

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083429.D
 Acq On : 2 Dec 2015 20:48
 Operator : UM/IZ
 Sample : G4584-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(8-11.8)

Manual Integrations
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Quant Time: Dec 03 04:58:12 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	146676	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	592537	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	291934	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	522806	20.00	ng	-0.02
75) Chrysene-d12	14.73	240	398900	20.00	ng	-0.03
86) Perylene-d12	16.80	264	330476	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1407498	143.99	ng	0.00
7) Phenol-d6	6.21	99	1883699	140.79	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1395963	103.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	343784	117.31	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1907474	93.11	ng	-0.01
78) Terphenyl-d14	13.21	244	1771373	105.90	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.22	94	35199	2.19	ng	# 54
31) Naphthalene	7.85	128	605155	18.82	ng	98
37) 2-Methylnaphthalene	8.54	142	153183	7.13	ng	99
45) 1,1'-Biphenyl	9.00	154	68979	2.69	ng	94
49) Dimethylphthalate	9.31	163	437767	18.45	ng	98
51) Acenaphthene	9.61	154	242415	13.24	ng	96
57) Fluorene	10.11	166	118420m	5.59	ng	
70) Phenanthrene	11.14	178	936056	30.25	ng	99
71) Anthracene	11.20	178	211006	6.77	ng	97
74) Fluoranthene	12.64	202	934171	29.13	ng	99
77) Pyrene	12.96	202	975267	35.01	ng	99
80) Benzo(a)anthracene	14.72	228	393031	16.08	ng	97
82) Chrysene	14.76	228	324868	13.76	ng	98
85) Indeno(1,2,3-cd)pyrene	18.17	276	142221	8.27	ng	98
87) Benzo(b)fluoranthene	16.28	252	347240m	16.38	ng	
88) Benzo(k)fluoranthene	16.32	252	76630m	3.83	ng	
89) Benzo(a)pyrene	16.72	252	233453	12.82	ng	98
90) Dibenzo(a,h)anthracene	18.18	278	32092m	2.02	ng	
91) Benzo(a,h,i)perylene	18.53	276	148555	9.54	ng	96

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

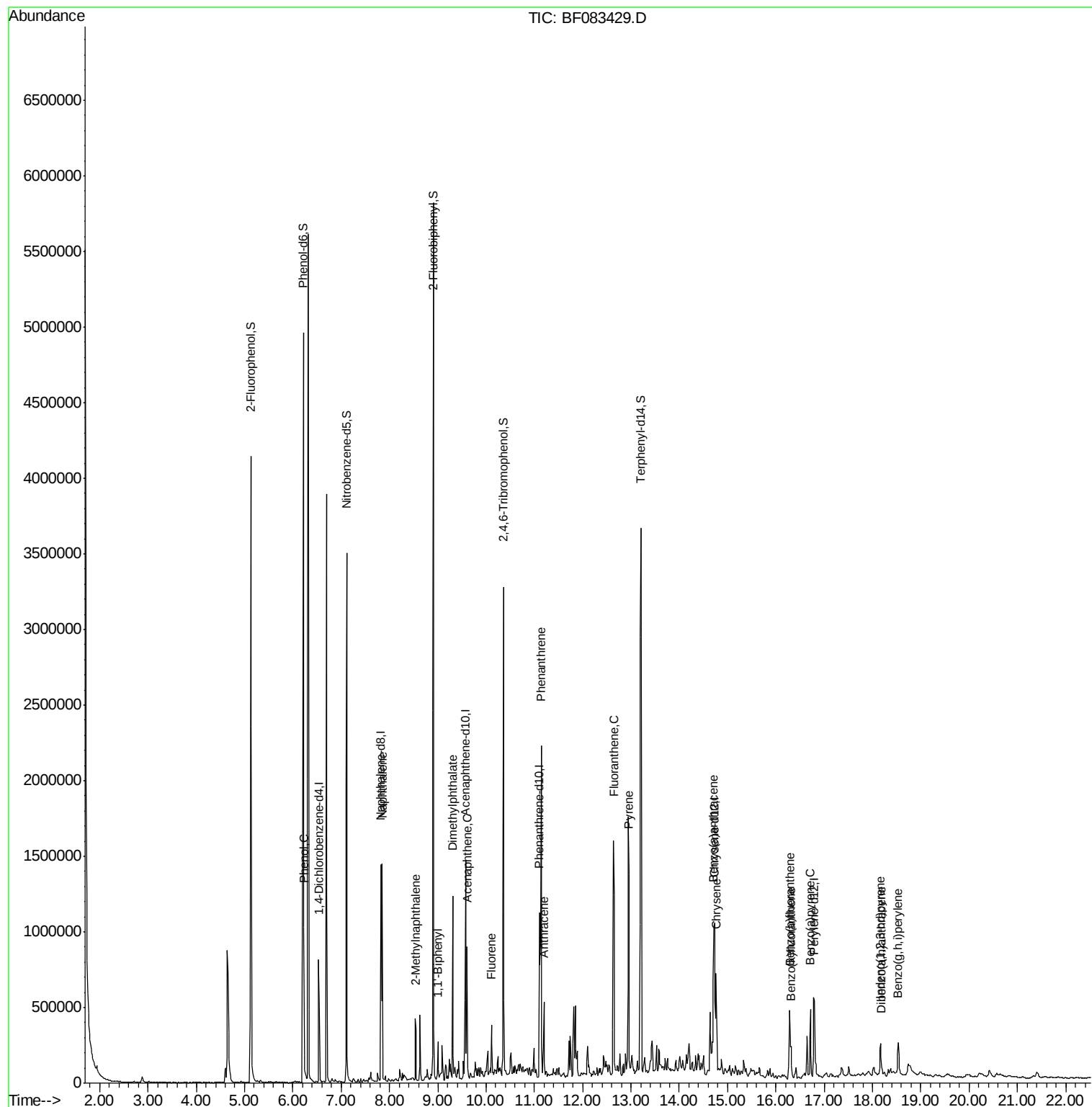
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
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#1

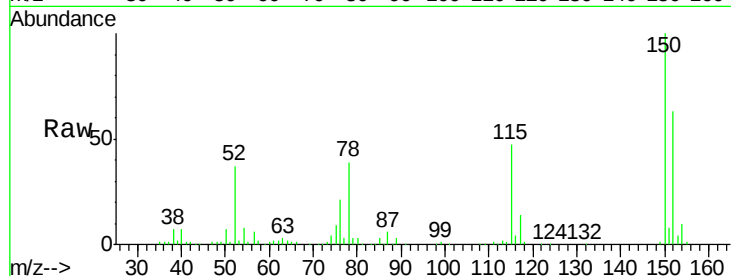
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.53 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF083429.D
Acq: 2 Dec 2015 20:48

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(8-11.8)

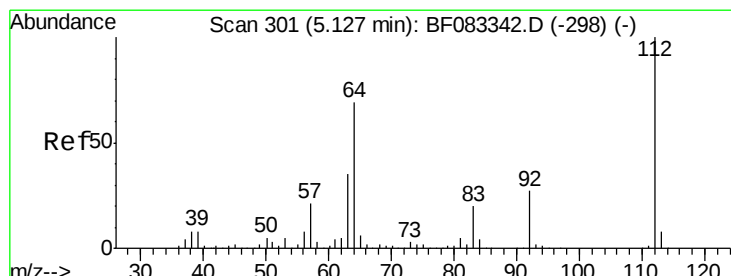
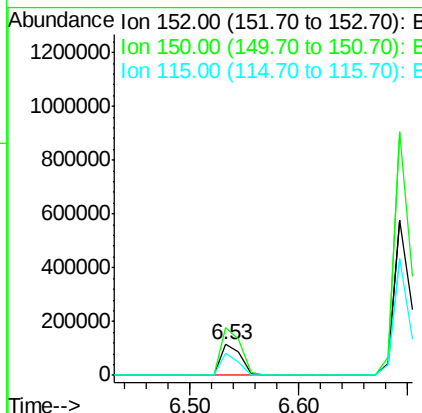
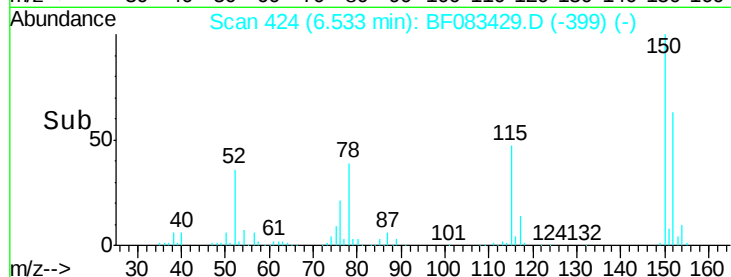
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	129.8	194.8
115	74.2	59.2	88.8

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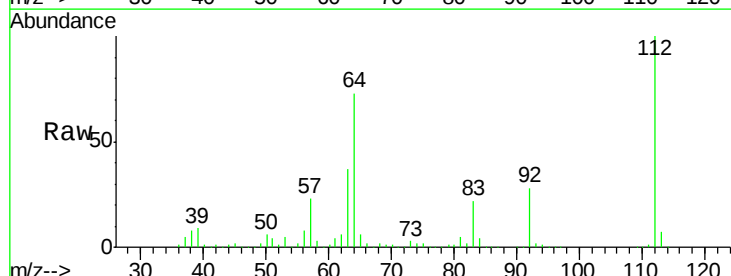
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



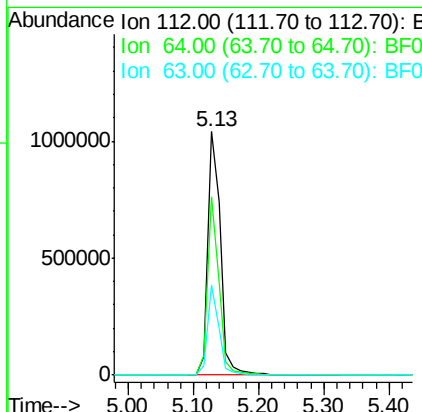
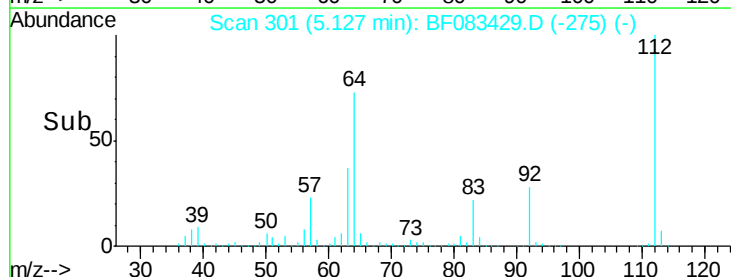
#5

2-Fluorophenol
Concen: 143.99 ng
RT: 5.13 min Scan# 301
Delta R.T. -0.00 min
Lab File: BF083429.D
Acq: 2 Dec 2015 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.4	55.6	83.4
63	37.2	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: 140.79 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(8-11.8)

