

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
 Data File : BF083584.D
 Acq On : 8 Dec 2015 6:13
 Operator : UM/IZ
 Sample : G4584-05DL 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

Manual Integrations
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 12/8/2015 6:15:50 PM

Quant Time: Dec 08 07:40:03 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.72	152	208335	20.00	ng	-0.05
21) Naphthalene-d8	7.62	136	760398	20.00	ng	-0.06
38) Acenaphthene-d10	10.41	164	337701	20.00	ng	-0.06
63) Phenanthrene-d10	12.81	188	517511	20.00	ng	-0.05
75) Chrysene-d12	17.01	240	468580	20.00	ng	-0.03
86) Perylene-d12	18.65	264	368327	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.00	112	775770	56.49	ng	-0.03
7) Phenol-d6	5.29	99	1035320	54.72	ng	-0.03
23) Nitrobenzene-d5	6.54	82	636940	39.15	ng	-0.06
41) 2,4,6-Tribromophenol	11.70	330	151661	48.68	ng	-0.06
44) 2-Fluorobiphenyl	9.37	172	950649	38.18	ng	-0.06
78) Terphenyl-d14	15.44	244	681914	32.38	ng	-0.05
Target Compounds						Qvalue
48) Acenaphthylene	10.18	152	201826	5.45	ng	98
49) Dimethylphthalate	10.05	163	190236	7.16	ng	98
70) Phenanthrene	12.84	178	448170	14.88	ng	100
71) Anthracene	12.93	178	75230	2.45	ng	99
74) Fluoranthene	14.77	202	989807	33.15	ng	97
77) Pyrene	15.14	202	1347292	38.44	ng	100
80) Benzo(a)anthracene	17.00	228	578466m	21.10	ng	
82) Chrysene	17.05	228	527274	19.31	ng	99
85) Indeno(1,2,3-cd)pyrene	19.89	276	302973	12.94	ng	# 100
87) Benzo(b)fluoranthene	18.27	252	681202m	32.93	ng	
88) Benzo(k)fluoranthene	18.29	252	131178m	6.19	ng	
89) Benzo(a)pyrene	18.60	252	317909m	15.80	ng	
90) Dibenzo(a,h)anthracene	19.91	278	61435m	3.17	ng	
91) Benzo(a,h,i)perylene	20.26	276	328427	16.84	ng	97

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

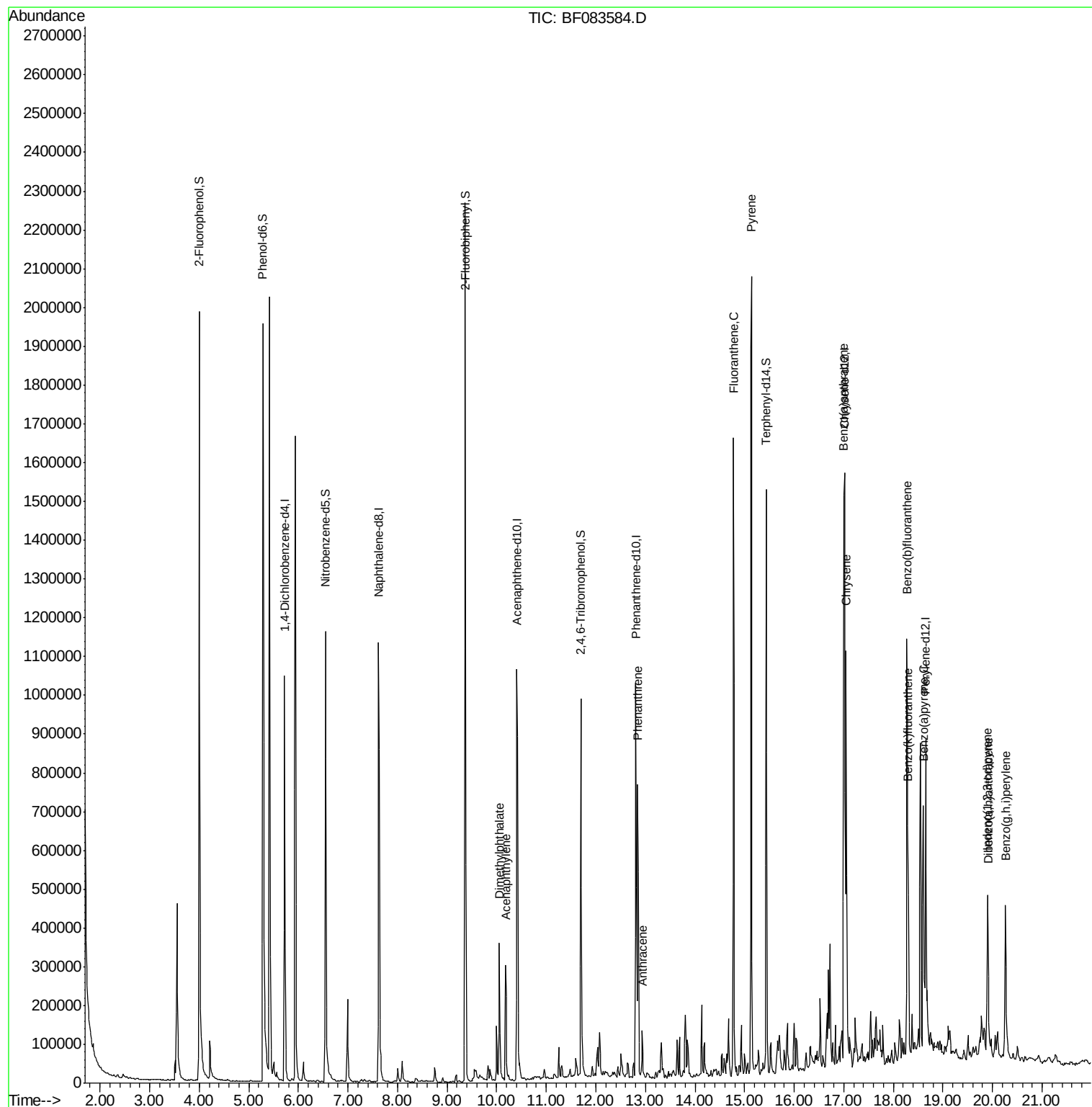
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120715\
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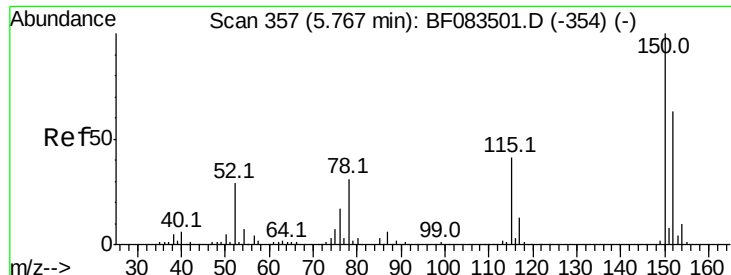
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

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Quant Time: Dec 08 07:40:03 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.72 min Scan# 353

Delta R.T. -0.05 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

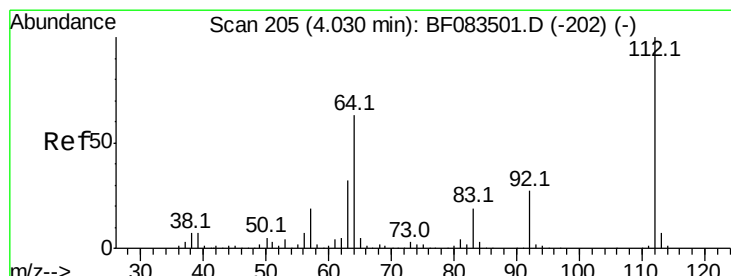
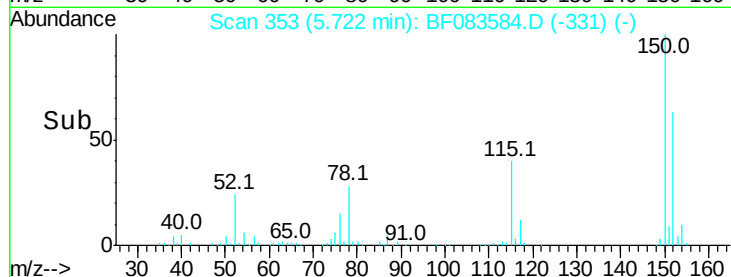
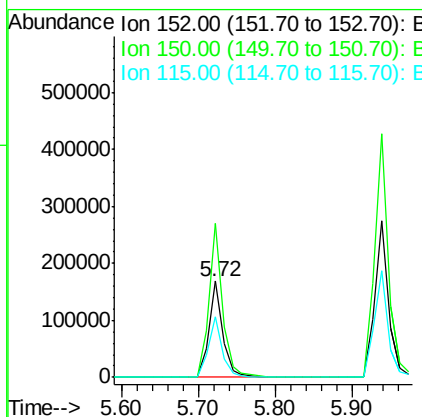
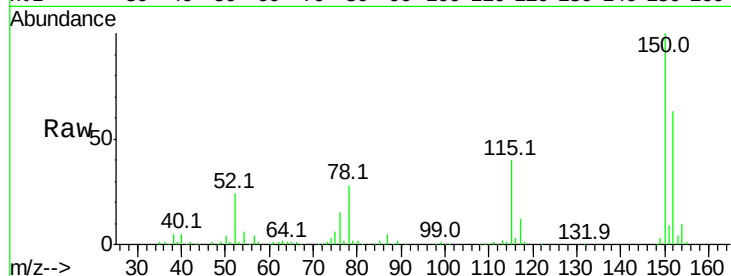
ClientSampleId :

SB-P3WC-13(0-8)DL

Tot Ion:	152	Resp:	208335
Ion Ratio	Lower	Upper	
152	100		
150	159.8	126.5	189.7
115	63.5	52.3	78.5

