

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
 Data File : BF082346.D
 Acq On : 17 Oct 2015 2:02
 Operator : UM/IZ
 Sample : G4009-02 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 KW-2

Manual Integrations
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MMdadoda
 10/19/2015 5:32:38 PM

Quant Time: Oct 17 04:52:19 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 17 04:30:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	52128m	20.00	ng	0.02
21) Naphthalene-d8	8.25	136	225139	20.00	ng	0.01
38) Acenaphthene-d10	9.99	164	122565	20.00	ng	0.00
63) Phenanthrene-d10	11.47	188	257737	20.00	ng	0.00
75) Chrysene-d12	14.16	240	234925	20.00	ng	0.02
86) Perylene-d12	15.70	264	217543	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	67990	26.32	ng	0.01
7) Phenol-d6	6.61	99	87576	26.06	ng	0.01
23) Nitrobenzene-d5	7.53	82	54079	16.13	ng	0.01
41) 2,4,6-Tribromophenol	10.79	330	28304	24.62	ng	0.01
44) 2-Fluorobiphenyl	9.31	172	136869	18.52	ng	0.01
78) Terphenyl-d14	13.06	244	136398	15.39	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.26	128	21896	2.24	ng	98
49) Dimethylphthalate	9.70	163	36703	4.25	ng	99
51) Acenaphthene	10.02	154	32838	4.77	ng	98
54) Dibenzofuran	10.19	168	36648	3.88	ng	97
57) Fluorene	10.54	166	23764	3.06	ng	99
70) Phenanthrene	11.51	178	807095	63.89	ng	99
71) Anthracene	11.55	178	160535	12.33	ng	98
72) Carbazole	11.71	167	79736	6.71	ng	98
74) Fluoranthene	12.70	202	983072	72.45	ng	97
77) Pyrene	12.93	202	828278	59.41	ng	99
80) Benzo(a)anthracene	14.15	228	467267m	38.23	ng	
82) Chrysene	14.18	228	445476m	34.59	ng	
85) Indeno(1,2,3-cd)pyrene	17.21	276	196628	19.21	ng	95
87) Benzo(b)fluoranthene	15.27	252	493553m	37.29	ng	
88) Benzo(k)fluoranthene	15.28	252	222977m	20.04	ng	
89) Benzo(a)pyrene	15.65	252	345180	30.35	ng	98
90) Dibenzo(a,h)anthracene	17.22	278	55891m	6.00	ng	
91) Benzo(g,h,i)perylene	17.68	276	172798	19.08	ng	96

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

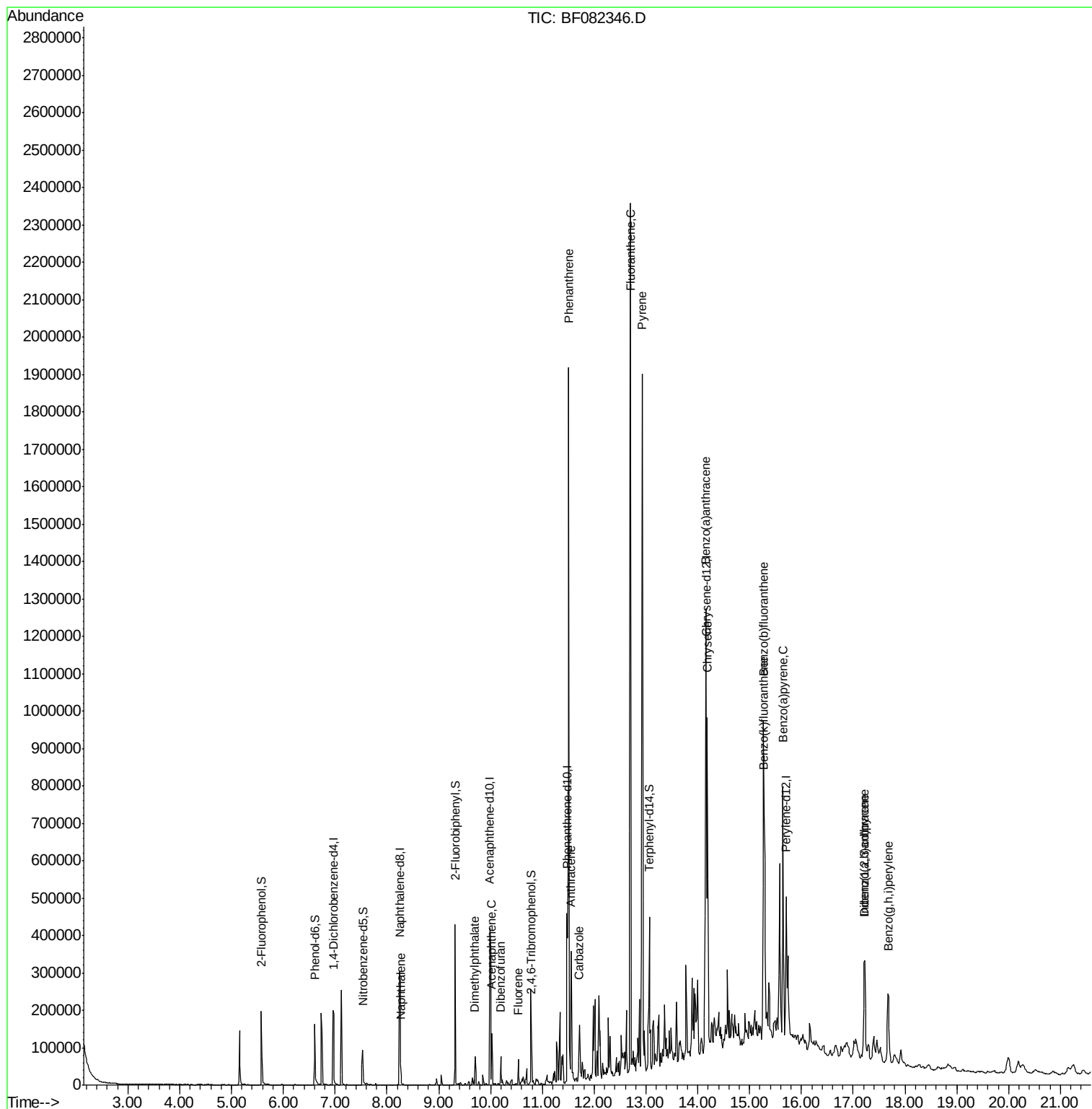
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082346.D
Acq On : 17 Oct 2015 2:02
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ALS Vial : 26 Sample Multiplier: 1

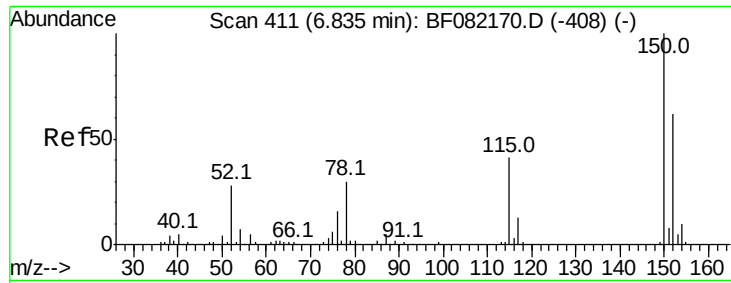
Instrument :
BNA_F
ClientSampleId :
KW-2

Quant Time: Oct 17 04:52:19 2015
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#1

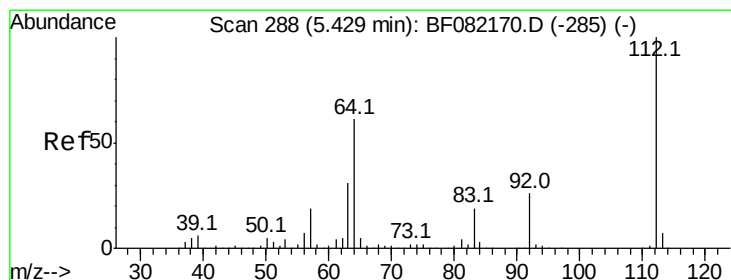
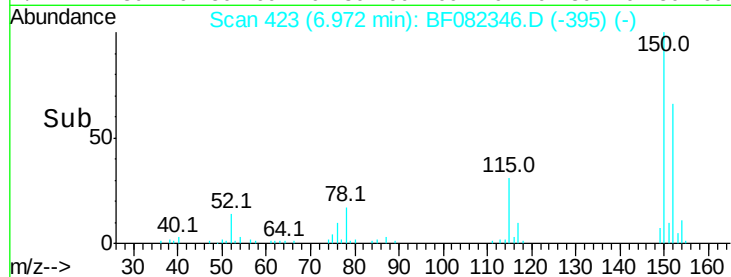
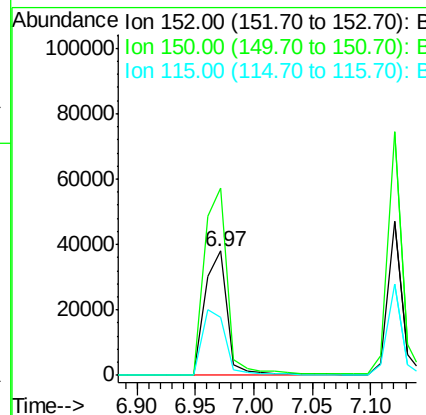
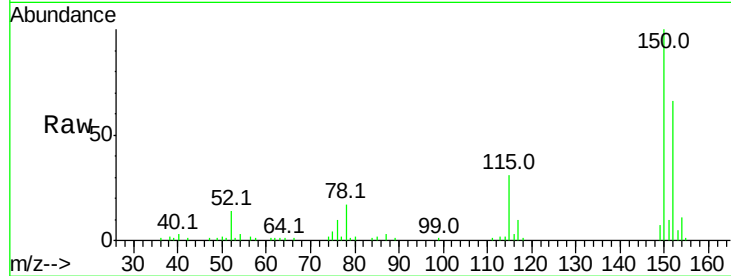
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/mL
RT: 6.97 min Scan# 423
Delta R.T. 0.02 min
Lab File: BF082346.D
Acq: 17 Oct 2015 2:02

Instrument :
BNA_F
ClientSampleID :
KW-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	129.0	193.4
115	47.2	52.1	78.1#

