

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
 Data File : BF078633.D
 Acq On : 18 Apr 2015 9:30
 Operator : TP/IZ
 Sample : G1880-03 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4

Manual Integrations
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Quant Time: Apr 20 13:18:43 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	37830	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	164370	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	87466	20.00	ng	0.00
63) Phenanthrene-d10	12.23	188	183952	20.00	ng	0.01
75) Chrysene-d12	15.49	240	170735	20.00	ng	0.02
86) Perylene-d12	17.17	264	198706	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	37101	16.17	ng	0.00
7) Phenol-d6	6.28	99	50241	17.47	ng	0.00
23) Nitrobenzene-d5	7.38	82	29598	10.91	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	14261	19.66	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	74324	12.15	ng	0.00
78) Terphenyl-d14	14.21	244	95731	12.67	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	10.23	152	132998	14.63	ng	99
51) Acenaphthene	10.44	154	37873	7.40	ng	99
54) Dibenzofuran	10.66	168	74272	9.50	ng	95
57) Fluorene	11.07	166	95044	15.00	ng	99
70) Phenanthrene	12.26	178	1234317	116.00	ng	97
71) Anthracene	12.32	178	386371	36.85	ng	100
72) Carbazole	12.54	167	116487	11.85	ng	98
74) Fluoranthene	13.73	202	1707893	152.20	ng	97
77) Pyrene	14.00	202	1589193	148.27	ng	96
80) Benzo(a)anthracene	15.47	228	1064977	104.84	ng	97
82) Chrysene	15.52	228	916905m	96.07	ng	
85) Indeno(1,2,3-cd)pyrene	18.35	276	604473	55.81	ng	# 90
87) Benzo(b)fluoranthene	16.74	252	1107320m	90.17	ng	
88) Benzo(k)fluoranthene	16.77	252	417424m	38.25	ng	
89) Benzo(a)pyrene	17.11	252	805240	75.13	ng	# 93
90) Dibenzo(a,h)anthracene	18.35	278	134950m	12.58	ng	
91) Benzo(a,h,i)perylene	18.67	276	538340	50.04	ng	100

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

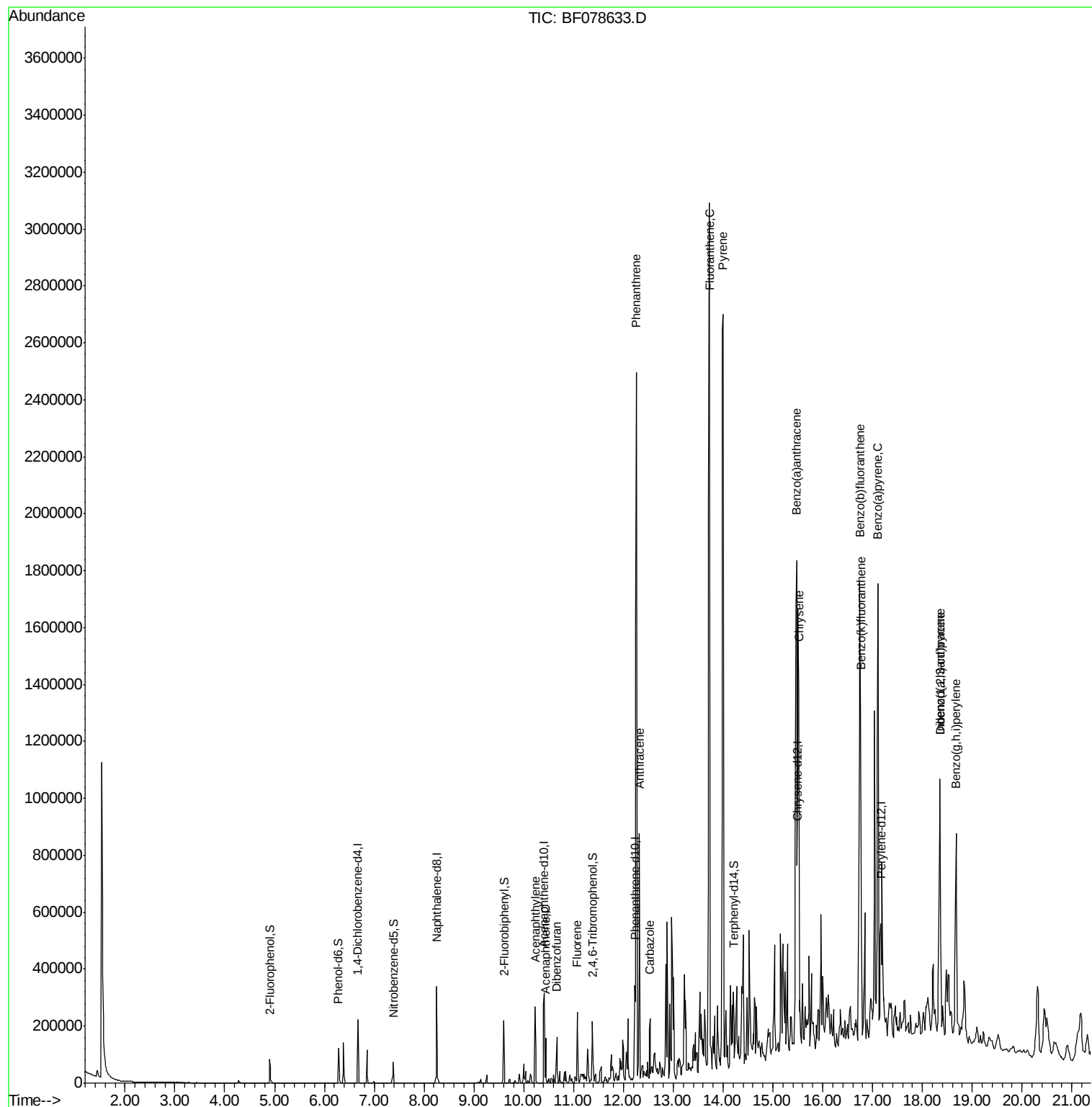
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041715\
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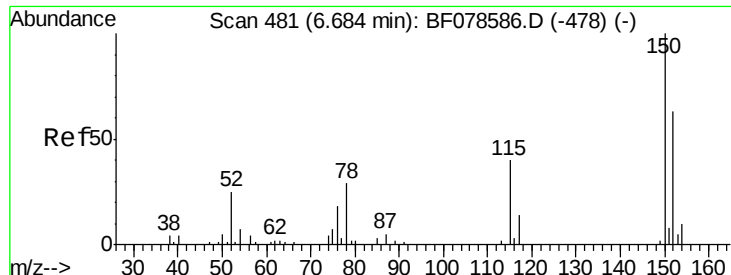
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
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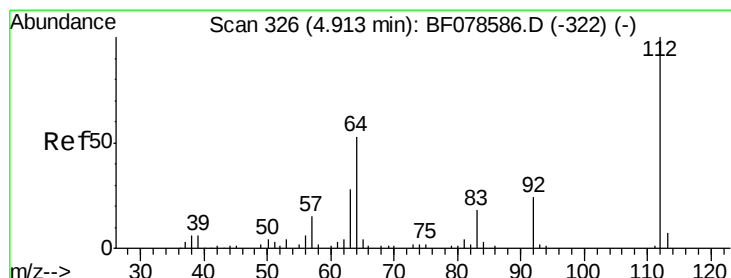
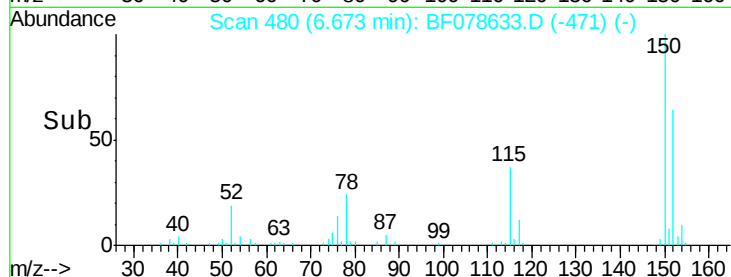
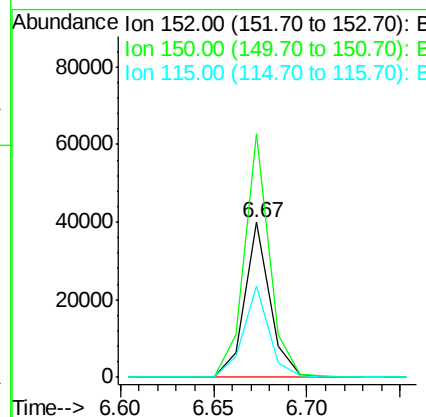
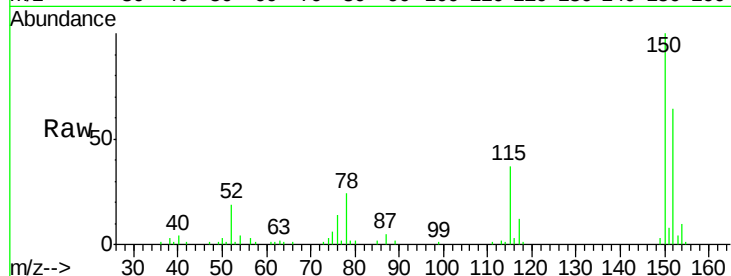
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: BF078633.D
 Acq: 18 Apr 2015 9:30

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	125.9	188.9
115	58.6	52.7	79.1

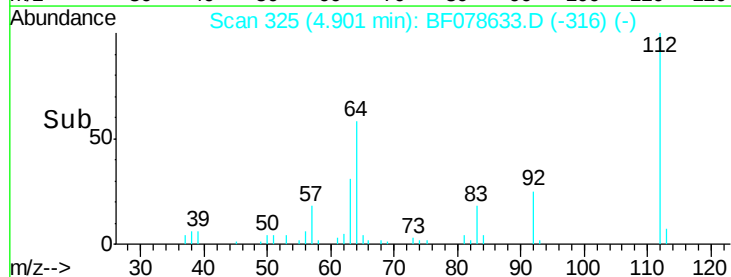
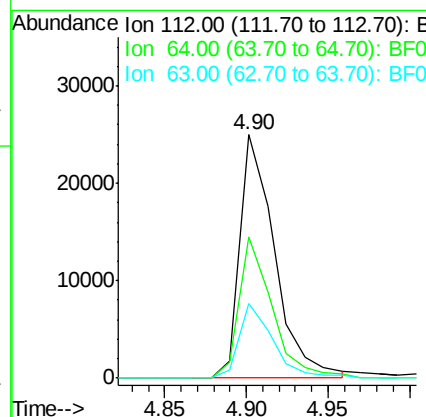
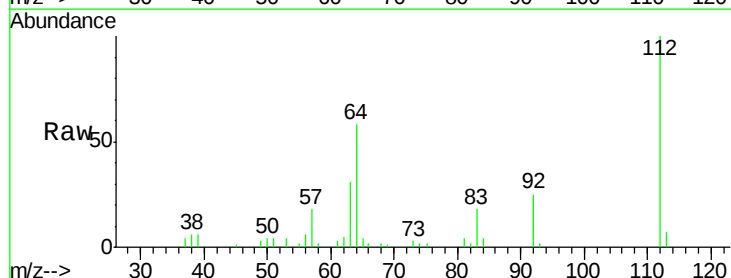
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#5
 2-Fluorophenol
 Concen: 16.17 ng
 RT: 4.90 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: BF078633.D
 Acq: 18 Apr 2015 9:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	39.9	59.9
63	30.5	20.2	30.4





