

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083037.D
 Acq On : 19 Nov 2015 5:14
 Operator : UM/IZ
 Sample : G4436-05
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579

Manual Integrations
 APPROVED

Mmdadoda
 11/19/2015 6:45:19 PM

Quant Time: Nov 19 06:51:22 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	115105	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	451534	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	208254	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	372037	20.00	ng	0.00
75) Chrysene-d12	13.88	240	280484	20.00	ng	-0.01
86) Perylene-d12	15.28	264	219280	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1010097	136.54	ng	0.01
7) Phenol-d6	6.40	99	1494323	151.94	ng	0.00
23) Nitrobenzene-d5	7.30	82	776609	74.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	221599	92.80	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1257387	86.54	ng	0.00
78) Terphenyl-d14	12.84	244	782479	66.17	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.63	152	55743	2.55	ng	95
49) Dimethylphthalate	9.49	163	320349	18.78	ng	99
70) Phenanthrene	11.28	178	282850	13.09	ng	96
71) Anthracene	11.32	178	75698	3.33	ng	96
74) Fluoranthene	12.47	202	463400	19.99	ng	94
77) Pyrene	12.68	202	360079	18.69	ng	97
80) Benzo(a)anthracene	13.87	228	215674	12.30	ng	97
82) Chrysene	13.91	228	146562m	9.12	ng	
85) Indeno(1,2,3-cd)pyrene	16.59	276	65371	4.72	ng	98
87) Benzo(b)fluoranthene	14.89	252	210872m	14.98	ng	
88) Benzo(k)fluoranthene	14.91	252	72023m	5.77	ng	
89) Benzo(a)pyrene	15.22	252	115566	9.48	ng	99
91) Benzo(g,h,i)perylene	16.98	276	55590	5.62	ng	97

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

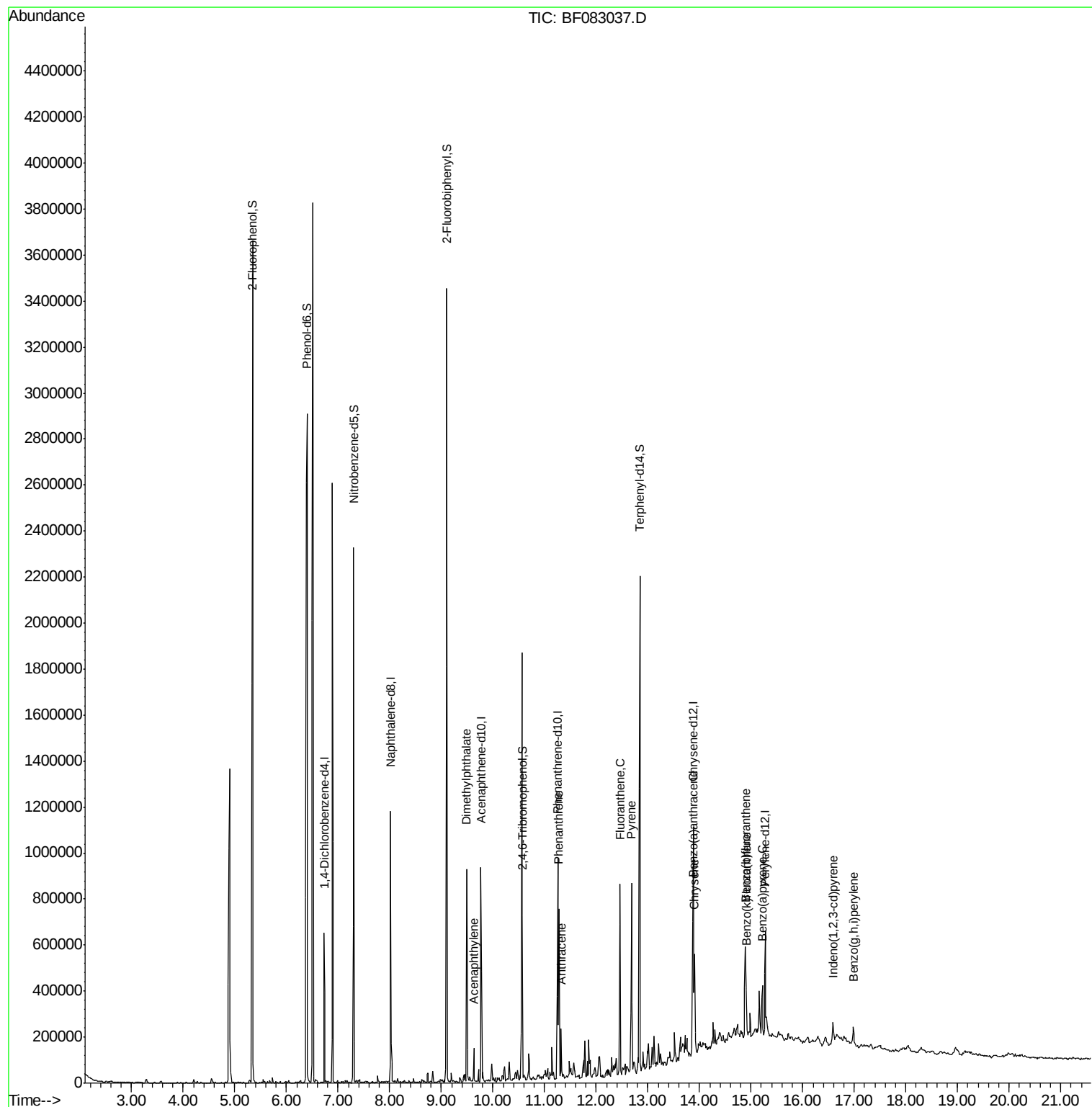
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
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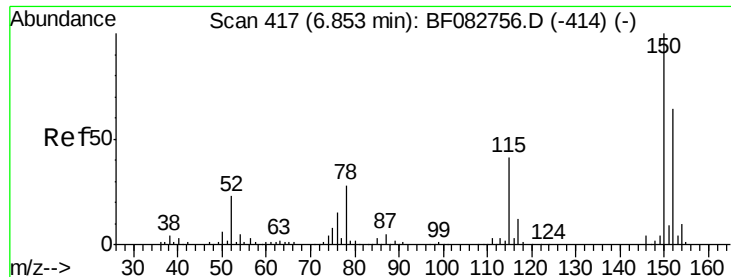
Instrument :
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#1

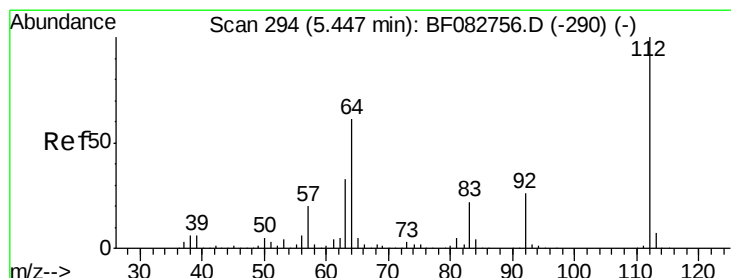
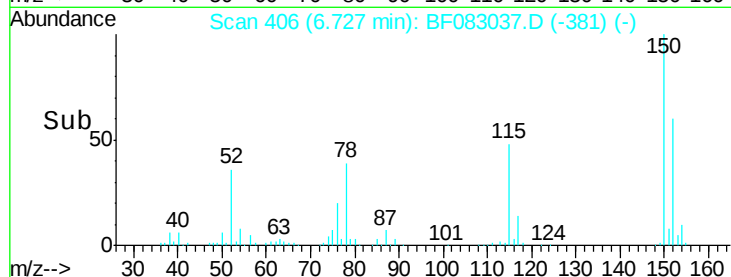
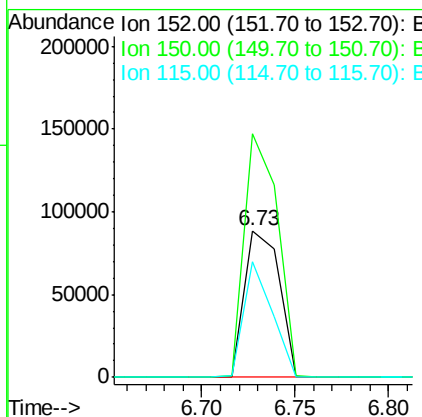
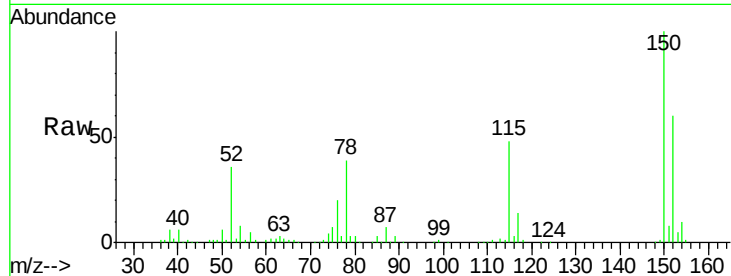
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF083037.D
Acq: 19 Nov 2015 5:14

Instrument :
BNA_F
ClientSampleId :
SS-1579

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	115105		
150	166.1	127.0	190.4	
115	79.3	47.0	70.6#	

