

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
 Data File : BF080876.D
 Acq On : 5 Aug 2015 11:40
 Operator : TP/UM
 Sample : G3186-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Manual Integrations
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MMDadoda
 8/5/2015 7:01:48 PM

Quant Time: Aug 05 16:05:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 05 01:46:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	52757	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	184246	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	73304	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	112563	20.00	ng	0.00
75) Chrysene-d12	13.96	240	101619	20.00	ng	0.00
86) Perylene-d12	15.38	264	127885	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	458647	131.58	ng	0.01
7) Phenol-d6	6.45	99	550836	120.88	ng	0.00
23) Nitrobenzene-d5	7.39	82	377480	96.55	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	79089	111.88	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	503112	92.42	ng	0.00
78) Terphenyl-d14	12.92	244	270995	48.27	ng	0.00
Target Compounds						Qvalue
6) Aniline	6.49	93	25884	3.90	ng	96
13) 1,4-Dichlorobenzene	6.84	146	18905	4.50	ng	99
30) 1,2,4-Trichlorobenzene	8.05	180	12737	4.38	ng	90
49) Dimethylphthalate	9.57	163	63448	11.87	ng	99
61) 4-Nitroaniline	10.41	138	11569	9.39	ng	98
70) Phenanthrene	11.36	178	51320	7.89	ng	99
71) Anthracene	11.41	178	13119	2.08	ng	97
74) Fluoranthene	12.55	202	116677	18.42	ng	99
77) Pyrene	12.77	202	100034	10.97	ng	98
80) Benzo(a)anthracene	13.95	228	76967	11.32	ng	97
81) 3,3'-Dichlorobenzidine	13.93	252	111407	44.11	ng	# 93
82) Chrysene	13.99	228	60572	8.74	ng	96
83) Bis(2-ethylhexyl)phthalate	13.96	149	20259	4.07	ng	99
85) Indeno(1,2,3-cd)pyrene	16.73	276	43537m	7.66	ng	
87) Benzo(b)fluoranthene	14.98	252	111558m	11.66	ng	
88) Benzo(k)fluoranthene	15.00	252	32469m	4.41	ng	
89) Benzo(a)pyrene	15.31	252	68966	8.83	ng	# 93
91) Benzo(g,h,i)perylene	17.14	276	36763	5.61	ng	96

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

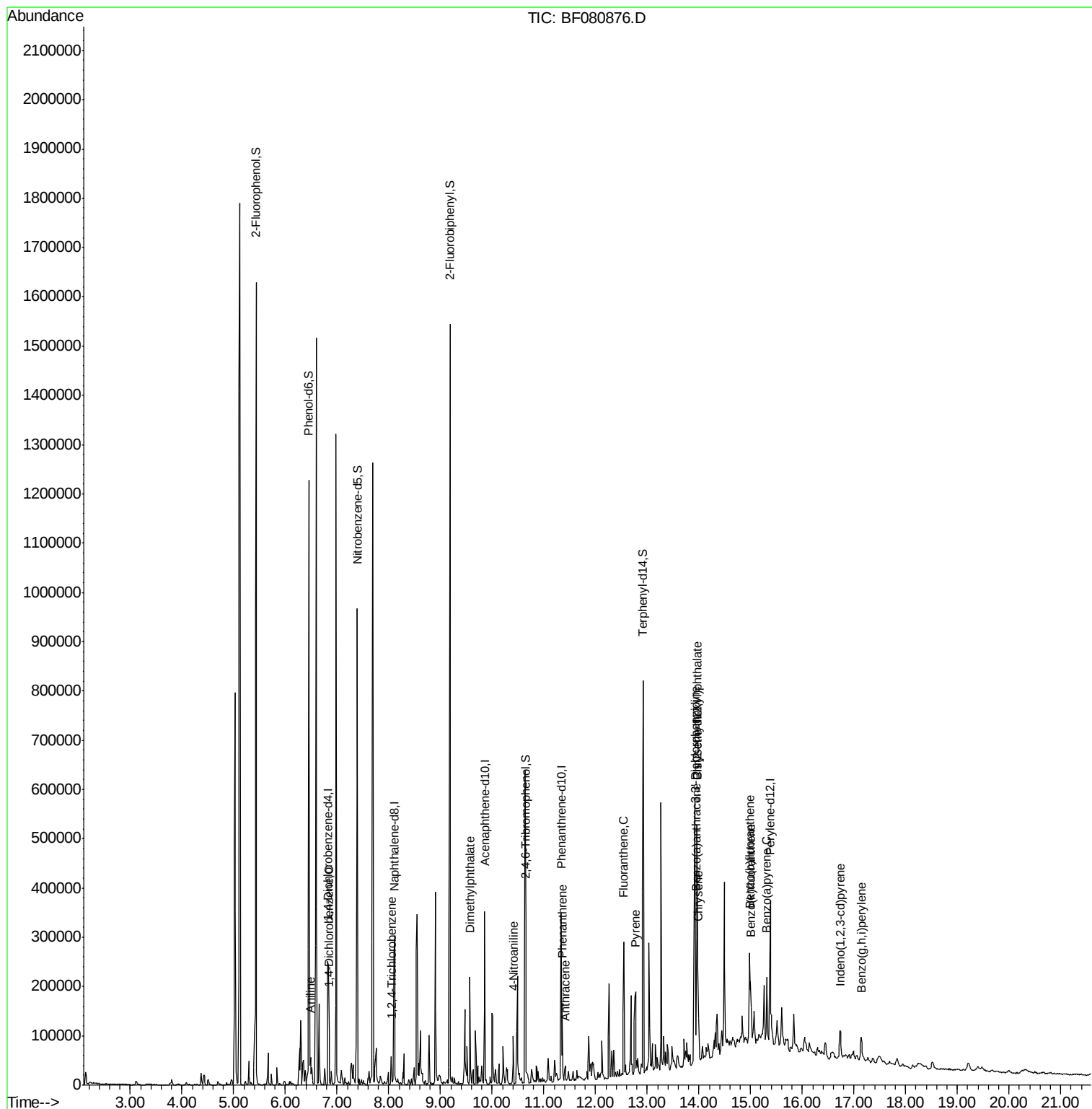
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080415\
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ALS Vial : 34 Sample Multiplier: 1

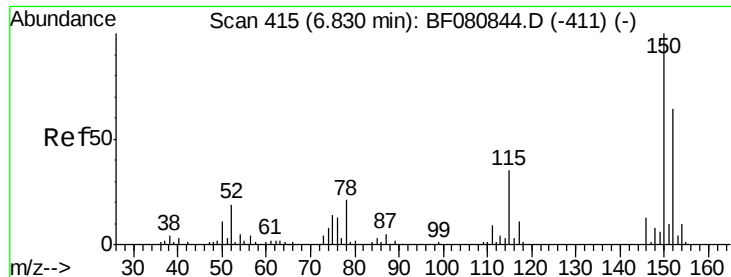
Instrument :
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#1

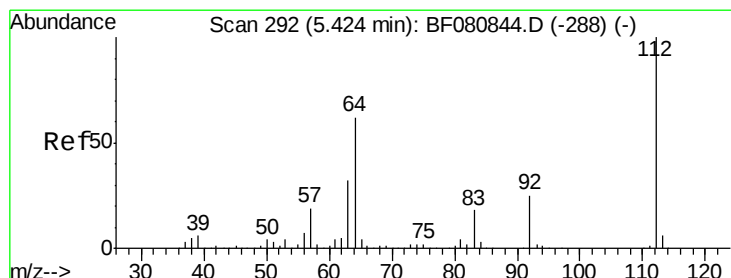
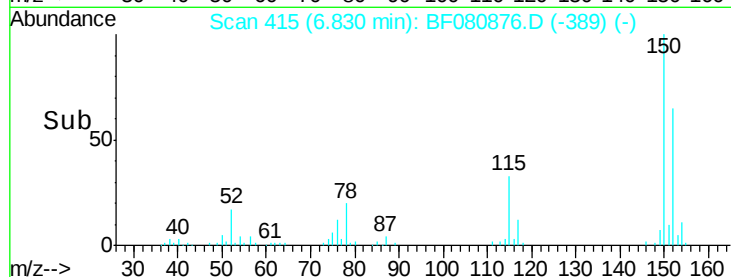
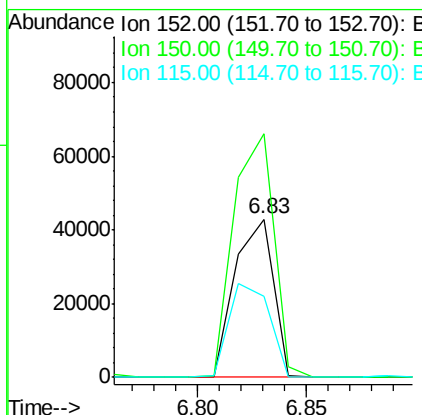
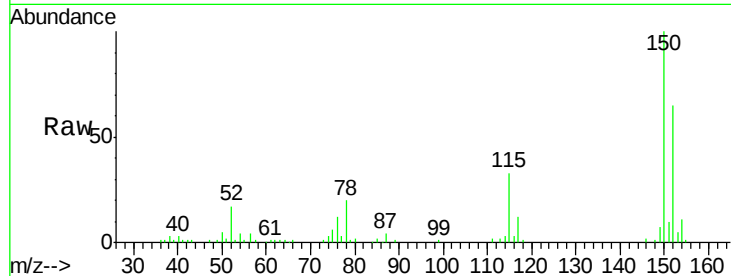
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. 0.00 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.6	187.0
115	51.4	44.2	66.4

Manual Integrations
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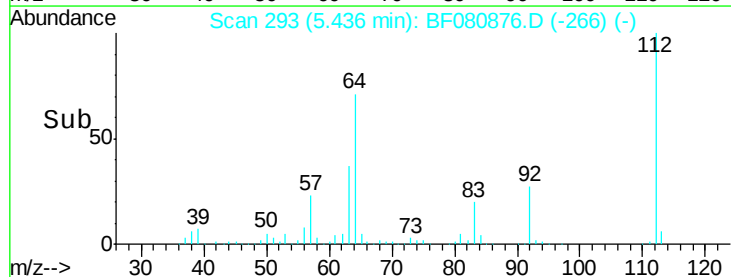
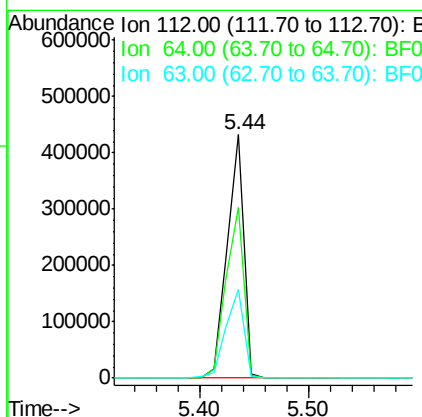
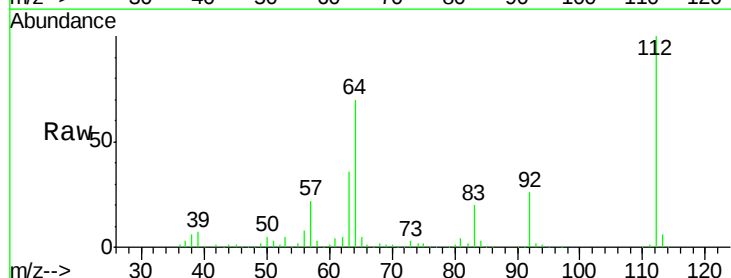
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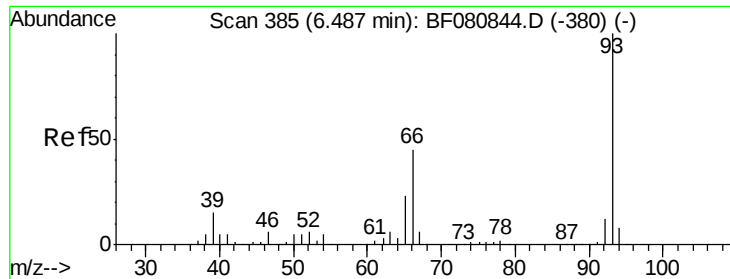


