

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
 Data File : BF078699.D
 Acq On : 21 Apr 2015 23:11
 Operator : TP/IZ
 Sample : G1938-13 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-81S

Manual Integrations
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Quant Time: Apr 22 03:50:42 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 22 00:52:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.82	152	34283	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	143700	20.00	ng	-0.01
38) Acenaphthene-d10	11.16	164	73289	20.00	ng	-0.01
63) Phenanthrene-d10	13.90	188	148558	20.00	ng	-0.01
75) Chrysene-d12	17.77	240	163041	20.00	ng	-0.01
86) Perylene-d12	19.45	264	159667	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	3.84	112	32364	15.56	ng	0.01
7) Phenol-d6	5.32	99	43123	16.55	ng	0.00
23) Nitrobenzene-d5	6.75	82	25220	10.64	ng	-0.01
41) 2,4,6-Tribromophenol	12.64	330	11196	18.42	ng	-0.01
44) 2-Fluorobiphenyl	9.99	172	50437	9.84	ng	-0.01
78) Terphenyl-d14	16.43	244	59405	8.23	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	13.94	178	83915	9.77	ng	99
71) Anthracene	14.03	178	23718	2.80	ng	98
74) Fluoranthene	15.83	202	237016	26.15	ng	96
77) Pyrene	16.15	202	243959	23.84	ng	# 95
80) Benzo(a)anthracene	17.76	228	142031	14.64	ng	99
82) Chrysene	17.81	228	99917	10.96	ng	97
85) Indeno(1,2,3-cd)pyrene	20.59	276	79098	7.65	ng	# 87
87) Benzo(b)fluoranthene	19.04	252	156012m	15.81	ng	
88) Benzo(k)fluoranthene	19.05	252	54698m	6.24	ng	
89) Benzo(a)pyrene	19.39	252	121672	14.13	ng	97
90) Dibenzo(a,h)anthracene	20.61	278	17254m	2.00	ng	
91) Benzo(a,h,i)perylene	20.90	276	78142	9.04	ng	99