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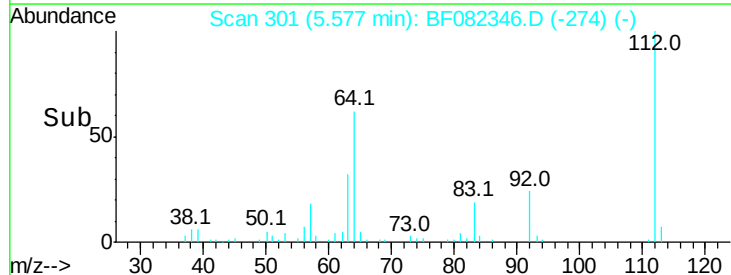
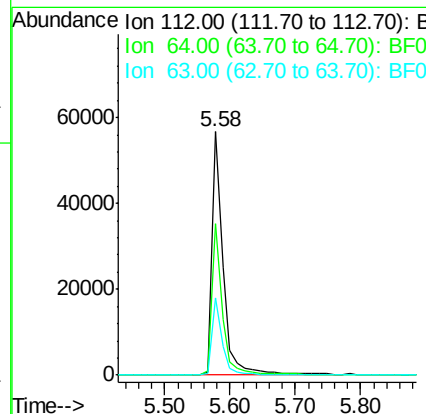
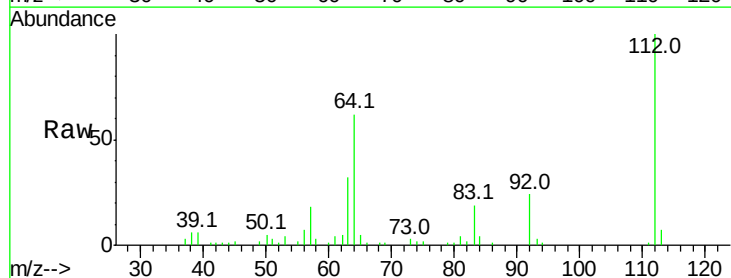
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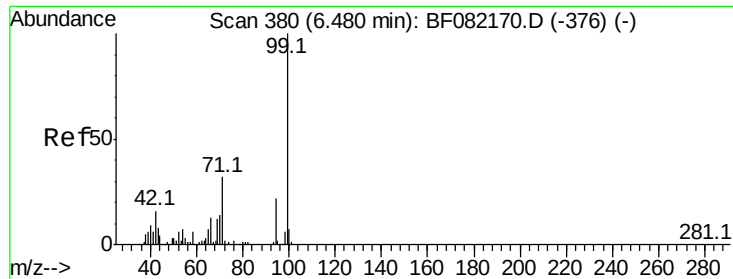


#5

2-Fluorophenol
Concen: 26.32 ng
RT: 5.58 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF082346.D
Acq: 17 Oct 2015 2:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	48.6	73.0
63	31.5	25.1	37.7





#7

Phenol-d6

Concen: 26.06 ng

RT: 6.61 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Instrument :

BNA_F

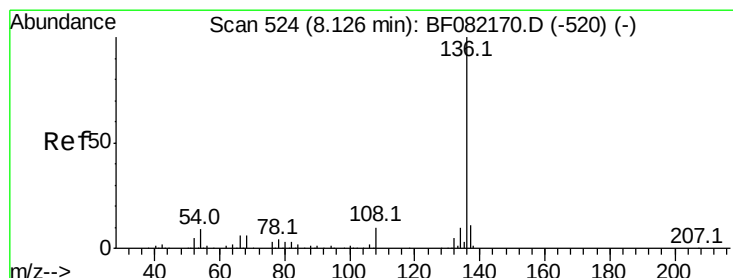
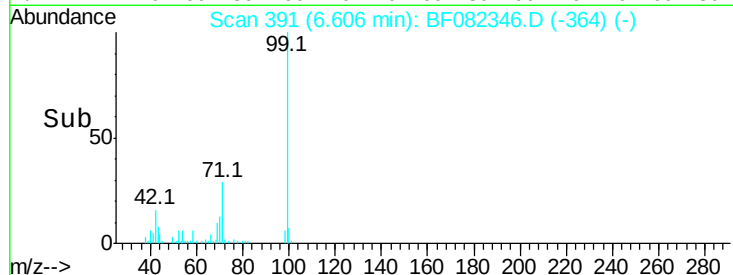
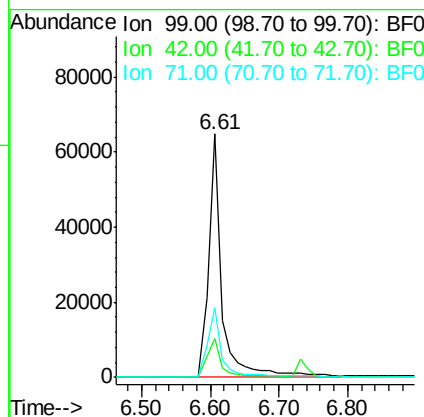
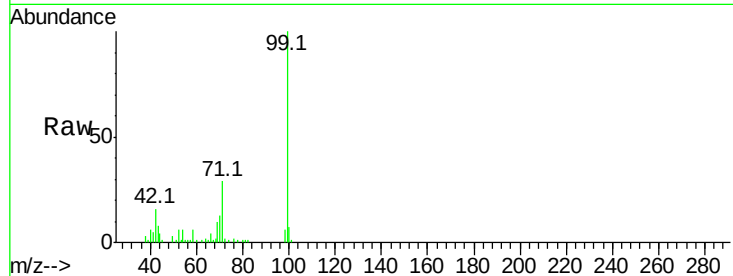
ClientSampleId :

KW-2

Tot Ion:	99	Resp:	87576
Ion Ratio	Lower	Upper	
99	100		
42	15.8	13.2	19.8
71	28.6	25.6	38.4

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#21

Naphthalene-d8

Concen: 20.00 ng

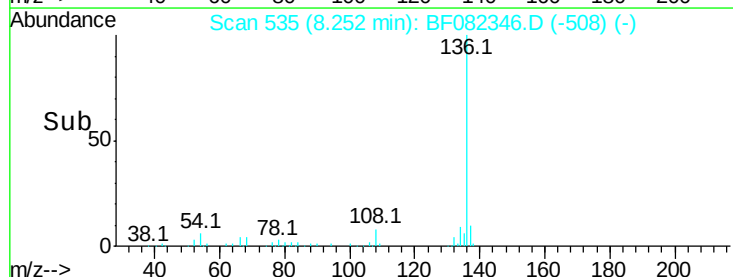
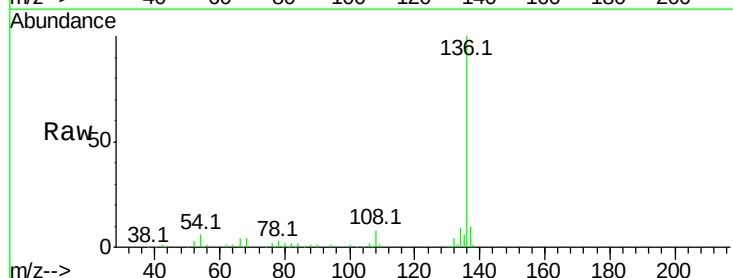
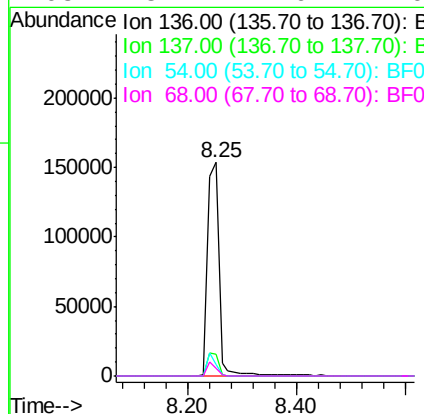
RT: 8.25 min Scan# 535

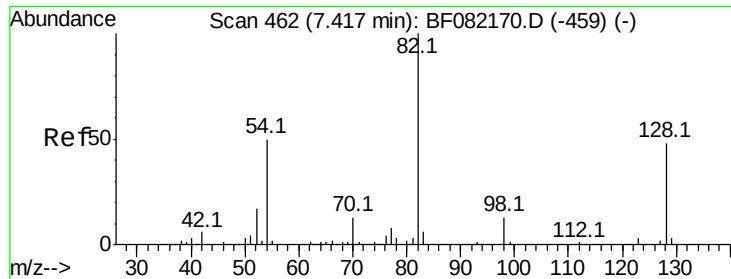
Delta R.T. 0.01 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Tgt Ion:	136	Resp:	225139
Ion Ratio	Lower	Upper	
136	100		
137	10.2	9.0	13.6
54	5.5	7.5	11.3#
68	3.7	4.6	7.0#





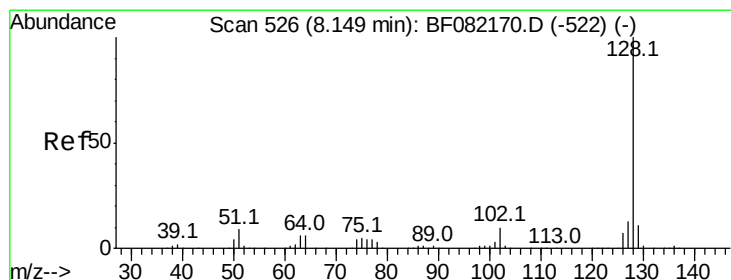
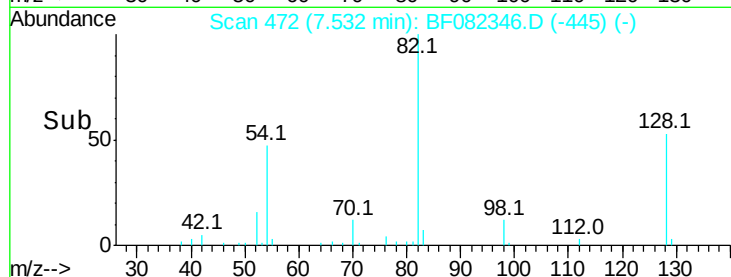
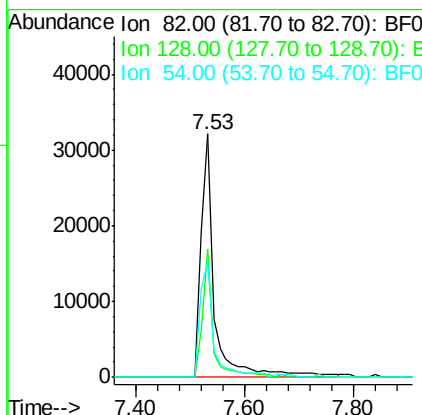
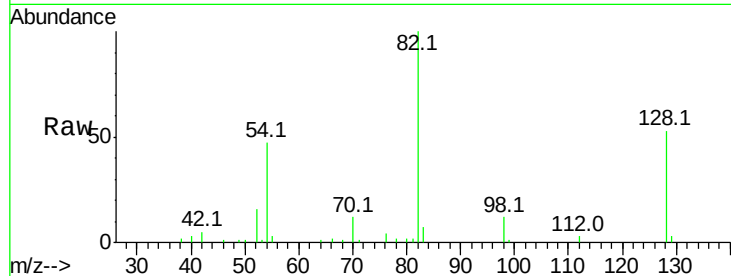
#23
 Nitrobenzene-d5
 Concen: 16.13 ng
 RT: 7.53 min Scan# 472
 Delta R.T. 0.01 min
 Lab File: BF082346.D
 Acq: 17 Oct 2015 2:02

Instrument :
 BNA_F
 ClientSampleId :
 KW-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	52.6	38.7	58.1
54	47.3	40.1	60.1