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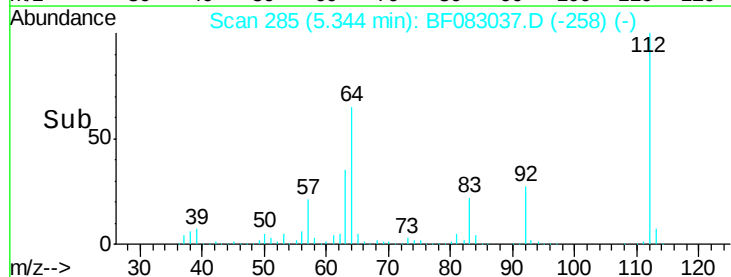
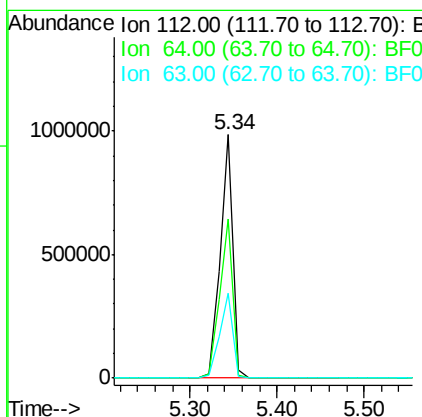
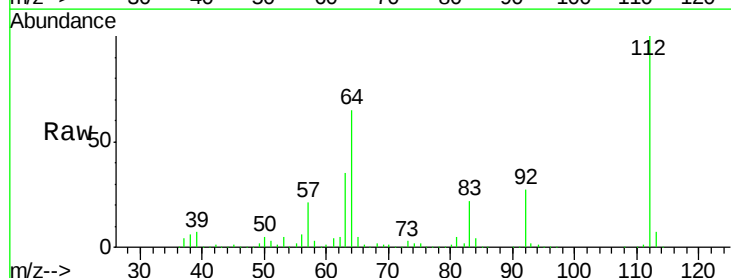
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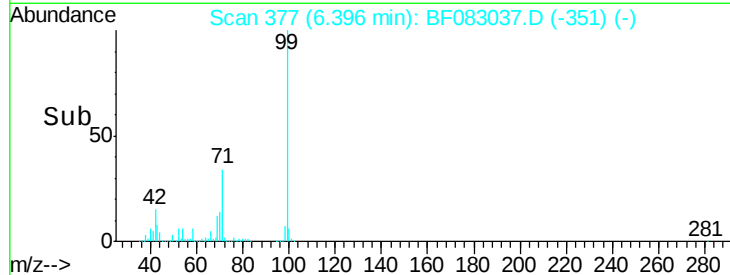
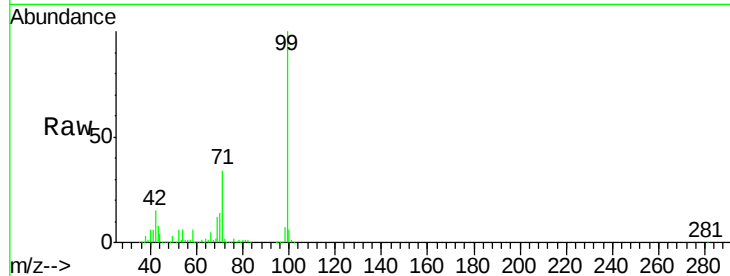
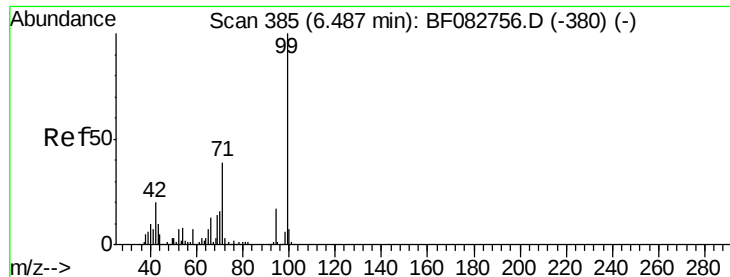


#5

2-Fluorophenol
Concen: 136.54 ng
RT: 5.34 min Scan# 285
Delta R.T. 0.01 min
Lab File: BF083037.D
Acq: 19 Nov 2015 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1010097		
64	65.1	48.9	73.3	
63	35.1	28.1	42.1	





#7

Phenol-d6

Concen: 151.94 ng

RT: 6.40 min Scan# 377

Delta R.T. 0.00 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Instrument :

BNA_F

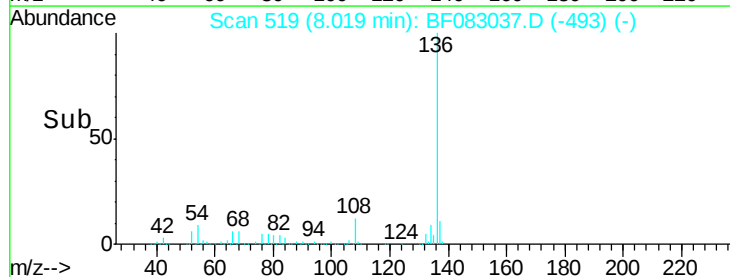
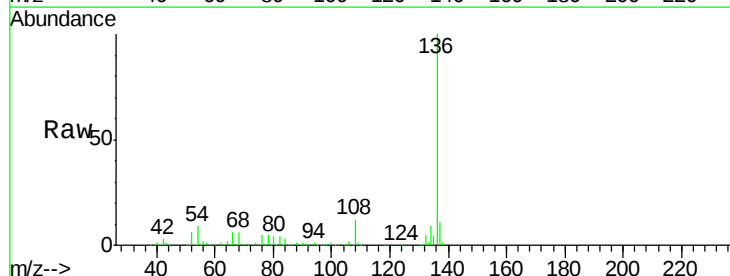
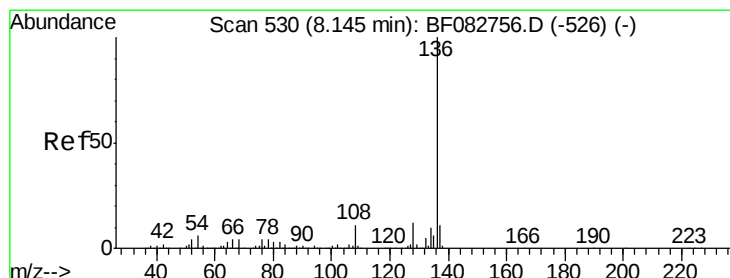
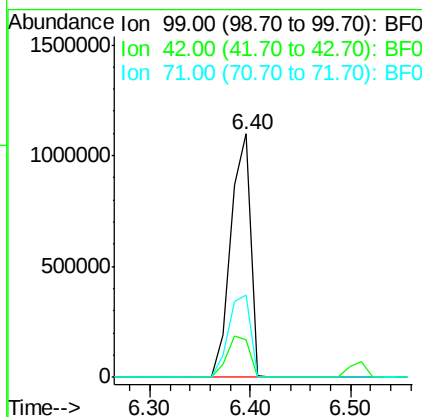
ClientSampleId :

SS-1579

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Tgt Ion:	99	Resp:	1494323
Ion	Ratio	Lower	Upper
99	100		
42	15.3	19.2	28.8#
71	33.6	35.0	52.4#



#21

Naphthalene-d8

Concen: 20.00 ng

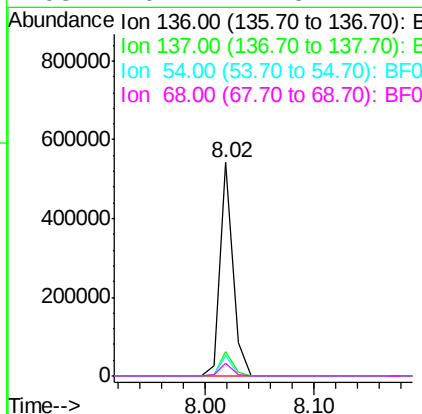
RT: 8.02 min Scan# 519

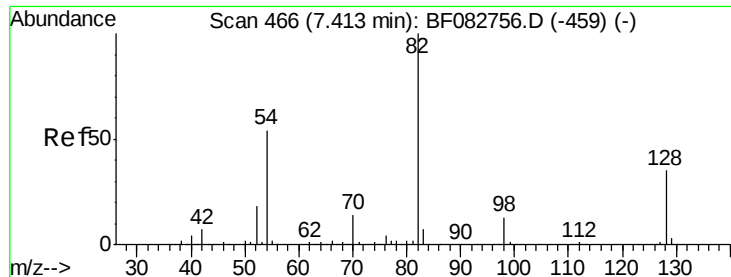
Delta R.T. 0.00 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Tgt Ion:	136	Resp:	451534
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	9.4	9.1	13.7
68	6.1	4.8	7.2





