

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083440.D
 Acq On : 3 Dec 2015 3:20
 Operator : UM/IZ
 Sample : G4583-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(0-4)

Manual Integrations
 APPROVED

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 12/3/2015 7:09:58 PM

Quant Time: Dec 03 07:18:03 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.53	152	137355	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	552564	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	278486	20.00	ng	-0.01
63) Phenanthrene-d10	11.12	188	473355	20.00	ng	-0.01
75) Chrysene-d12	14.74	240	330282	20.00	ng	-0.02
86) Perylene-d12	16.81	264	320426	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1407177	153.73	ng	0.00
7) Phenol-d6	6.21	99	1932008	154.20	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1383425	110.06	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	356069	127.37	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1879851	96.19	ng	-0.01
78) Terphenyl-d14	13.21	244	1593016	115.03	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.85	128	178818	5.96	ng	97
48) Acenaphthylene	9.44	152	464063	15.63	ng	97
49) Dimethylphthalate	9.31	163	186689	8.25	ng	98
51) Acenaphthene	9.61	154	85070	4.87	ng	97
57) Fluorene	10.11	166	80309m	3.97	ng	
70) Phenanthrene	11.14	178	1255546	44.82	ng	98
71) Anthracene	11.20	178	310430	11.01	ng	99
74) Fluoranthene	12.65	202	1706439	58.77	ng	99
77) Pyrene	12.97	202	2514410	109.01	ng	98
80) Benzo(a)anthracene	14.72	228	862250m	42.61	ng	
82) Chrysene	14.77	228	893770	45.72	ng	99
85) Indeno(1,2,3-cd)pyrene	18.19	276	844823	59.33	ng	94
87) Benzo(b)fluoranthene	16.29	252	1315961m	64.01	ng	
88) Benzo(k)fluoranthene	16.33	252	330179m	17.01	ng	
89) Benzo(a)pyrene	16.74	252	1228088	69.54	ng	98
90) Dibenzo(a,h)anthracene	18.20	278	194632	12.65	ng	98
91) Benzo(g,h,i)perylene	18.57	276	976215	64.64	ng	97

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

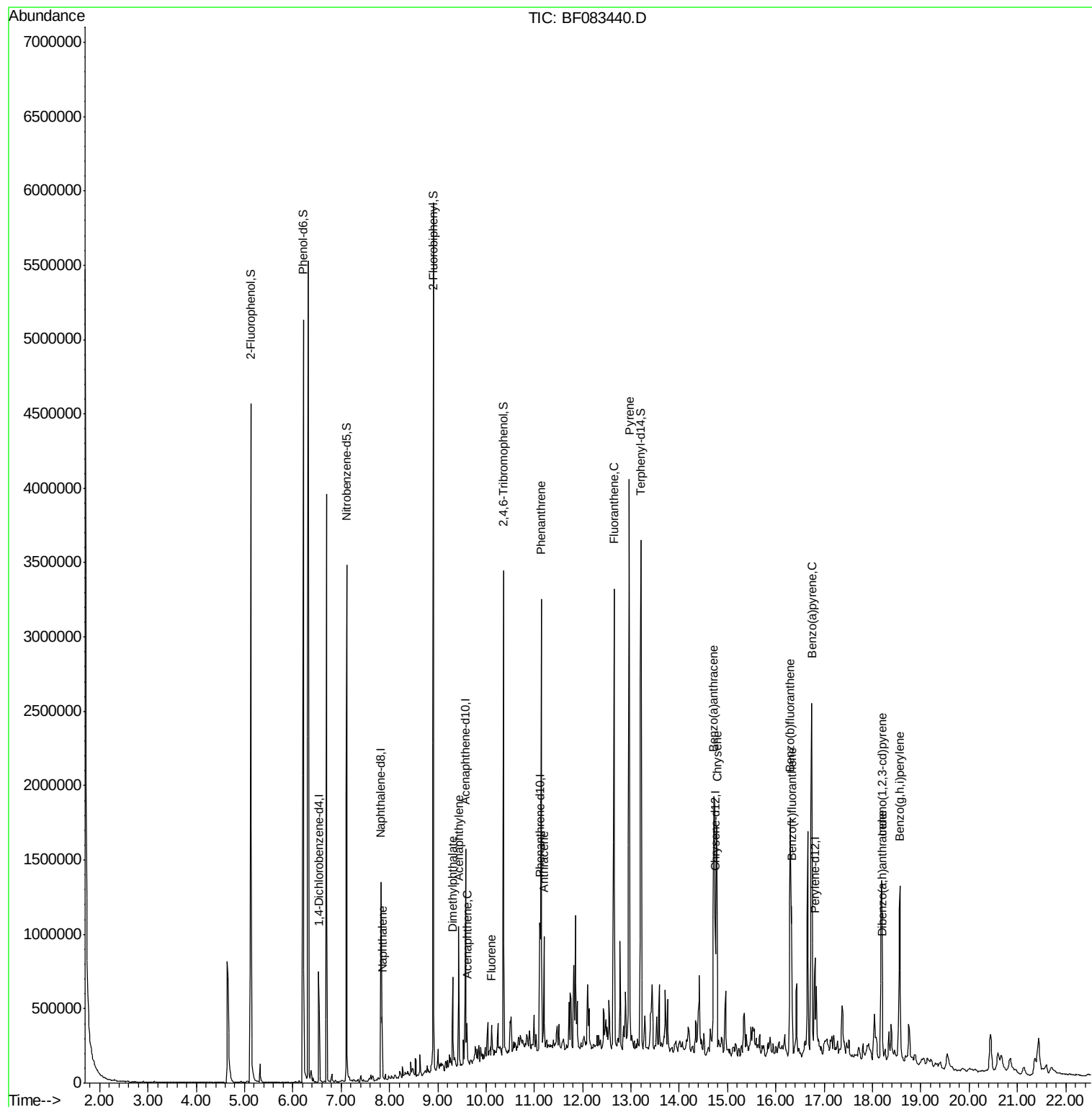
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083440.D
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ALS Vial : 27 Sample Multiplier: 1

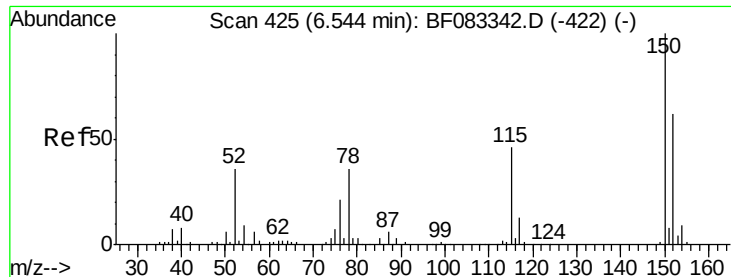
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

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Quant Time: Dec 03 07:18:03 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

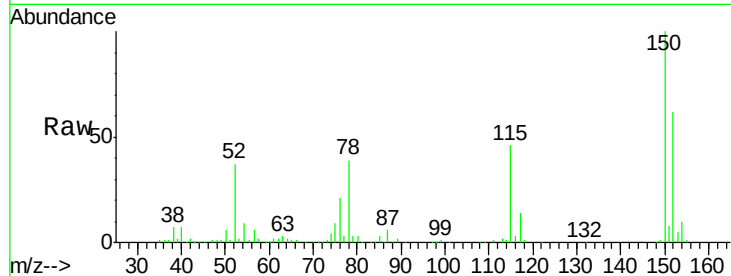
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.53 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	129.8	194.8
115	73.8	59.2	88.8

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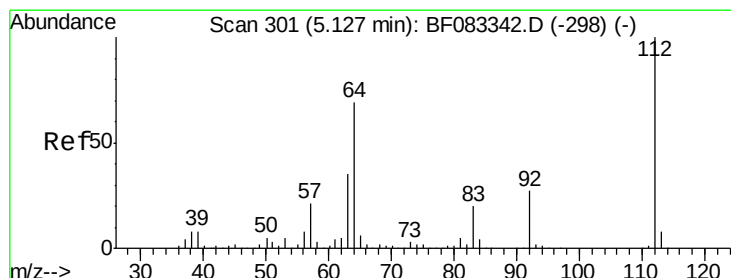
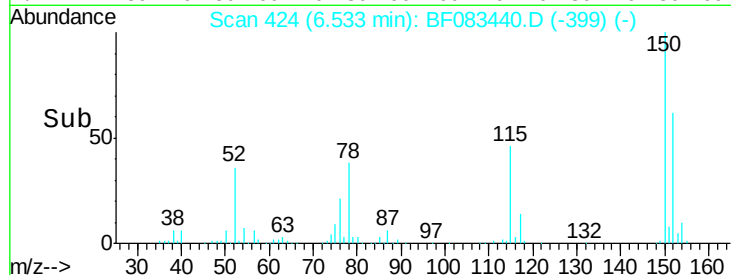
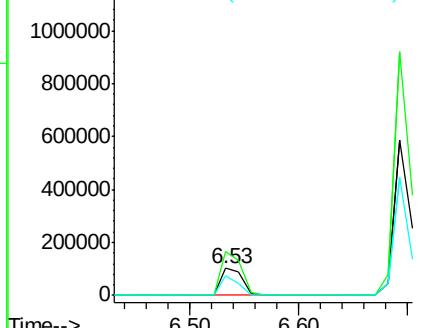


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

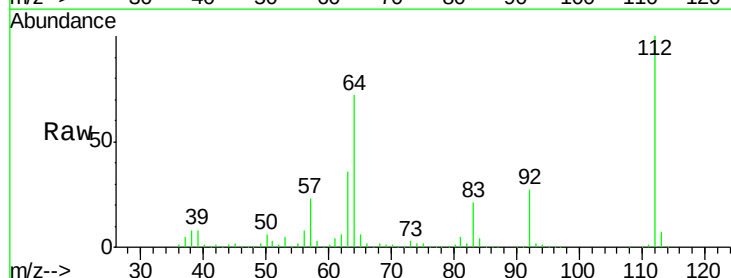
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 153.73 ng
RT: 5.13 min Scan# 301
Delta R.T. -0.00 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.9	55.6	83.4
63	36.2	28.2	42.2

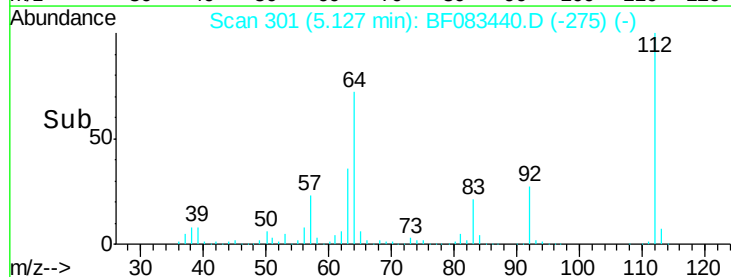
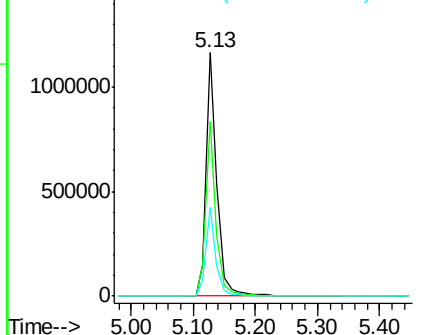