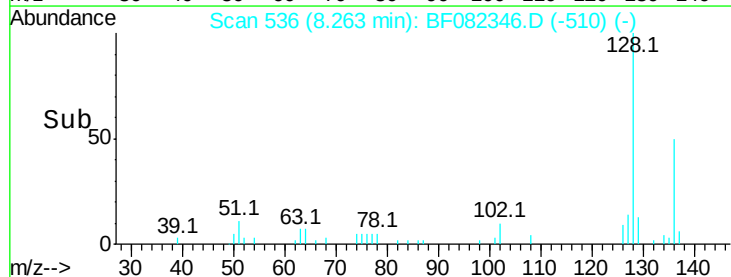
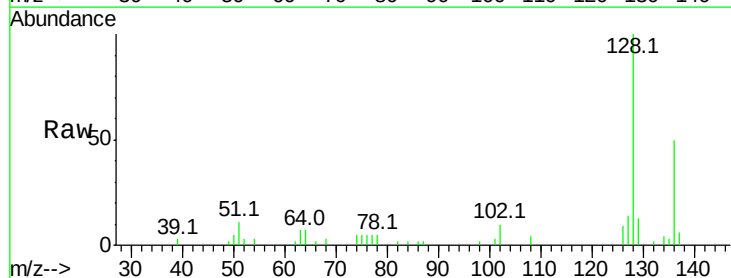
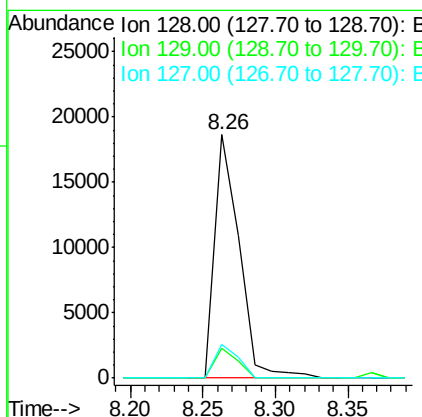
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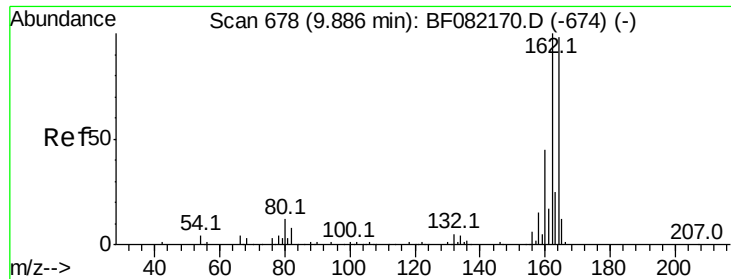
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#31
 Naphthalene
 Concen: 2.24 ng
 RT: 8.26 min Scan# 536
 Delta R.T. -0.00 min
 Lab File: BF082346.D
 Acq: 17 Oct 2015 2:02

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.5	9.1	13.7
127	13.8	10.7	16.1





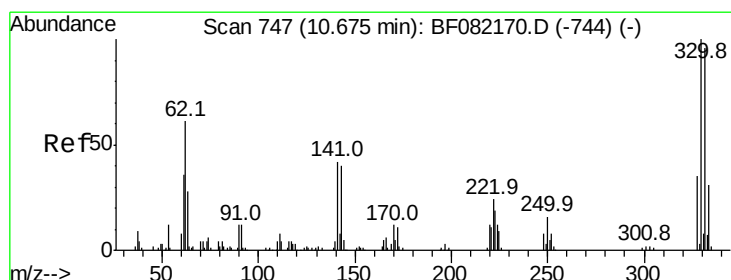
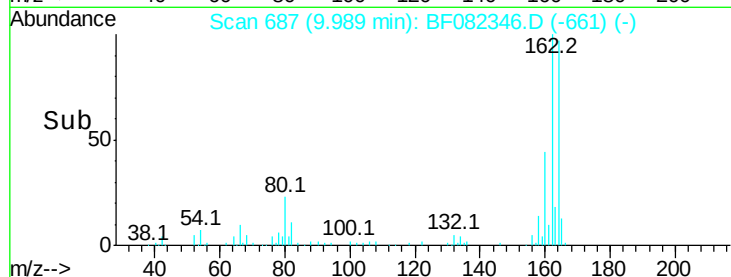
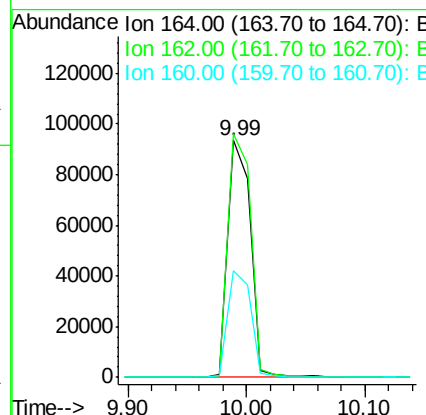
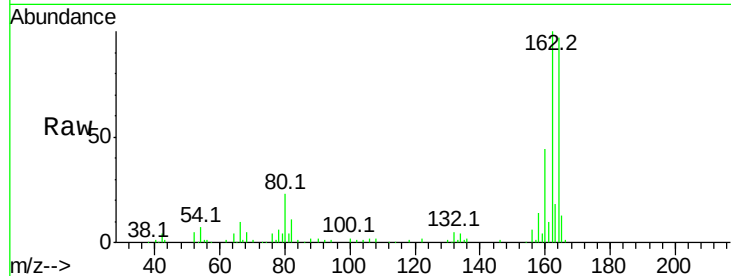
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.99 min Scan# 687
Delta R.T. -0.00 min
Lab File: BF082346.D
Acq: 17 Oct 2015 2:02

Instrument :
BNA_F
ClientSampleId :
KW-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.7	81.6	122.4	
160	44.9	36.4	54.6	

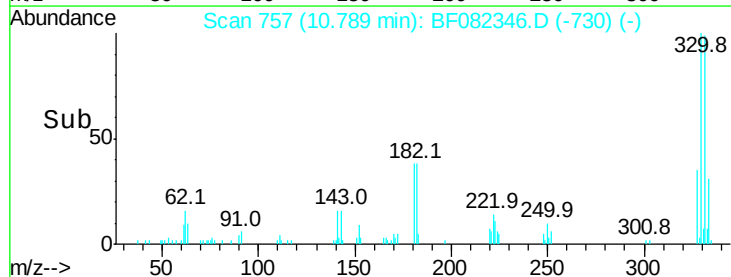
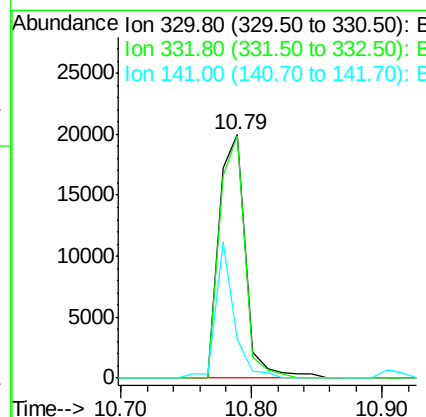
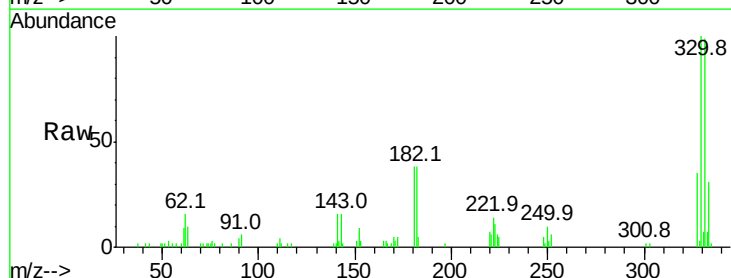
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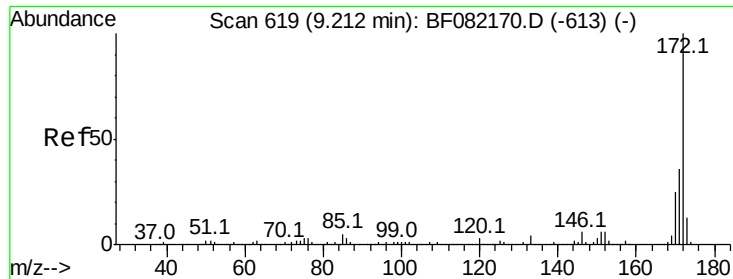
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#41
2,4,6-Tribromophenol
Concen: 24.62 ng
RT: 10.79 min Scan# 757
Delta R.T. 0.01 min
Lab File: BF082346.D
Acq: 17 Oct 2015 2:02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.2	77.1	115.7	
141	38.8	29.8	44.8	





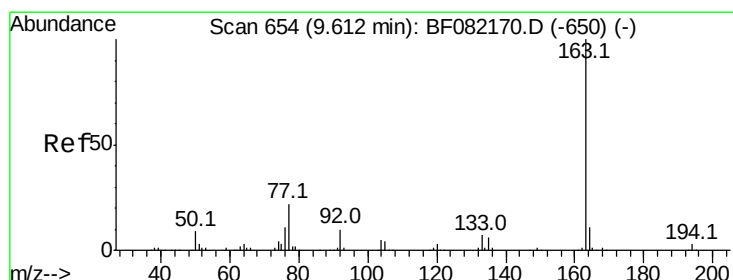
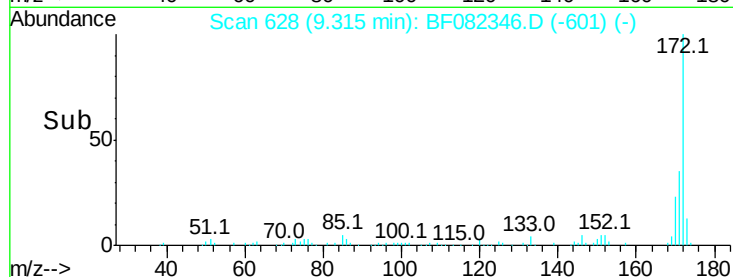
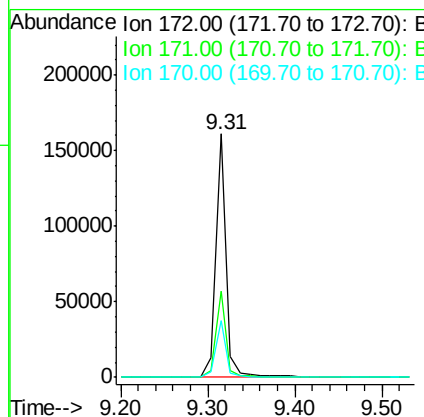
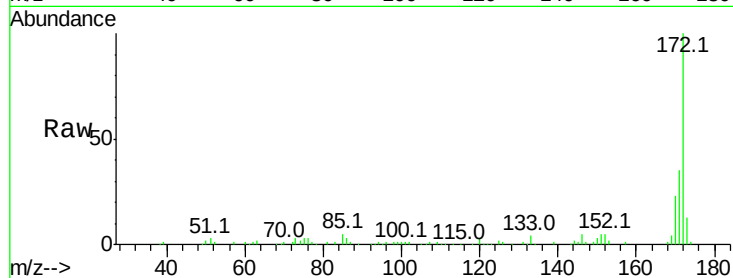
#44
 2-Fluorobiphenyl
 Concen: 18.52 ng
 RT: 9.31 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: BF082346.D
 Acq: 17 Oct 2015 2:02

Instrument :
 BNA_F
 ClientSampleId :
 KW-2

Tot Ion:	172	Resp:	136869
Ion Ratio	Lower	Upper	
172	100		
171	35.3	28.6	42.8
170	23.2	19.7	29.5