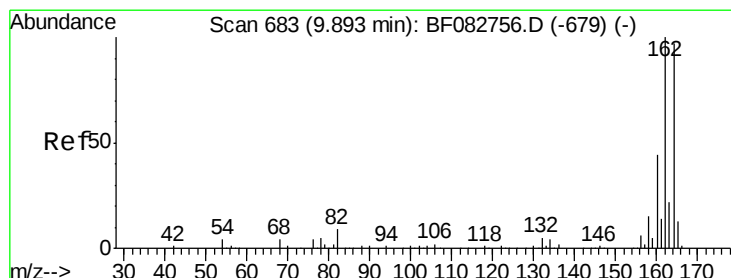
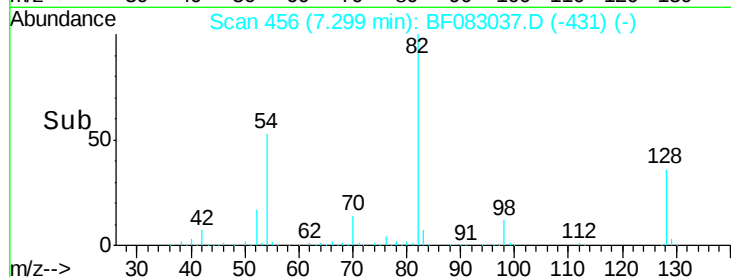
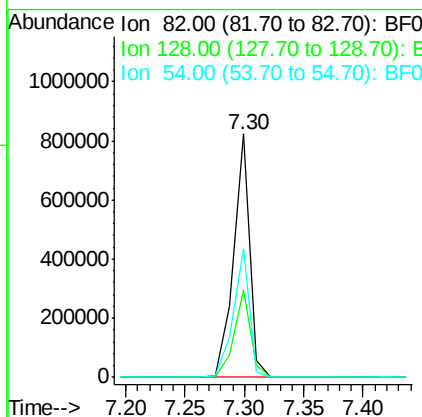
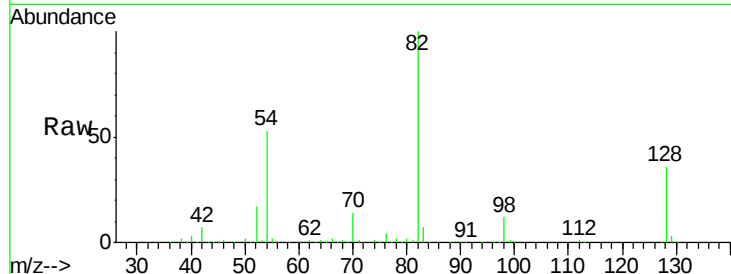
#23
 Nitrobenzene-d5
 Concen: 74.84 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF083037.D
 Acq: 19 Nov 2015 5:14

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.0	26.8	40.2
54	52.9	45.7	68.5

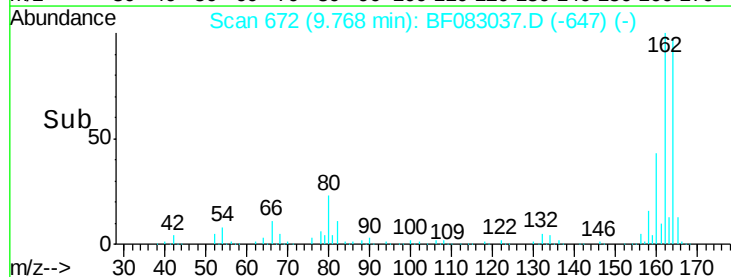
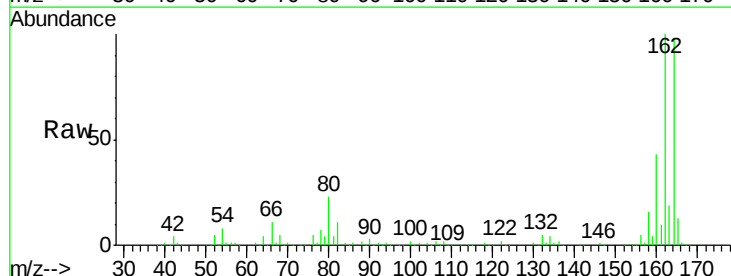
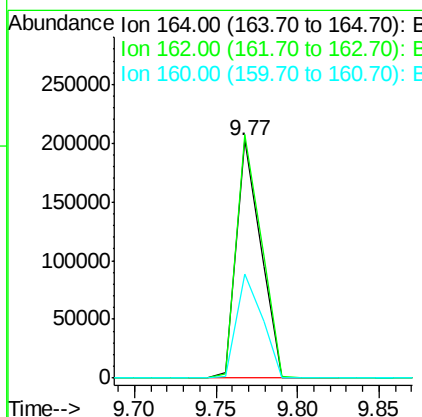
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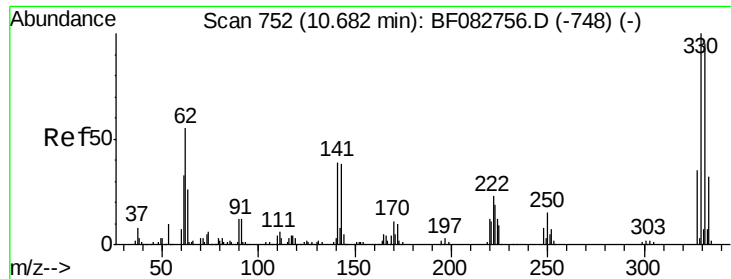
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF083037.D
 Acq: 19 Nov 2015 5:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	84.9	127.3
160	43.5	37.5	56.3





#41

2,4,6-Tribromophenol

Concen: 92.80 ng

RT: 10.57 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Instrument :

BNA_F

ClientSampleId :

SS-1579

Tgt Ion:330 Resp: 221599
Ion Ratio Lower Upper

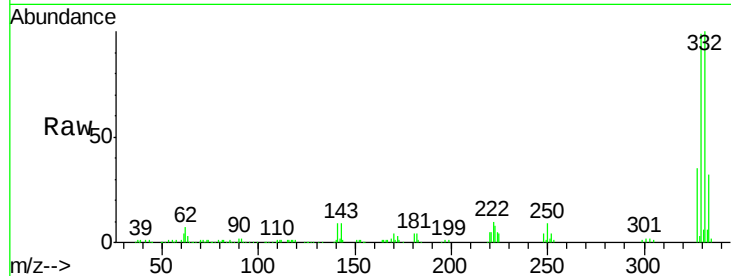
330 100

332 99.0 76.6 114.8

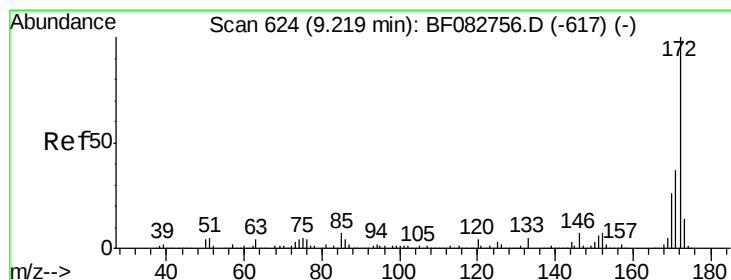
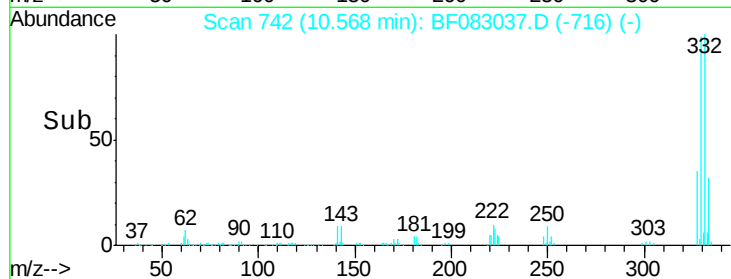
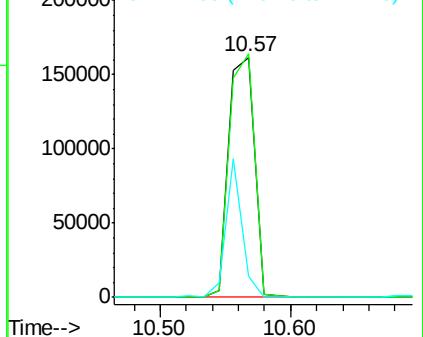
141 37.5 41.2 61.8#

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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: 86.54 ng

RT: 9.10 min Scan# 614

Delta R.T. 0.00 min

Lab File: BF083037.D

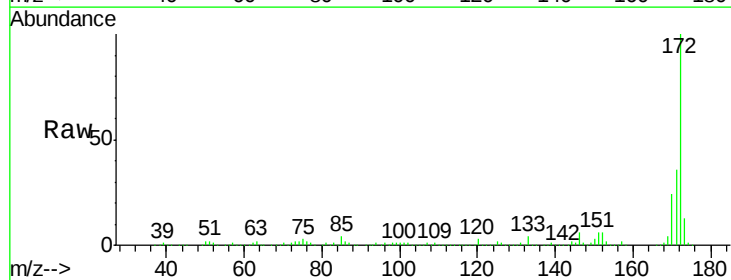
Acq: 19 Nov 2015 5:14

Tgt Ion:172 Resp: 1257387
Ion Ratio Lower Upper

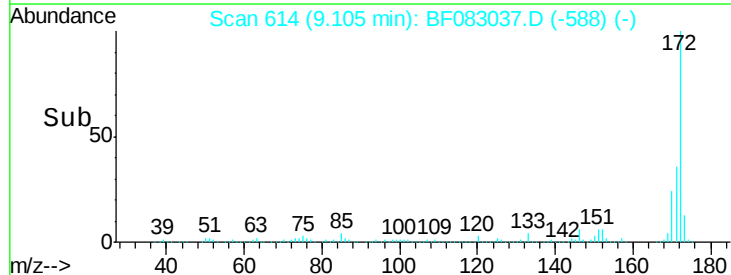
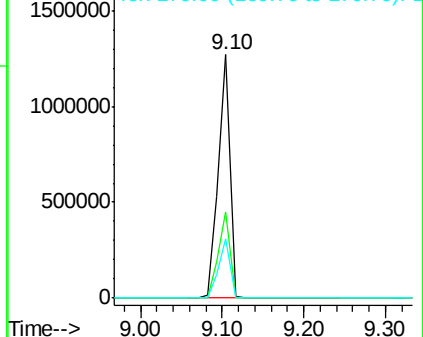
172 100

