

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
 Data File : BF081265.D
 Acq On : 28 Aug 2015 6:14
 Operator : UM/IZ
 Sample : G3430-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB1(2-4)

Manual Integrations
 APPROVED

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 8/28/2015 2:23:23 PM

Quant Time: Aug 28 07:01:59 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	51003	20.00	ng	-0.04
21) Naphthalene-d8	7.79	136	199383	20.00	ng	-0.04
38) Acenaphthene-d10	9.53	164	84081	20.00	ng	-0.05
63) Phenanthrene-d10	11.01	188	152611	20.00	ng	-0.04
75) Chrysene-d12	13.61	240	102292	20.00	ng	-0.05
86) Perylene-d12	14.94	264	87672	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.07	112	400975	118.25	ng	-0.02
7) Phenol-d6	6.16	99	474623	107.28	ng	-0.04
23) Nitrobenzene-d5	7.07	82	310250	71.08	ng	-0.05
41) 2,4,6-Tribromophenol	10.32	330	80574	110.55	ng	-0.04
44) 2-Fluorobiphenyl	8.87	172	459581	71.62	ng	-0.04
78) Terphenyl-d14	12.58	244	303777	63.67	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.27	163	61558	8.89	ng	99
70) Phenanthrene	11.03	178	116926	12.93	ng	98
71) Anthracene	11.07	178	18072m	2.05	ng	
74) Fluoranthene	12.21	202	153358	15.71	ng	98
77) Pyrene	12.42	202	116438	14.00	ng	98
80) Benzo(a)anthracene	13.60	228	56262m	8.20	ng	
82) Chrysene	13.64	228	50738m	8.21	ng	
83) Bis(2-ethylhexyl)phthalate	13.64	149	21509	4.70	ng	99
85) Indeno(1,2,3-cd)pyrene	16.09	276	25290	5.83	ng	# 88
87) Benzo(b)fluoranthene	14.60	252	70857m	11.43	ng	
88) Benzo(k)fluoranthene	14.61	252	26119m	4.52	ng	
89) Benzo(a)pyrene	14.89	252	35524	6.57	ng	# 96
91) Benzo(g,h,i)perylene	16.44	276	22078	5.17	ng	# 84

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

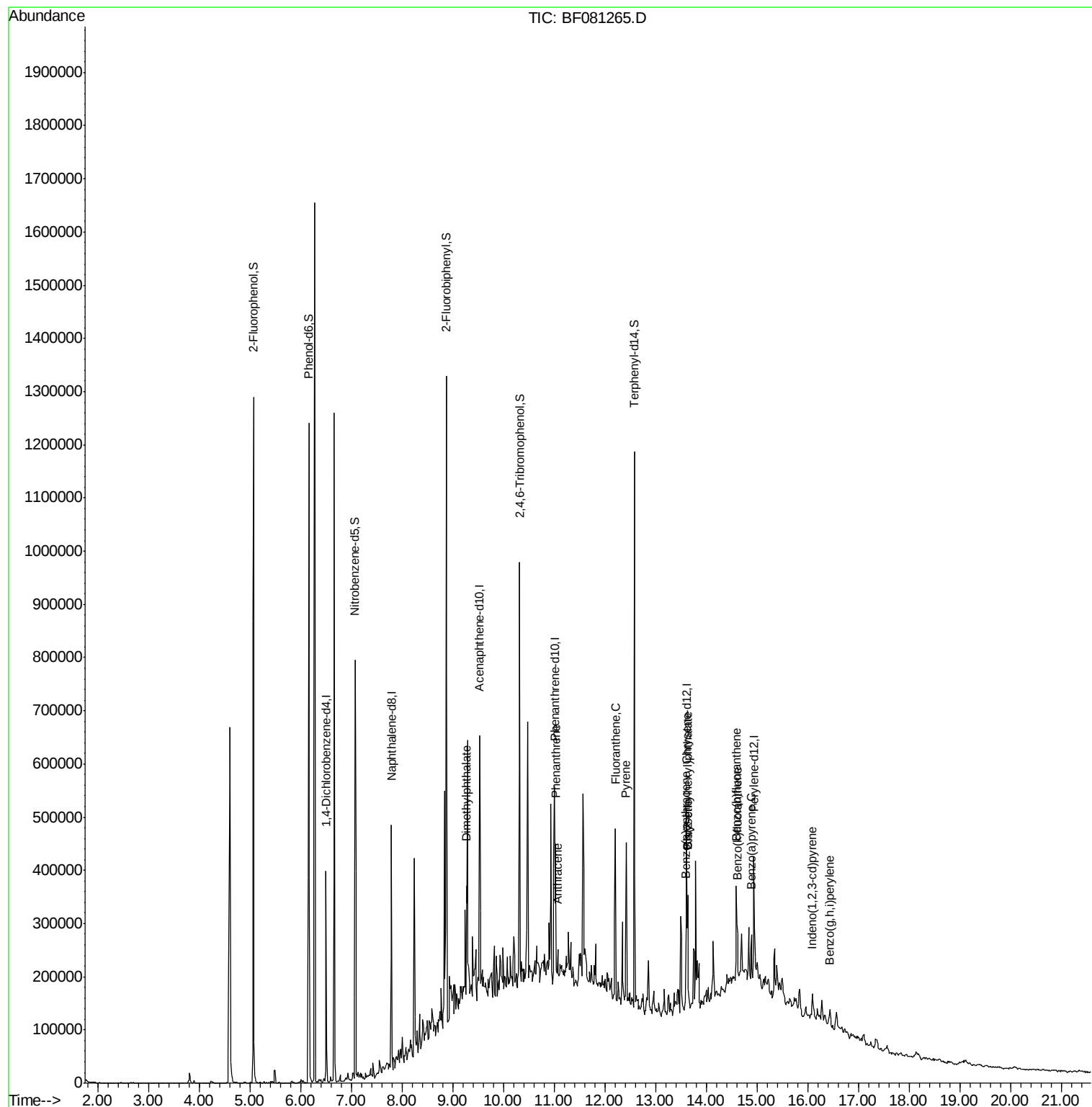
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082815\
Data File : BF081265.D
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Operator : UM/IZ
Sample : G3430-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

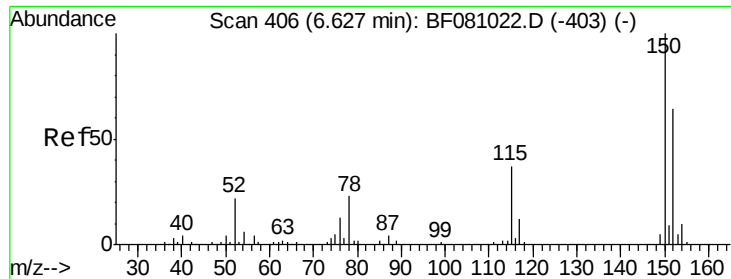
Instrument :
BNA_F
ClientSampleId :
SB1(2-4)

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
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#1

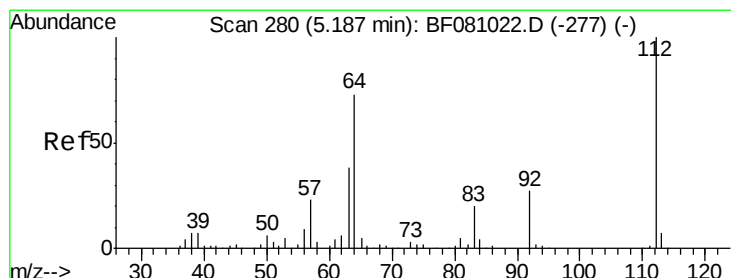
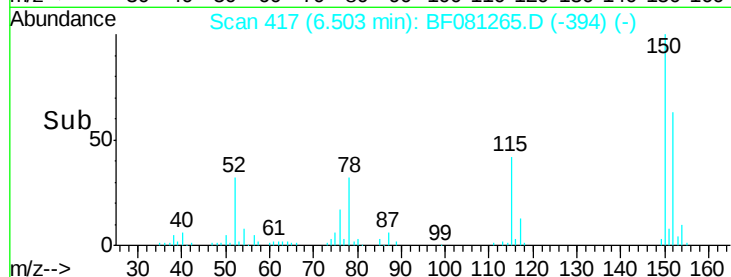
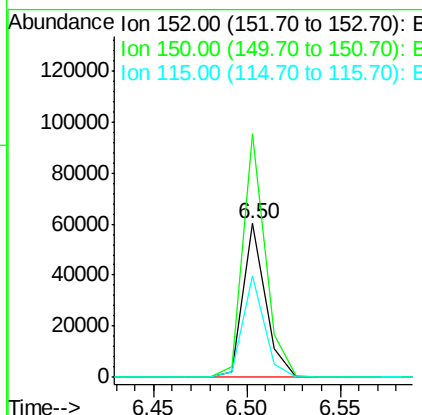
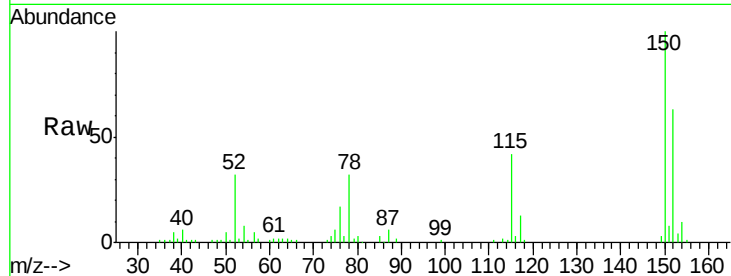
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.50 min Scan# 417
Delta R.T. -0.04 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Instrument :
BNA_F
ClientSampleId :
SB1(2-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
150	158.1	123.8	185.6
115	66.2	52.1	78.1