#5

2-Fluorophenol
Concen: 131.58 ng
RT: 5.44 min Scan# 293
Delta R.T. 0.01 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	49.5	74.3
63	36.3	25.3	37.9





#6

Aniline

Concen: 3.90 ng

RT: 6.49 min Scan# 385

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

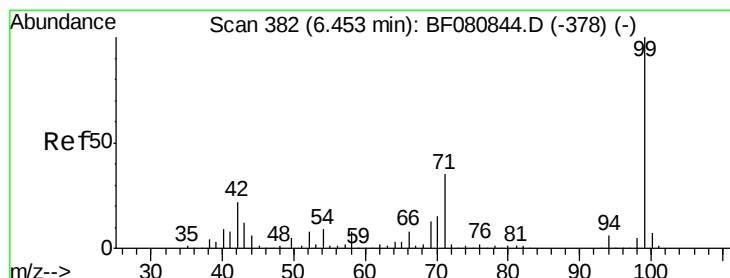
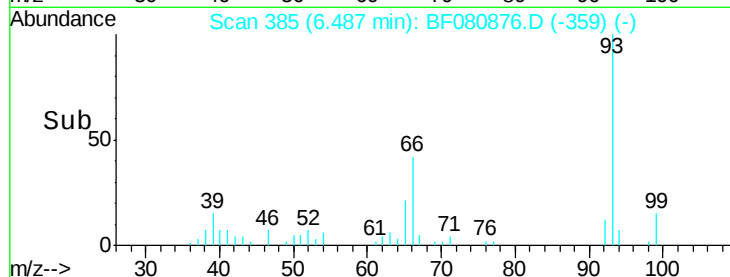
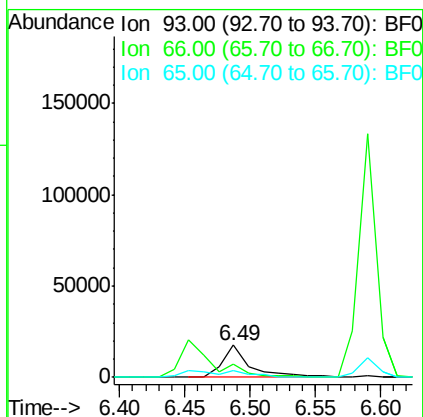
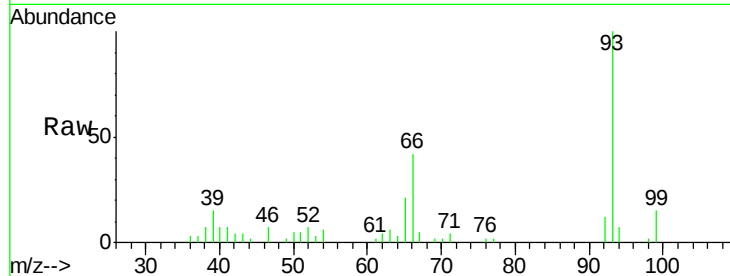
ClientSampleId :

SOIL-4

Tgt Ion:	93	Resp:	25884
Ion Ratio	Lower	Upper	
93	100		
66	41.7	35.8	53.6
65	21.4	18.2	27.2

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#7

Phenol-d6

Concen: 120.88 ng

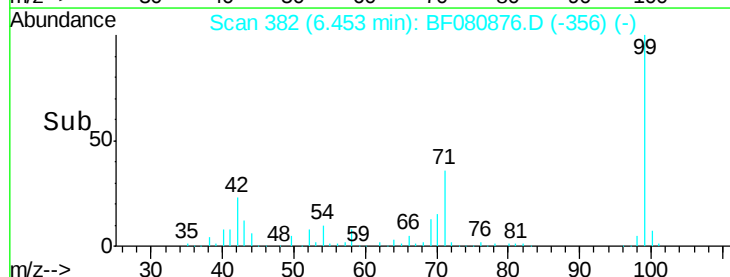
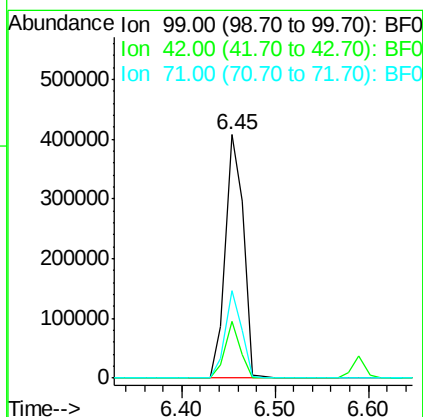
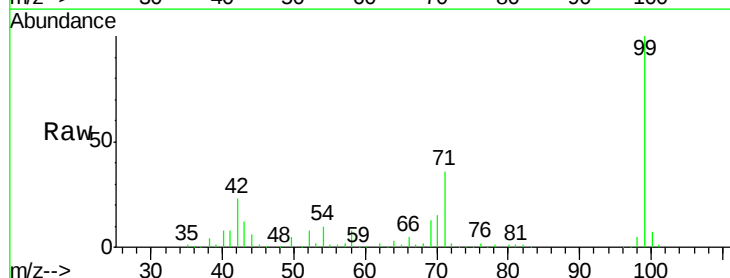
RT: 6.45 min Scan# 382

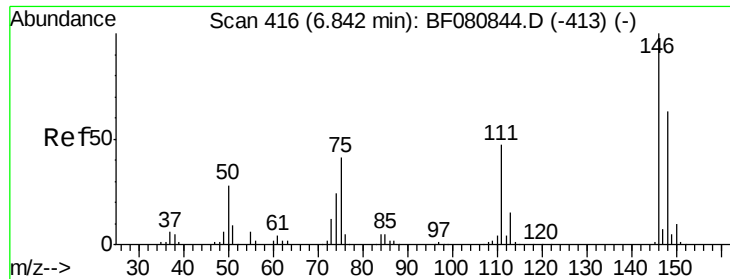
Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Tgt Ion:	99	Resp:	550836
Ion Ratio	Lower	Upper	
99	100		
42	23.2	17.9	26.9
71	35.7	28.2	42.4





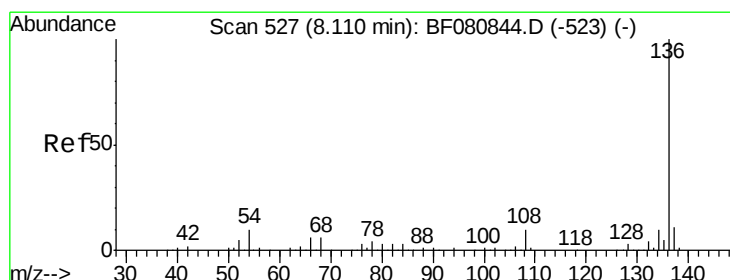
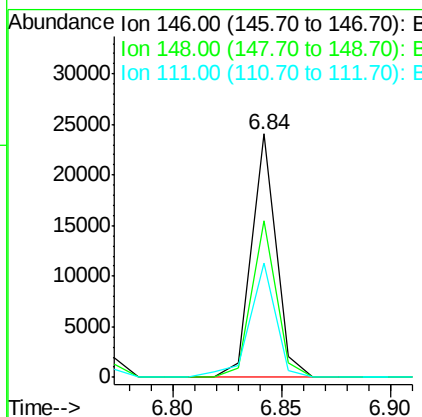
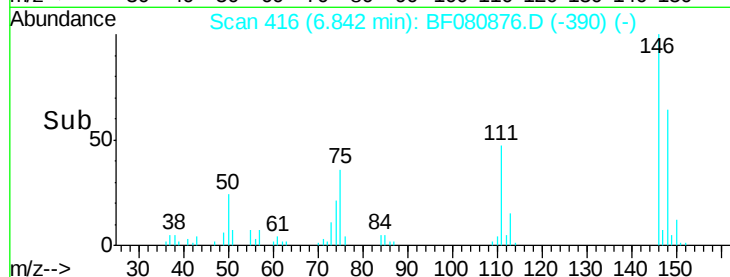
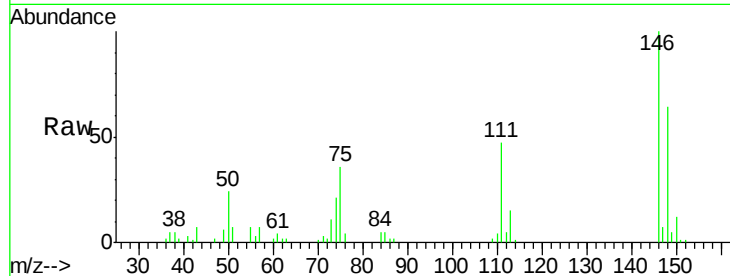
#13
 1,4-Dichlorobenzene
 Concen: 4.50 ng
 RT: 6.84 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.5	75.7
111	47.1	38.0	57.0