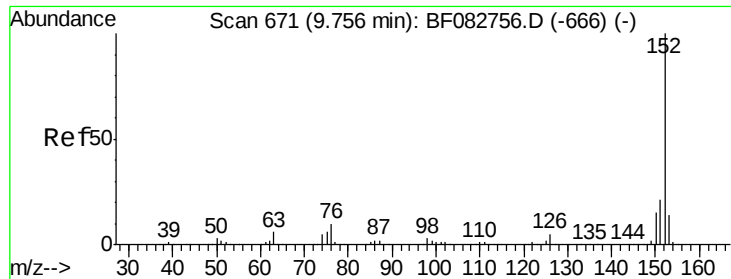
171 35.6 30.8 46.2

170 24.1 21.2 31.8



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: 2.55 ng

RT: 9.63 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF083037.D

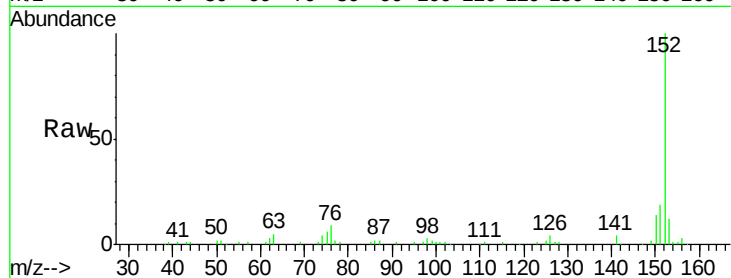
Acq: 19 Nov 2015 5:14

Instrument :

BNA_F

ClientSampleId :

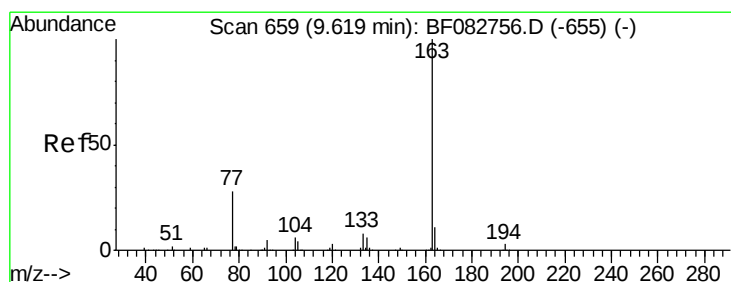
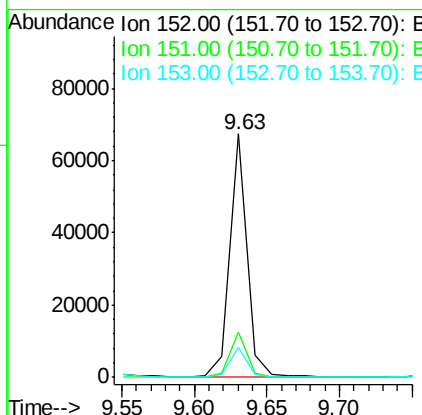
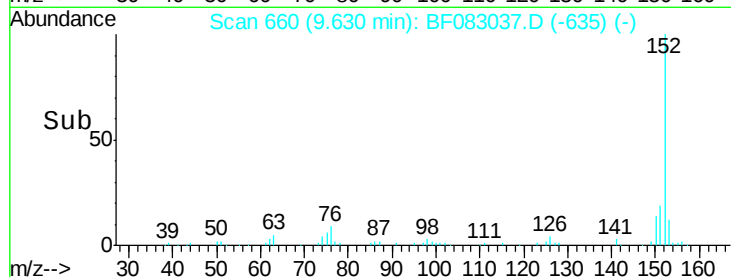
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Tgt Ion:	152	Resp:	55743
Ion Ratio	Lower	Upper	
152	100		
151	18.8	17.3	25.9
153	12.5	11.3	16.9

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#49

Dimethylphthalate

Concen: 18.78 ng

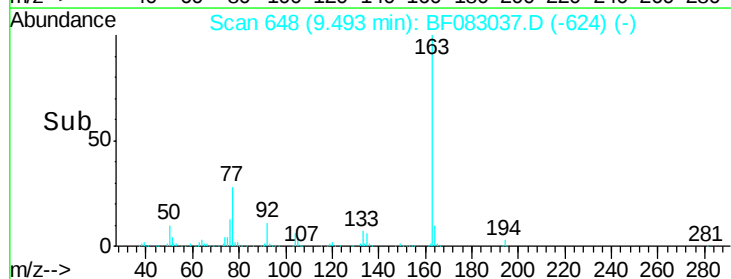
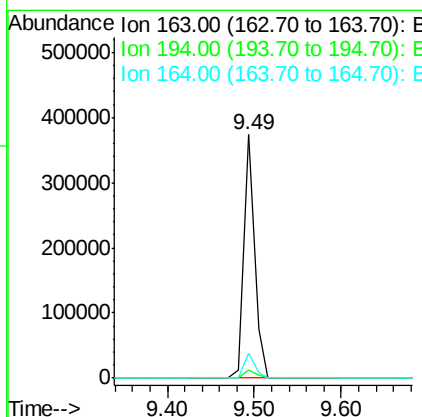
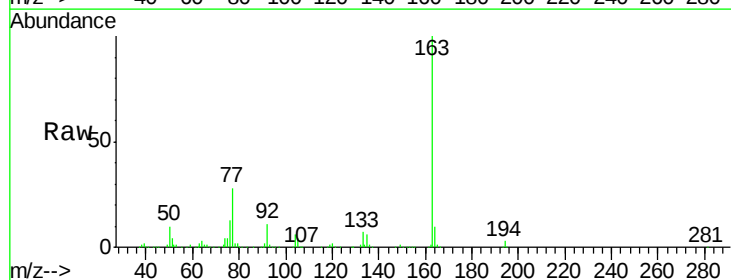
RT: 9.49 min Scan# 648

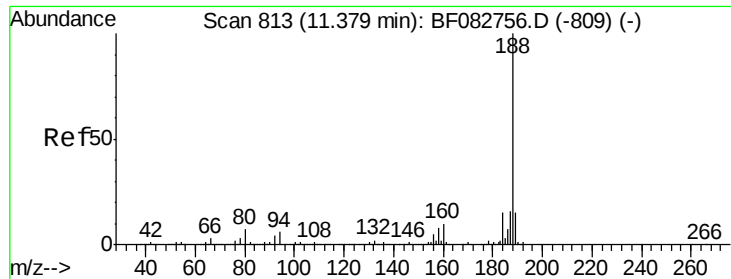
Delta R.T. -0.02 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Tgt Ion:	163	Resp:	320349
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.6	4.0
164	10.2	8.7	13.1





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Instrument :

BNA_F

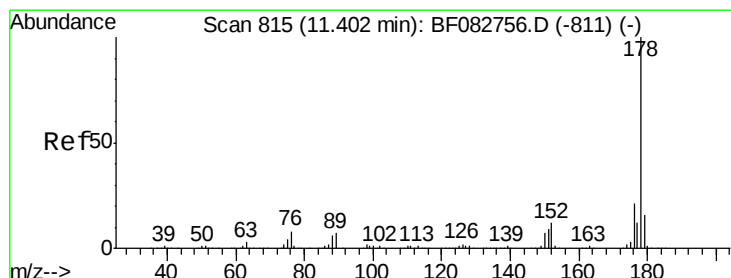
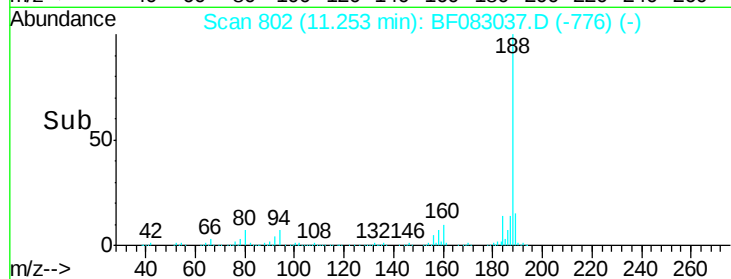
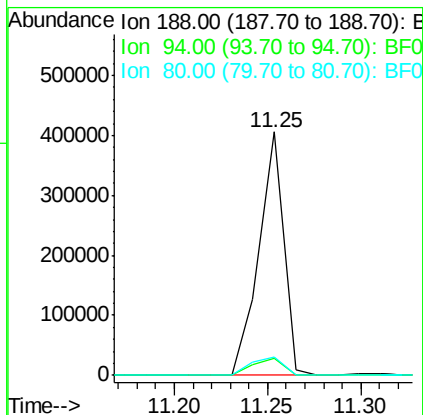
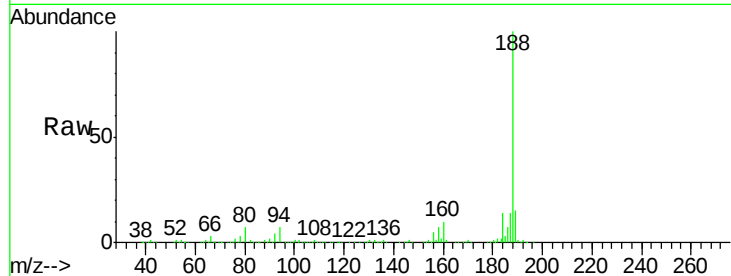
ClientSampleId :

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Tgt Ion:	188	Resp:	372037
Ion Ratio	Lower	Upper	
188	100		
94	7.1	6.1	9.1
80	7.4	7.0	10.6