Tot Ion: 99 Resp: 1883699

Ion Ratio Lower Upper

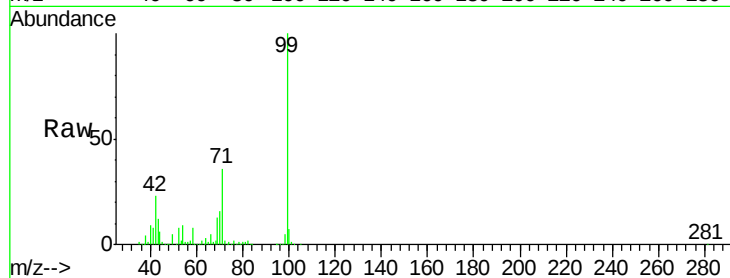
99 100

42 22.8 14.9 22.3#

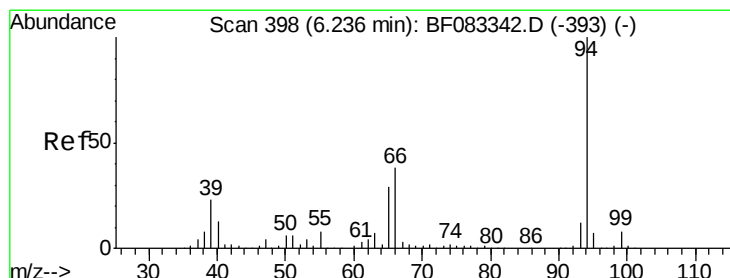
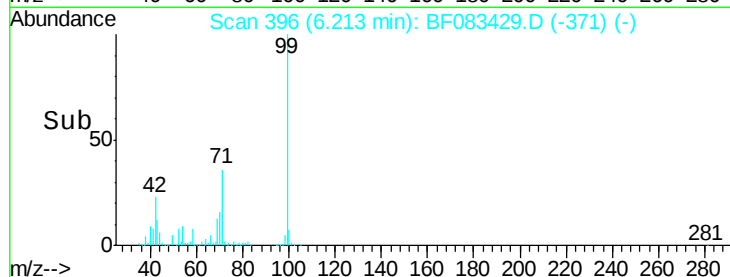
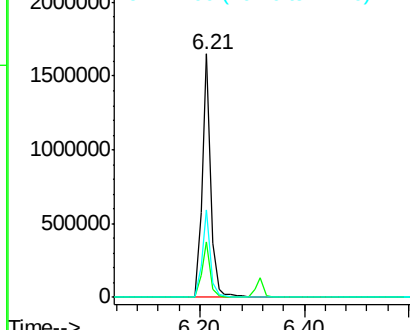
71 35.7 24.7 37.1

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.19 ng

RT: 6.22 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

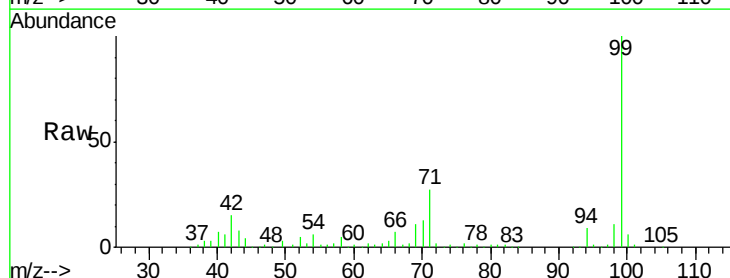
Tgt Ion: 94 Resp: 35199

Ion Ratio Lower Upper

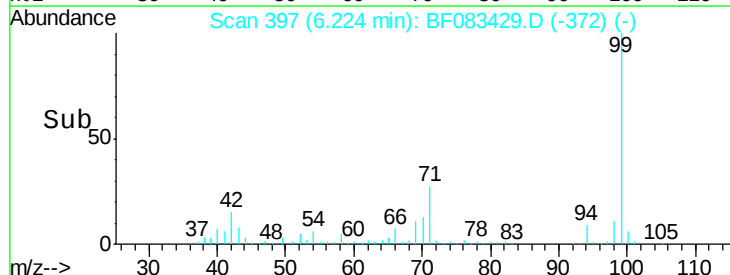
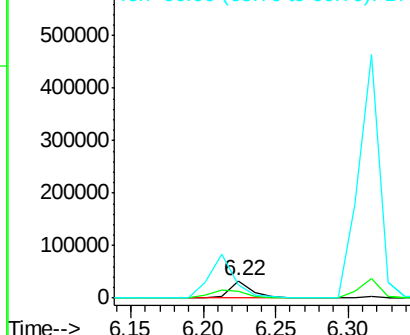
94 100

65 37.8 9.5 49.5

66 79.6 17.9 57.9#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.82 min Scan# 537

Delta R.T. -0.01 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

Instrument :

BNA_F

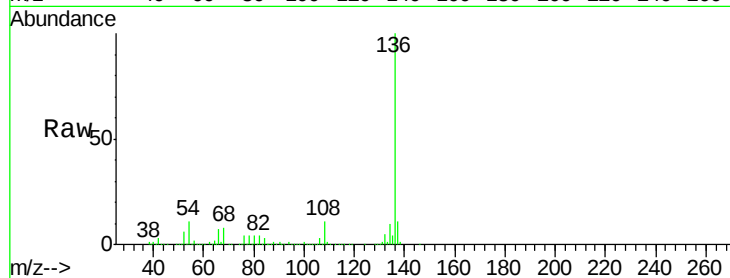
ClientSampleId :

SB-P3WC-13(8-11.8)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	9.0	13.4	
54	11.3	10.1	15.1	
68	7.5	7.1	10.7	

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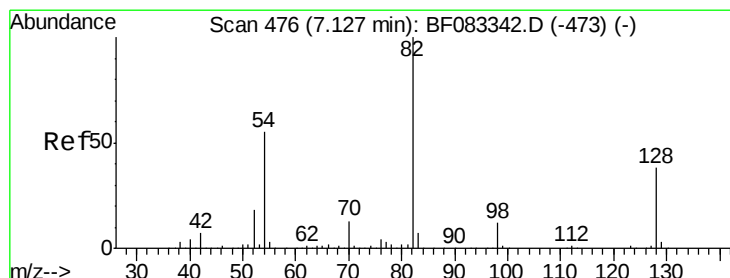
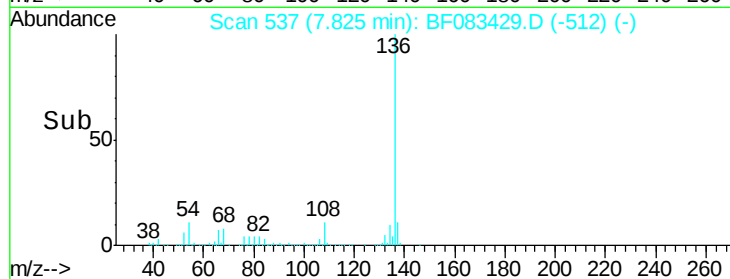
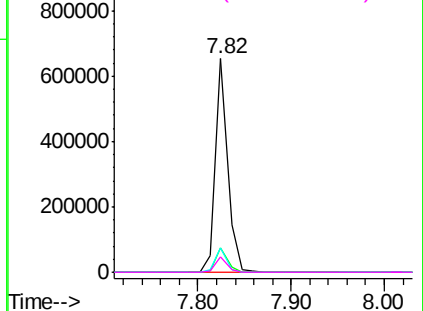


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 103.56 ng

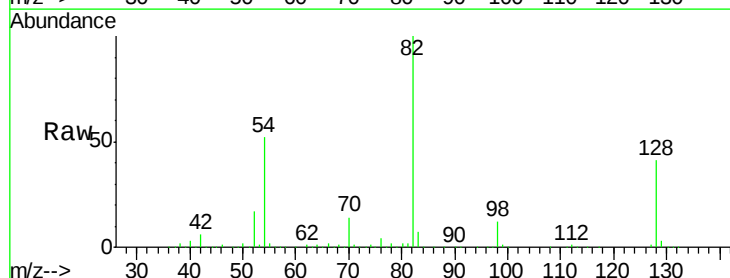
RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

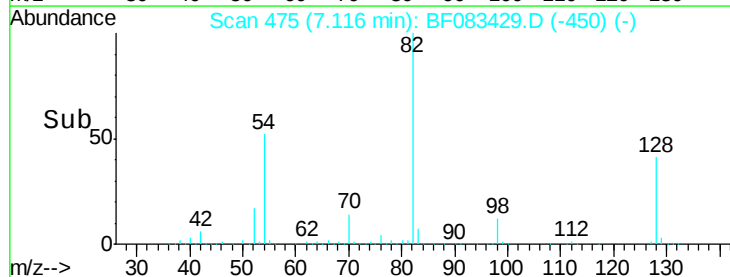
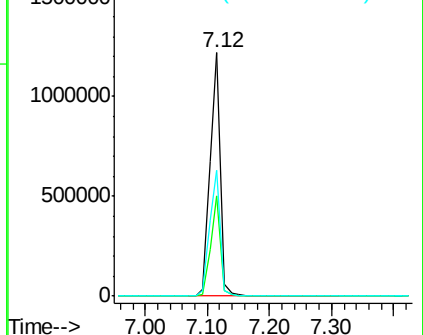
Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.9	30.6	46.0	
54	51.9	43.8	65.6	

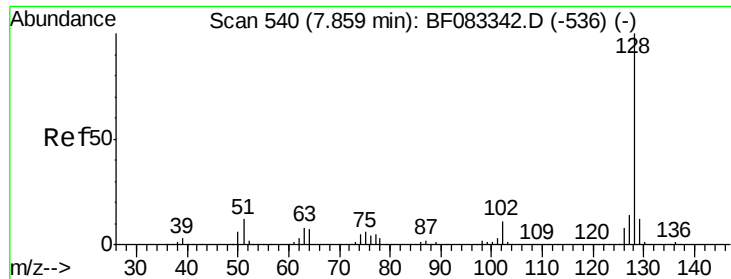


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 18.82 ng

RT: 7.85 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

Instrument :

BNA_F

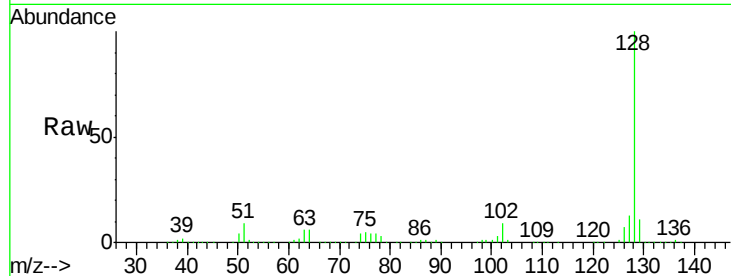
ClientSampleId :

SB-P3WC-13(8-11.8)

