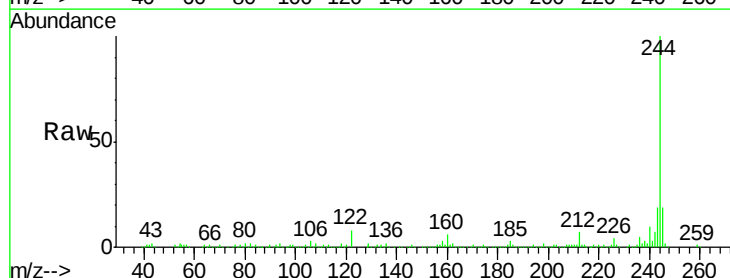
Manual Integrations
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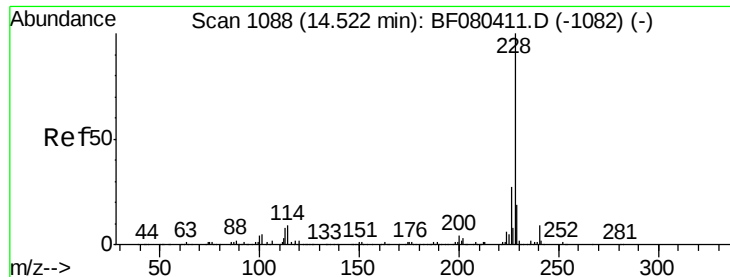
apatel
7/15/2015 8:28:38 AM



#78
Terphenyl-d14
Concen: 50.34 ng
RT: 13.35 min Scan# 985
Delta R.T. 0.02 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	4.9	7.3
122	8.5	4.1	6.1





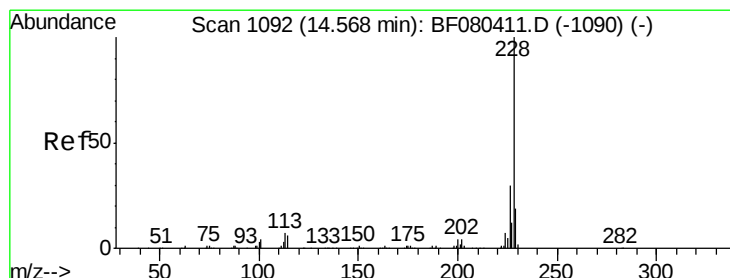
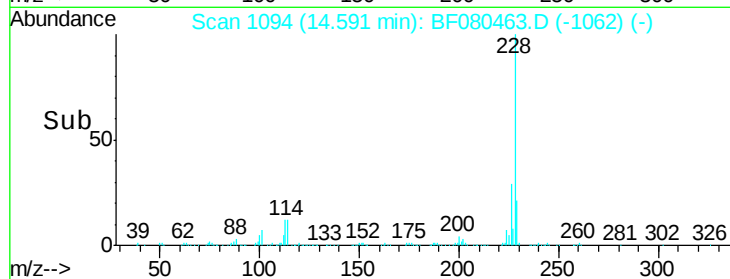
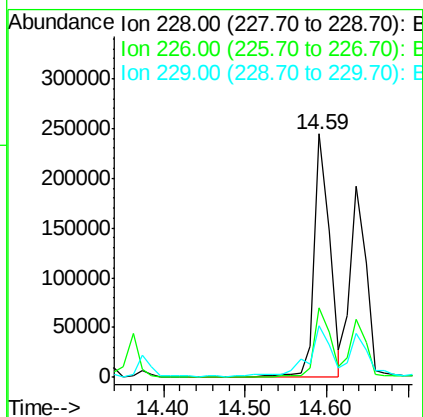
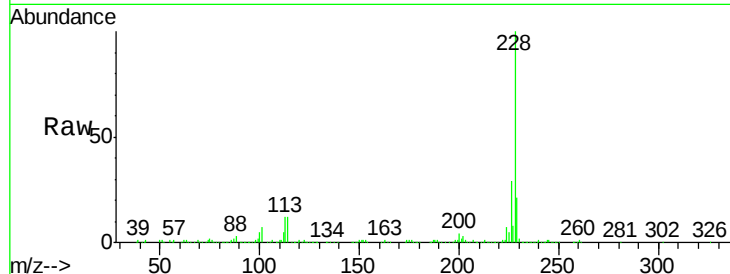
#80
Benzo(a)anthracene
Concen: 44.78 ng
RT: 14.59 min Scan# 1094
Delta R.T. 0.07 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Instrument :
BNA_F
ClientSampleId :
TEC-B2