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#70

Phenanthrene

Concen: 13.09 ng

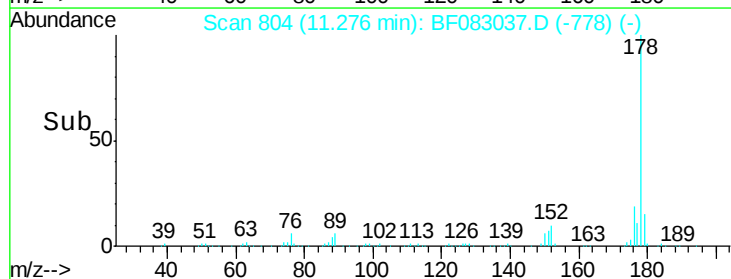
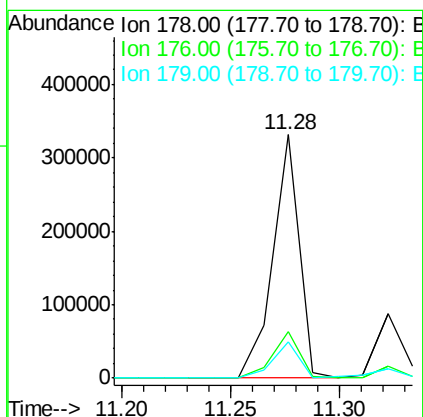
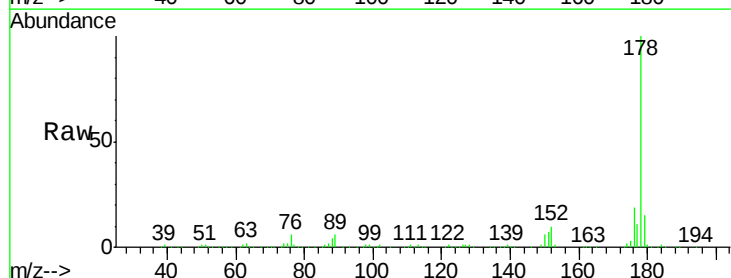
RT: 11.28 min Scan# 804

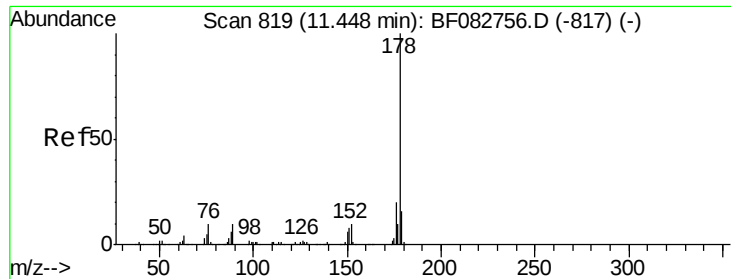
Delta R.T. 0.00 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Tgt Ion:	178	Resp:	282850
Ion Ratio	Lower	Upper	
178	100		
176	19.0	17.0	25.4
179	14.8	13.4	20.0





#71

Anthracene

Concen: 3.33 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Instrument :

BNA_F

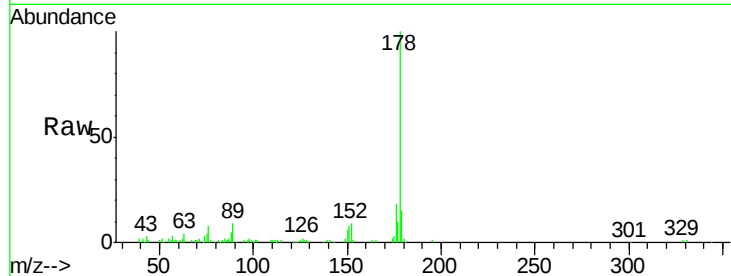
ClientSampleId :

SS-1579

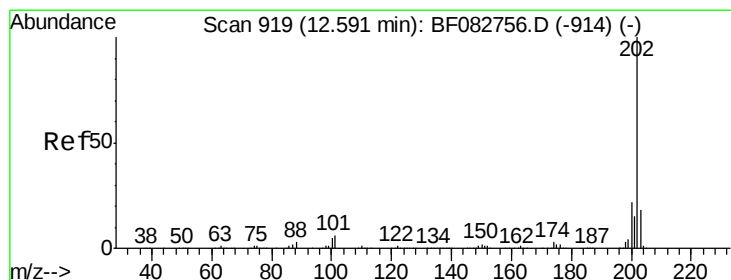
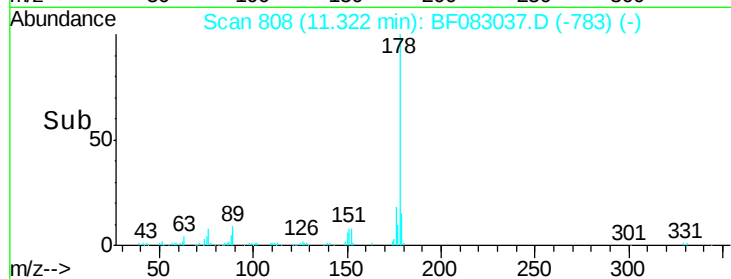
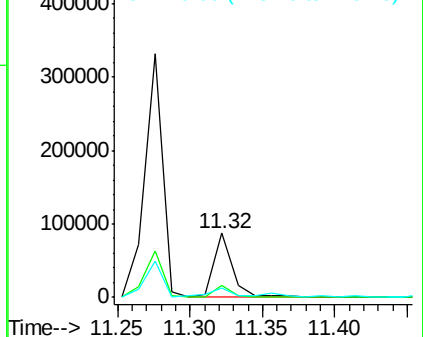
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Tgt Ion:	178	Resp:	75698
Ion Ratio	Lower	Upper	
178	100		
176	18.5	16.5	24.7
179	15.4	13.2	19.8



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: 19.99 ng

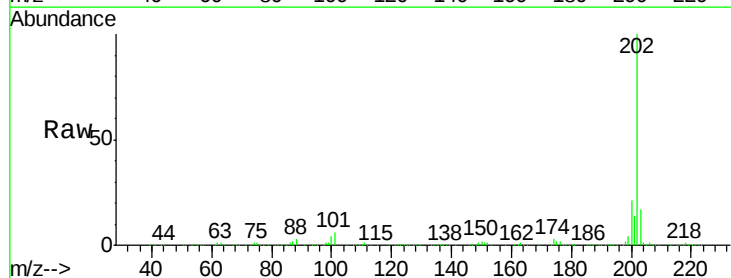
RT: 12.47 min Scan# 908

Delta R.T. 0.00 min

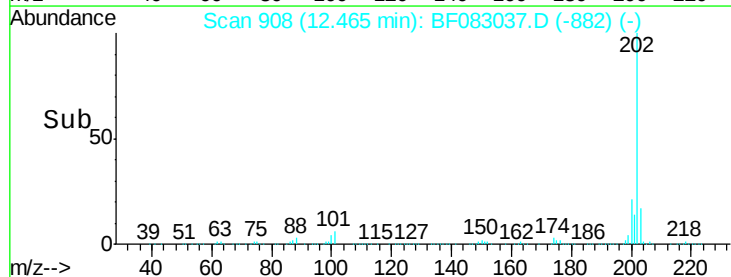
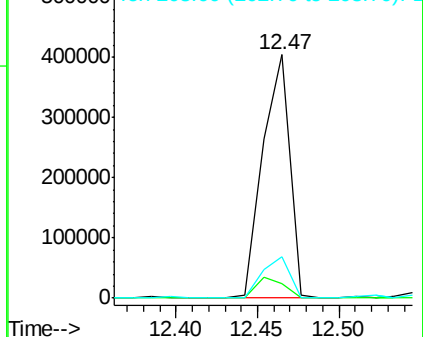
Lab File: BF083037.D

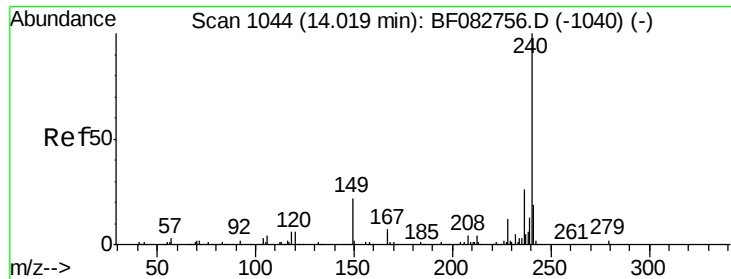
Acq: 19 Nov 2015 5:14

Tgt Ion:	202	Resp:	463400
Ion Ratio	Lower	Upper	
202	100		
101	5.8	0.0	30.5
203	17.2	0.0	38.5



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Instrument :

BNA_F

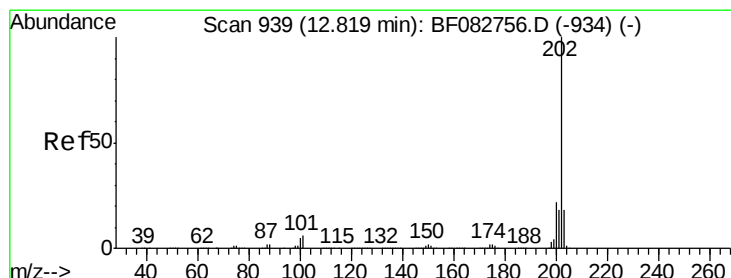
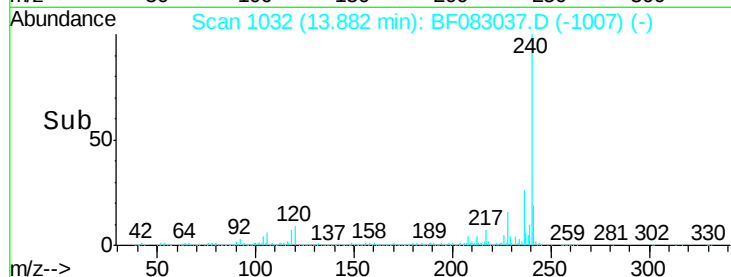
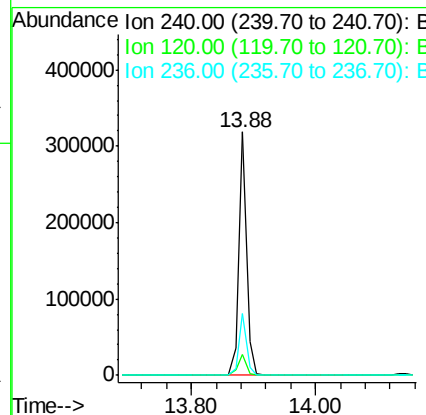
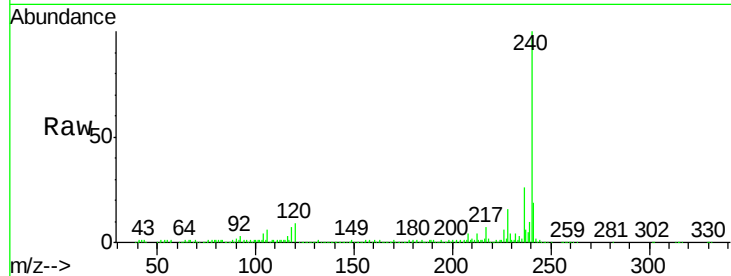
ClientSampleId :

