

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
 Data File : BF083892.D
 Acq On : 18 Dec 2015 2:56
 Operator : UM/SJ
 Sample : G4680-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K212-(0-2)

Manual Integrations
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 12/18/2015 6:21:48 PM

Quant Time: Dec 18 06:07:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 01:01:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	59285	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	238110	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	106219	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	182439	20.00	ng	0.00
75) Chrysene-d12	14.03	240	123577	20.00	ng	0.00
86) Perylene-d12	15.47	264	126809	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	425200	112.24	ng	0.01
7) Phenol-d6	6.51	99	461489	99.52	ng	0.00
23) Nitrobenzene-d5	7.44	82	300491	72.02	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	126487	108.09	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	517599	66.05	ng	-0.01
78) Terphenyl-d14	12.98	244	409925	76.96	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.18	128	56170	2.61	ng	98
32) Benzoic acid	7.89	122	2548	3.94	ng	# 82
37) 2-Methylnaphthalene	8.88	142	20412	2.47	ng	94
48) Acenaphthylene	9.77	152	153383	12.39	ng	99
49) Dimethylphthalate	9.63	163	134529	15.09	ng	99
70) Phenanthrene	11.41	178	193360	17.54	ng	99
71) Anthracene	11.47	178	89490	8.40	ng	98
74) Fluoranthene	12.61	202	481096	43.74	ng	94
77) Pyrene	12.84	202	635435	72.86	ng	100
80) Benzo(a)anthracene	14.02	228	313832	41.31	ng	95
82) Chrysene	14.07	228	254286	34.65	ng	97
85) Indeno(1,2,3-cd)pyrene	16.91	276	166145	30.27	ng	94
87) Benzo(b)fluoranthene	15.06	252	281151m	30.41	ng	
88) Benzo(k)fluoranthene	15.07	252	140204m	18.38	ng	
89) Benzo(a)pyrene	15.41	252	238624	31.26	ng	# 94
90) Dibenzo(a,h)anthracene	16.90	278	44548m	7.50	ng	
91) Benzo(g,h,i)perylene	17.33	276	180893	31.08	ng	100

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

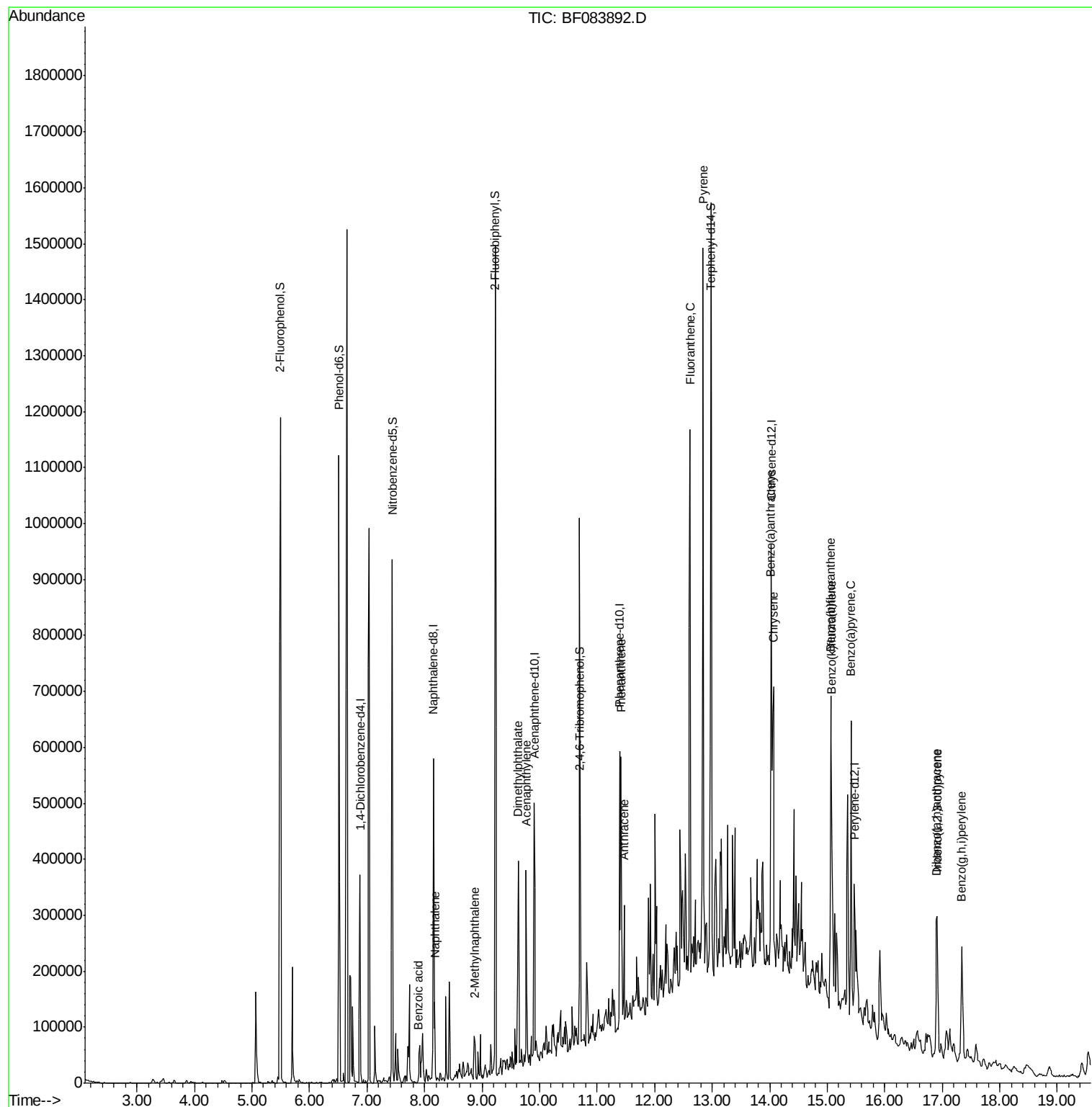
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121815\
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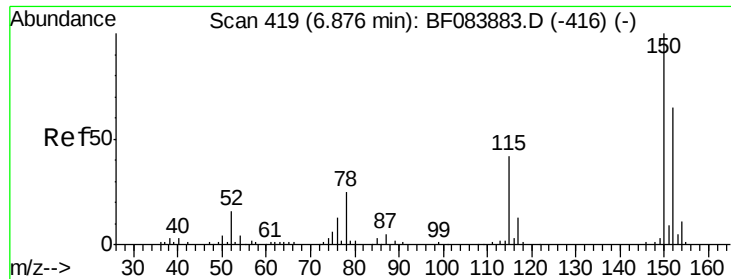
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 01:01:02 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 419

Delta R.T. -0.00 min

Lab File: BF083892.D

Acq: 18 Dec 2015 2:56

Instrument :

BNA_F

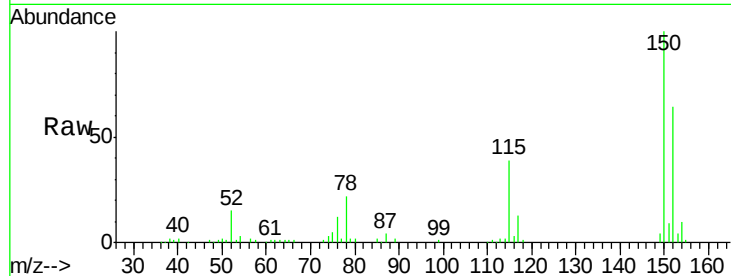
ClientSampleId :

K212-(0-2)

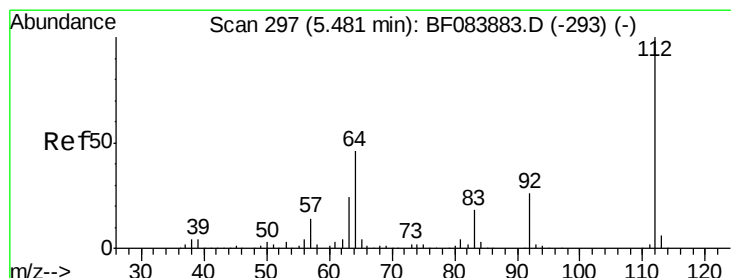
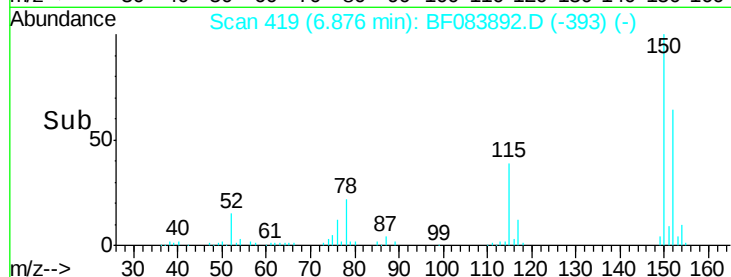
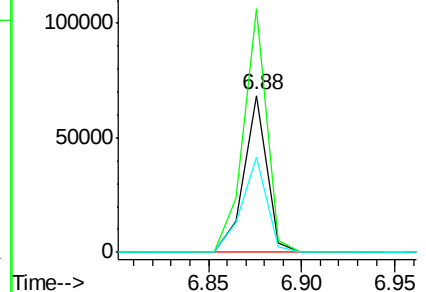
Tgt Ion:	152	Resp:	59285
Ion Ratio	Lower	Upper	
152	100		
150	155.3	123.0	184.4
115	60.8	51.4	77.2

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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: 112.24 ng

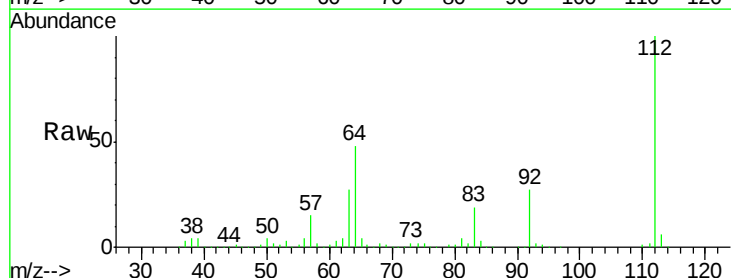
RT: 5.49 min Scan# 298

Delta R.T. 0.01 min

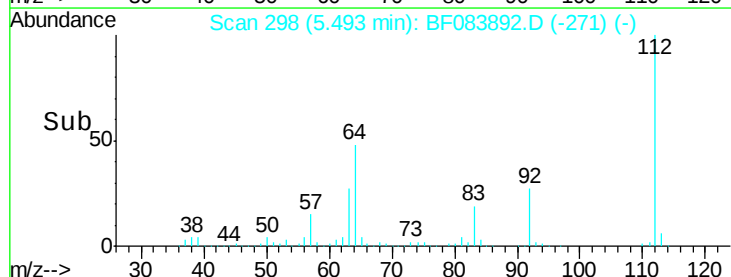
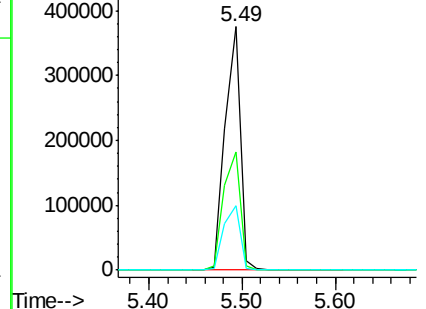
Lab File: BF083892.D

