

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
 Data File : BF083445.D
 Acq On : 3 Dec 2015 5:52
 Operator : UM/IZ
 Sample : G4583-07
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-07(0-8)

Manual Integrations
 APPROVED

Mmdadoda
 12/3/2015 7:10:04 PM

Quant Time: Dec 03 10:57:52 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	139115	20.00	ng	-0.01
21) Naphthalene-d8	7.82	136	543664	20.00	ng	-0.01
38) Acenaphthene-d10	9.57	164	275457	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	457121	20.00	ng	-0.02
75) Chrysene-d12	14.73	240	335558	20.00	ng	-0.03
86) Perylene-d12	16.80	264	330662	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	1398526	150.85	ng	0.00
7) Phenol-d6	6.21	99	1852490	145.99	ng	-0.01
23) Nitrobenzene-d5	7.12	82	1329886	107.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.36	330	347606	125.71	ng	-0.02
44) 2-Fluorobiphenyl	8.91	172	1764159	91.27	ng	-0.01
78) Terphenyl-d14	13.21	244	1423476	101.17	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.85	128	81738	2.77	ng	97
48) Acenaphthylene	9.44	152	158894	5.41	ng	97
49) Dimethylphthalate	9.31	163	246962	11.03	ng	98
70) Phenanthrene	11.14	178	432200	15.98	ng	100
71) Anthracene	11.20	178	106352	3.91	ng	99
74) Fluoranthene	12.65	202	717107	25.57	ng	92
77) Pyrene	12.96	202	1125857	48.04	ng	99
80) Benzo(a)anthracene	14.72	228	668636m	32.52	ng	
82) Chrysene	14.77	228	698249	35.15	ng	98
83) Bis(2-ethylhexyl)phthalate	14.85	149	60833	4.56	ng	# 97
85) Indeno(1,2,3-cd)pyrene	18.18	276	462852	32.00	ng	94
87) Benzo(b)fluoranthene	16.29	252	1033391m	48.71	ng	
88) Benzo(k)fluoranthene	16.33	252	246485m	12.30	ng	
89) Benzo(a)pyrene	16.73	252	442048	24.26	ng	98
90) Dibenzo(a,h)anthracene	18.19	278	108846	6.85	ng	99
91) Benzo(g,h,i)perylene	18.56	276	479040	30.74	ng	98

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

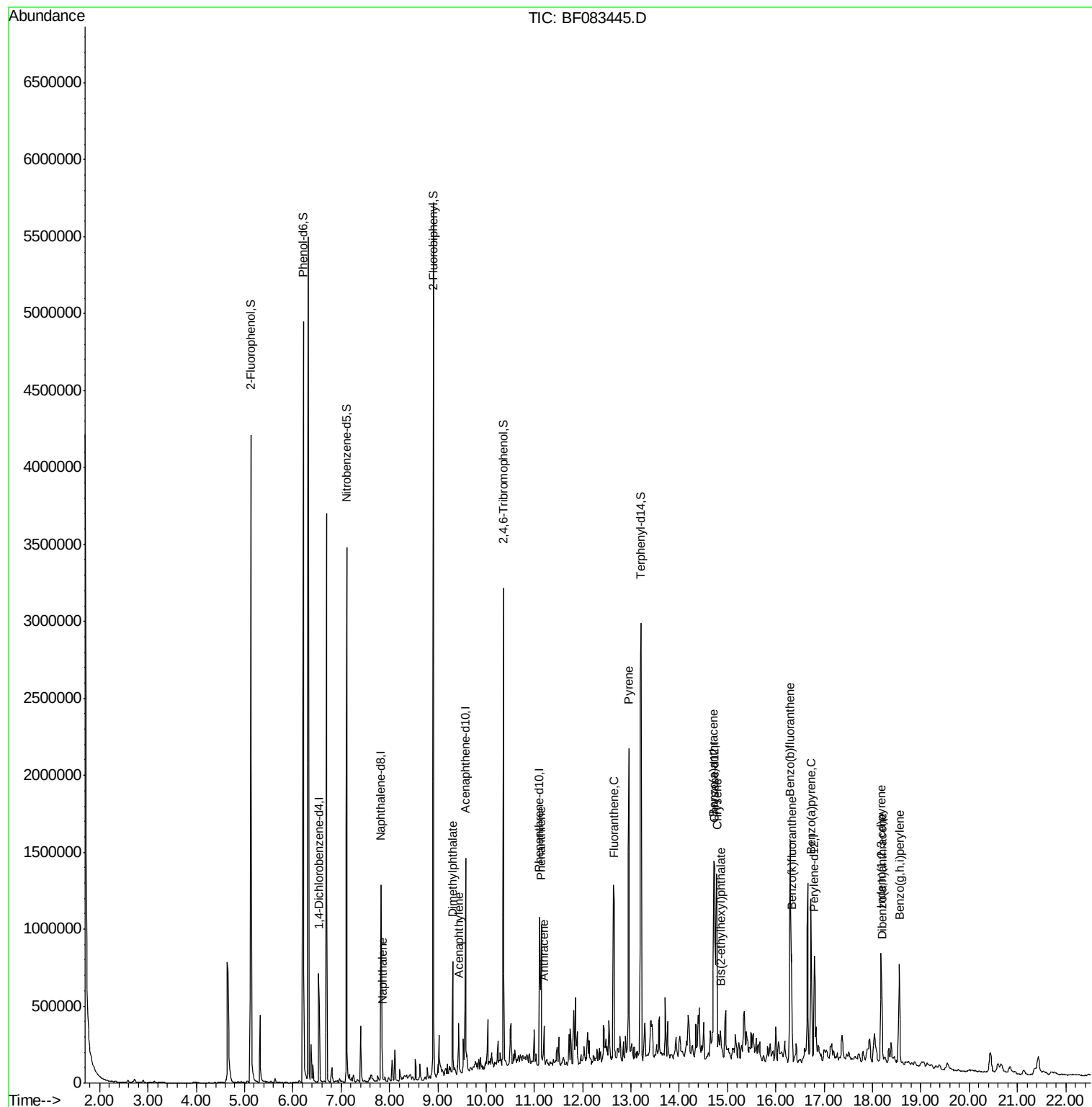
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120215\
Data File : BF083445.D
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Operator : UM/IZ
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Misc :
ALS Vial : 32 Sample Multiplier: 1

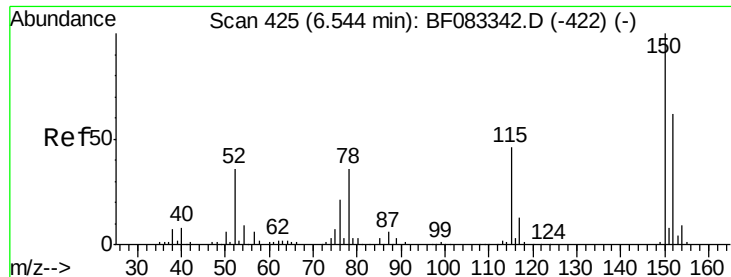
Instrument :
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SB-P3WC-07(0-8)

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Quant Time: Dec 03 10:57:52 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
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#1

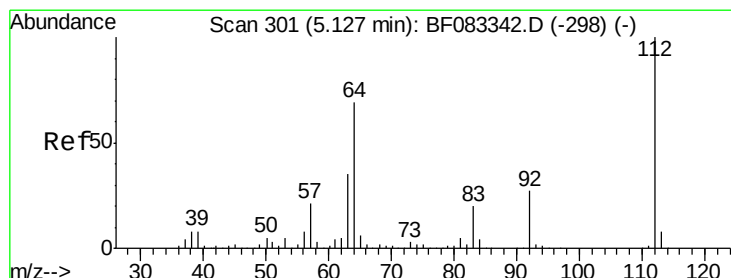
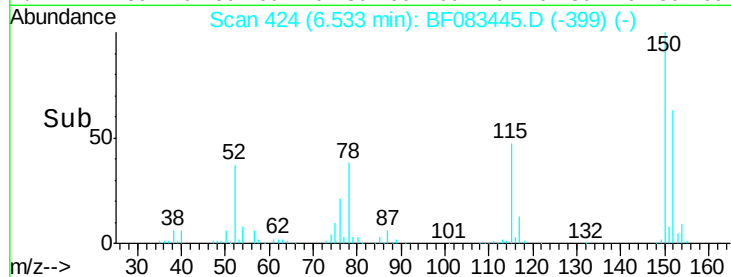
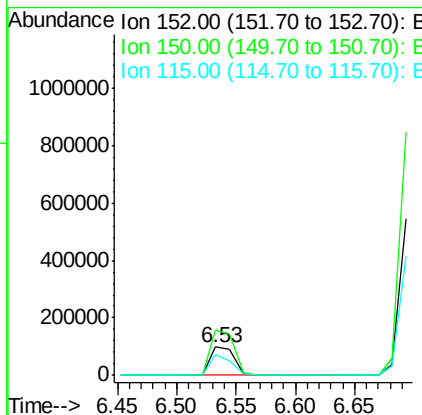
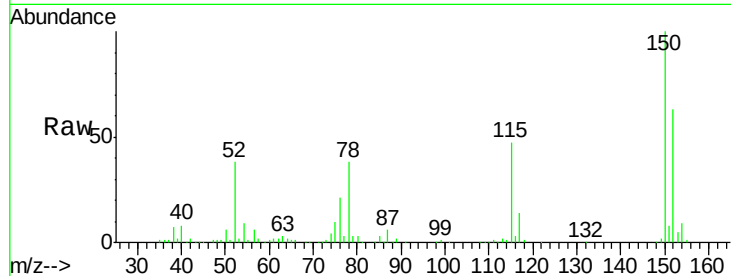
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.53 min Scan# 424
Delta R.T. -0.01 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-07(0-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	129.8	194.8
115	74.3	59.2	88.8