SS-1579

Tgt	Ion	240	Resp:	280484
Ion	Ratio	Lower	Upper	
240	100			
120	8.8	10.9	16.3#	
236	25.6	21.6	32.4	

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#77

Pyrene

Concen: 18.69 ng

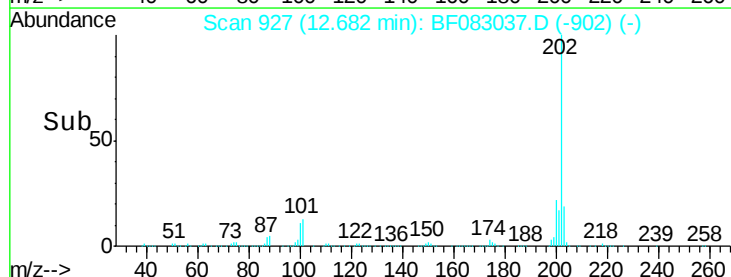
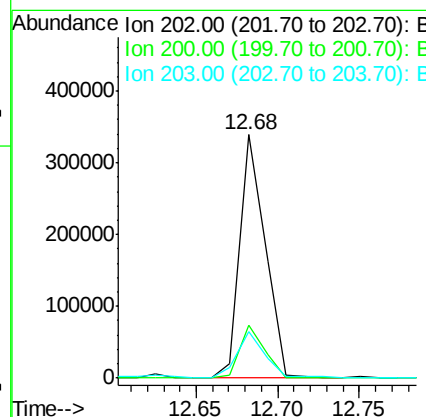
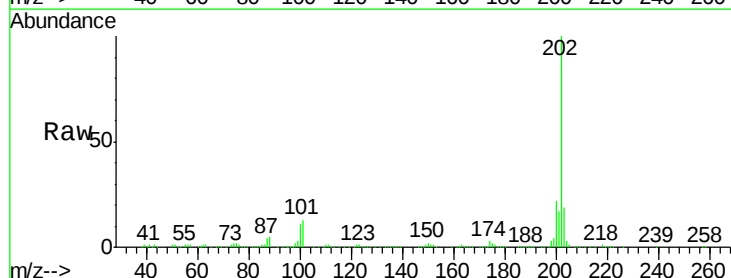
RT: 12.68 min Scan# 927

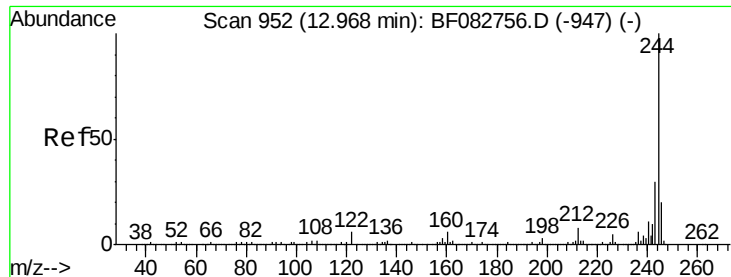
Delta R.T. -0.01 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Tgt	Ion	202	Resp:	360079
Ion	Ratio	Lower	Upper	
202	100			
200	21.9	18.7	28.1	
203	19.3	14.8	22.2	





#78

Terphenyl-d14

Concen: 66.17 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.00 min

Lab File: BF083037.D

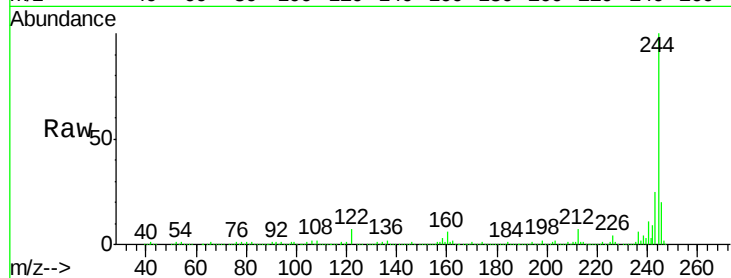
Acq: 19 Nov 2015 5:14

Instrument :

BNA_F

ClientSampled :

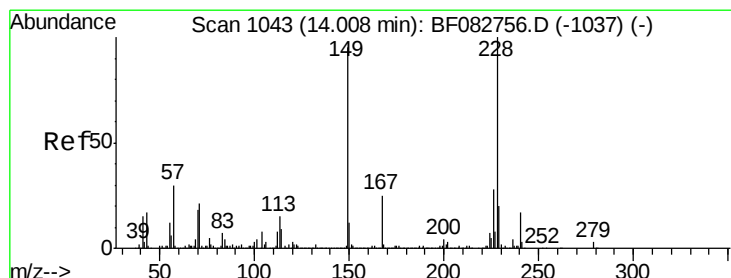
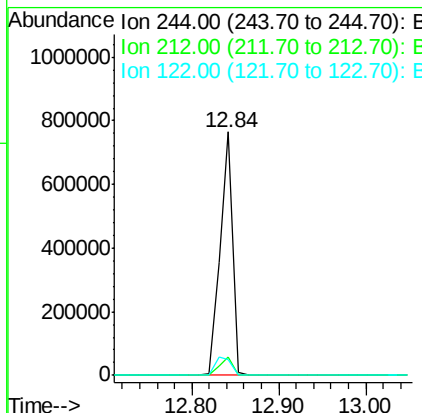
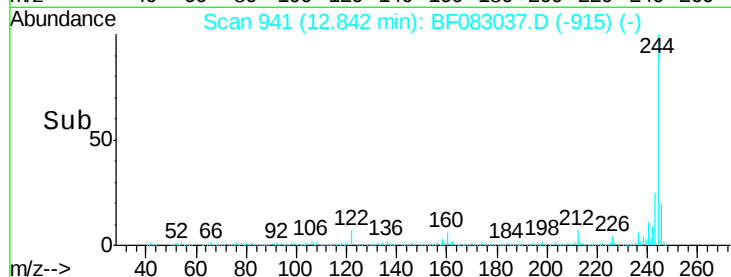
SS-1579



Tgt Ion:	244	Resp:	782479
Ion Ratio	Lower	Upper	
244	100		
212	7.3	7.6	11.4#
122	6.7	11.3	16.9#

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#80

Benzo(a)anthracene

Concen: 12.30 ng

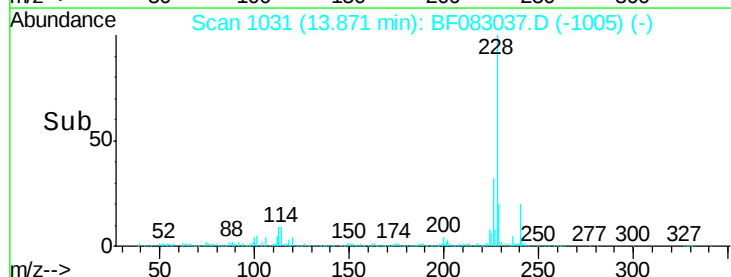
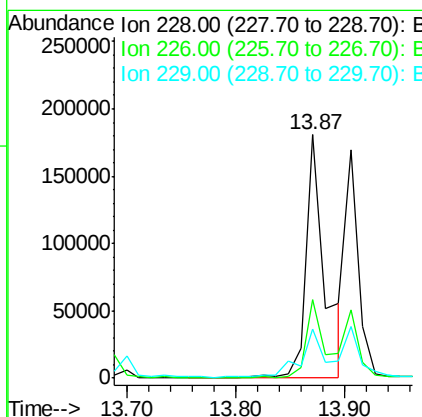
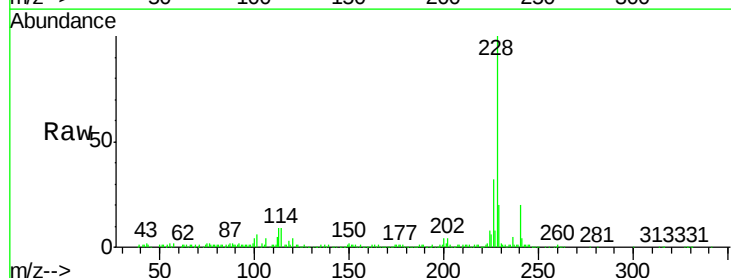
RT: 13.87 min Scan# 1031