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.7	32.5
229	21.0	15.5	23.3

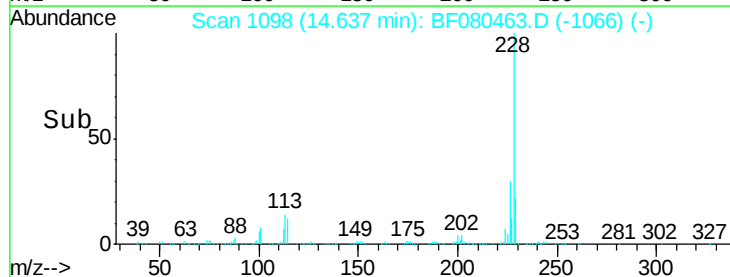
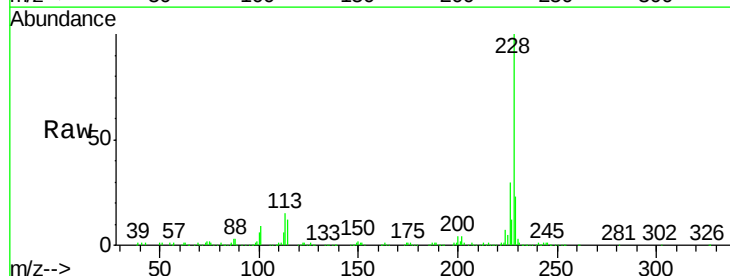
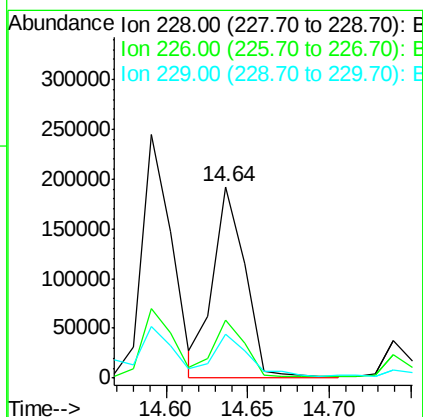
Manual Integrations
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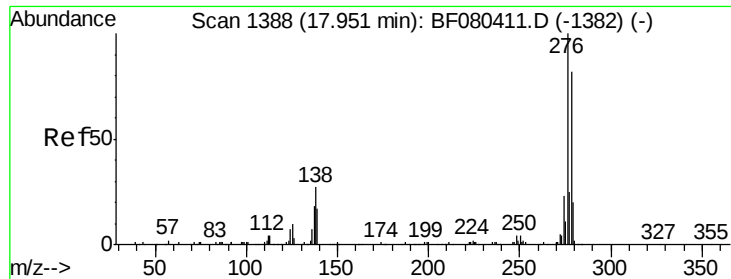
apatel
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#82
Chrysene
Concen: 40.26 ng
RT: 14.64 min Scan# 1098
Delta R.T. 0.07 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.3	36.5
229	22.7	15.5	23.3