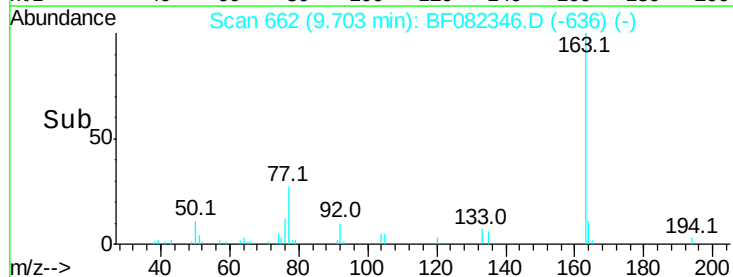
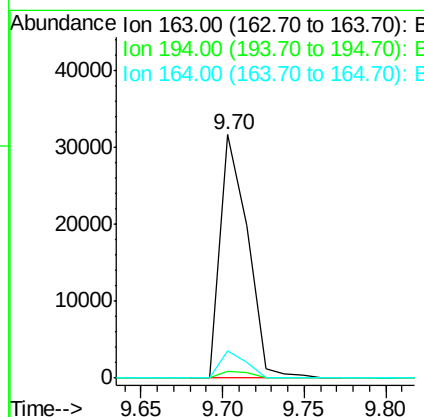
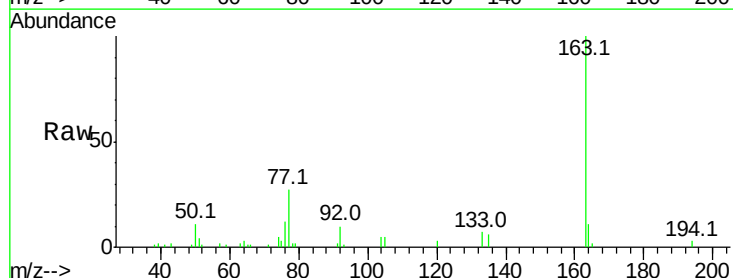
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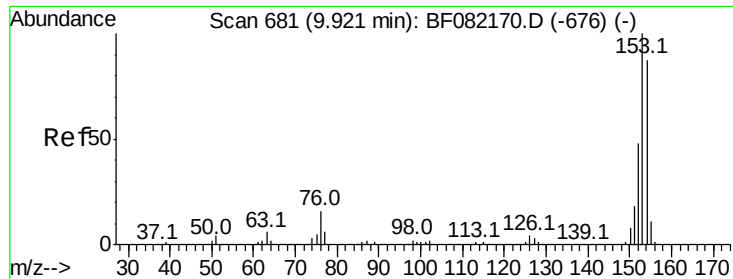
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#49
 Dimethylphthalate
 Concen: 4.25 ng
 RT: 9.70 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: BF082346.D
 Acq: 17 Oct 2015 2:02

Tgt Ion:	163	Resp:	36703
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.6	4.0
164	11.0	8.5	12.7





#51

Acenaphthene

Concen: 4.77 ng

RT: 10.02 min Scan# 690

Delta R.T. -0.00 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Instrument :

BNA_F

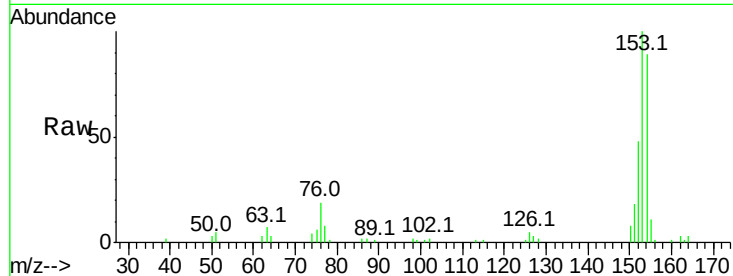
ClientSampled :

KW-2

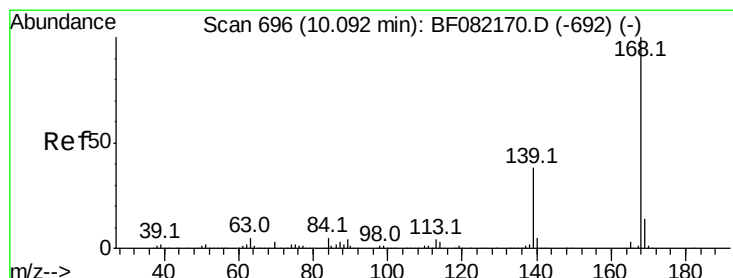
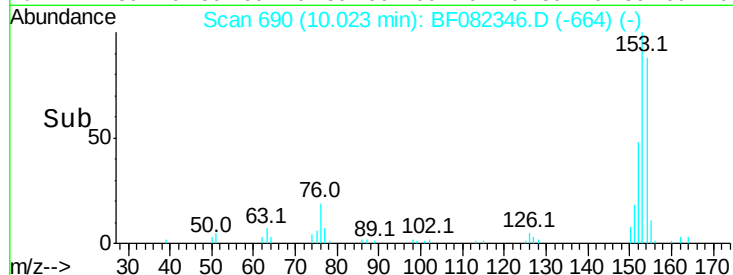
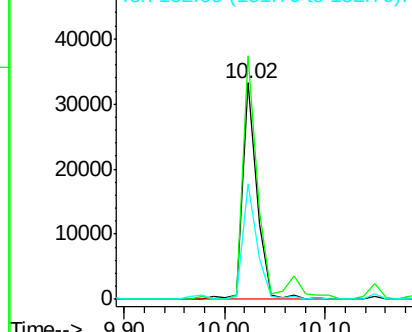
Tot Ion:	154	Resp:	32838
Ion Ratio	Lower	Upper	
154	100		
153	112.5	91.4	137.2
152	53.6	44.3	66.5

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



#54

Dibenzofuran

Concen: 3.88 ng

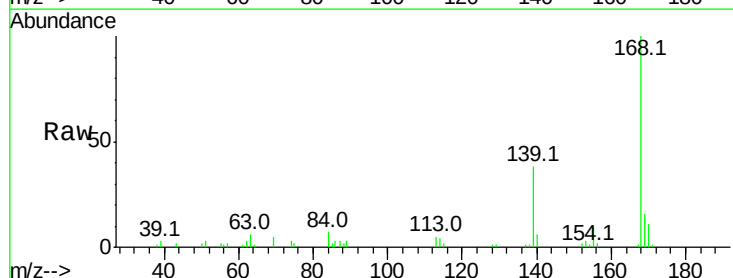
RT: 10.19 min Scan# 705

Delta R.T. -0.00 min

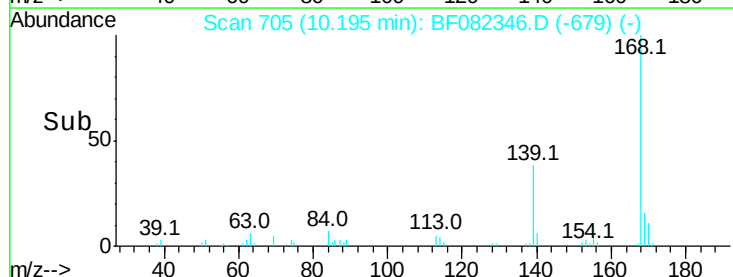
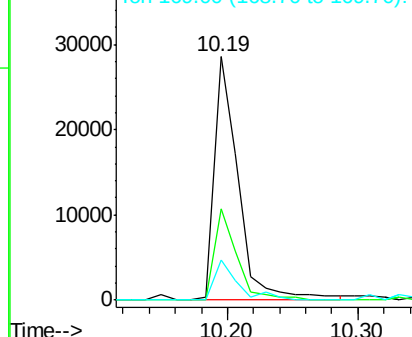
Lab File: BF082346.D

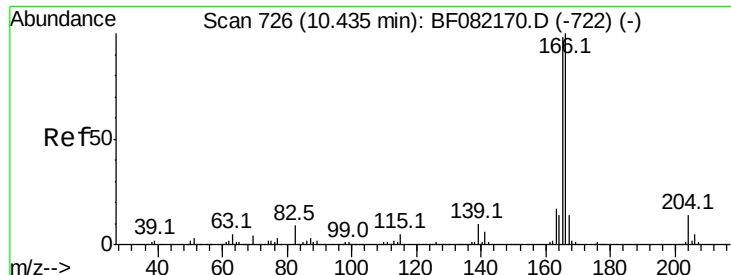
Acq: 17 Oct 2015 2:02

Tgt Ion:	168	Resp:	36648
Ion Ratio	Lower	Upper	
168	100		
139	37.5	31.0	46.6
169	16.3	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





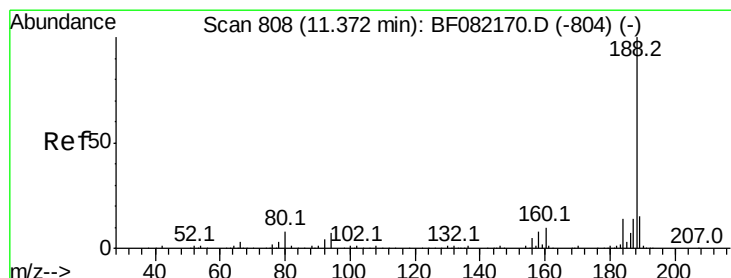
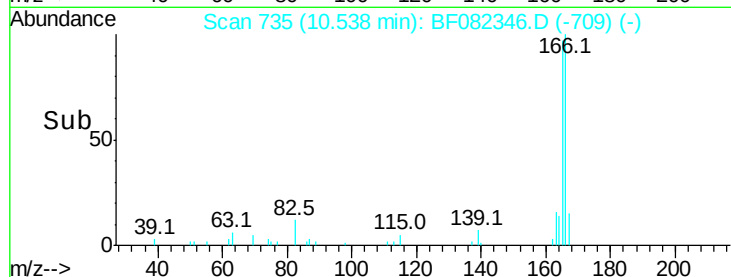
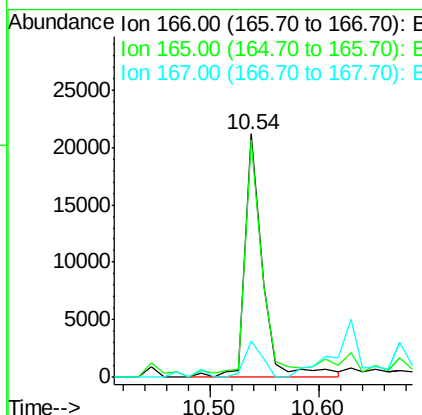
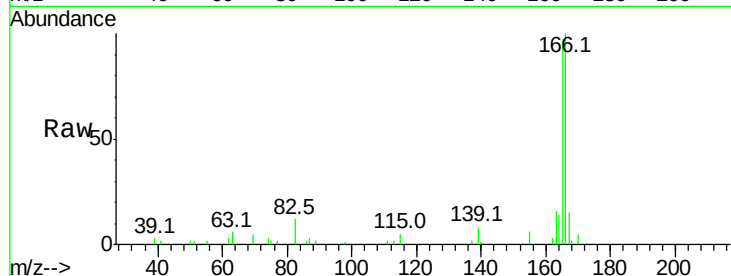
#57
Fluorene
 Concen: 3.06 ng
 RT: 10.54 min Scan# 735
 Delta R.T. -0.00 min
 Lab File: BF082346.D
 Acq: 17 Oct 2015 2:02

Instrument :
 BNA_F
 ClientSampleId :
 KW-2

Tot Ion	Ratio	Resp	Lower	Upper
166	100	23764		
165	97.2		78.3	117.5
167	15.0		10.8	16.2