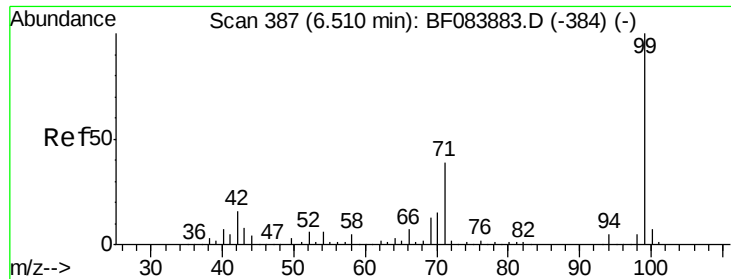
Acq: 18 Dec 2015 2:56

Tgt Ion:	112	Resp:	425200
Ion Ratio	Lower	Upper	
112	100		
64	48.4	36.6	55.0
63	26.7	19.4	29.0



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: 99.52 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.00 min

Lab File: BF083892.D

Acq: 18 Dec 2015 2:56

Instrument :

BNA_F

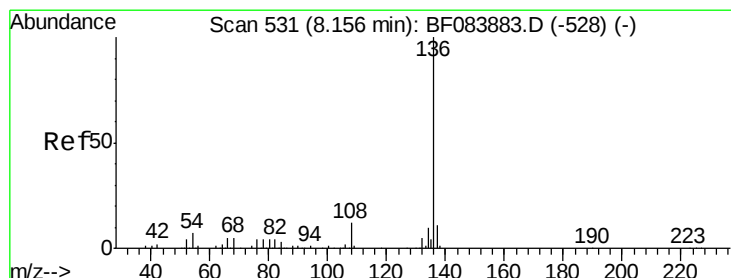
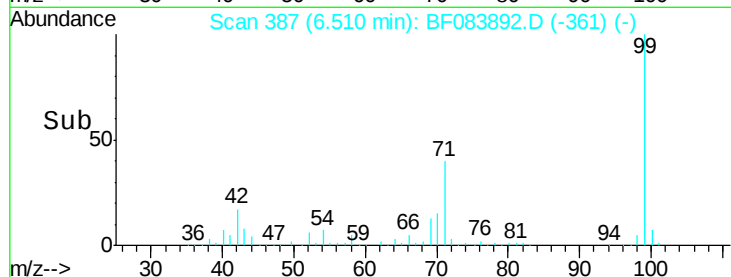
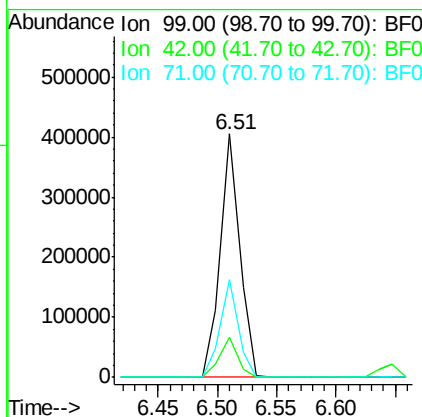
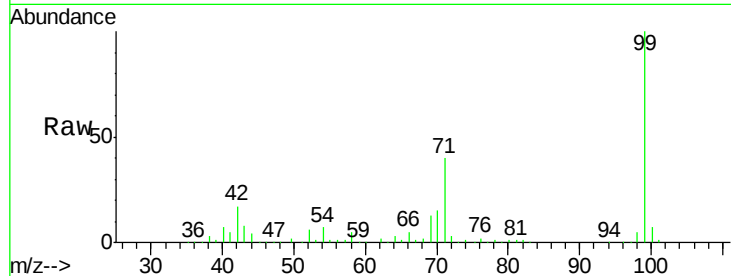
ClientSampleId :

K212-(0-2)

Tgt Ion:	99	Resp:	461489
Ion Ratio	Lower	Upper	
99	100		
42	16.7	12.8	19.2
71	40.4	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

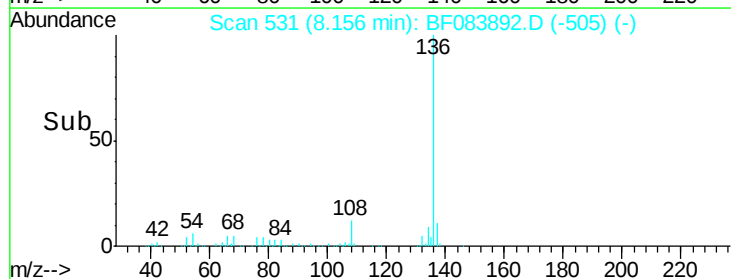
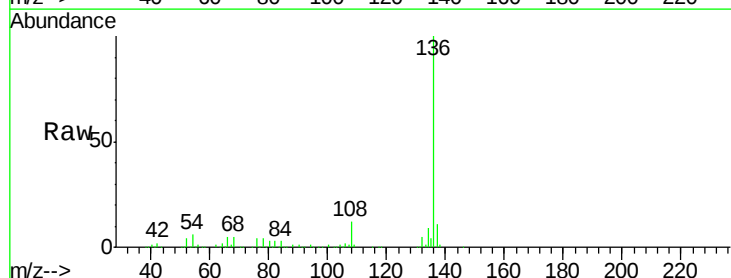
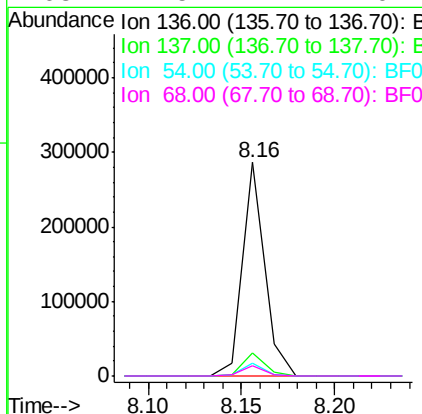
RT: 8.16 min Scan# 531

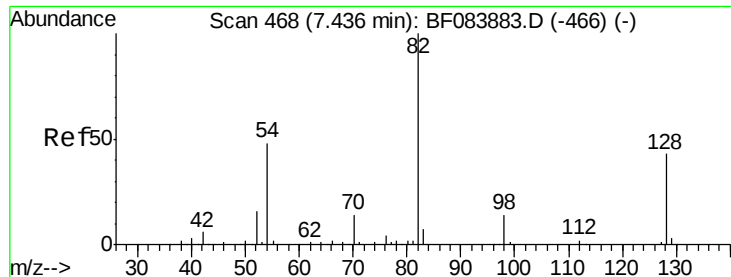
Delta R.T. -0.00 min

Lab File: BF083892.D

Acq: 18 Dec 2015 2:56

Tgt Ion:	136	Resp:	238110
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	6.3	5.8	8.8
68	4.5	4.2	6.2





#23

Nitrobenzene-d5

Concen: 72.02 ng

RT: 7.44 min Scan# 468

Delta R.T. -0.00 min

Lab File: BF083892.D

Acq: 18 Dec 2015 2:56

Instrument :

BNA_F

ClientSampleId :

K212-(0-2)

Tgt Ion: 82 Resp: 300491
Ion Ratio Lower Upper

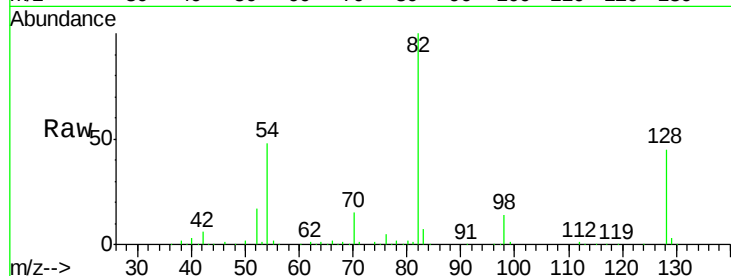
82 100

128 44.6 34.6 51.8

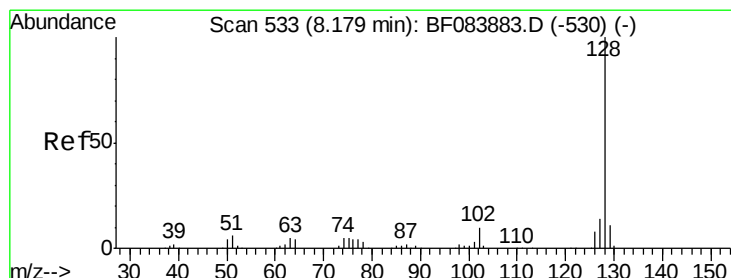
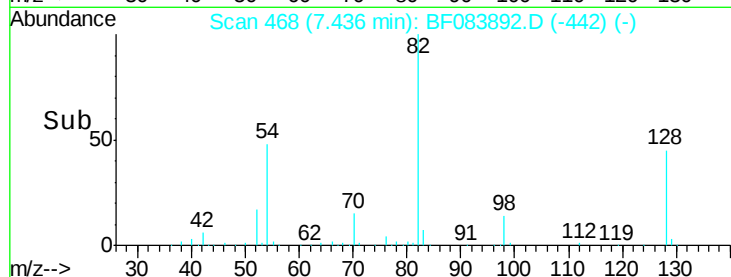
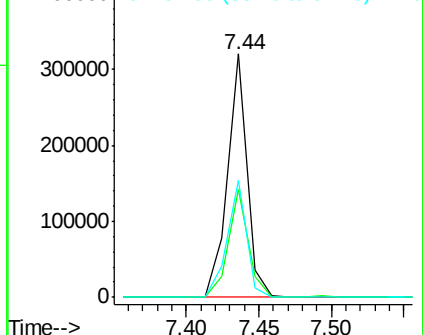
54 47.8 38.4 57.6