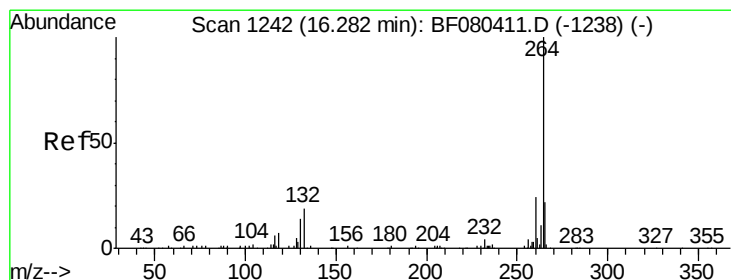
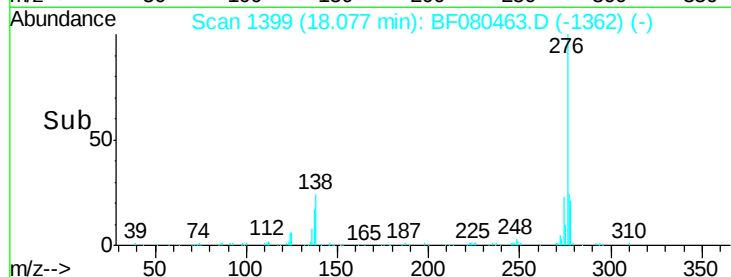
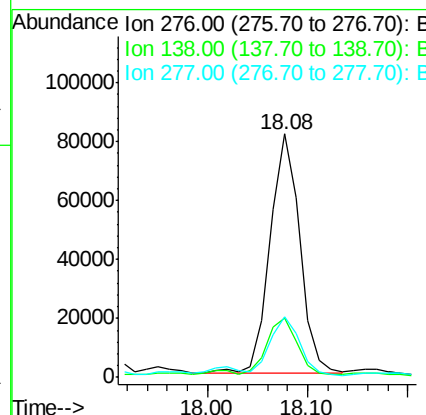
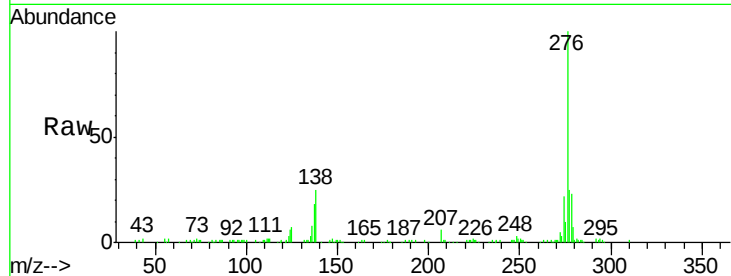
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 20.88 ng
 RT: 18.08 min Scan# 1399
 Delta R.T. 0.13 min
 Lab File: BF080463.D
 Acq: 14 Jul 2015 12:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	21.4	32.0
277	23.9	19.5	29.3

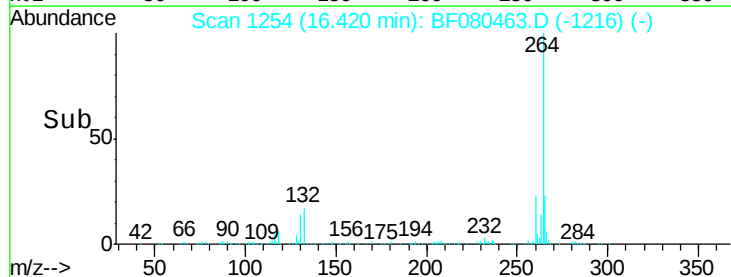
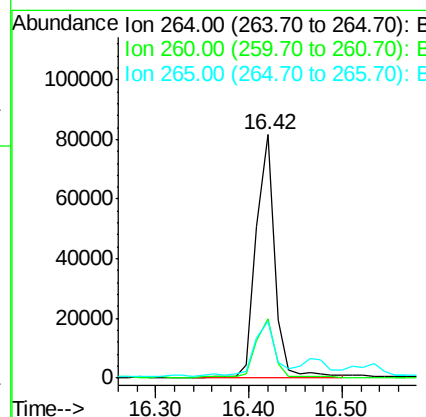
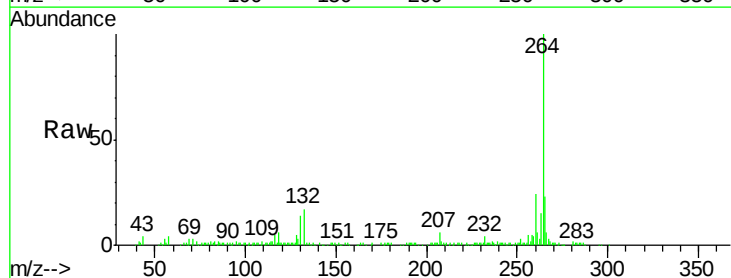
Manual Integrations
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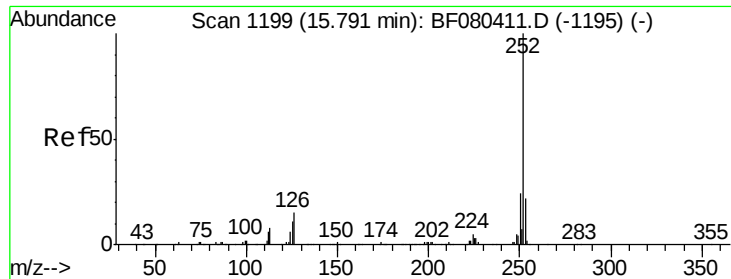
apatel
 7/15/2015 8:28:38 AM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.42 min Scan# 1254
 Delta R.T. 0.14 min
 Lab File: BF080463.D
 Acq: 14 Jul 2015 12:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	23.4	17.8	26.8