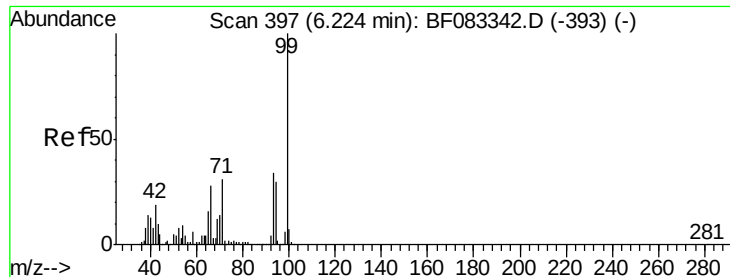
Abundance

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: 154.20 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083440.D

Acq: 3 Dec 2015 3:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

Tot Ion: 99 Resp: 1932008

Ion Ratio Lower Upper

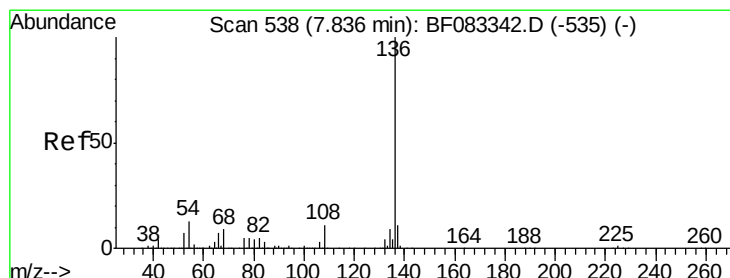
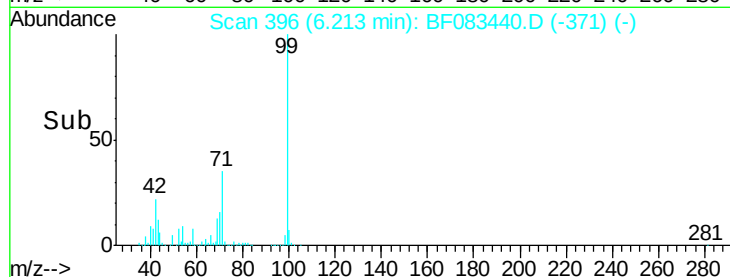
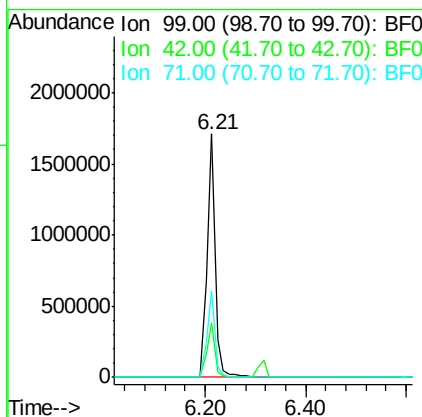
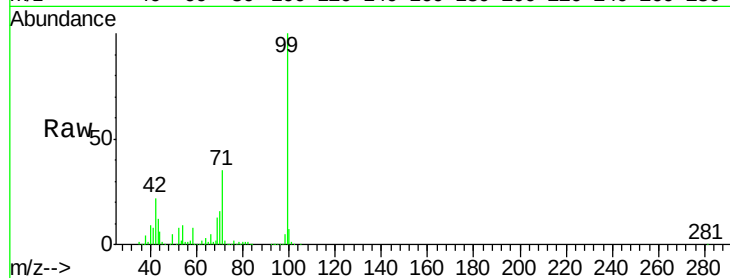
99 100

42 22.4 14.9 22.3#

71 35.3 24.7 37.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083440.D

Acq: 3 Dec 2015 3:20

Tgt Ion: 136 Resp: 552564

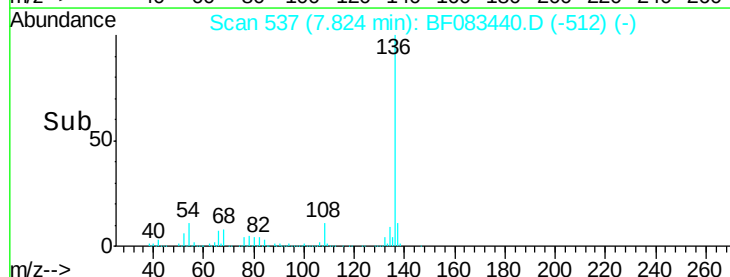
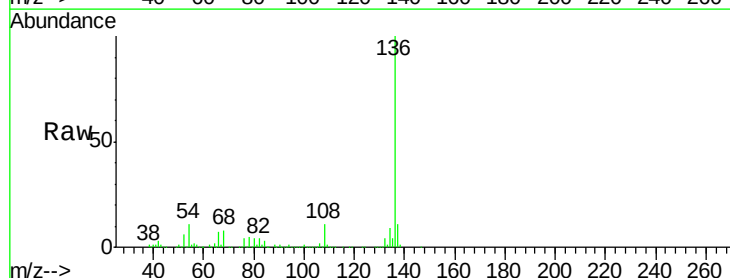
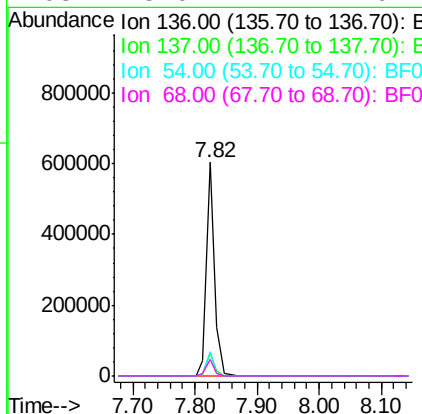
Ion Ratio Lower Upper

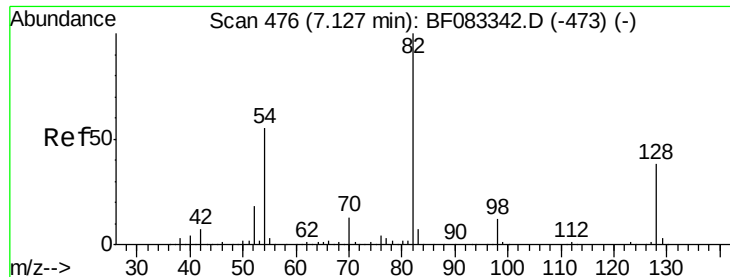
136 100

137 11.1 9.0 13.4

54 11.3 10.1 15.1

68 8.0 7.1 10.7





#23

Nitrobenzene-d5

Concen: 110.06 ng

RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF083440.D

Acq: 3 Dec 2015 3:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

Tot Ion: 82 Resp: 1383425

Ion Ratio Lower Upper

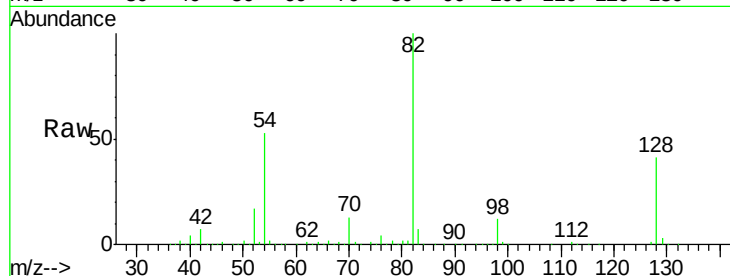
82 100

128 40.7 30.6 46.0

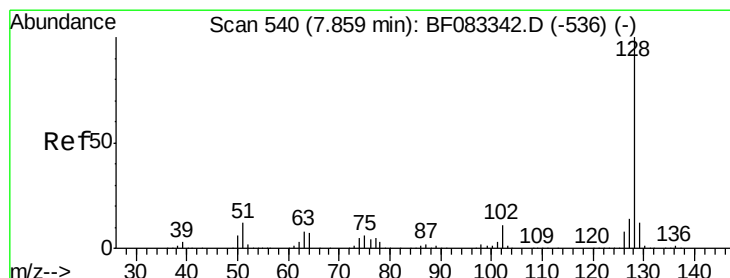
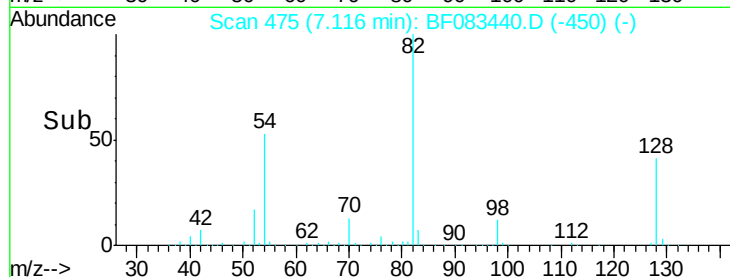
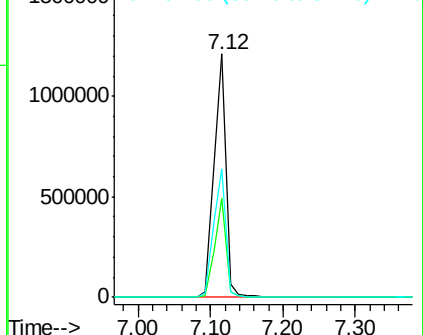
54 52.9 43.8 65.6

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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: 5.96 ng

RT: 7.85 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF083440.D

Acq: 3 Dec 2015 3:20

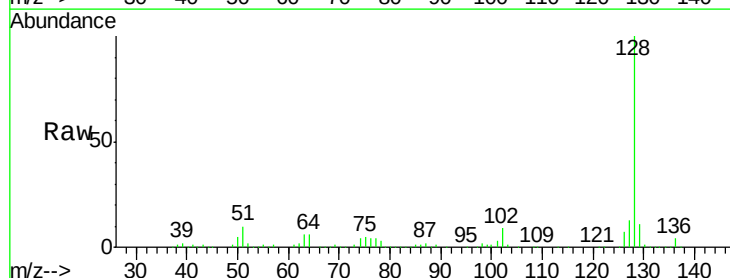
Tgt Ion: 128 Resp: 178818

Ion Ratio Lower Upper

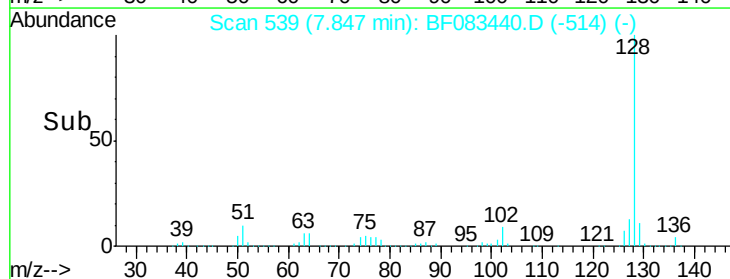
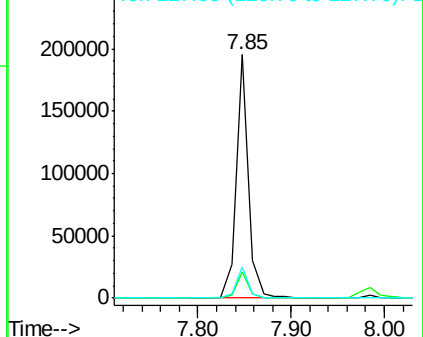
128 100