#7

Phenol-d6

Concen: 17.47 ng

RT: 6.28 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Instrument :

BNA_F

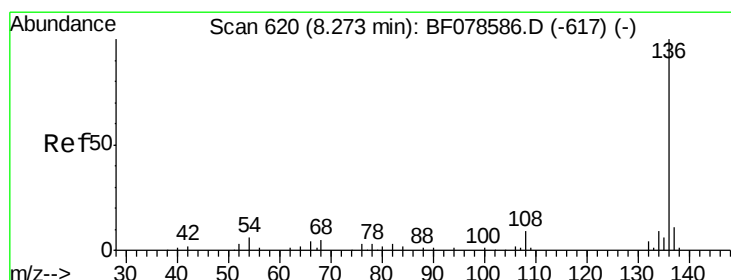
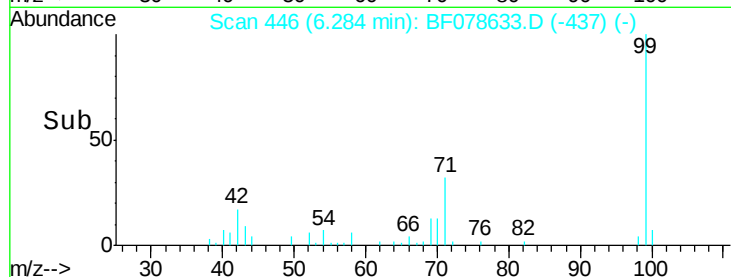
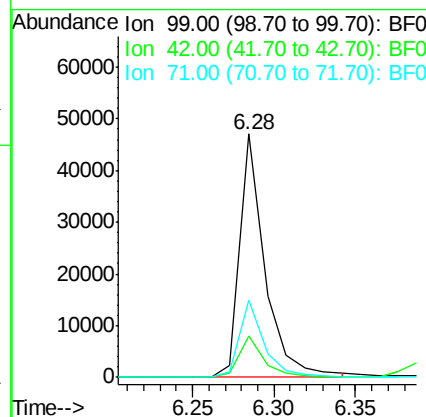
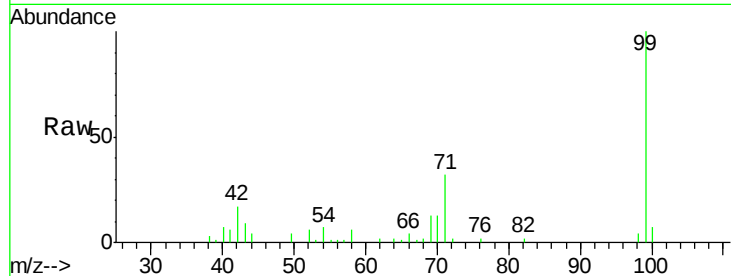
ClientSampleId :

S2-1-4

Tot Ion:	99	Resp:	50241
Ion Ratio	Lower	Upper	
99	100		
42	17.1	14.8	22.2
71	31.9	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

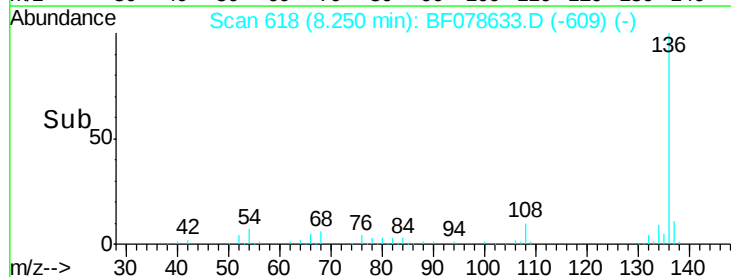
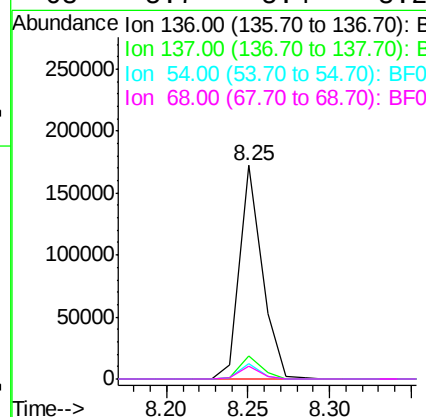
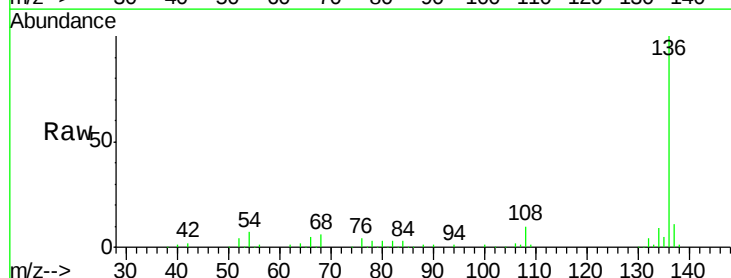
RT: 8.25 min Scan# 618

Delta R.T. 0.00 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Tgt Ion:	136	Resp:	164370
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.0	13.4
54	7.4	7.0	10.6
68	5.7	5.4	8.2





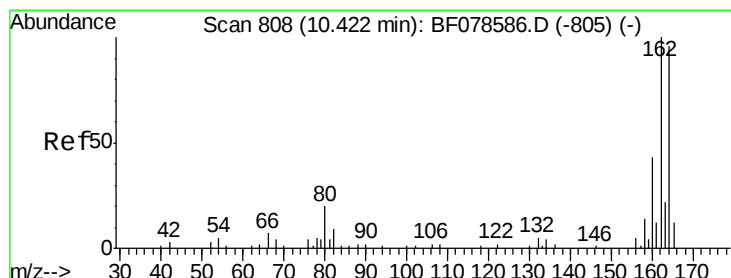
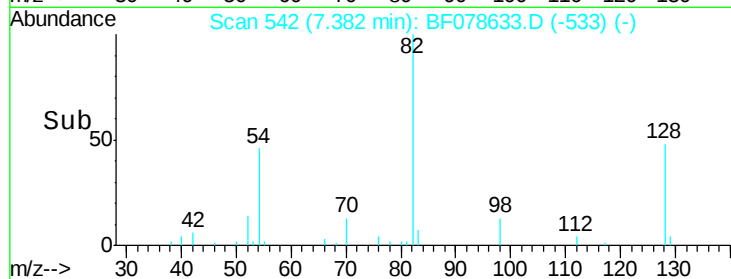
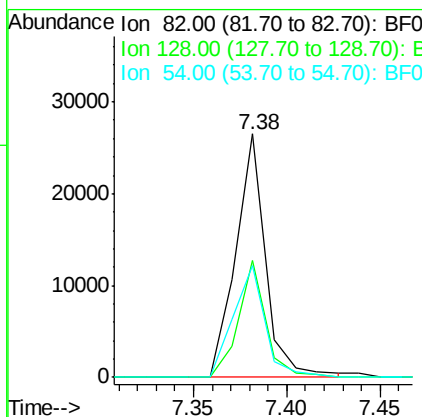
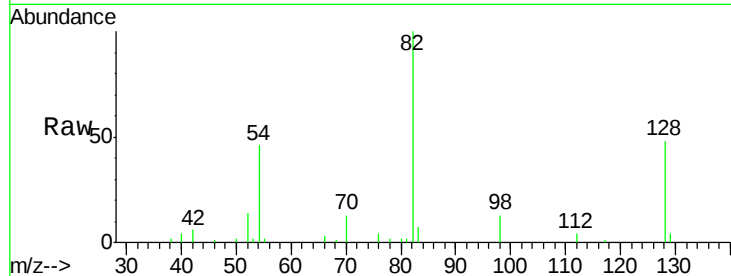
#23
 Nitrobenzene-d5
 Concen: 10.91 ng
 RT: 7.38 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: BF078633.D
 Acq: 18 Apr 2015 9:30

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100	29598		
128	48.1	31.8	47.8	#
54	45.8	41.5	62.3	

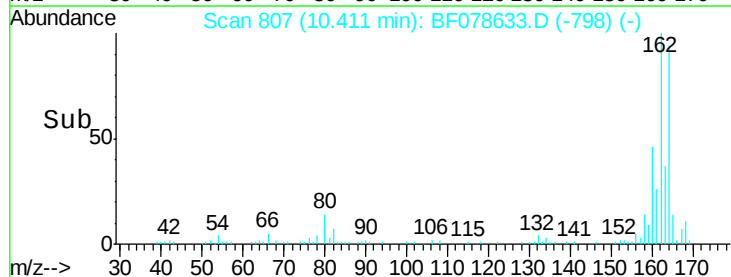
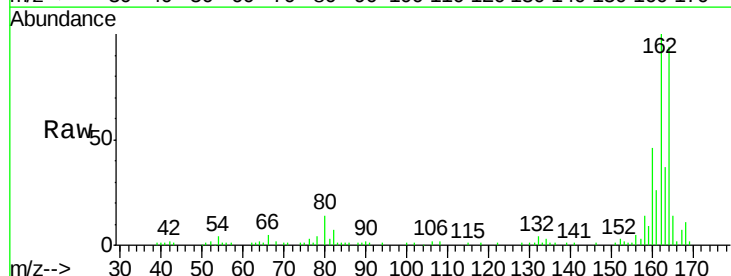
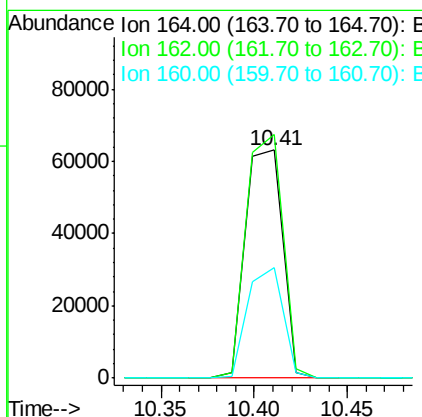
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: BF078633.D
 Acq: 18 Apr 2015 9:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87466		
162	106.7	82.2	123.2	
160	48.7	34.7	52.1	