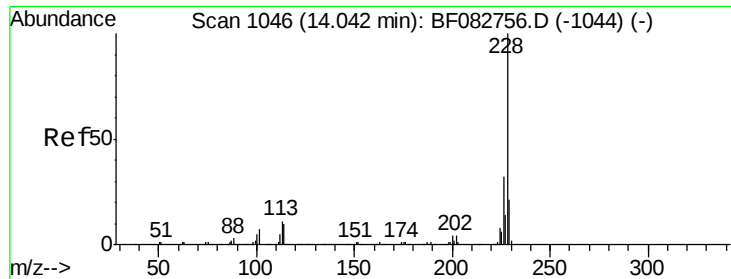
Delta R.T. 0.00 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Tgt Ion:	228	Resp:	215674
Ion Ratio	Lower	Upper	
228	100		
226	32.0	23.4	35.2
229	20.0	16.3	24.5





#82

Chrysene

Concen: 9.12 ng m

RT: 13.91 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Instrument :

BNA_F

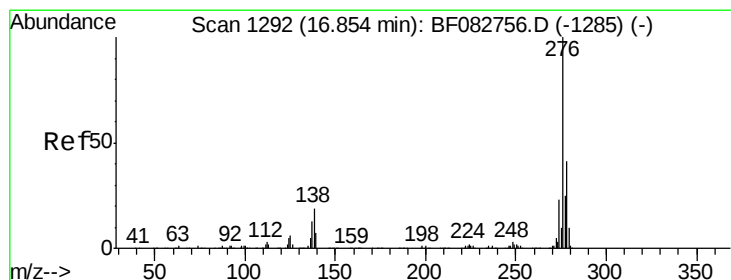
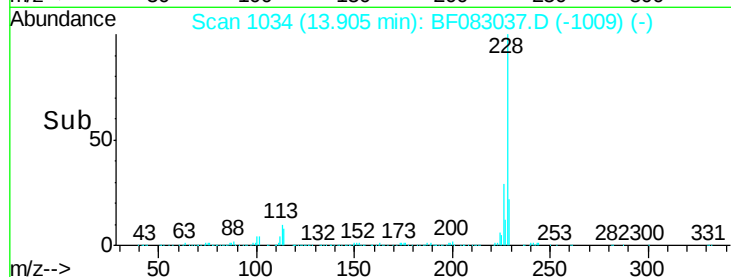
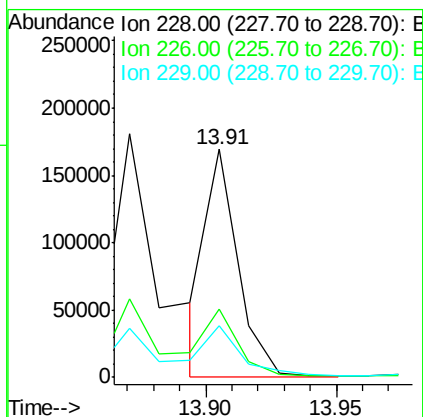
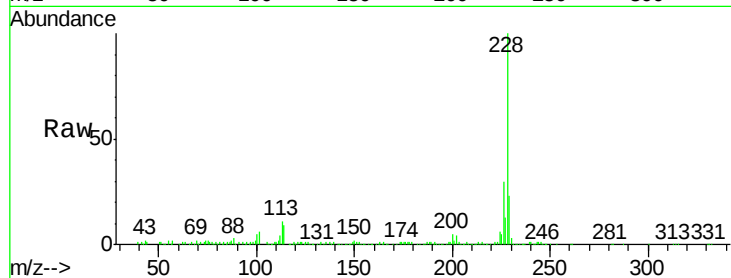
ClientSampleId :

SS-1579

Tgt Ion:	228	Resp:	146562
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.5	38.3
229	22.7	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.72 ng

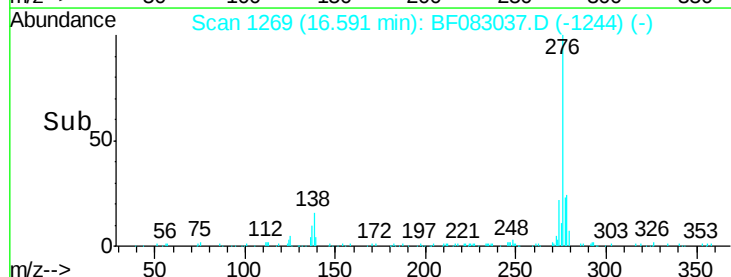
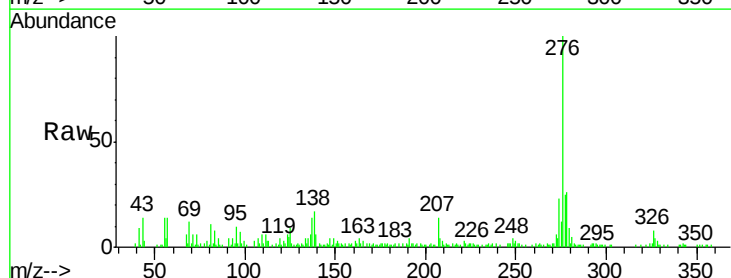
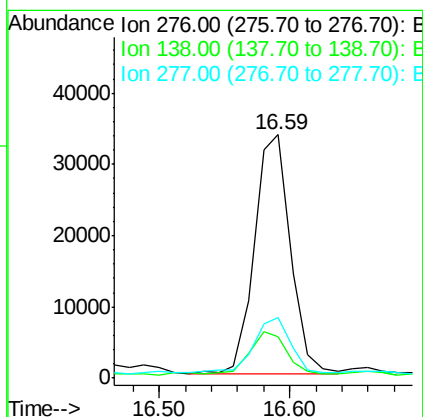
RT: 16.59 min Scan# 1269

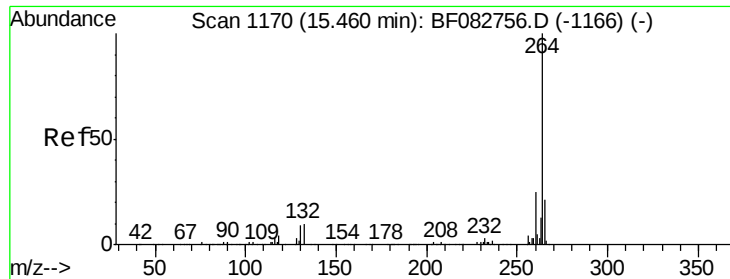
Delta R.T. -0.01 min

Lab File: BF083037.D

Acq: 19 Nov 2015 5:14

Tgt Ion:	276	Resp:	65371
Ion Ratio	Lower	Upper	
276	100		
138	19.6	15.3	22.9
277	24.0	20.2	30.4





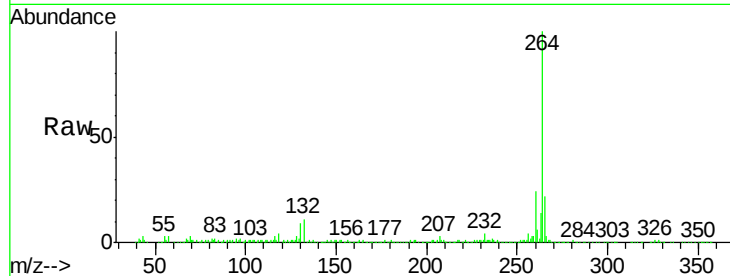
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.28 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: BF083037.D
 Acq: 19 Nov 2015 5:14

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579

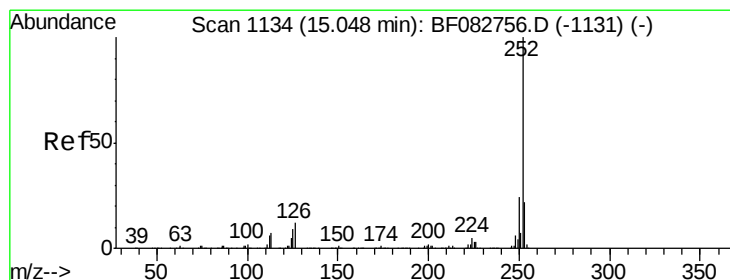
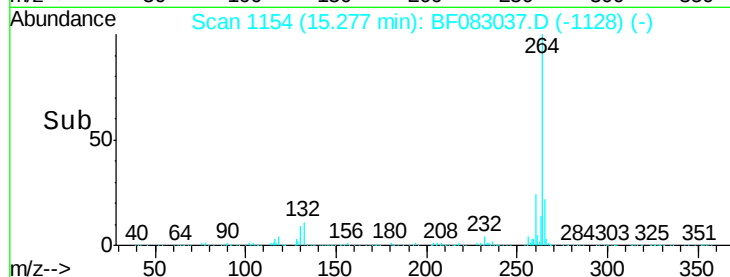
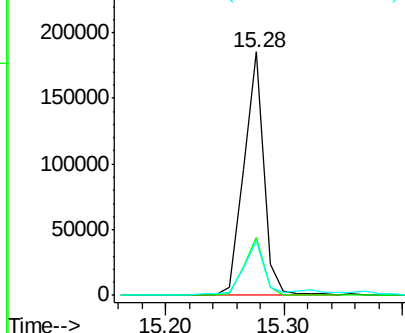
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	219280		
260	24.0	19.8	29.6	
265	22.4	17.4	26.0	

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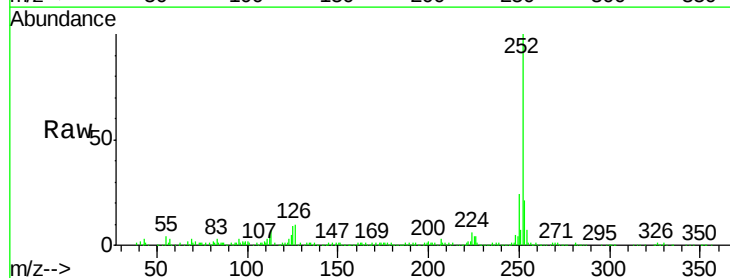