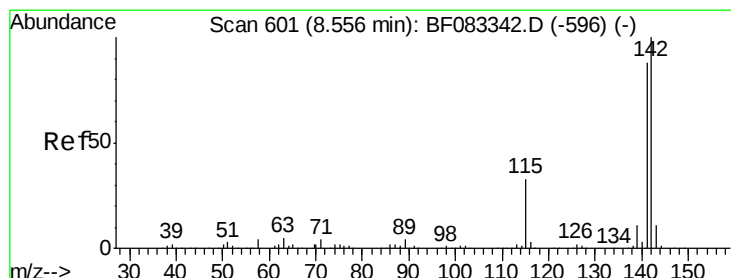
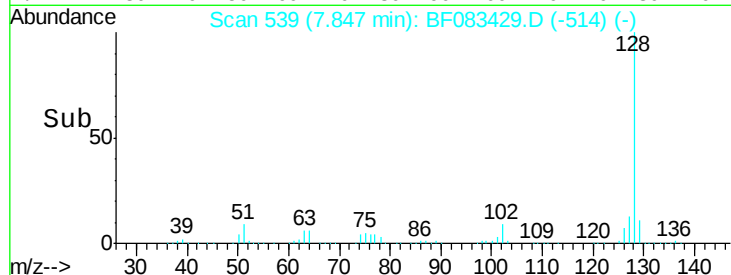
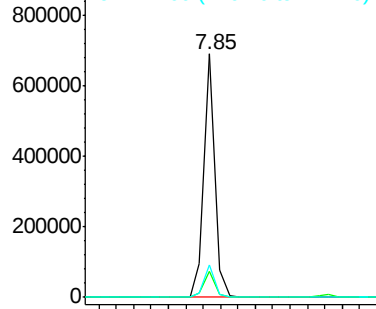
Tot Ion:	128	Resp:	605155
Ion Ratio		Lower	Upper
128	100		
129	10.9	9.7	14.5
127	13.3	11.0	16.4

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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



#37

2-Methylnaphthalene

Concen: 7.13 ng

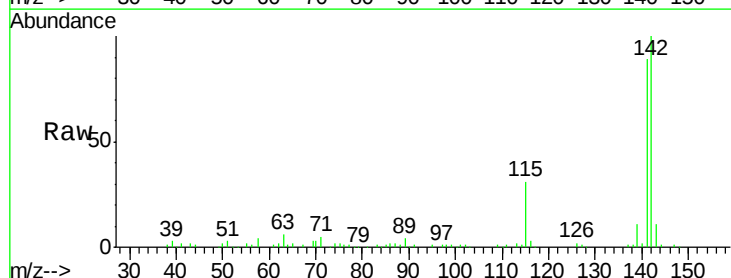
RT: 8.54 min Scan# 600

Delta R.T. -0.01 min

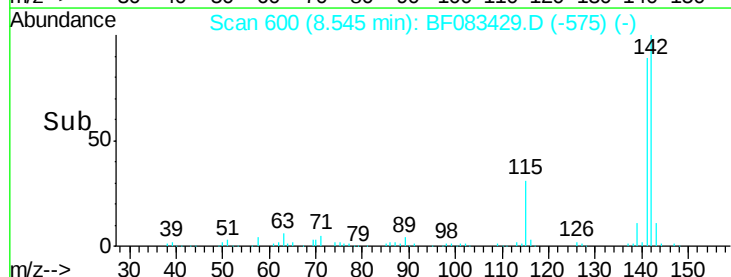
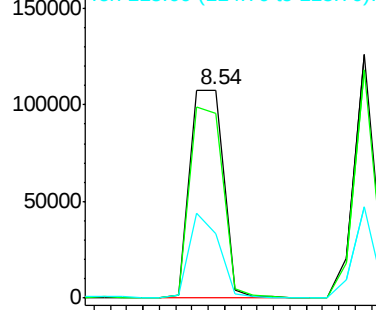
Lab File: BF083429.D

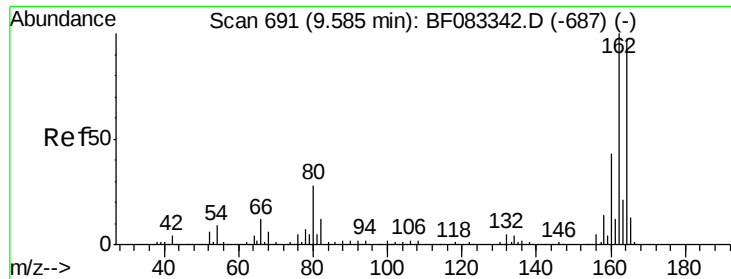
Acq: 2 Dec 2015 20:48

Tgt Ion:	142	Resp:	153183
Ion Ratio		Lower	Upper
142	100		
141	88.8	70.6	105.8
115	31.3	26.2	39.2



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.57 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF083429.D

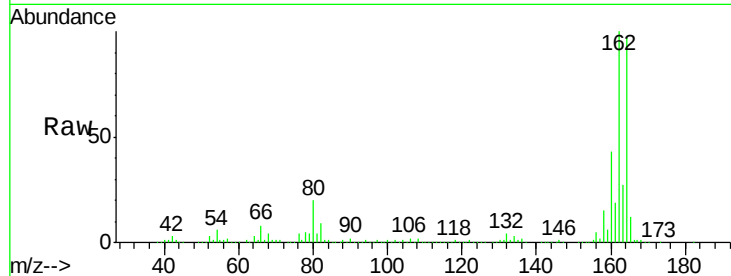
Acq: 2 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

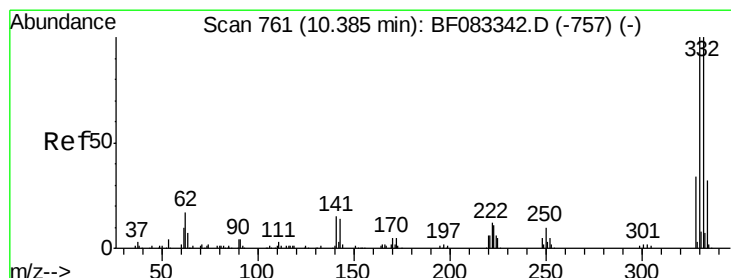
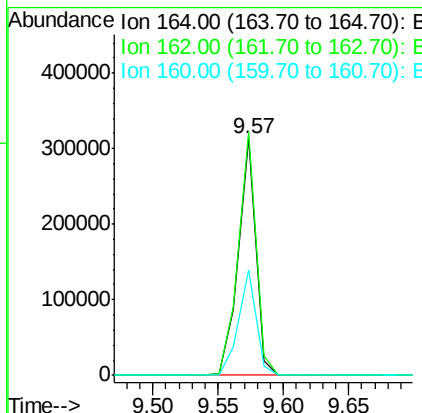
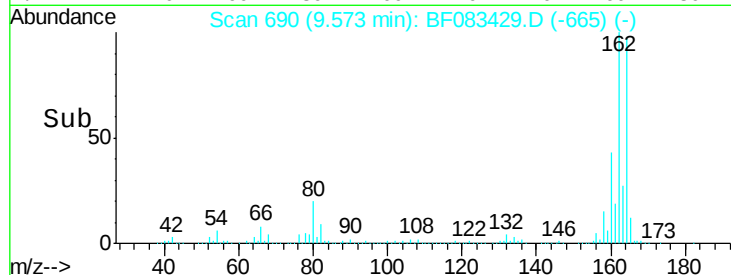
SB-P3WC-13(8-11.8)



Tot Ion	164	Resp	291934
Ion Ratio	Lower	Upper	
164	100		
162	102.8	82.6	123.8
160	44.5	35.3	52.9

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#41

2,4,6-Tribromophenol

Concen: 117.31 ng

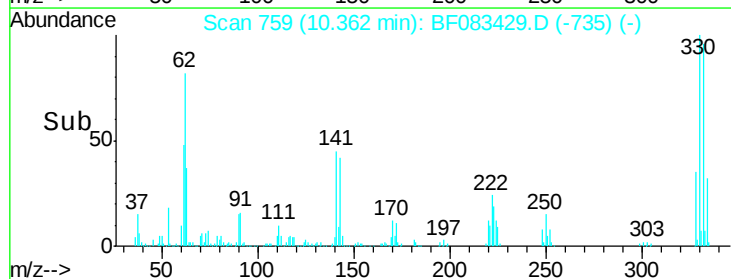
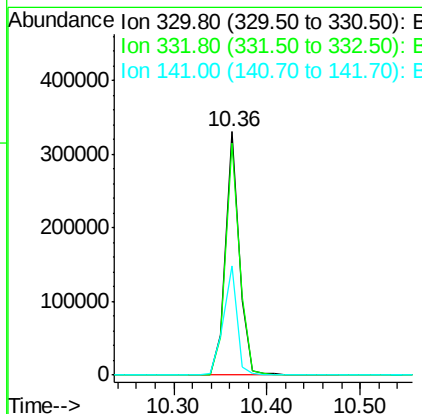
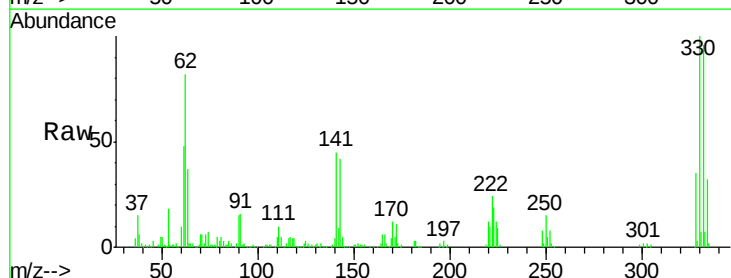
RT: 10.36 min Scan# 759

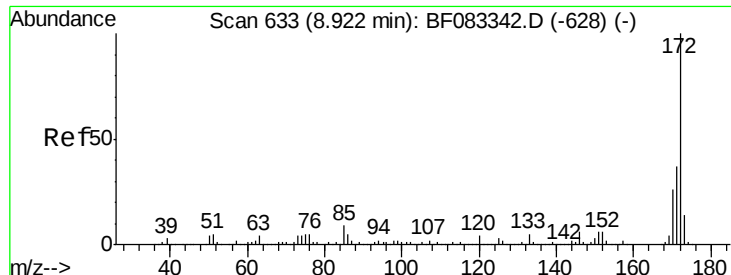
Delta R.T. -0.02 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

Tgt Ion	330	Resp	343784
Ion Ratio	Lower	Upper	
330	100		
332	97.0	77.8	116.6
141	44.0	29.4	44.0





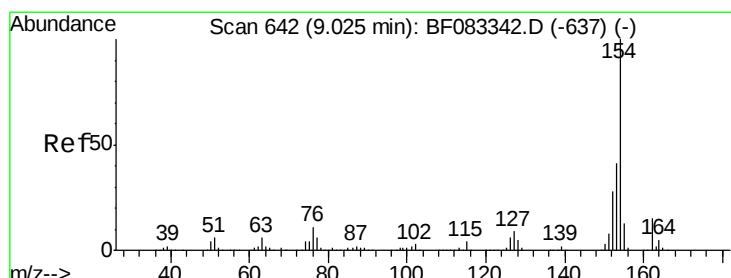
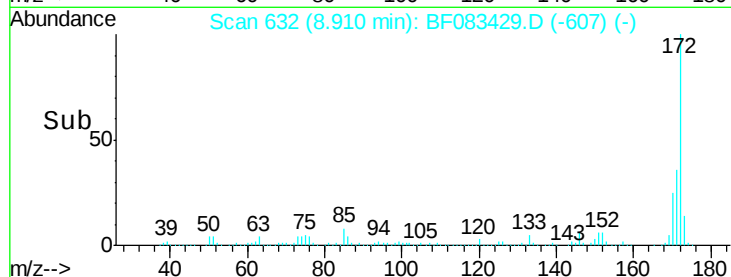
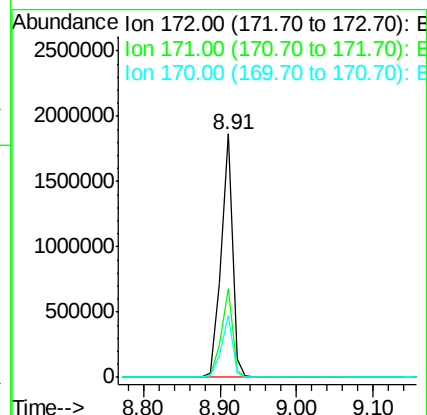
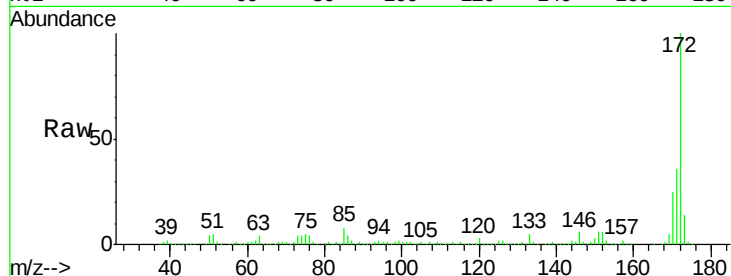
#44
 2-Fluorobiphenyl
 Concen: 93.11 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083429.D
 Acq: 2 Dec 2015 20:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(8-11.8)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	25.2	20.4	30.6