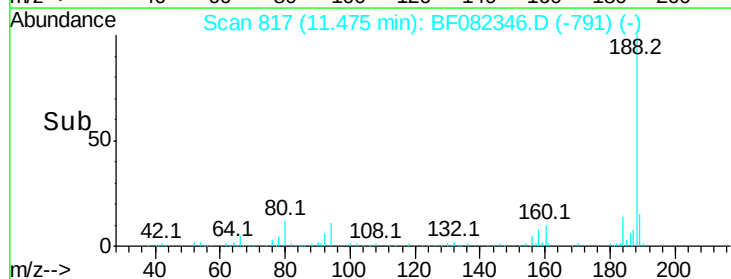
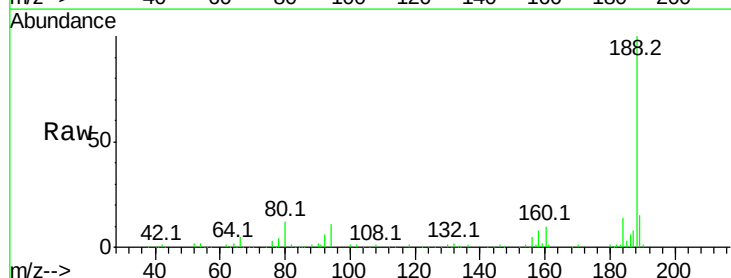
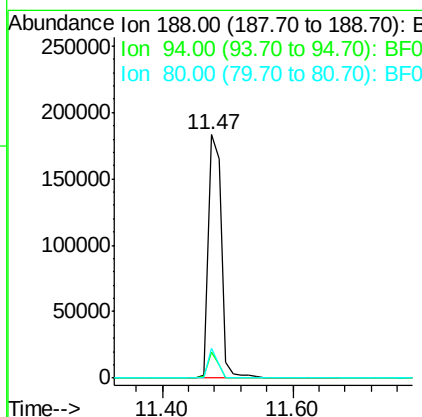
Manual Integrations
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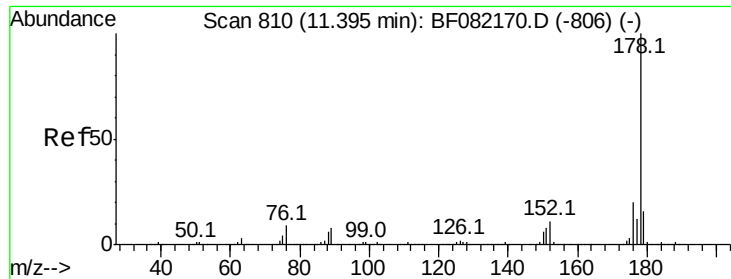
MMdadoda
 10/19/2015 5:32:38 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.47 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF082346.D
 Acq: 17 Oct 2015 2:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	257737		
94	10.8		5.8	8.6#
80	12.3		6.4	9.6#





#70

Phenanthrene

Concen: 63.89 ng

RT: 11.51 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Instrument :

BNA_F

ClientSampleId :

KW-2

Tot Ion:178 Resp: 807095

Ion Ratio Lower Upper

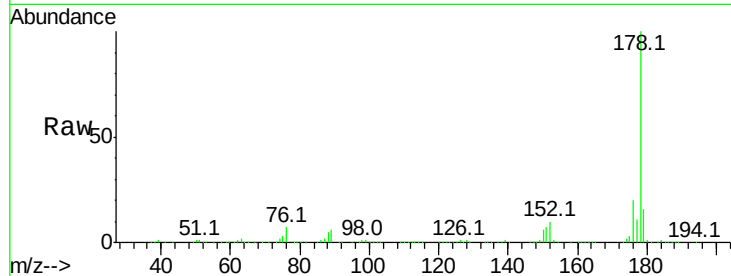
178 100

176 19.6 16.0 24.0

179 15.6 12.6 19.0

Manual Integrations
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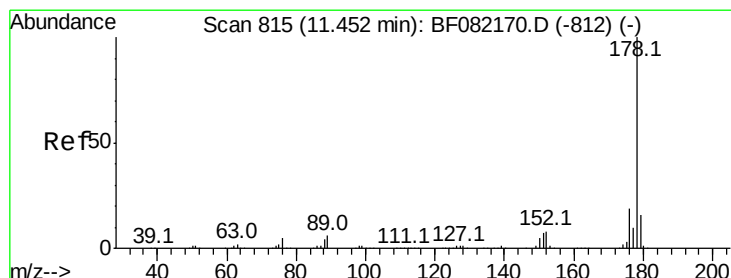
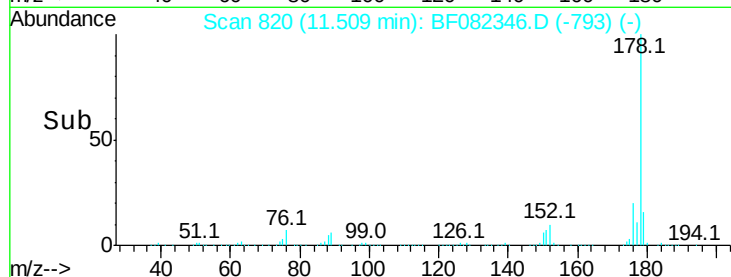
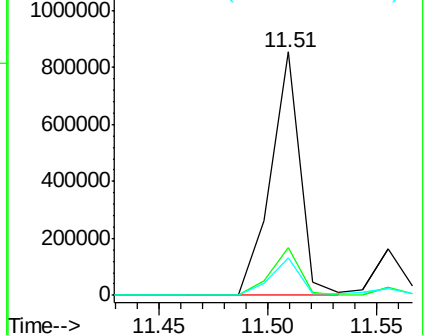
MMdadoda
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 12.33 ng

RT: 11.55 min Scan# 824

Delta R.T. 0.01 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

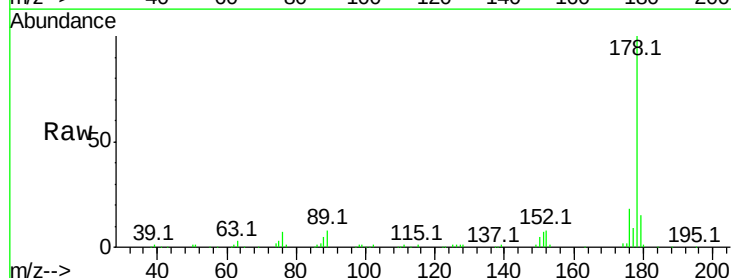
Tgt Ion:178 Resp: 160535

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.0

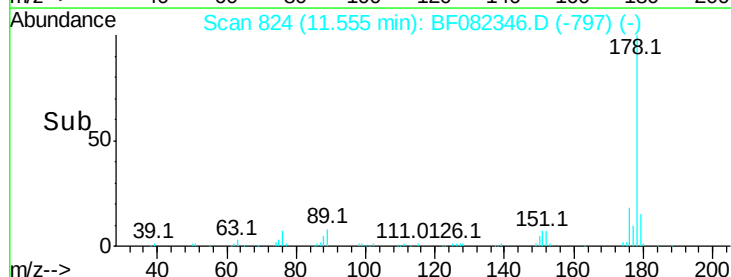
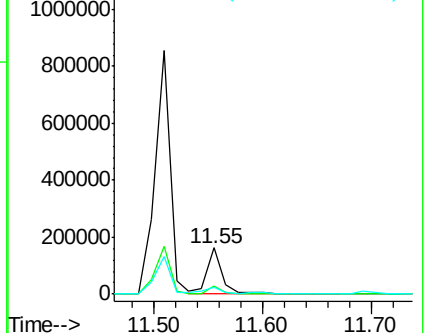
179 15.2 12.5 18.7

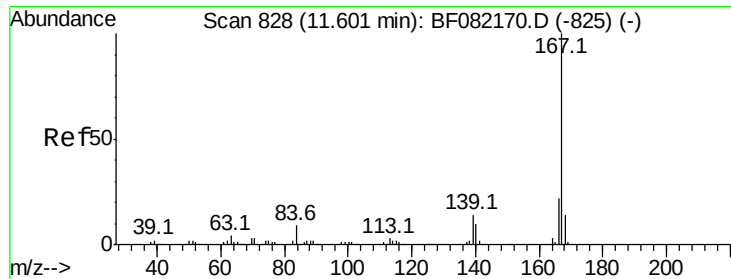


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 6.71 ng

RT: 11.71 min Scan# 838

Delta R.T. 0.01 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Instrument :

BNA_F

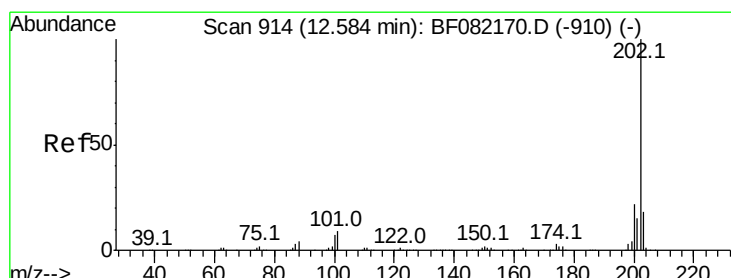
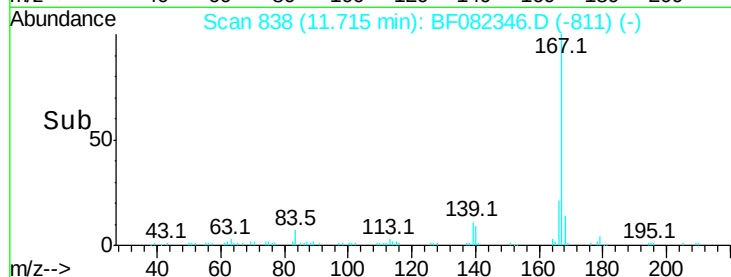
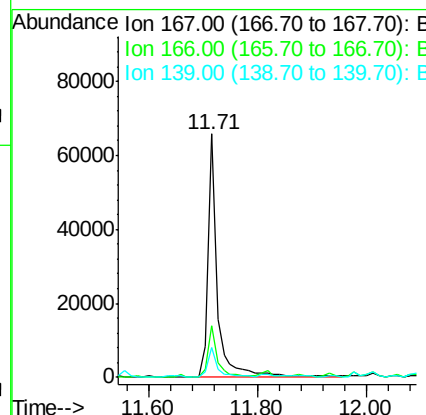
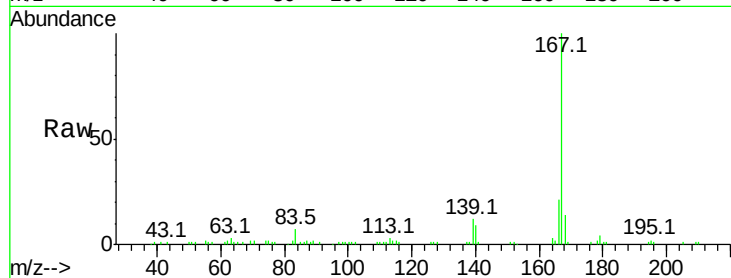
ClientSampleId :

KW-2

Tot Ion:	167	Resp:	79736
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.3	25.9
139	12.4	11.2	16.8