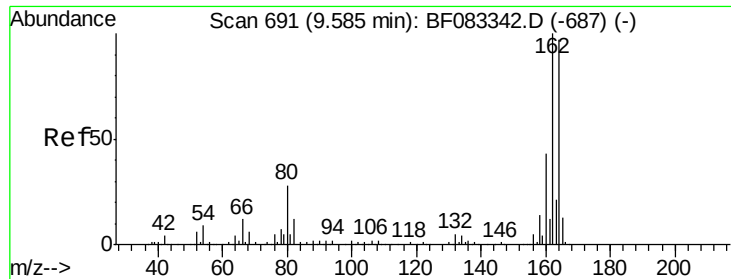
129 10.8 9.7 14.5

127 12.6 11.0 16.4



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.57 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF083440.D

Acq: 3 Dec 2015 3:20

Instrument :

BNA_F

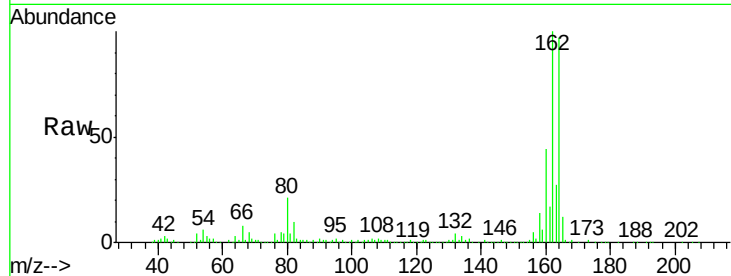
ClientSampleId :

SB-P3WC-01(0-4)

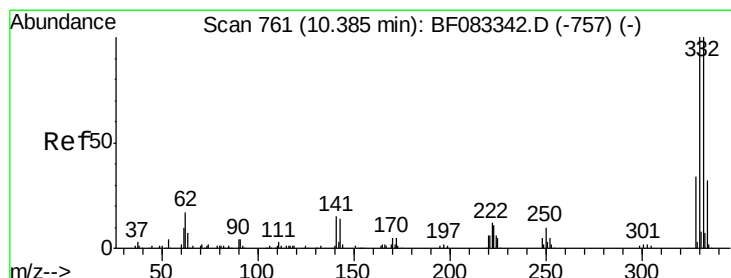
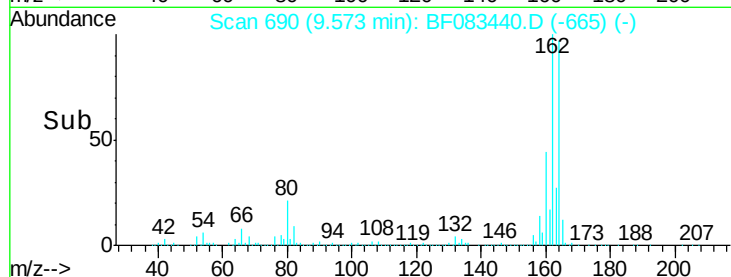
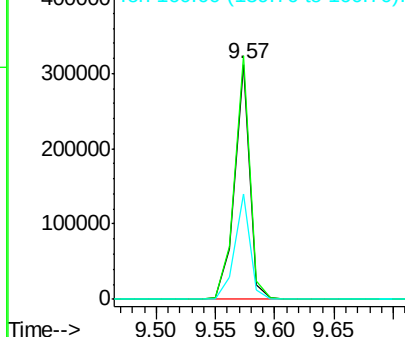
Tot Ion:	164	Resp:	278486
Ion Ratio	Lower	Upper	
164	100		
162	103.6	82.6	123.8
160	45.1	35.3	52.9

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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: 127.37 ng

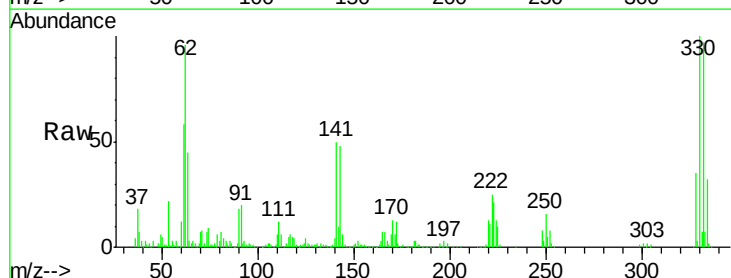
RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

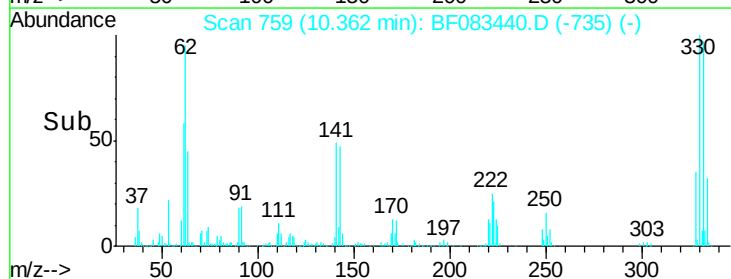
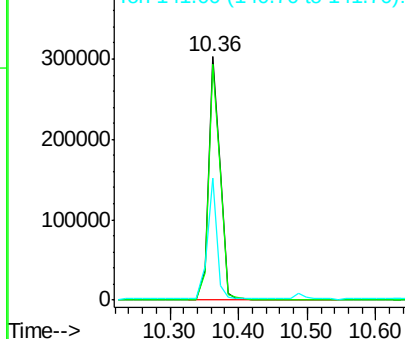
Lab File: BF083440.D

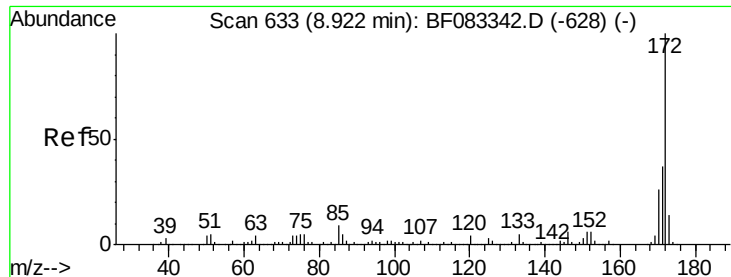
Acq: 3 Dec 2015 3:20

Tgt Ion:	330	Resp:	356069
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.8	116.6
141	40.9	29.4	44.0



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





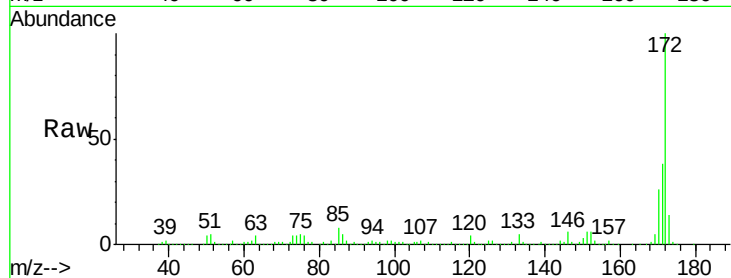
#44
2-Fluorobiphenyl
Concen: 96.19 ng
RT: 8.91 min Scan# 632
Delta R.T. -0.01 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

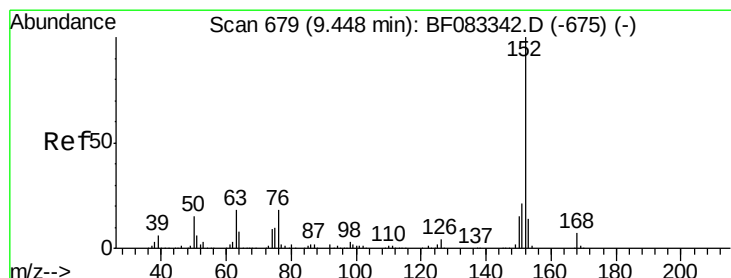
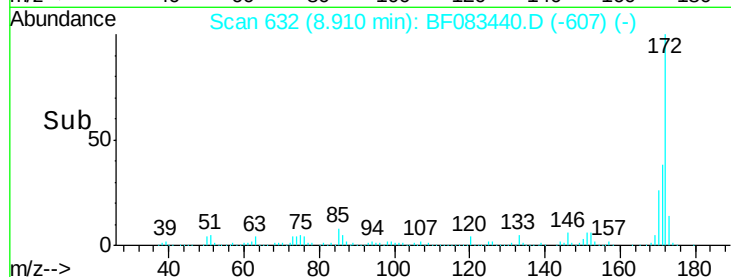
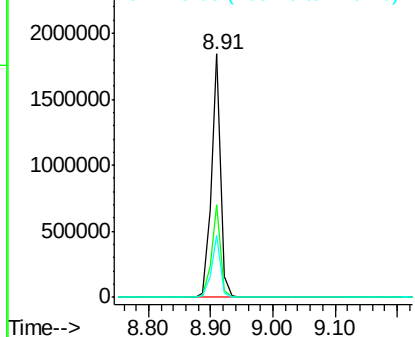
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.4	44.0
170	25.6	20.4	30.6

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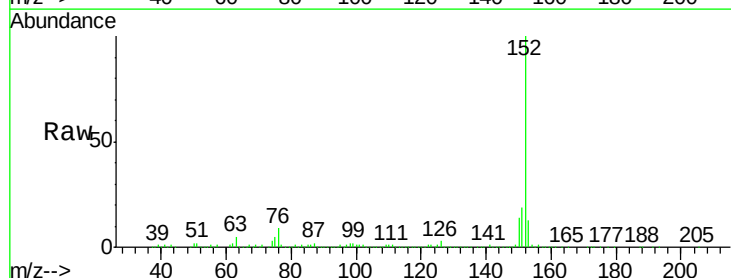


Abundance Ion 172.00 (171.70 to 172.70): E
2500000
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