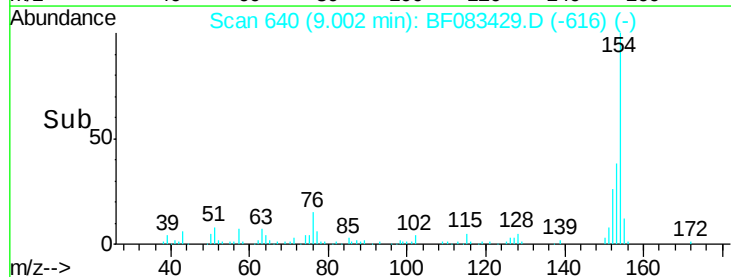
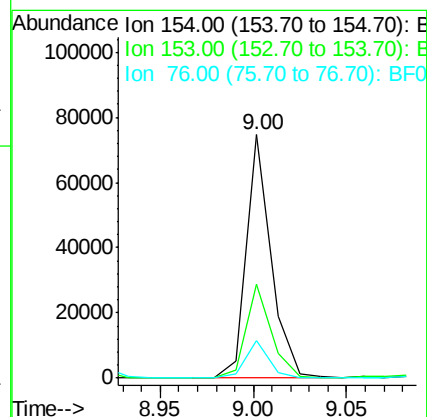
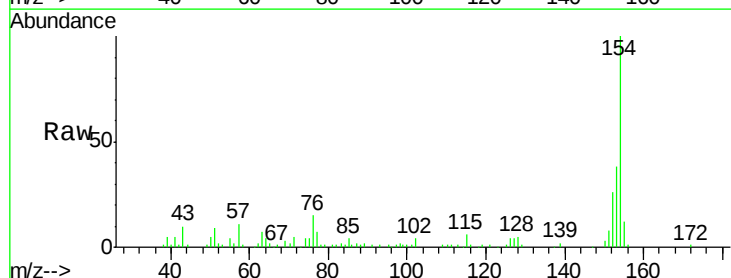
Manual Integrations
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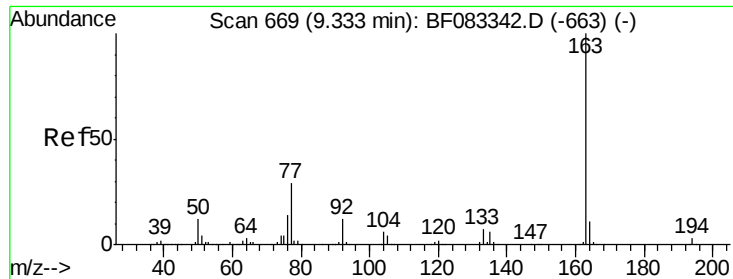
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#45
 1,1'-Biphenyl
 Concen: 2.69 ng
 RT: 9.00 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF083429.D
 Acq: 2 Dec 2015 20:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.3	20.6	60.6
76	15.3	0.0	30.5





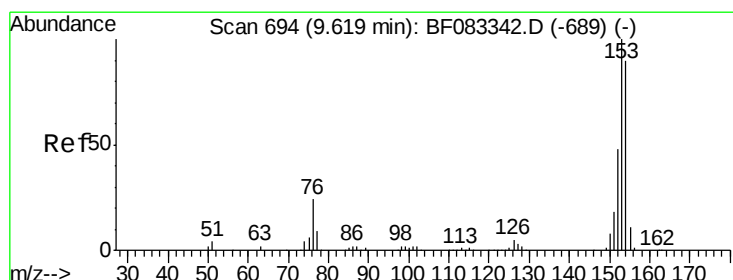
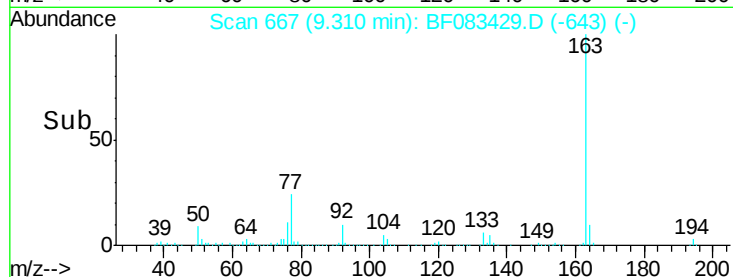
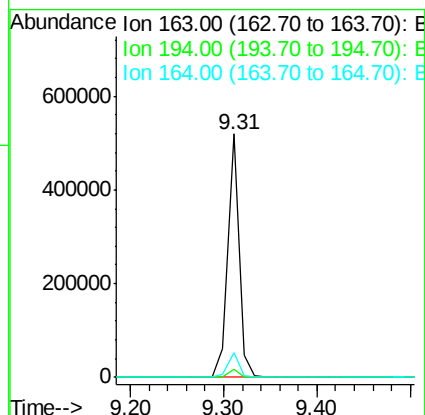
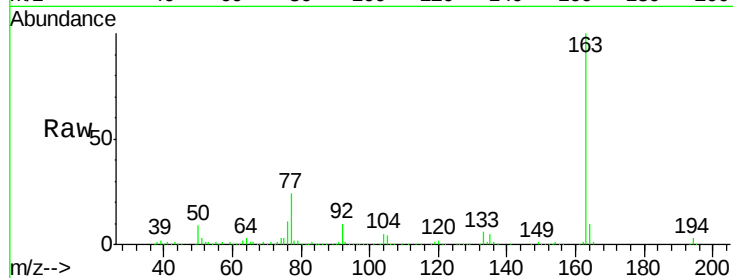
#49
Dimethylphthalate
Concen: 18.45 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083429.D
Acq: 2 Dec 2015 20:48

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(8-11.8)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	437767		
194	3.5	2.7	4.1	
164	10.1	8.8	13.2	

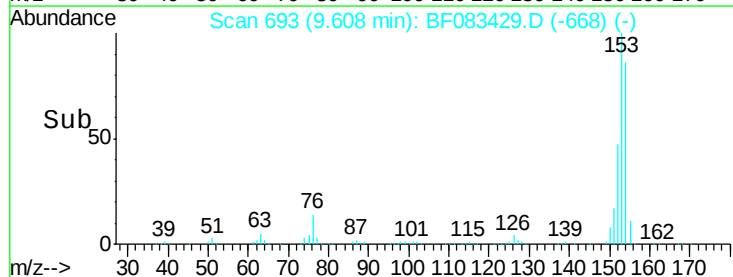
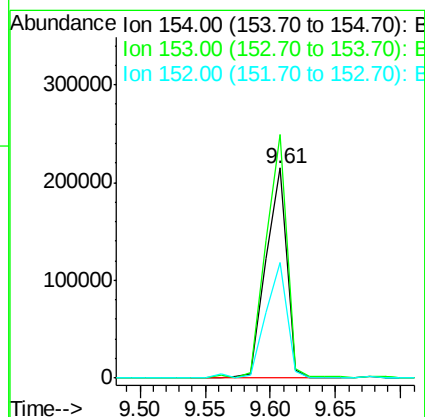
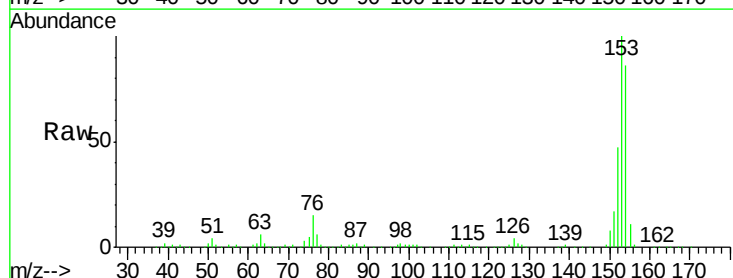
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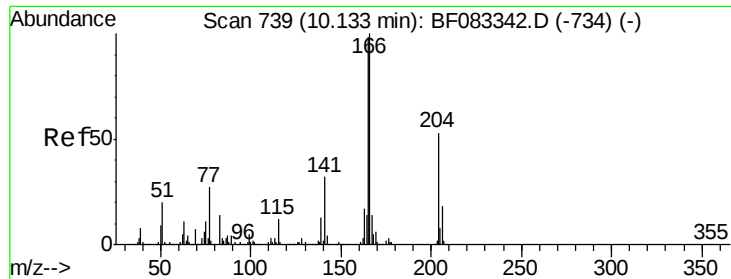
Mmdadoda
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#51
Acenaphthene
Concen: 13.24 ng
RT: 9.61 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF083429.D
Acq: 2 Dec 2015 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	242415		
153	115.9	89.3	133.9	
152	55.0	42.5	63.7	





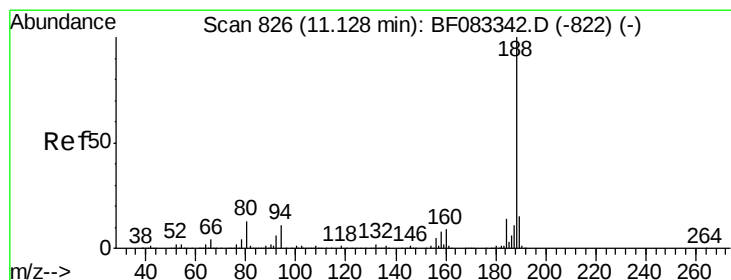
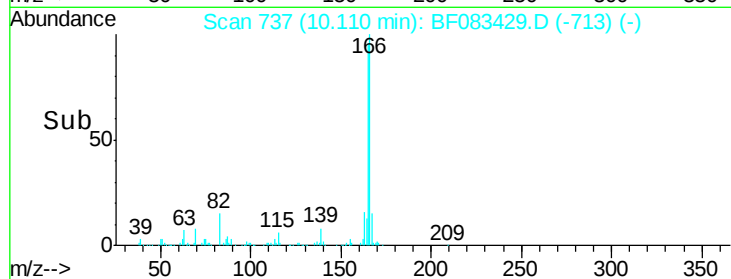
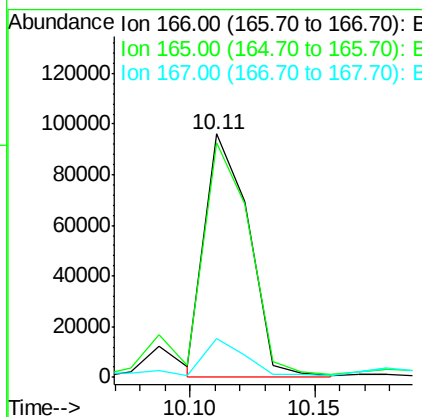
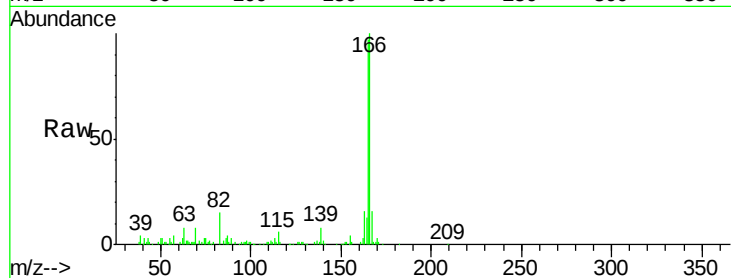
#57
Fluorene
 Concen: 5.59 ng/ml
 RT: 10.11 min Scan# 737
 Delta R.T. -0.02 min
 Lab File: BF083429.D
 Acq: 2 Dec 2015 20:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(8-11.8)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		118420		
165	96.6	78.3	117.5		
167	15.9	11.1	16.7		