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

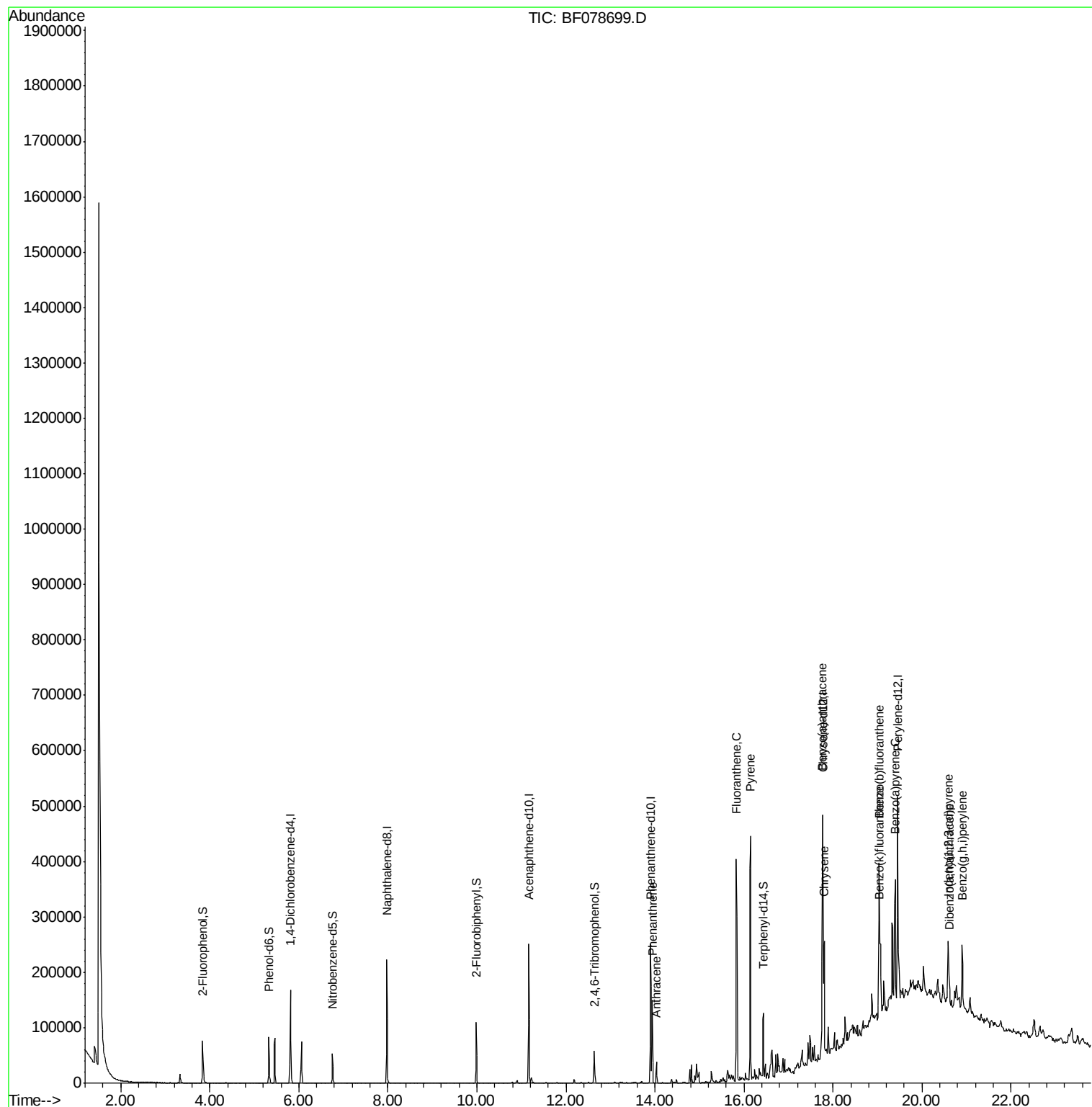
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\
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ALS Vial : 17 Sample Multiplier: 1