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



#31

Naphthalene

Concen: 2.61 ng

RT: 8.18 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF083892.D

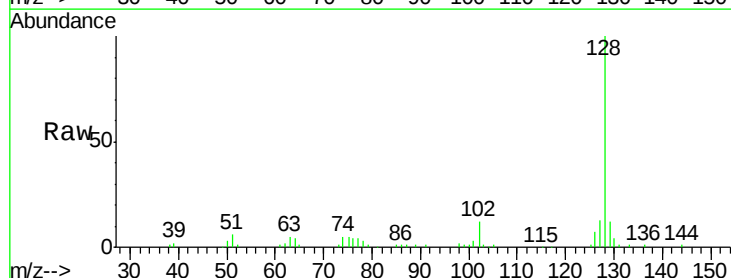
Acq: 18 Dec 2015 2:56

Tgt Ion: 128 Resp: 56170
Ion Ratio Lower Upper

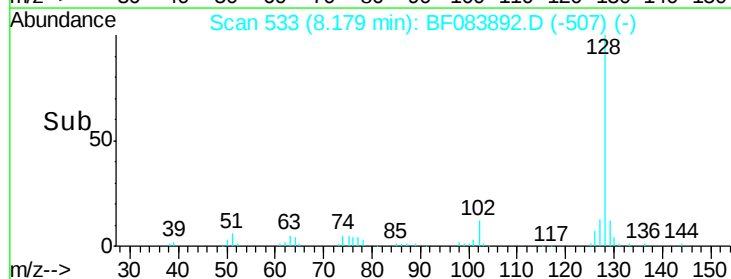
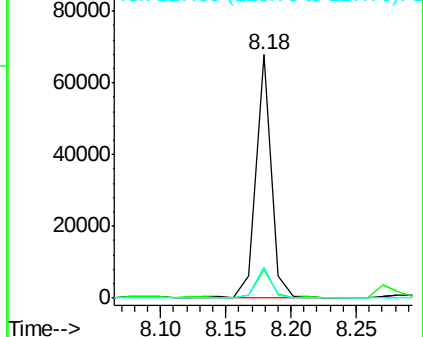
128 100

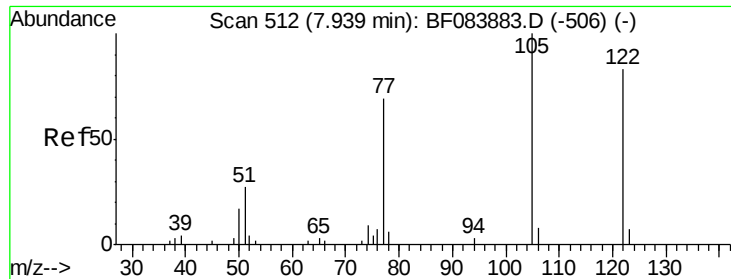
129 11.9 9.1 13.7

127 12.9 11.1 16.7



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





#32

Benzoic acid

Concen: 3.94 ng

RT: 7.89 min Scan# 508

Delta R.T. -0.04 min

Lab File: BF083892.D

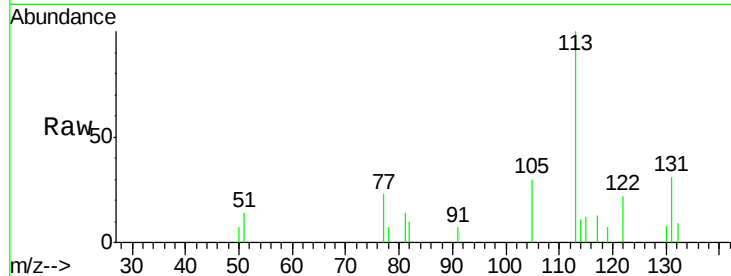
Acq: 18 Dec 2015 2:56

Instrument :

BNA_F

ClientSampleId :

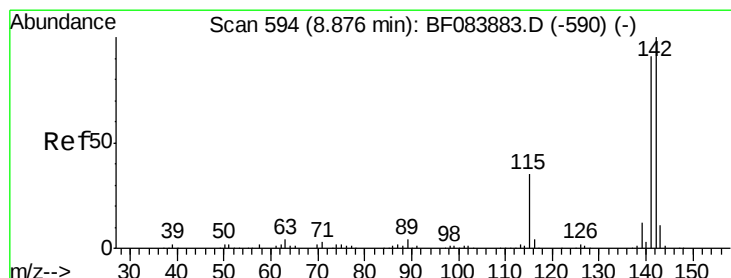
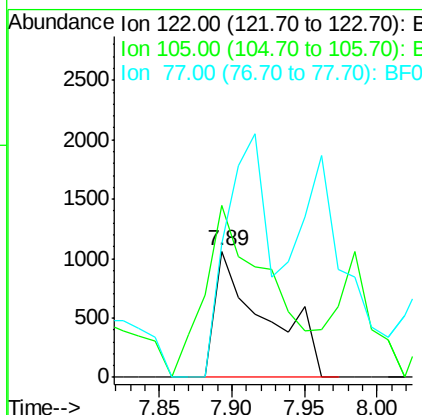
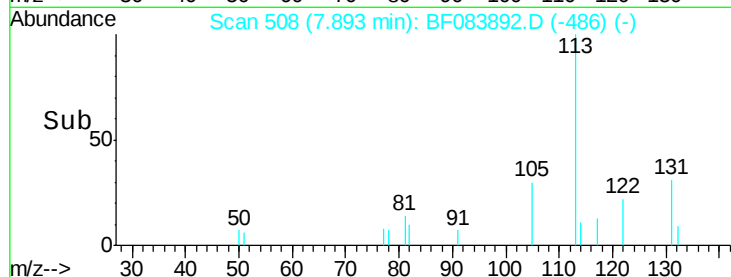
K212-(0-2)



Tgt Ion:	122	Resp:	2548
Ion Ratio	Lower	Upper	
122	100		
105	136.2	100.3	140.3
77	105.5	63.5	103.5#

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#37

2-Methylnaphthalene

Concen: 2.47 ng

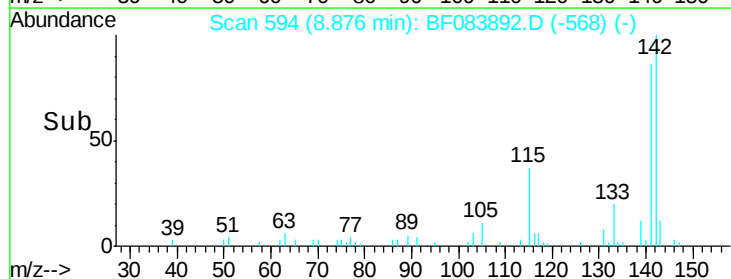
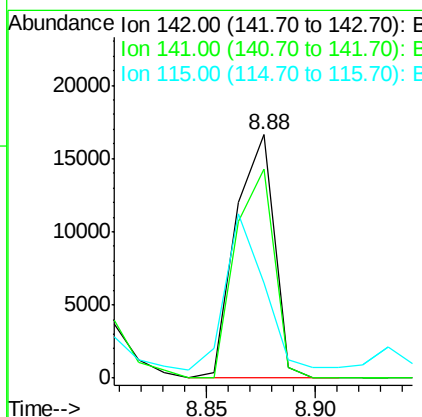
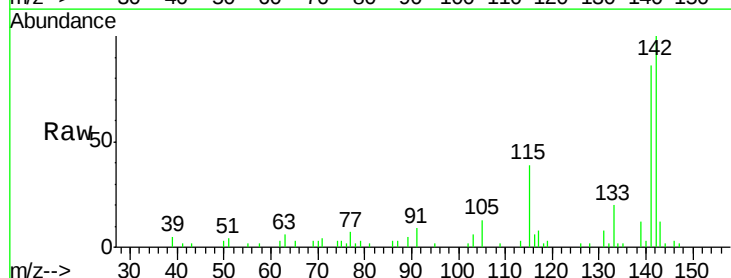
RT: 8.88 min Scan# 594

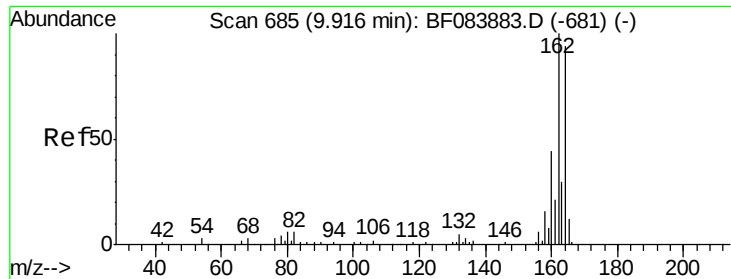
Delta R.T. 0.00 min

Lab File: BF083892.D

Acq: 18 Dec 2015 2:56

Tgt Ion:	142	Resp:	20412
Ion Ratio	Lower	Upper	
142	100		
141	85.9	72.4	108.6
115	39.2	27.9	41.9





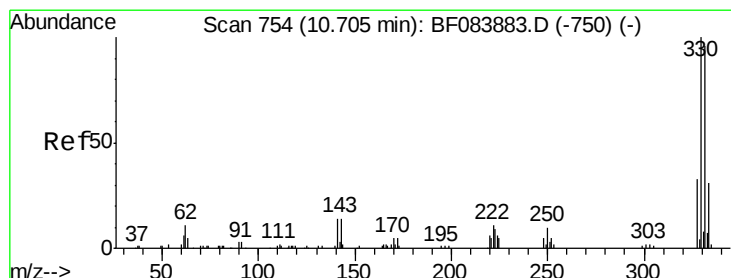
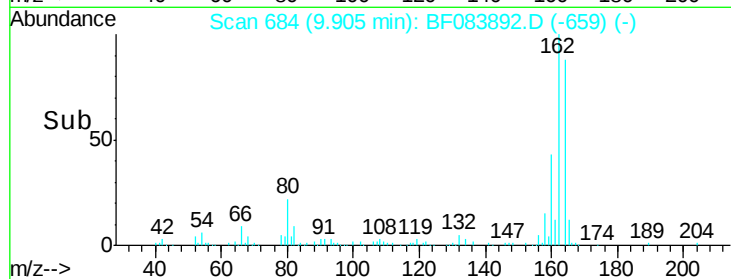
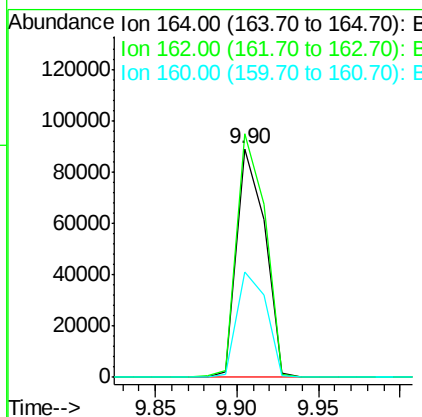
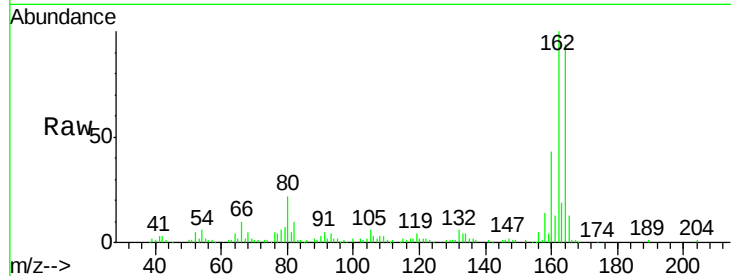
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100	106219		
162	106.4	85.1	127.7	
160	45.8	37.5	56.3	