#41

2,4,6-Tribromophenol

Concen: 19.66 ng

RT: 11.38 min Scan# 892

Delta R.T. 0.00 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Instrument :

BNA_F

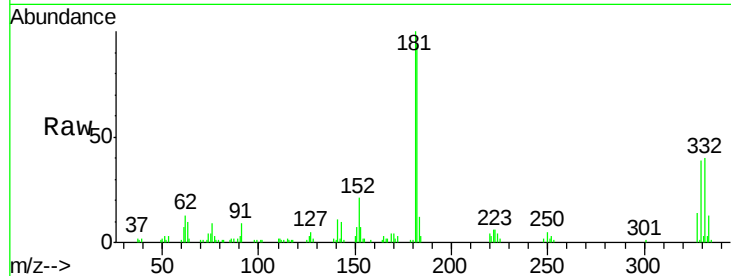
ClientSampled :

S2-1-4

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.9	78.6	117.8
141	48.5	31.2	46.8

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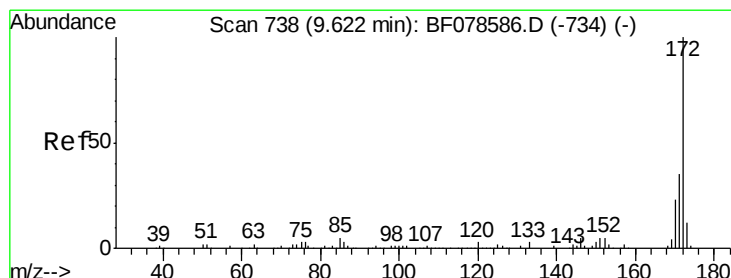
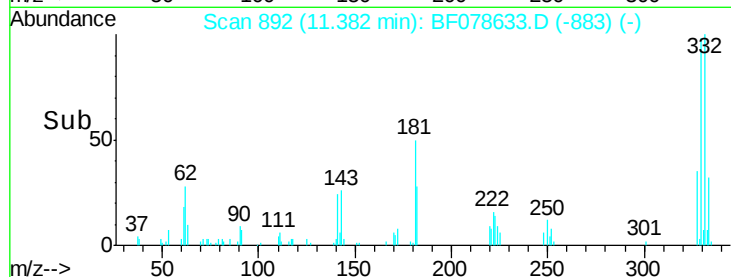
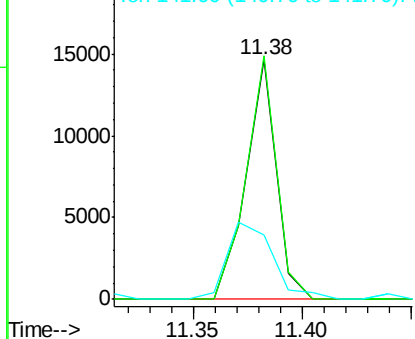


Abundance

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: 12.15 ng

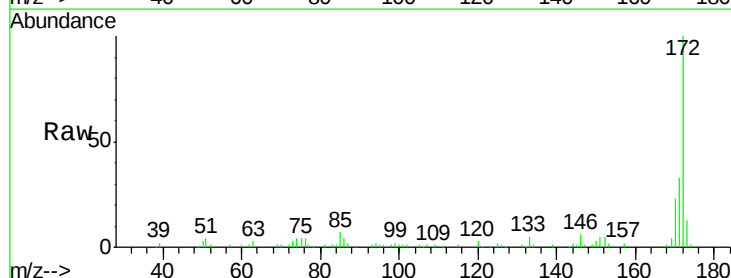
RT: 9.60 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.4	28.6	42.8
170	22.6	18.5	27.7

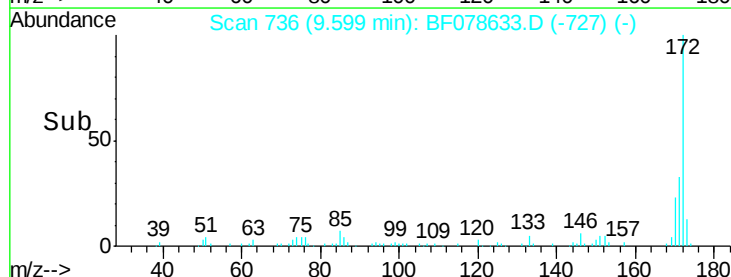
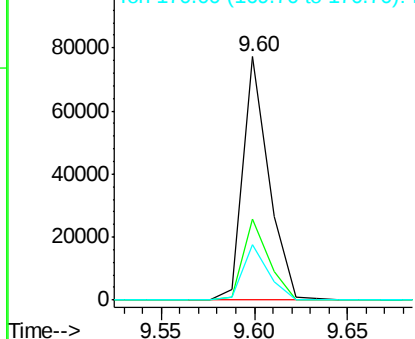


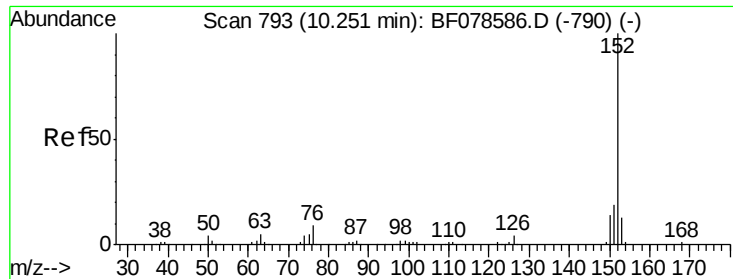
Abundance

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: 14.63 ng

RT: 10.23 min Scan# 791

Delta R.T. 0.00 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Instrument :

BNA_F

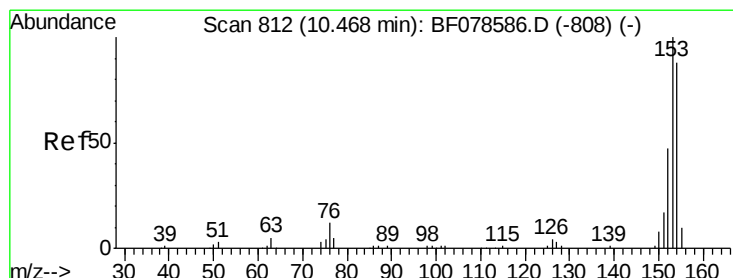
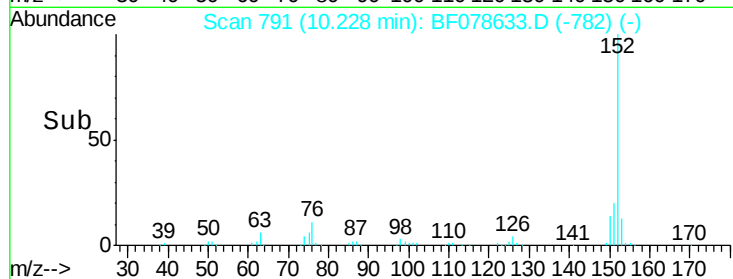
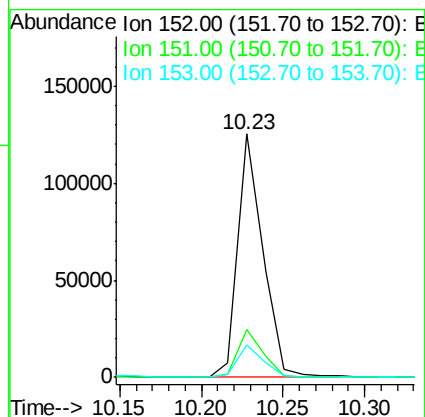
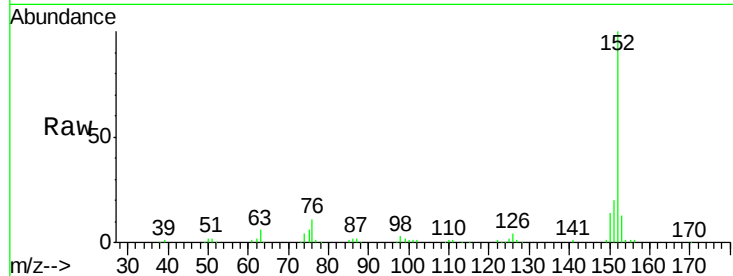
ClientSampleId :

S2-1-4

Tot Ion:	152	Resp:	132998
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.7	23.5
153	13.2	10.2	15.2

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#51

Acenaphthene

Concen: 7.40 ng

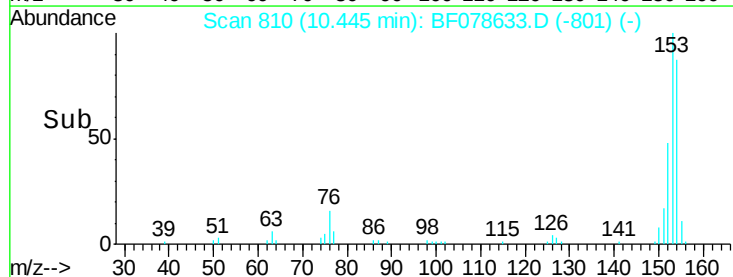
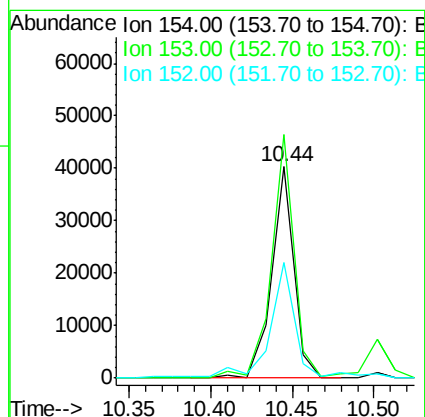
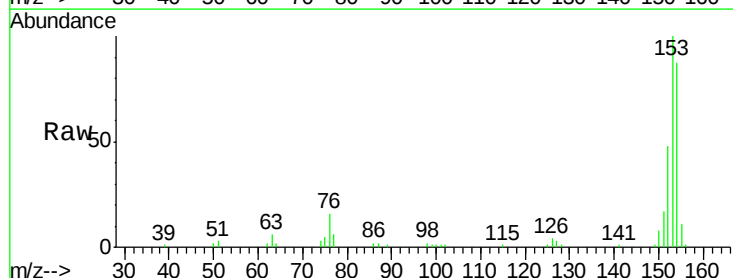
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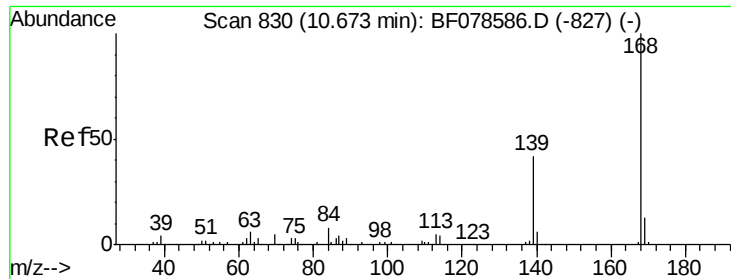
Delta R.T. 0.00 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Tgt Ion:	154	Resp:	37873
Ion Ratio	Lower	Upper	
154	100		
153	115.3	91.4	137.2
152	54.9	43.0	64.6