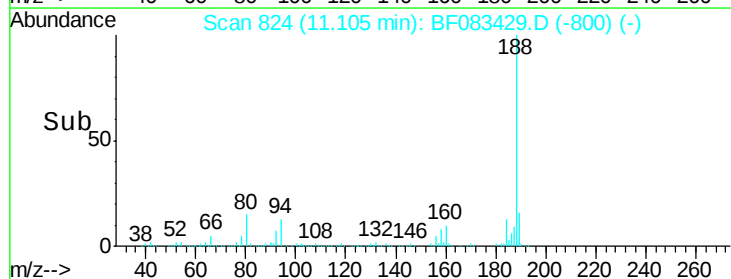
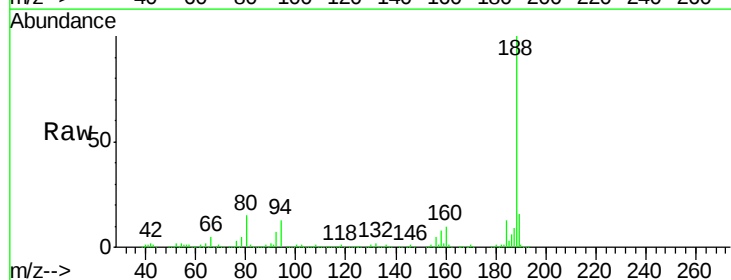
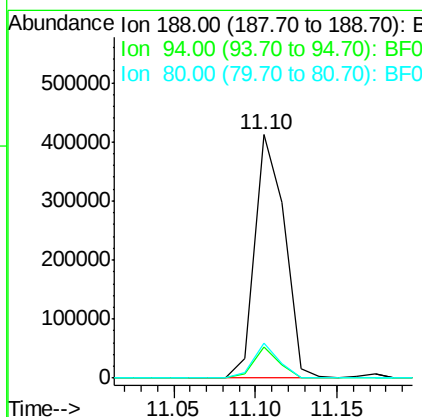
Manual Integrations
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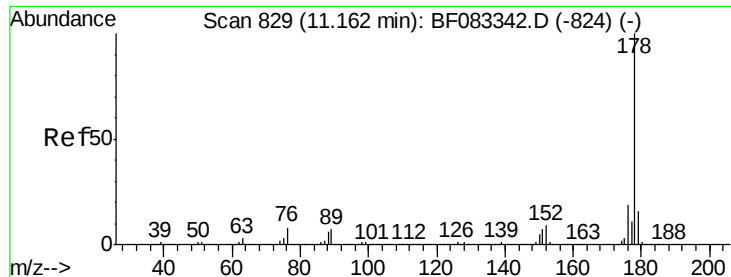
Mmdadoda
 12/3/2015 7:09:46 PM



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 824
 Delta R.T. -0.02 min
 Lab File: BF083429.D
 Acq: 2 Dec 2015 20:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		522806		
94	12.6	8.7	13.1		
80	14.6	10.3	15.5		





#70

Phenanthrene

Concen: 30.25 ng

RT: 11.14 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

Instrument :

BNA_F

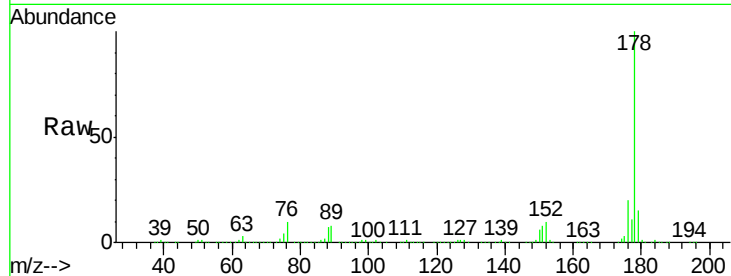
ClientSampleId :

SB-P3WC-13(8-11.8)

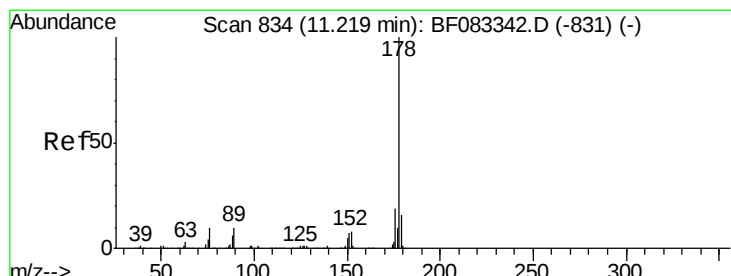
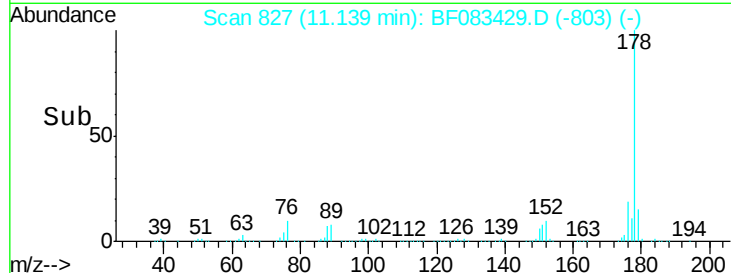
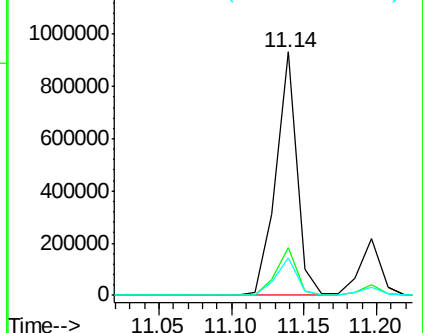
Tot Ion:	178	Resp:	936056
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.3	22.9
179	15.4	12.4	18.6

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



#71

Anthracene

Concen: 6.77 ng

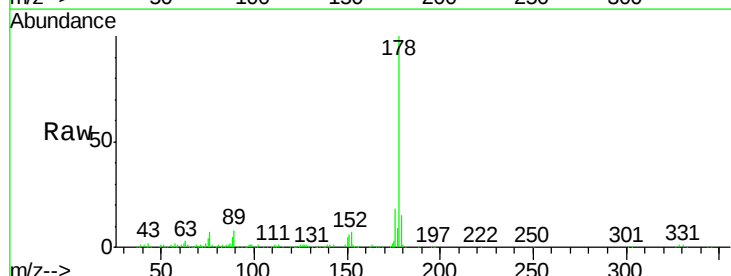
RT: 11.20 min Scan# 832

Delta R.T. -0.02 min

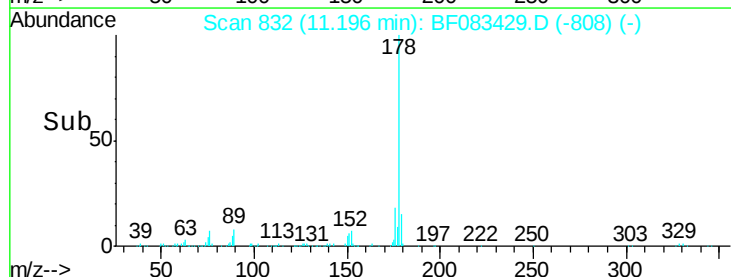
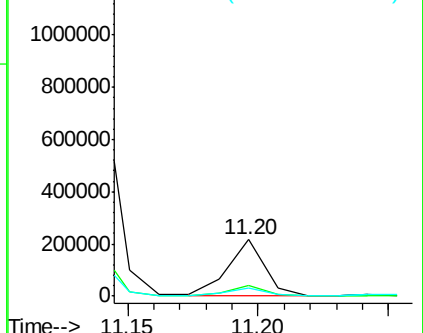
Lab File: BF083429.D

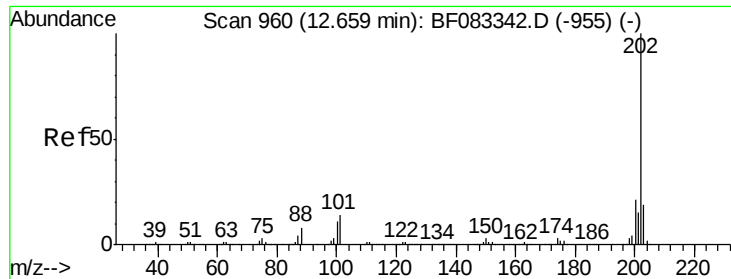
Acq: 2 Dec 2015 20:48

Tgt Ion:	178	Resp:	211006
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.6	23.4
179	15.0	12.8	19.2



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





#74

Fluoranthene

Concen: 29.13 ng

RT: 12.64 min Scan# 958

Delta R.T. -0.02 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

Instrument :

BNA_F

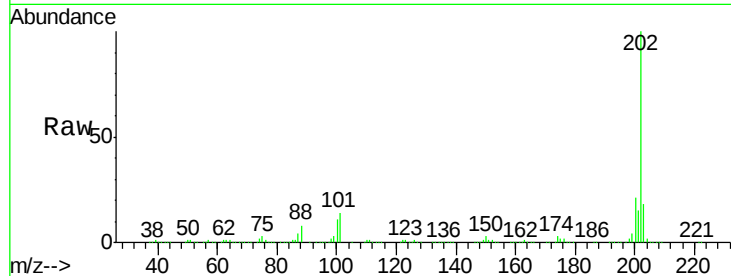
ClientSampleId :

SB-P3WC-13(8-11.8)

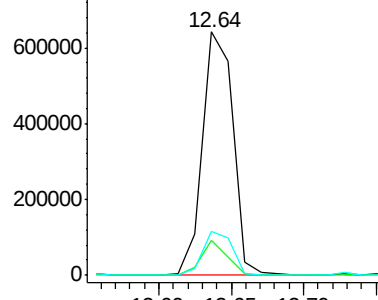
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		934171		
101	14.3	0.0	34.5		
203	18.0	0.0	38.7		