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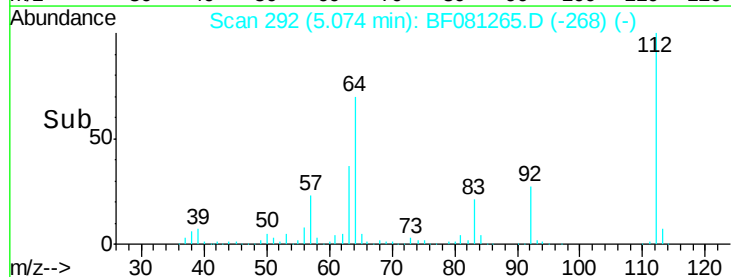
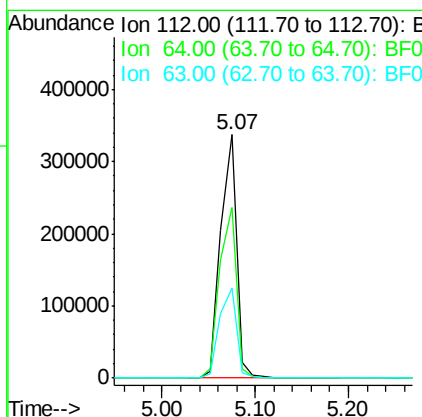
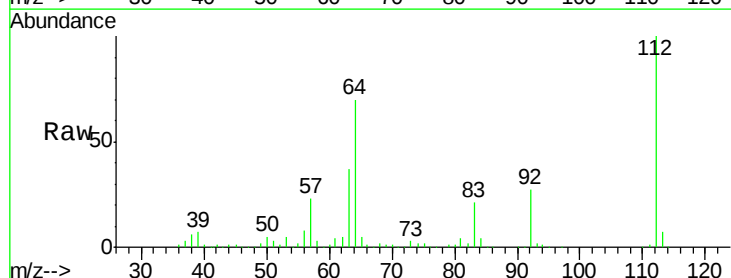
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#5

2-Fluorophenol
Concen: 118.25 ng
RT: 5.07 min Scan# 292
Delta R.T. -0.02 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
112	100		
64	70.3	66.9	100.3
63	37.0	38.1	57.1#





#7

Phenol-d6

Concen: 107.28 ng

RT: 6.16 min Scan# 387

Delta R.T. -0.04 min

Lab File: BF081265.D

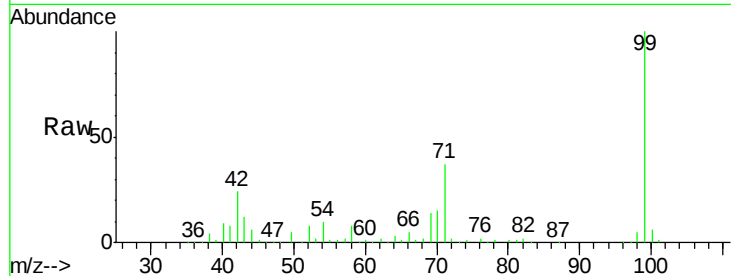
Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

ClientSampleId :

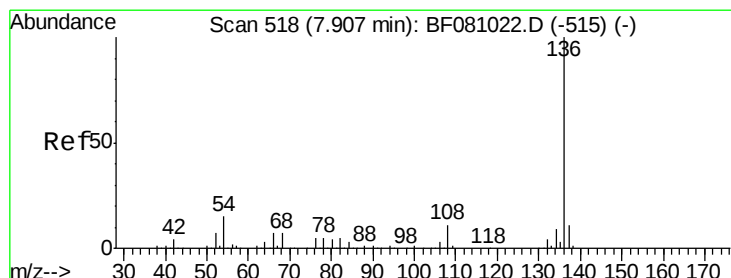
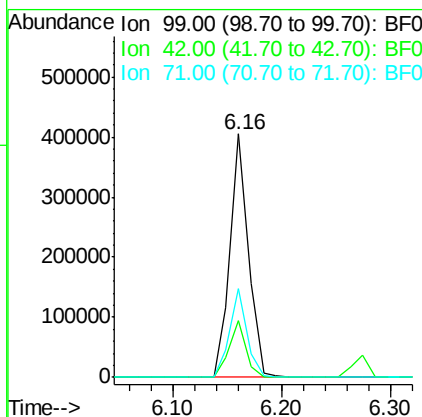
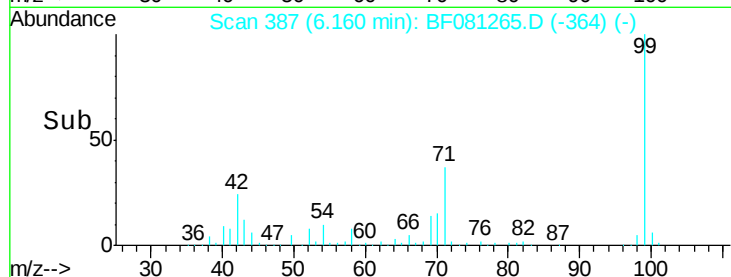
SB1(2-4)



Tgt Ion:	99	Resp:	474623
Ion Ratio	Lower	Upper	
99	100		
42	23.5	19.6	29.4
71	36.7	31.2	46.8

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#21

Naphthalene-d8

Concen: 20.00 ng

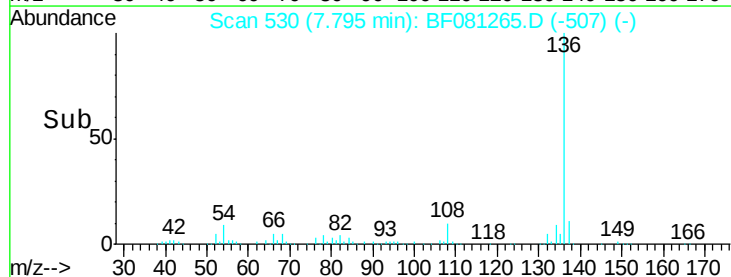
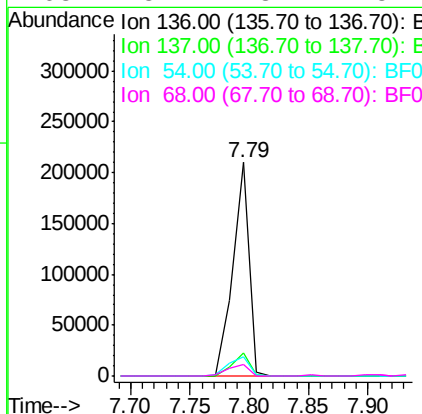
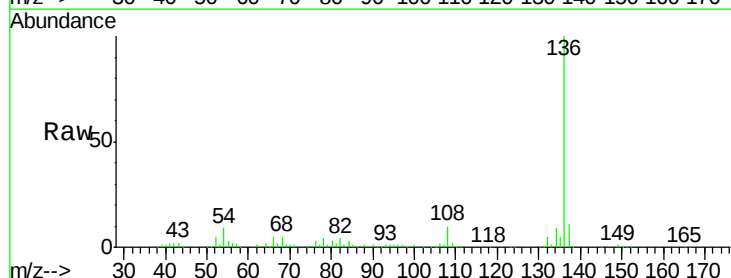
RT: 7.79 min Scan# 530

Delta R.T. -0.04 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Tgt Ion:	136	Resp:	199383
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.2	12.2
54	9.1	7.7	11.5
68	5.2	3.4	5.2#





#23

Nitrobenzene-d5

Concen: 71.08 ng

RT: 7.07 min Scan# 467

Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

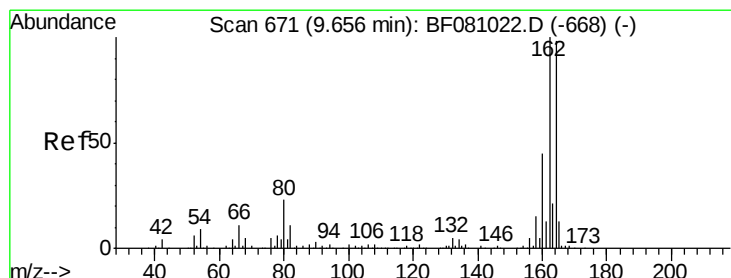
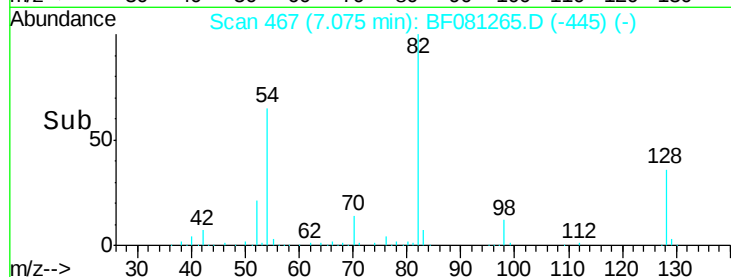
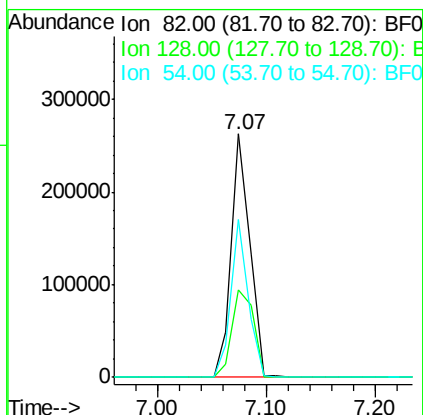
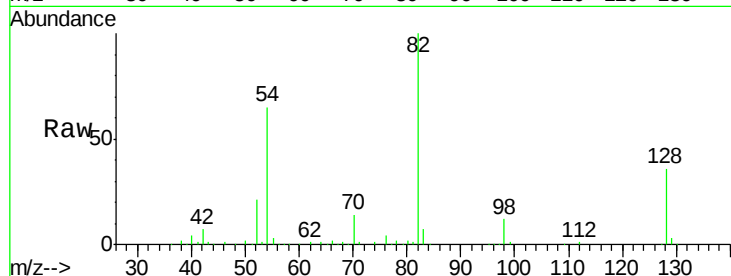
ClientSampleId :