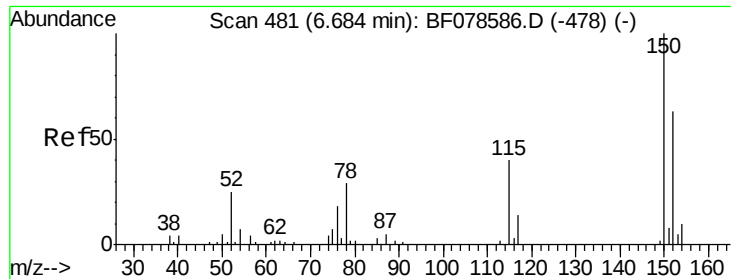
Instrument :
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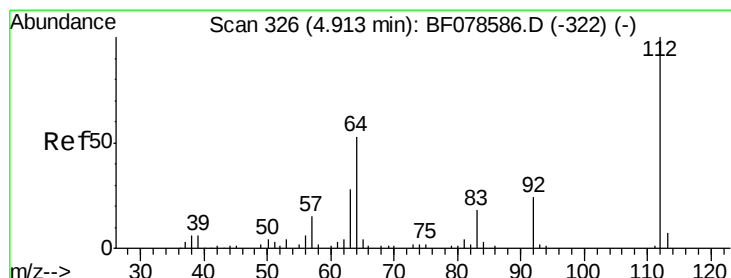
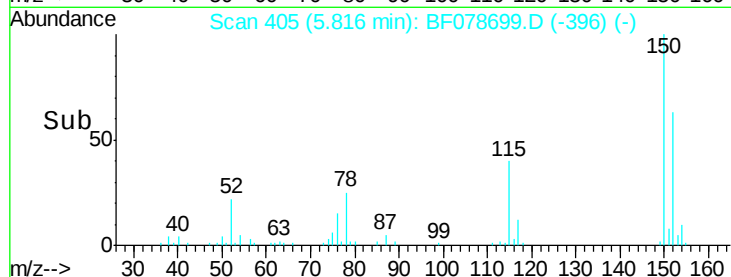
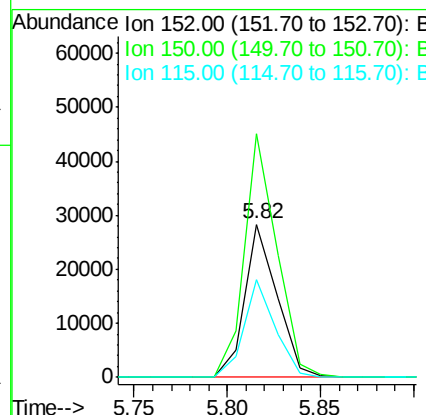
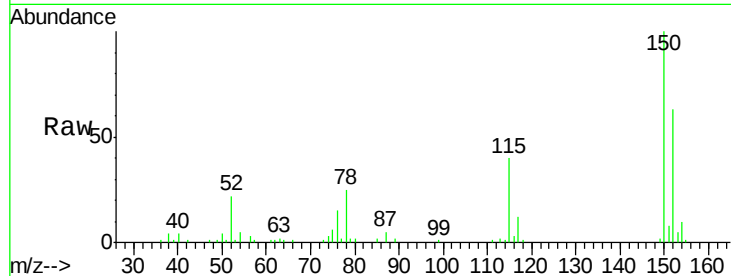
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.82 min Scan# 405
 Delta R.T. -0.00 min
 Lab File: BF078699.D
 Acq: 21 Apr 2015 23:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-81S

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	125.9	188.9
115	63.4	52.7	79.1

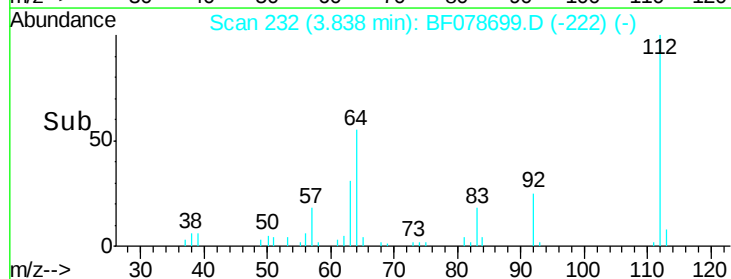
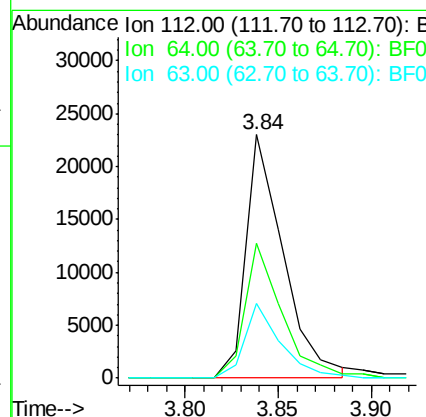
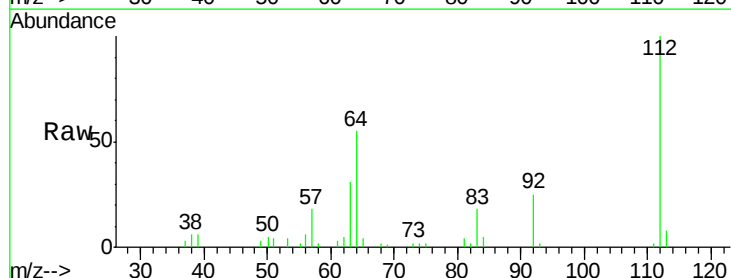
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#5
 2-Fluorophenol
 Concen: 15.56 ng
 RT: 3.84 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: BF078699.D
 Acq: 21 Apr 2015 23:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	39.9	59.9
63	30.6	20.2	30.4