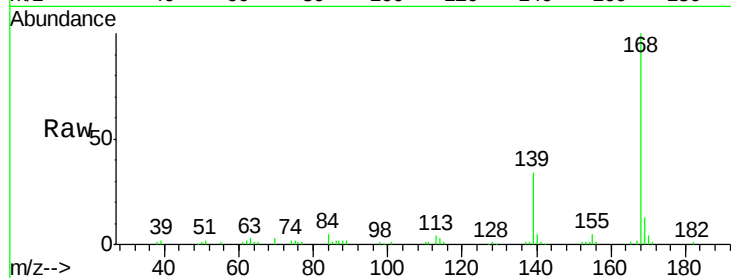
#54
Dibenzenofuran
Concen: 9.50 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF078633.D
Acq: 18 Apr 2015 9:30

Instrument :
BNA_F
ClientSampleId :
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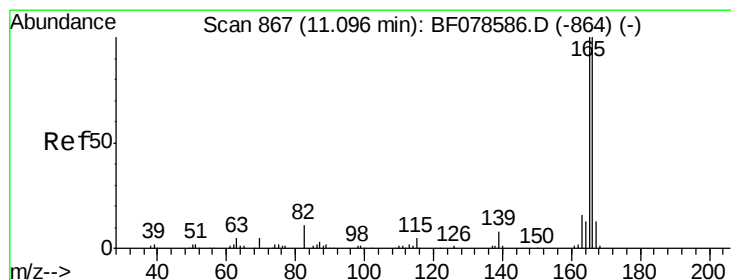
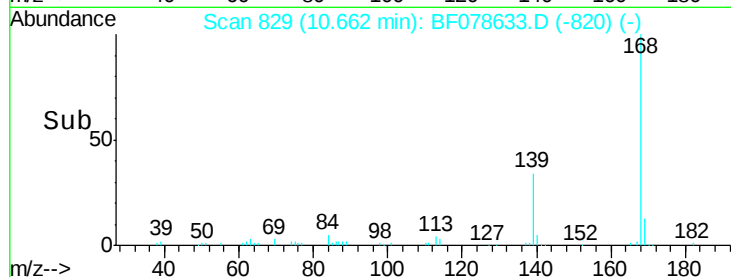
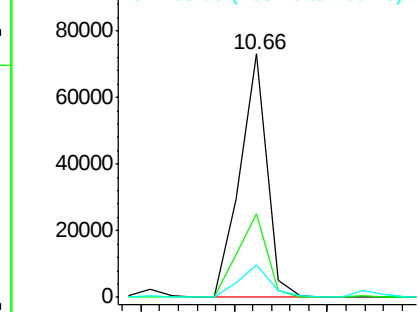
Tot Ion	Ratio	Lower	Upper
168	100		
139	34.4	31.0	46.4
169	13.1	10.7	16.1

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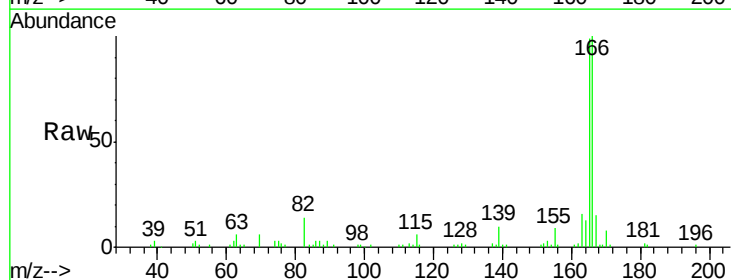


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

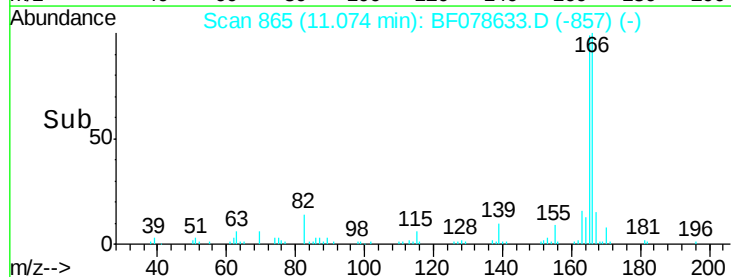
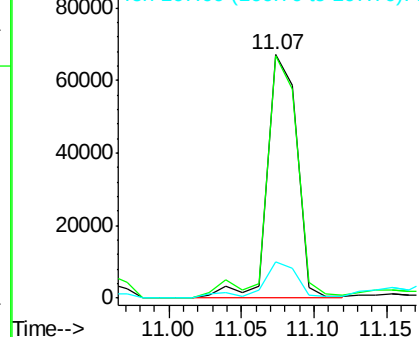


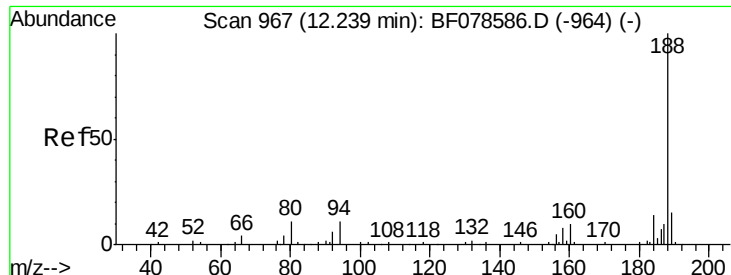
#57
Fluorene
Concen: 15.00 ng
RT: 11.07 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF078633.D
Acq: 18 Apr 2015 9:30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.5	78.9	118.3
167	14.8	10.7	16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





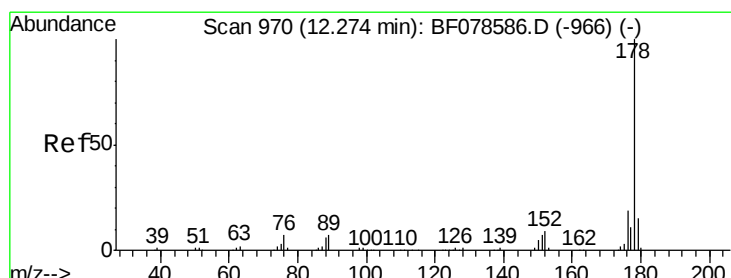
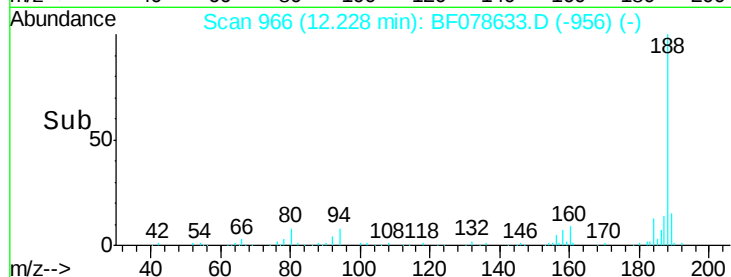
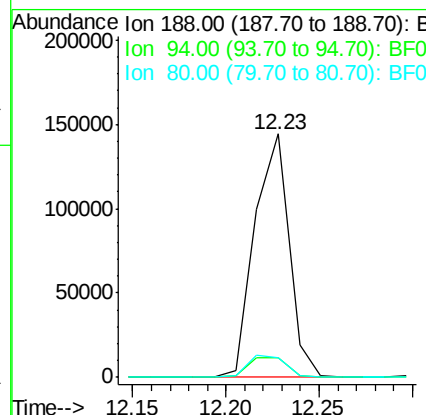
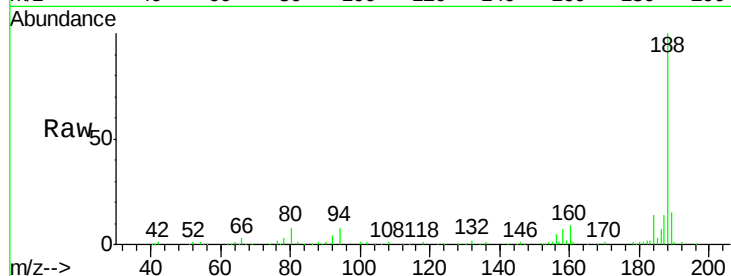
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.23 min Scan# 966
Delta R.T. 0.01 min
Lab File: BF078633.D
Acq: 18 Apr 2015 9:30

Instrument :
BNA_F
ClientSampleId :
S2-1-4

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.0	9.0	13.4#
80	7.9	9.5	14.3#

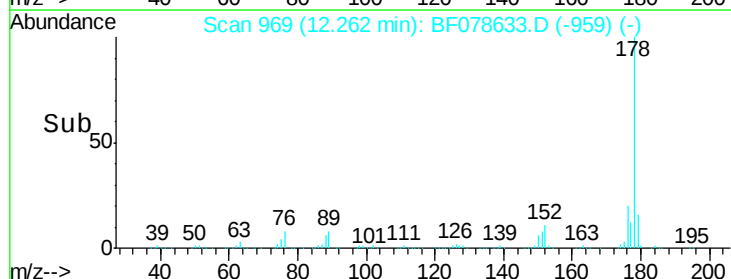
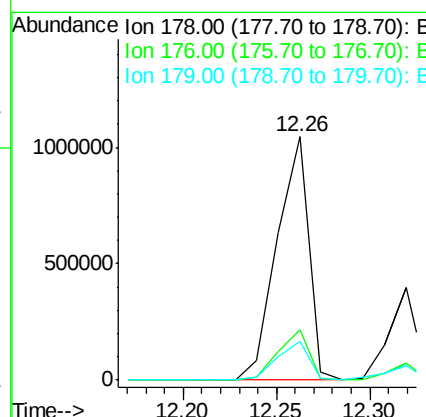
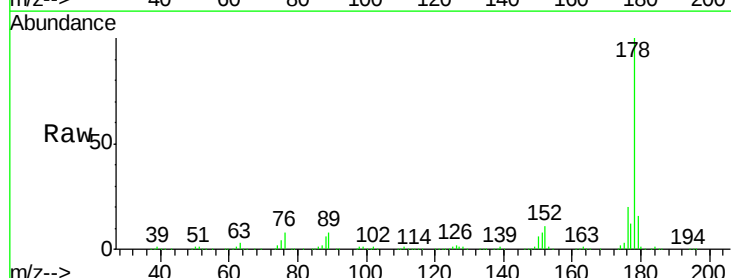
Manual Integrations
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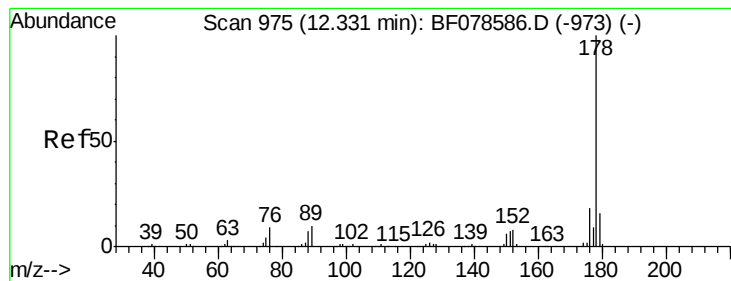
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#70
Phenanthrene
Concen: 116.00 ng
RT: 12.26 min Scan# 969
Delta R.T. 0.01 min
Lab File: BF078633.D
Acq: 18 Apr 2015 9:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.5	15.4	23.0
179	16.1	12.2	18.2