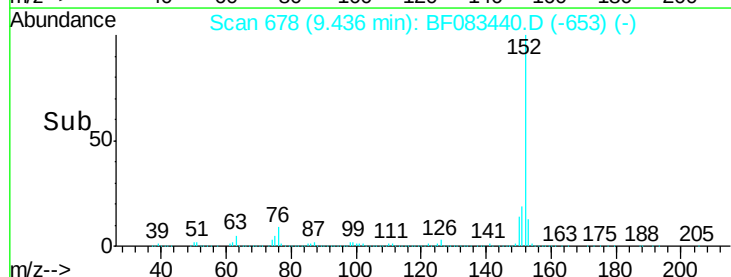
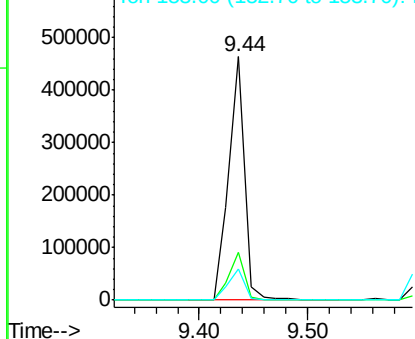


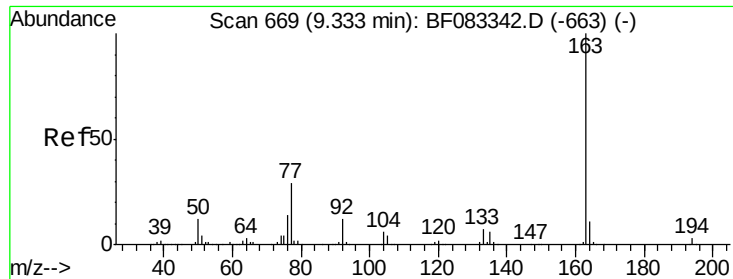
#48
Acenaphthylene
Concen: 15.63 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.7	25.1
153	12.9	11.2	16.8



Abundance Ion 152.00 (151.70 to 152.70): E
600000
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





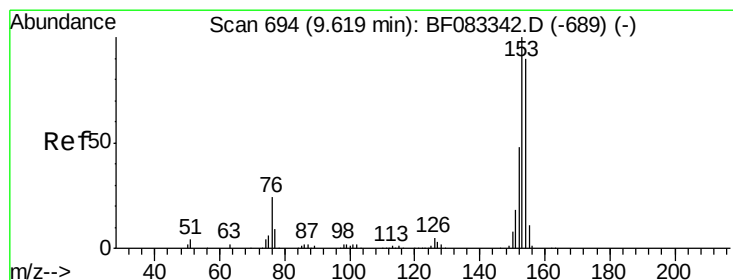
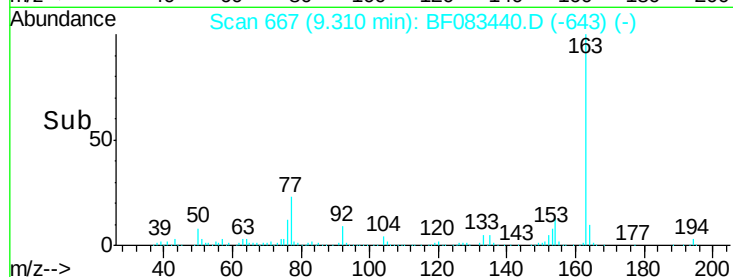
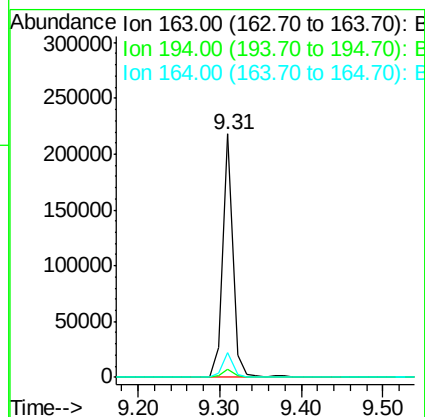
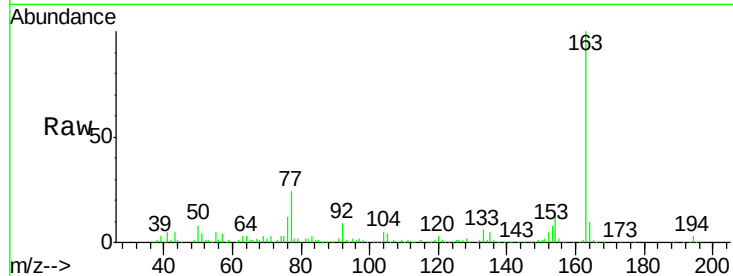
#49
Dimethylphthalate
Concen: 8.25 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	186689		
194	3.4	2.7	4.1	
164	9.9	8.8	13.2	

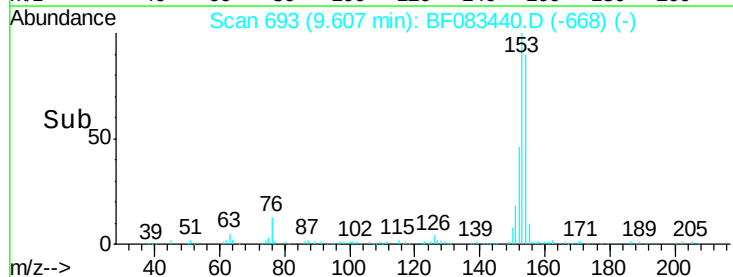
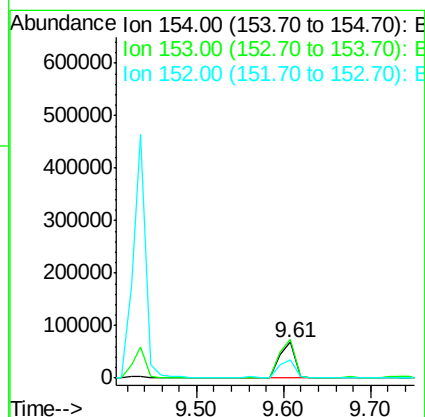
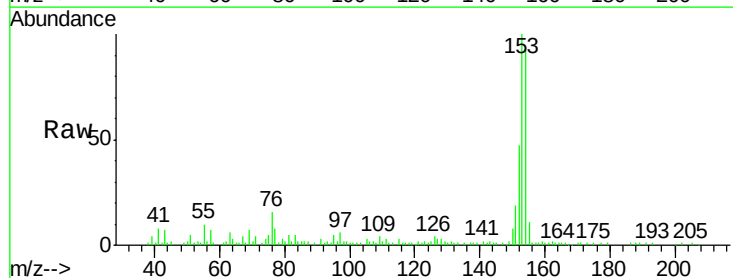
Manual Integrations
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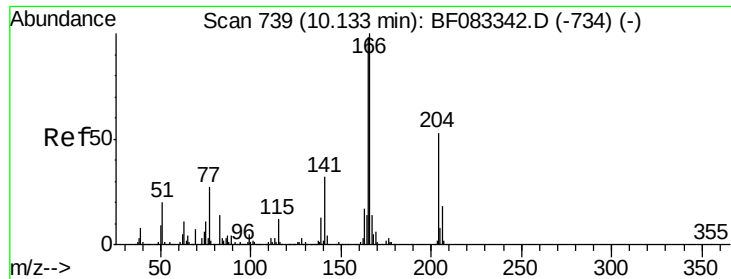
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#51
Acenaphthene
Concen: 4.87 ng
RT: 9.61 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	85070		
153	108.4	89.3	133.9	
152	50.5	42.5	63.7	





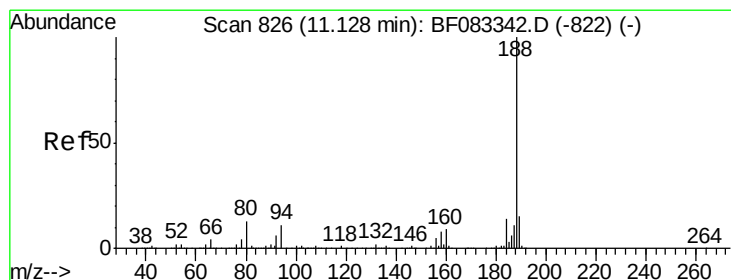
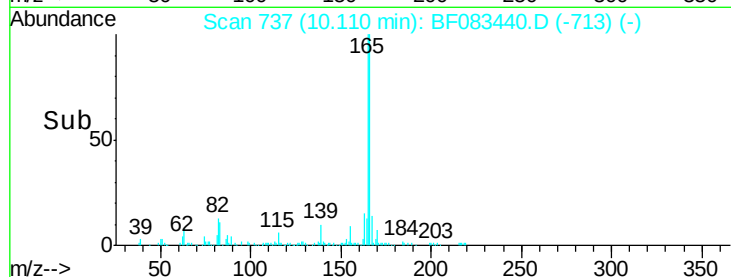
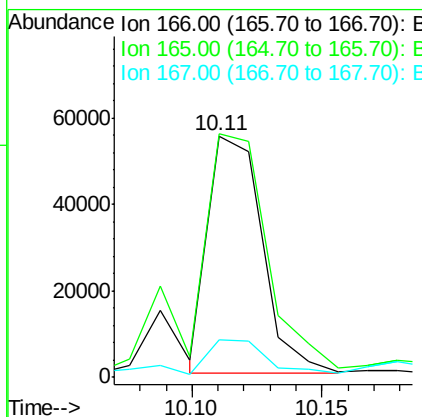
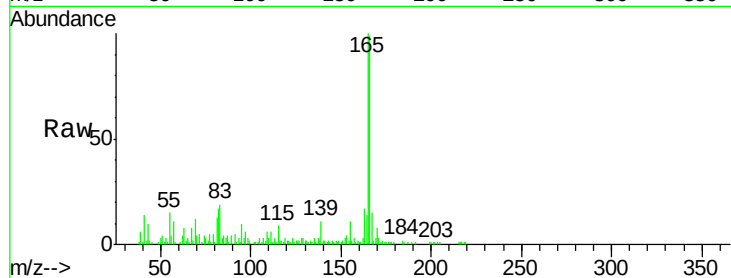
#57
Fluorene
 Concen: 3.97 ng/ml
 RT: 10.11 min Scan# 737
 Delta R.T. -0.02 min
 Lab File: BF083440.D
 Acq: 3 Dec 2015 3:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-01(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.0	78.3	117.5		
167	15.4	11.1	16.7		