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#5

2-Fluorophenol

Concen: 56.49 ng

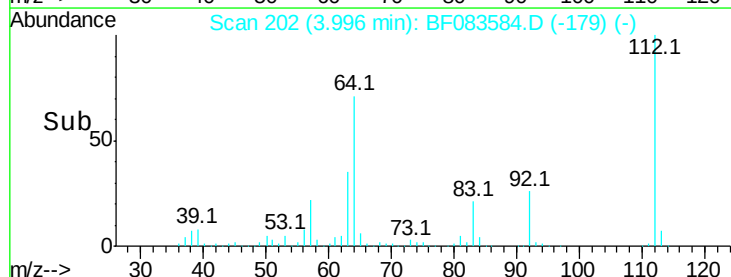
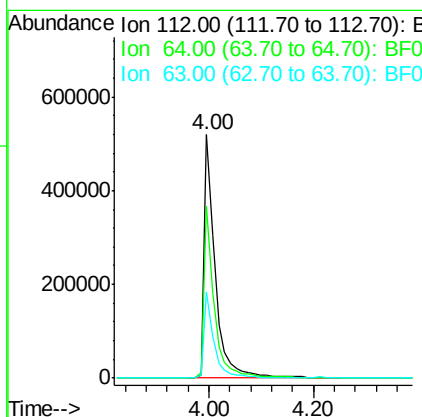
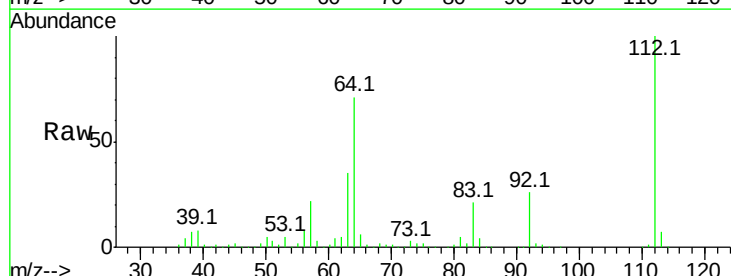
RT: 4.00 min Scan# 202

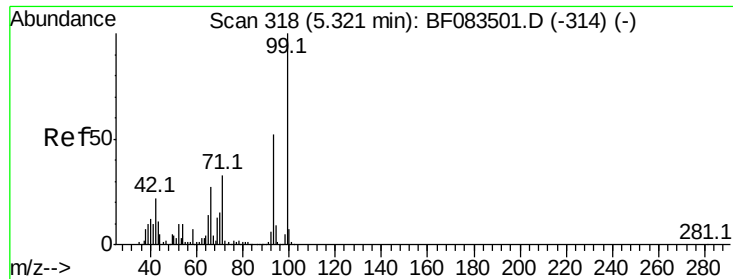
Delta R.T. -0.03 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Tgt Ion:	112	Resp:	775770
Ion Ratio	Lower	Upper	
112	100		
64	70.8	50.5	75.7
63	35.2	25.8	38.6





#7

Phenol-d6

Concen: 54.72 ng

RT: 5.29 min Scan# 315

Delta R.T. -0.03 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-13(0-8)DL

Tot Ion: 99 Resp: 1035320

Ion Ratio Lower Upper

99 100

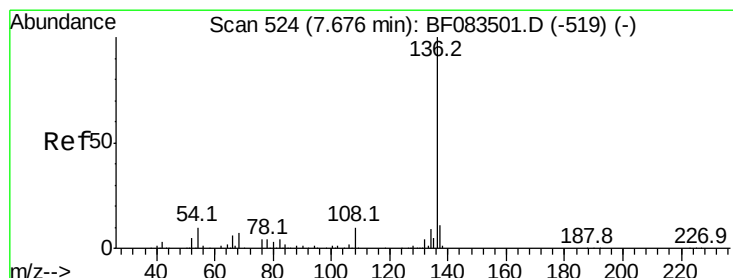
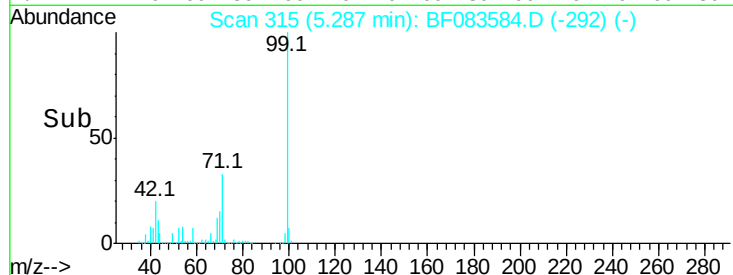
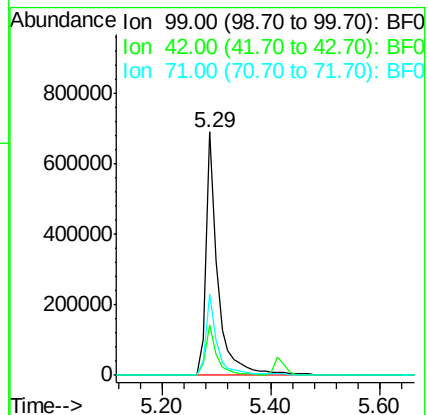
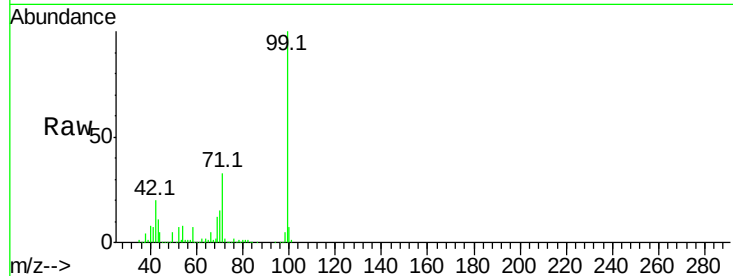
42 20.4 17.3 25.9

71 33.4 26.6 40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.62 min Scan# 519

Delta R.T. -0.06 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Tgt Ion: 136 Resp: 760398

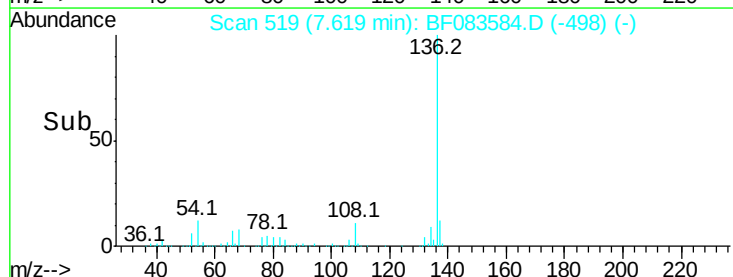
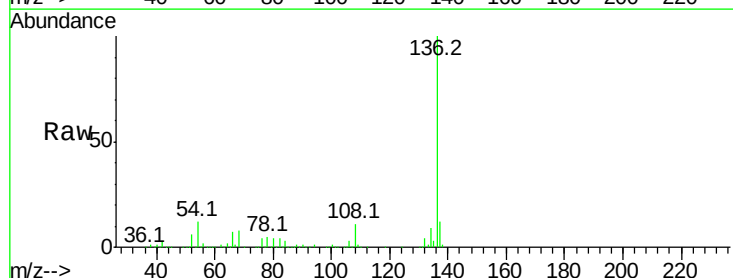
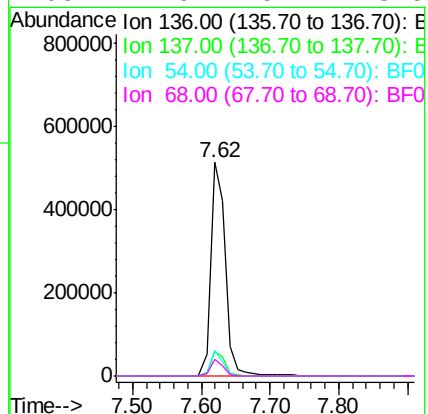
Ion Ratio Lower Upper