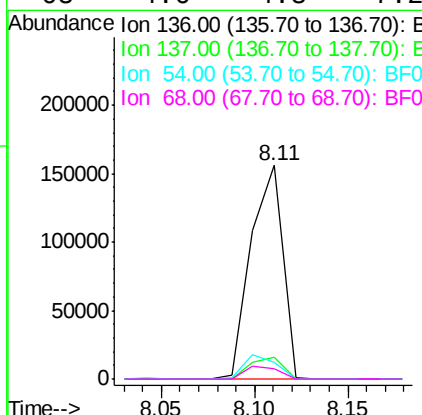
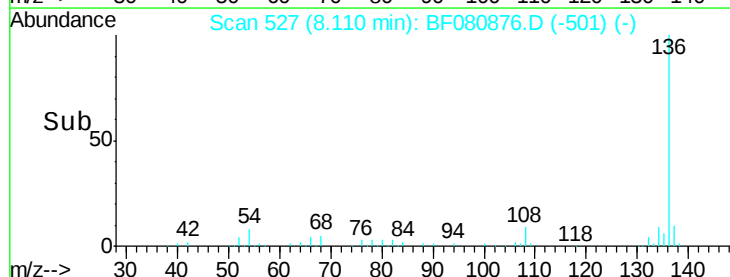
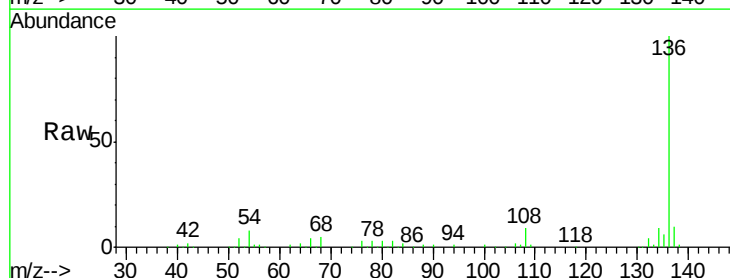
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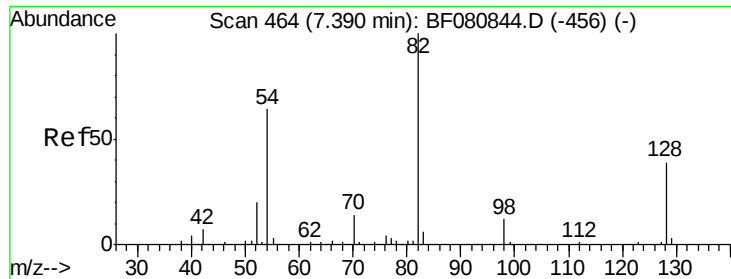
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#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.11 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	7.9	8.3	12.5#
68	4.6	4.8	7.2#





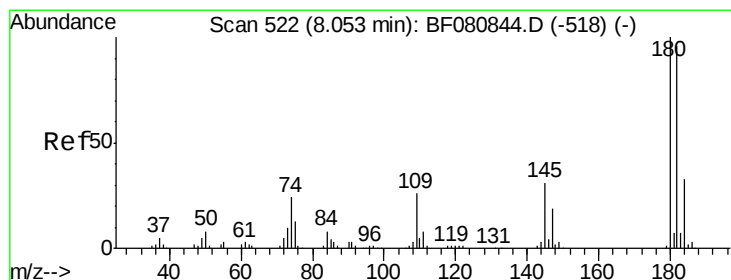
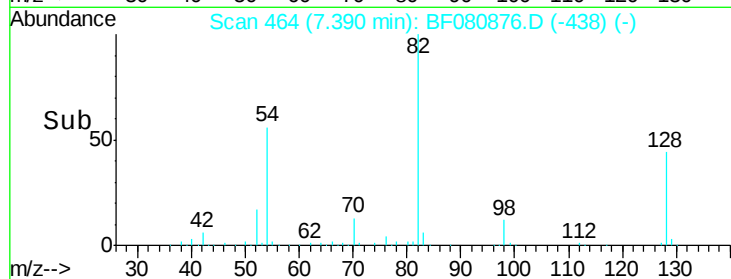
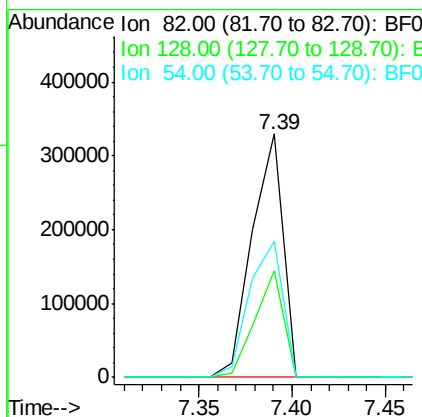
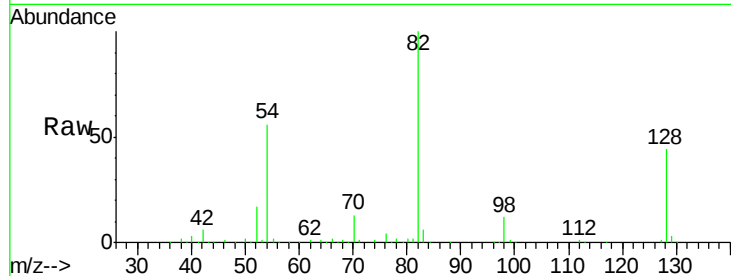
#23
 Nitrobenzene-d5
 Concen: 96.55 ng
 RT: 7.39 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	377480		
128	44.0	31.0	46.4	
54	56.0	51.0	76.6	

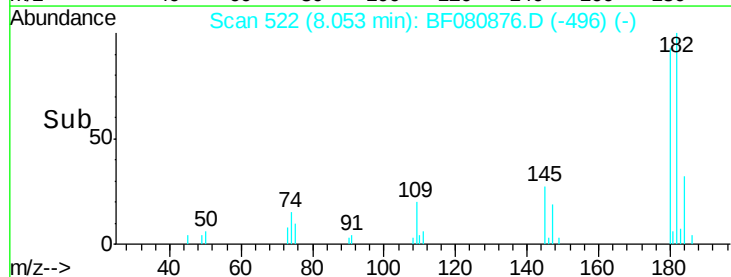
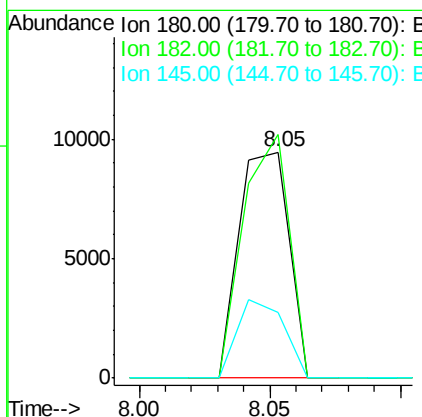
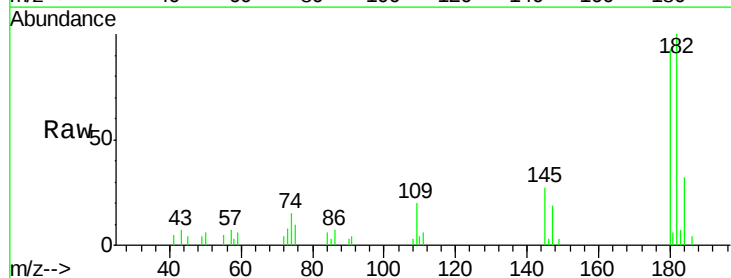
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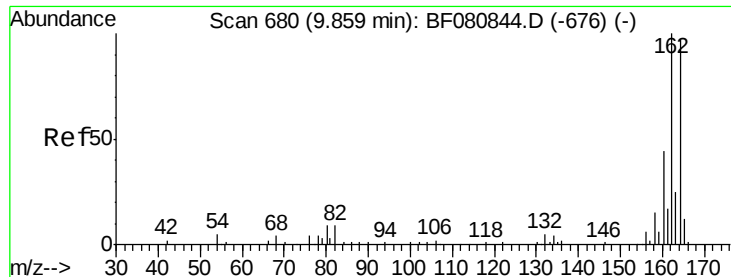
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#30
 1,2,4-Trichlorobenzene
 Concen: 4.38 ng
 RT: 8.05 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	12737		
182	107.7	77.0	115.4	
145	28.9	25.1	37.7	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF080876.D

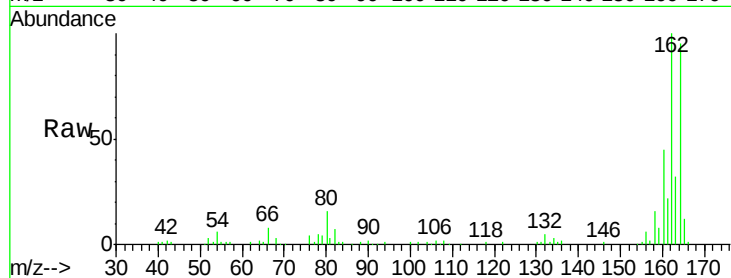
Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

ClientSampleId :

SOIL-4



Tgt Ion:164 Resp: 73304

Ion Ratio Lower Upper

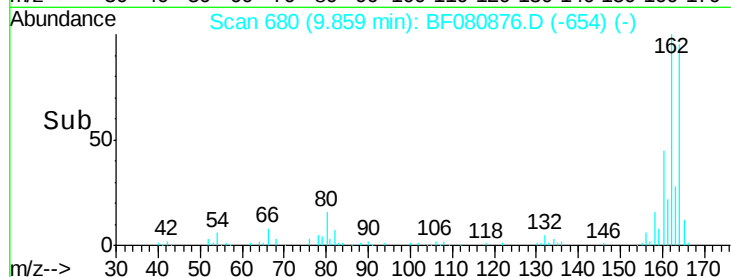
164 100

162 105.1 82.9 124.3

160 47.7 36.6 54.8

Manual Integrations
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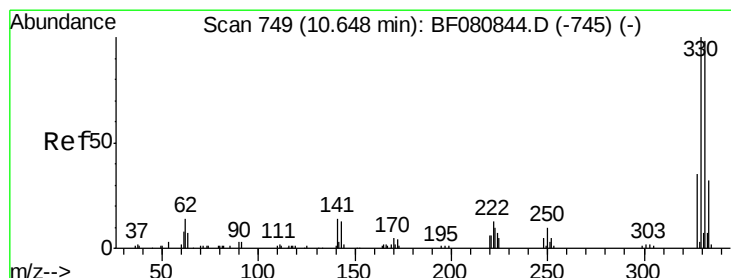
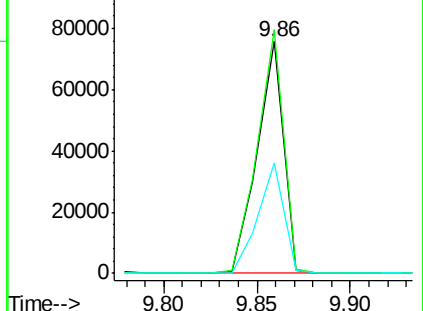
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 111.88 ng

RT: 10.65 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

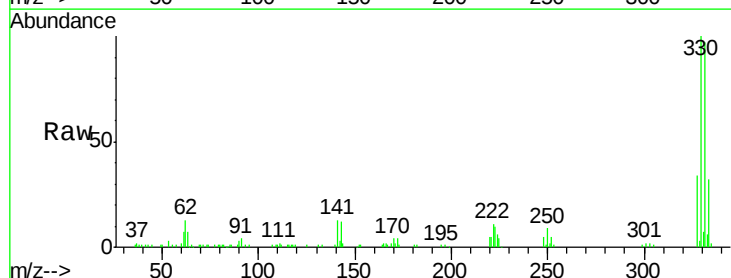
Tgt Ion:330 Resp: 79089

Ion Ratio Lower Upper

330 100

332 96.5 77.8 116.8

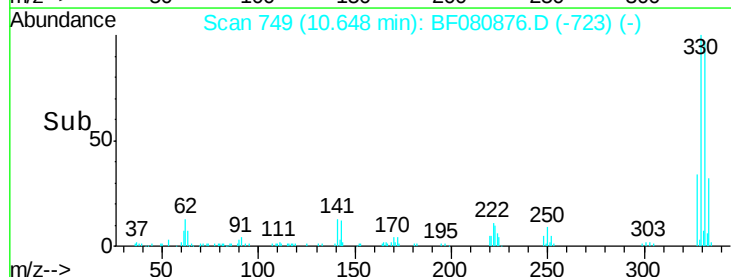
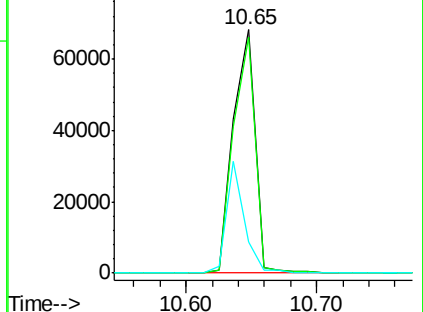
141 38.1 28.4 42.6