SB1(2-4)

Tgt Ion:	82	Resp:	310250
Ion Ratio		Lower	Upper
82	100		
128	35.8	28.6	42.8
54	64.7	55.1	82.7

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#38

Acenaphthene-d10

Concen: 20.00 ng

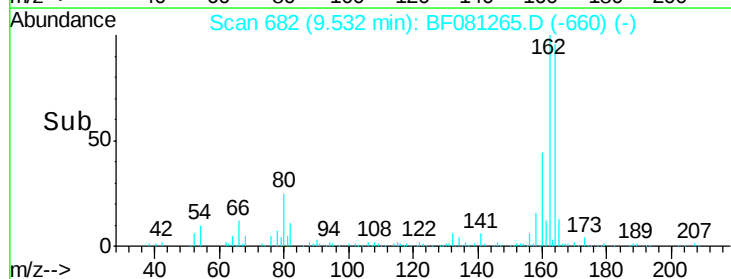
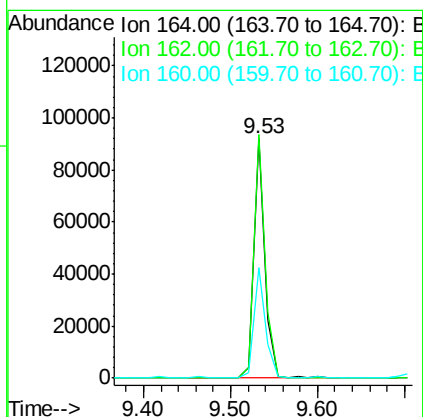
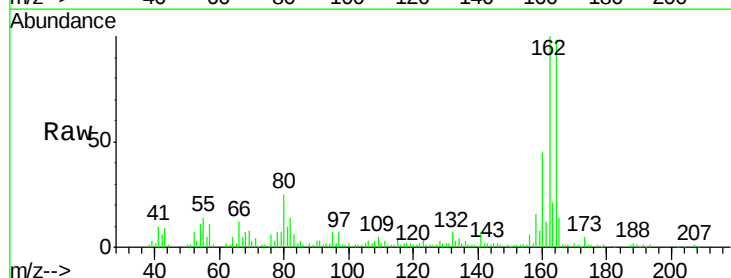
RT: 9.53 min Scan# 682

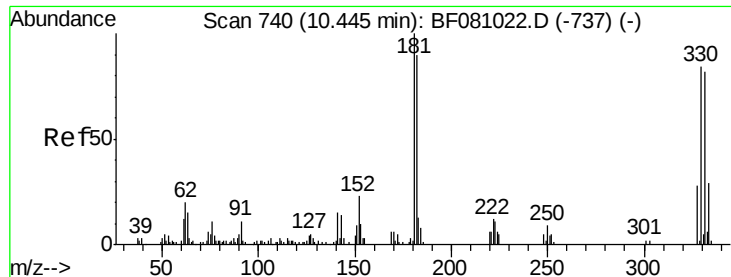
Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Tgt Ion:	164	Resp:	84081
Ion Ratio		Lower	Upper
164	100		
162	101.6	83.8	125.8
160	46.0	39.8	59.8





#41

2,4,6-Tribromophenol

Concen: 110.55 ng

RT: 10.32 min Scan# 751

Delta R.T. -0.04 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

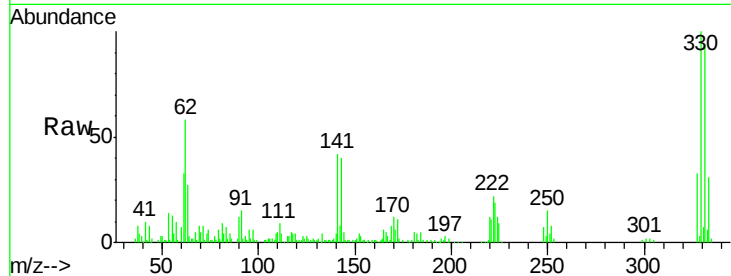
ClientSampleId :

SB1(2-4)

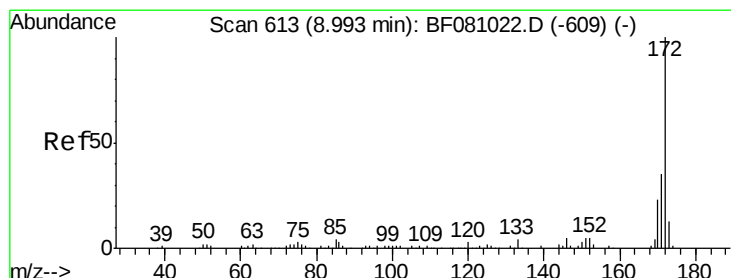
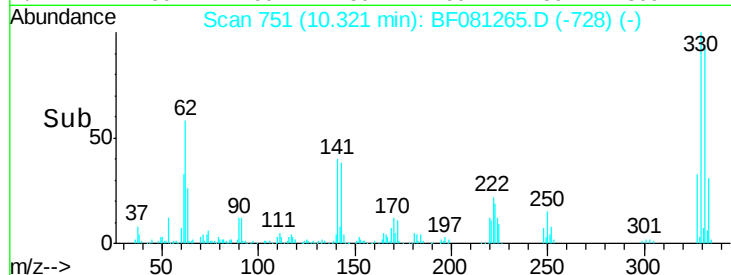
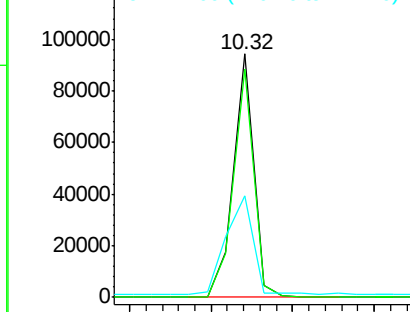
Tgt Ion:	330	Resp:	80574
Ion Ratio	Lower	Upper	
330	100		
332	94.1	77.3	115.9
141	53.8	44.9	67.3

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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: 71.62 ng

RT: 8.87 min Scan# 624

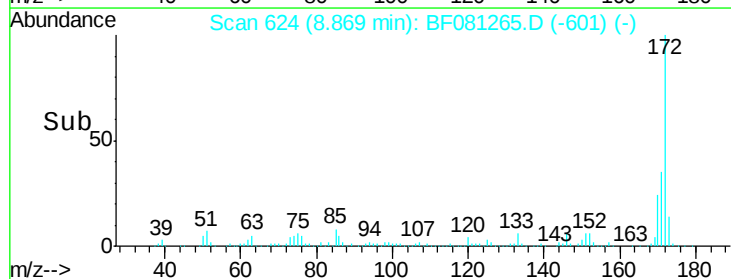
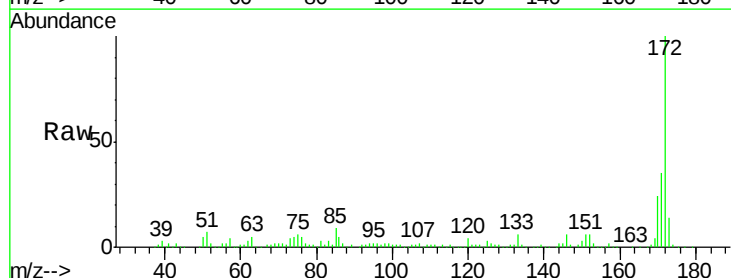
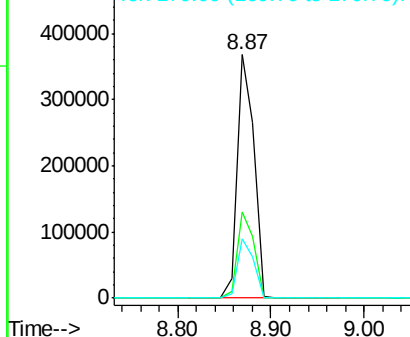
Delta R.T. -0.04 min

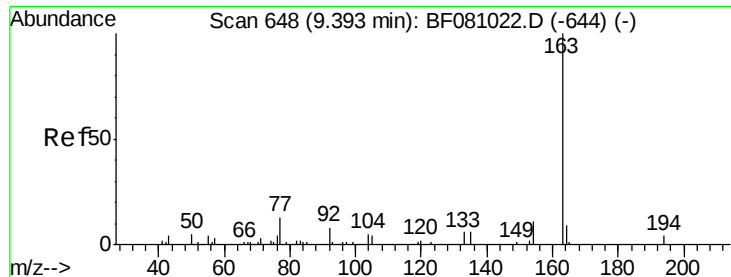
Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Tgt Ion:	172	Resp:	459581
Ion Ratio	Lower	Upper	
172	100		
171	35.4	28.9	43.3
170	24.2	19.4	29.2