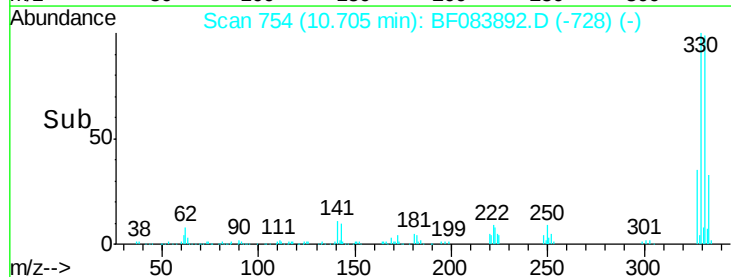
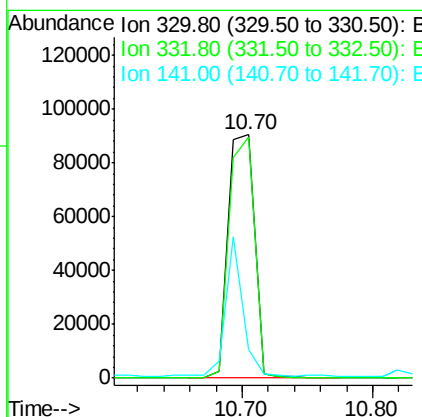
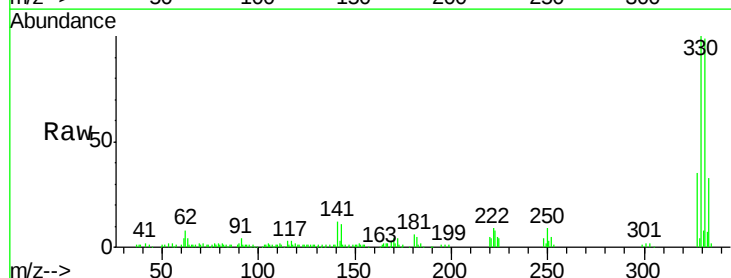
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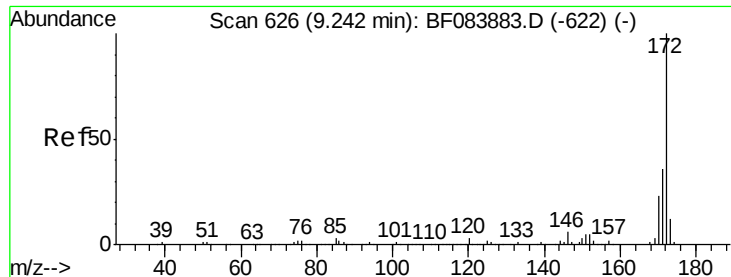
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#41
2,4,6-Tribromophenol
Concen: 108.09 ng
RT: 10.70 min Scan# 754
Delta R.T. -0.00 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	126487		
332	96.2	76.6	114.8	
141	40.6	27.8	41.6	





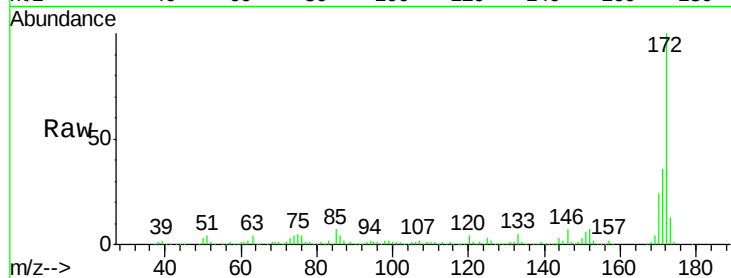
#44
2-Fluorobiphenyl
Concen: 66.05 ng
RT: 9.23 min Scan# 625
Delta R.T. -0.01 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Instrument :
BNA_F
ClientSampleId :
K212-(0-2)

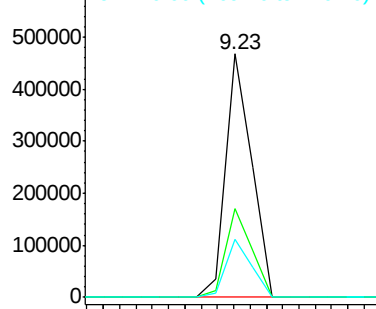
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	517599		
171	36.3	28.9	43.3	
170	23.8	18.6	27.8	

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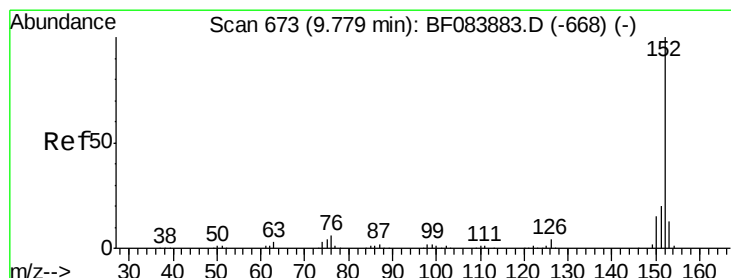
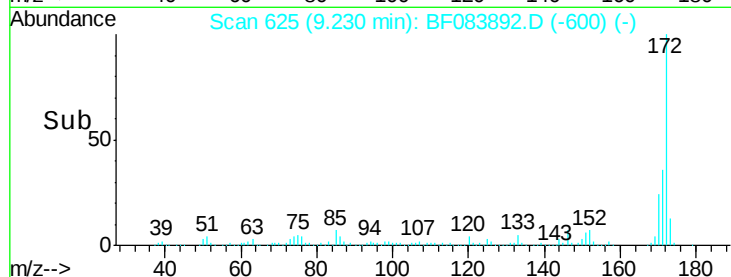
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Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

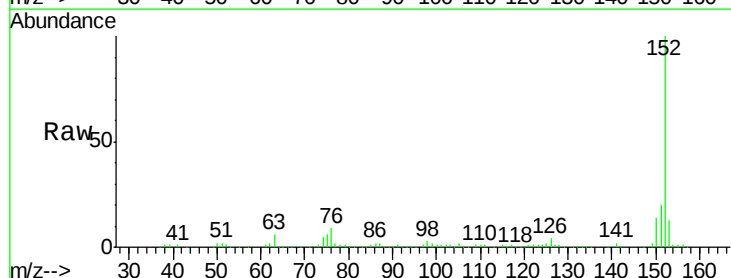


Time-->

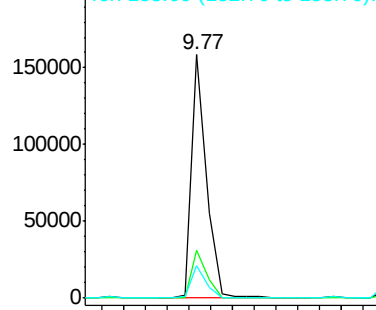


#48
Acenaphthylene
Concen: 12.39 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

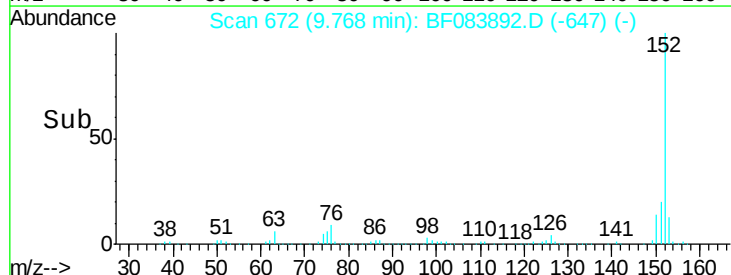
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	153383		
151	19.8	16.3	24.5	
153	13.2	10.4	15.6	

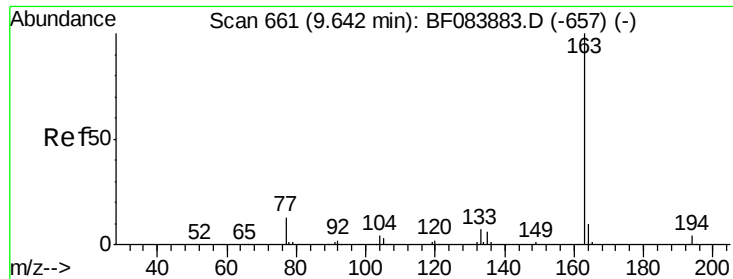


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



Time-->





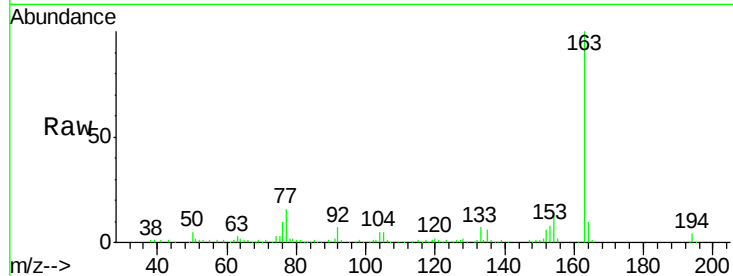
#49
Dimethylphthalate
Concen: 15.09 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Instrument :
BNA_F
ClientSampleId :
K212-(0-2)

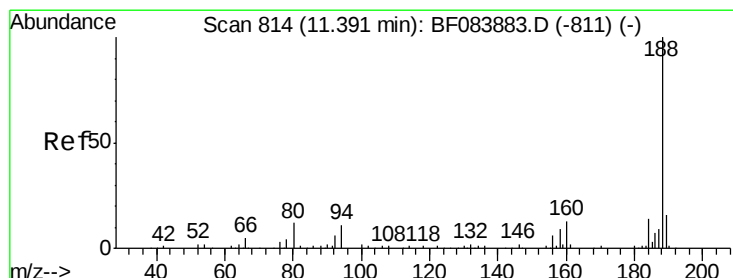
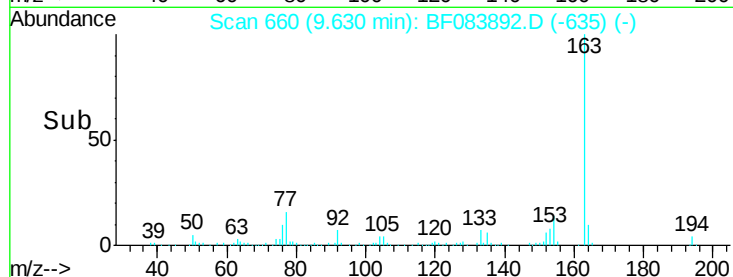
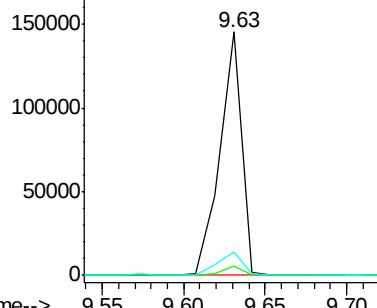
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.8	3.0	4.6
164	9.6	7.9	11.9