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

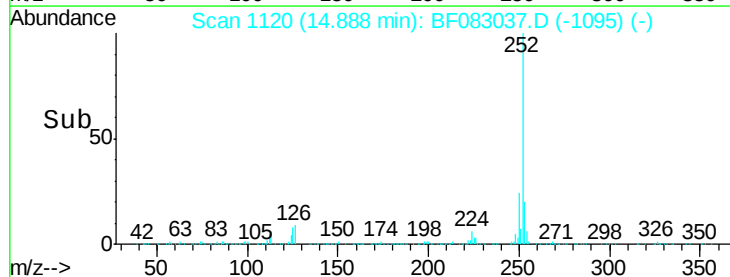
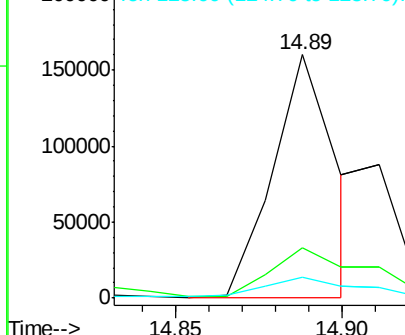


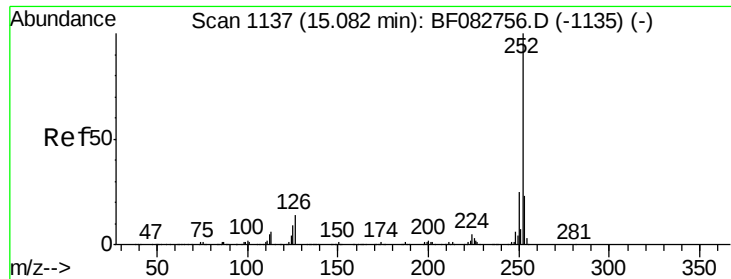
#87
 Benzo(b)fluoranthene
 Concen: 14.98 ng m
 RT: 14.89 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BF083037.D
 Acq: 19 Nov 2015 5:14

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	210872		
253	20.5	17.8	26.8	
125	8.6	5.4	8.2#	



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





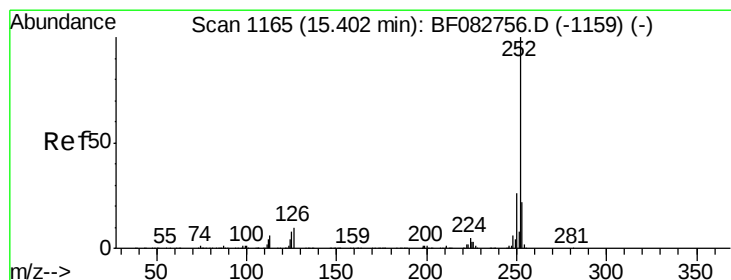
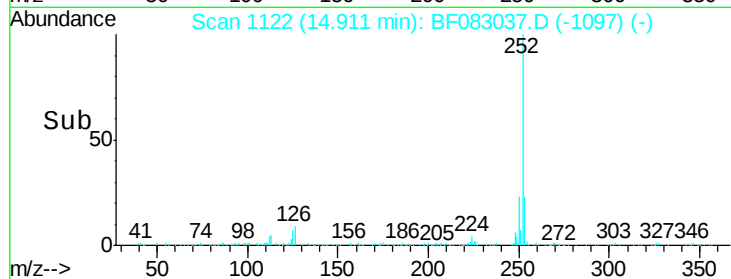
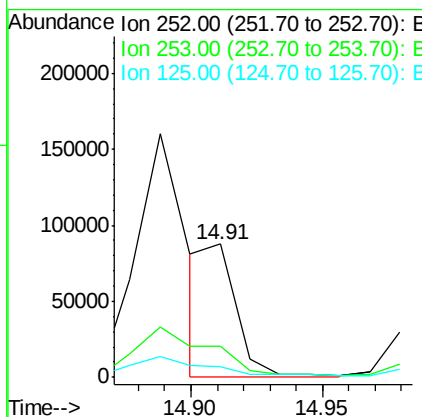
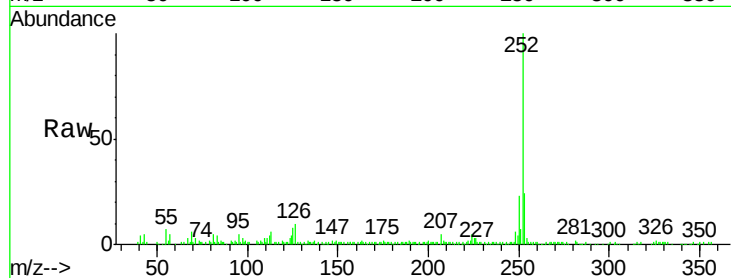
#88
Benzo(k)fluoranthene
Concen: 5.77 ng m
RT: 14.91 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF083037.D
Acq: 19 Nov 2015 5:14

Instrument :
BNA_F
ClientSampleId :
SS-1579

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	8.0	3.5	5.3

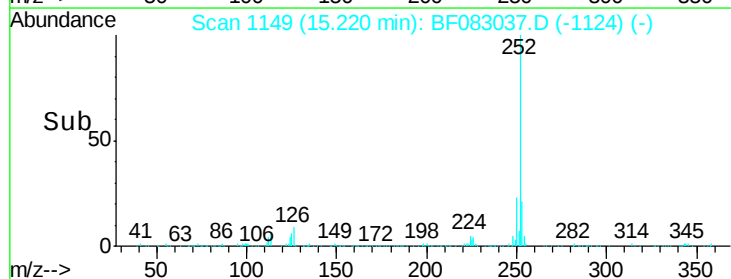
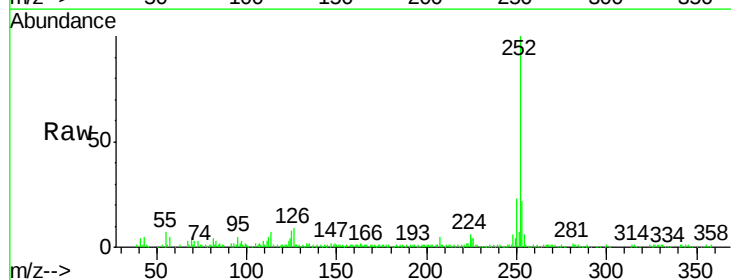
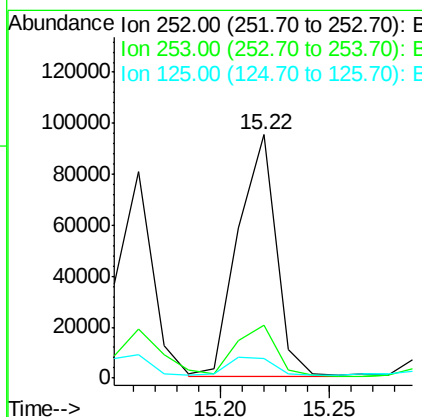
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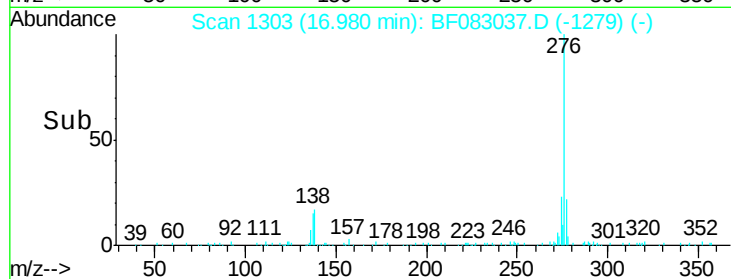
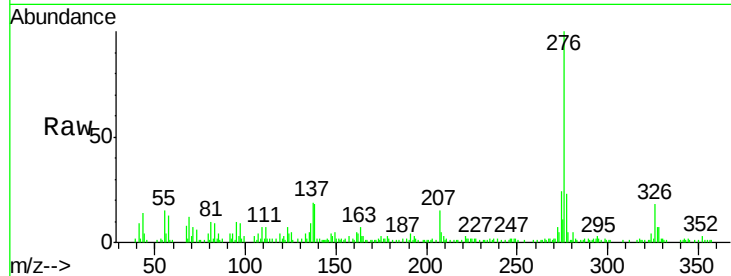
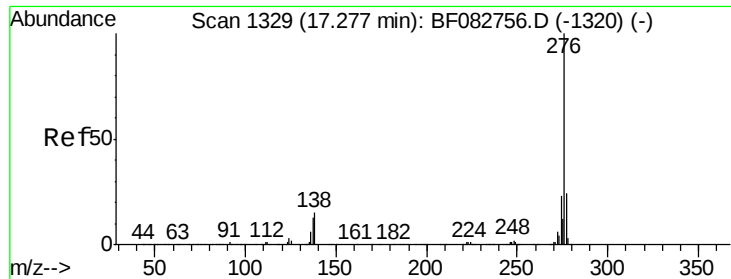
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#89
Benzo(a)pyrene
Concen: 9.48 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF083037.D
Acq: 19 Nov 2015 5:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	8.0	7.1	10.7





#91
 Benzo(g,h,i)perylene
 Concen: 5.62 ng
 RT: 16.98 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF083037.D
 Acq: 19 Nov 2015 5:14

Instrument :
 BNA_F
 ClientSampleId :
 SS-1579

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	18.2	13.1	19.7

Manual Integrations
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