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





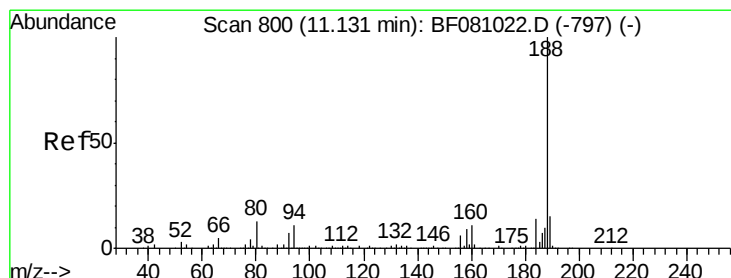
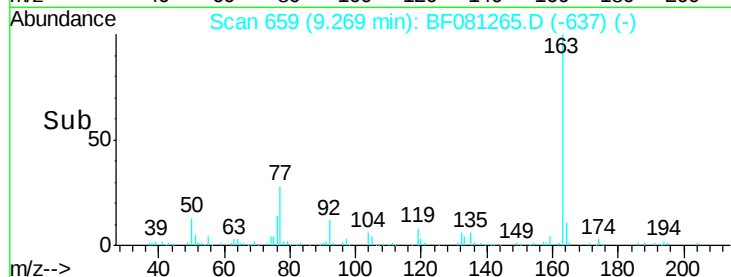
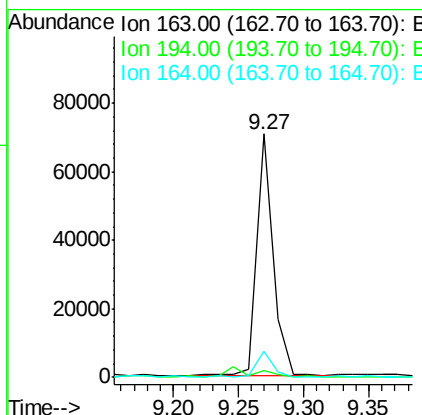
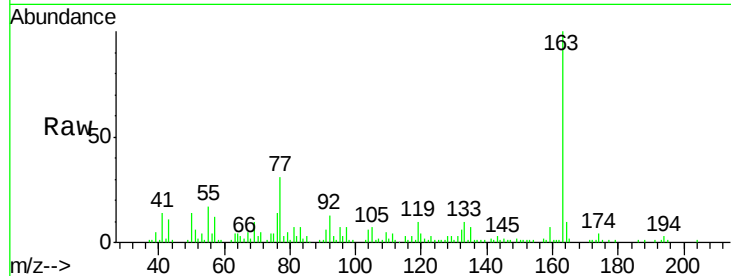
#49
Dimethylphthalate
Concen: 8.89 ng
RT: 9.27 min Scan# 659
Delta R.T. -0.05 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Instrument :
BNA_F
ClientSampleId :
SB1(2-4)

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	2.9	2.5	3.7
164	10.5	8.1	12.1

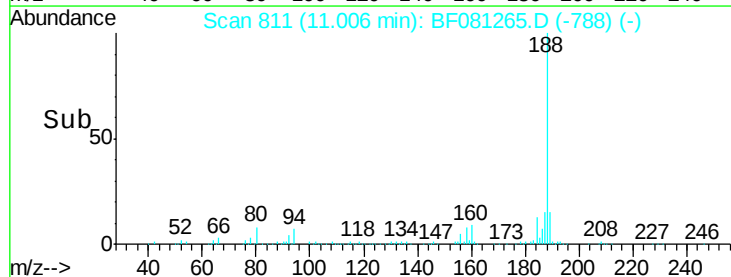
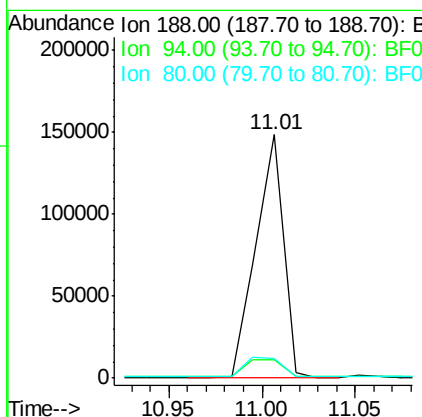
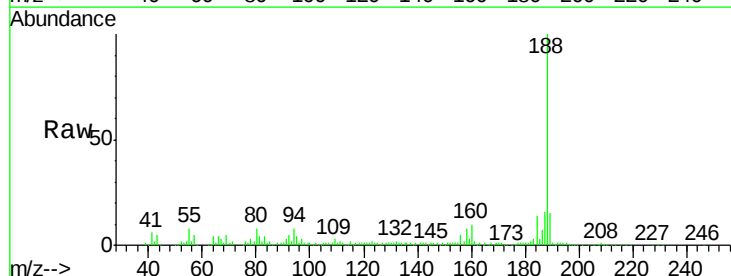
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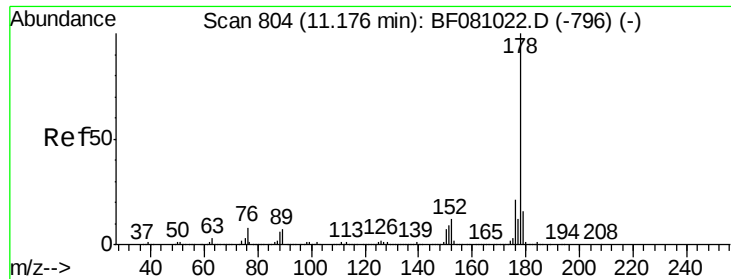
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.01 min Scan# 811
Delta R.T. -0.04 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	7.6	8.2	12.2#
80	8.0	9.5	14.3#





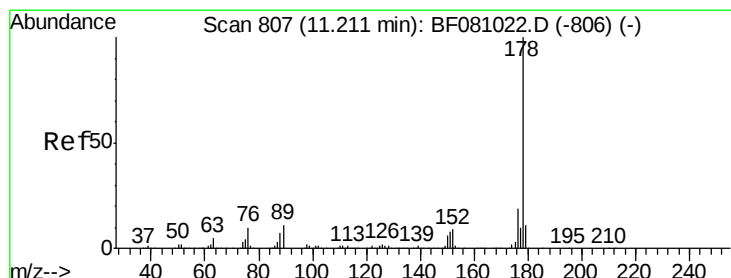
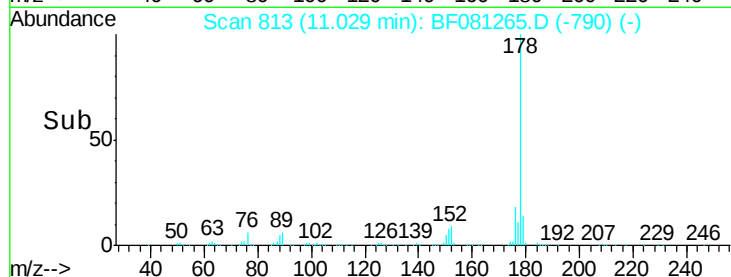
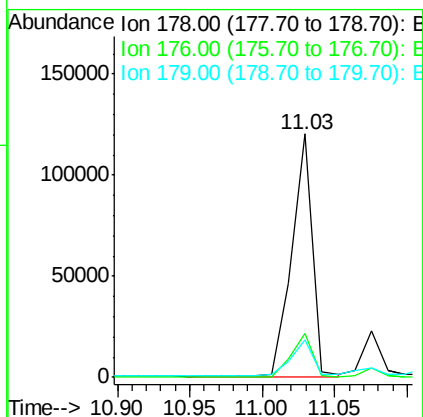
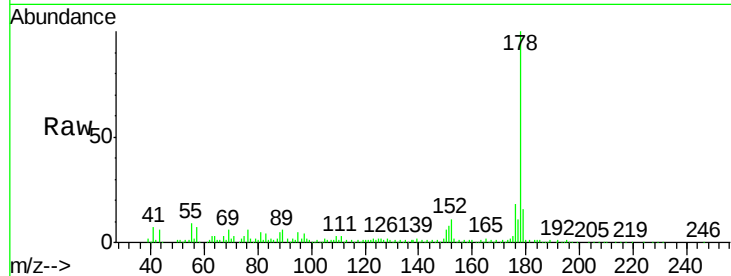
#70
Phenanthrene
Concen: 12.93 ng
RT: 11.03 min Scan# 813
Delta R.T. -0.04 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Instrument :
BNA_F
ClientSampleId :
SB1(2-4)

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	116926		
176	18.3	15.7	23.5	
179	15.5	12.2	18.2	