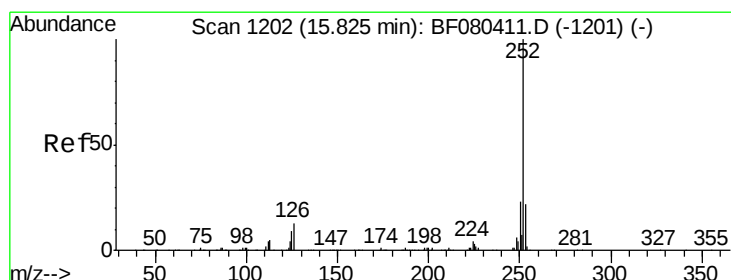
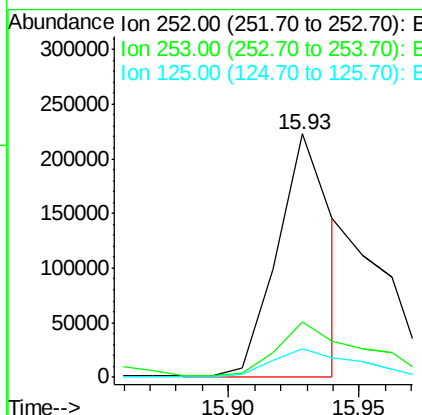
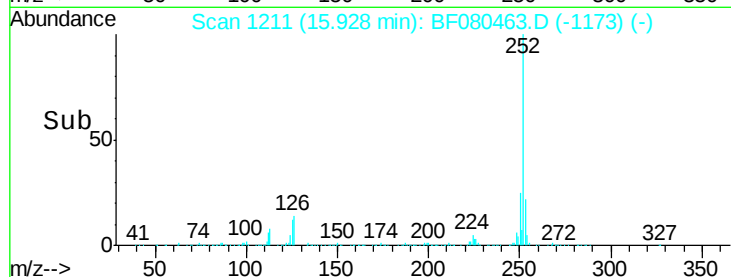
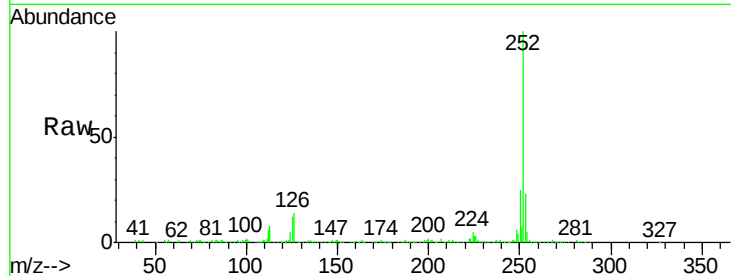
#87
Benzo(b)fluoranthene
Concen: 41.01 ng m
RT: 15.93 min Scan# 1211
Delta R.T. 0.14 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Instrument :
BNA_F
ClientSampleId :
TEC-B2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.8
125	11.7	8.6	12.8