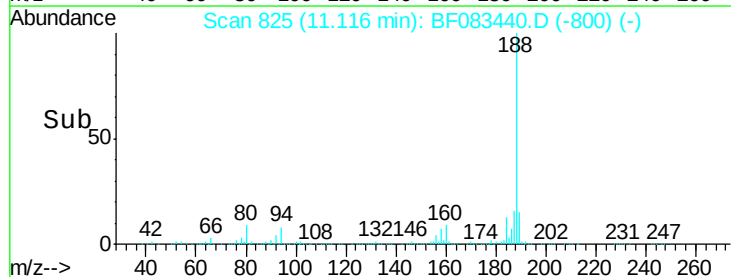
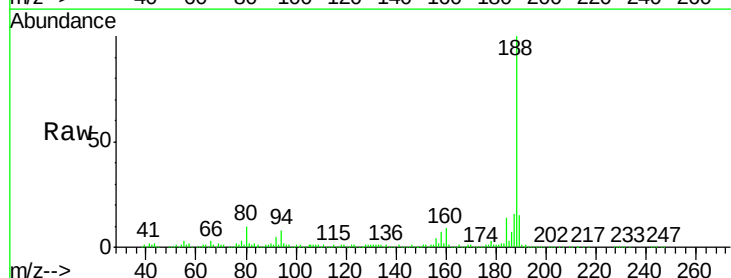
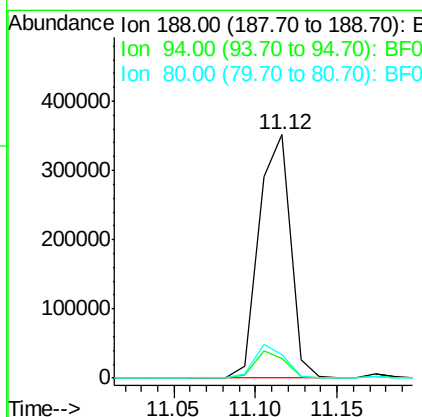
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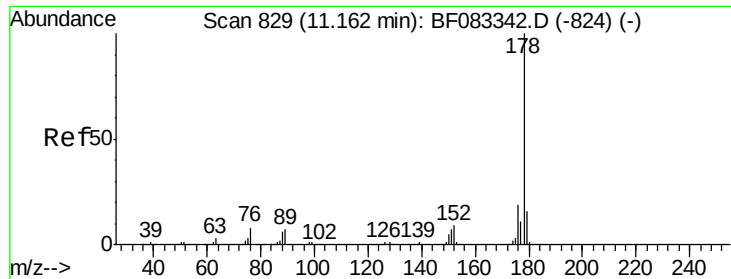
Mmdadoda
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.12 min Scan# 825
 Delta R.T. -0.01 min
 Lab File: BF083440.D
 Acq: 3 Dec 2015 3:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.3	8.7	13.1#		
80	9.7	10.3	15.5#		





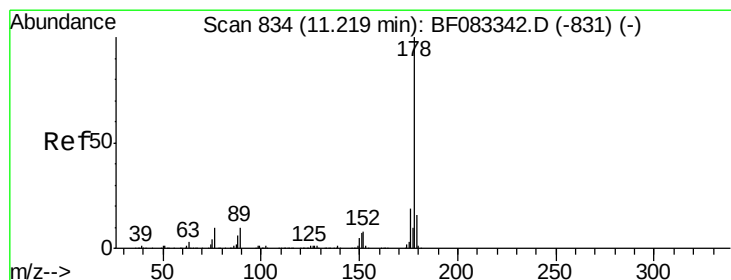
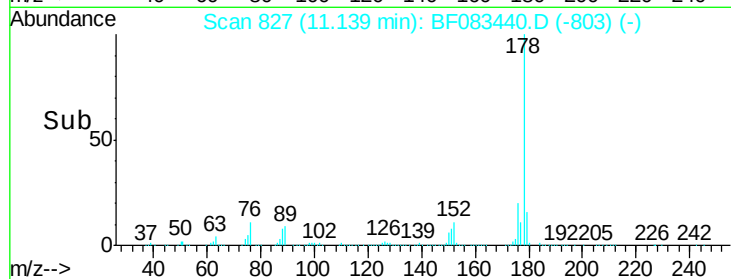
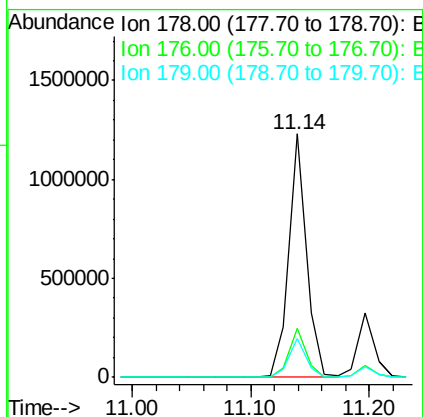
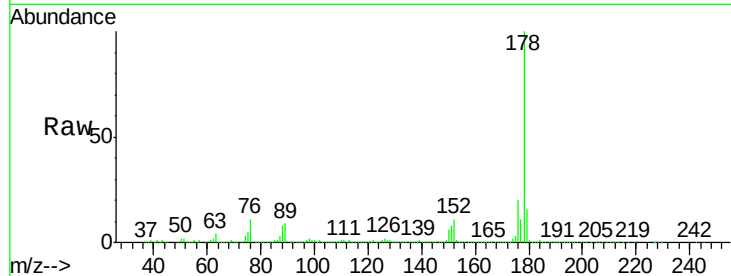
#70
Phenanthrene
Concen: 44.82 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	20.1	15.3	22.9	
179	16.1	12.4	18.6	

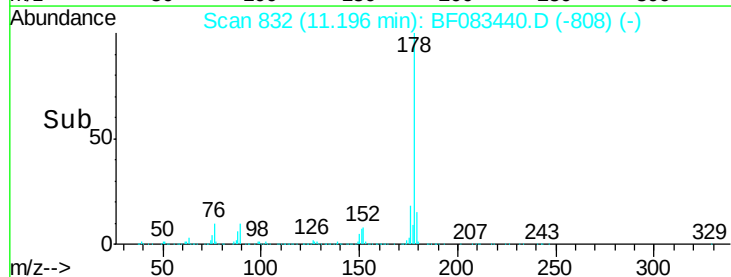
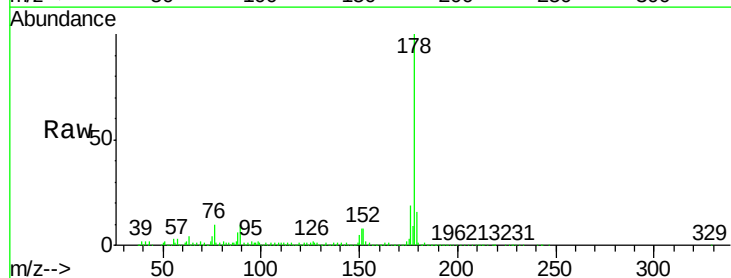
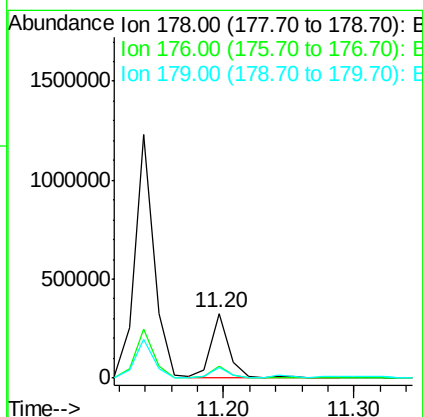
Manual Integrations
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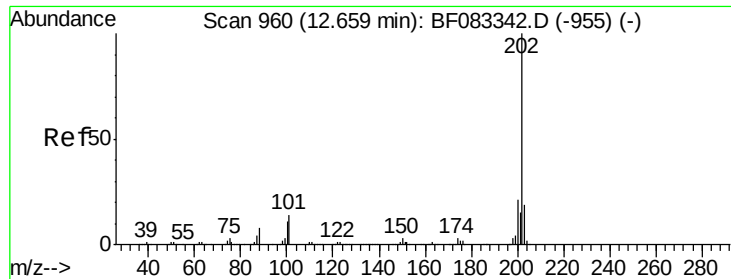
Mmdadoda
12/3/2015 7:09:58 PM



#71
Anthracene
Concen: 11.01 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	18.6	15.6	23.4	
179	15.8	12.8	19.2	





#74

Fluoranthene

Concen: 58.77 ng

RT: 12.65 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF083440.D

Acq: 3 Dec 2015 3:20

Instrument :

BNA_F

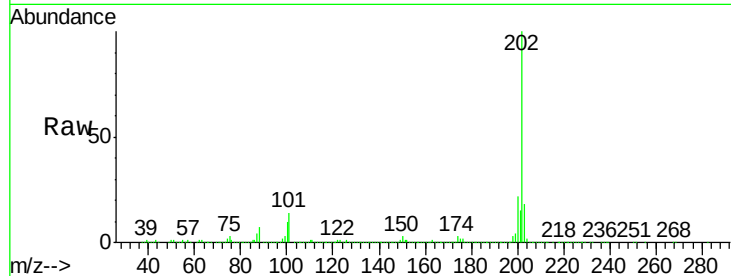
ClientSampleId :

SB-P3WC-01(0-4)

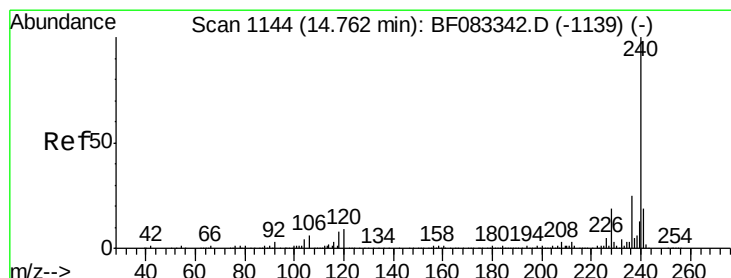
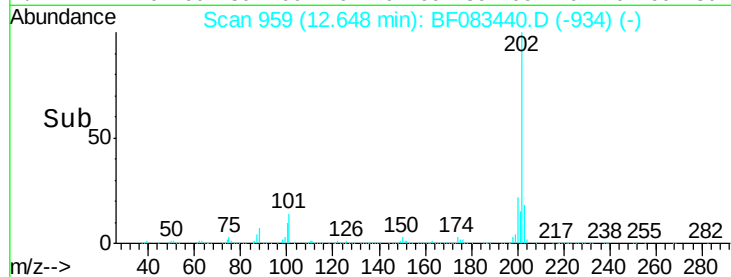
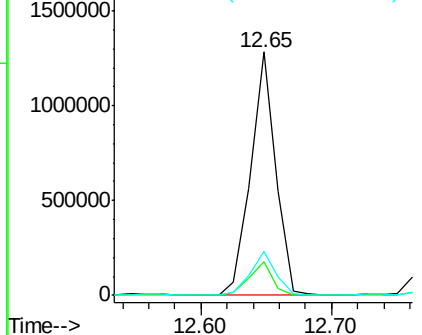
Tot Ion:	202	Resp:	1706439
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.5
203	18.3	0.0	38.7