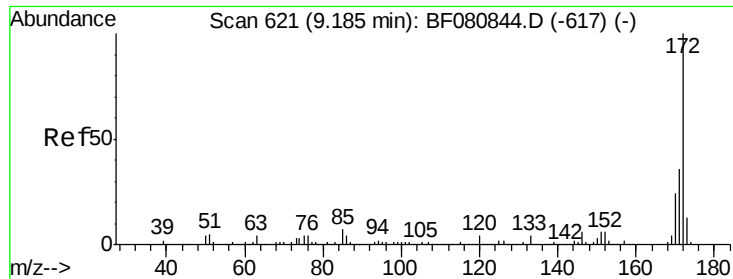


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





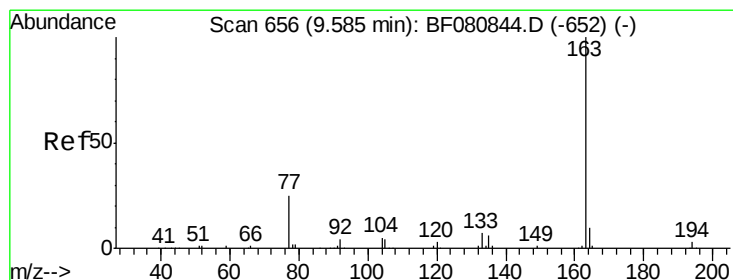
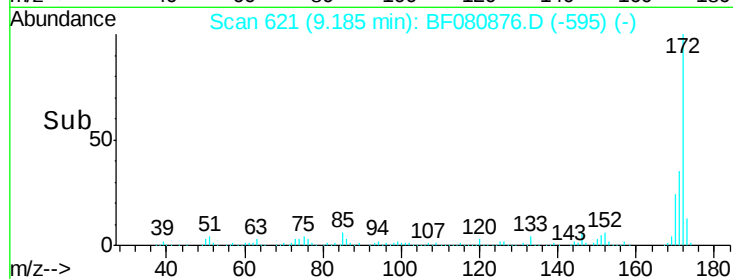
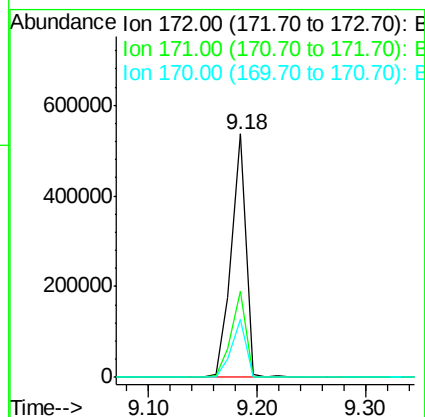
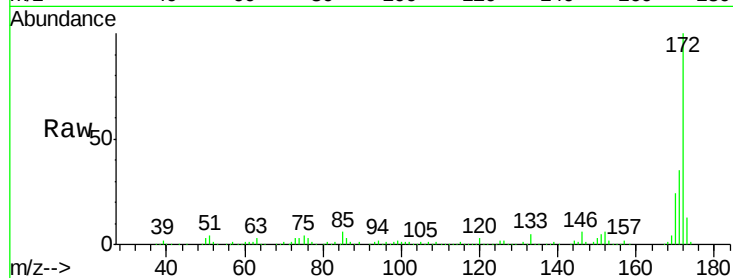
#44
2-Fluorobiphenyl
Concen: 92.42 ng
RT: 9.18 min Scan# 621
Delta R.T. 0.00 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Tgt Ion:	172	Resp:	503112
Ion Ratio	Lower	Upper	
172	100		
171	35.5	28.9	43.3
170	24.0	19.4	29.2

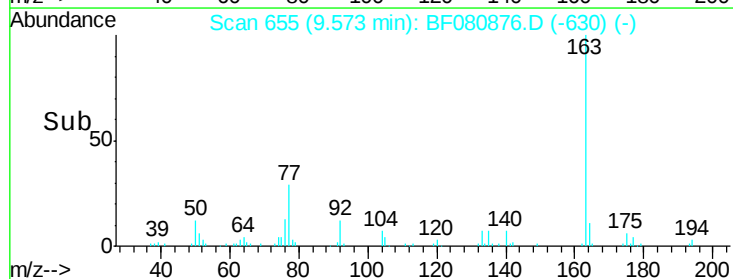
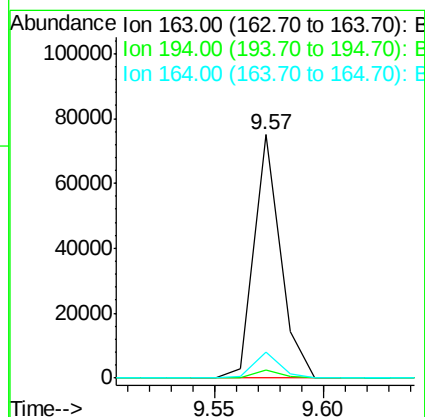
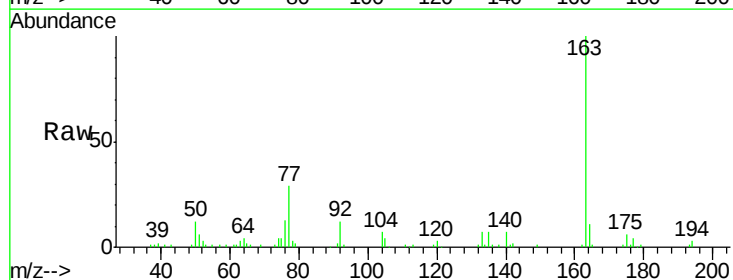
Manual Integrations
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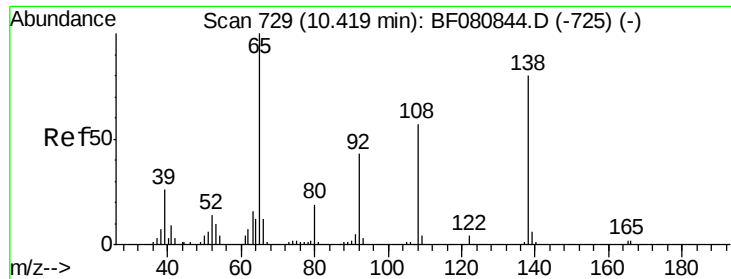
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#49
Dimethylphthalate
Concen: 11.87 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Tgt Ion:	163	Resp:	63448
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	10.7	8.2	12.4





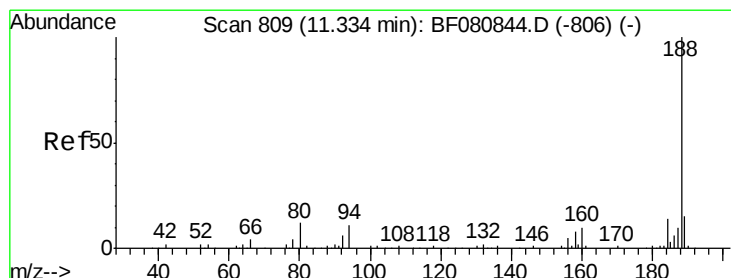
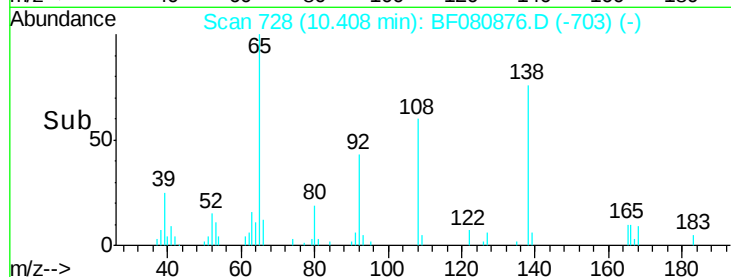
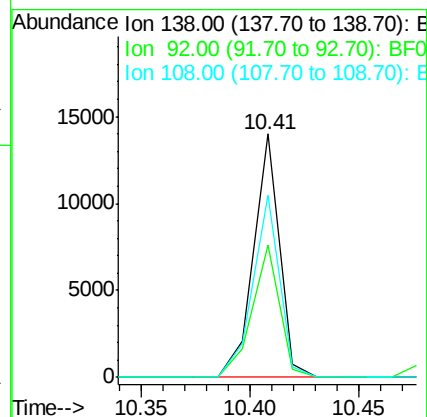
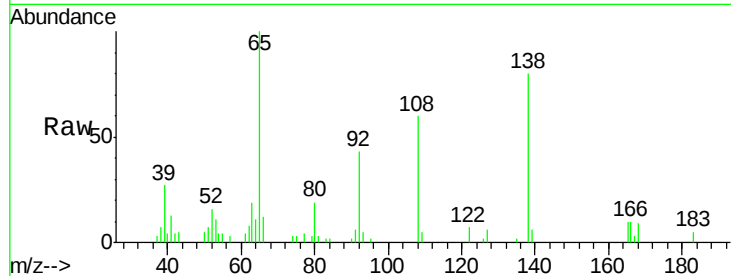
#61
4-Nitroaniline
Concen: 9.39 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	11569		
92	54.2	33.5	73.5	
108	75.0	52.3	92.3	