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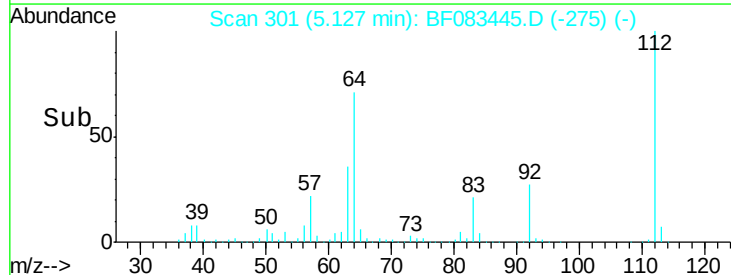
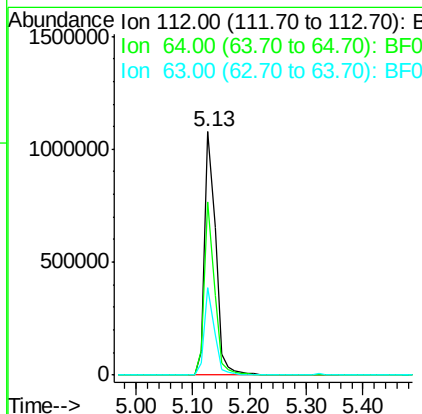
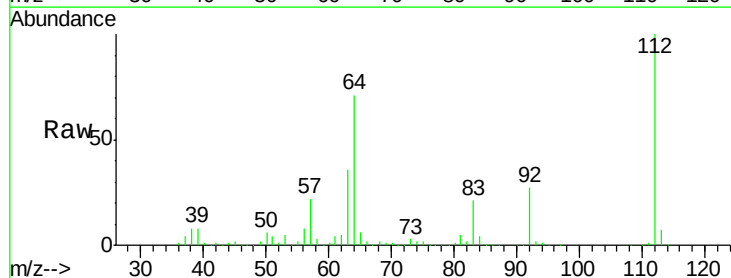
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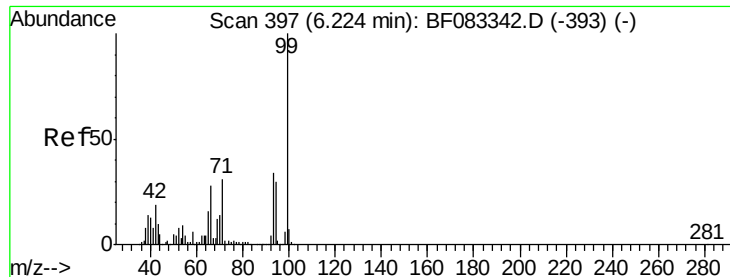


#5

2-Fluorophenol
Concen: 150.85 ng
RT: 5.13 min Scan# 301
Delta R.T. -0.00 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.4	55.6	83.4
63	36.1	28.2	42.2





#7

Phenol-d6

Concen: 145.99 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-07(0-8)

Tot Ion: 99 Resp: 1852490

Ion Ratio Lower Upper

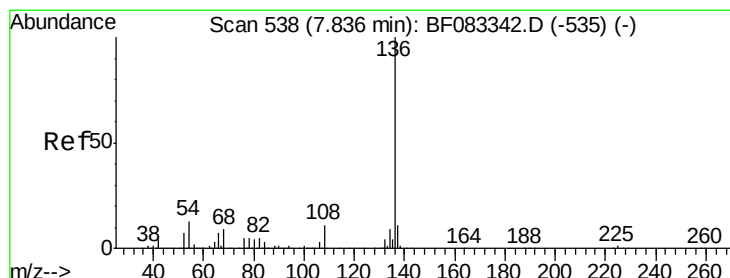
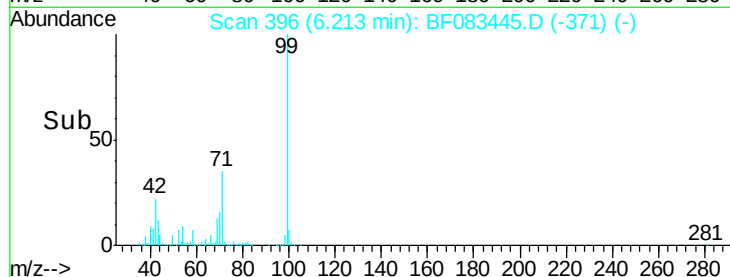
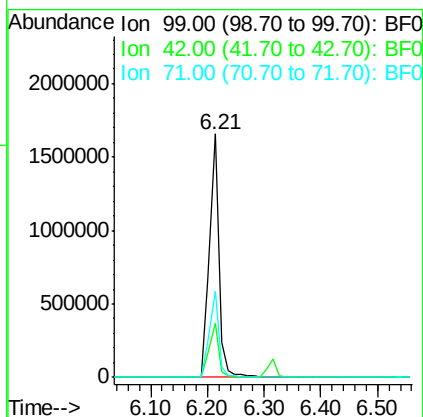
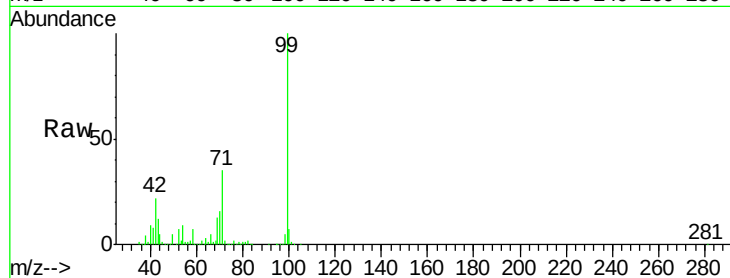
99 100

42 22.2 14.9 22.3

71 35.1 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: BF083445.D

Acq: 3 Dec 2015 5:52

Tgt Ion: 136 Resp: 543664

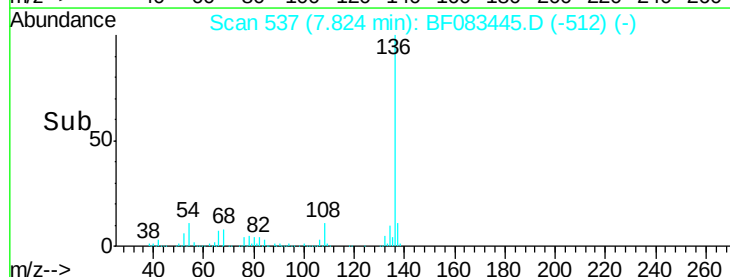
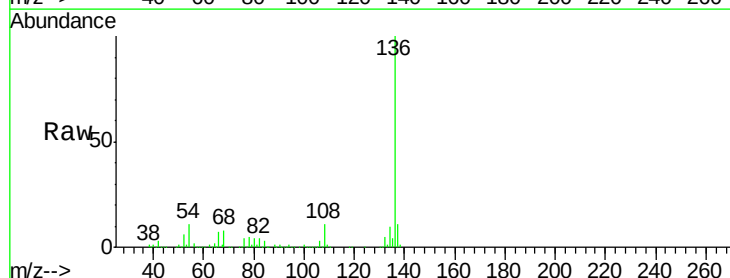
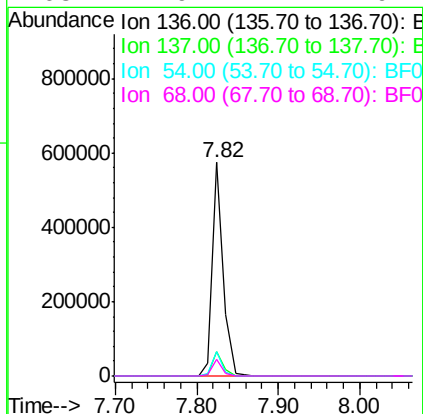
Ion Ratio Lower Upper

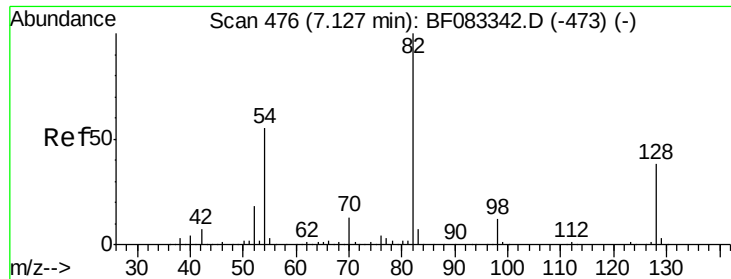
136 100

137 11.3 9.0 13.4

54 11.3 10.1 15.1

68 7.9 7.1 10.7





#23

Nitrobenzene-d5

Concen: 107.53 ng

RT: 7.12 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-07(0-8)

Tot Ion: 82 Resp: 1329886

Ion Ratio Lower Upper

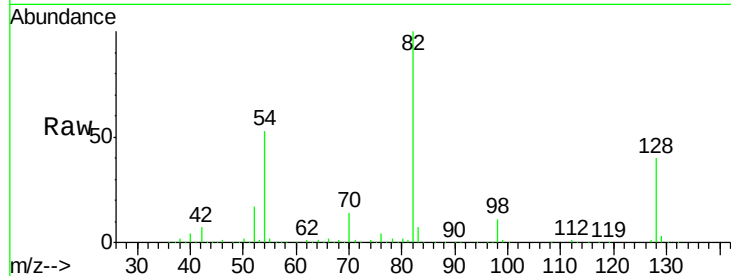
82 100

128 39.6 30.6 46.0

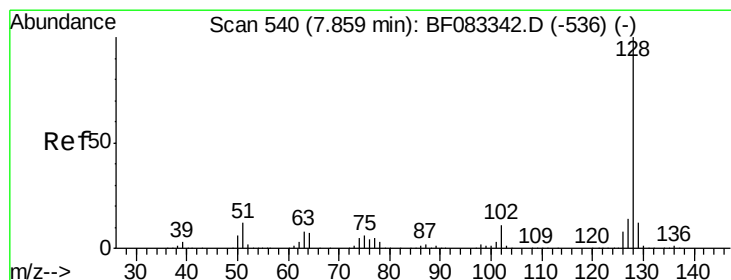
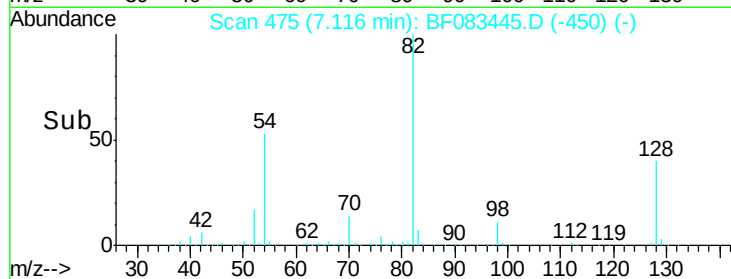
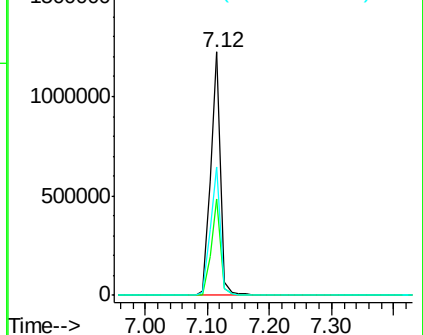
54 52.5 43.8 65.6