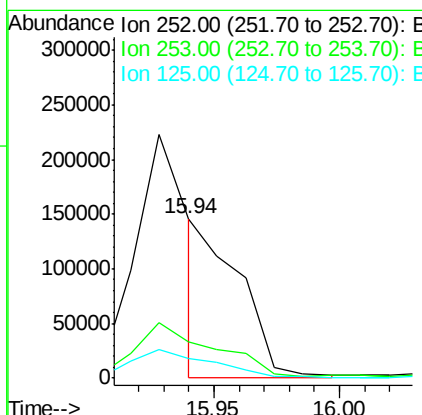
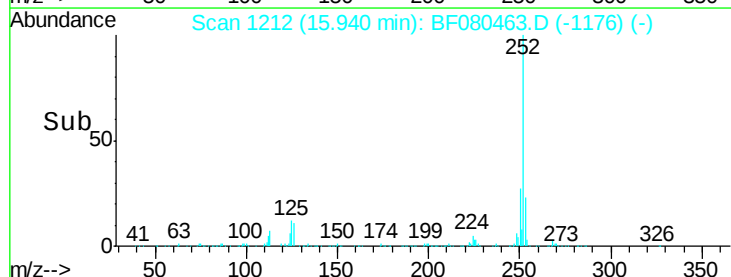
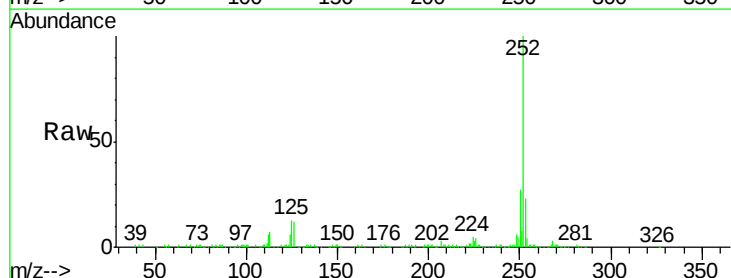
Manual Integrations
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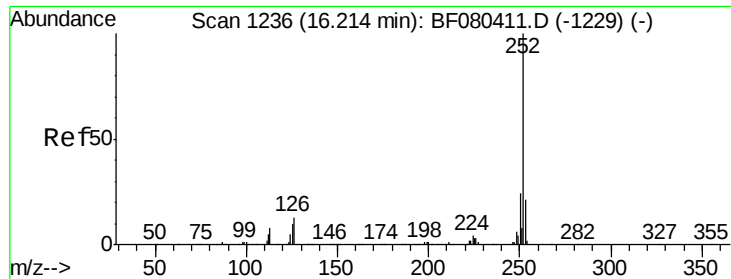
apatel
7/15/2015 8:28:38 AM



#88
Benzo(k)fluoranthene
Concen: 23.05 ng m
RT: 15.94 min Scan# 1212
Delta R.T. 0.11 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	12.5	8.4	12.6





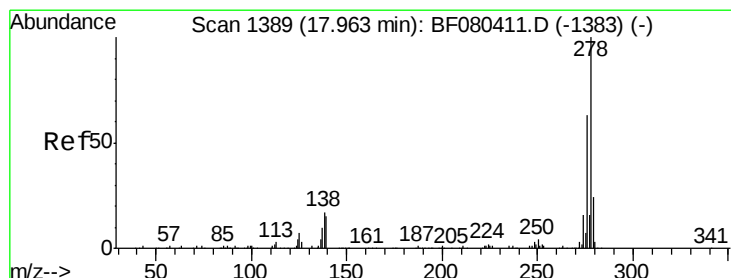
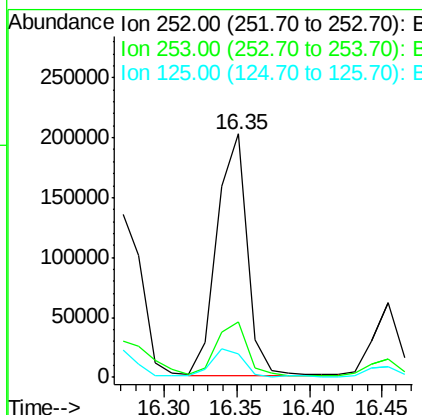
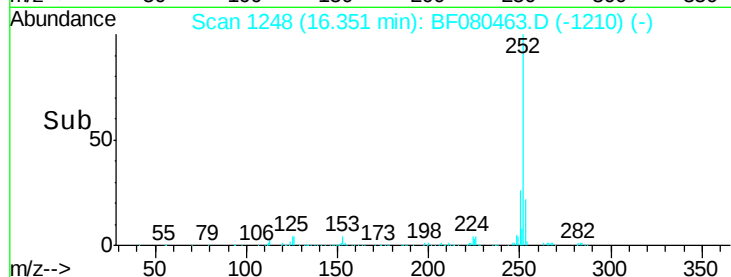
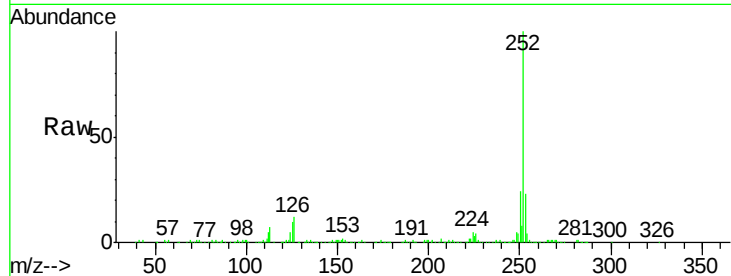
#89
Benzo(a)pyrene
Concen: 41.73 ng
RT: 16.35 min Scan# 1248
Delta R.T. 0.14 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Instrument :
BNA_F
ClientSampleId :
TEC-B2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	9.5	8.1	12.1