#71

Anthracene

Concen: 36.85 ng

RT: 12.32 min Scan# 974

Delta R.T. 0.01 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Instrument :

BNA_F

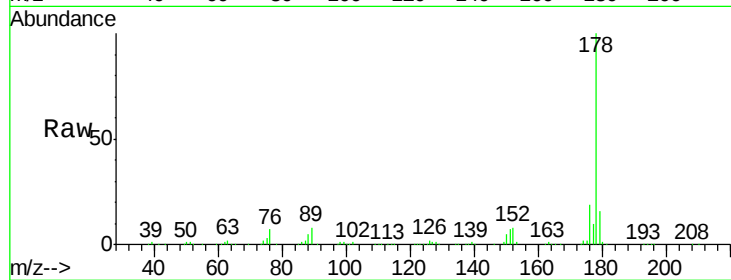
ClientSampleId :

S2-1-4

Tot Ion:	178	Resp:	386371
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.8	22.2
179	15.6	12.4	18.6

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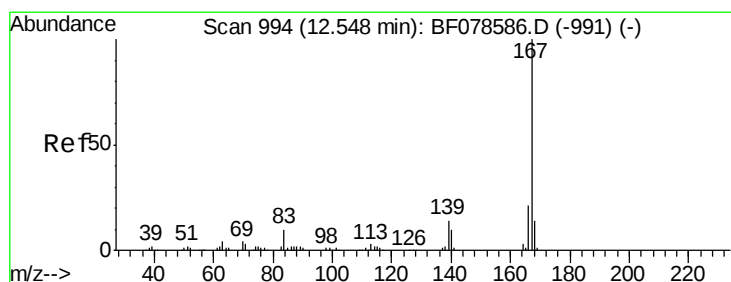
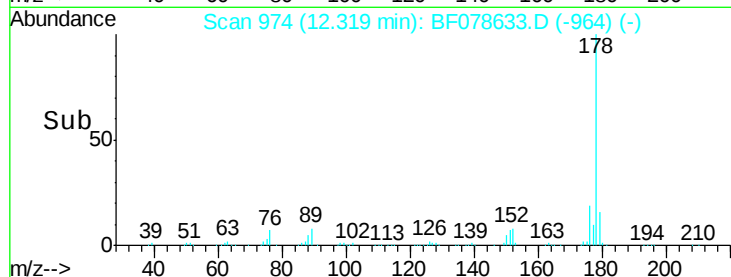
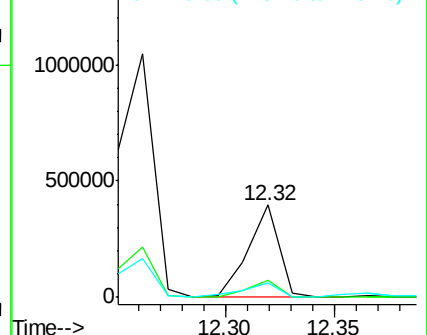
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 11.85 ng

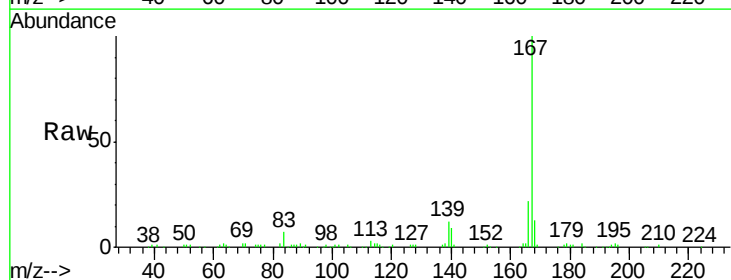
RT: 12.54 min Scan# 993

Delta R.T. 0.00 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

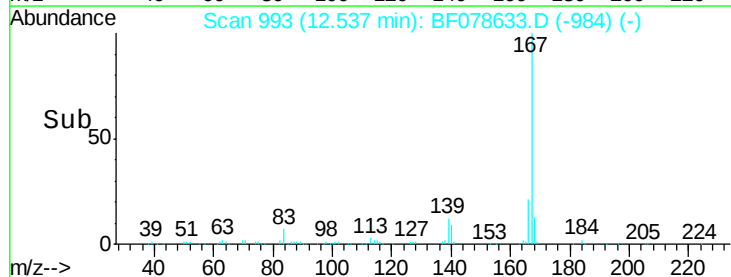
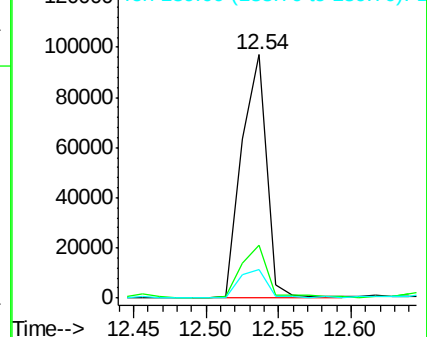
Tgt Ion:	167	Resp:	116487
Ion Ratio	Lower	Upper	
167	100		
166	21.5	16.8	25.2
139	11.6	10.0	15.0

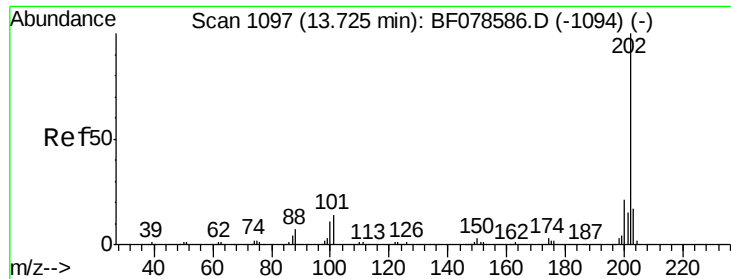


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 152.20 ng

RT: 13.73 min Scan# 1097

Delta R.T. 0.02 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Instrument :

BNA_F

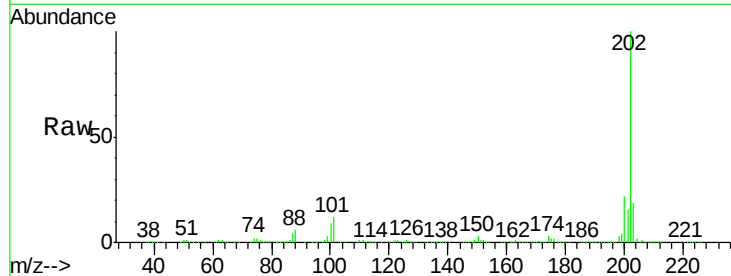
ClientSampleId :

S2-1-4

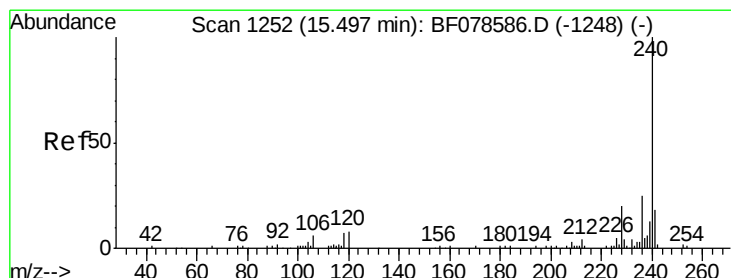
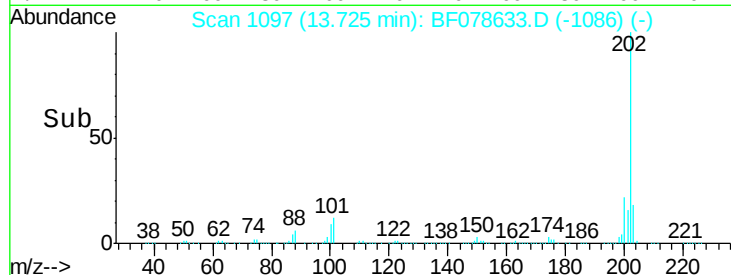
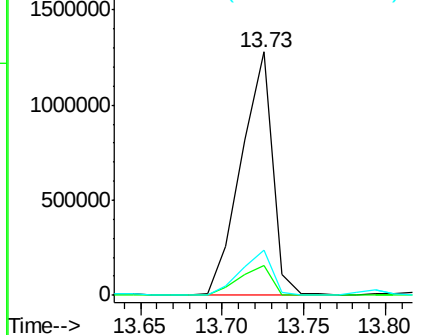
Tot Ion:	202	Resp:	1707893
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	35.2
203	18.6	0.0	38.5

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



#75

Chrysene-d12

Concen: 20.00 ng

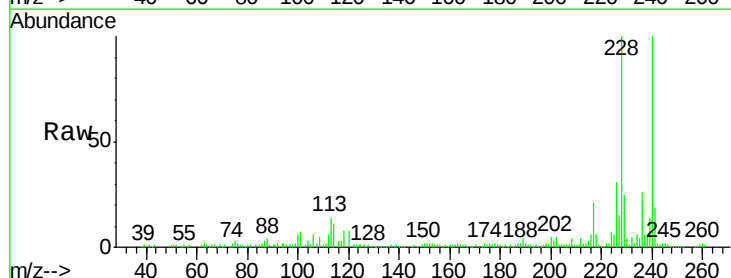
RT: 15.49 min Scan# 1251

Delta R.T. 0.02 min

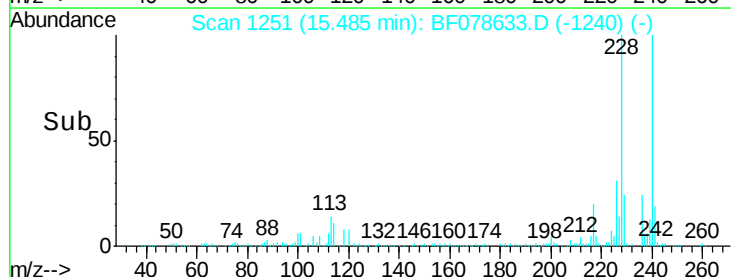
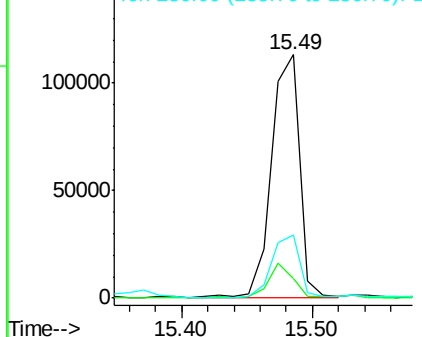
Lab File: BF078633.D