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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: 2.77 ng

RT: 7.85 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

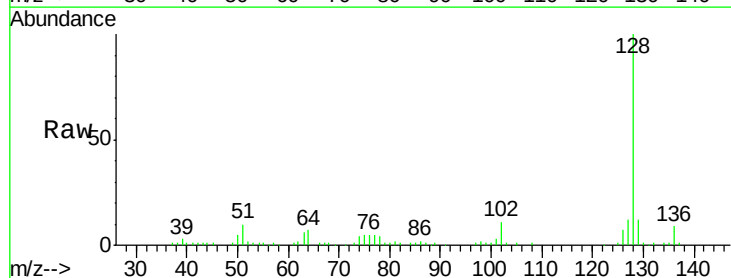
Tgt Ion: 128 Resp: 81738

Ion Ratio Lower Upper

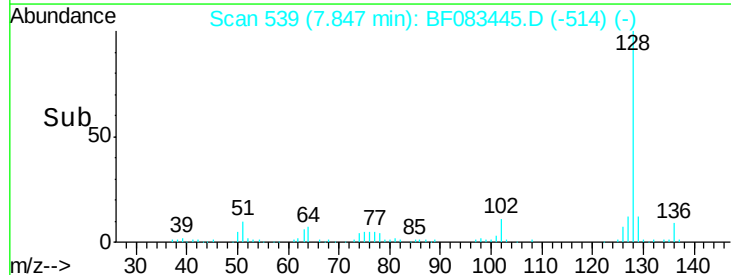
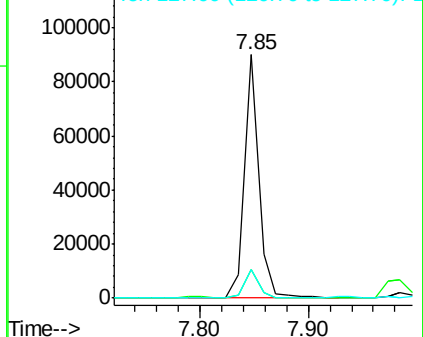
128 100

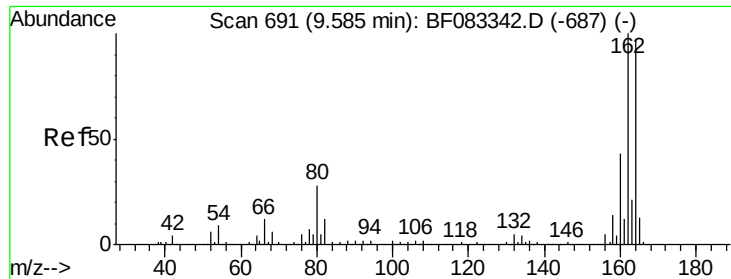
129 11.7 9.7 14.5

127 11.9 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: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

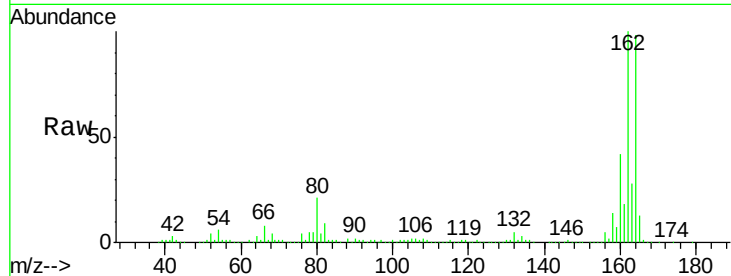
ClientSampleId :

SB-P3WC-07(0-8)

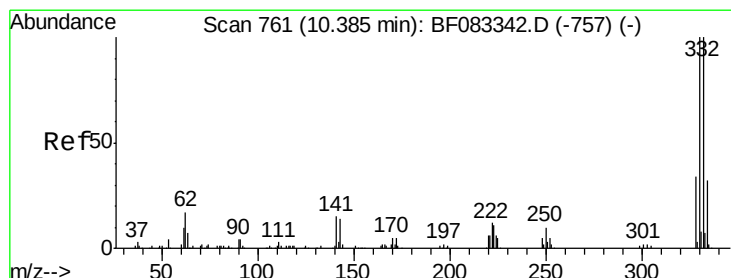
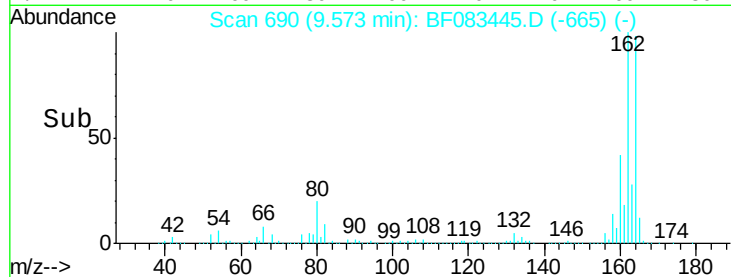
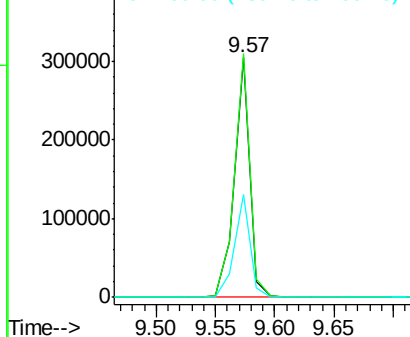
Tot Ion:	164	Resp:	275457
Ion Ratio	Lower	Upper	
164	100		
162	101.8	82.6	123.8
160	43.1	35.3	52.9

Manual Integrations
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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: 125.71 ng

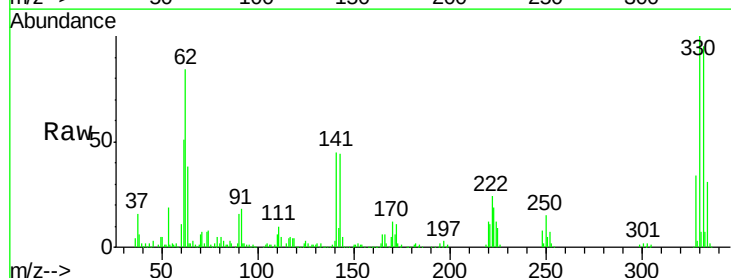
RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

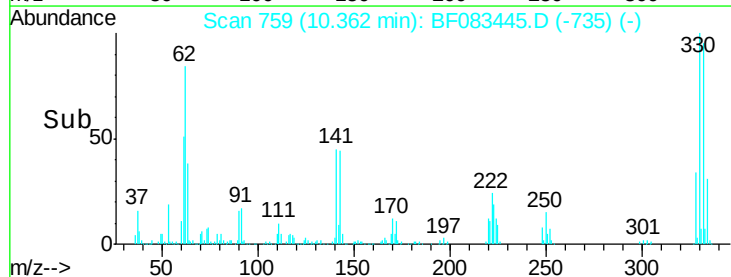
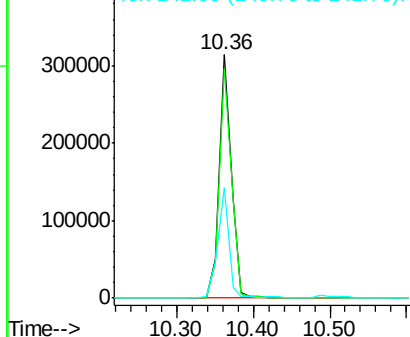
Lab File: BF083445.D

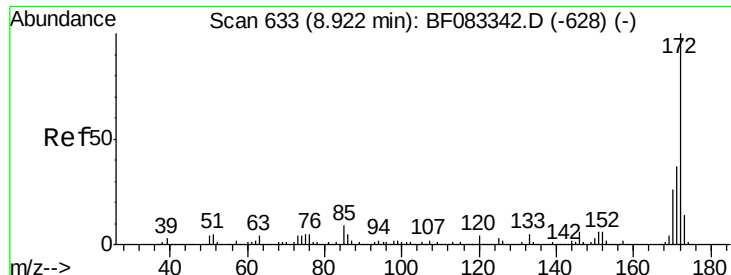
Acq: 3 Dec 2015 5:52

Tgt Ion:	330	Resp:	347606
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.8	116.6
141	40.8	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





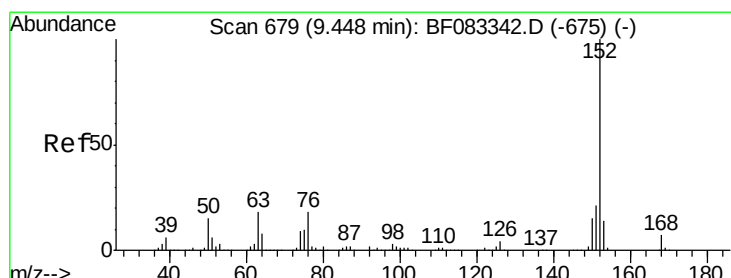
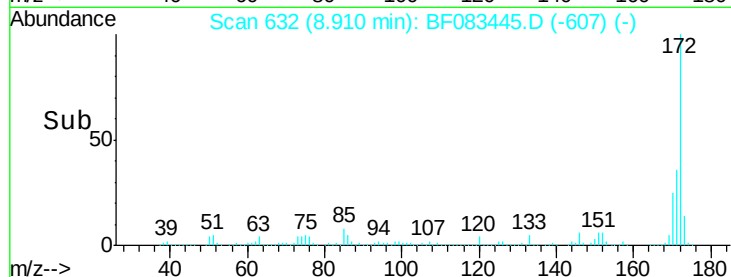
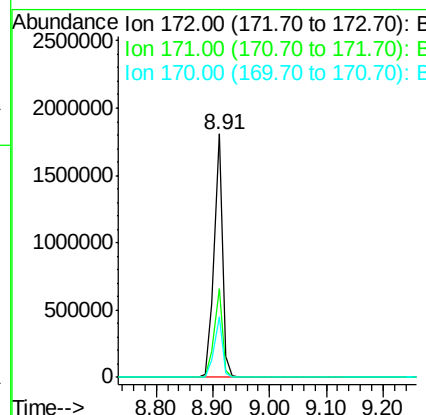
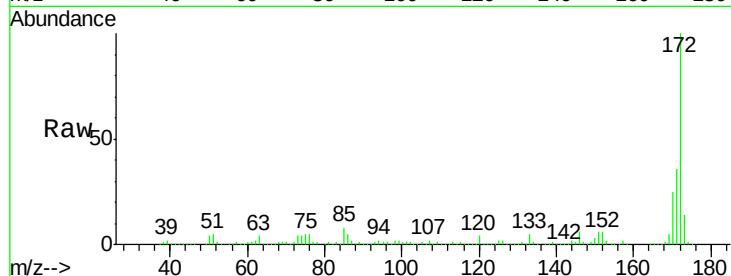
#44
2-Fluorobiphenyl
Concen: 91.27 ng
RT: 8.91 min Scan# 632
Delta R.T. -0.01 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-07(0-8)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	25.0	20.4	30.6