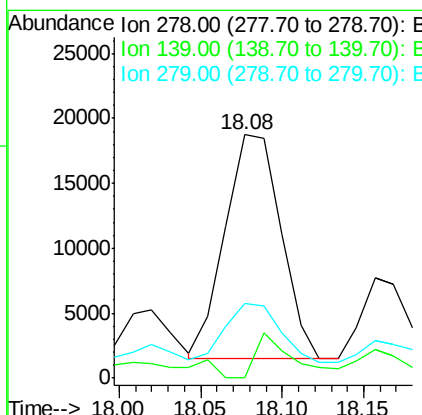
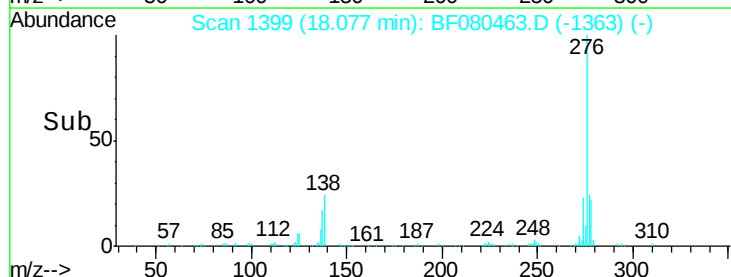
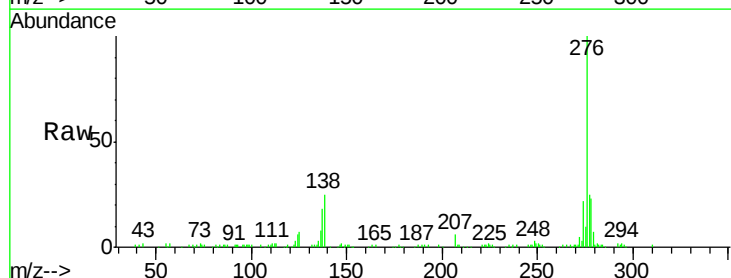
Manual Integrations
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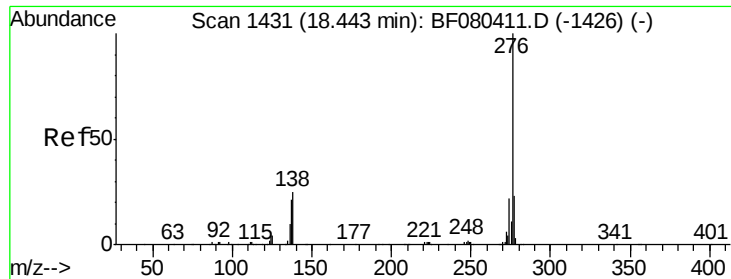
apatel
7/15/2015 8:28:38 AM



#90
Dibenzo(a,h)anthracene
Concen: 5.91 ng
RT: 18.08 min Scan# 1399
Delta R.T. 0.11 min
Lab File: BF080463.D
Acq: 14 Jul 2015 12:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.8	17.8#
279	30.7	18.8	28.2#





#91
 Benzo(g,h,i)perylene
 Concen: 25.11 ng
 RT: 18.58 min Scan# 1443
 Delta R.T. 0.14 min
 Lab File: BF080463.D
 Acq: 14 Jul 2015 12:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B2

Tgt Ion:	276	Resp:	172699
Ion Ratio		Lower	Upper
276	100		
277	24.4	18.2	27.4
138	25.5	20.3	30.5

Manual Integrations
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