#7

Phenol-d6

Concen: 16.55 ng

RT: 5.32 min Scan# 362

Delta R.T. -0.00 min

Lab File: BF078699.D

Acq: 21 Apr 2015 23:11

Instrument :

BNA_F

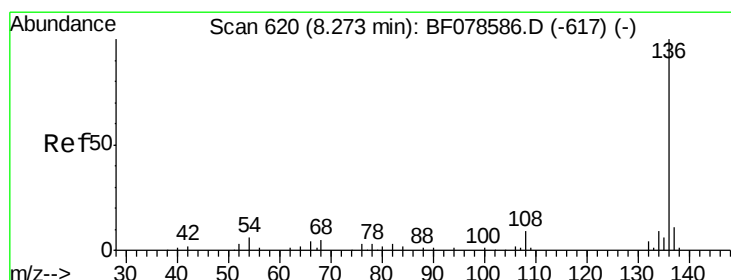
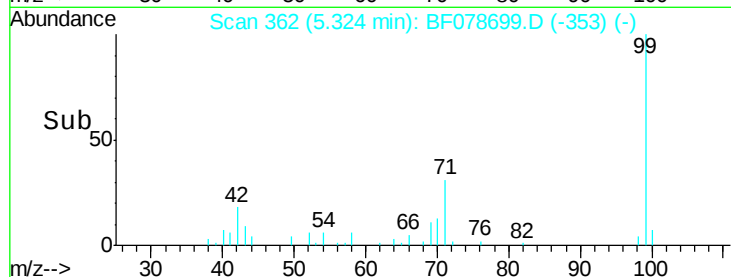
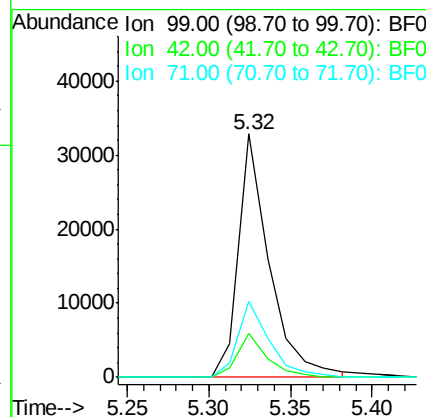
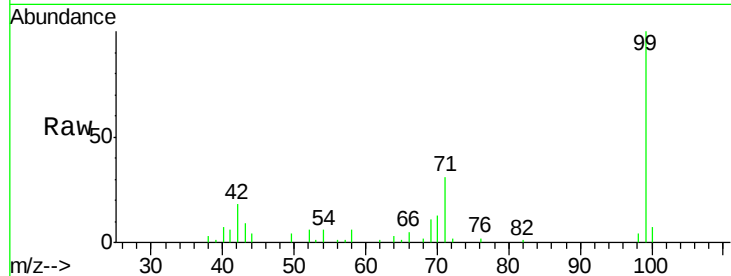
ClientSampleId :

SB-81S

Tot Ion:	99	Resp:	43123
Ion Ratio	Lower	Upper	
99	100		
42	17.9	14.8	22.2
71	31.3	26.6	39.8