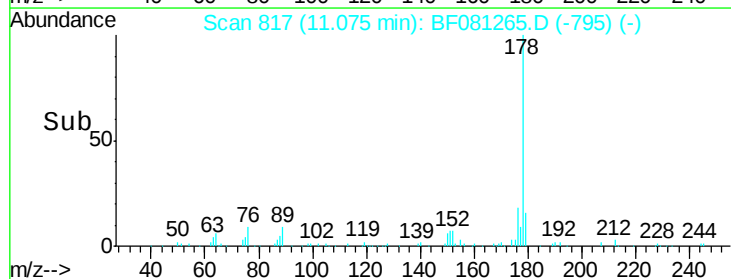
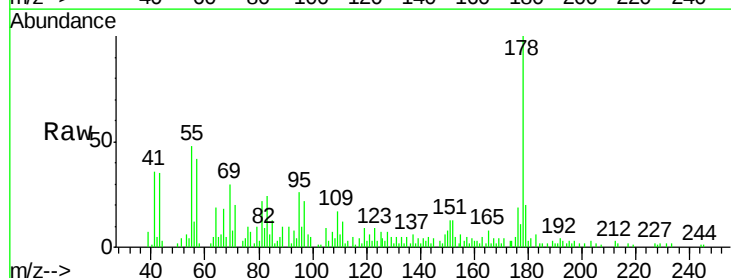
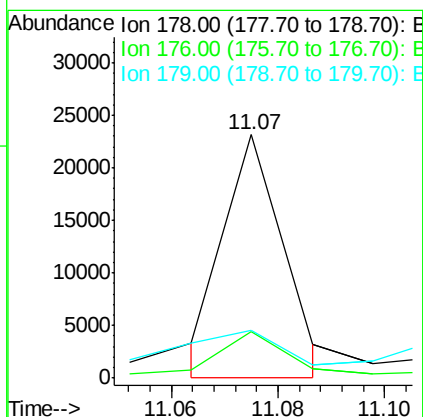
Manual Integrations
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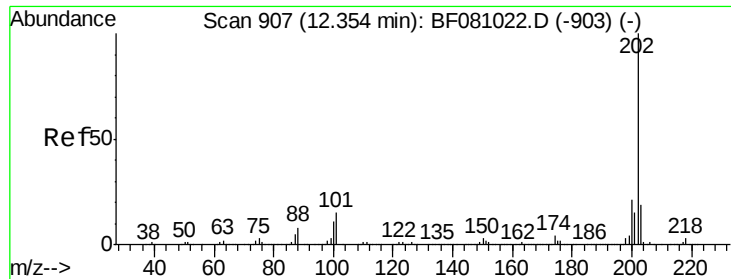
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#71
Anthracene
Concen: 2.05 ng m
RT: 11.07 min Scan# 817
Delta R.T. -0.05 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	18072		
176	19.1	15.7	23.5	
179	19.8	12.7	19.1#	





#74

Fluoranthene

Concen: 15.71 ng

RT: 12.21 min Scan# 916

Delta R.T. -0.04 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

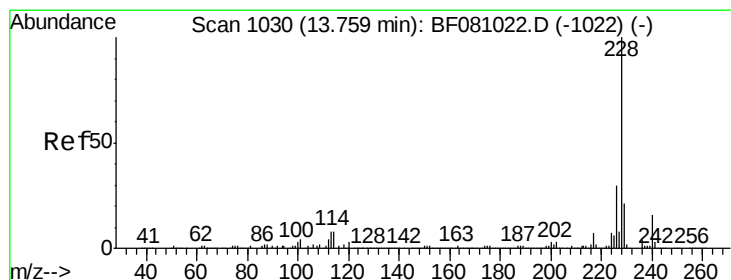
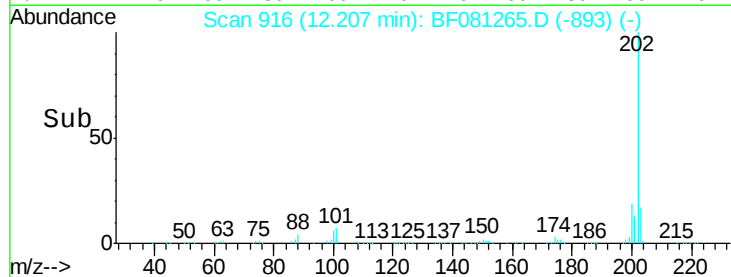
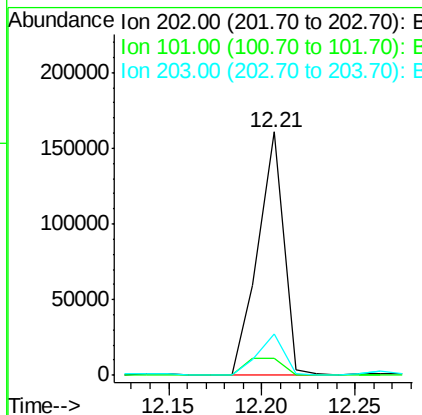
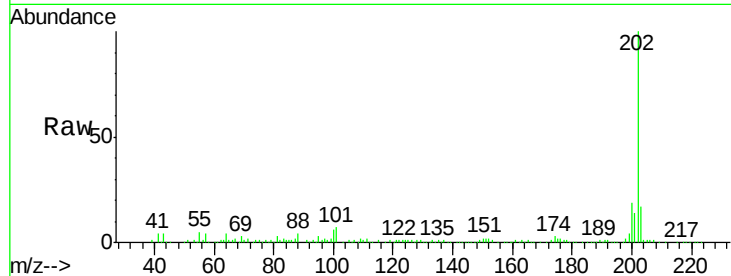
ClientSampleId :

SB1(2-4)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		153358		
101	6.9	0.0	24.8		
203	17.0	0.0	36.9		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

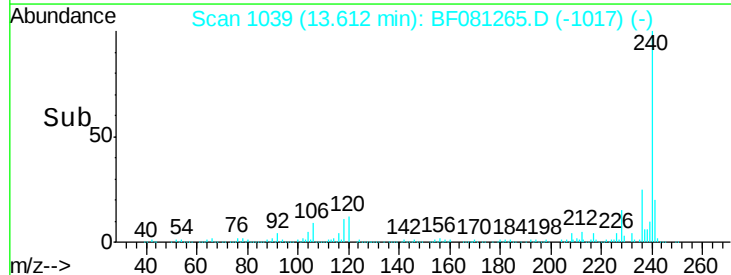
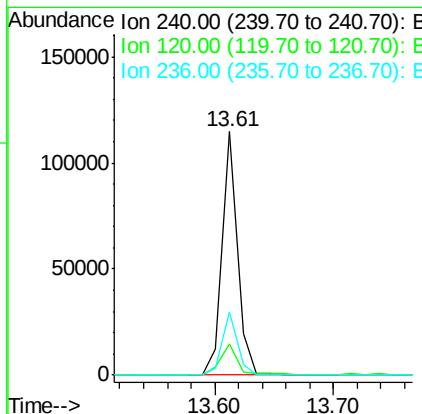
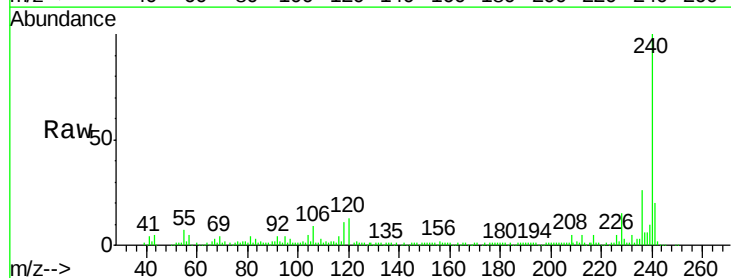
RT: 13.61 min Scan# 1039

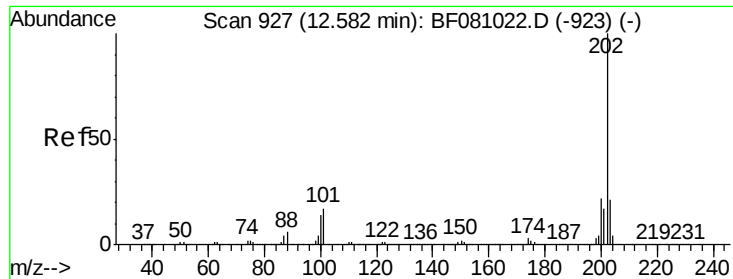
Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		102292		
120	12.5	5.6	8.4#		
236	25.9	20.6	30.8		





#77

Pyrene

Concen: 14.00 ng

RT: 12.42 min Scan# 935

Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

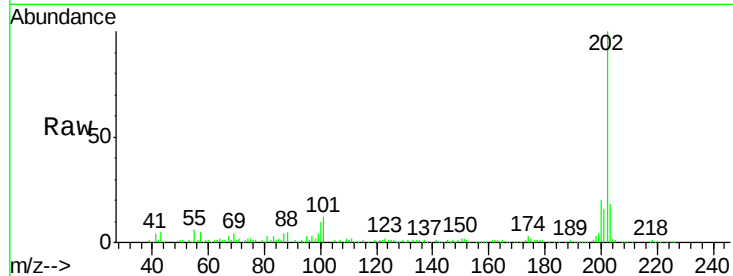
ClientSampleId :

SB1(2-4)