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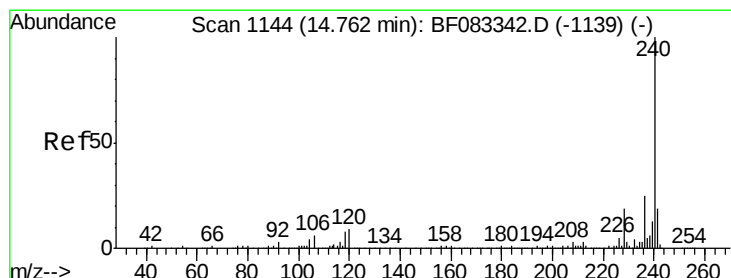
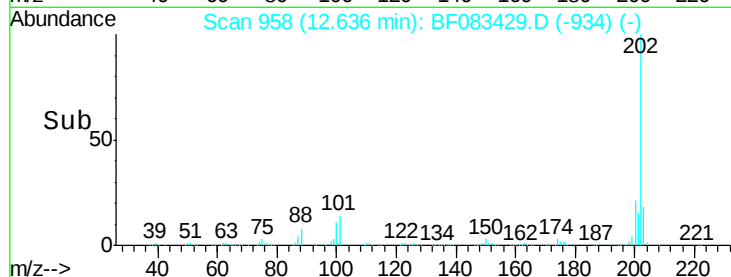
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

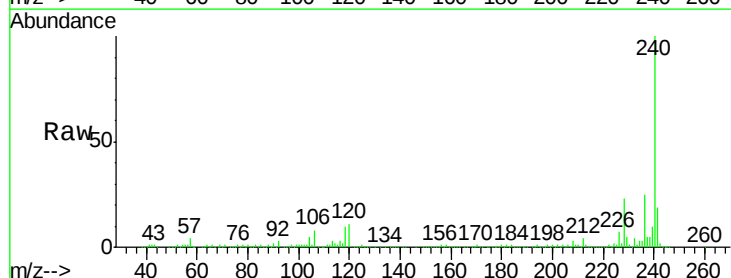
RT: 14.73 min Scan# 1141

Delta R.T. -0.03 min

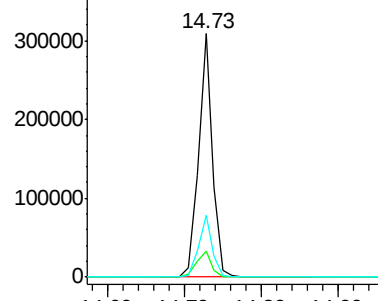
Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

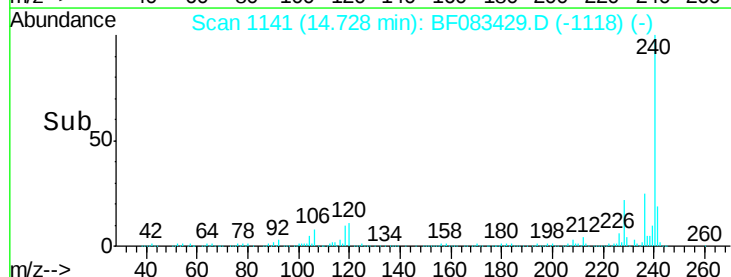
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		398900		
120	10.9	6.9	10.3#		
236	25.4	19.8	29.6		

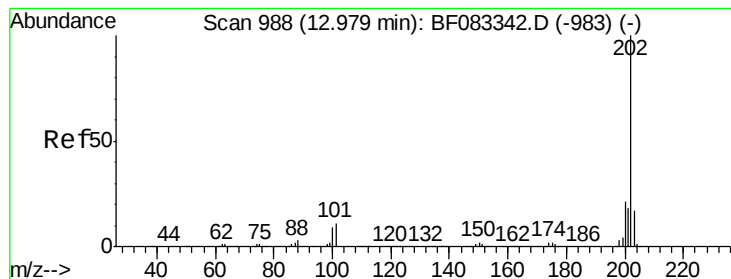


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pvrene

Concen: 35.01 ng

RT: 12.96 min Scan# 986

Delta R.T. -0.02 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

Instrument :

BNA_F

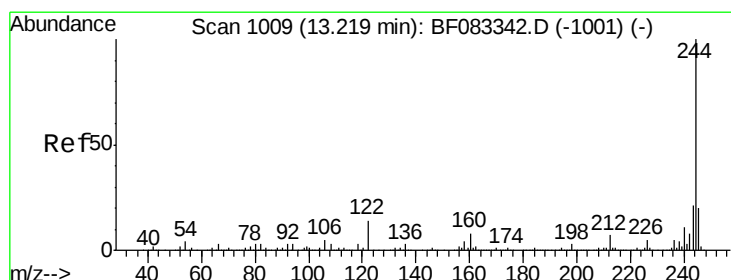
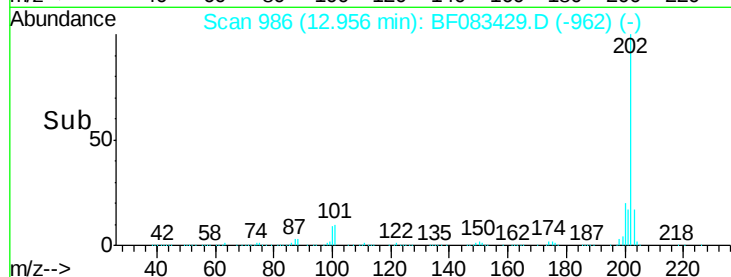
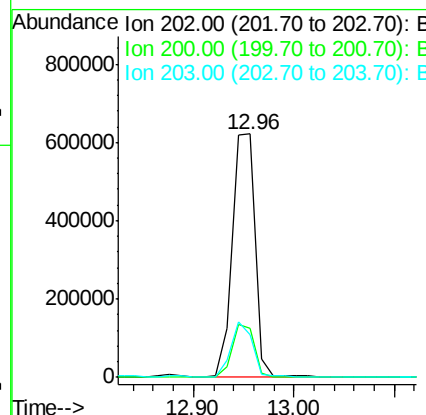
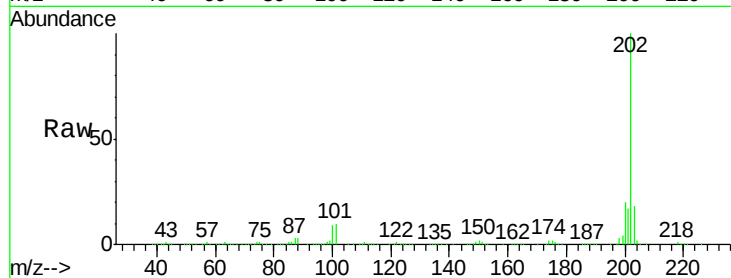
ClientSampleId :

SB-P3WC-13(8-11.8)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.9	25.3
203	17.6	13.9	20.9

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#78

Terphenyl-d14

Concen: 105.90 ng

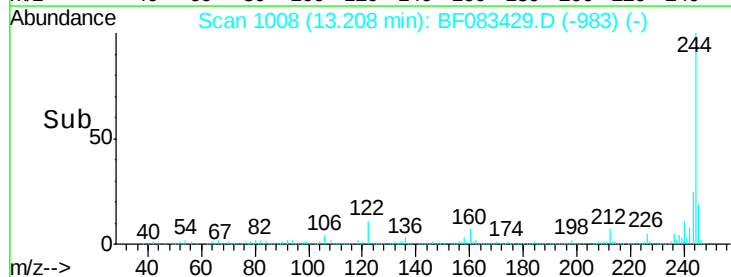
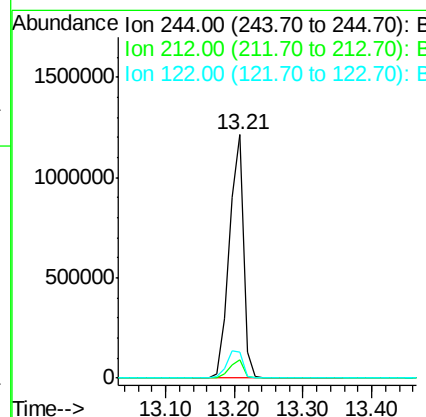
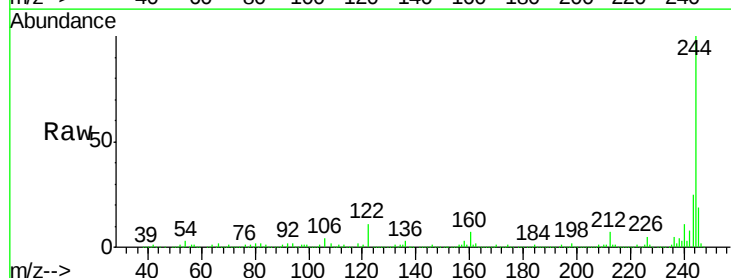
RT: 13.21 min Scan# 1008

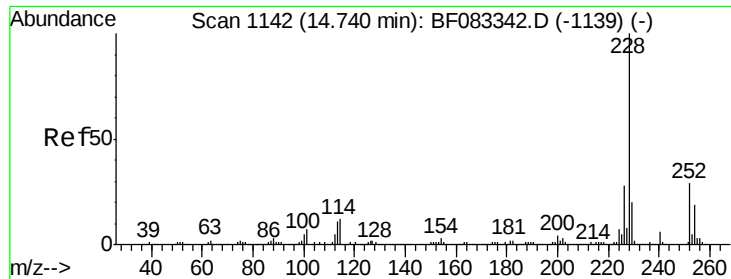
Delta R.T. -0.01 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	10.6	11.0	16.4#





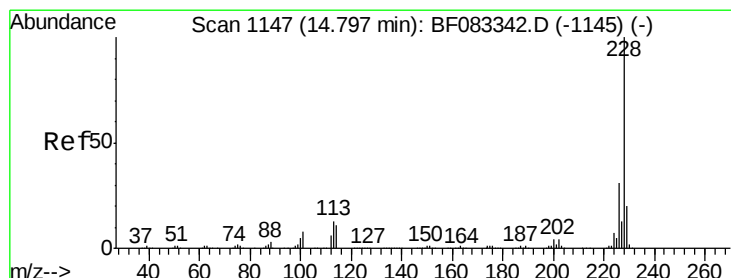
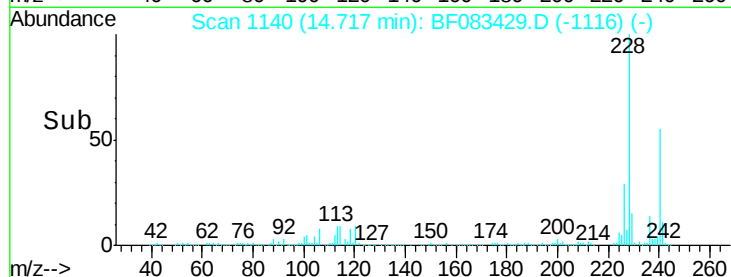
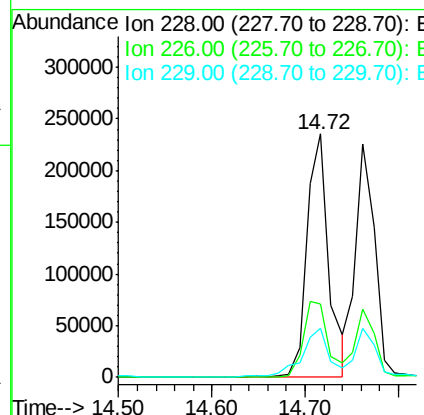
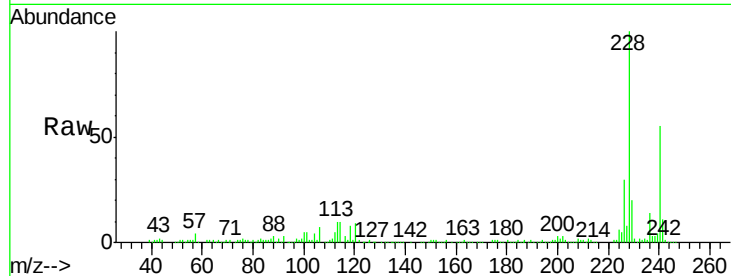
#80
Benzo(a)anthracene
Concen: 16.08 ng
RT: 14.72 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF083429.D
Acq: 2 Dec 2015 20:48