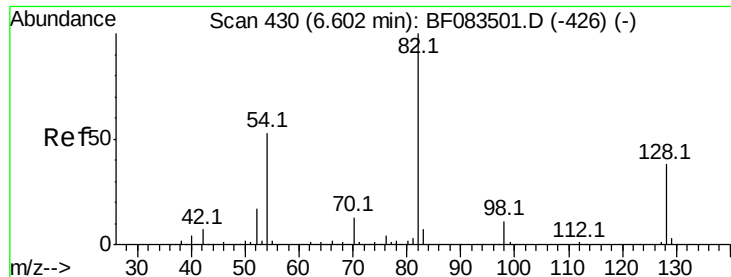
136 100

137 11.5 8.7 13.1

54 12.0 7.8 11.6#

68 7.9 5.7 8.5





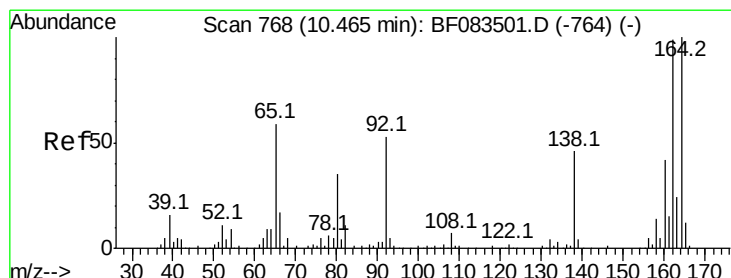
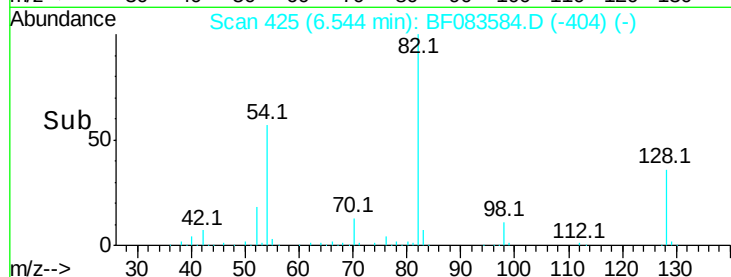
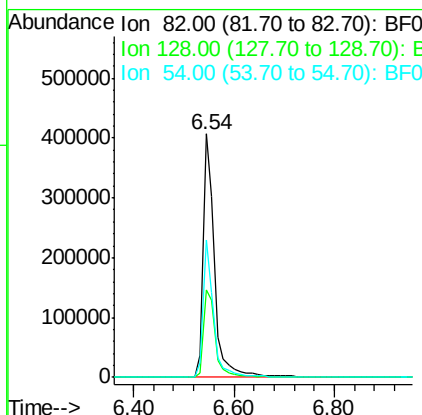
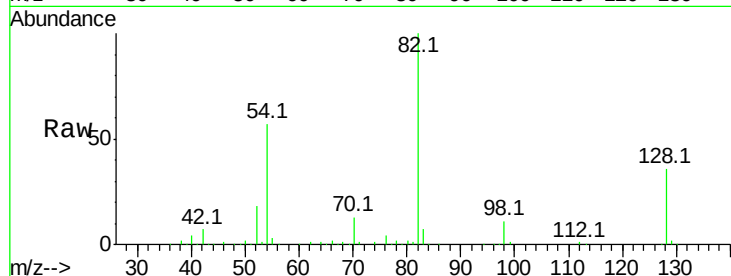
#23
Nitrobenzene-d5
Concen: 39.15 ng
RT: 6.54 min Scan# 425
Delta R.T. -0.06 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.7	30.7	46.1
54	56.5	42.5	63.7

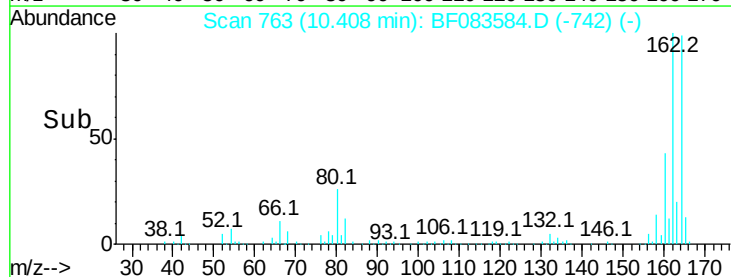
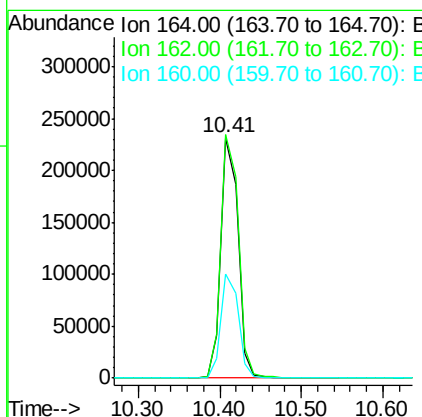
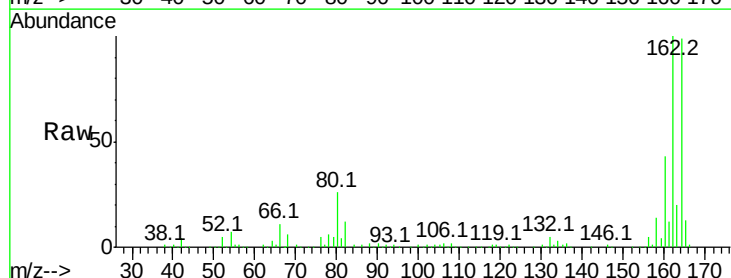
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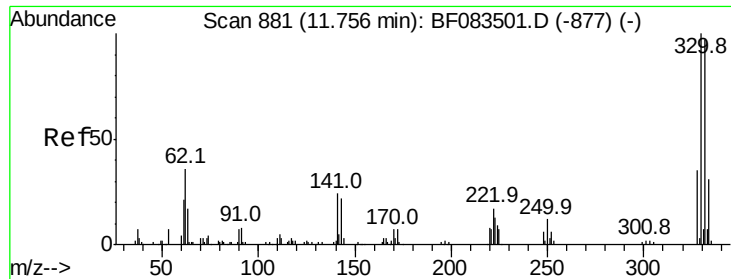
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12/8/2015 6:15:50 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.41 min Scan# 763
Delta R.T. -0.06 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	78.8	118.2
160	43.2	33.4	50.2





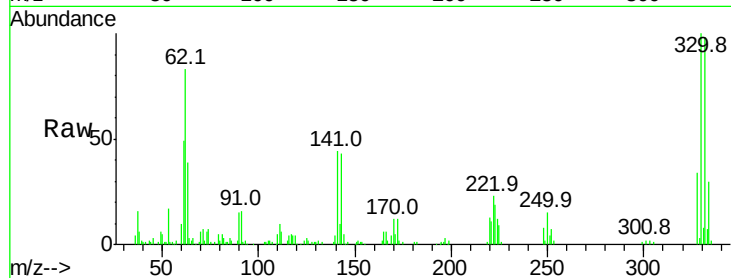
#41
 2,4,6-Tribromophenol
 Concen: 48.68 ng
 RT: 11.70 min Scan# 876
 Delta R.T. -0.06 min
 Lab File: BF083584.D
 Acq: 8 Dec 2015 6:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

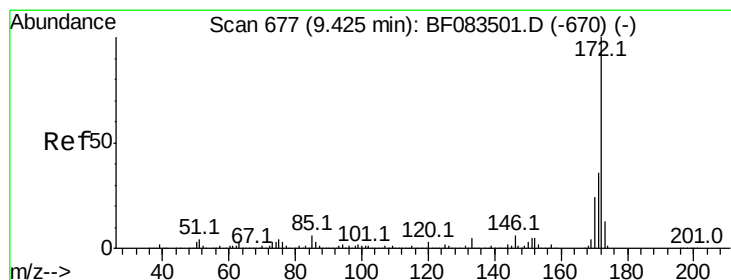
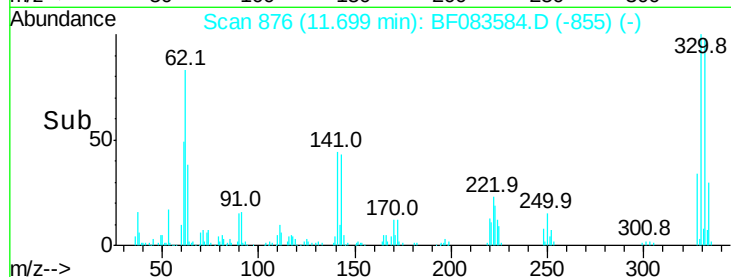
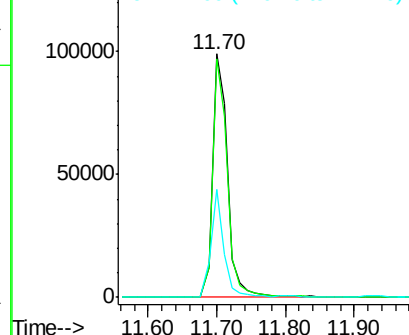
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.5	0.0	0.0#
141	38.2	0.0	0.0#

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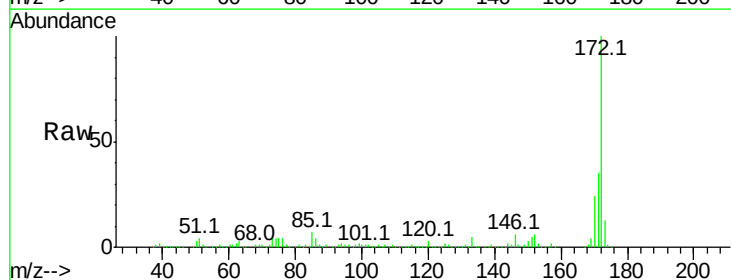


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

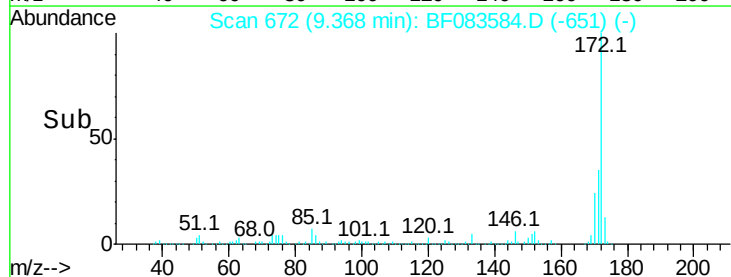
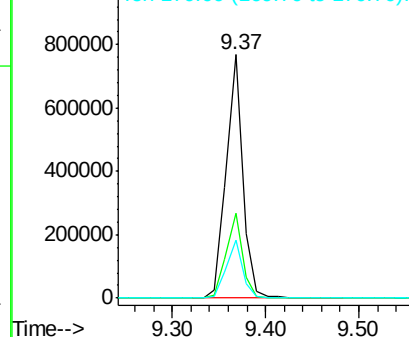