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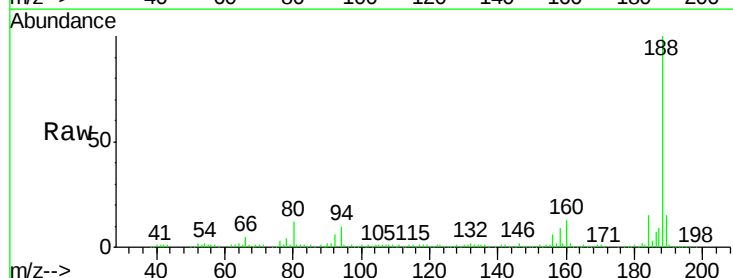


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

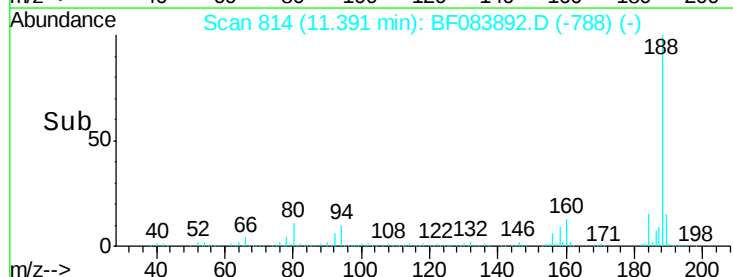
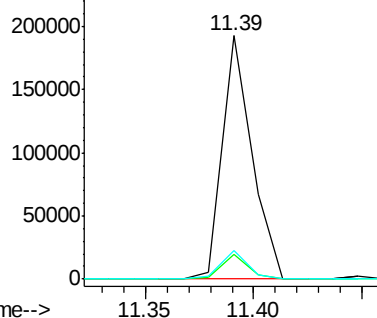


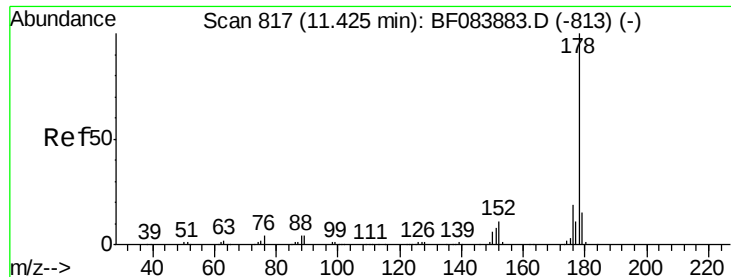
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.3	9.0	13.4
80	11.6	9.6	14.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





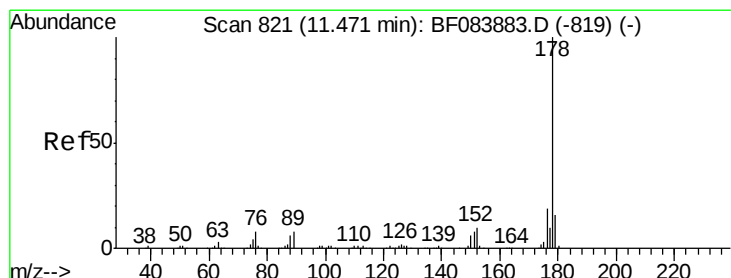
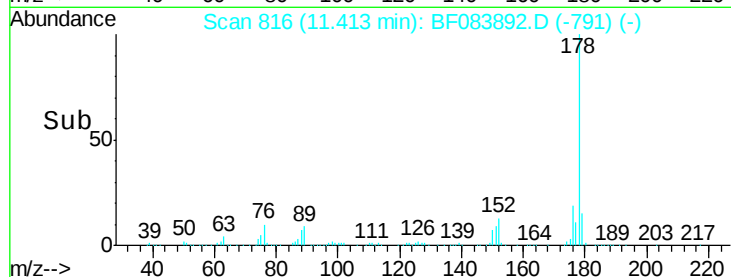
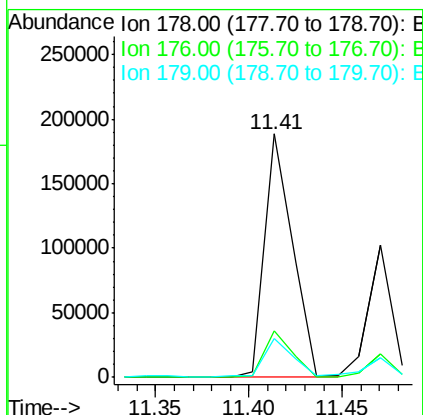
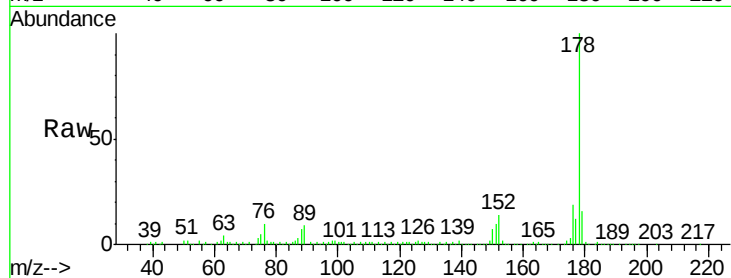
#70
Phenanthrene
Concen: 17.54 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Instrument :
BNA_F
ClientSampleId :
K212-(0-2)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.9	12.0	18.0

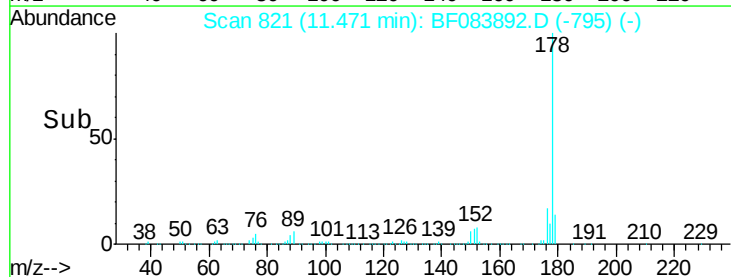
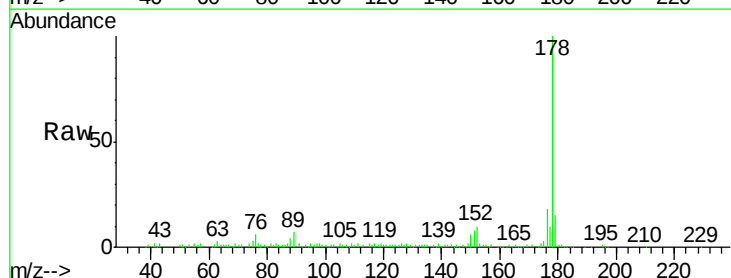
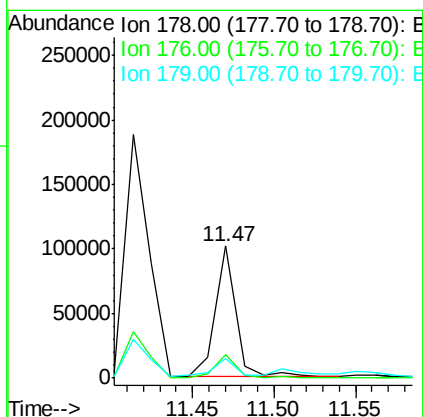
Manual Integrations
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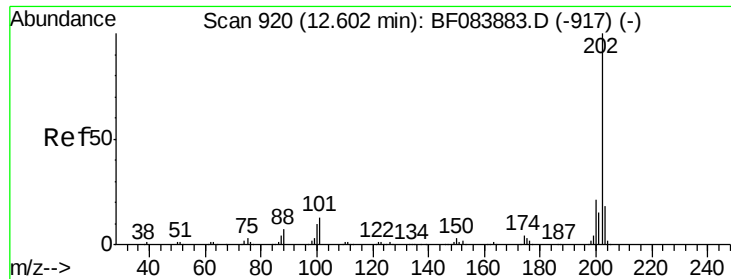
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#71
Anthracene
Concen: 8.40 ng
RT: 11.47 min Scan# 821
Delta R.T. -0.00 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.0
179	15.2	12.5	18.7





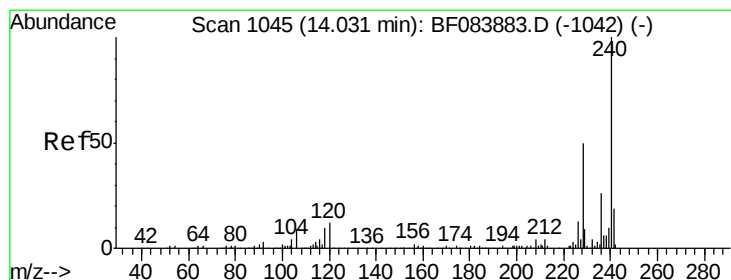
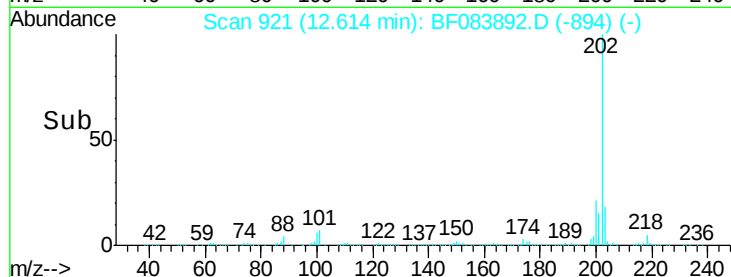
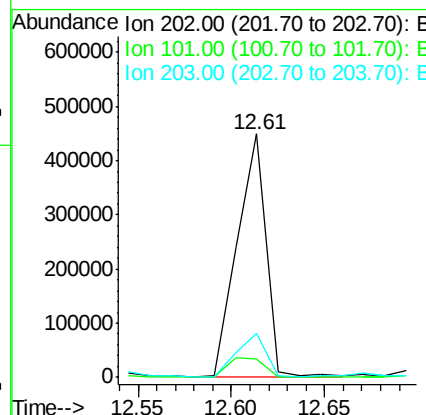
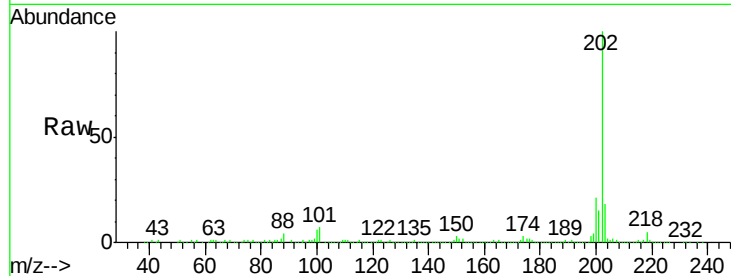
#74
Fluoranthene
Concen: 43.74 ng
RT: 12.61 min Scan# 921
Delta R.T. 0.01 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Instrument :
BNA_F
ClientSampleId :
K212-(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	7.3	0.0	32.8
203	17.9	0.0	37.9