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



#75

Chrysene-d12

Concen: 20.00 ng

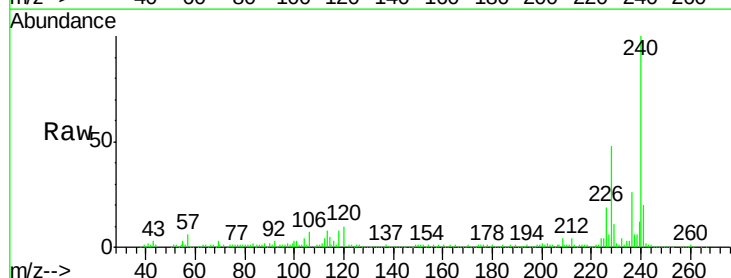
RT: 14.74 min Scan# 1142

Delta R.T. -0.02 min

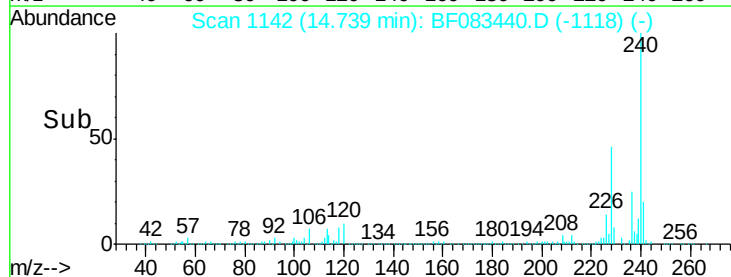
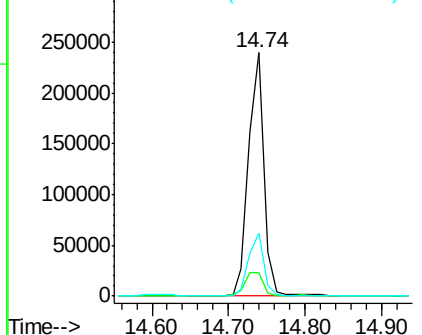
Lab File: BF083440.D

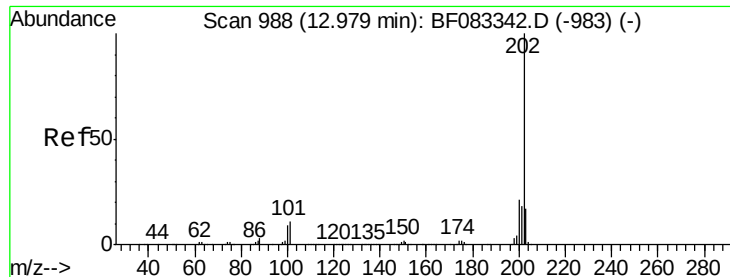
Acq: 3 Dec 2015 3:20

Tgt Ion:	240	Resp:	330282
Ion	Ratio	Lower	Upper
240	100		
120	9.7	6.9	10.3
236	25.9	19.8	29.6



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





#77

Pvrene

Concen: 109.01 ng

RT: 12.97 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF083440.D

Acq: 3 Dec 2015 3:20

Instrument :

BNA_F

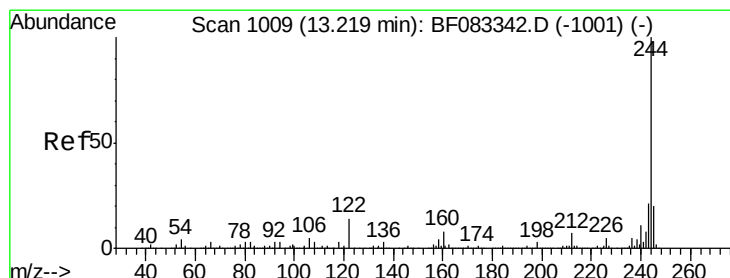
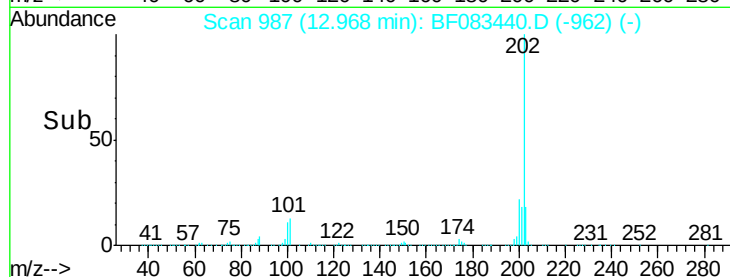
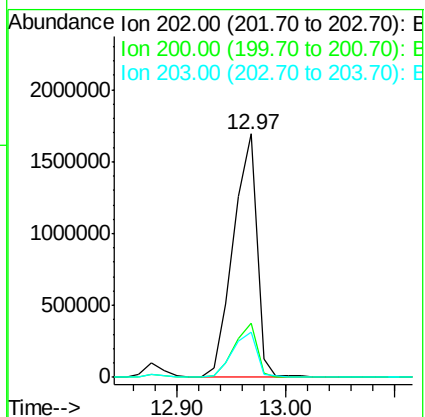
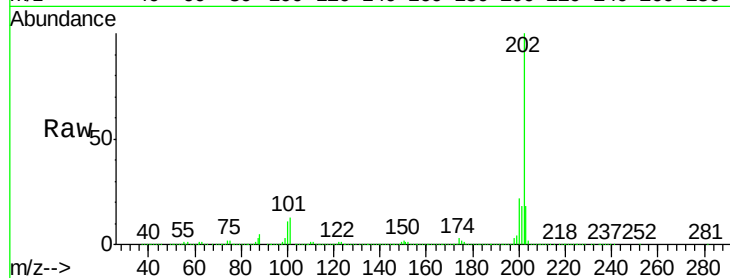
ClientSampleId :

SB-P3WC-01(0-4)

Tot Ion:	202	Resp:	2514410
Ion	Ratio	Lower	Upper
202	100		
200	22.0	16.9	25.3
203	18.4	13.9	20.9

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#78

Terphenyl-d14

Concen: 115.03 ng

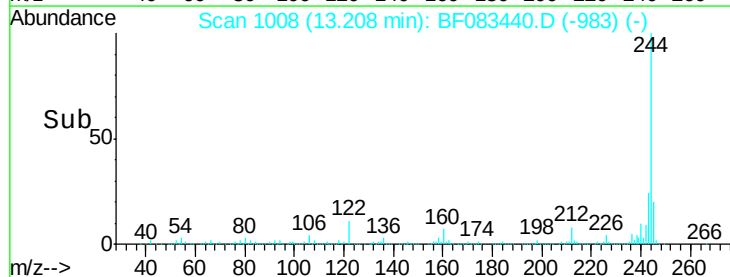
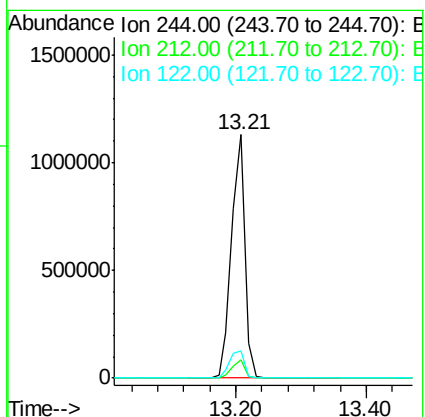
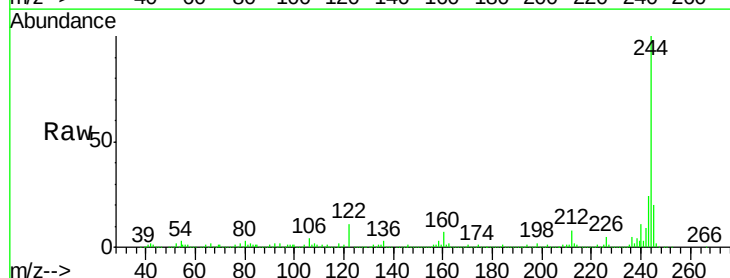
RT: 13.21 min Scan# 1008

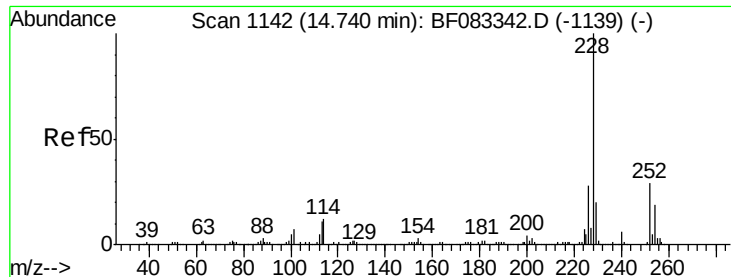
Delta R.T. -0.01 min

Lab File: BF083440.D

Acq: 3 Dec 2015 3:20

Tgt Ion:	244	Resp:	1593016
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	11.4	11.0	16.4





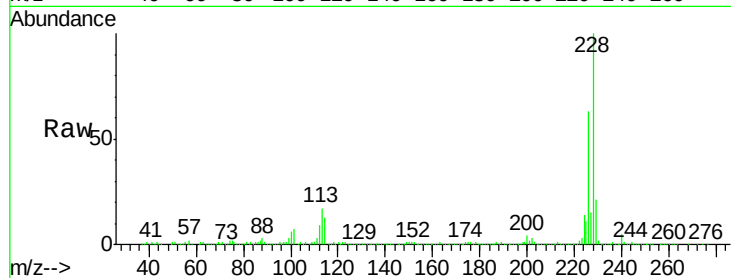
#80
Benzo(a)anthracene
Concen: 42.61 ng m
RT: 14.72 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

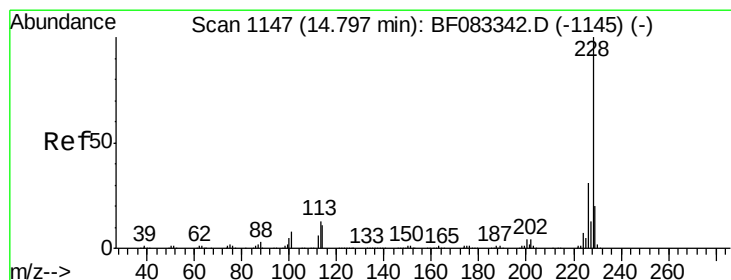
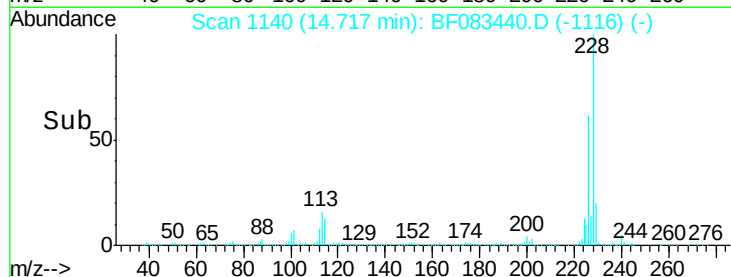
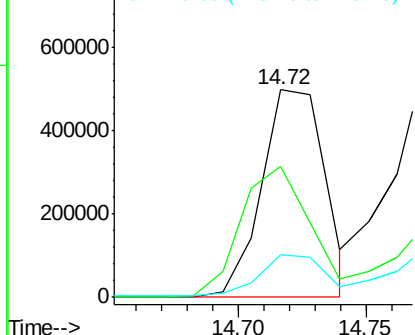
Tot Ion	Ratio	Lower	Upper
228	100		
226	63.3	22.2	33.4#
229	20.6	16.1	24.1