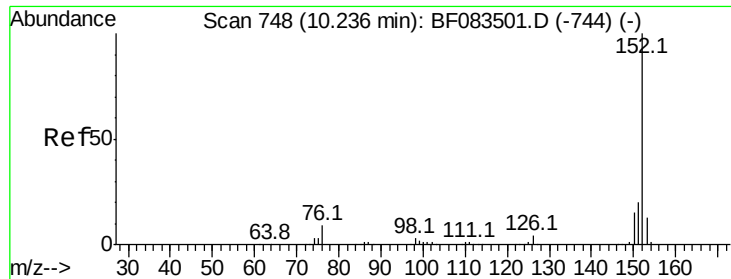
#44
 2-Fluorobiphenyl
 Concen: 38.18 ng
 RT: 9.37 min Scan# 672
 Delta R.T. -0.06 min
 Lab File: BF083584.D
 Acq: 8 Dec 2015 6:13

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.0	28.6	42.8
170	24.0	19.4	29.0



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





#48

Acenaphthylene

Concen: 5.45 ng

RT: 10.18 min Scan# 743

Delta R.T. -0.06 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

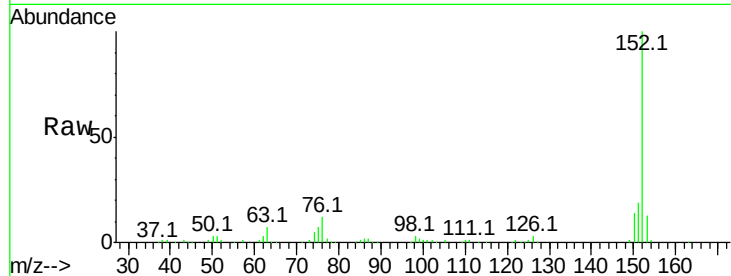
ClientSampleId :

SB-P3WC-13(0-8)DL

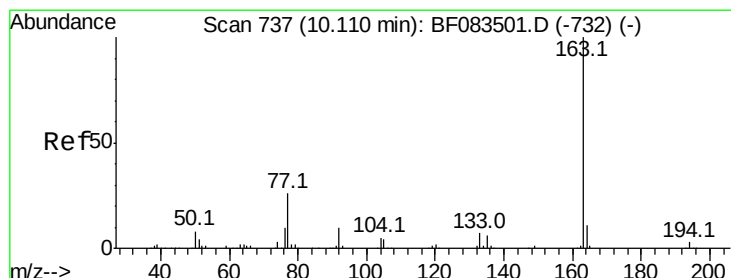
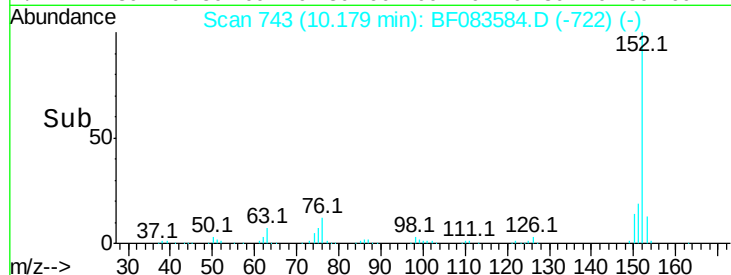
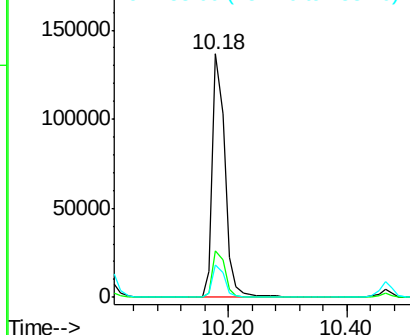
Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.3	24.5
153	13.3	10.8	16.2

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



#49

Dimethylphthalate

Concen: 7.16 ng

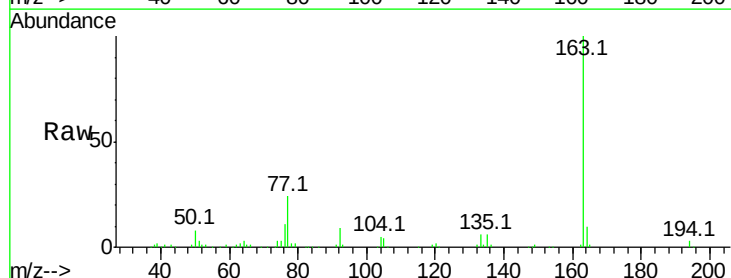
RT: 10.05 min Scan# 732

Delta R.T. -0.06 min

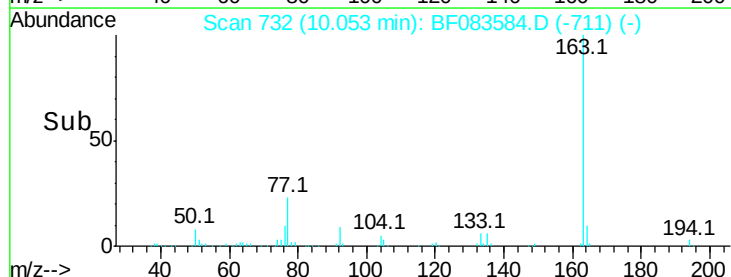
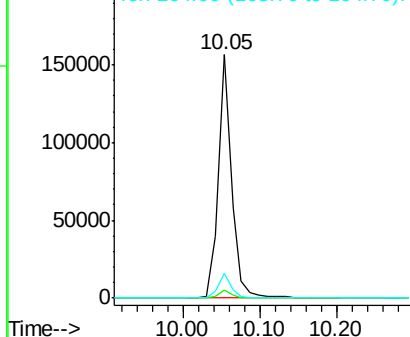
Lab File: BF083584.D

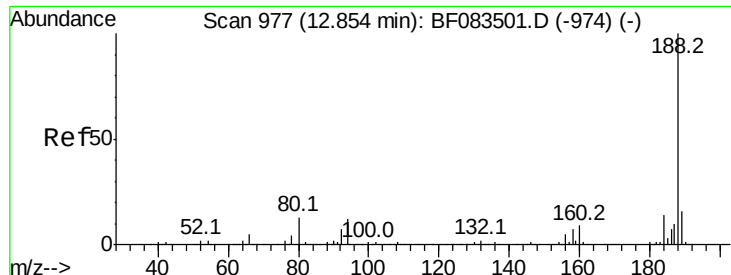
Acq: 8 Dec 2015 6:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.1	8.6	13.0



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





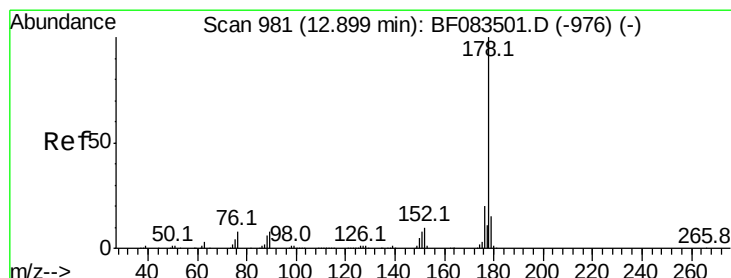
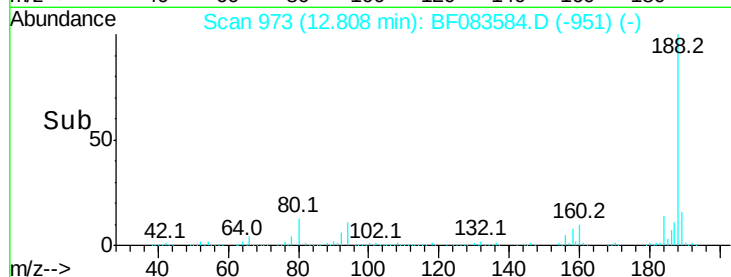
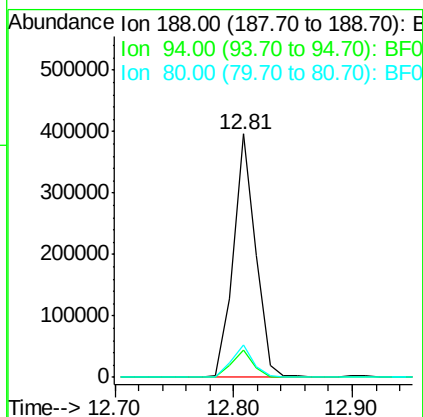
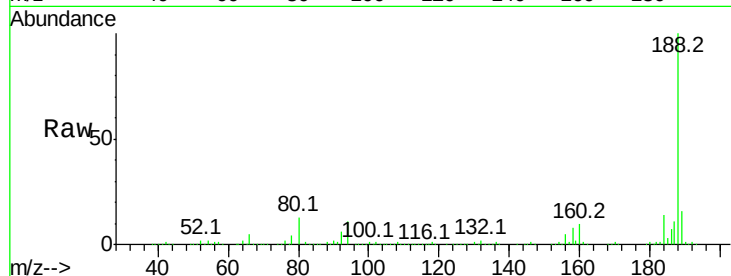
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.81 min Scan# 973
Delta R.T. -0.05 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Instrument :
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SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.1	9.4	14.2
80	13.1	10.6	16.0