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#21

Naphthalene-d8

Concen: 20.00 ng

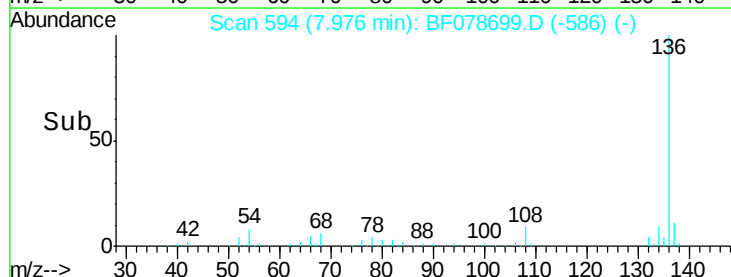
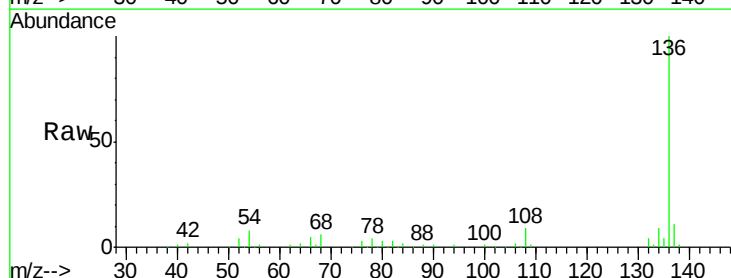
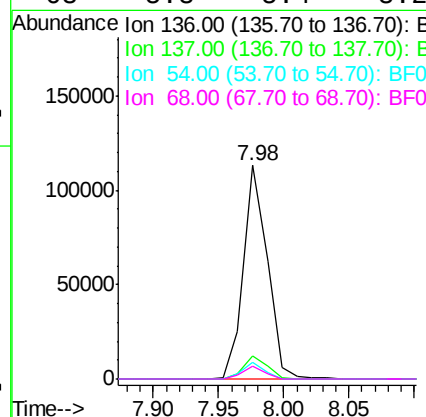
RT: 7.98 min Scan# 594

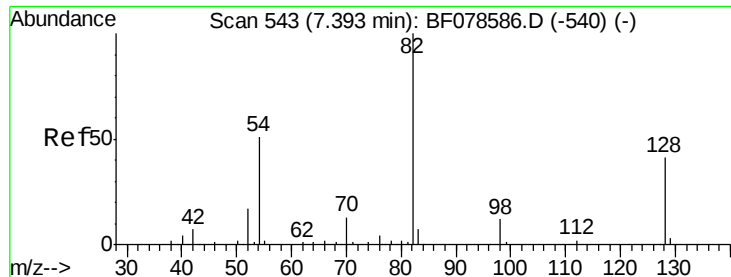
Delta R.T. -0.01 min

Lab File: BF078699.D

Acq: 21 Apr 2015 23:11

Tgt Ion:	136	Resp:	143700
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	7.7	7.0	10.6
68	5.8	5.4	8.2





#23

Nitrobenzene-d5

Concen: 10.64 ng

RT: 6.75 min Scan# 487

Delta R.T. -0.01 min

Lab File: BF078699.D

Acq: 21 Apr 2015 23:11

Instrument :