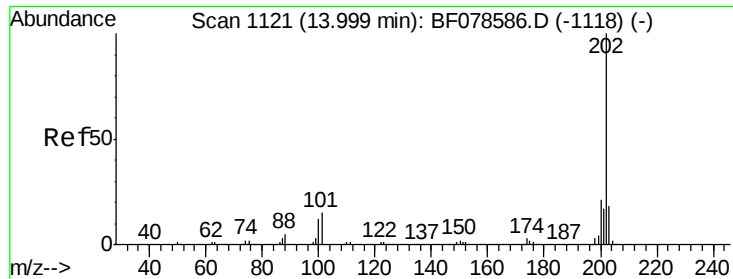
Acq: 18 Apr 2015 9:30

Tgt Ion:	240	Resp:	170735
Ion Ratio	Lower	Upper	
240	100		
120	8.3	7.1	10.7
236	26.1	21.4	32.2



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





#77

Pvrene

Concen: 148.27 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.02 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Instrument :

BNA_F

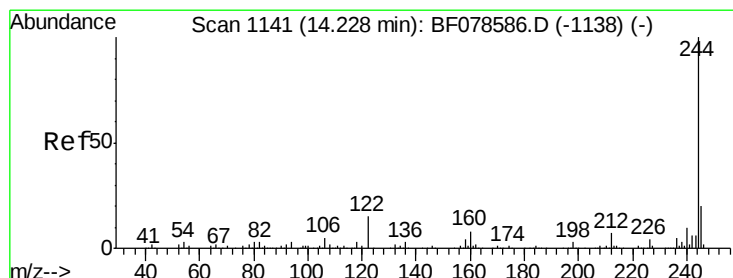
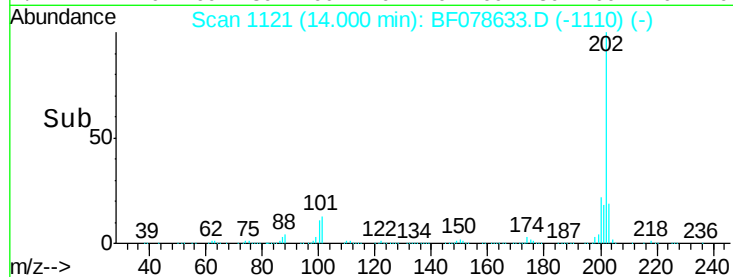
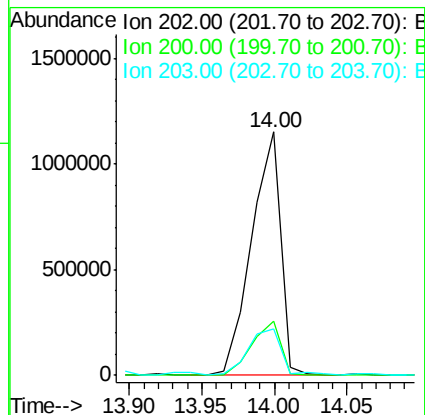
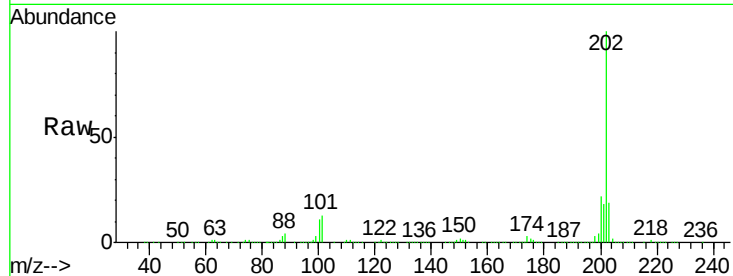
ClientSampleId :

S2-1-4

Tot Ion:	202	Resp:	1589193
Ion	Ratio	Lower	Upper
202	100		
200	22.4	16.3	24.5
203	18.9	13.8	20.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 12.67 ng

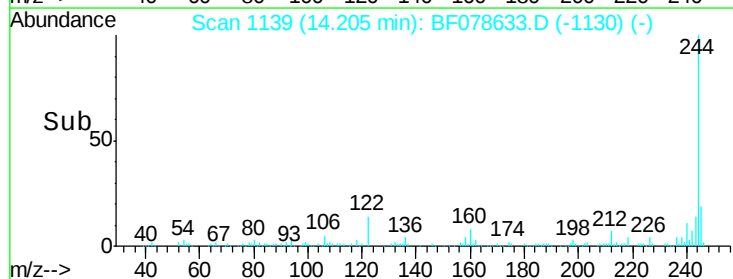
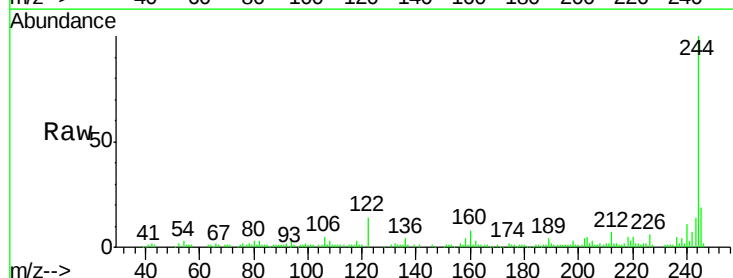
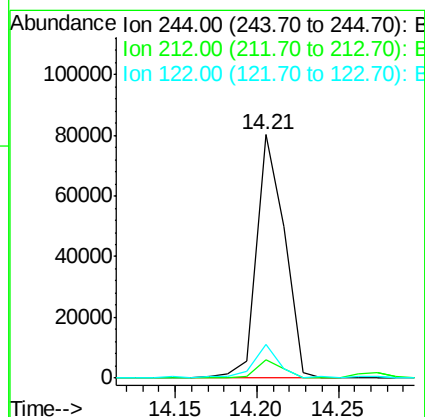
RT: 14.21 min Scan# 1139

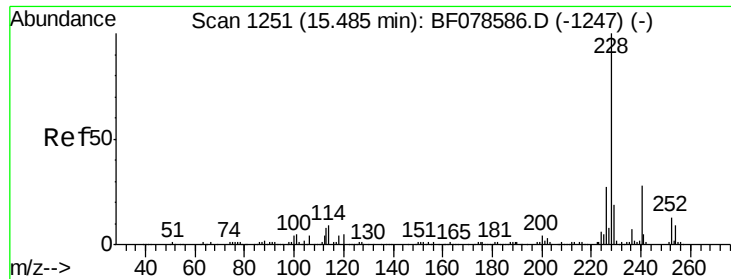
Delta R.T. 0.00 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Tgt Ion:	244	Resp:	95731
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.0	7.4
122	14.0	7.1	10.7#





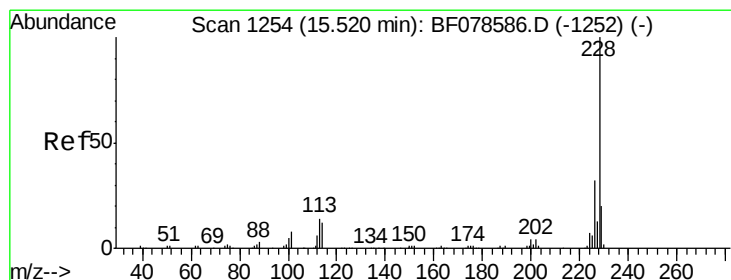
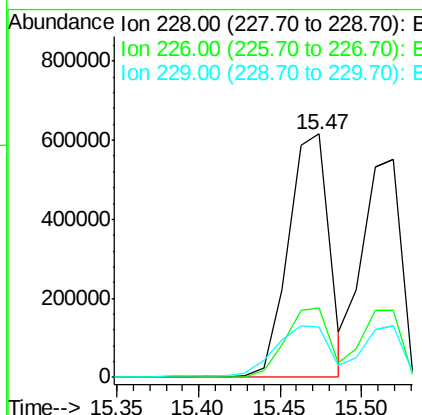
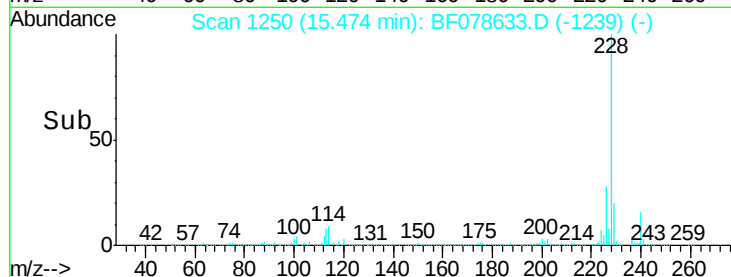
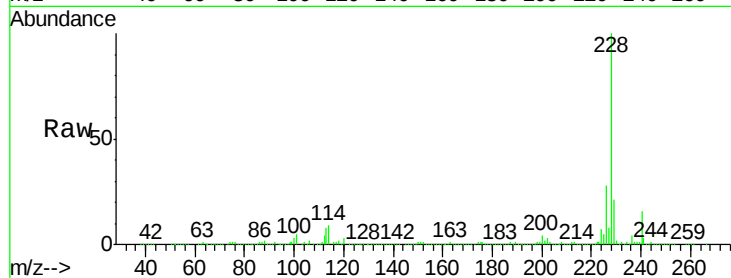
#80
Benzo(a)anthracene
Concen: 104.84 ng
RT: 15.47 min Scan# 1250
Delta R.T. 0.02 min
Lab File: BF078633.D
Acq: 18 Apr 2015 9:30

Instrument :
BNA_F
ClientSampleId :
S2-1-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.3	31.9
229	20.7	15.4	23.2