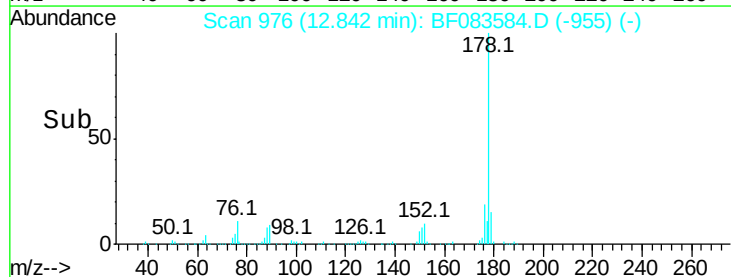
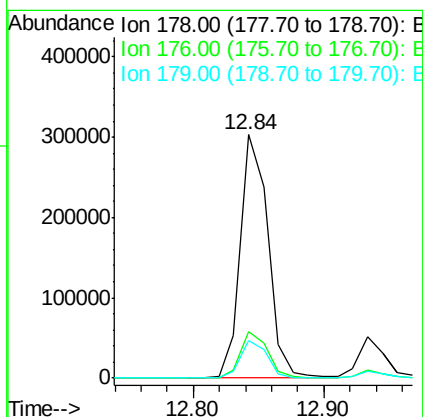
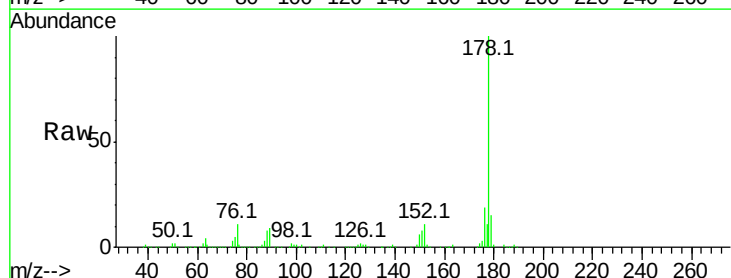
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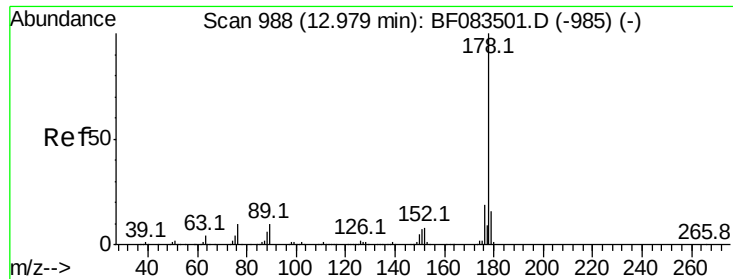
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#70
Phenanthrene
Concen: 14.88 ng
RT: 12.84 min Scan# 976
Delta R.T. -0.06 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.3	12.2	18.4





#71

Anthracene

Concen: 2.45 ng

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

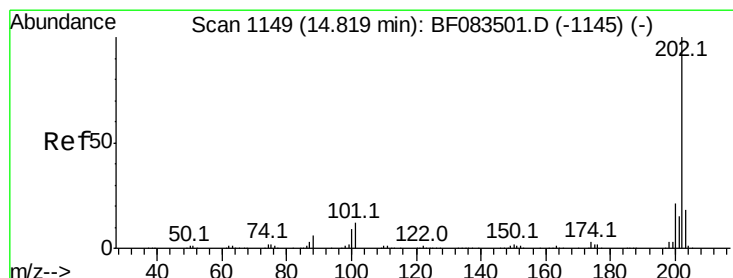
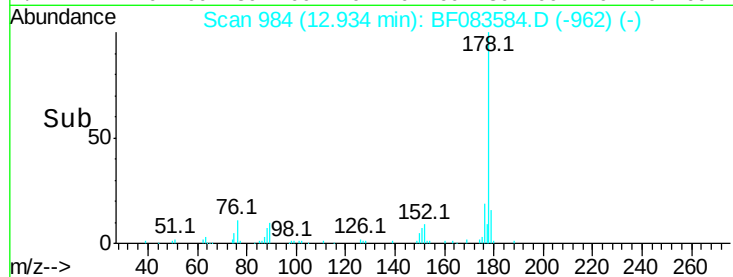
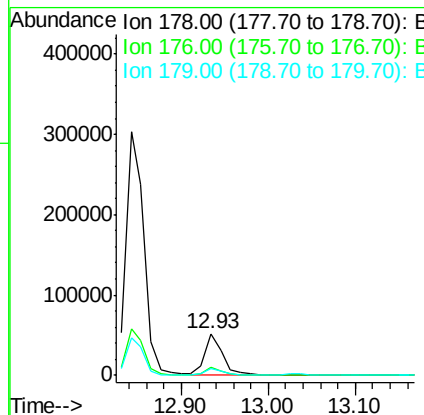
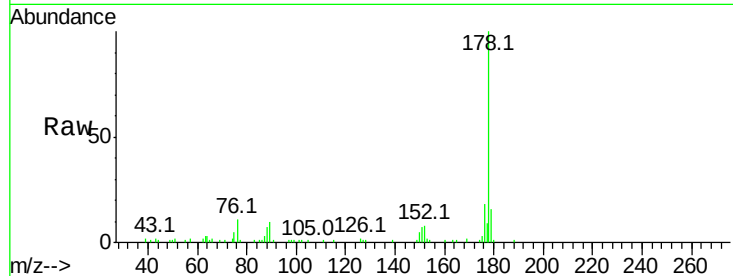
ClientSampleId :

SB-P3WC-13(0-8)DL

Tot Ion:	178	Resp:	75230
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.2	22.8
179	16.1	12.6	18.8

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#74

Fluoranthene

Concen: 33.15 ng

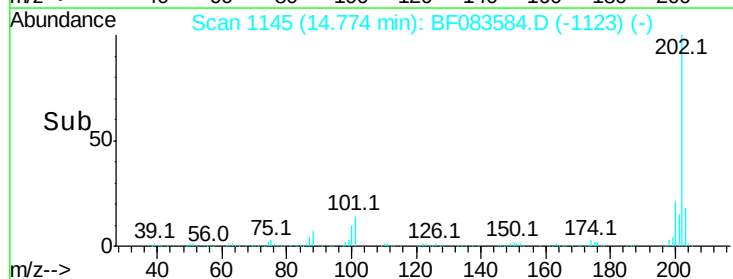
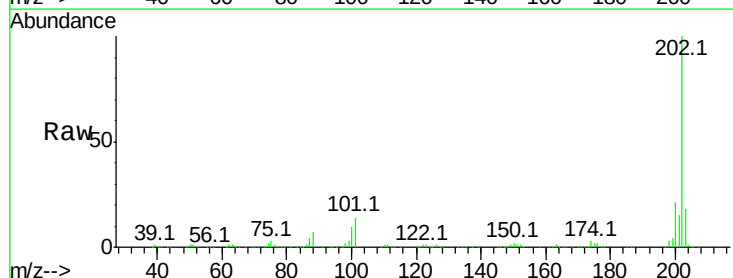
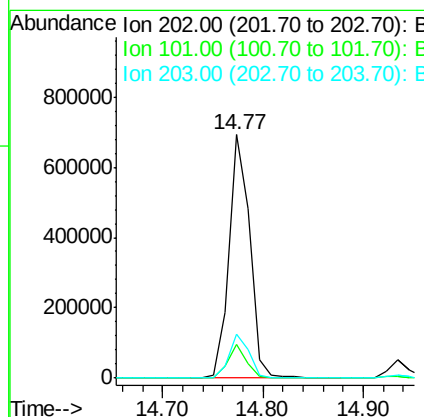
RT: 14.77 min Scan# 1145

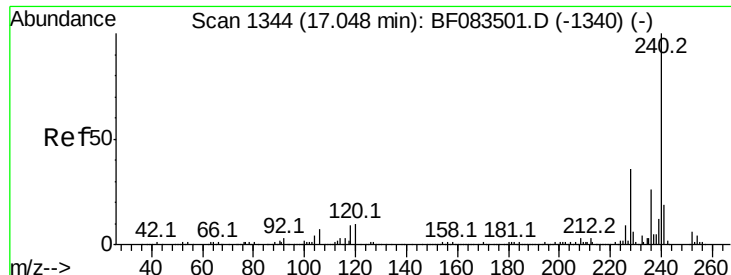
Delta R.T. -0.05 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Tgt Ion:	202	Resp:	989807
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	31.5
203	17.9	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

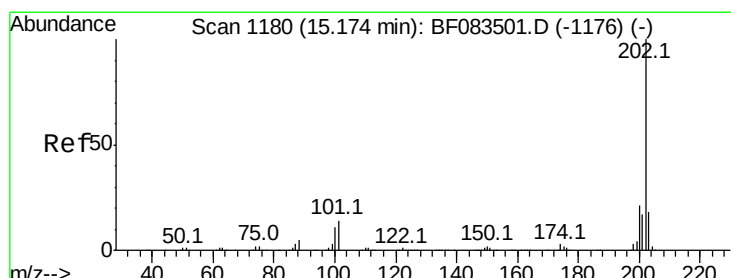
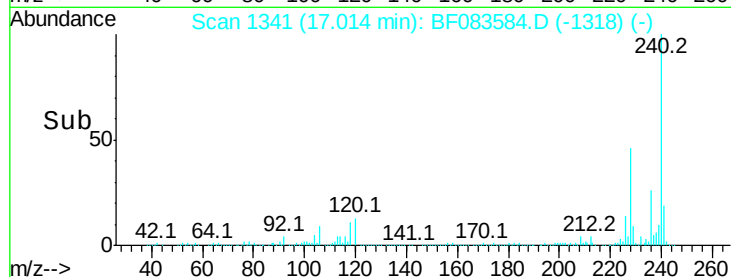
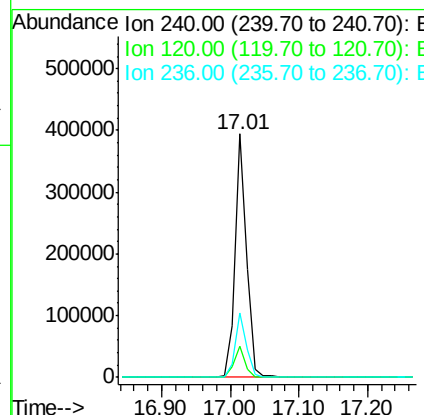
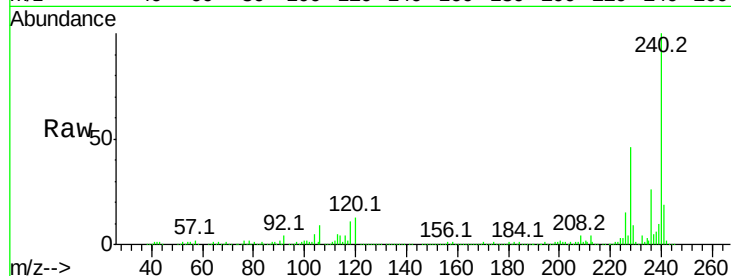
ClientSampleId :

SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.1	12.1#
236	26.3	20.8	31.2

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12/8/2015 6:15:50 PM



#77

Pyrene

Concen: 38.44 ng

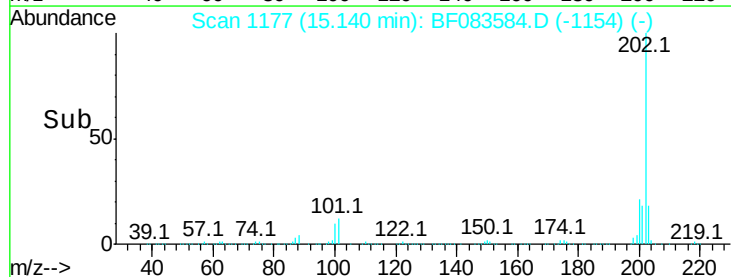
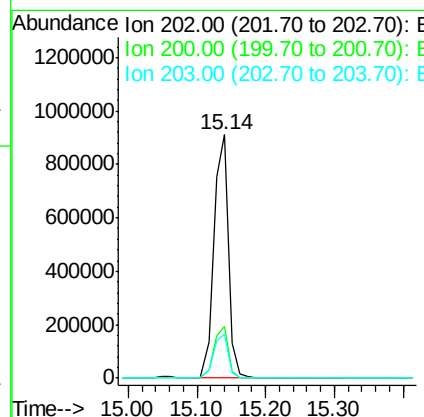
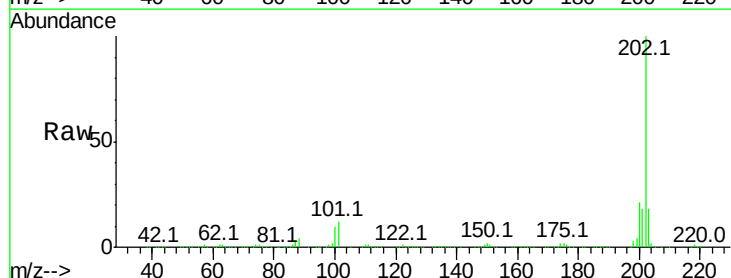
RT: 15.14 min Scan# 1177

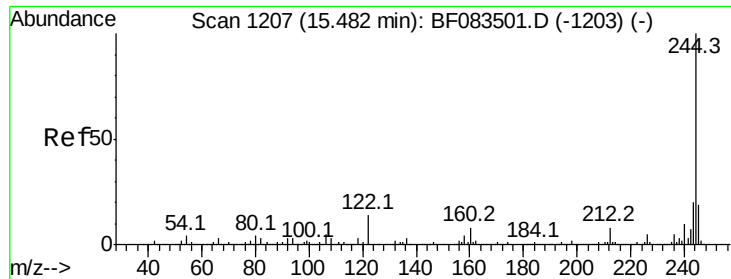
Delta R.T. -0.03 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.9	14.3	21.5





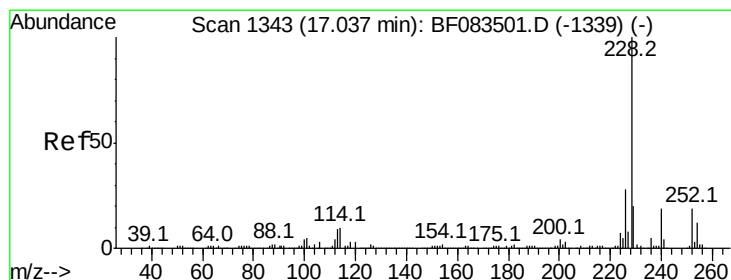
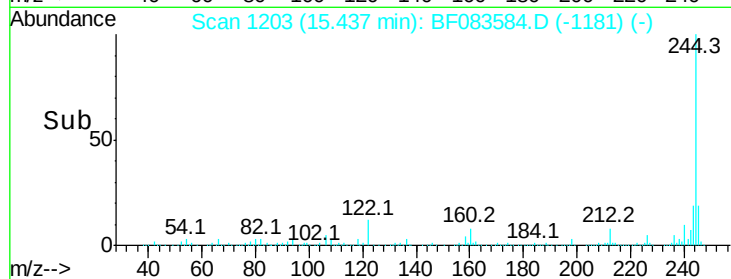
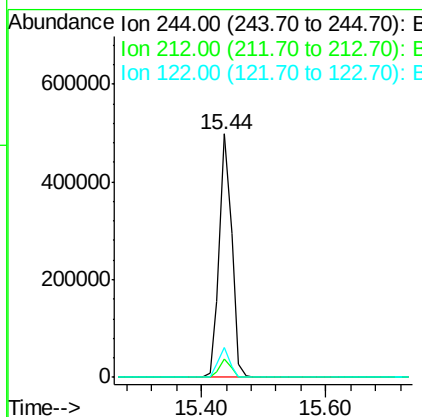
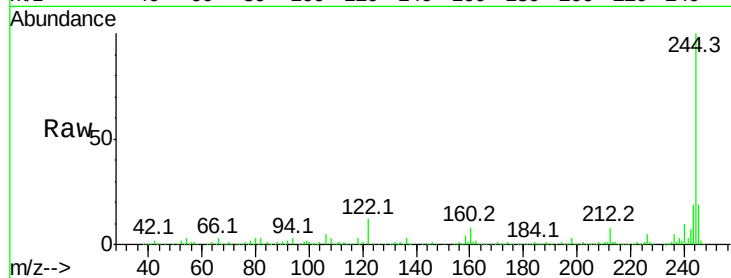
#78
 Terphenyl-d14
 Concen: 32.38 ng
 RT: 15.44 min Scan# 1203
 Delta R.T. -0.05 min
 Lab File: BF083584.D
 Acq: 8 Dec 2015 6:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	12.5	11.0	16.6

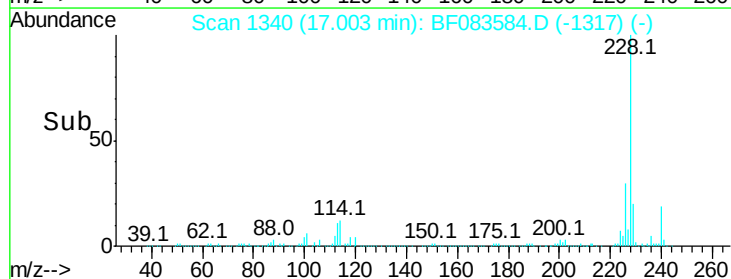
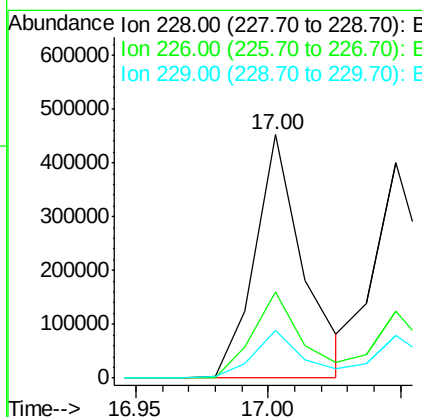
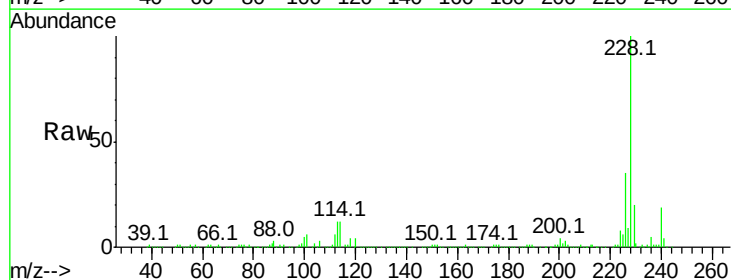
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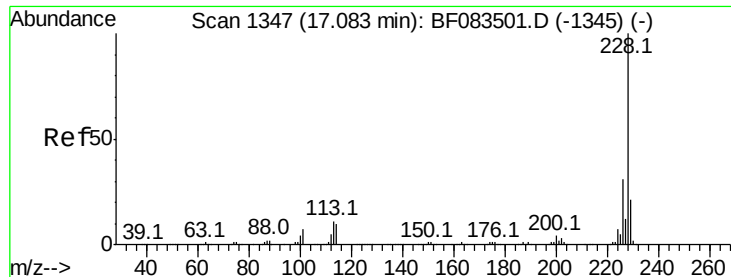
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 12/8/2015 6:15:50 PM



#80
 Benzo(a)anthracene
 Concen: 21.10 ng m
 RT: 17.00 min Scan# 1340
 Delta R.T. -0.03 min
 Lab File: BF083584.D
 Acq: 8 Dec 2015 6:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.4	22.3	33.5#
229	19.7	15.7	23.5





#82

Chrysene

Concen: 19.31 ng

RT: 17.05 min Scan# 1344

Delta R.T. -0.03 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Instrument :