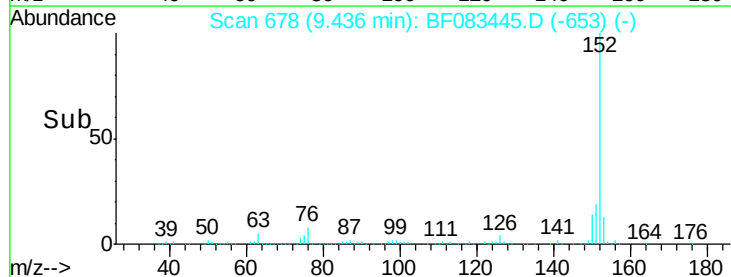
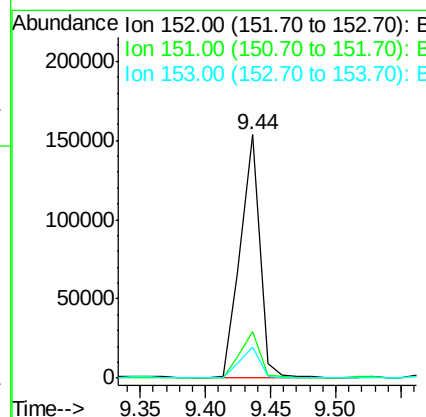
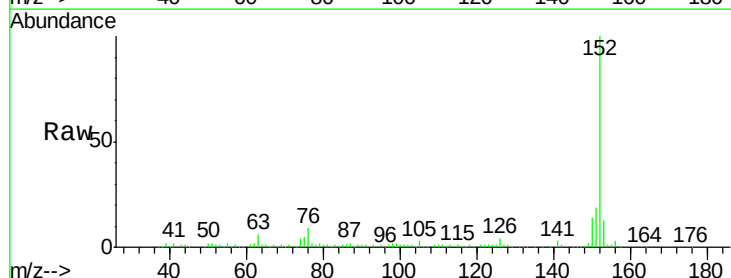
Manual Integrations
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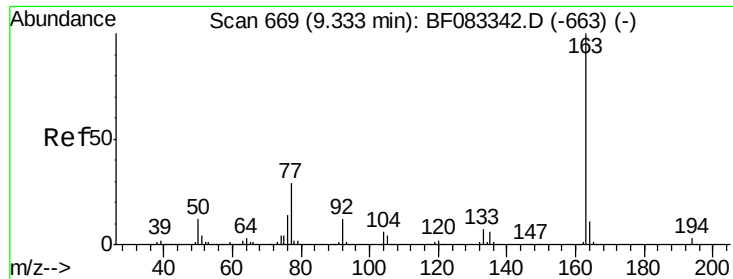
Mmdadoda
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#48
Acenaphthylene
Concen: 5.41 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.7	25.1
153	12.9	11.2	16.8





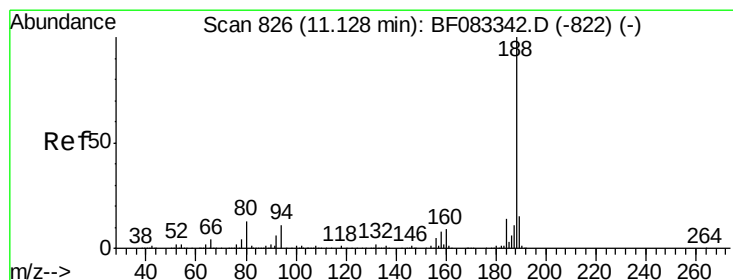
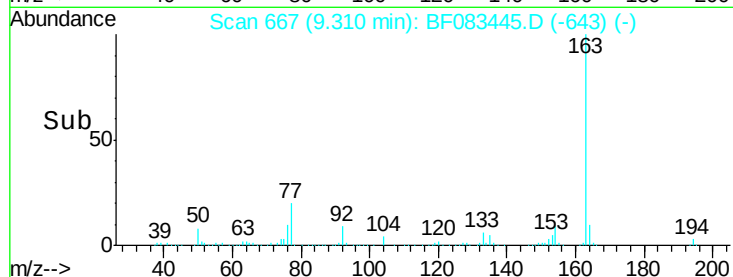
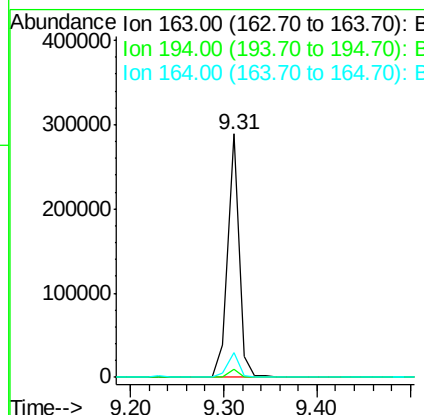
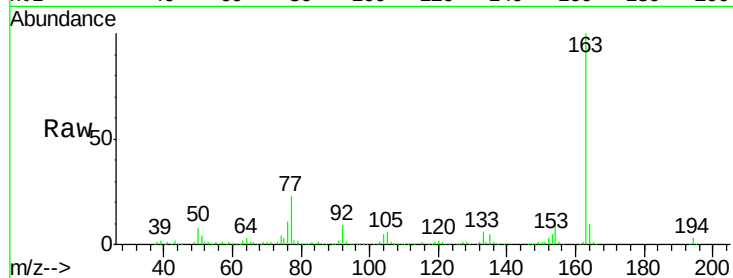
#49
Dimethylphthalate
Concen: 11.03 ng
RT: 9.31 min Scan# 667
Delta R.T. -0.02 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-07(0-8)

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

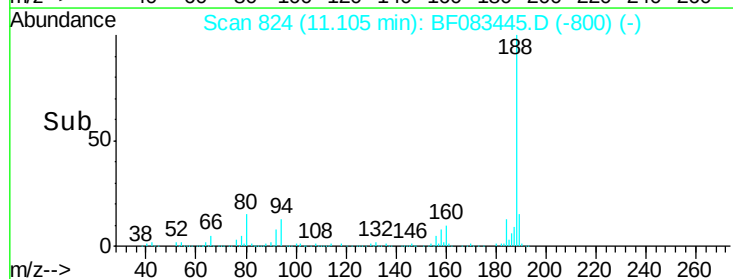
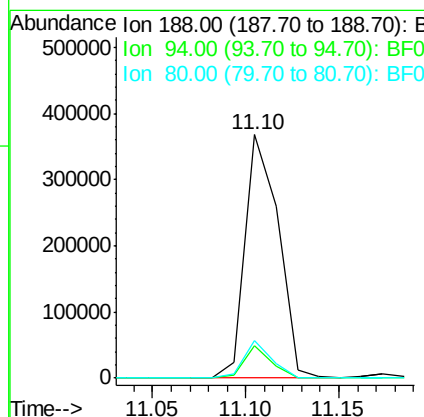
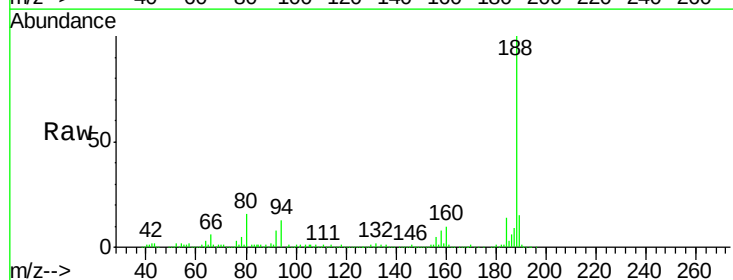
Manual Integrations
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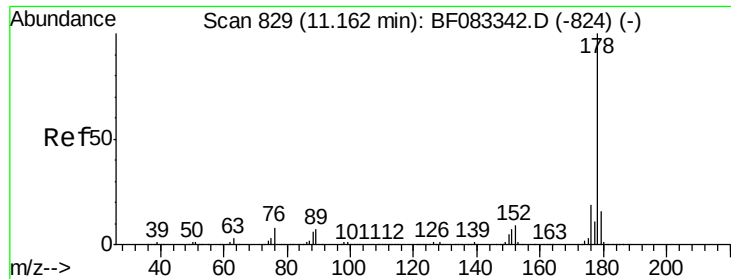
Mmdadoda
12/3/2015 7:10:04 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	13.4	8.7	13.1#
80	15.6	10.3	15.5#