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(8-11.8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.2	33.4
229	20.0	16.1	24.1

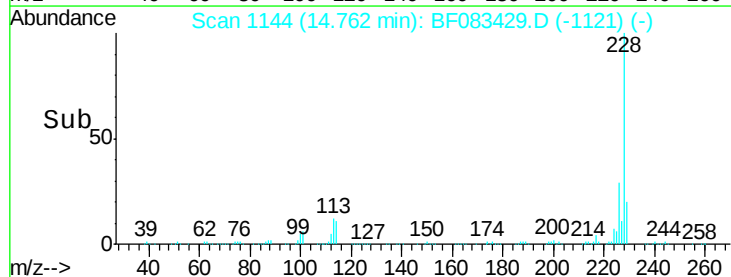
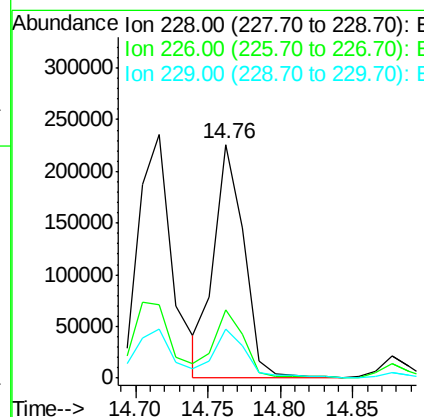
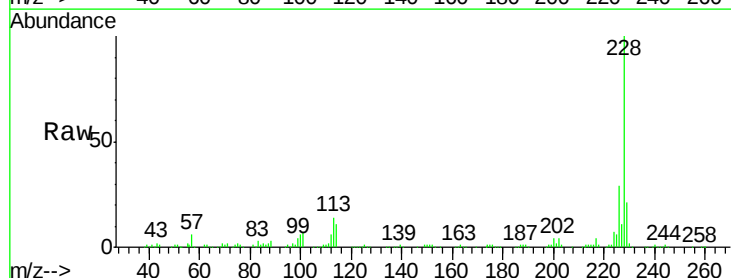
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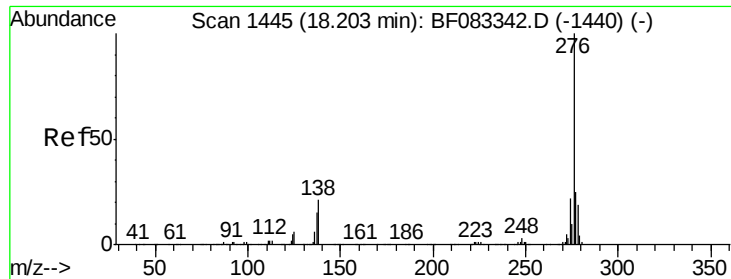
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#82
Chrysene
Concen: 13.76 ng
RT: 14.76 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF083429.D
Acq: 2 Dec 2015 20:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	37.0
229	21.0	16.2	24.2





#85

Indeno(1,2,3-cd)pyrene

Concen: 8.27 ng

RT: 18.17 min Scan# 1442

Delta R.T. -0.03 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

Instrument :

BNA_F

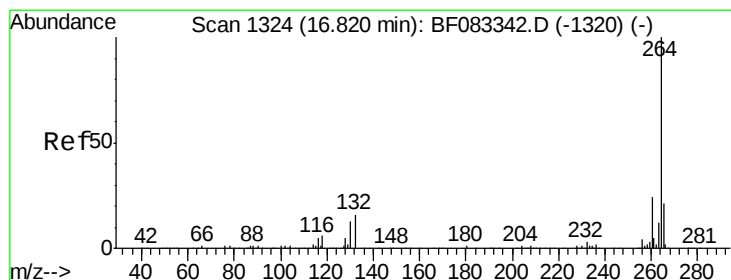
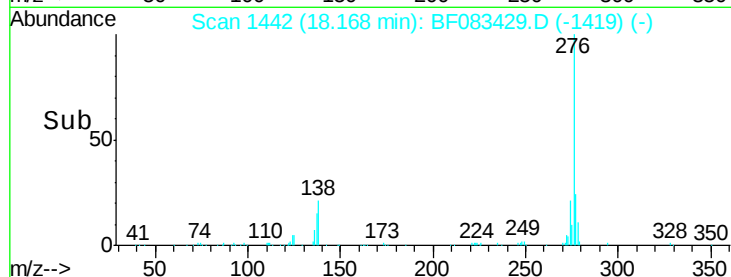
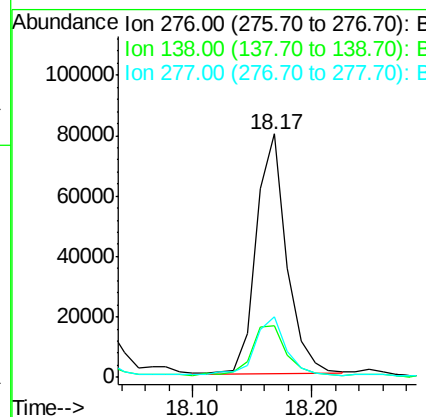
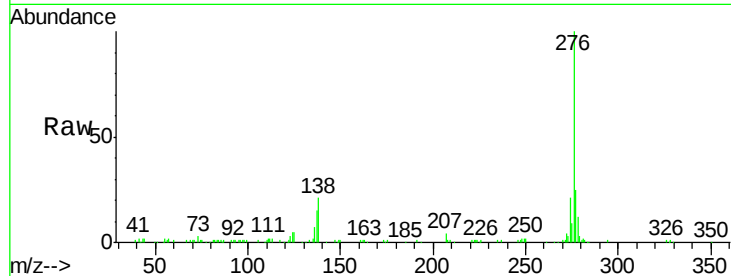
ClientSampleId :

SB-P3WC-13(8-11.8)

Tot Ion:	276	Resp:	142221
Ion Ratio	Lower	Upper	
276	100		
138	24.9	21.2	31.8
277	25.1	20.0	30.0

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng

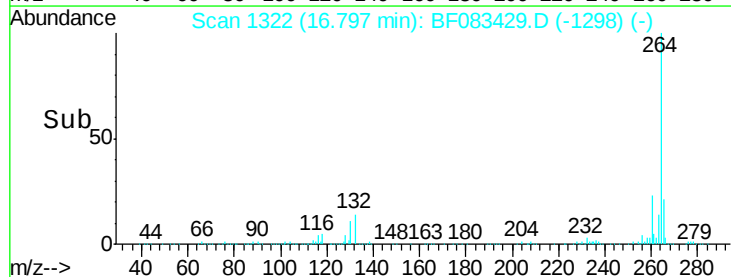
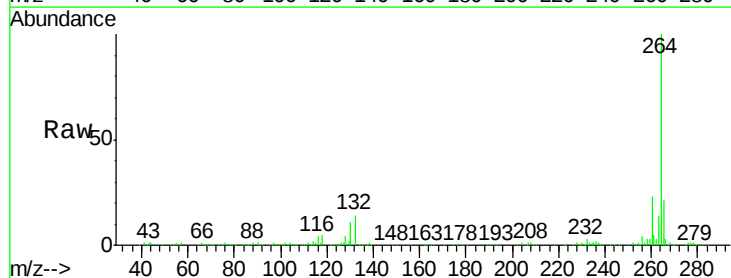
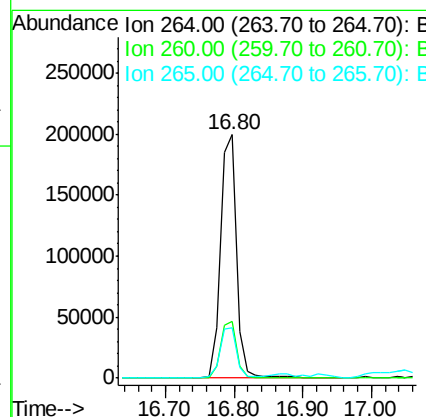
RT: 16.80 min Scan# 1322

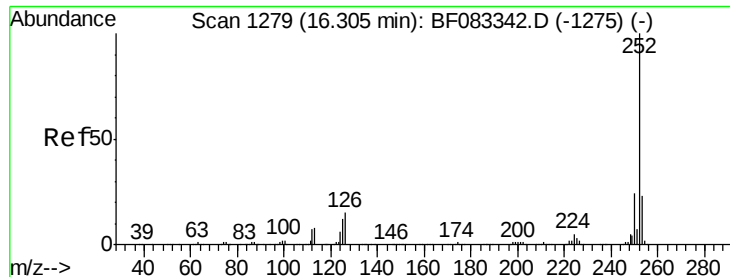
Delta R.T. -0.02 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

Tgt Ion:	264	Resp:	330476
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.0	28.4
265	20.7	16.8	25.2





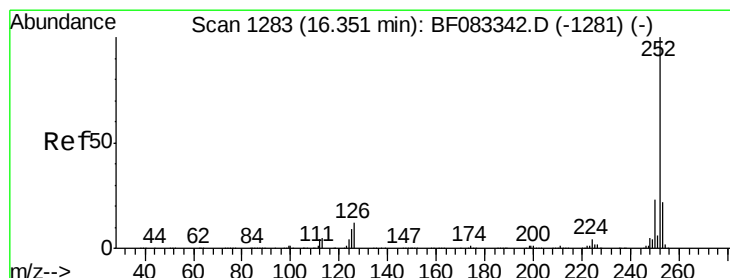
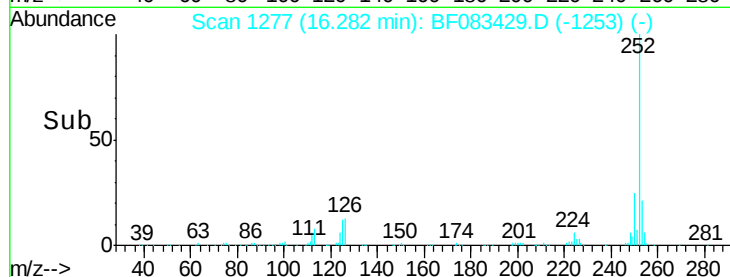
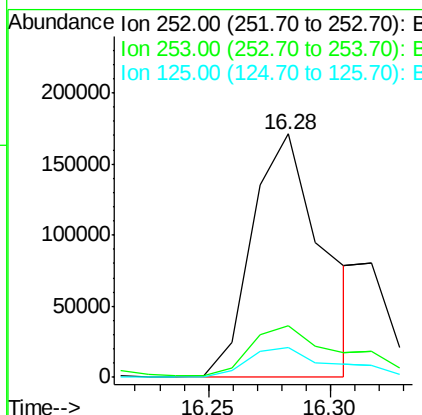
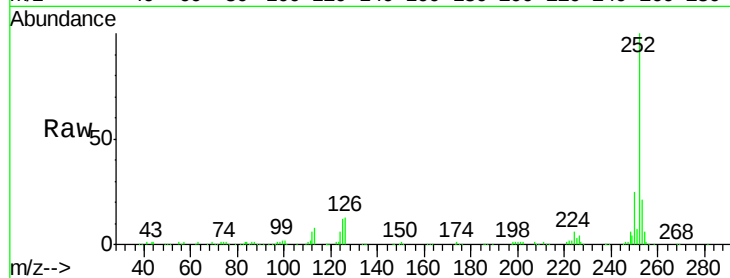
#87
Benzo(b)fluoranthene
Concen: 16.38 ng m
RT: 16.28 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF083429.D
Acq: 2 Dec 2015 20:48