BNA_F

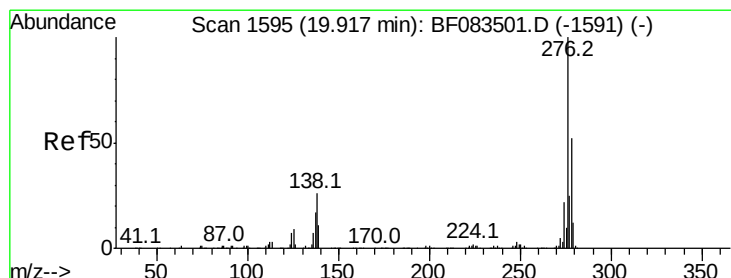
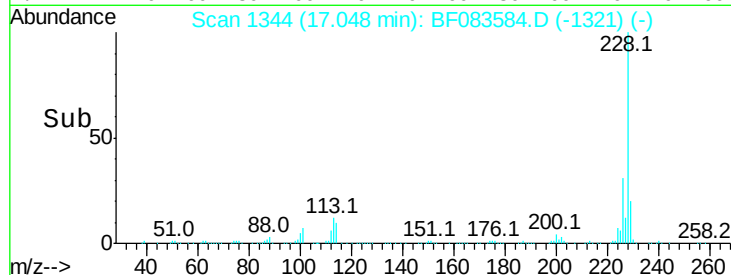
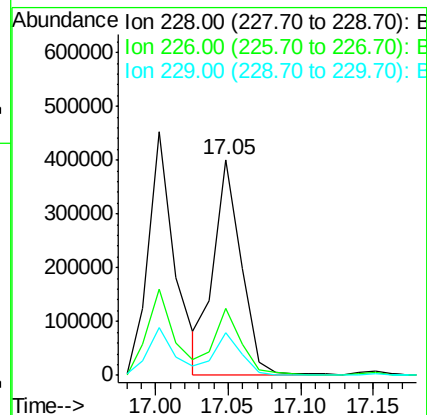
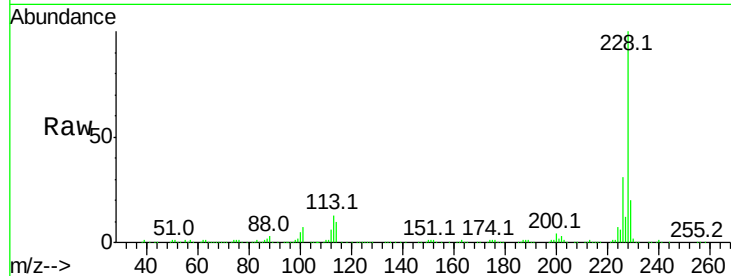
ClientSampleId :

SB-P3WC-13(0-8)DL

Tot Ion:	228	Resp:	527274
Ion Ratio	Lower	Upper	
228	100		
226	31.2	24.7	37.1
229	20.0	16.3	24.5

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12/8/2015 6:15:50 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 12.94 ng

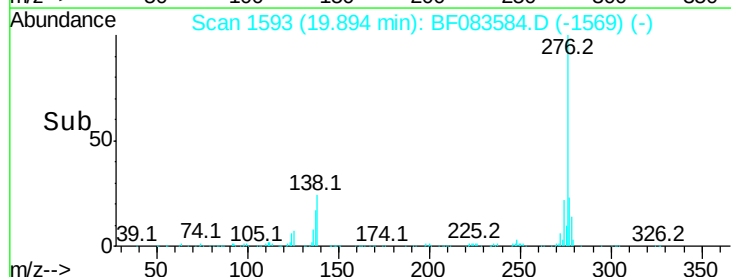
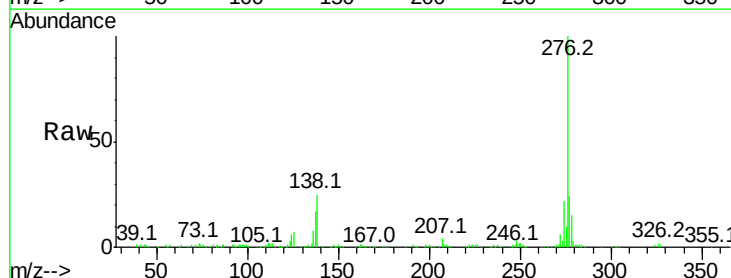
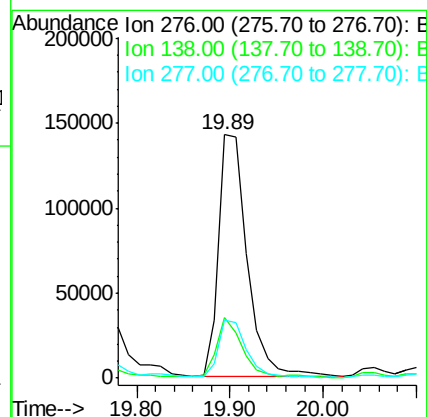
RT: 19.89 min Scan# 1593

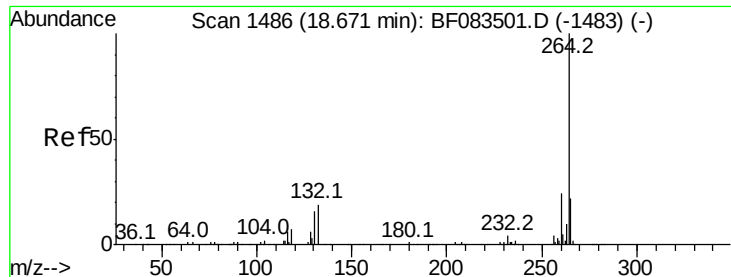
Delta R.T. -0.02 min

Lab File: BF083584.D

Acq: 8 Dec 2015 6:13

Tgt Ion:	276	Resp:	302973
Ion Ratio	Lower	Upper	
276	100		
138	21.8	0.0	0.0#
277	23.4	0.0	0.0#





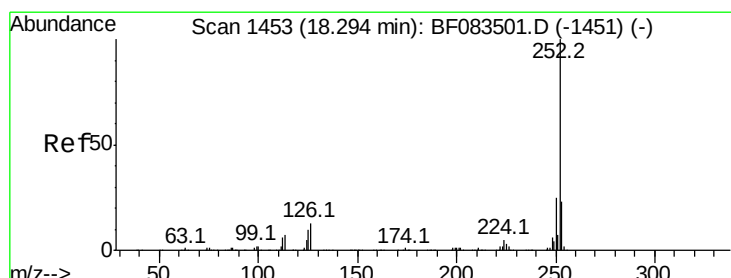
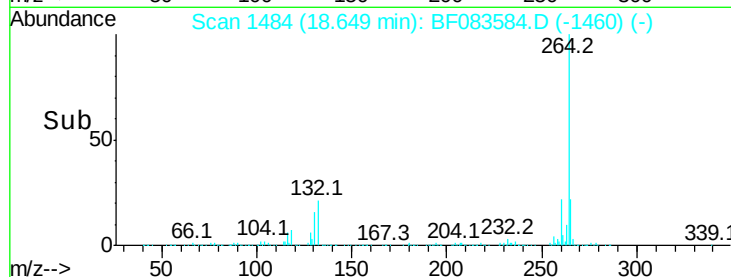
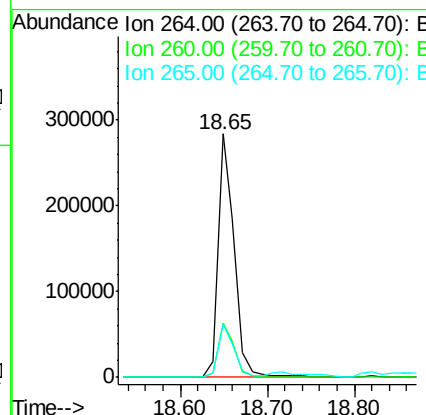
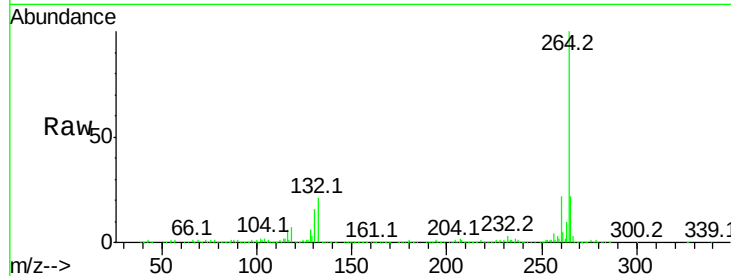
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.65 min Scan# 1484
Delta R.T. -0.02 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.4	29.0
265	22.0	17.8	26.6

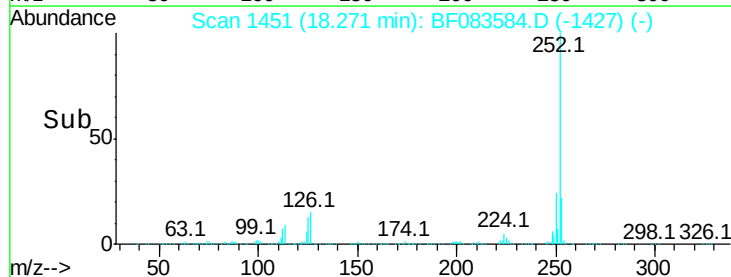
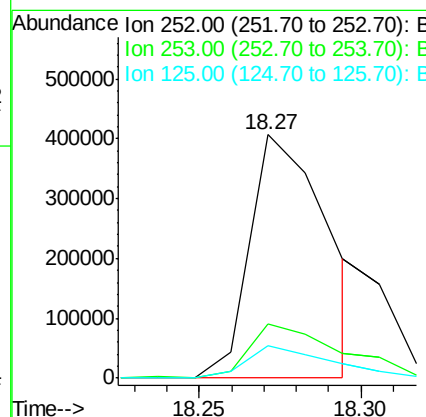
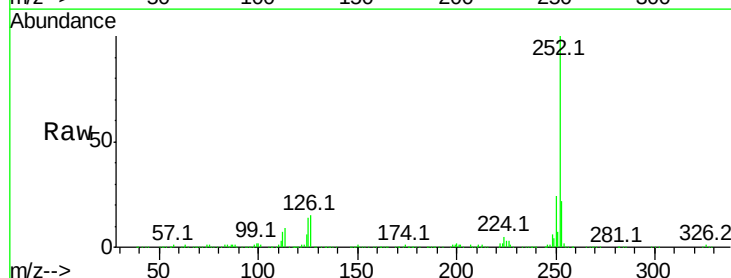
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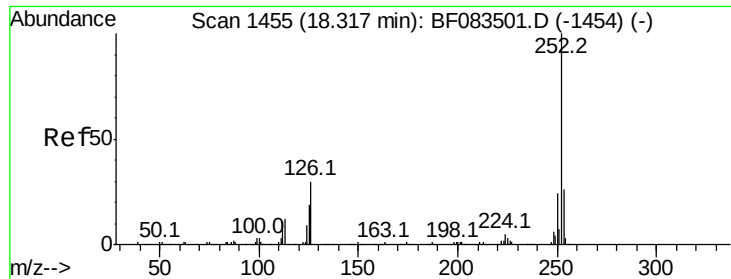
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12/8/2015 6:15:50 PM