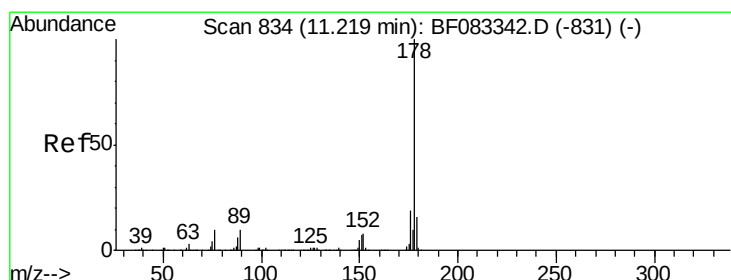
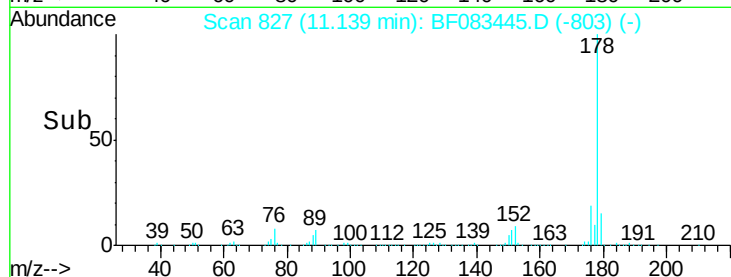
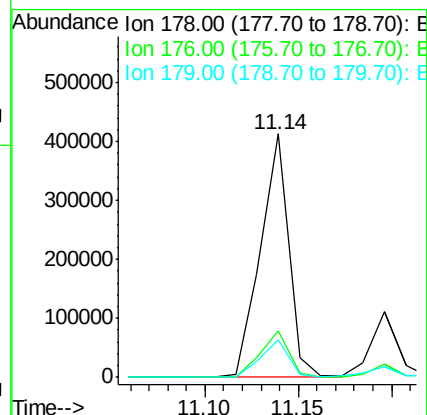
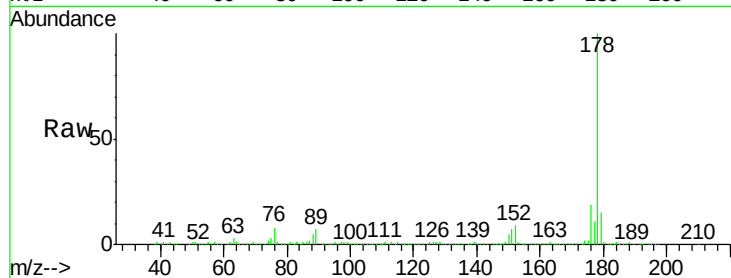
#70
Phenanthrene
Concen: 15.98 ng
RT: 11.14 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-07(0-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.5	12.4	18.6

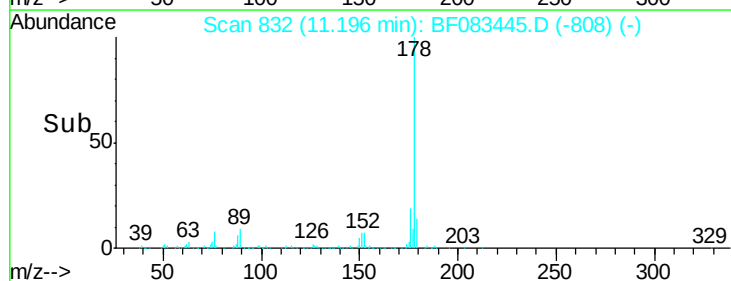
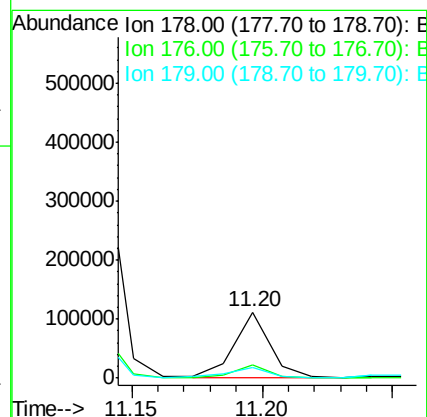
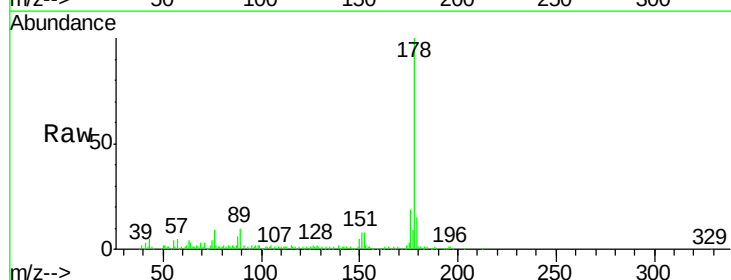
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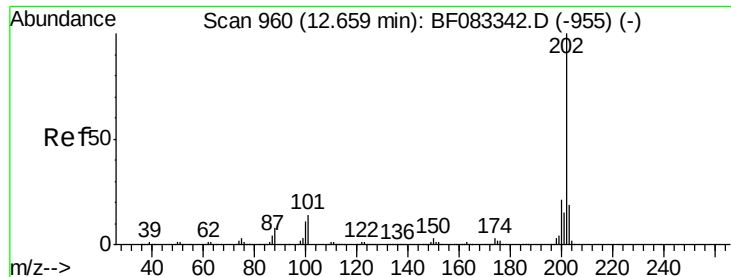
Mmdadoda
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#71
Anthracene
Concen: 3.91 ng
RT: 11.20 min Scan# 832
Delta R.T. -0.02 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.3	12.8	19.2





#74

Fluoranthene

Concen: 25.57 ng

RT: 12.65 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

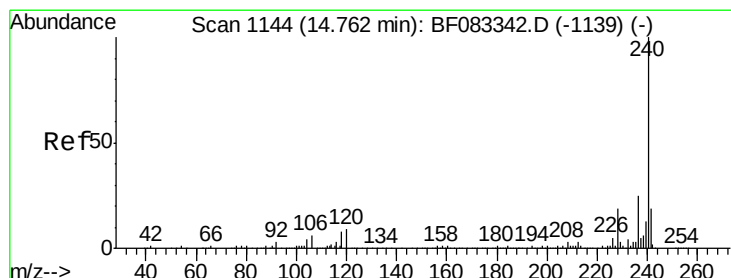
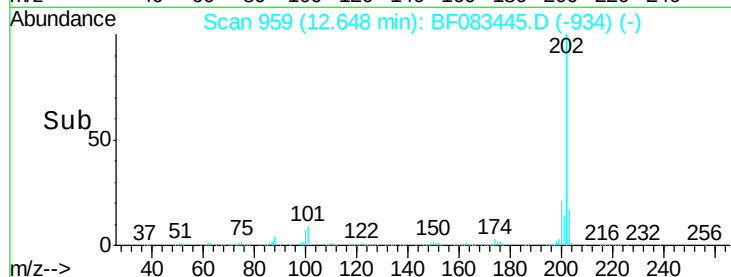
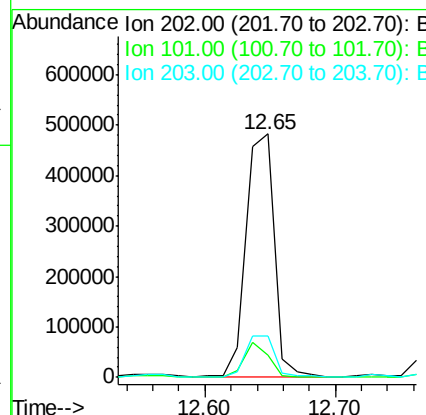
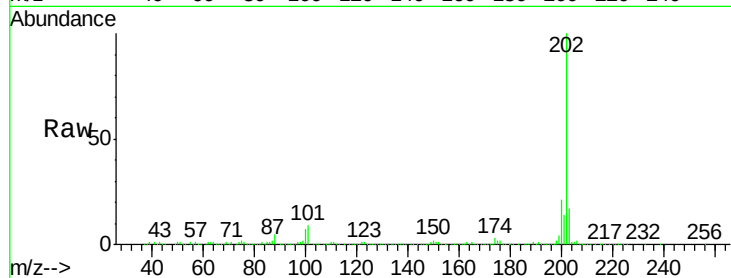
ClientSampleId :

SB-P3WC-07(0-8)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.2	0.0	34.5
203	17.1	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

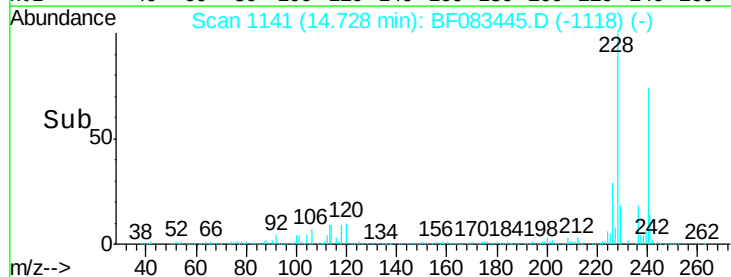
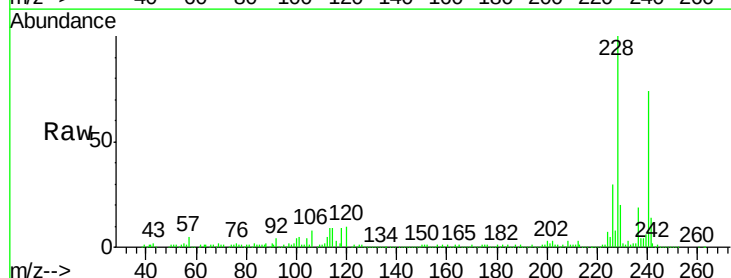
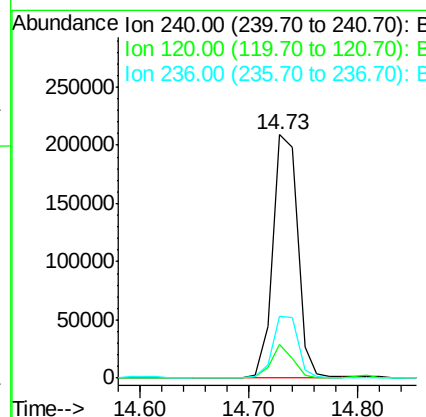
RT: 14.73 min Scan# 1141

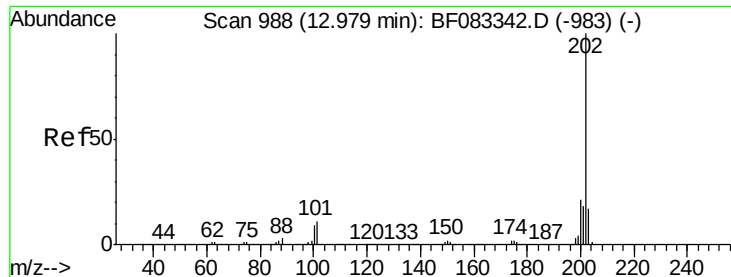
Delta R.T. -0.03 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.6	6.9	10.3#
236	25.3	19.8	29.6





#77

Pvrene

Concen: 48.04 ng

RT: 12.96 min Scan# 986

Delta R.T. -0.02 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

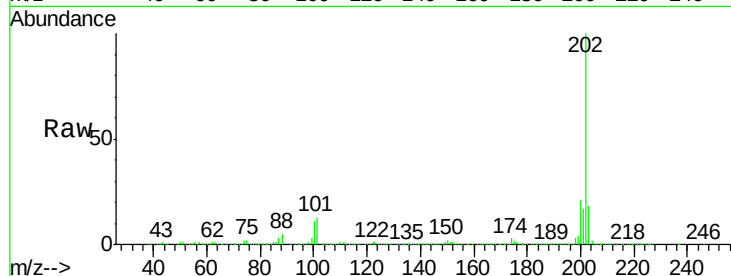
ClientSampleId :