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(8-11.8)

Manual Integrations
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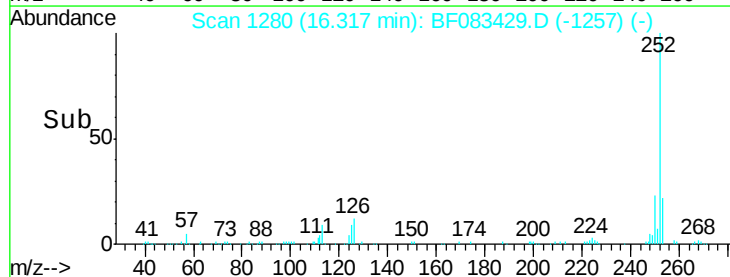
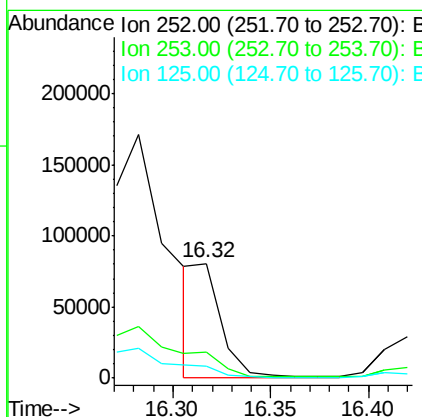
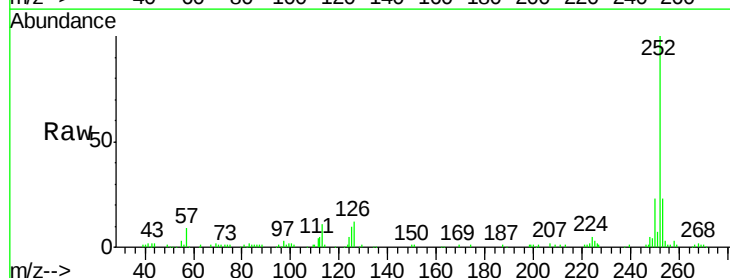
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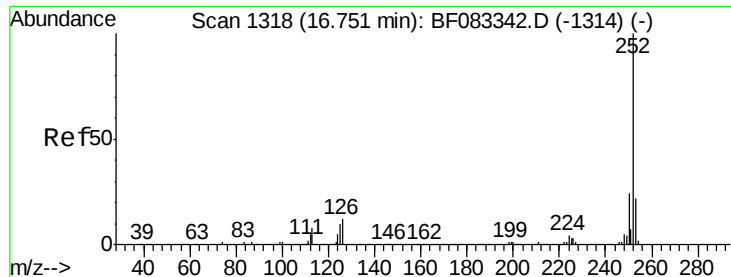
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	18.4	27.6
125	12.3	9.6	14.4



#88
Benzo(k)fluoranthene
Concen: 3.83 ng m
RT: 16.32 min Scan# 1280
Delta R.T. -0.03 min
Lab File: BF083429.D
Acq: 2 Dec 2015 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	9.9	7.5	11.3





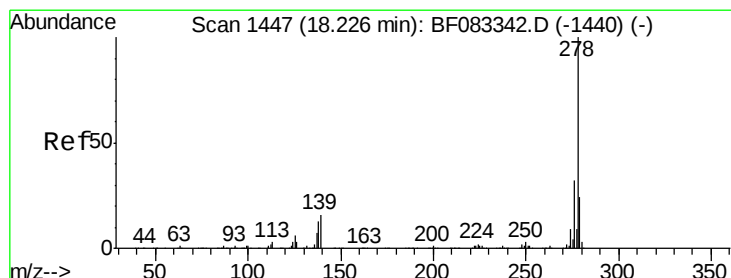
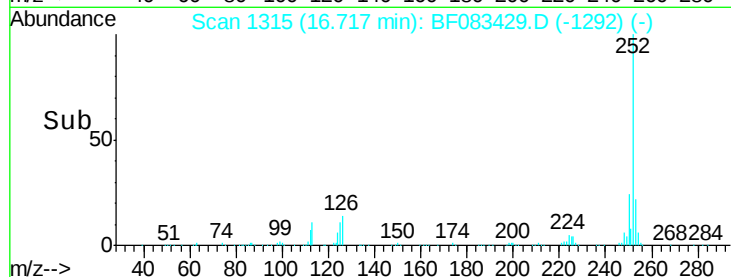
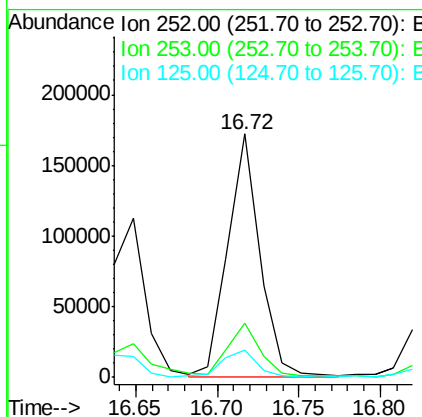
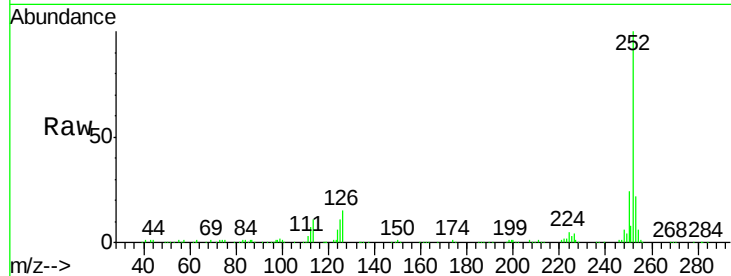
#89
Benzo(a)pyrene
Concen: 12.82 ng
RT: 16.72 min Scan# 1315
Delta R.T. -0.03 min
Lab File: BF083429.D
Acq: 2 Dec 2015 20:48

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(8-11.8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.2	7.8	11.8

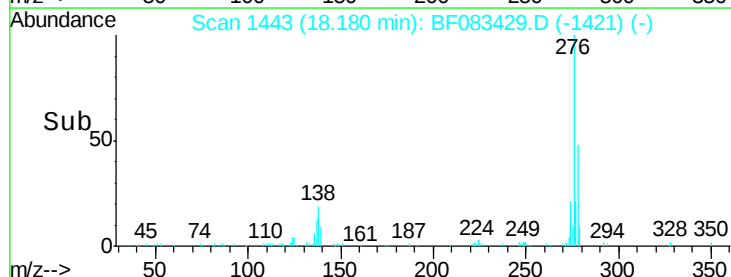
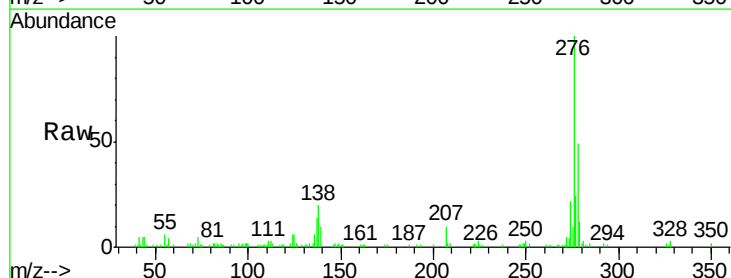
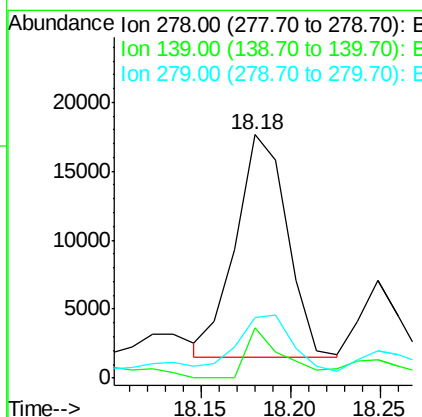
Manual Integrations
APPROVED

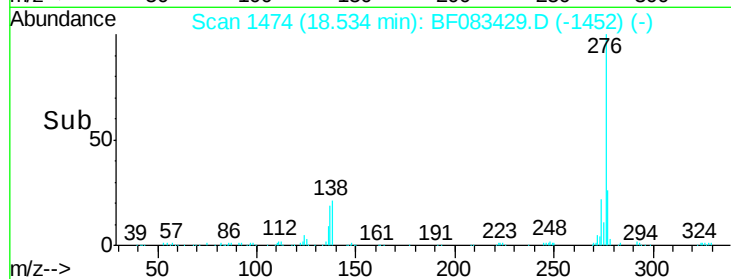
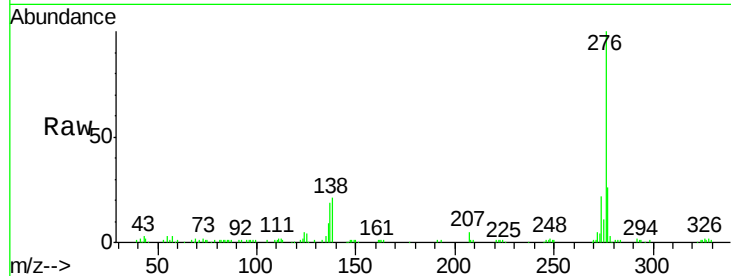
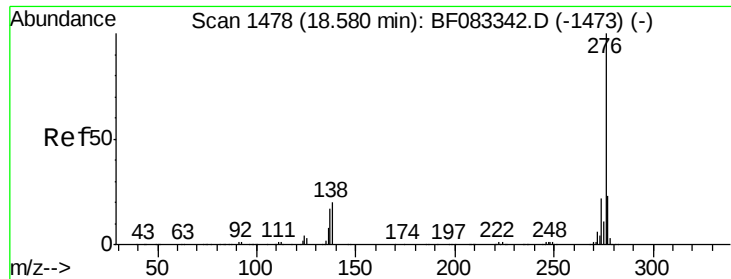
Mmdadoda
12/3/2015 7:09:46 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.02 ng m
RT: 18.18 min Scan# 1443
Delta R.T. -0.05 min
Lab File: BF083429.D
Acq: 2 Dec 2015 20:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.4	13.1	19.7#
279	24.9	19.2	28.8





#91

Benzo(a,h,i)perylene

Concen: 9.54 ng

RT: 18.53 min Scan# 1474

Delta R.T. -0.05 min

Lab File: BF083429.D

Acq: 2 Dec 2015 20:48

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(8-11.8)

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	26.2	18.6	28.0	
138	21.2	16.1	24.1	

Manual Integrations
APPROVED

Mmdadoda
12/3/2015 7:09:46 PM