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#74

Fluoranthene

Concen: 72.45 ng

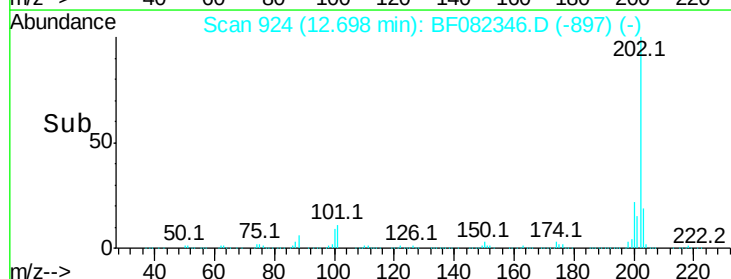
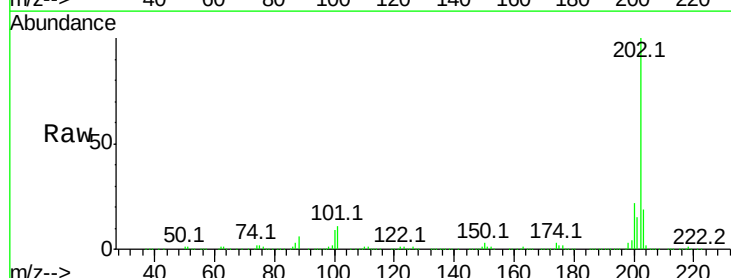
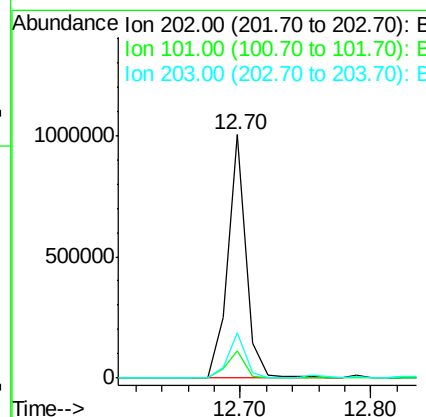
RT: 12.70 min Scan# 924

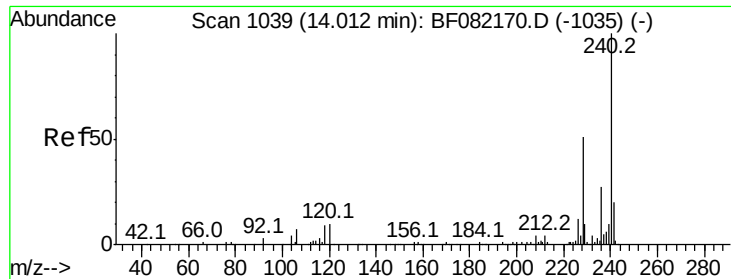
Delta R.T. 0.01 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Tgt Ion:	202	Resp:	983072
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	29.3
203	18.5	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.16 min Scan# 1052

Delta R.T. 0.02 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Instrument :

BNA_F

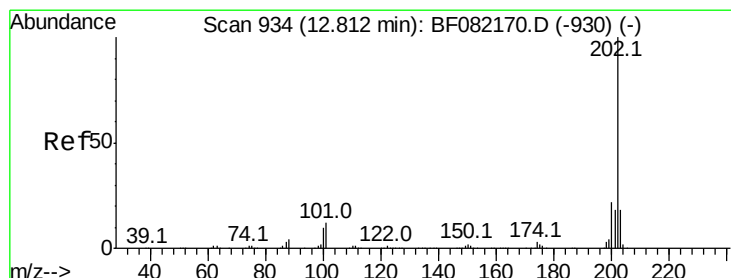
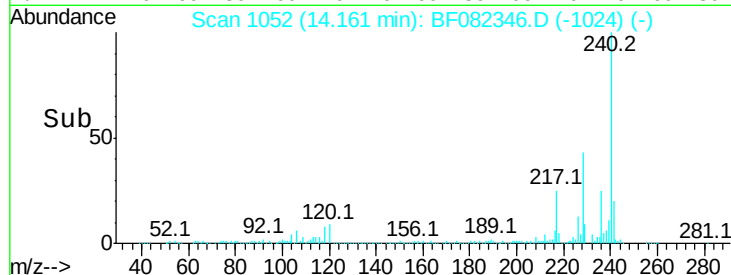
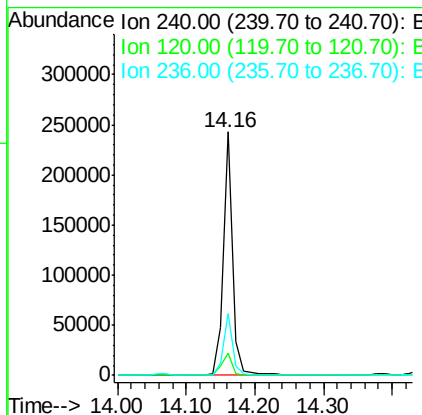
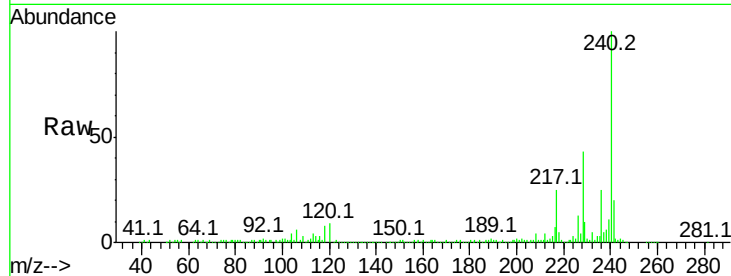
ClientSampleId :

KW-2

Tot Ion:	240	Resp:	234925
Ion Ratio	Lower	Upper	
240	100		
120	9.3	8.1	12.1
236	25.3	21.3	31.9

Manual Integrations
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#77

Pyrene

Concen: 59.41 ng

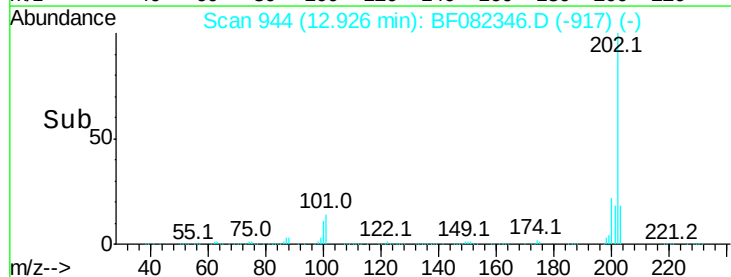
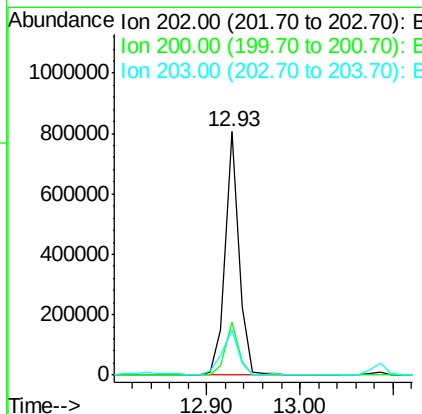
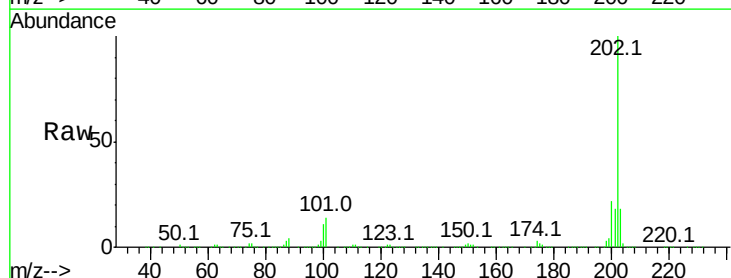
RT: 12.93 min Scan# 944

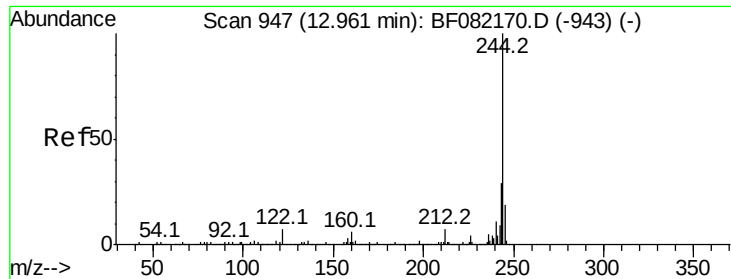
Delta R.T. 0.01 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Tgt Ion:	202	Resp:	828278
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.9	26.9
203	18.5	14.5	21.7





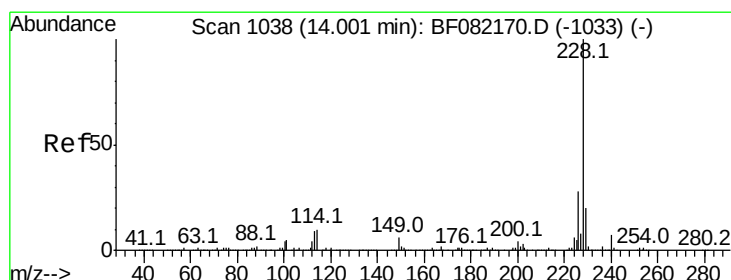
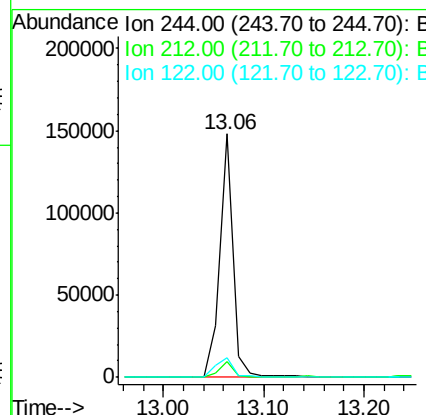
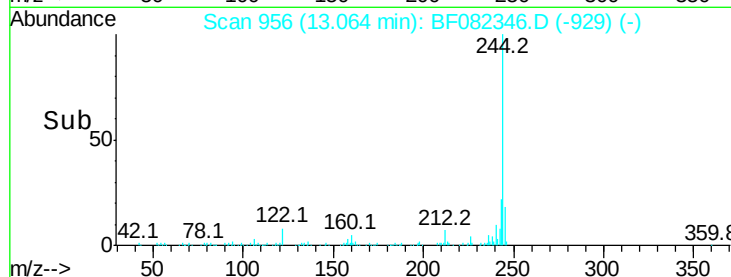
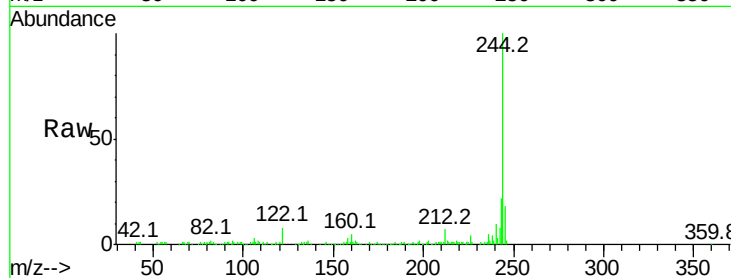
#78
 Terphenyl-d14
 Concen: 15.39 ng
 RT: 13.06 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: BF082346.D
 Acq: 17 Oct 2015 2:02