SB-P3WC-07(0-8)

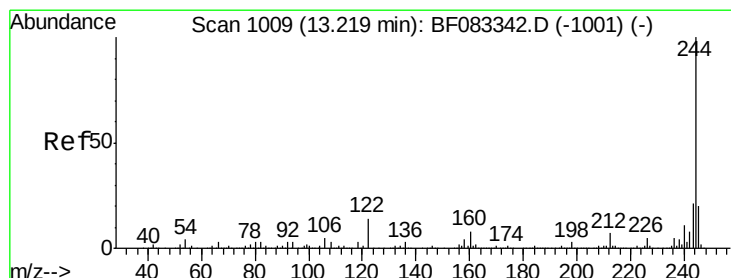
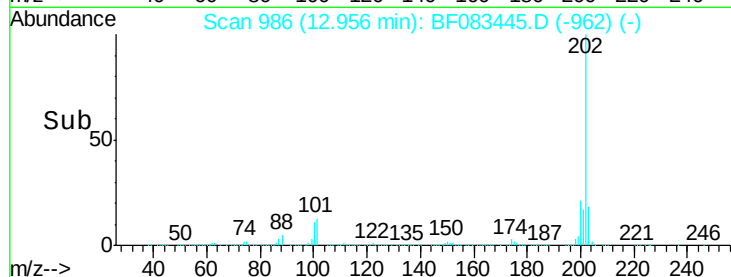
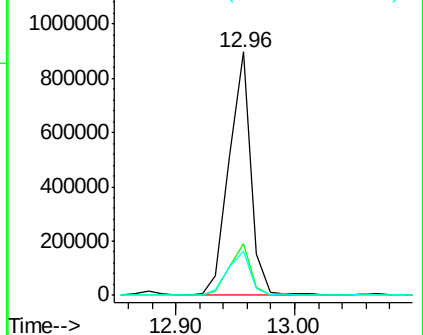
Tot Ion:	202	Resp:	1125857
Ion Ratio	Lower	Upper	
202	100		
200	21.4	16.9	25.3
203	18.0	13.9	20.9

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 101.17 ng

RT: 13.21 min Scan# 1008

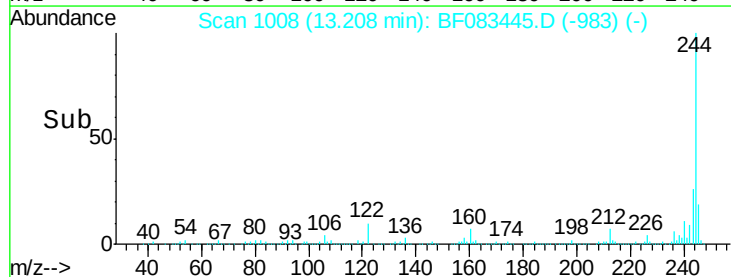
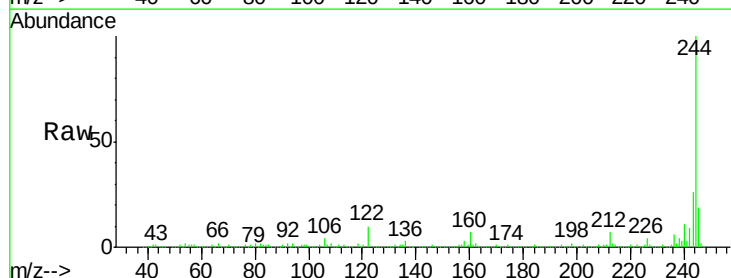
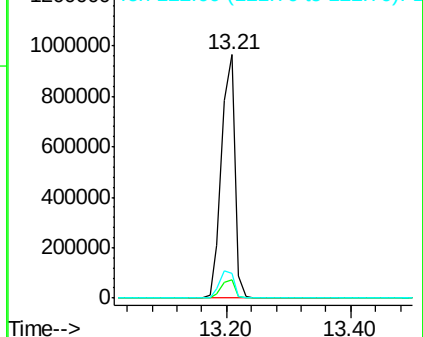
Delta R.T. -0.01 min

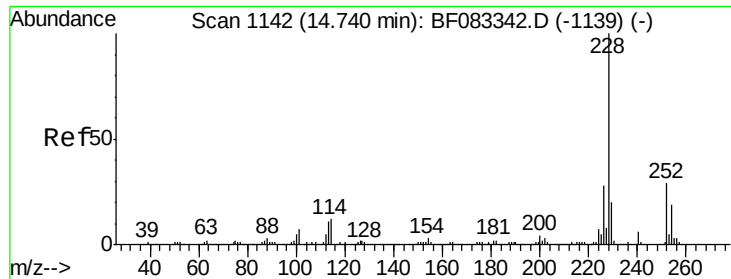
Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Tgt Ion:	244	Resp:	1423476
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.8	8.8
122	10.1	11.0	16.4#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





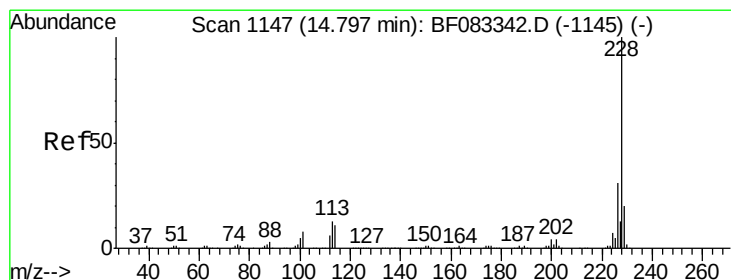
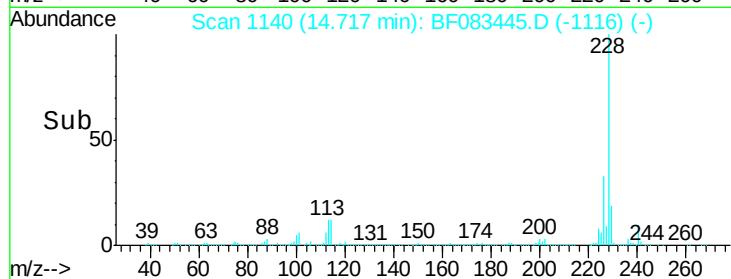
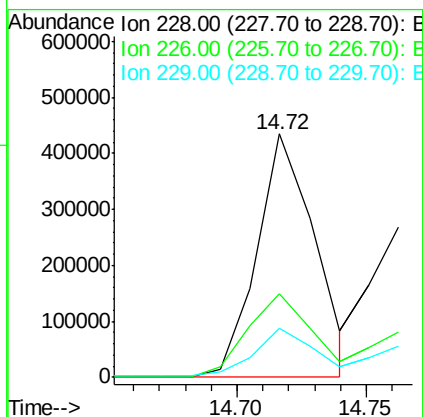
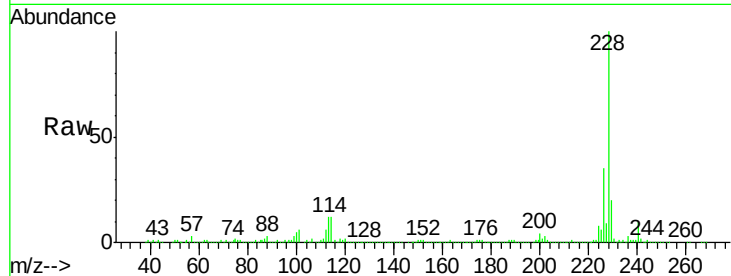
#80
Benzo(a)anthracene
Concen: 32.52 ng
RT: 14.72 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-07(0-8)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	668636		
226	34.5	22.2	33.4	
229	20.0	16.1	24.1	

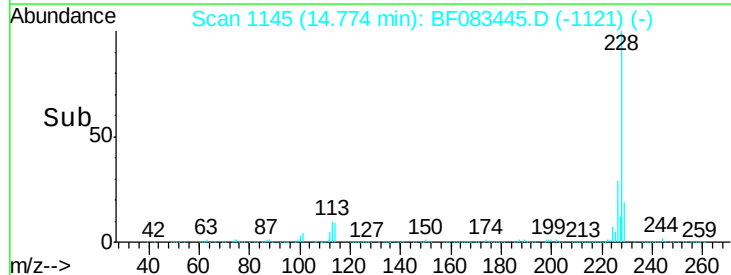
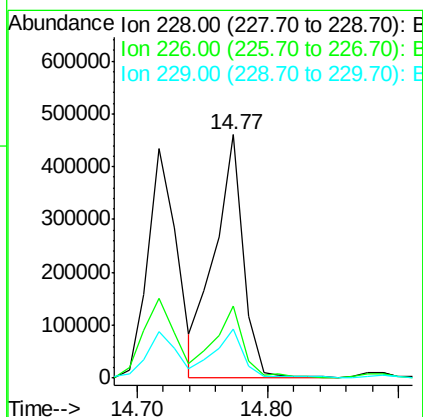
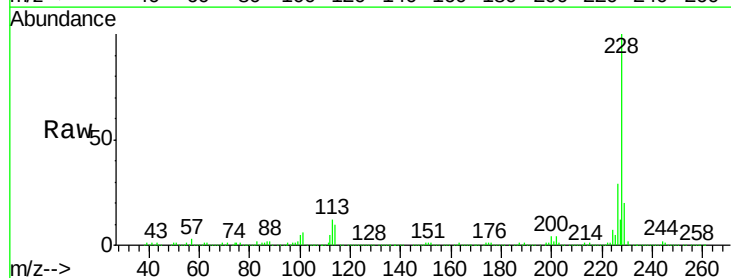
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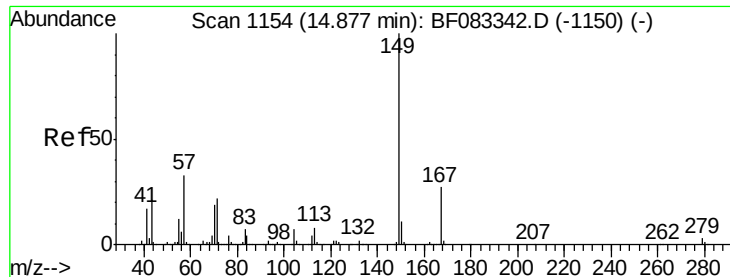
Mmdadoda
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#82
Chrysene
Concen: 35.15 ng
RT: 14.77 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	698249		
226	29.4	24.6	37.0	
229	20.0	16.2	24.2	