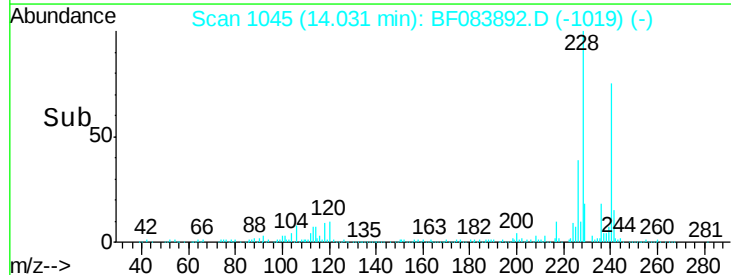
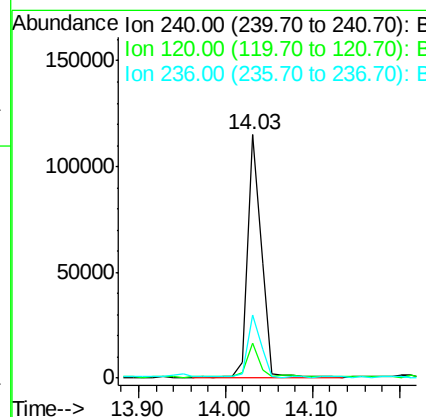
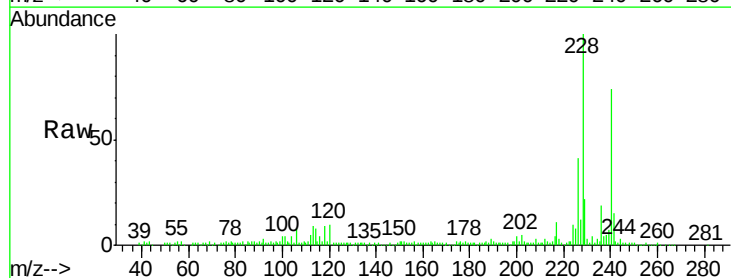
Manual Integrations
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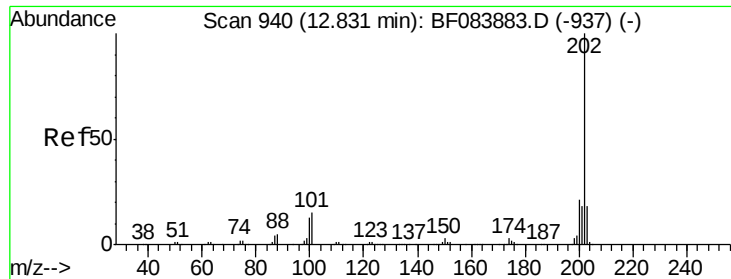
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.1	9.5	14.3
236	25.7	20.6	31.0





#77

Pyrene

Concen: 72.86 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF083892.D

Acq: 18 Dec 2015 2:56

Instrument :

BNA_F

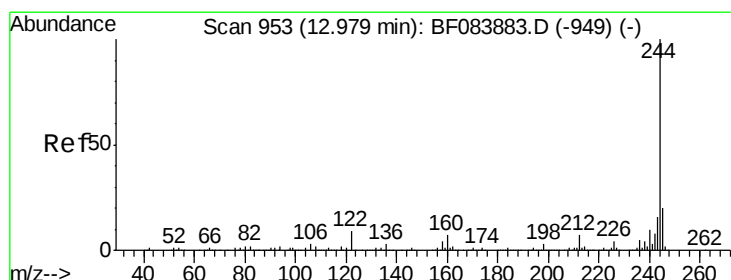
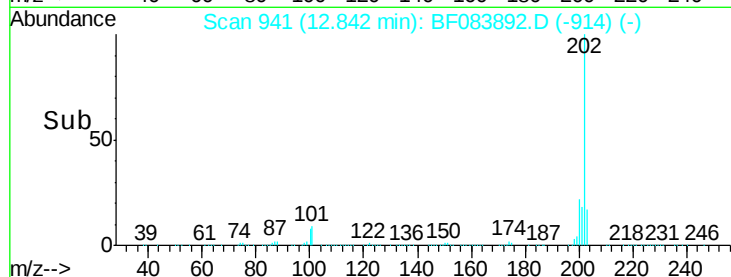
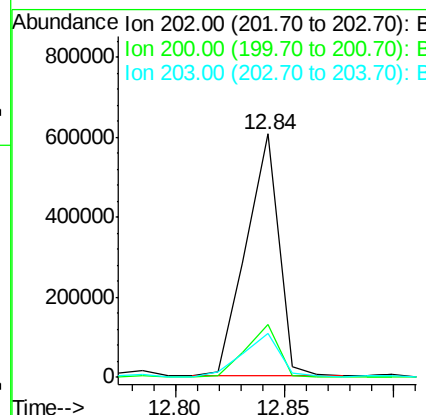
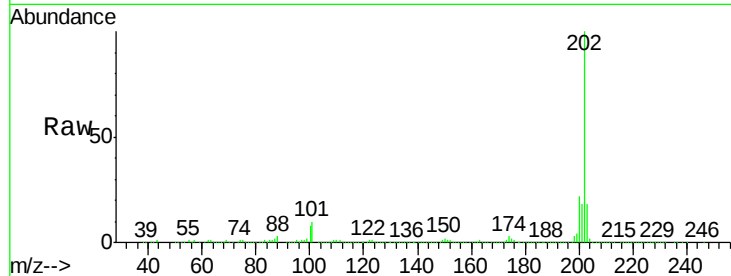
ClientSampleId :

K212-(0-2)

Tgt	Ion:202	Resp:	635435
Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.2	25.8
203	17.8	14.3	21.5

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#78

Terphenyl-d14

Concen: 76.96 ng

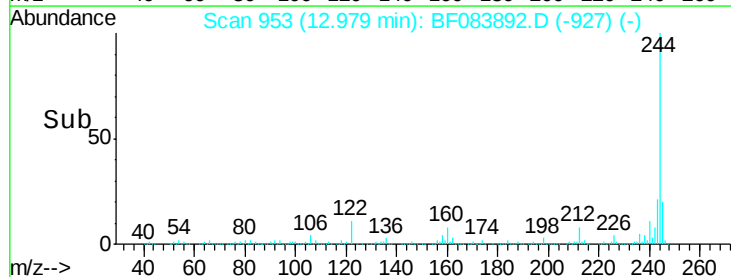
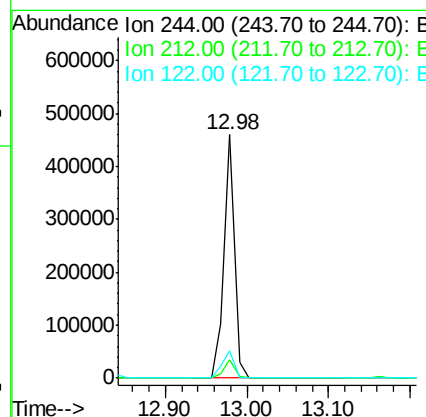
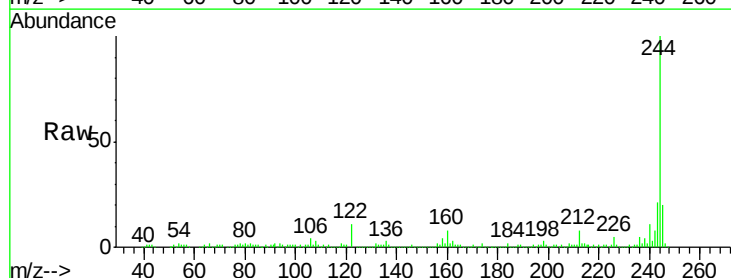
RT: 12.98 min Scan# 953

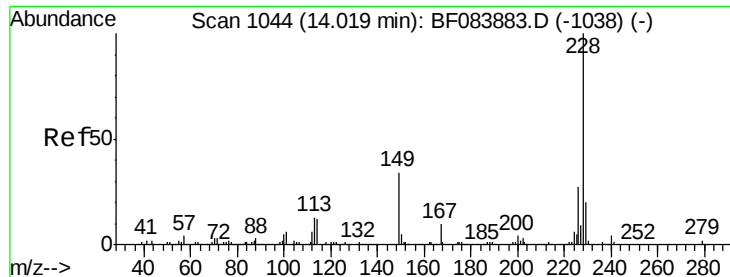
Delta R.T. 0.00 min

Lab File: BF083892.D

Acq: 18 Dec 2015 2:56

Tgt	Ion:244	Resp:	409925
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.7	8.5
122	11.0	7.4	11.0





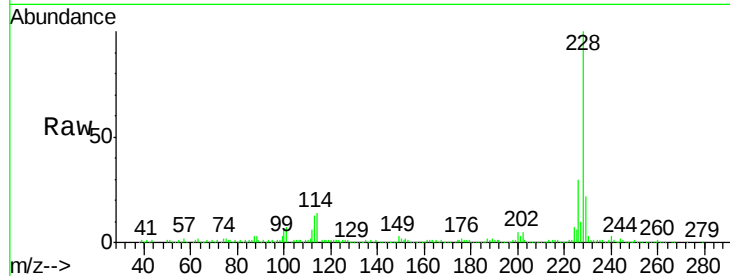
#80
Benzo(a)anthracene
Concen: 41.31 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Instrument :
BNA_F
ClientSampleId :
K212-(0-2)

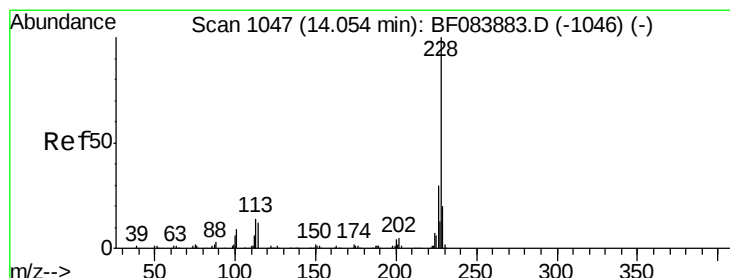
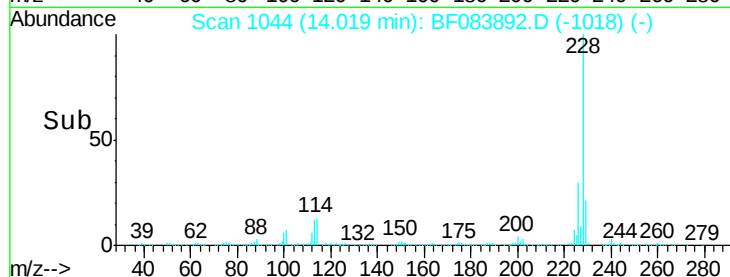
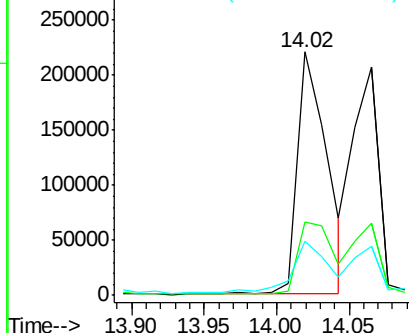
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.8	32.6
229	22.1	15.8	23.8