Instrument :
 BNA_F
 ClientSampleId :
 KW-2

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.8	8.6
122	8.0	5.9	8.9

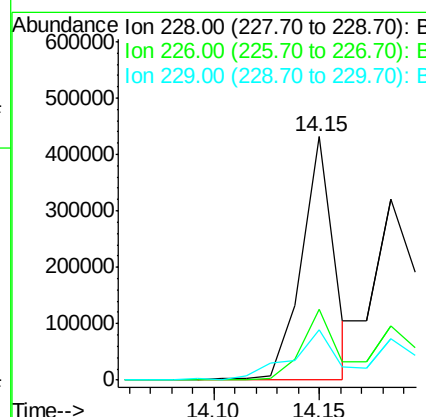
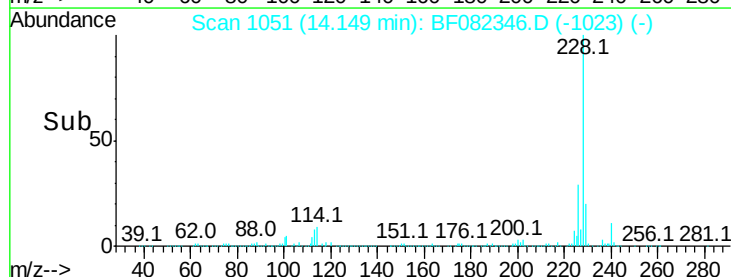
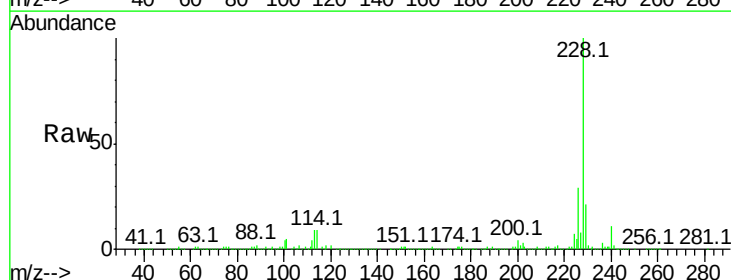
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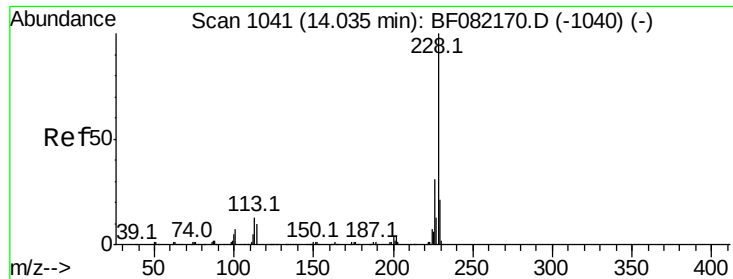
MMdadoda
 10/19/2015 5:32:38 PM



#80
 Benzo(a)anthracene
 Concen: 38.23 ng m
 RT: 14.15 min Scan# 1051
 Delta R.T. 0.02 min
 Lab File: BF082346.D
 Acq: 17 Oct 2015 2:02

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.0	22.3	33.5
229	20.5	16.2	24.2





#82

Chrysene

Concen: 34.59 ng/mL

RT: 14.18 min Scan# 1054

Delta R.T. 0.01 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Instrument :

BNA_F

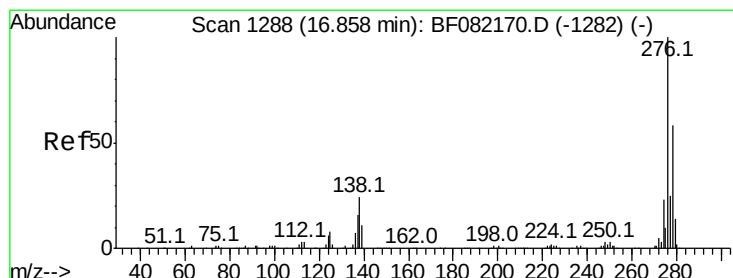
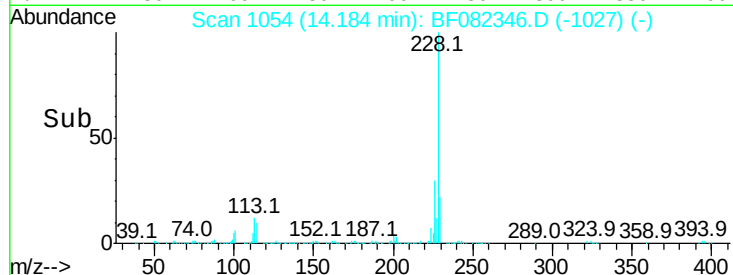
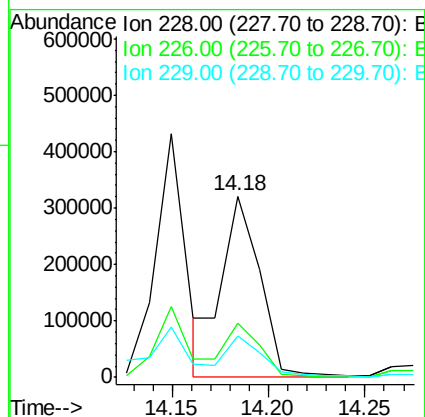
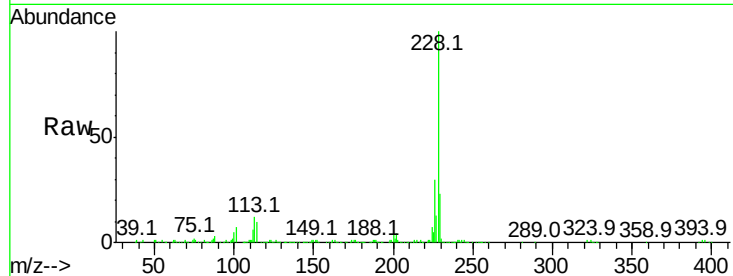
ClientSampleID :

KW-2

Tot Ion:	228	Resp:	445476
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.4	36.6
229	22.5	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 19.21 ng/mL

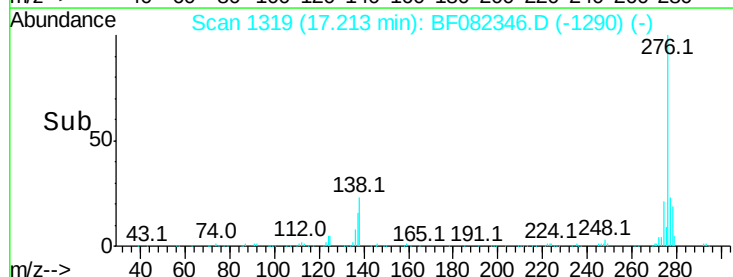
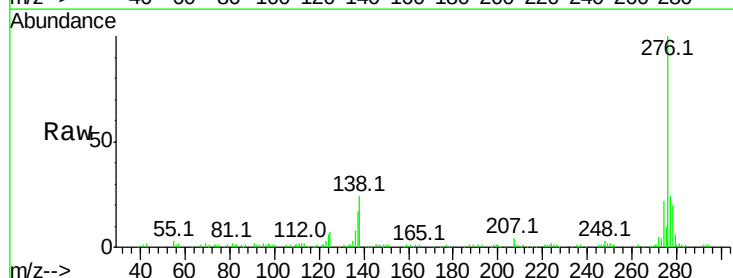
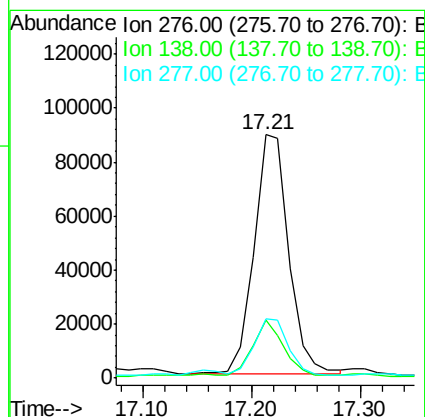
RT: 17.21 min Scan# 1319

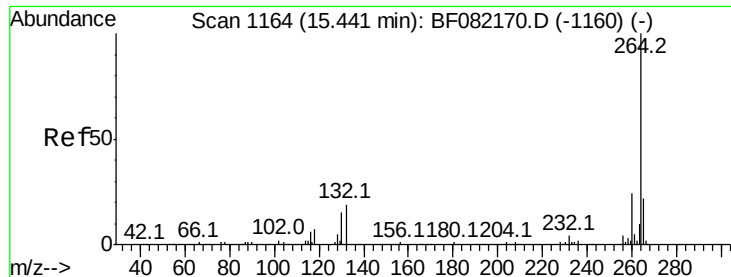
Delta R.T. 0.03 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Tgt Ion:	276	Resp:	196628
Ion Ratio	Lower	Upper	
276	100		
138	21.2	19.7	29.5
277	23.7	20.1	30.1





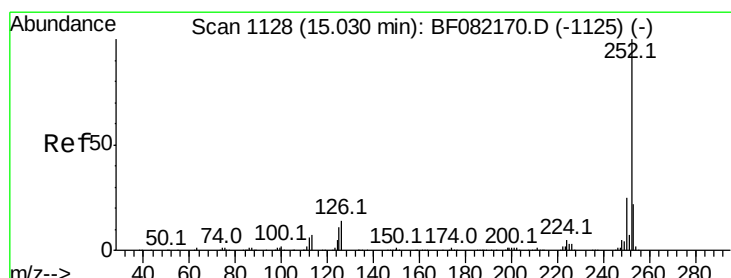
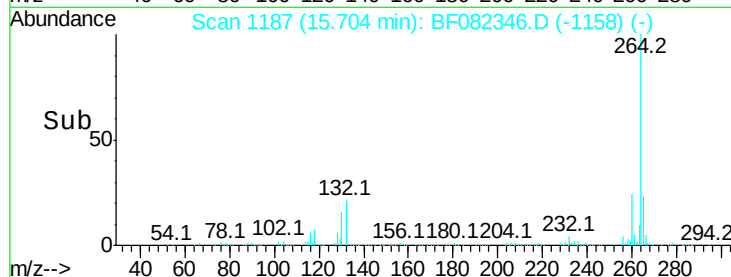
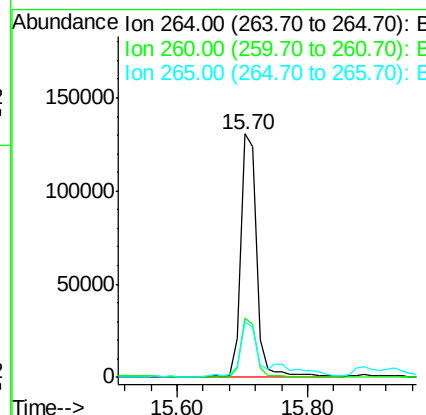
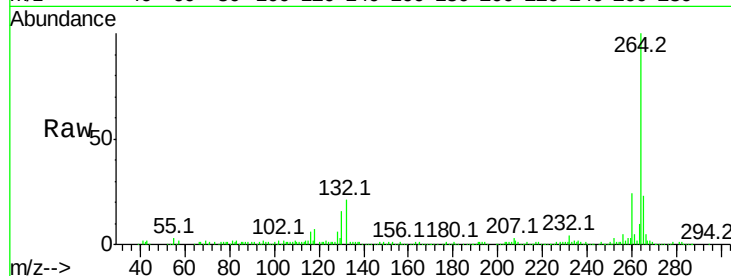
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.70 min Scan# 1187
Delta R.T. 0.03 min
Lab File: BF082346.D
Acq: 17 Oct 2015 2:02

Instrument :
BNA_F
ClientSampleId :
KW-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	23.0	17.3	25.9