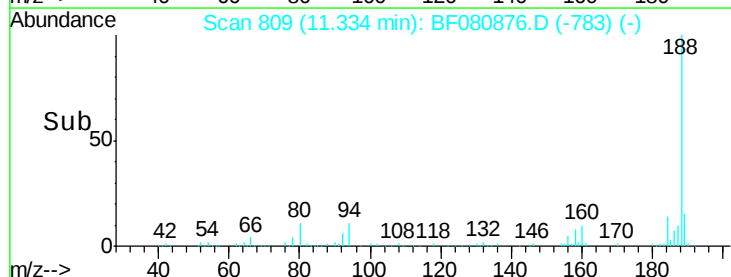
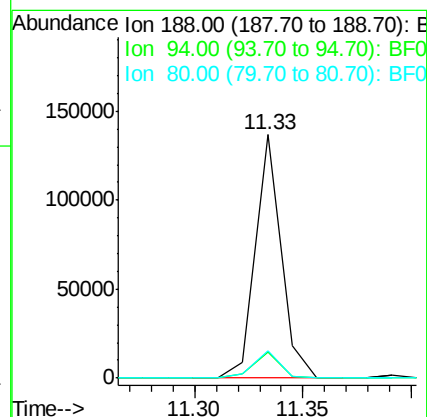
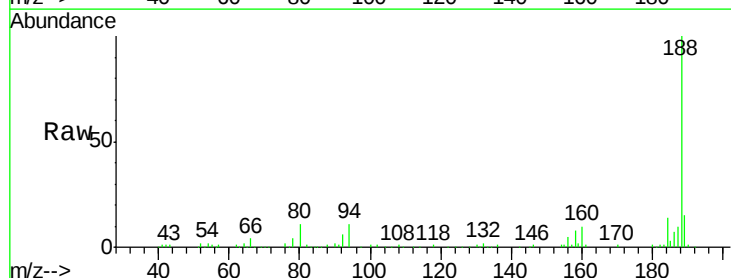
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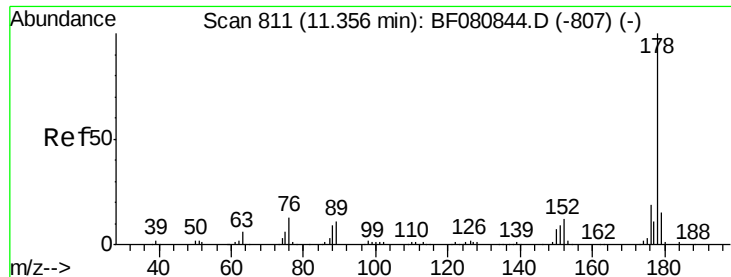
MMDadoda
8/5/2015 7:01:48 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 809
Delta R.T. 0.00 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	112563		
94	10.6	8.6	12.8	
80	11.1	9.3	13.9	





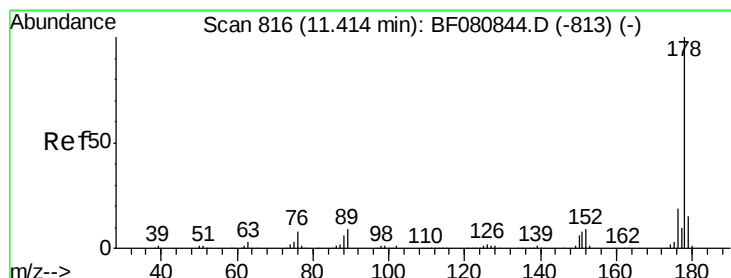
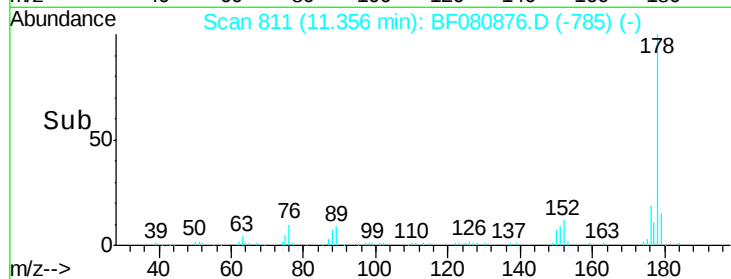
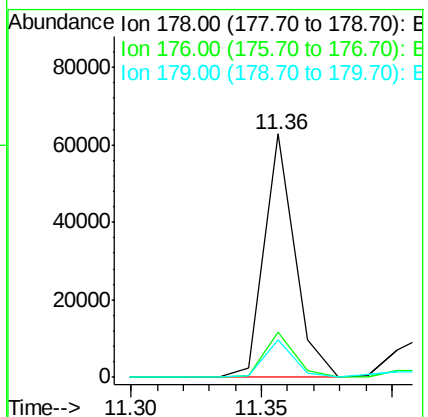
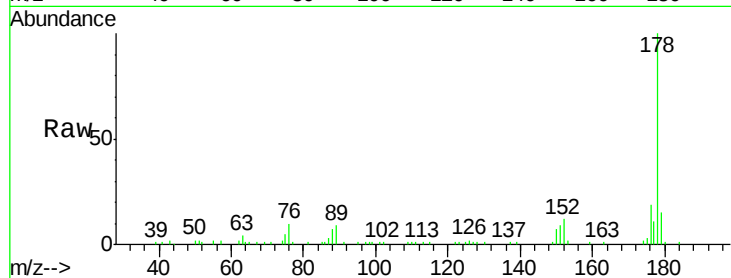
#70
 Phenanthrene
 Concen: 7.89 ng
 RT: 11.36 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.3	12.3	18.5

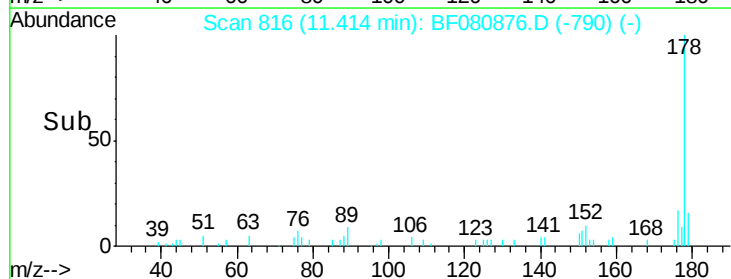
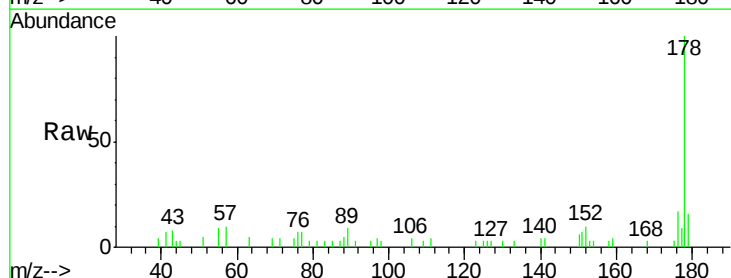
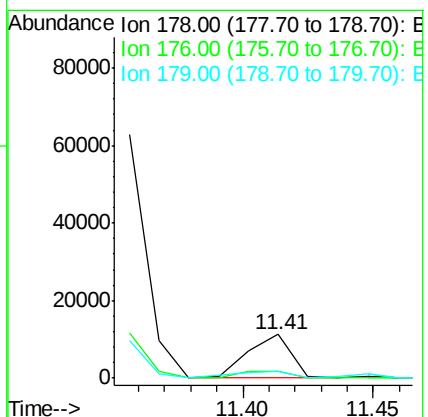
Manual Integrations
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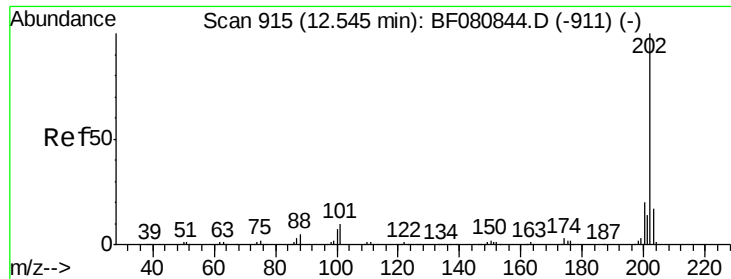
MMDadoda
 8/5/2015 7:01:48 PM



#71
 Anthracene
 Concen: 2.08 ng
 RT: 11.41 min Scan# 816
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.4	23.2
179	15.8	12.2	18.4





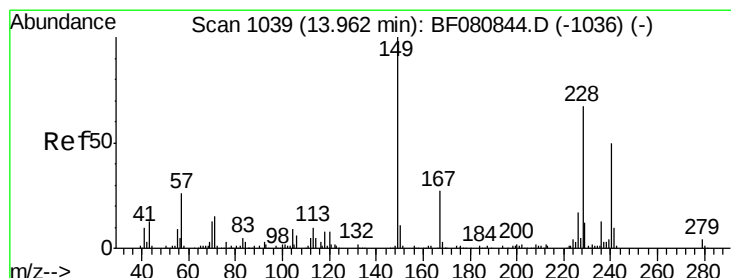
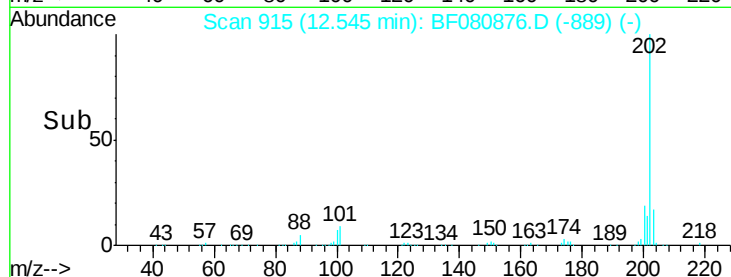
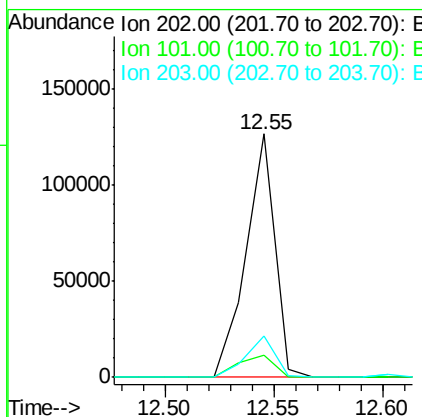
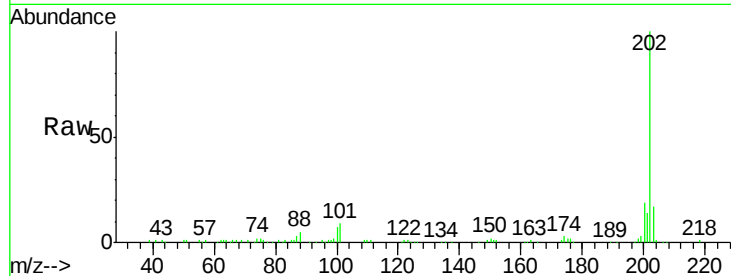
#74
 Fluoranthene
 Concen: 18.42 ng
 RT: 12.55 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	9.1	0.0	29.9
203	17.2	0.0	37.4