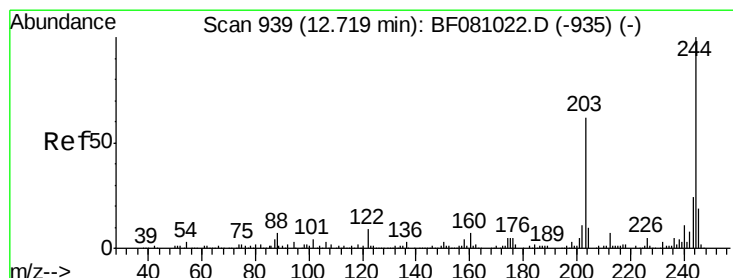
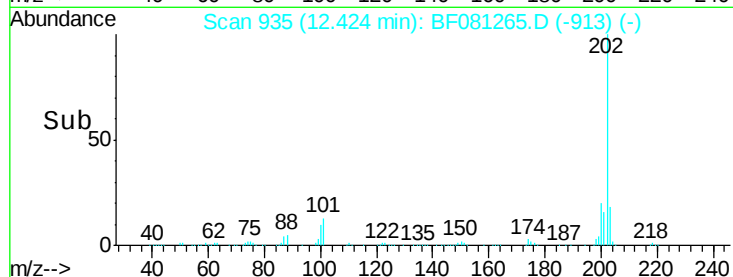
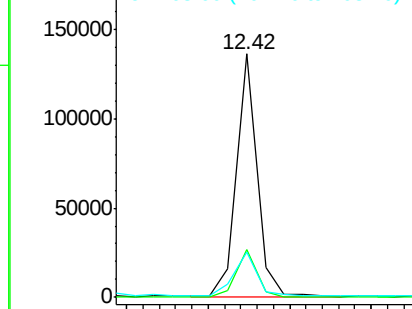
Tgt Ion:	202	Resp:	116438
Ion Ratio	Lower	Upper	
202	100		
200	19.7	16.6	24.8
203	18.5	14.1	21.1

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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: 63.67 ng

RT: 12.58 min Scan# 949

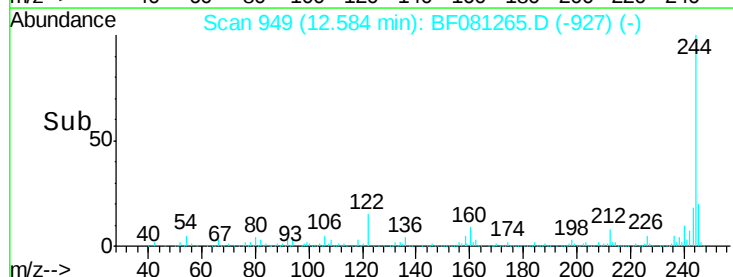
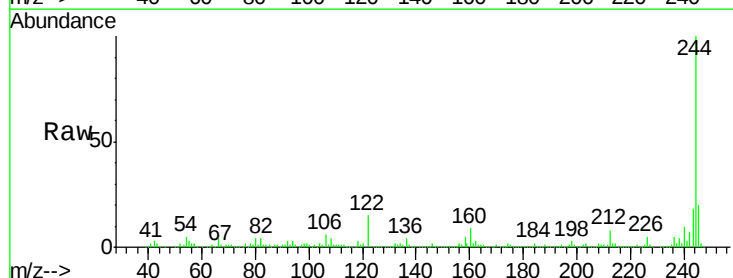
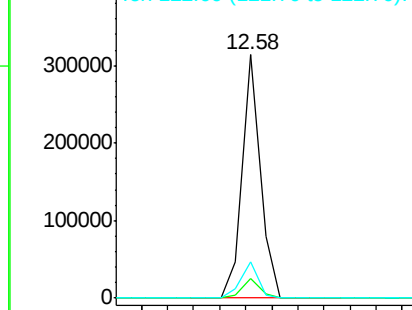
Delta R.T. -0.05 min

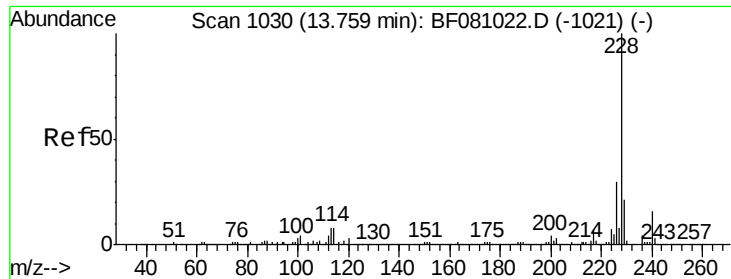
Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Tgt Ion:	244	Resp:	303777
Ion Ratio	Lower	Upper	
244	100		
212	8.2	5.8	8.8
122	14.9	8.2	12.4#

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: 8.20 ng m

RT: 13.60 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

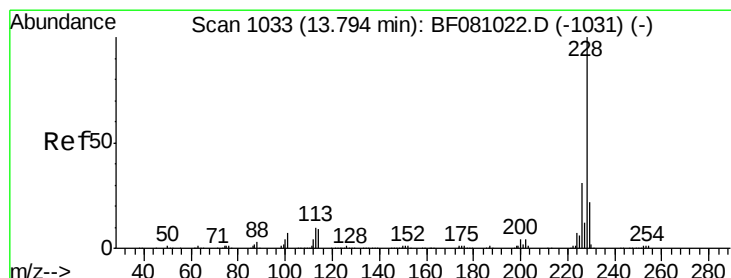
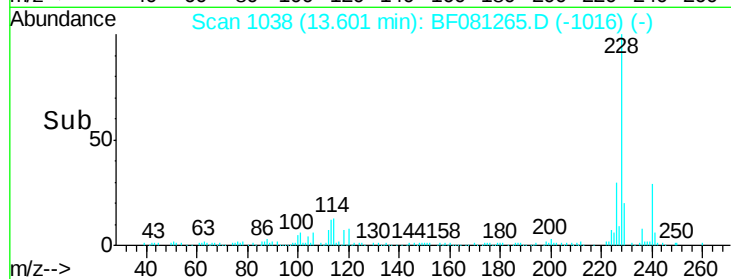
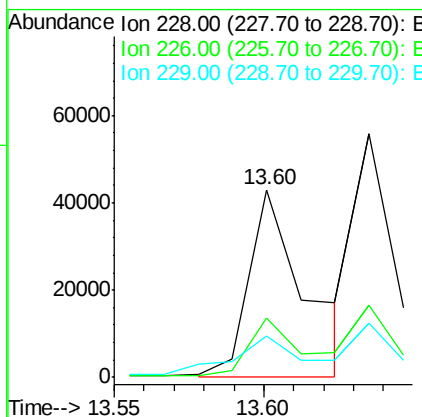
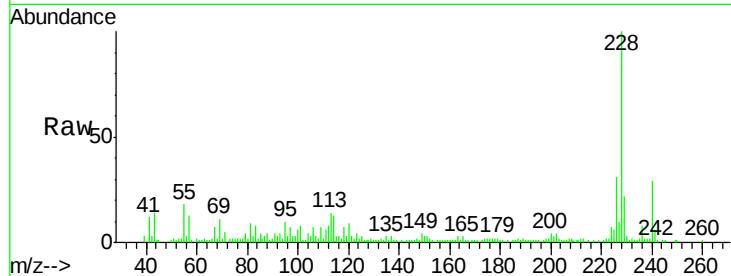
ClientSampleId :

SB1(2-4)

Tgt Ion:	228	Resp:	56262
Ion Ratio	Lower	Upper	
228	100		
226	31.4	22.3	33.5
229	22.0	15.9	23.9

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#82

Chrysene

Concen: 8.21 ng m

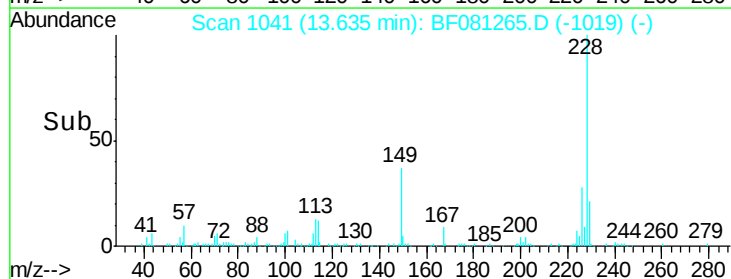
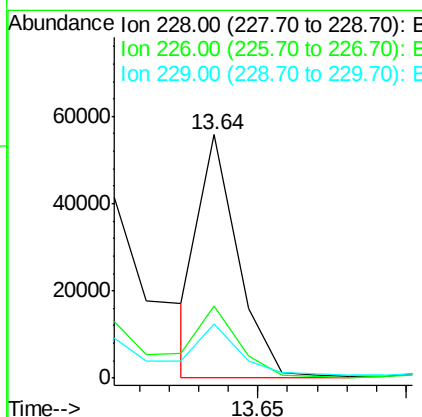
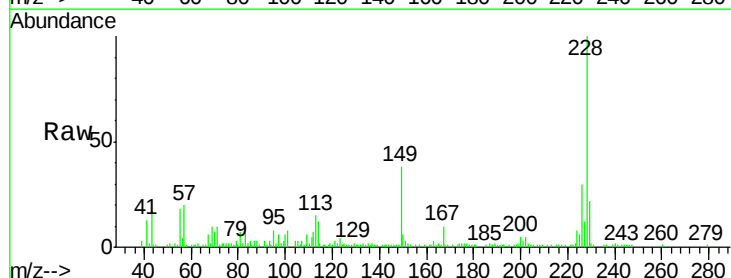
RT: 13.64 min Scan# 1041

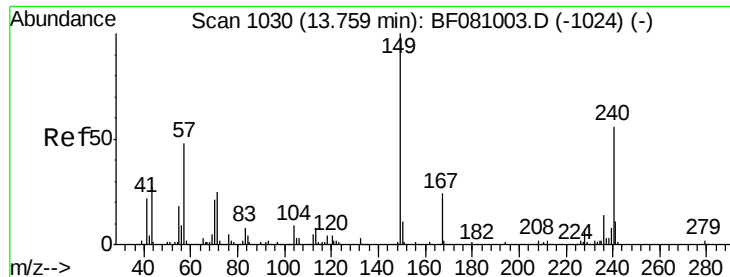
Delta R.T. -0.05 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Tgt Ion:	228	Resp:	50738
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.4	36.6
229	22.2	16.0	24.0