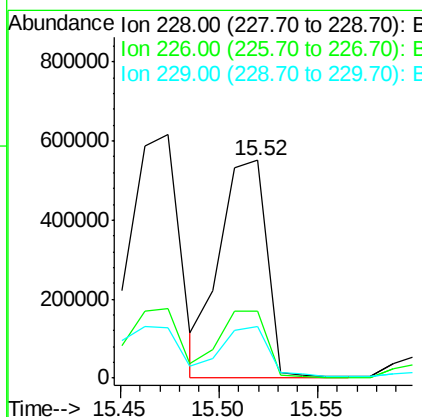
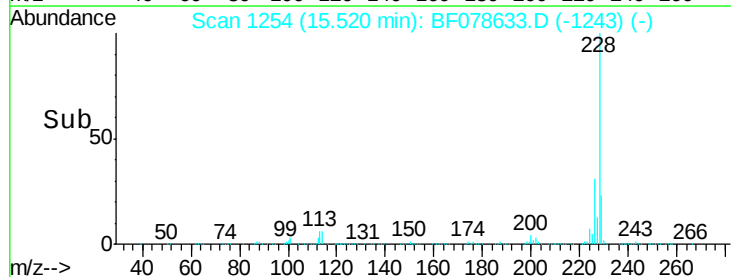
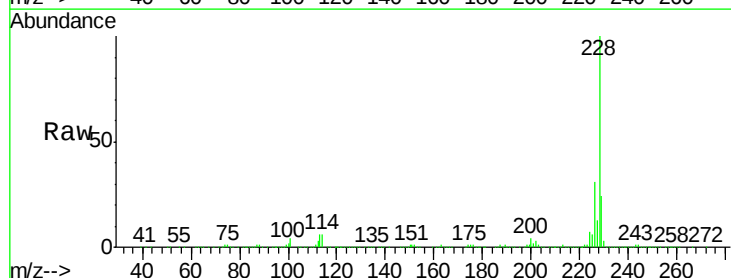
Manual Integrations
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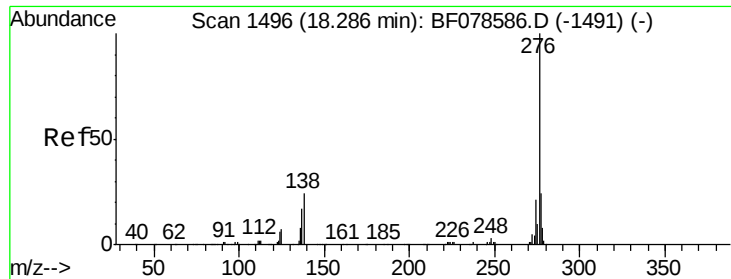
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#82
Chrysene
Concen: 96.07 ng m
RT: 15.52 min Scan# 1254
Delta R.T. 0.02 min
Lab File: BF078633.D
Acq: 18 Apr 2015 9:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.2	36.4
229	23.9	15.8	23.8#





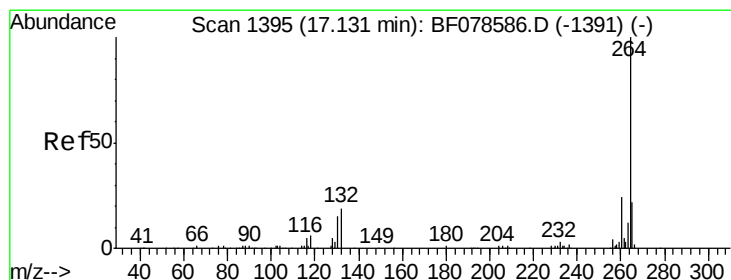
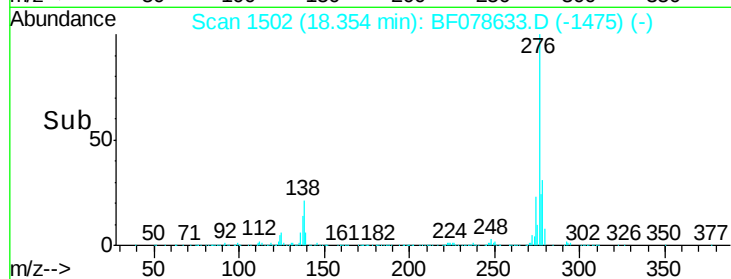
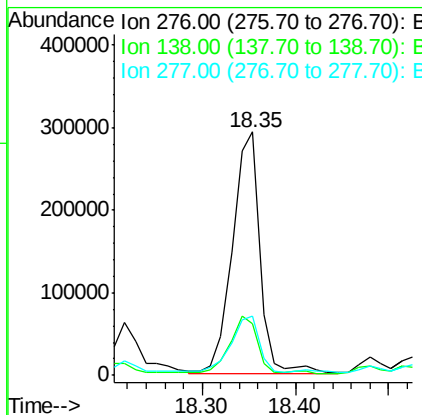
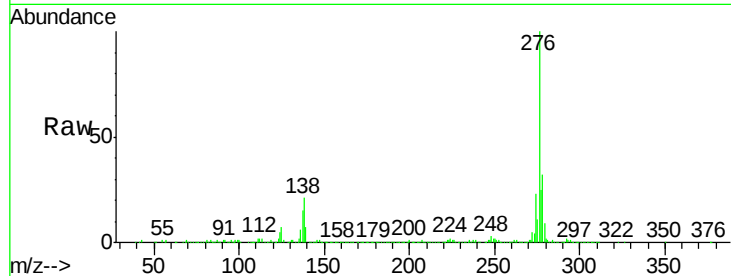
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 55.81 ng
 RT: 18.35 min Scan# 1502
 Delta R.T. 0.01 min
 Lab File: BF078633.D
 Acq: 18 Apr 2015 9:30

Instrument :
 BNA_F
 ClientSampleId :
 S2-1-4

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	16.9	25.3
277	25.8	15.8	23.6

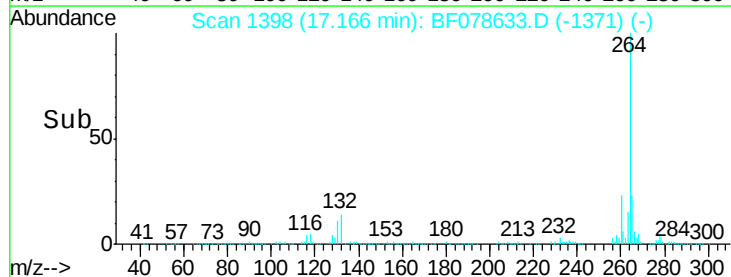
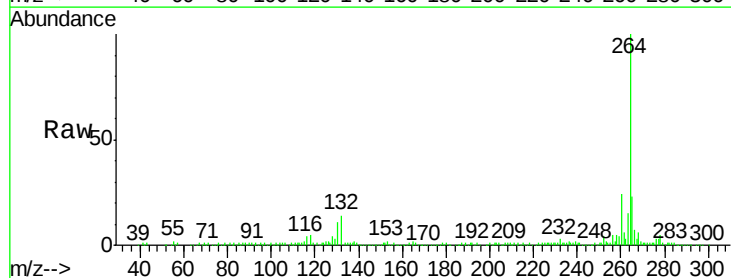
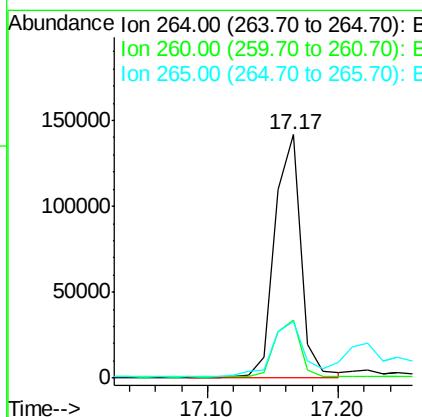
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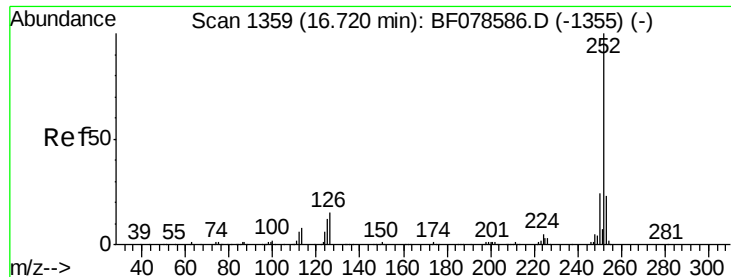
apatel
 4/20/2015 3:57:30 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.17 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: BF078633.D
 Acq: 18 Apr 2015 9:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	27.8
265	23.3	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 90.17 ng m

RT: 16.74 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Instrument :

BNA_F

ClientSampleId :

S2-1-4

Tot Ion:252 Resp: 1107320

Ion Ratio Lower Upper

252 100

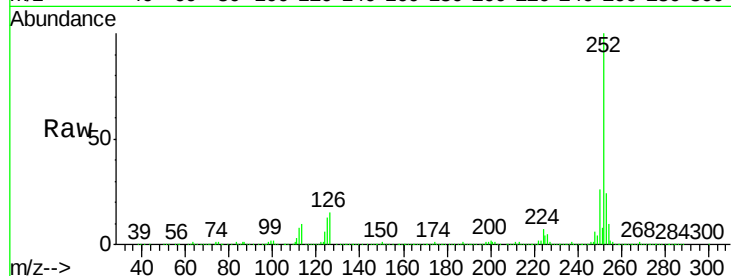
253 23.6 17.2 25.8

125 12.7 7.0 10.4#

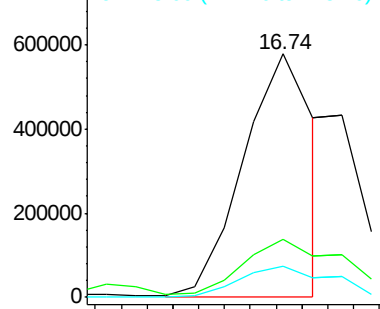
Manual Integrations
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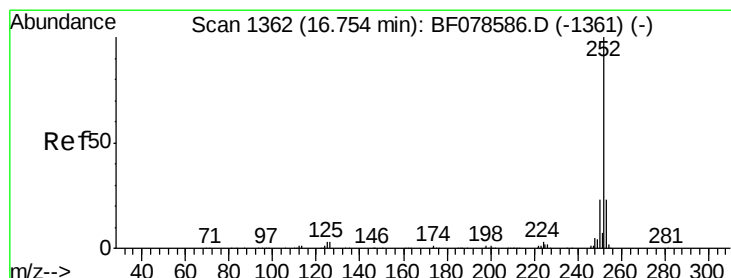
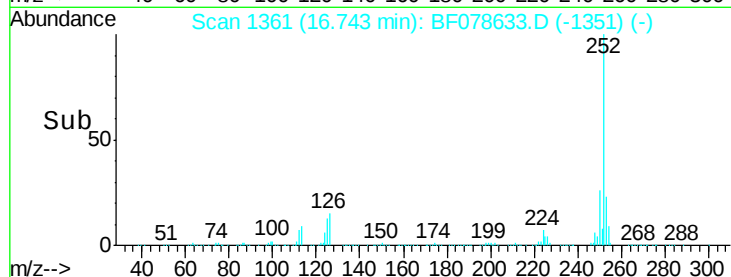
4/20/2015 3:57:30 PM