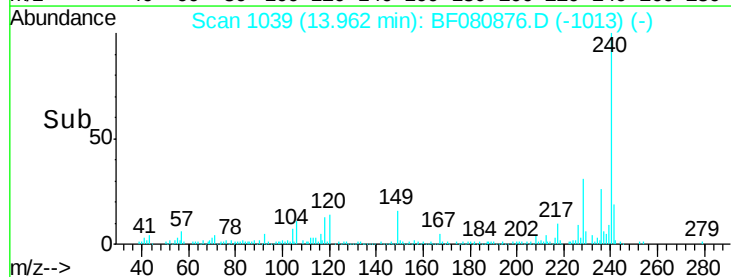
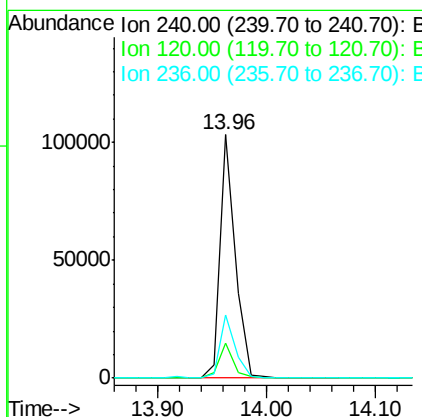
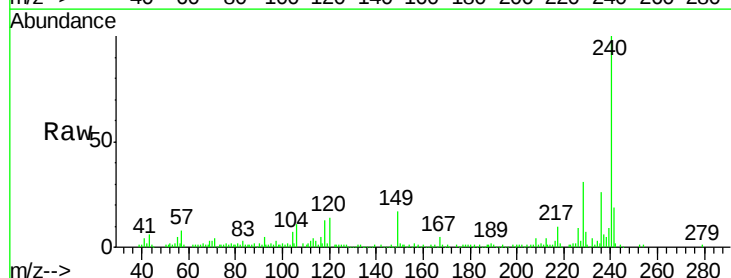
Manual Integrations
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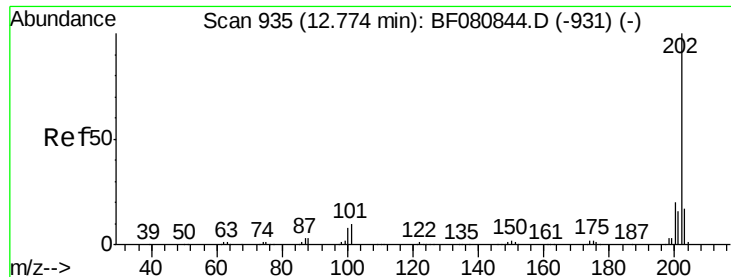
MMDadoda
 8/5/2015 7:01:48 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.96 min Scan# 1039
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.5	13.0	19.6
236	25.8	20.7	31.1





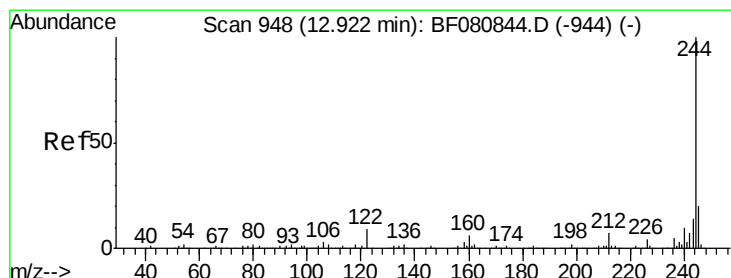
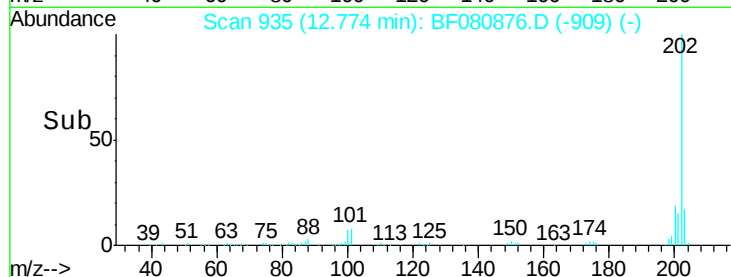
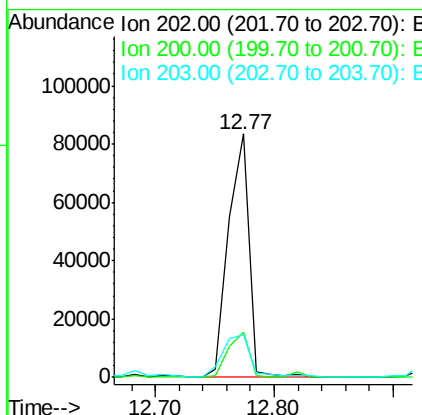
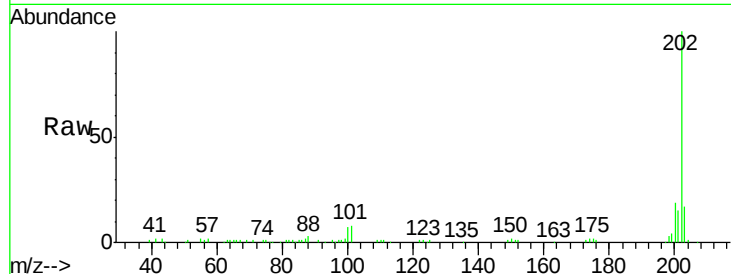
#77
 Pyrene
 Concen: 10.97 ng
 RT: 12.77 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	100034		
200	18.5	16.1	24.1	
203	17.3	13.6	20.4	

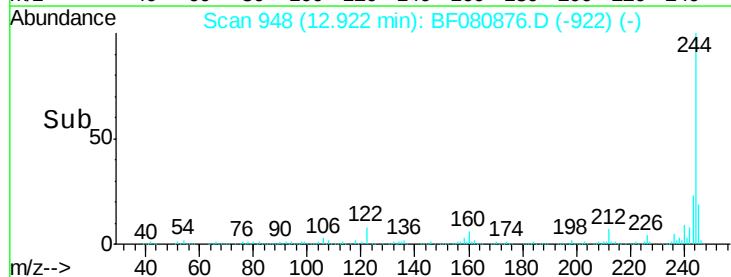
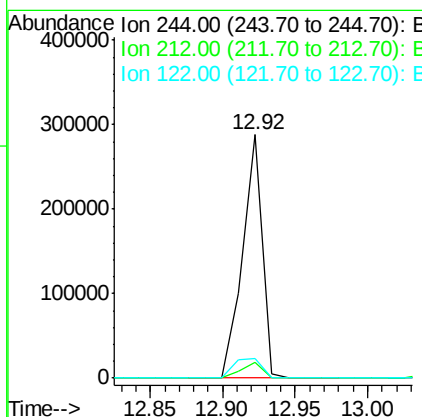
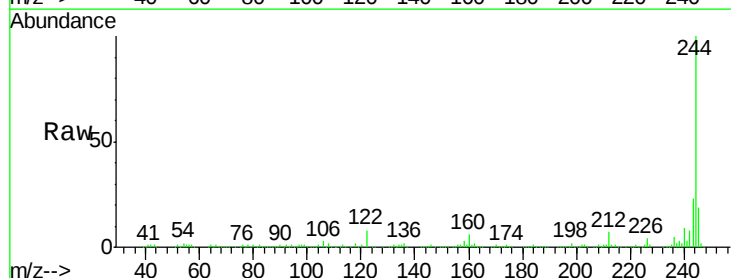
Manual Integrations
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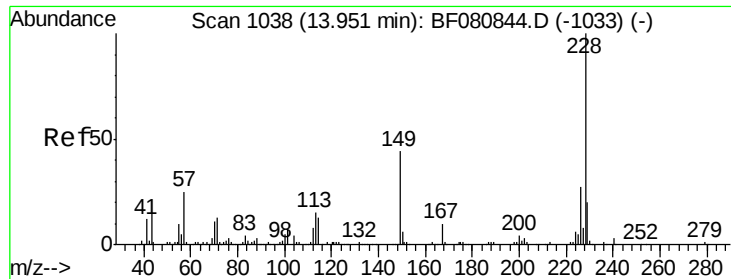
MMDadoda
 8/5/2015 7:01:48 PM



#78
 Terphenyl-d14
 Concen: 48.27 ng
 RT: 12.92 min Scan# 948
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	270995		
212	6.6	5.5	8.3	
122	8.0	7.1	10.7	





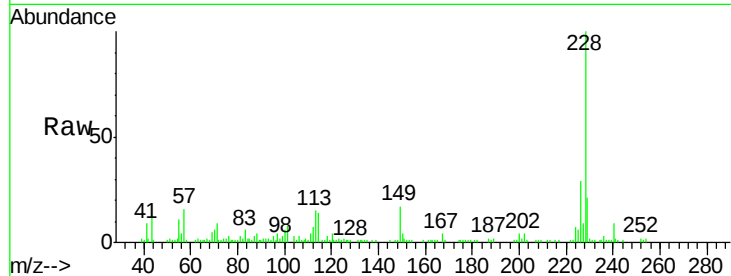
#80
Benzo(a)anthracene
Concen: 11.32 ng
RT: 13.95 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Instrument :
BNA_F
ClientSampled :
SOIL-4

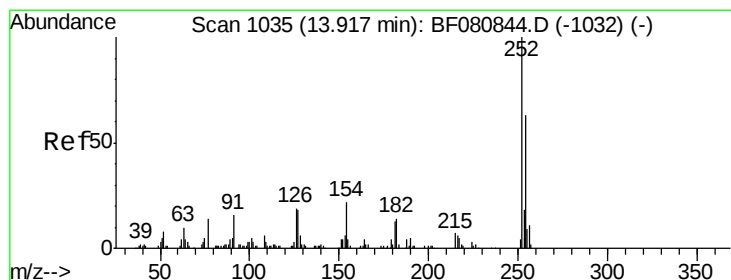
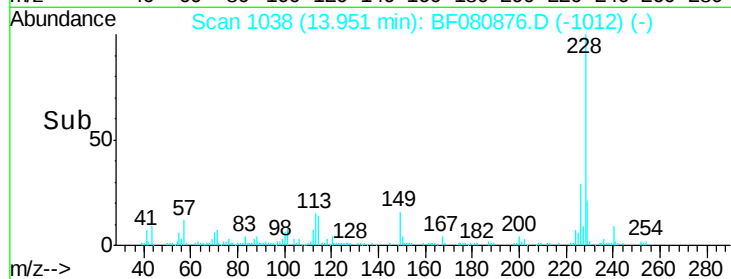
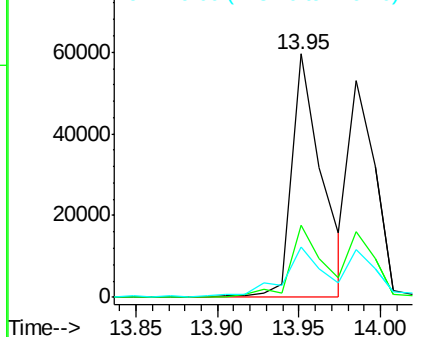
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.5	32.3
229	20.8	16.2	24.2

Manual Integrations
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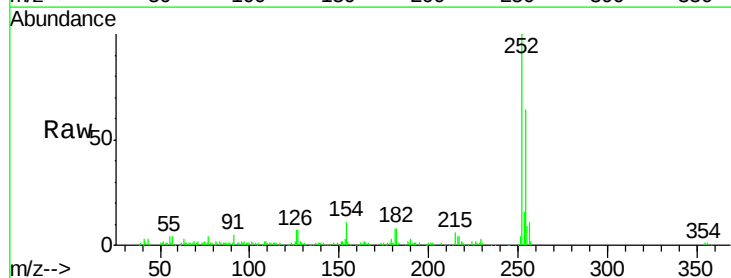