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.56 ng

RT: 14.85 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

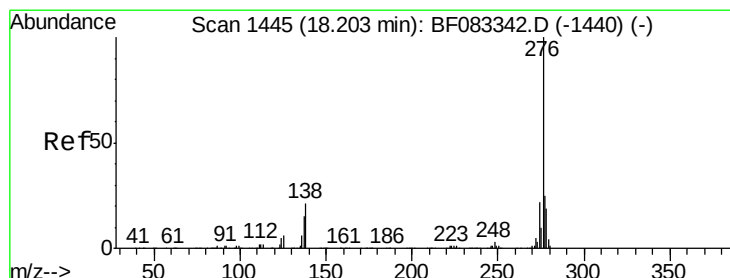
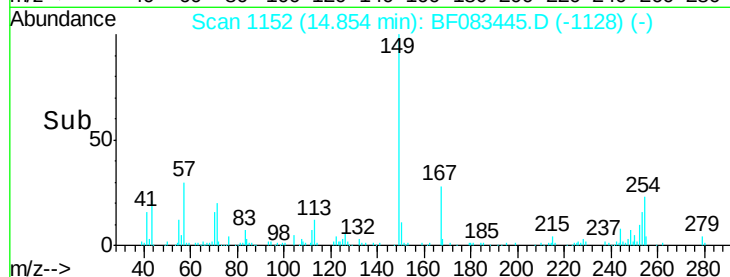
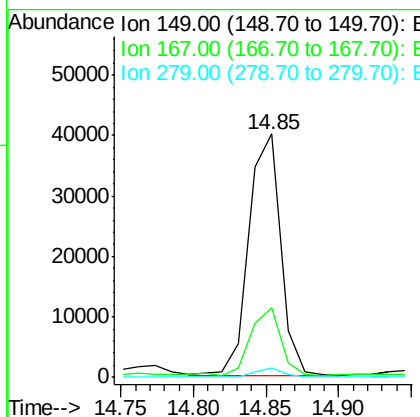
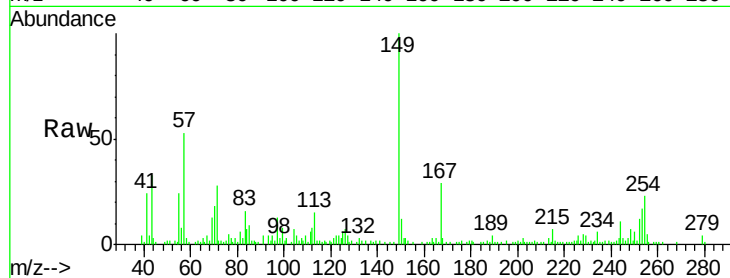
ClientSampleId :

SB-P3WC-07(0-8)

Tot Ion:	149	Resp:	60833
Ion Ratio	Lower	Upper	
149	100		
167	28.6	21.5	32.3
279	4.1	2.6	3.8#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 32.00 ng

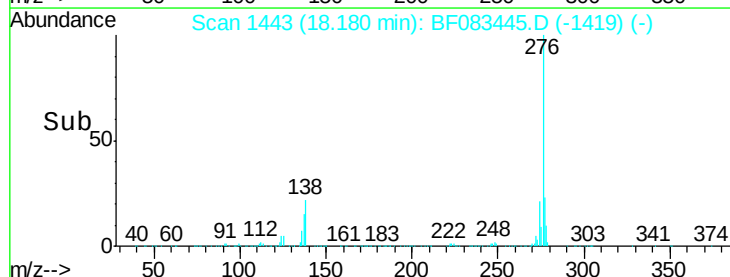
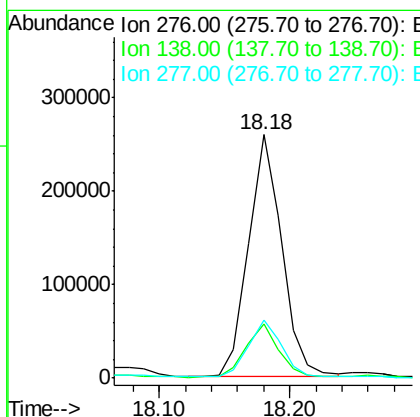
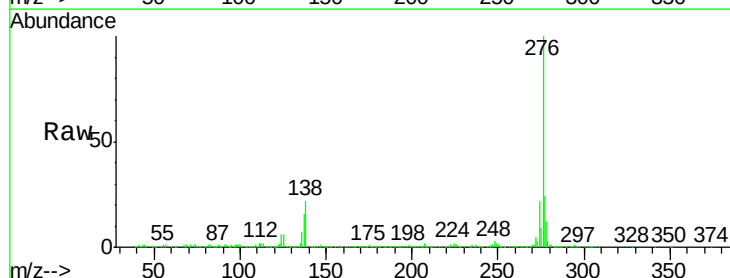
RT: 18.18 min Scan# 1443

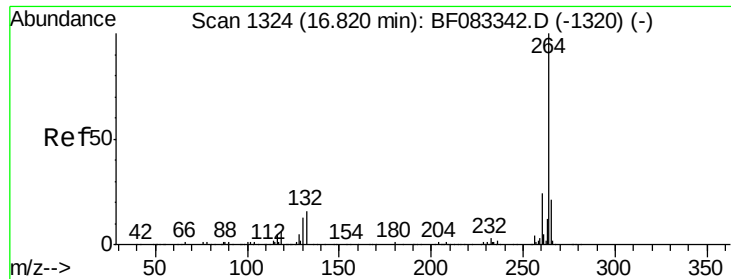
Delta R.T. -0.02 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Tgt Ion:	276	Resp:	462852
Ion Ratio	Lower	Upper	
276	100		
138	21.7	21.2	31.8
277	23.2	20.0	30.0





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.80 min Scan# 1322

Delta R.T. -0.02 min

Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Instrument :

BNA_F

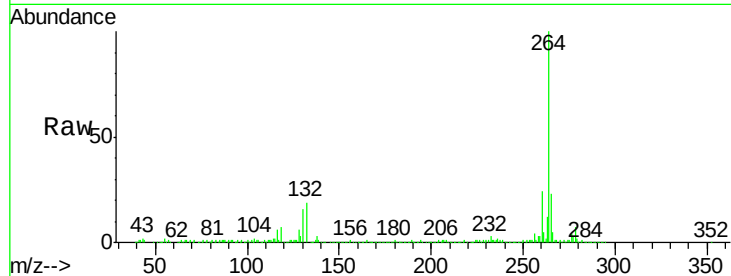
ClientSampleId :

SB-P3WC-07(0-8)

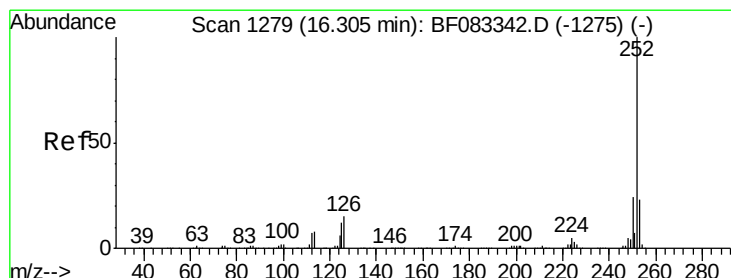
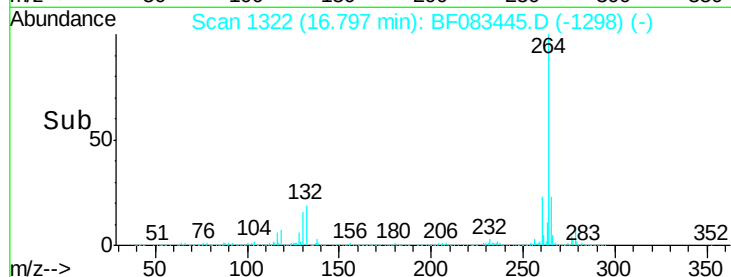
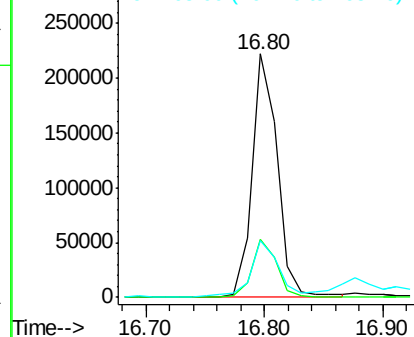
Tot Ion:	264	Resp:	330662
Ion Ratio		Lower	Upper
264	100		
260	23.7	19.0	28.4
265	23.2	16.8	25.2

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 48.71 ng m

RT: 16.29 min Scan# 1278

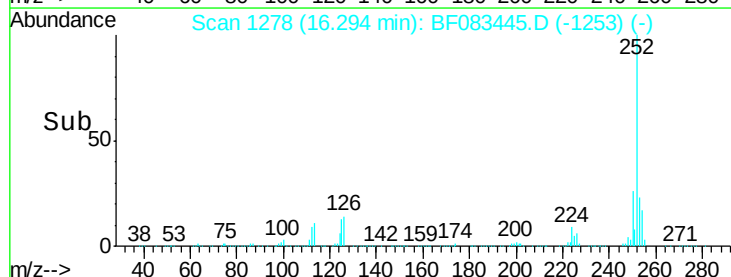
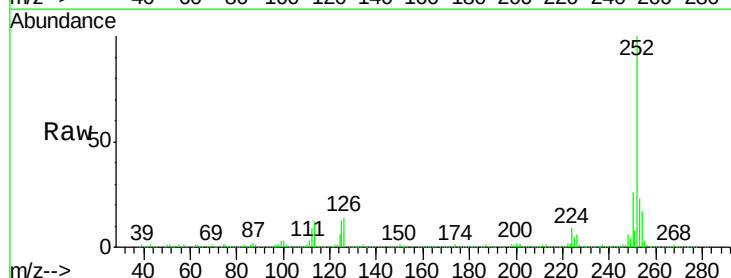
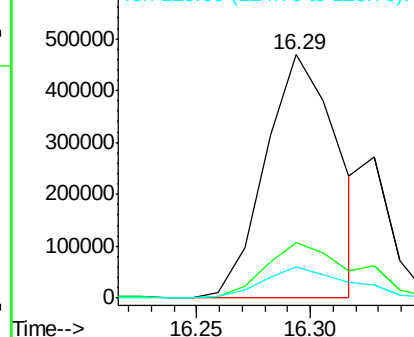
Delta R.T. -0.01 min