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



Time-->



#88

Benzo(k)fluoranthene

Concen: 38.25 ng m

RT: 16.77 min Scan# 1363

Delta R.T. 0.01 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

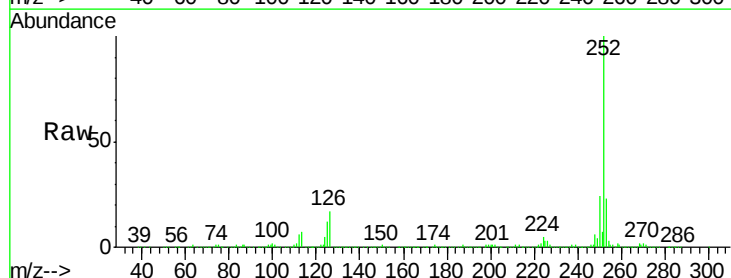
Tgt Ion:252 Resp: 417424

Ion Ratio Lower Upper

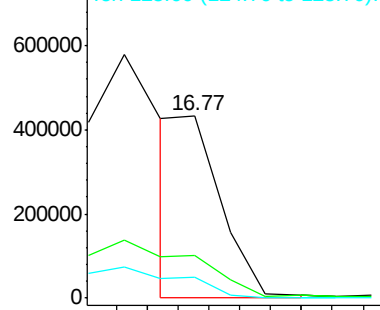
252 100

253 23.4 17.5 26.3

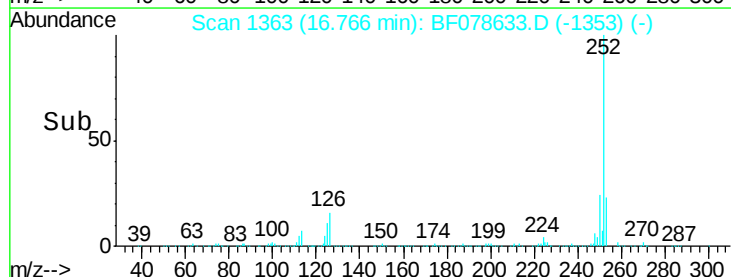
125 11.6 11.6 17.4#

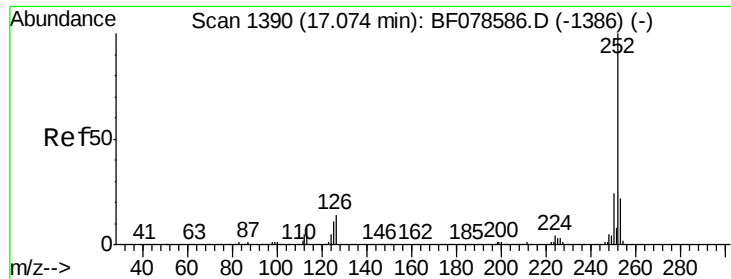


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#89

Benzo(a)pyrene

Concen: 75.13 ng

RT: 17.11 min Scan# 1393

Delta R.T. 0.01 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Instrument :

BNA_F

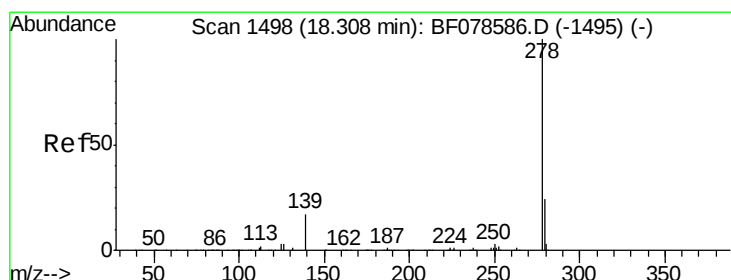
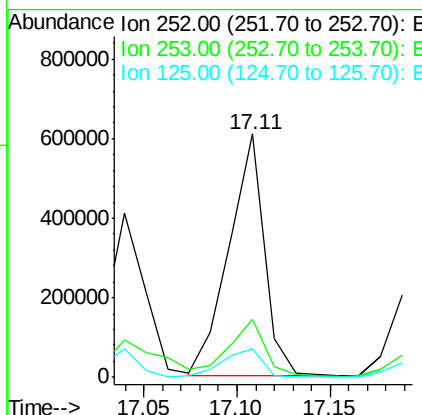
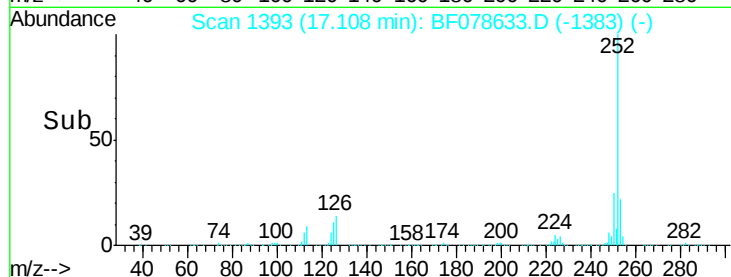
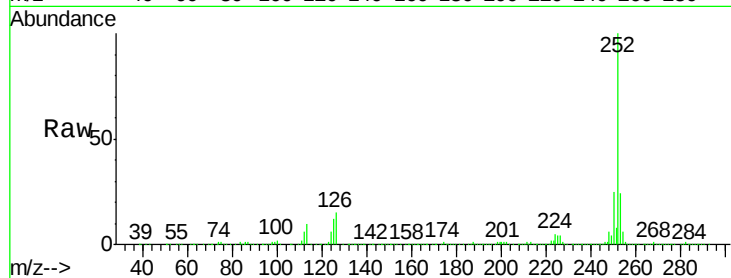
ClientSampled :

S2-1-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	16.8	25.2
125	11.7	7.4	11.0

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#90

Dibenzo(a,h)anthracene

Concen: 12.58 ng m

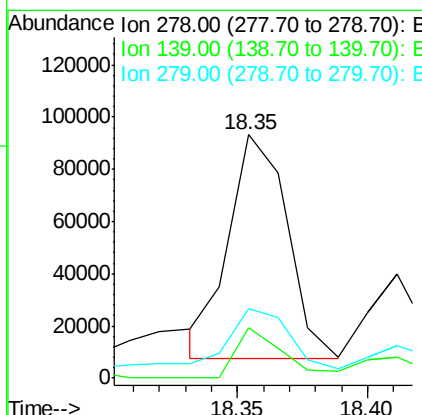
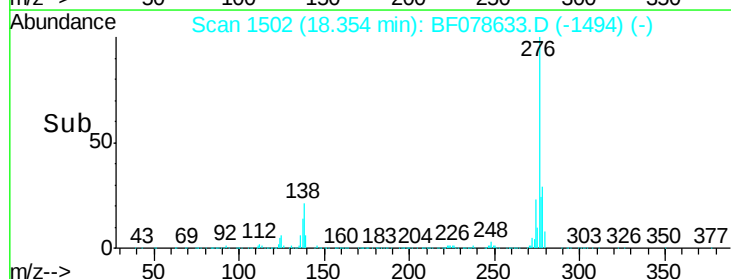
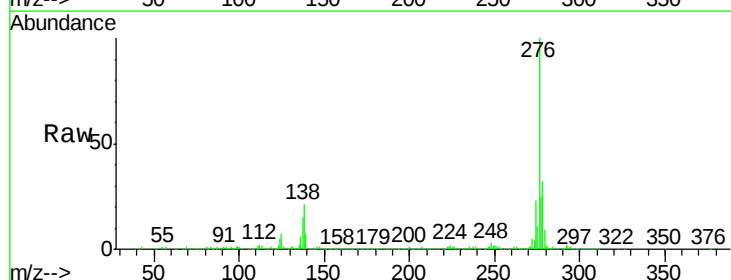
RT: 18.35 min Scan# 1502

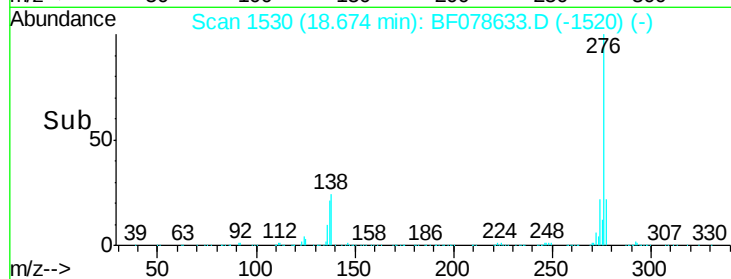
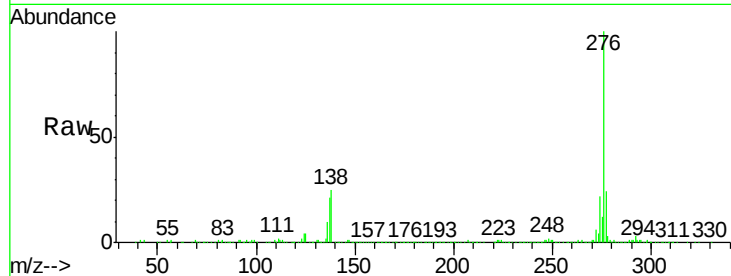
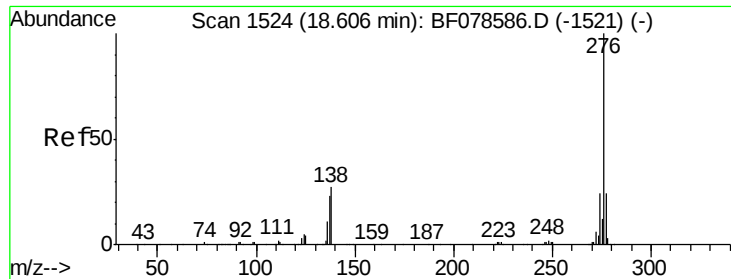
Delta R.T. -0.01 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.8	13.6	20.4
279	28.7	19.0	28.6





#91

Benzo(a,h,i)perylene

Concen: 50.04 ng

RT: 18.67 min Scan# 1530

Delta R.T. 0.01 min

Lab File: BF078633.D

Acq: 18 Apr 2015 9:30

Tot Ion:	276	Resp:	538340
Ion Ratio	Lower	Upper	
276	100		
277	23.9	19.0	28.4
138	24.6	19.9	29.9

Instrument :

BNA_F

ClientSampleId :

S2-1-4

Manual Integrations
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