#87
Benzo(b)fluoranthene
Concen: 32.93 ng m
RT: 18.27 min Scan# 1451
Delta R.T. -0.02 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	13.6	8.2	12.4#





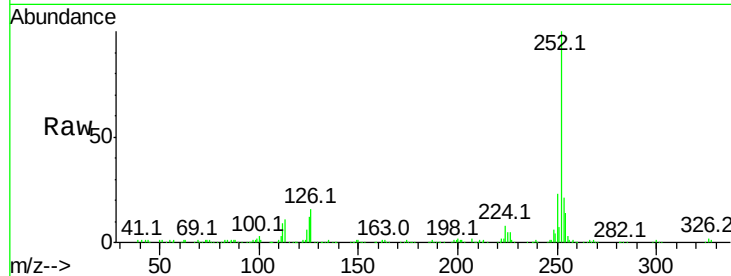
#88
Benzo(k)fluoranthene
Concen: 6.19 ng m
RT: 18.29 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

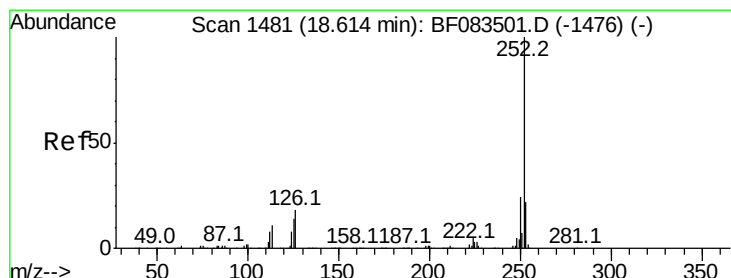
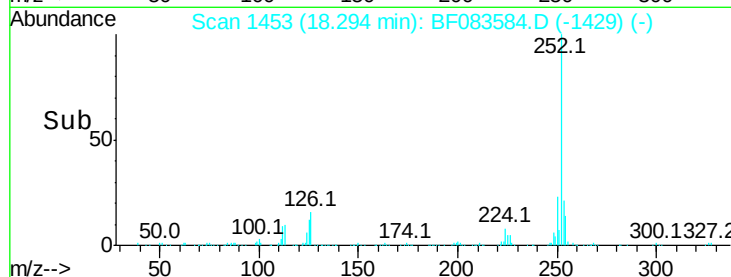
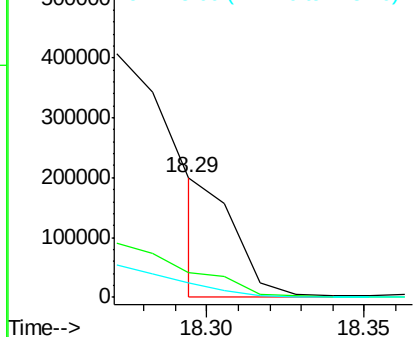
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.6	27.8
125	12.1	11.5	17.3

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12/8/2015 6:15:50 PM



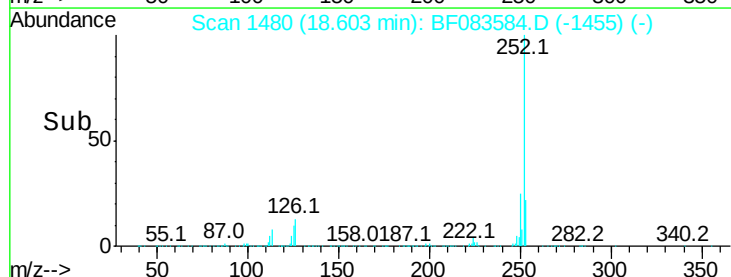
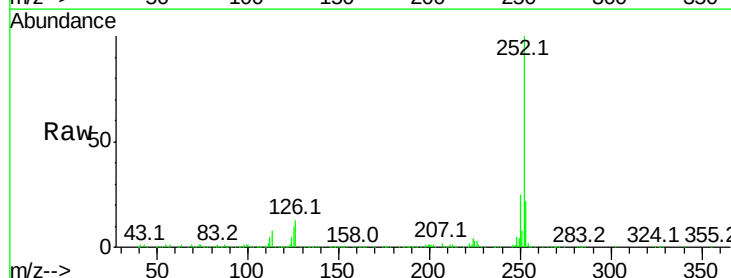
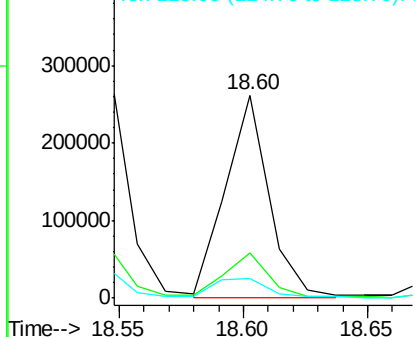
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

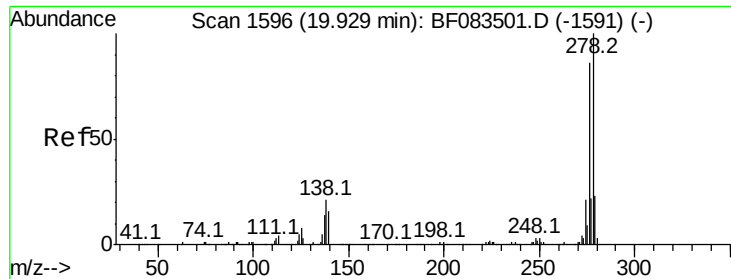


#89
Benzo(a)pyrene
Concen: 15.80 ng m
RT: 18.60 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	9.7	11.0	16.6

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





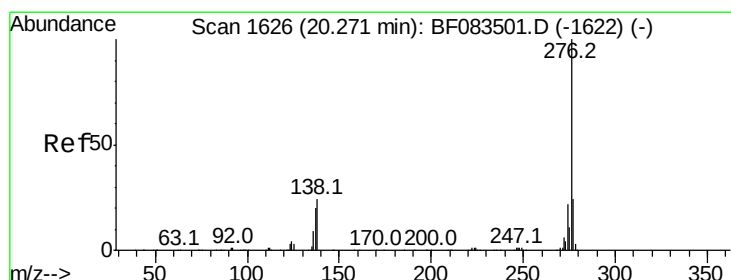
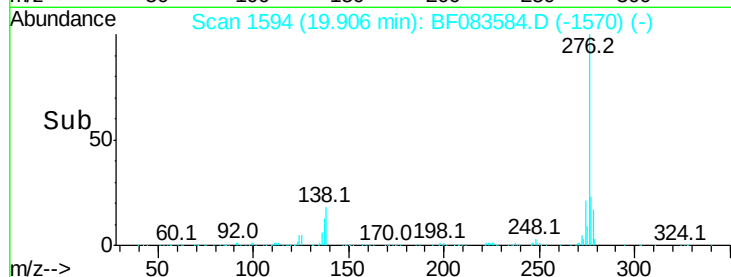
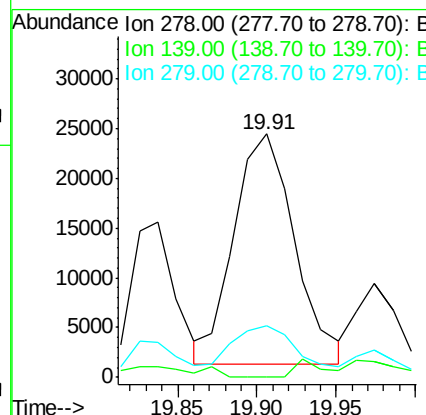
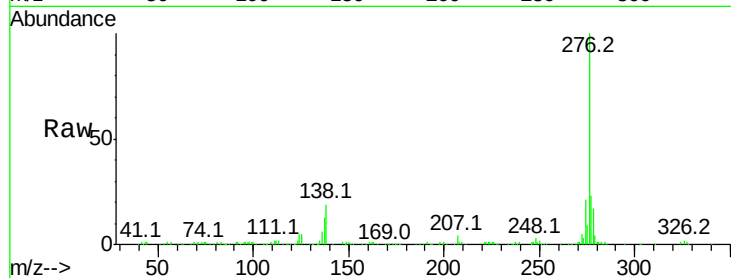
#90
Dibenzo(a,h)anthracene
Concen: 3.17 ng/mL
RT: 19.91 min Scan# 1594
Delta R.T. -0.02 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-13(0-8)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2
279	21.3	18.6	28.0

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12/8/2015 6:15:50 PM



#91
Benzo(g,h,i)perylene
Concen: 16.84 ng/mL
RT: 20.26 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BF083584.D
Acq: 8 Dec 2015 6:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	21.7	19.5	29.3