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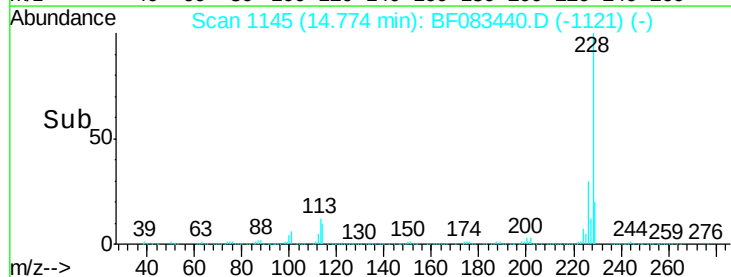
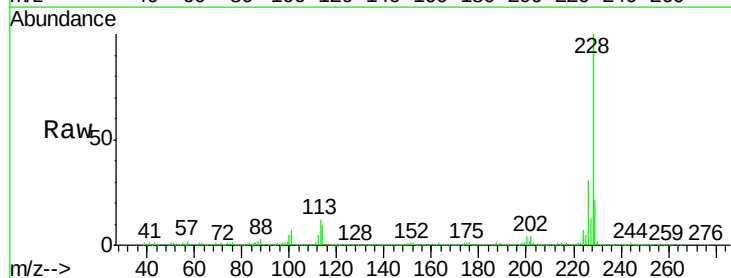
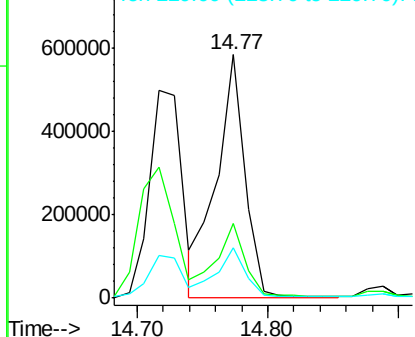
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

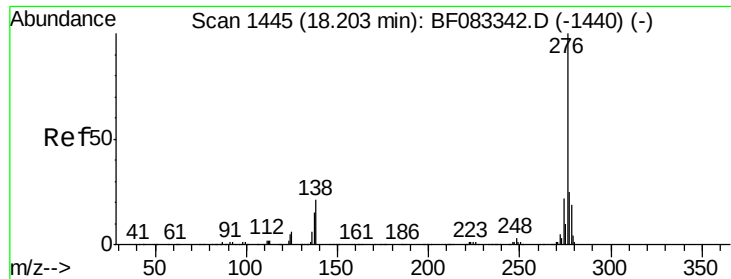


#82
Chrysene
Concen: 45.72 ng
RT: 14.77 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.6	37.0
229	20.6	16.2	24.2

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





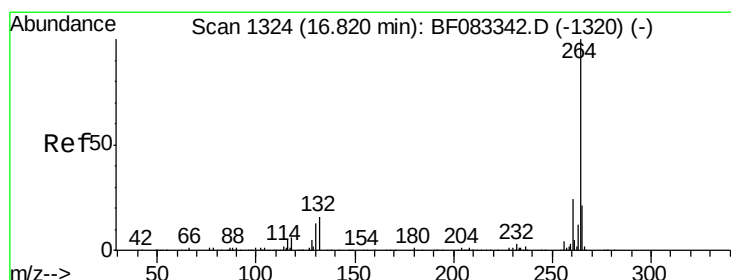
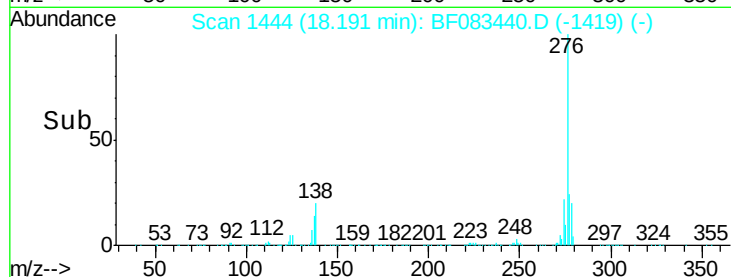
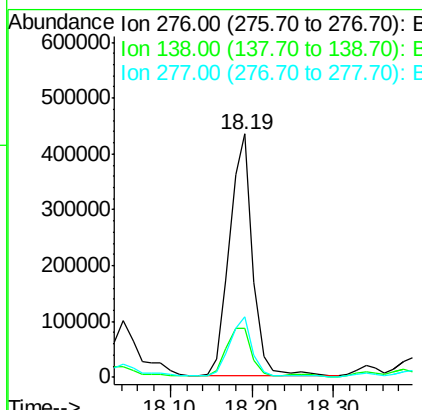
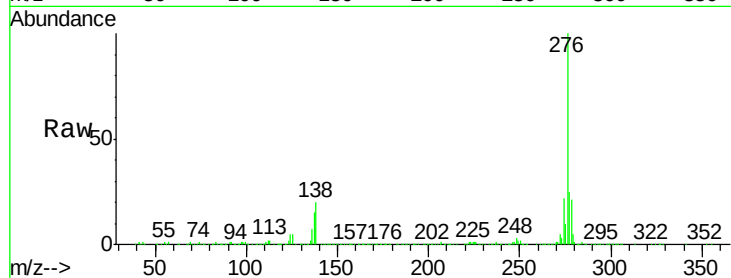
#85
Indeno(1,2,3-cd)pyrene
Concen: 59.33 ng
RT: 18.19 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	21.2	31.8
277	23.3	20.0	30.0

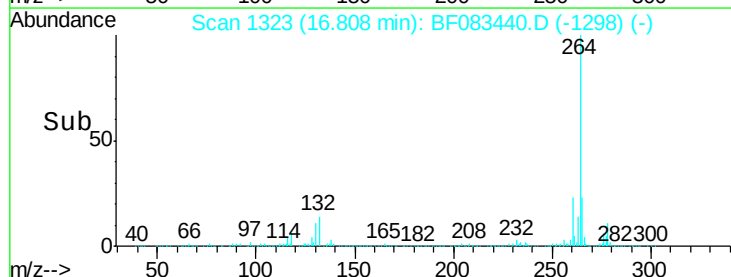
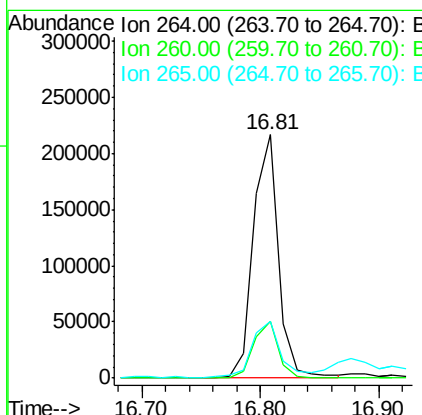
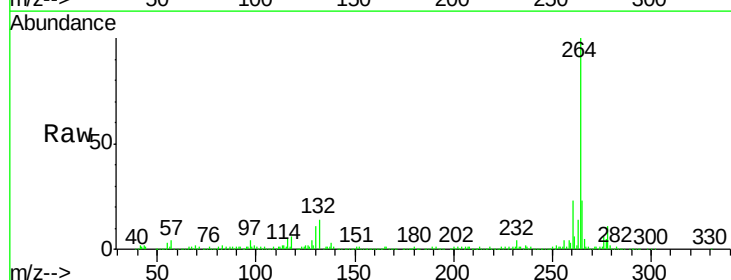
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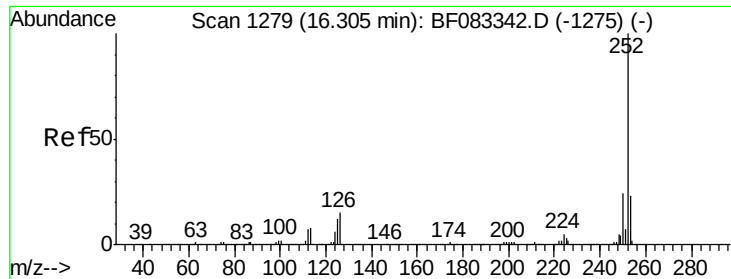
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#86
Perylene-d12
Concen: 20.00 ng
RT: 16.81 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	23.3	16.8	25.2





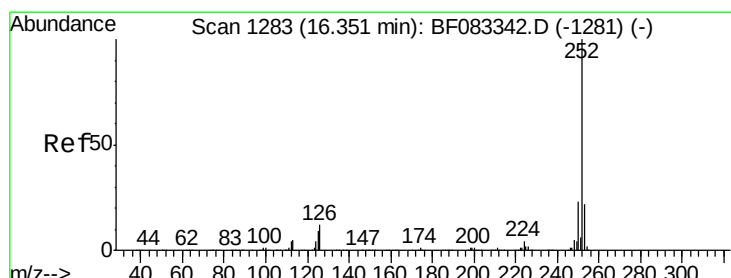
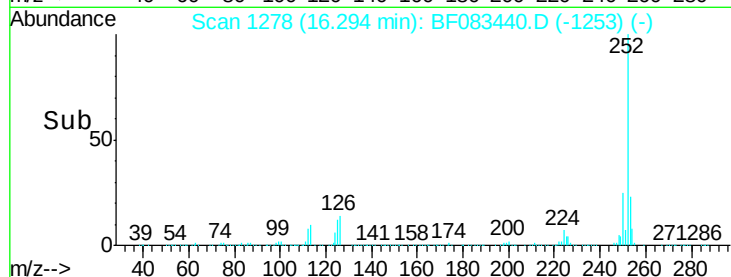
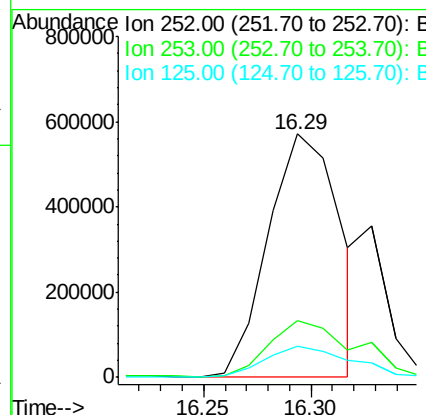
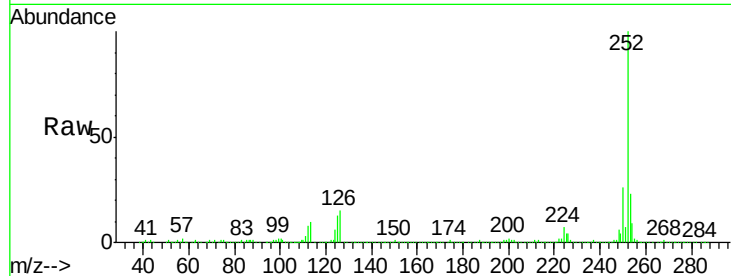
#87
Benzo(b)fluoranthene
Concen: 64.01 ng m
RT: 16.29 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	12.5	9.6	14.4