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.70 ng

RT: 13.64 min Scan# 1041

Delta R.T. -0.04 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

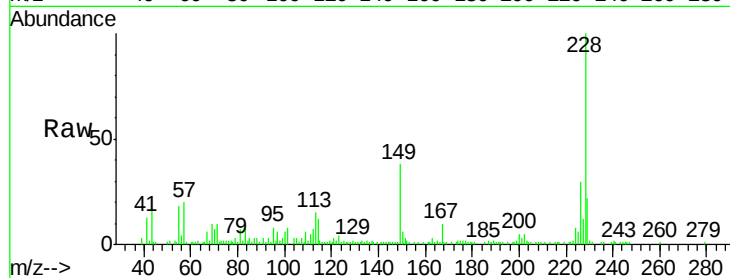
ClientSampleId :

SB1(2-4)

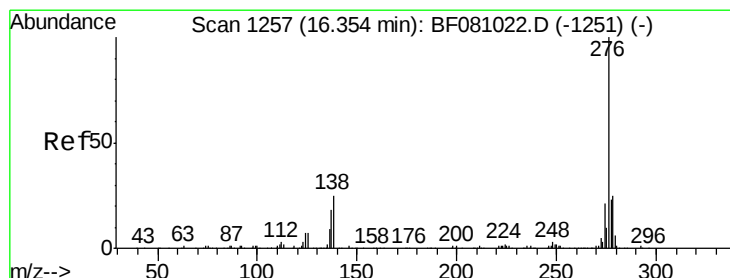
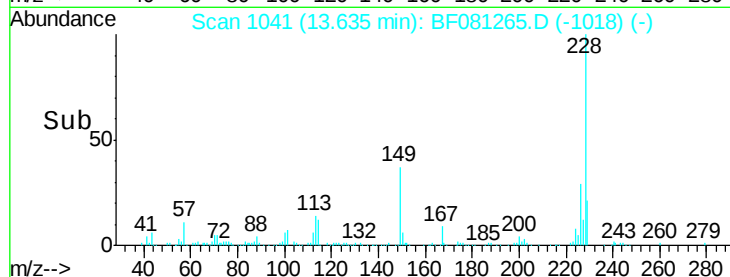
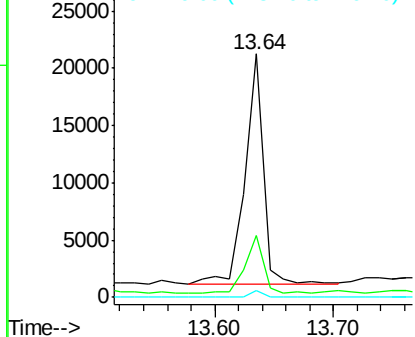
Tgt Ion:	149	Resp:	21509
Ion Ratio	Lower	Upper	
149	100		
167	25.4	20.7	31.1
279	2.6	2.2	3.4

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 5.83 ng

RT: 16.09 min Scan# 1256

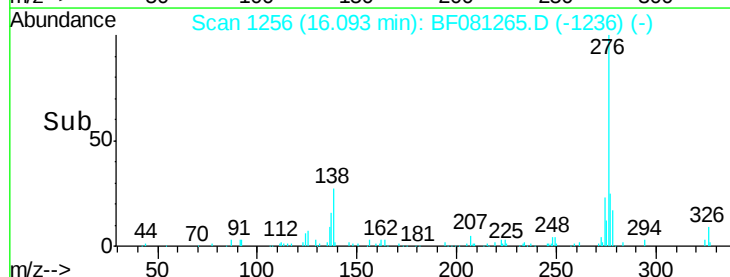
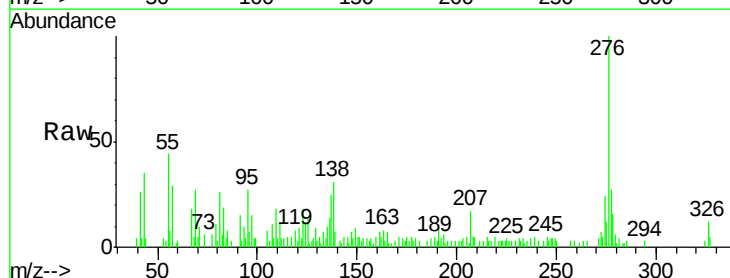
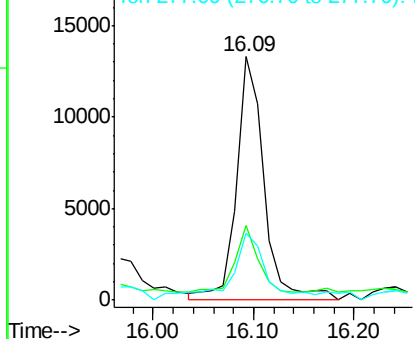
Delta R.T. -0.07 min

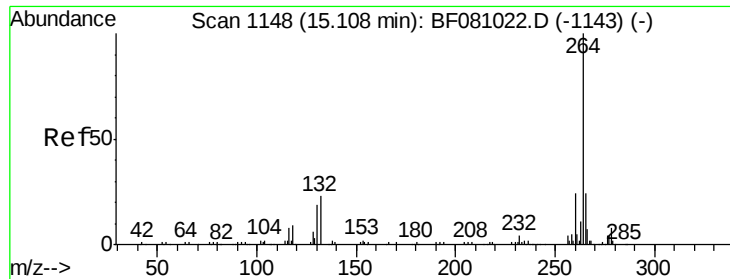
Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Tgt Ion:	276	Resp:	25290
Ion Ratio	Lower	Upper	
276	100		
138	23.3	18.6	28.0
277	36.4	19.8	29.8#

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





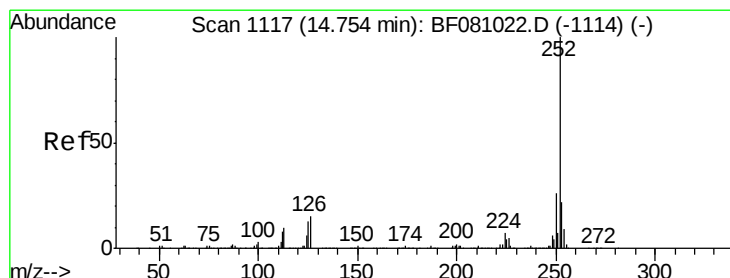
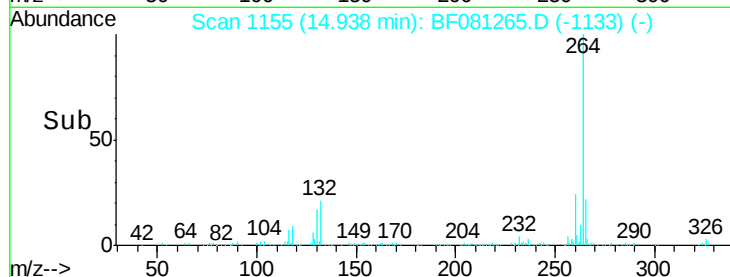
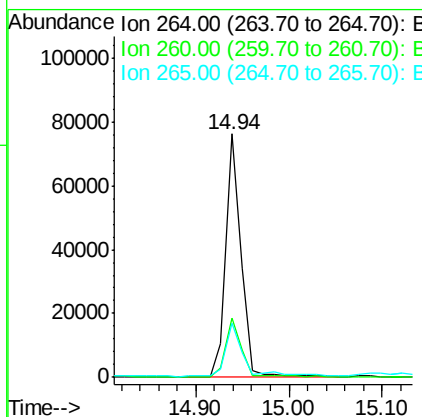
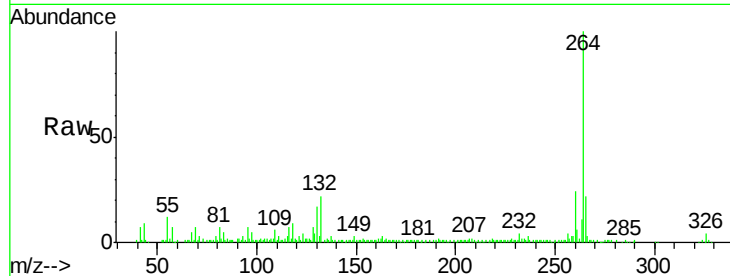
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.94 min Scan# 1155
Delta R.T. -0.05 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Instrument :
BNA_F
ClientSampled :
SB1(2-4)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	22.3	17.5	26.3