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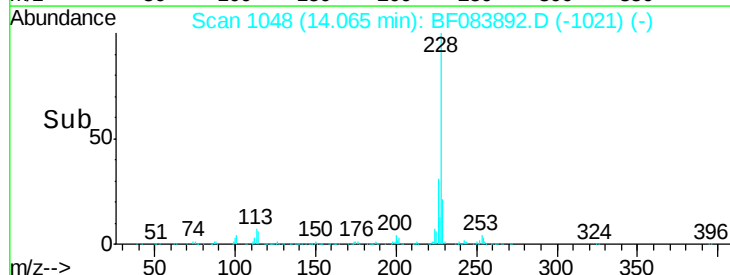
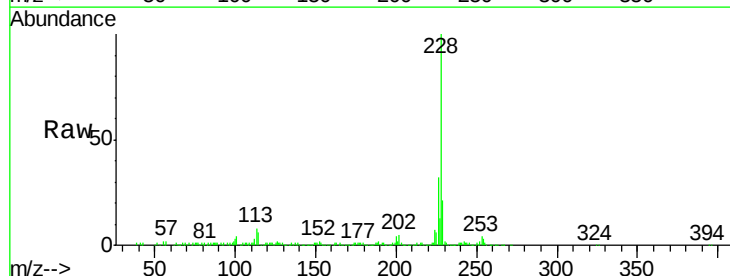
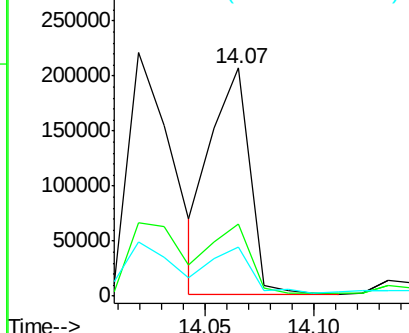
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

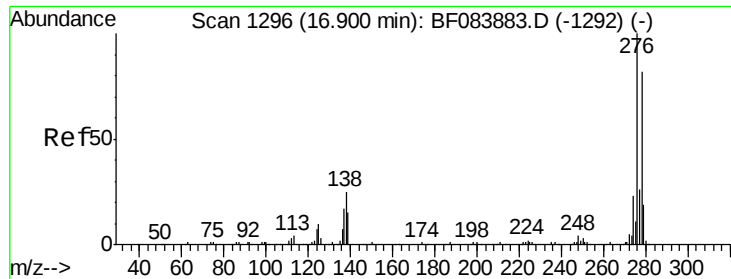


#82
Chrysene
Concen: 34.65 ng
RT: 14.07 min Scan# 1048
Delta R.T. 0.01 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.3	36.5
229	21.5	16.1	24.1

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





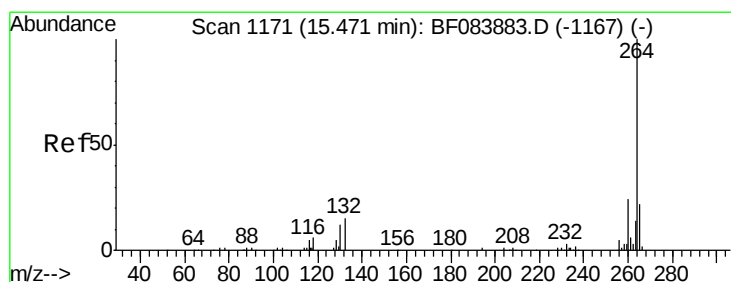
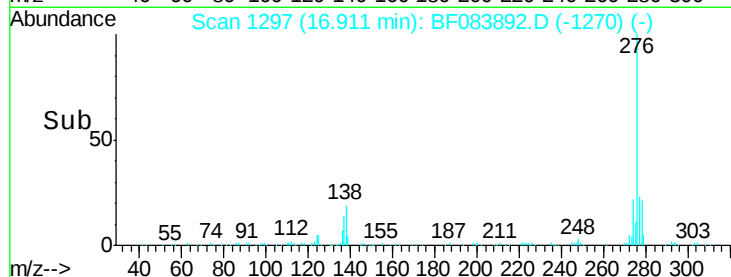
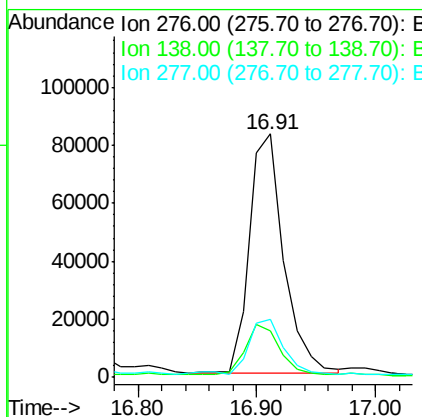
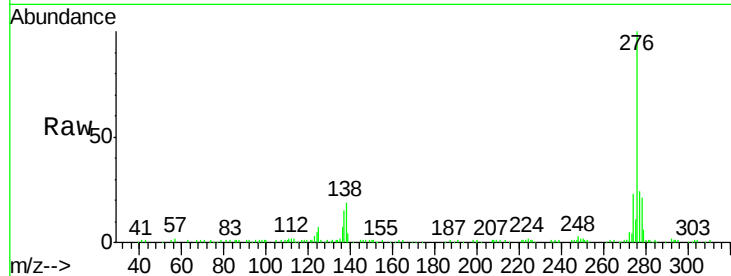
#85
Indeno(1,2,3-cd)pyrene
Concen: 30.27 ng
RT: 16.91 min Scan# 1297
Delta R.T. 0.01 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Instrument :
BNA_F
ClientSampleId :
K212-(0-2)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	21.1	20.6	30.8
277	24.1	20.1	30.1

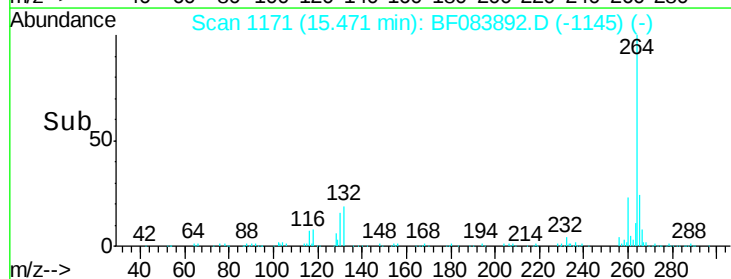
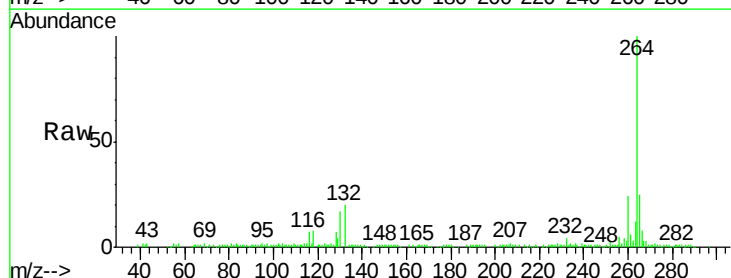
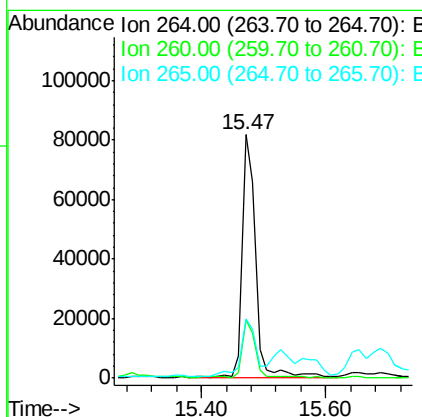
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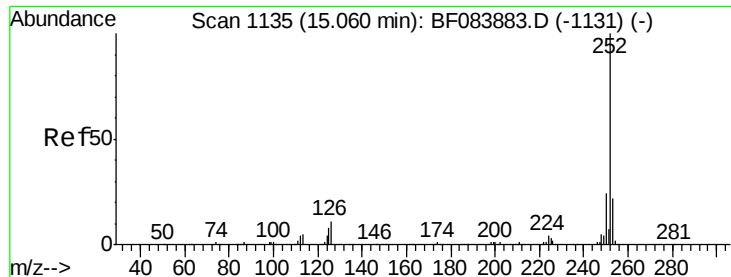
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.8	19.4	29.2
265	24.5	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 30.41 ng m

RT: 15.06 min Scan# 1135

Delta R.T. -0.00 min

Lab File: BF083892.D

Acq: 18 Dec 2015 2:56

Instrument :

BNA_F

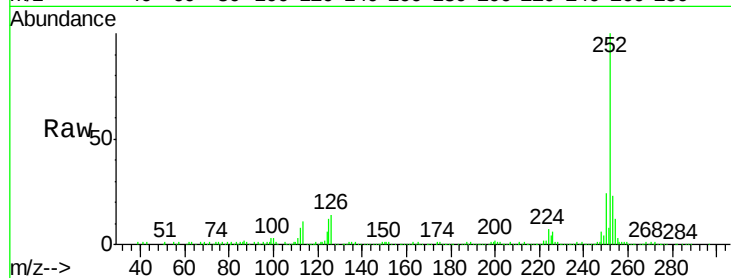
ClientSampleId :

K212-(0-2)

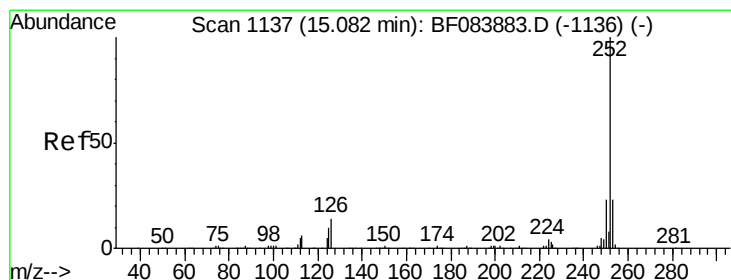
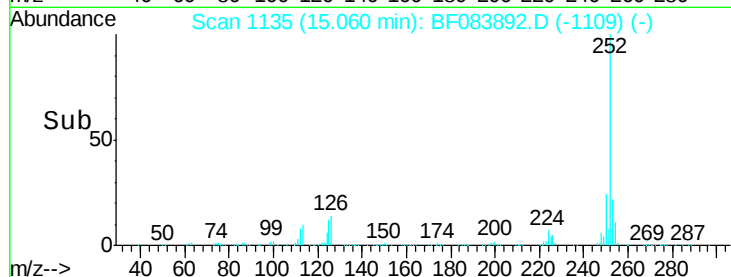
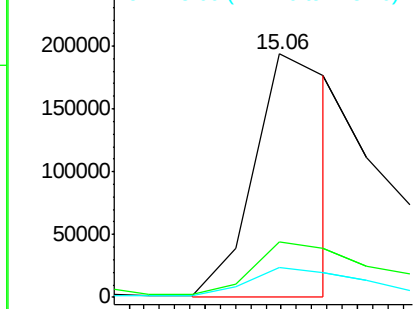
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	12.3	6.5	9.7#