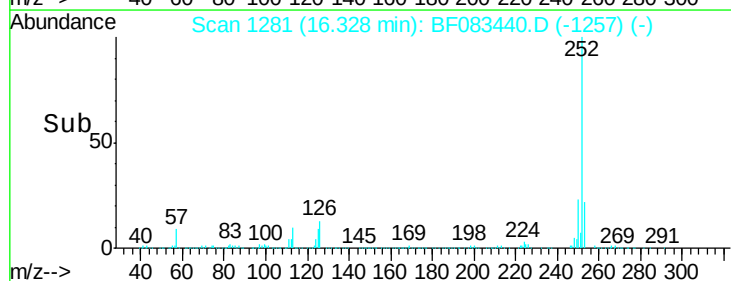
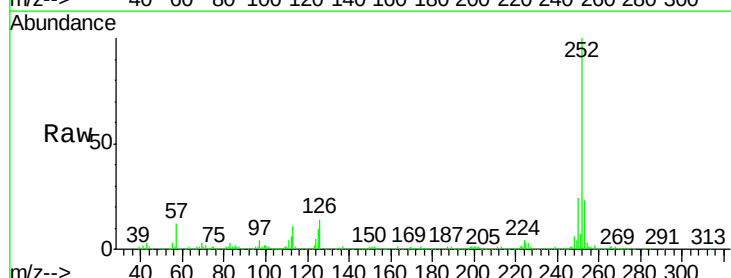
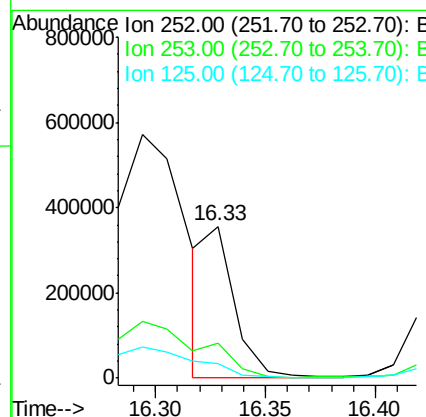
Manual Integrations
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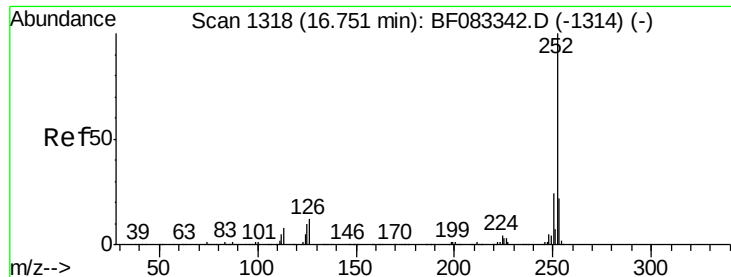
Mmdadoda
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#88
Benzo(k)fluoranthene
Concen: 17.01 ng m
RT: 16.33 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	9.6	7.5	11.3





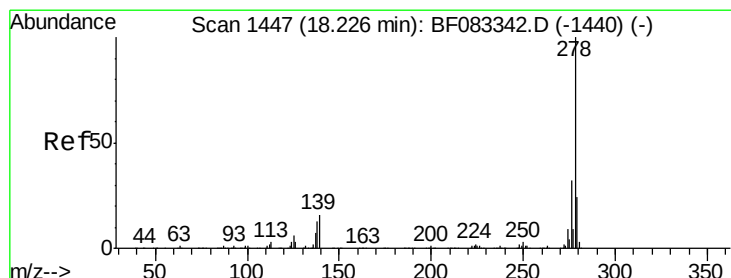
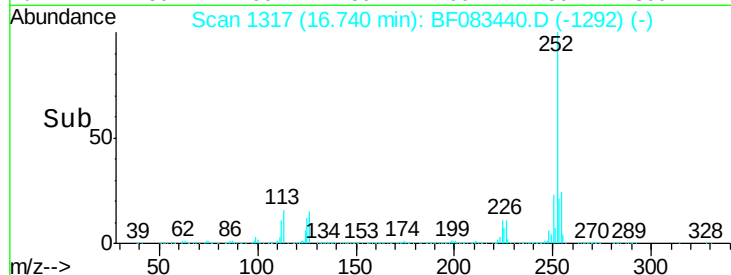
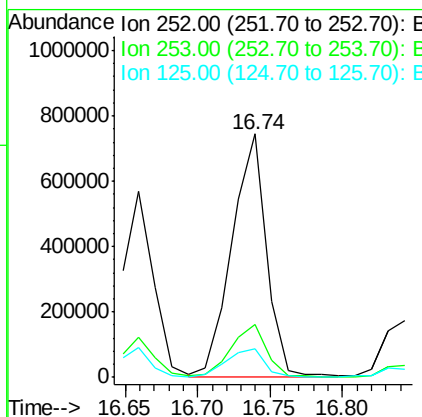
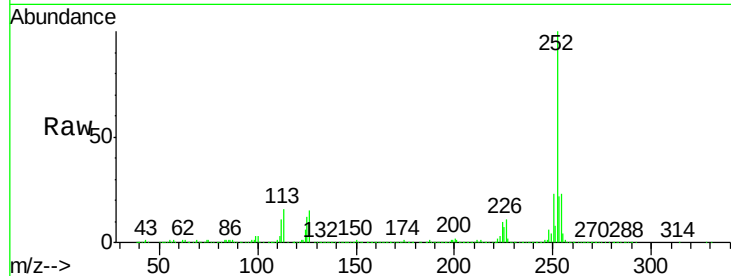
#89
Benzo(a)pyrene
Concen: 69.54 ng
RT: 16.74 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-01(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	11.6	7.8	11.8

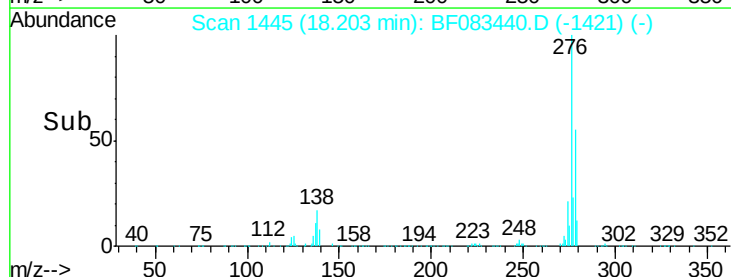
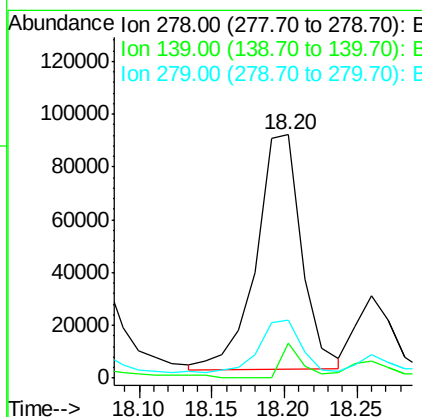
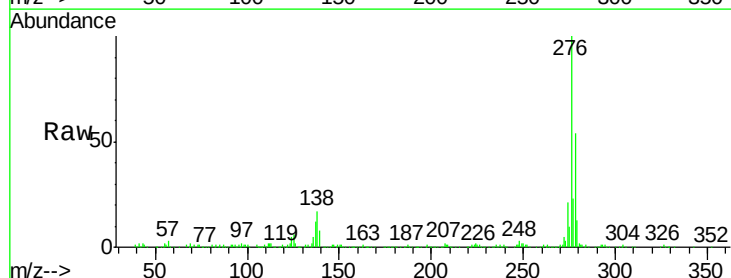
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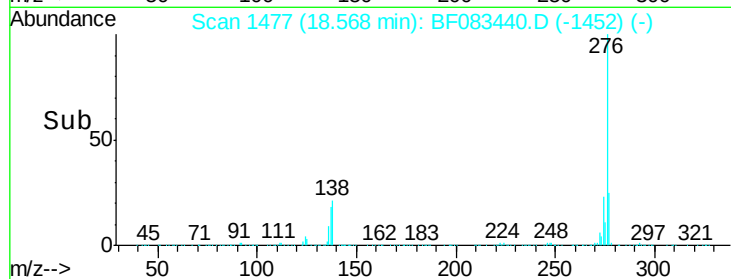
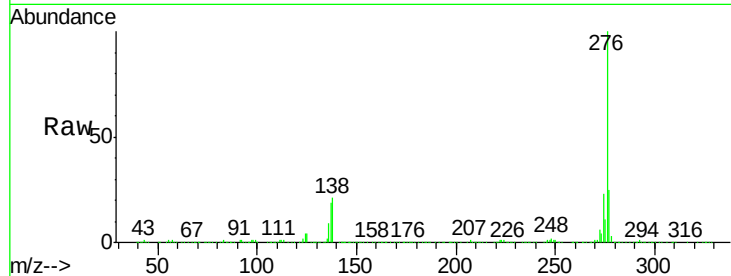
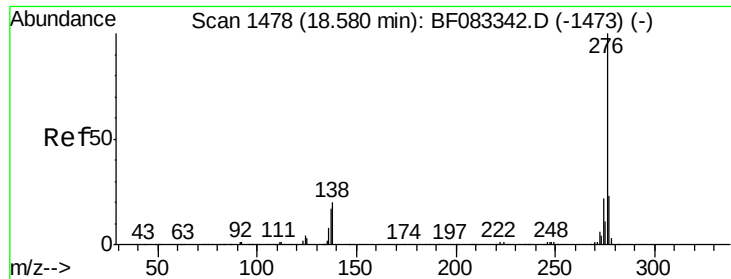
Mmdadoda
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#90
Dibenzo(a,h)anthracene
Concen: 12.65 ng
RT: 18.20 min Scan# 1445
Delta R.T. -0.02 min
Lab File: BF083440.D
Acq: 3 Dec 2015 3:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.2	13.1	19.7
279	24.0	19.2	28.8





#91

Benzo(a,h,i)perylene

Concen: 64.64 ng

RT: 18.57 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BF083440.D

Acq: 3 Dec 2015 3:20

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-01(0-4)

Tot Ion:	276	Resp:	976215
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.6	28.0
138	21.3	16.1	24.1

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