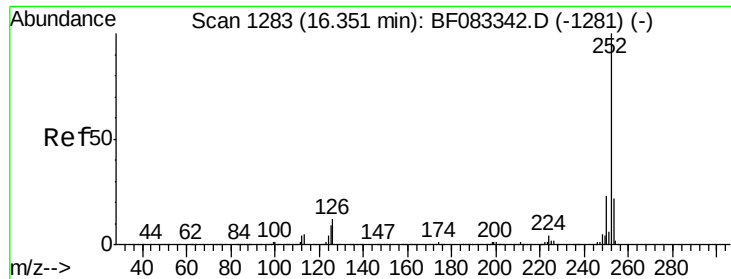
Lab File: BF083445.D

Acq: 3 Dec 2015 5:52

Tgt Ion:	252	Resp:	1033391
Ion Ratio		Lower	Upper
252	100		
253	22.8	18.4	27.6
125	12.8	9.6	14.4

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





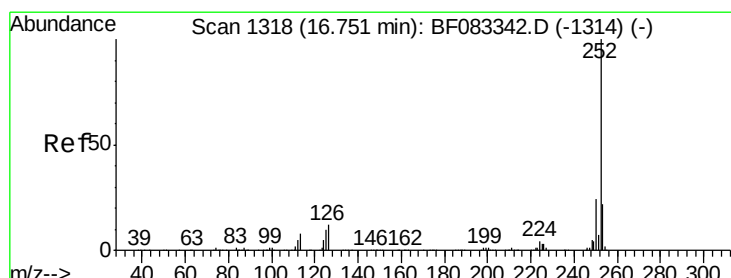
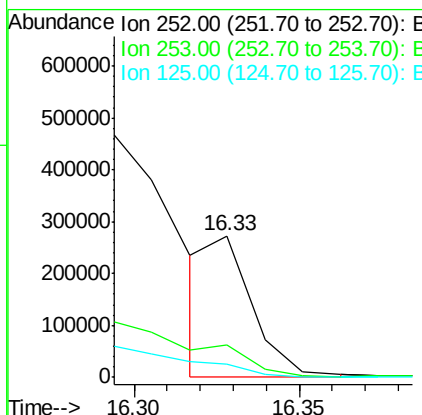
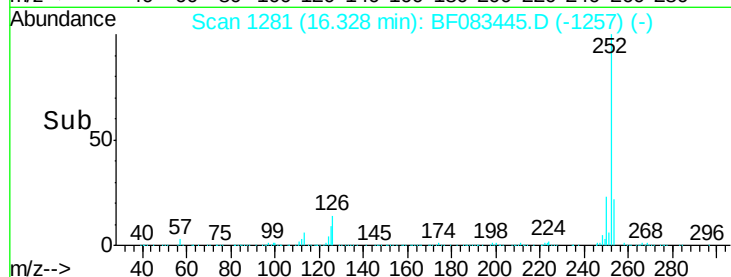
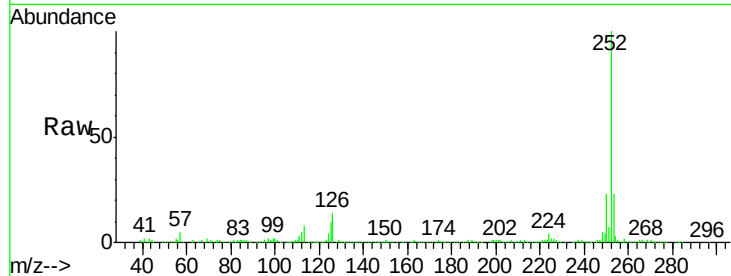
#88
Benzo(k)fluoranthene
Concen: 12.30 ng
RT: 16.33 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-07(0-8)

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

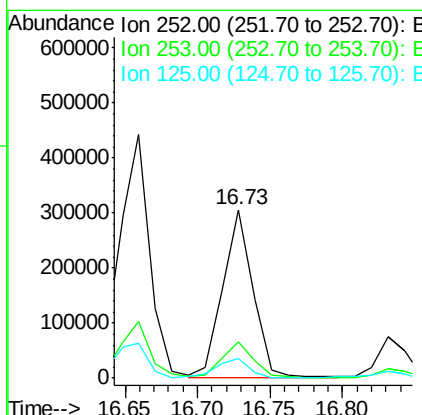
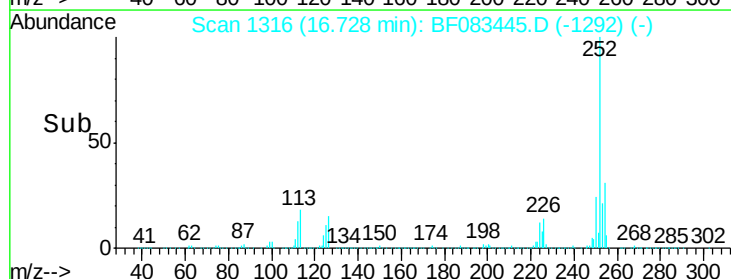
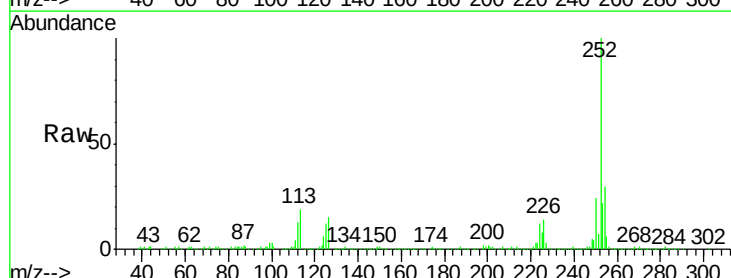
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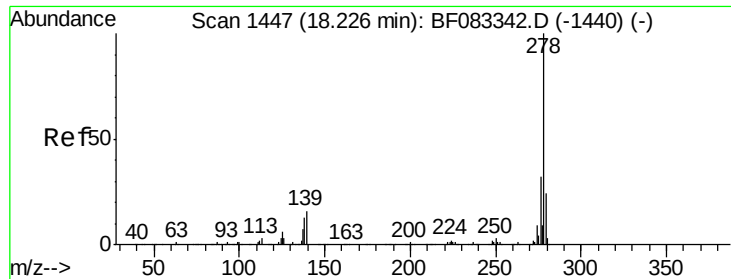
Mmdadoda
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#89
Benzo(a)pyrene
Concen: 24.26 ng
RT: 16.73 min Scan# 1316
Delta R.T. -0.02 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	11.6	7.8	11.8





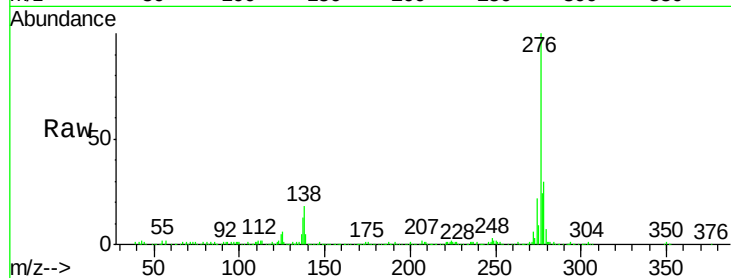
#90
Dibenzo(a,h)anthracene
Concen: 6.85 ng
RT: 18.19 min Scan# 1444
Delta R.T. -0.03 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-07(0-8)

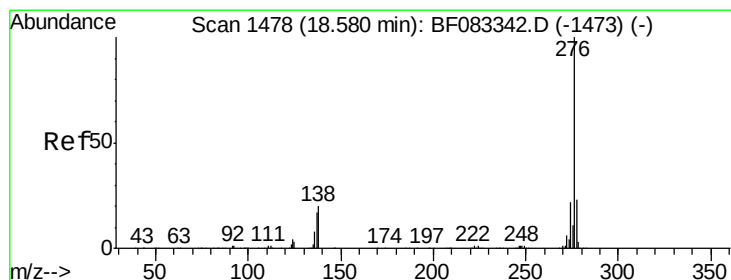
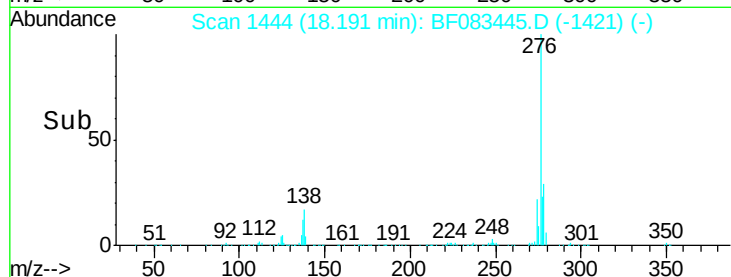
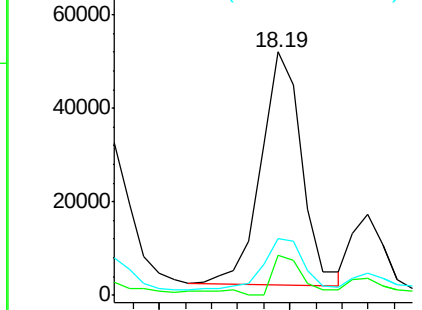
Tot Ion	Ratio	Lower	Upper
278	100		
139	16.5	13.1	19.7
279	23.1	19.2	28.8

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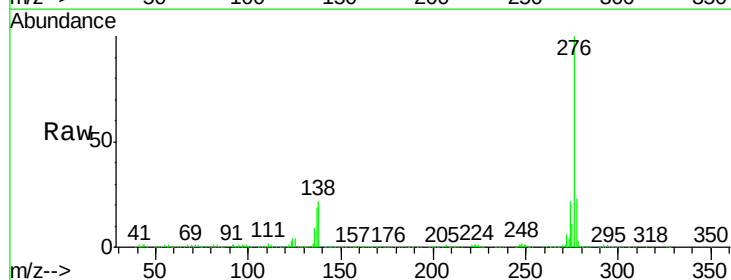


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 30.74 ng
RT: 18.56 min Scan# 1476
Delta R.T. -0.02 min
Lab File: BF083445.D
Acq: 3 Dec 2015 5:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	22.1	16.1	24.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