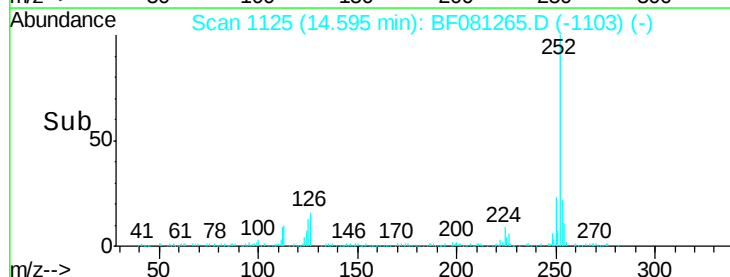
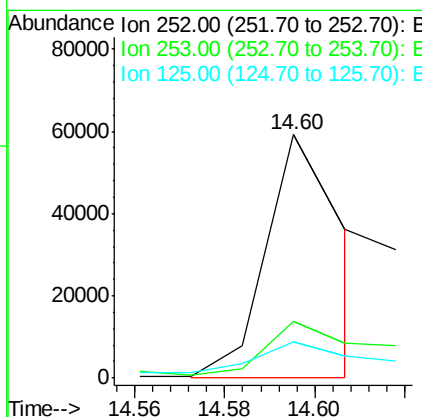
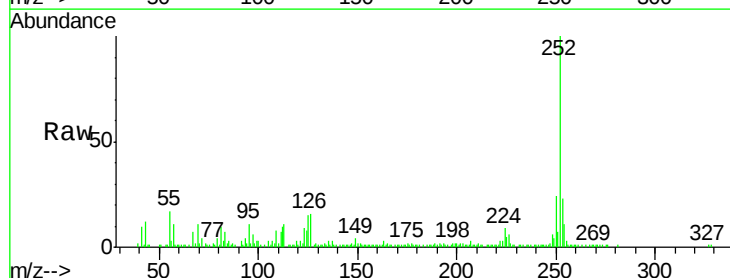
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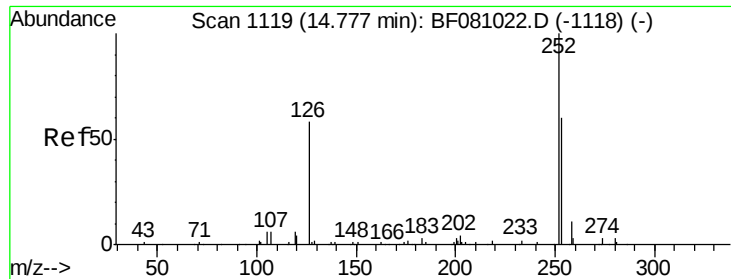
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#87
Benzo(b)fluoranthene
Concen: 11.43 ng m
RT: 14.60 min Scan# 1125
Delta R.T. -0.05 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	14.7	8.0	12.0#





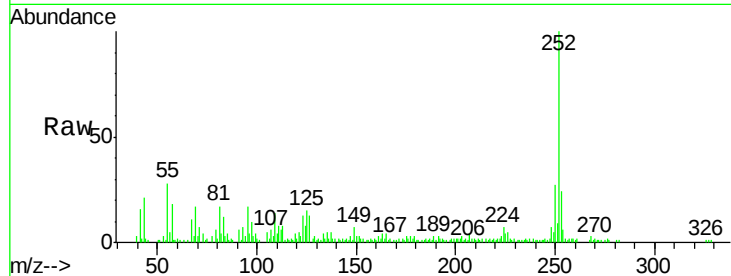
#88
Benzo(k)fluoranthene
Concen: 4.52 ng m
RT: 14.61 min Scan# 1126
Delta R.T. -0.06 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Instrument :
BNA_F
ClientSampleId :
SB1(2-4)

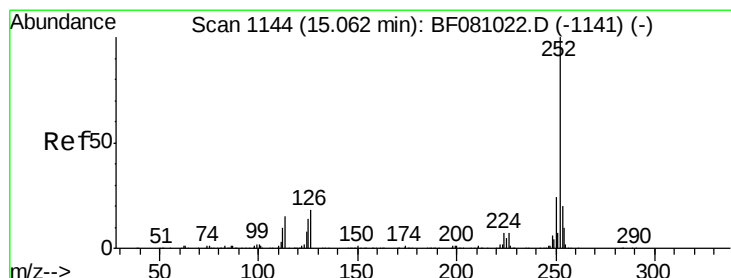
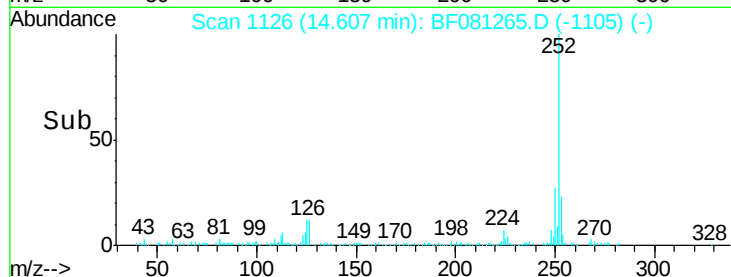
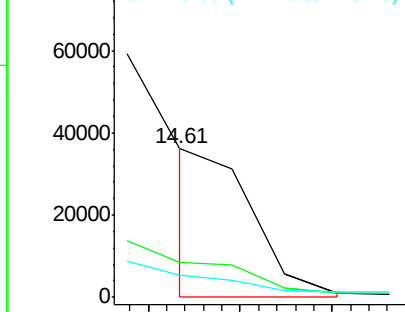
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	15.2	10.3	15.5

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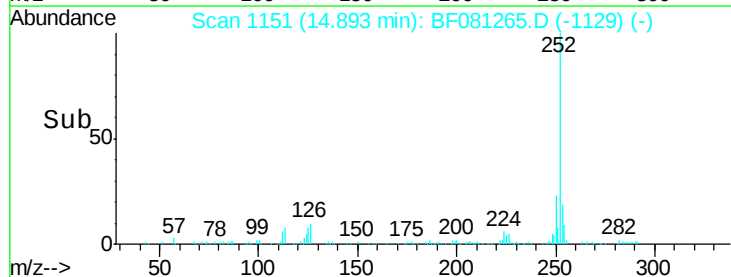
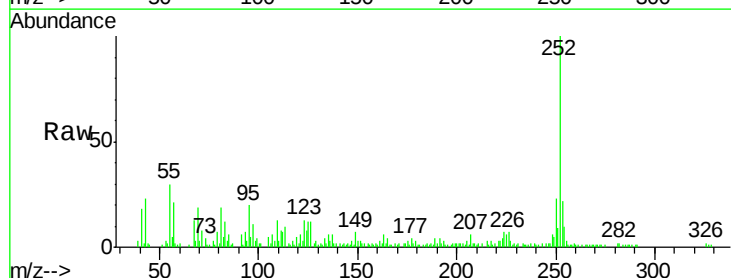
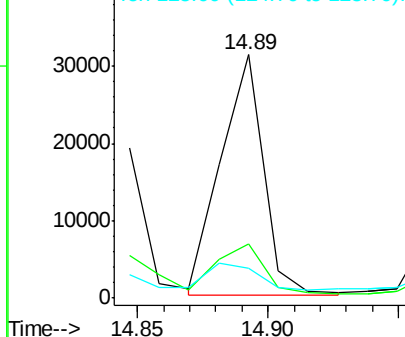
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

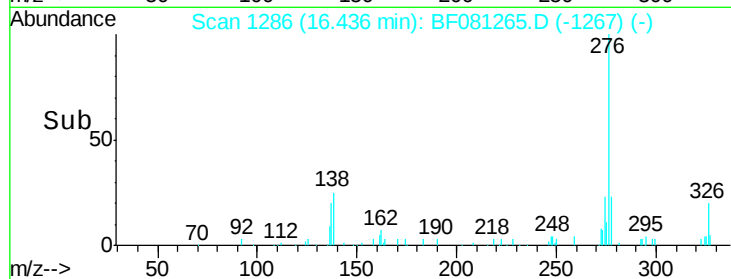
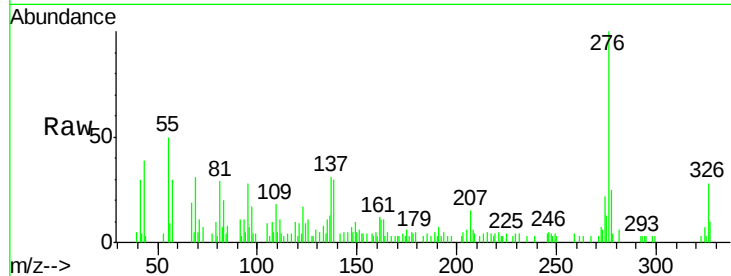
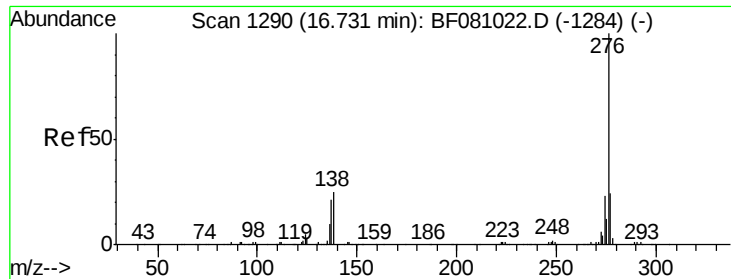


#89
Benzo(a)pyrene
Concen: 6.57 ng
RT: 14.89 min Scan# 1151
Delta R.T. -0.05 min
Lab File: BF081265.D
Acq: 28 Aug 2015 6:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.6	25.0
125	12.0	7.8	11.8

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





#91

Benzo(g,h,i)perylene

Concen: 5.17 ng

RT: 16.44 min Scan# 1286

Delta R.T. -0.08 min

Lab File: BF081265.D

Acq: 28 Aug 2015 6:14

Instrument :

BNA_F

ClientSampleId :

SB1(2-4)

Tgt Ion: 276 Resp: 22078

Ion Ratio Lower Upper

276 100

277 25.5 18.2 27.2

138 29.9 13.7 20.5

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