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

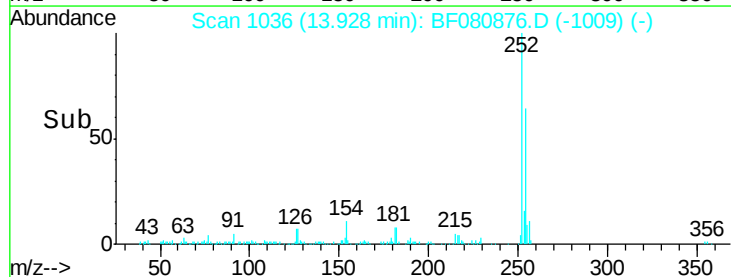
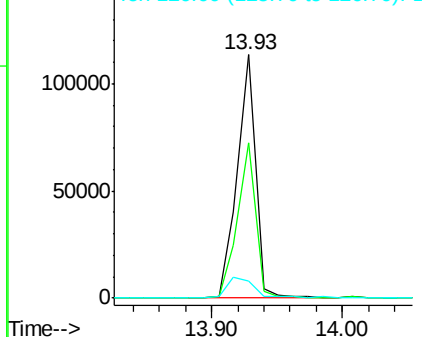


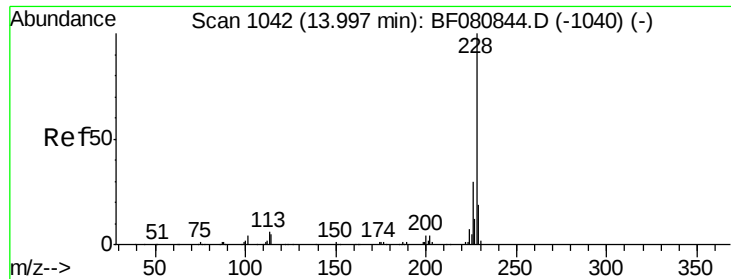
#81
3,3'-Dichlorobenzidine
Concen: 44.11 ng
RT: 13.93 min Scan# 1036
Delta R.T. 0.01 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.3	75.5
126	7.1	15.1	22.7



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





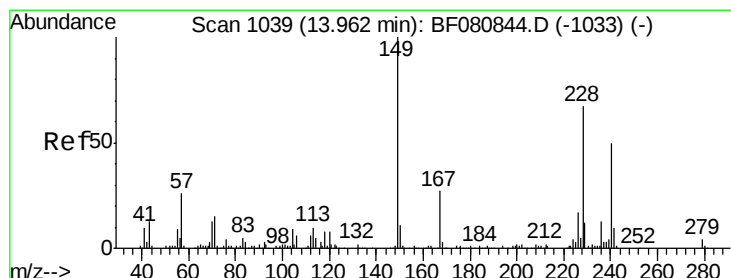
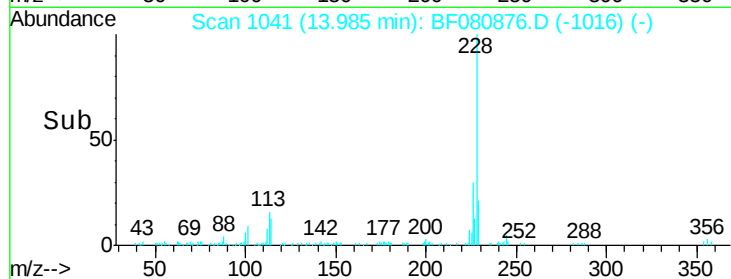
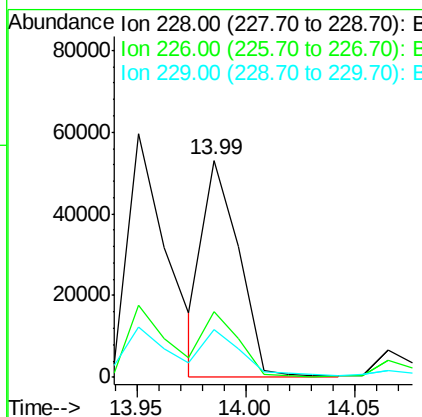
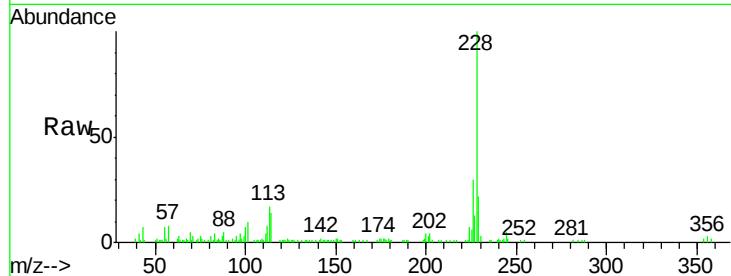
#82
Chrysene
Concen: 8.74 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	60572		
226	30.3		23.6	35.4
229	22.2		15.1	22.7

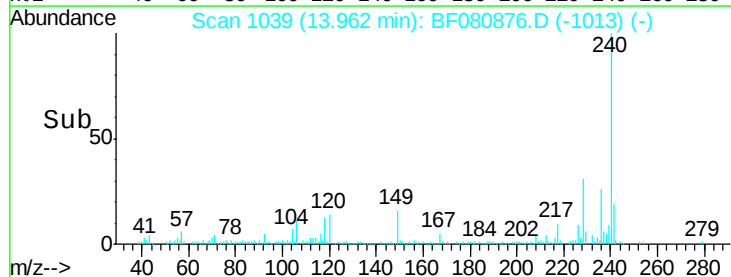
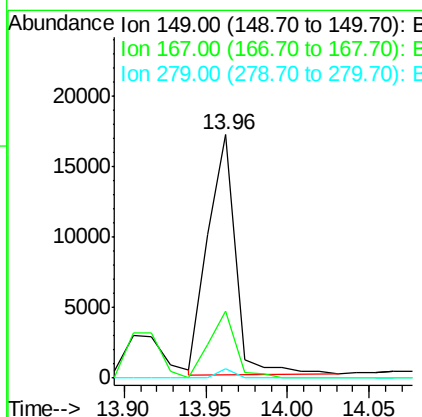
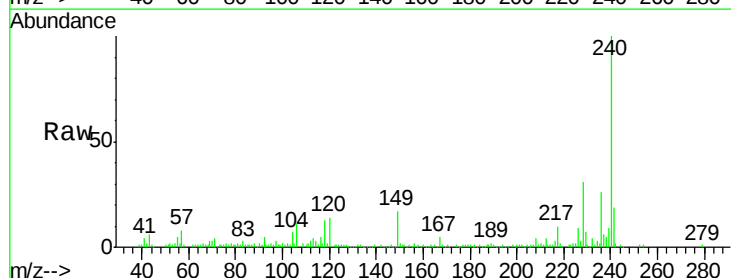
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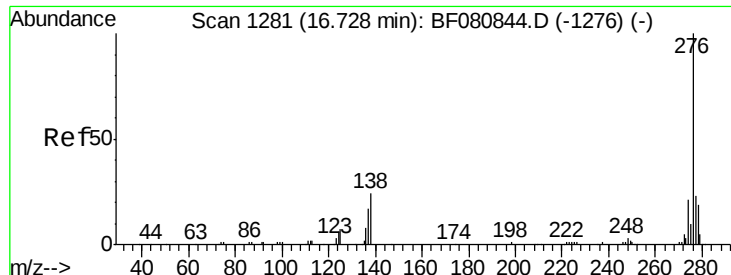
MMDadoda
8/5/2015 7:01:48 PM



#83
Bis(2-ethylhexyl)phthalate
Concen: 4.07 ng
RT: 13.96 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	20259		
167	27.7		21.8	32.8
279	4.1		3.0	4.4





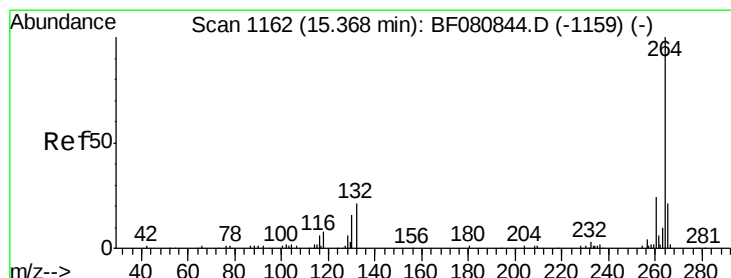
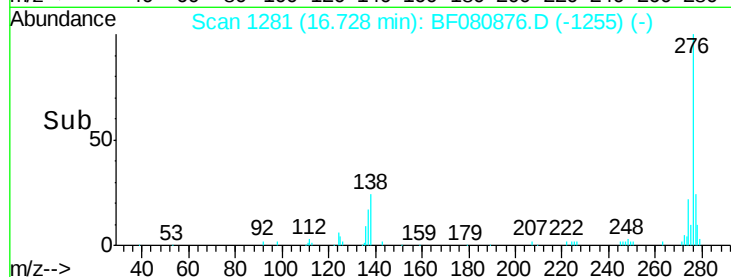
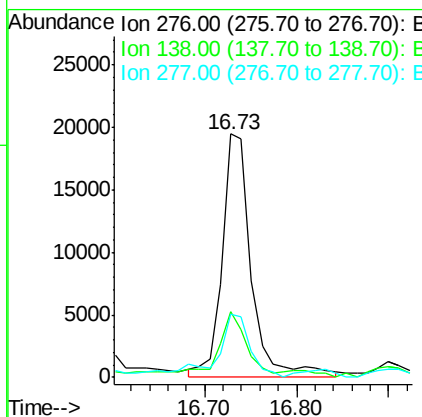
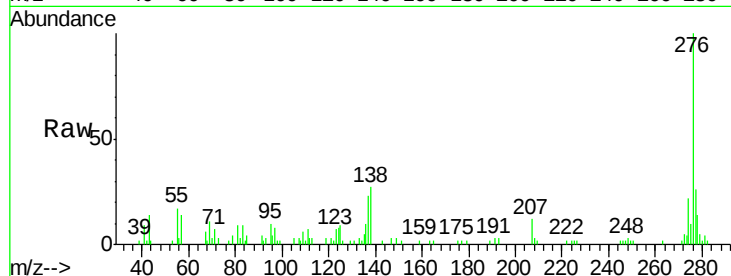
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.66 ng m
 RT: 16.73 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-4

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	43537		
138	7.5	21.6	32.4#	
277	5.9	19.6	29.4#	