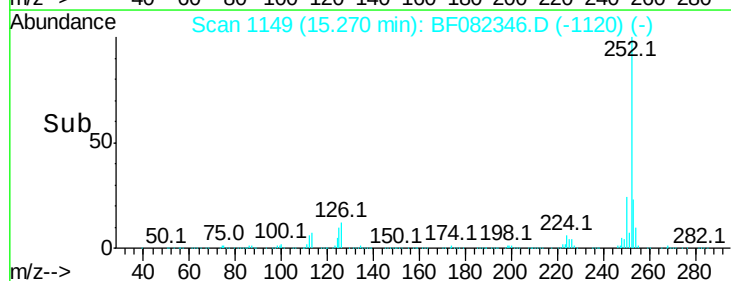
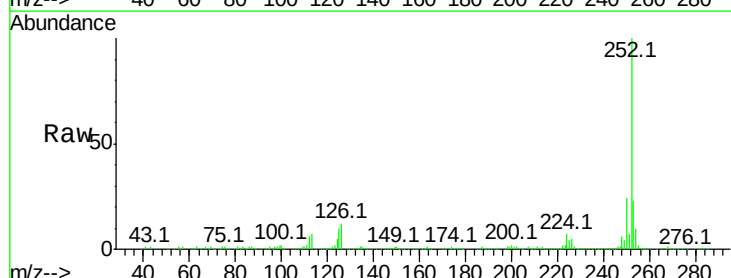
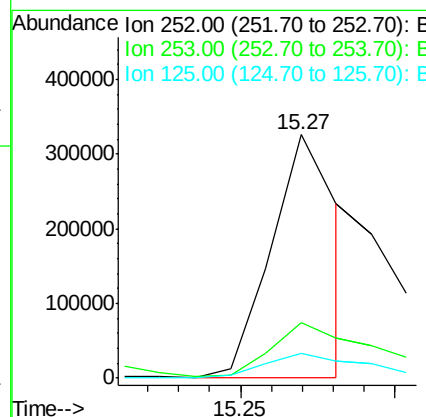
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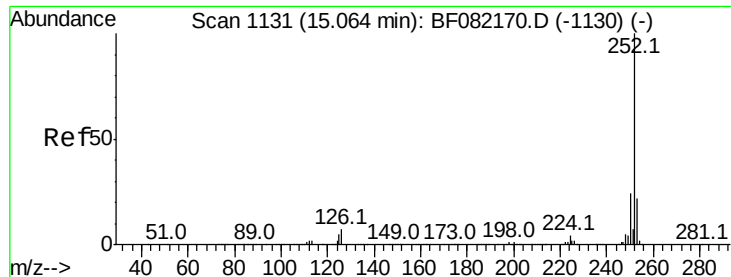
MMdadoda
10/19/2015 5:32:38 PM



#87
Benzo(b)fluoranthene
Concen: 37.29 ng m
RT: 15.27 min Scan# 1149
Delta R.T. 0.03 min
Lab File: BF082346.D
Acq: 17 Oct 2015 2:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	10.0	8.6	12.8





#88

Benzo(k)fluoranthene

Concen: 20.04 ng

RT: 15.28 min Scan# 1150

Delta R.T. 0.02 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Instrument :

BNA_F

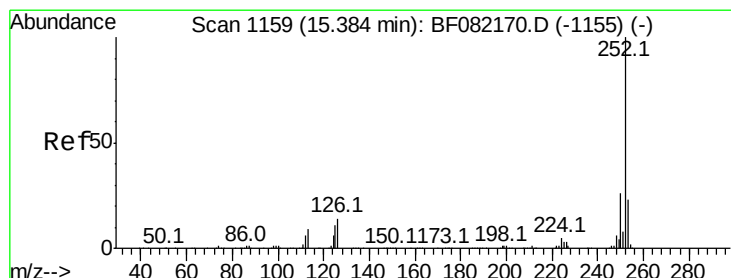
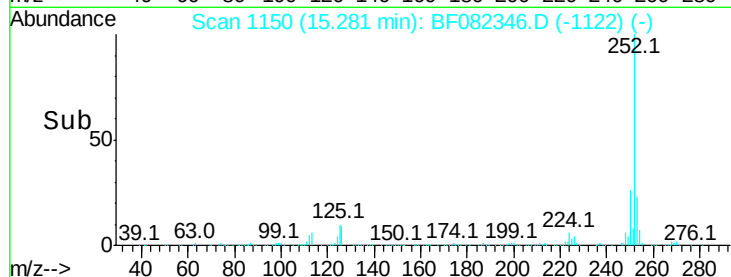
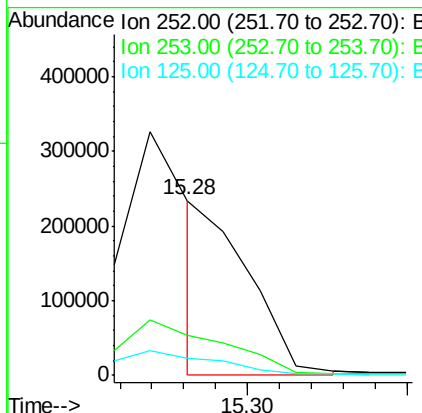
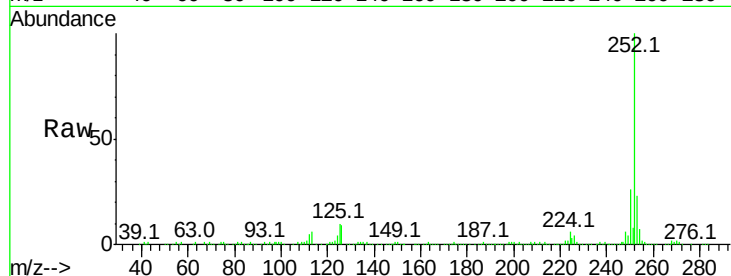
ClientSampleId :

KW-2

Tot Ion:	252	Resp:	222977
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.6
125	9.8	6.7	10.1

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#89

Benzo(a)pyrene

Concen: 30.35 ng

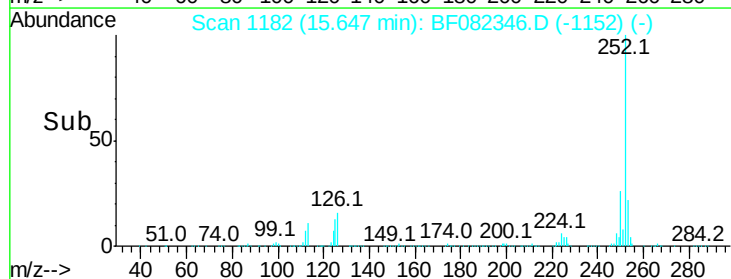
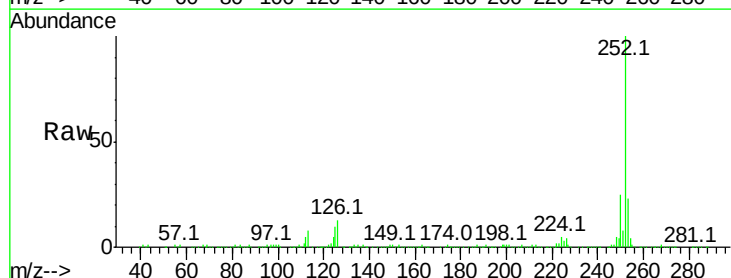
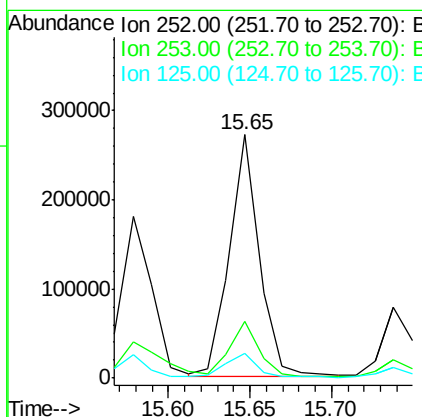
RT: 15.65 min Scan# 1182

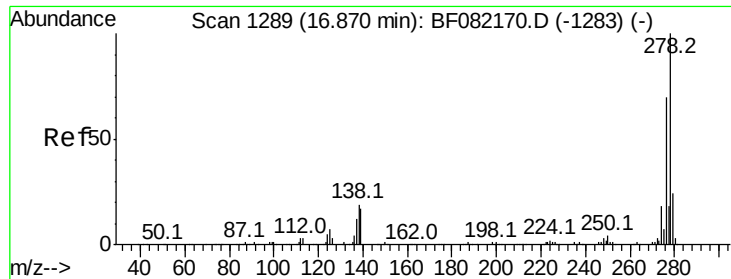
Delta R.T. 0.05 min

Lab File: BF082346.D

Acq: 17 Oct 2015 2:02

Tgt Ion:	252	Resp:	345180
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.2
125	10.0	8.9	13.3





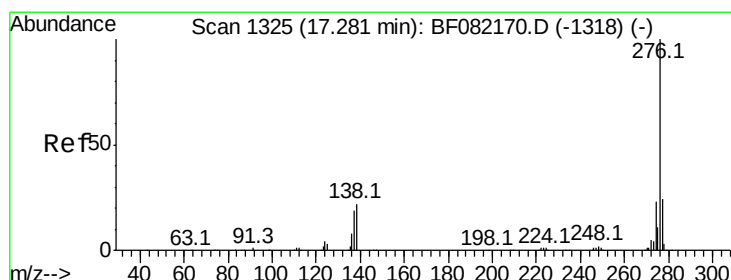
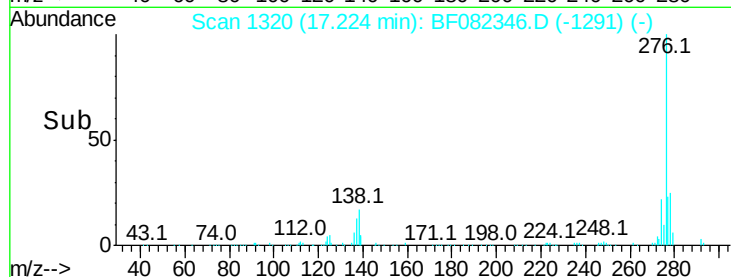
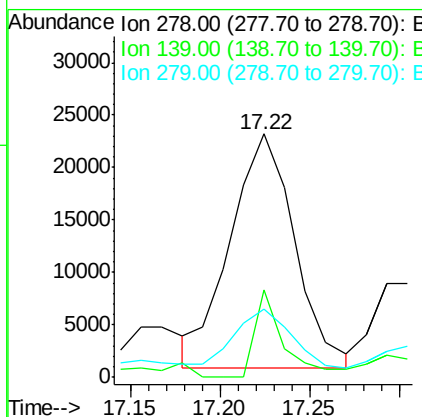
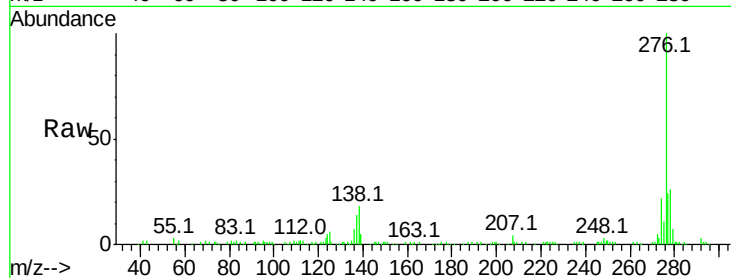
#90
Dibenzo(a,h)anthracene
Concen: 6.00 ng/mL
RT: 17.22 min Scan# 1320
Delta R.T. 0.03 min
Lab File: BF082346.D
Acq: 17 Oct 2015 2:02

Instrument :
BNA_F
ClientSampleId :
KW-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.1	13.3	19.9
279	28.1	18.9	28.3

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#91
Benzo(g,h,i)perylene
Concen: 19.08 ng/mL
RT: 17.68 min Scan# 1360
Delta R.T. 0.06 min
Lab File: BF082346.D
Acq: 17 Oct 2015 2:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	18.6	17.4	26.2