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 18.38 ng m

RT: 15.07 min Scan# 1136

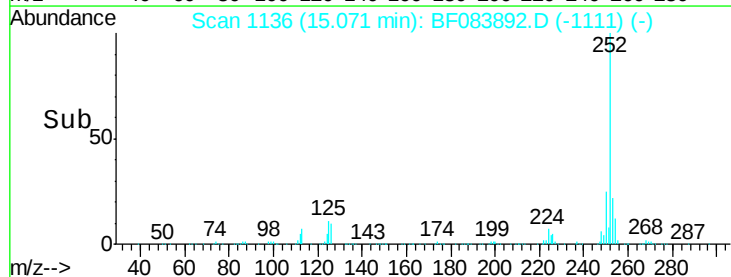
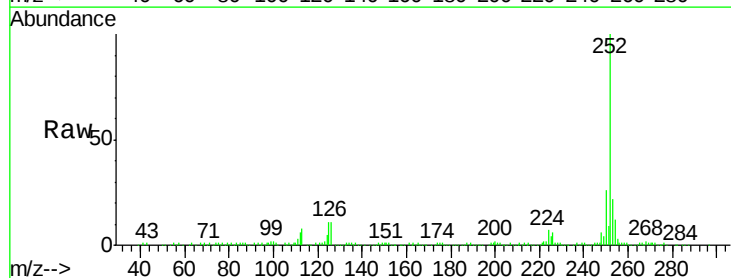
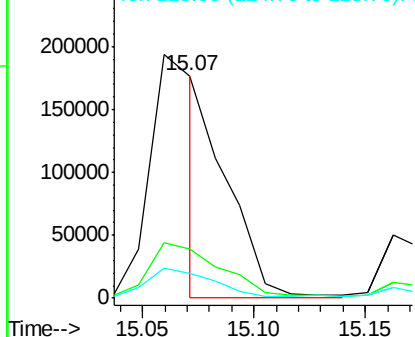
Delta R.T. -0.01 min

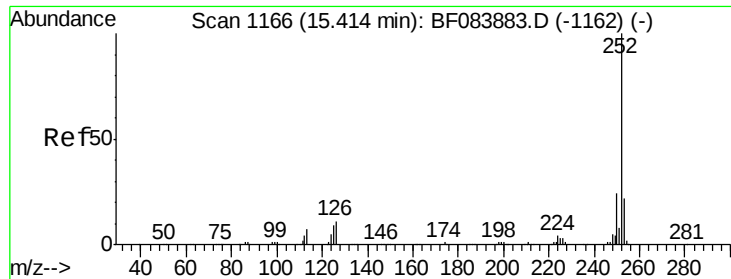
Lab File: BF083892.D

Acq: 18 Dec 2015 2:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	11.2	9.0	13.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





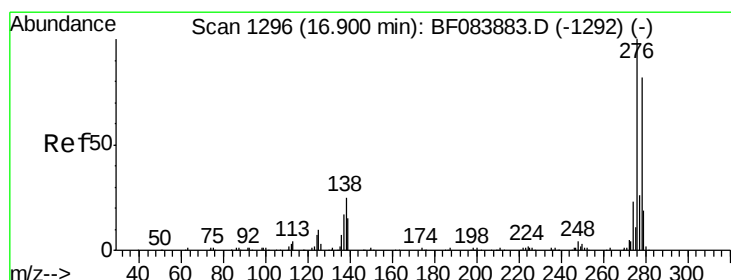
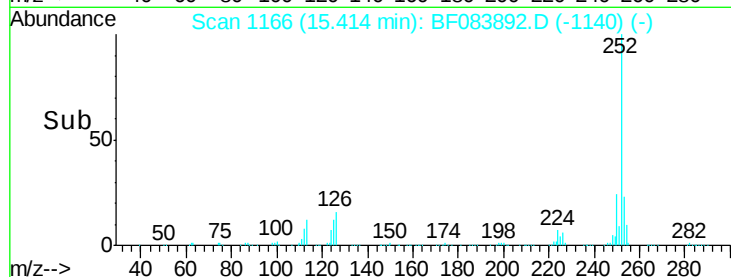
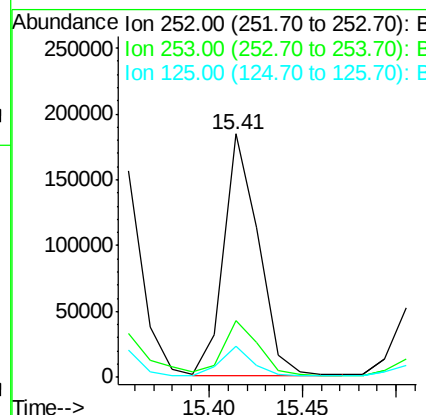
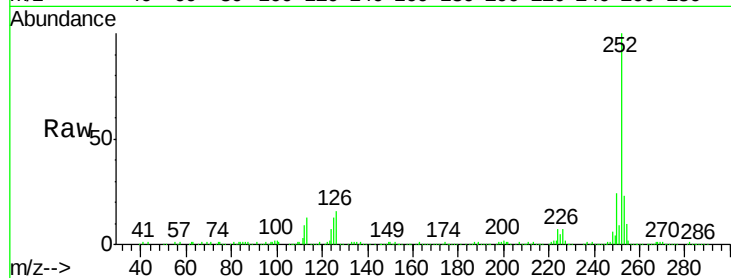
#89
Benzo(a)pyrene
Concen: 31.26 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Instrument :
BNA_F
ClientSampleId :
K212-(0-2)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	12.8	7.0	10.4

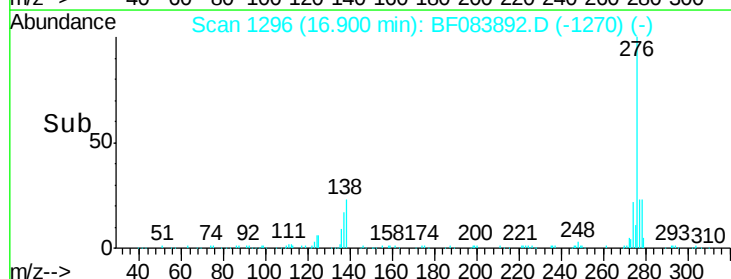
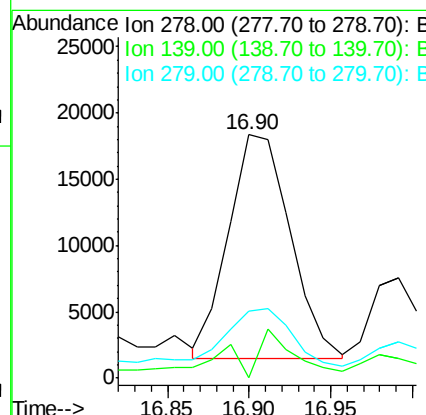
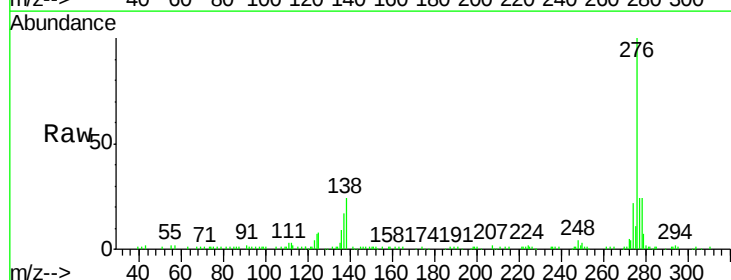
Manual Integrations
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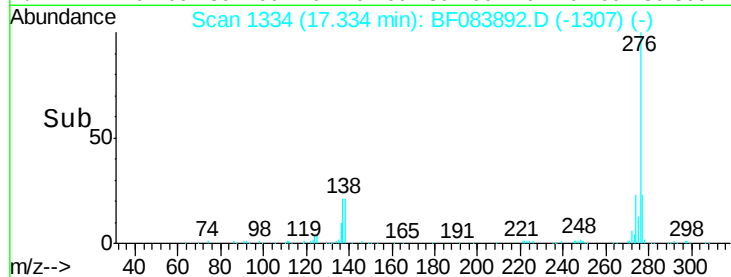
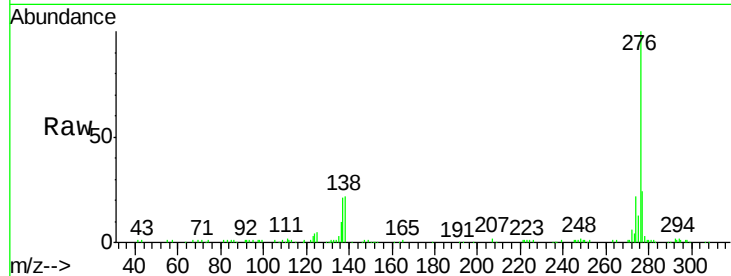
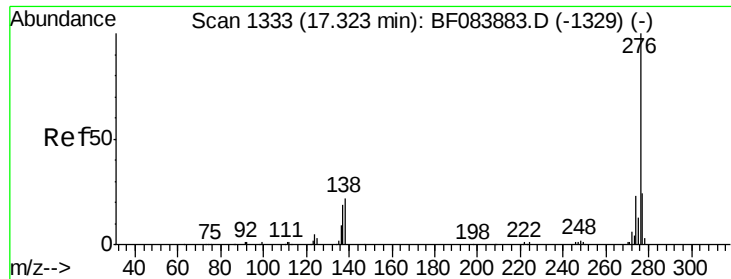
MMdadoda
12/18/2015 6:21:48 PM



#90
Dibenzo(a,h)anthracene
Concen: 7.50 ng m
RT: 16.90 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF083892.D
Acq: 18 Dec 2015 2:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.0	22.4
279	27.7	18.9	28.3





#91
 Benzo(g,h,i)perylene
 Concen: 31.08 ng
 RT: 17.33 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: BF083892.D
 Acq: 18 Dec 2015 2:56

Instrument :
 BNA_F
 ClientSampleId :
 K212-(0-2)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	22.0	17.8	26.6

Manual Integrations
 APPROVED

MMdadoda
 12/18/2015 6:21:48 PM