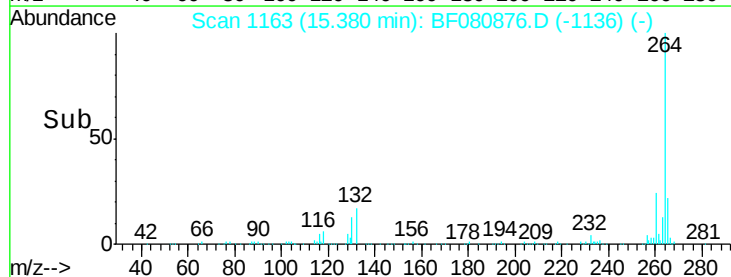
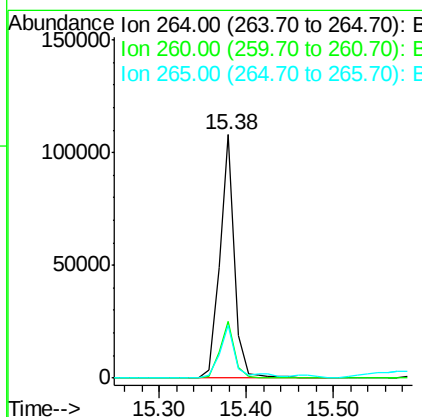
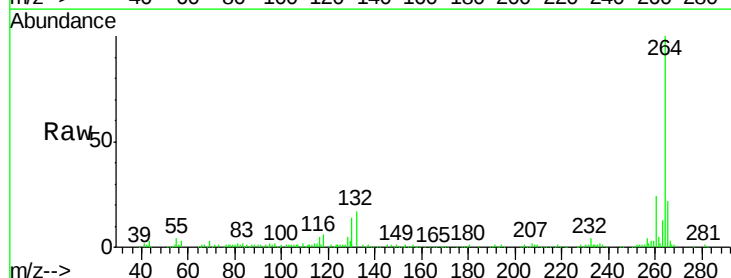
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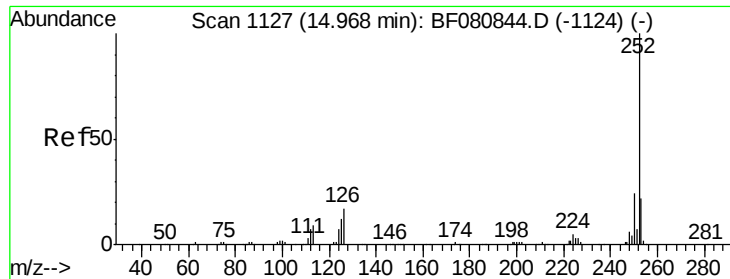
MMDadoda
 8/5/2015 7:01:48 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: BF080876.D
 Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	127885		
260	23.5	18.9	28.3	
265	21.9	16.8	25.2	





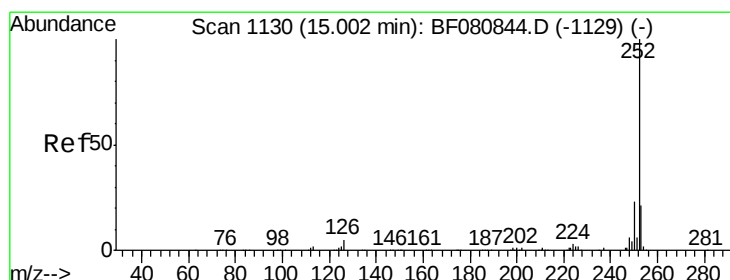
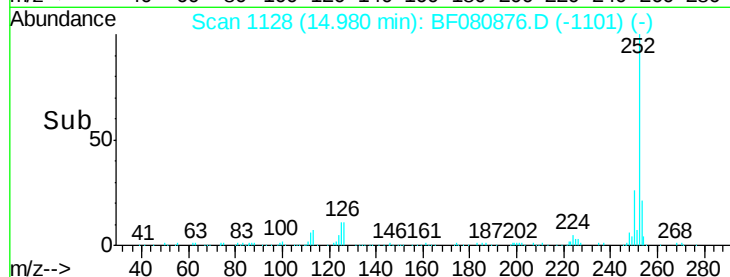
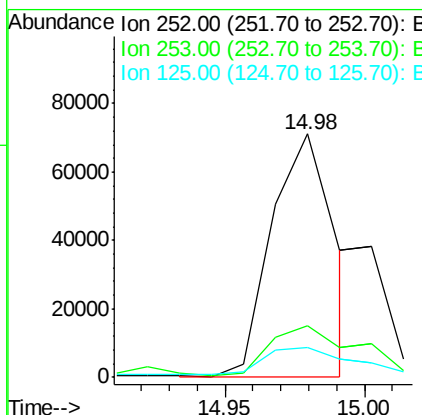
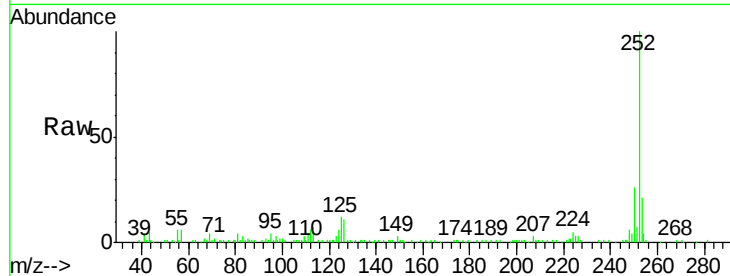
#87
Benzo(b)fluoranthene
Concen: 11.66 ng m
RT: 14.98 min Scan# 1128
Delta R.T. 0.01 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Instrument :
BNA_F
ClientSampleId :
SOIL-4

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	111558		
253	21.4		17.4	26.0
125	12.1		9.8	14.8

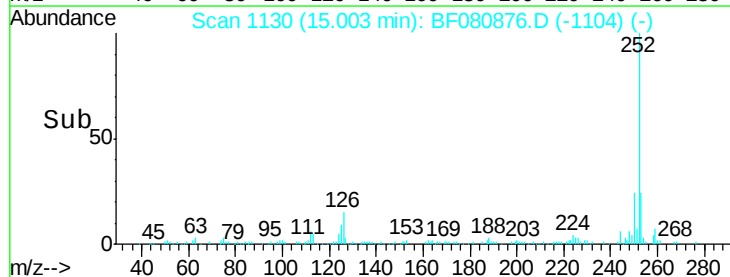
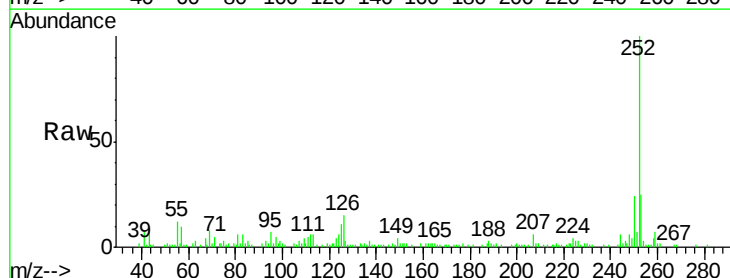
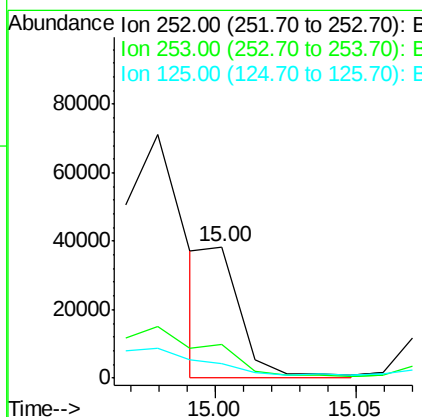
Manual Integrations
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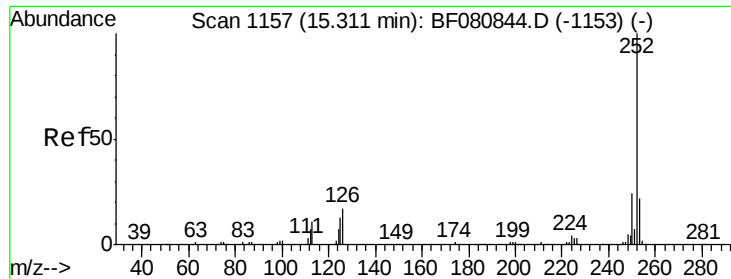
MMDadoda
8/5/2015 7:01:48 PM



#88
Benzo(k)fluoranthene
Concen: 4.41 ng m
RT: 15.00 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF080876.D
Acq: 5 Aug 2015 11:40

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	32469		
253	25.3		16.9	25.3
125	11.3		7.0	10.6#





#89

Benzo(a)pyrene

Concen: 8.83 ng

RT: 15.31 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BF080876.D

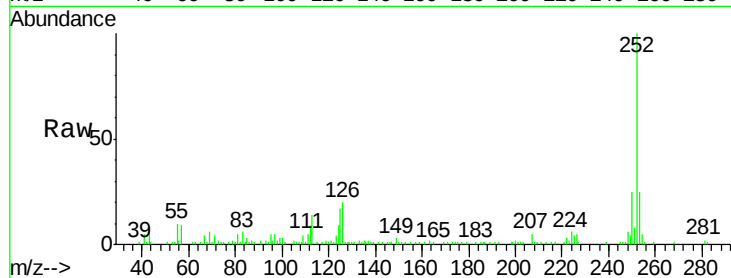
Acq: 5 Aug 2015 11:40

Instrument :

BNA_F

ClientSampleId :

SOIL-4



Tgt Ion: 252 Resp: 68966

Ion Ratio Lower Upper

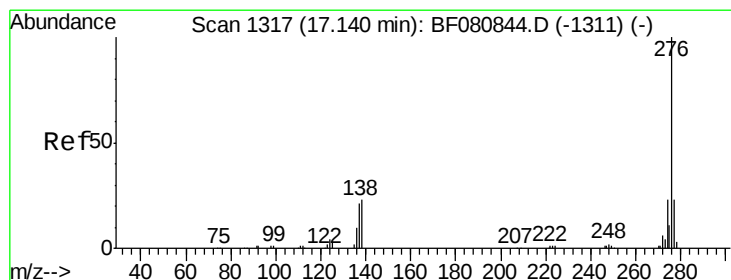
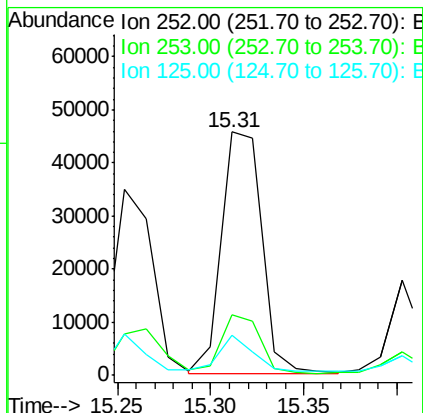
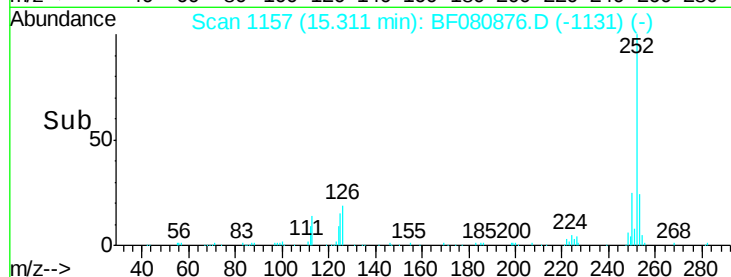
252 100

253 25.0 17.4 26.0

125 16.6 10.6 16.0#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 5.61 ng

RT: 17.14 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF080876.D

Acq: 5 Aug 2015 11:40

Tgt Ion: 276 Resp: 36763

Ion Ratio Lower Upper

276 100

277 24.3 18.6 27.8

138 26.1 18.8 28.2