BNA_F

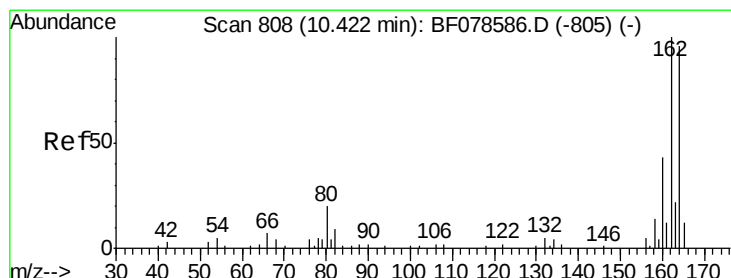
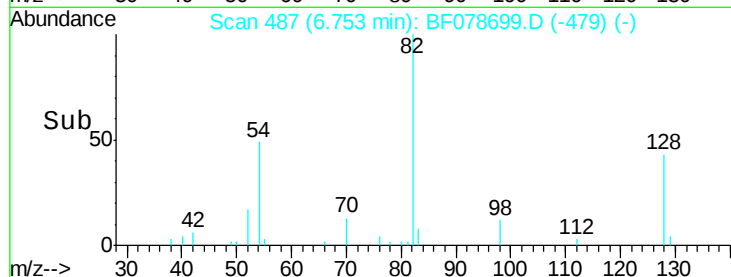
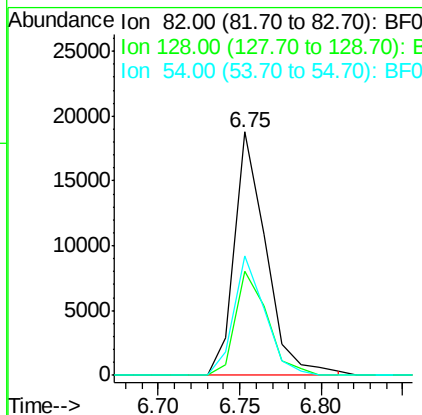
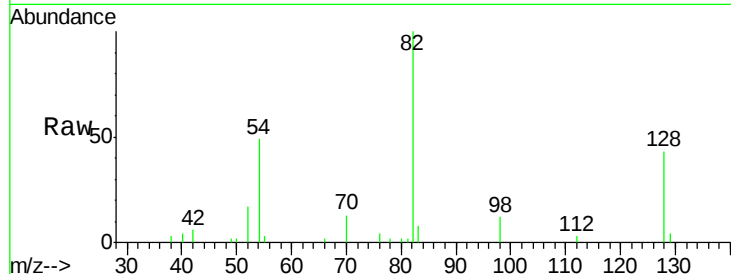
ClientSampled :

SB-81S

Tot Ion:	82	Resp:	25220
Ion Ratio	Lower	Upper	
82	100		
128	42.8	31.8	47.8
54	49.2	41.5	62.3

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#38

Acenaphthene-d10

Concen: 20.00 ng

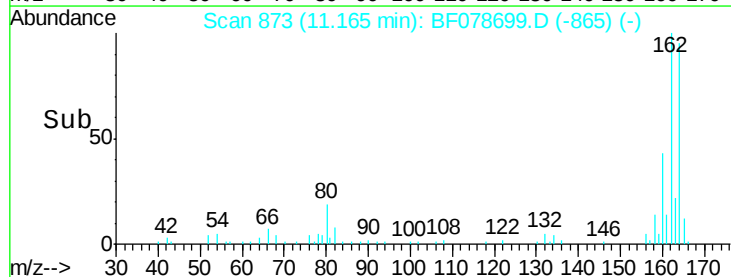
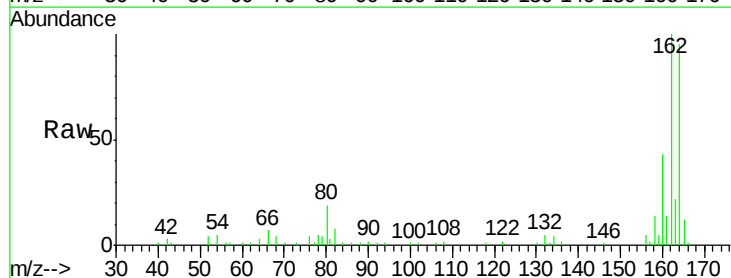
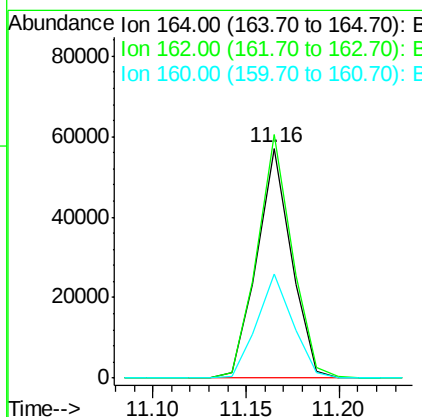
RT: 11.16 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF078699.D

Acq: 21 Apr 2015 23:11

Tgt Ion:	164	Resp:	73289
Ion Ratio	Lower	Upper	
164	100		
162	105.8	82.2	123.2
160	45.1	34.7	52.1





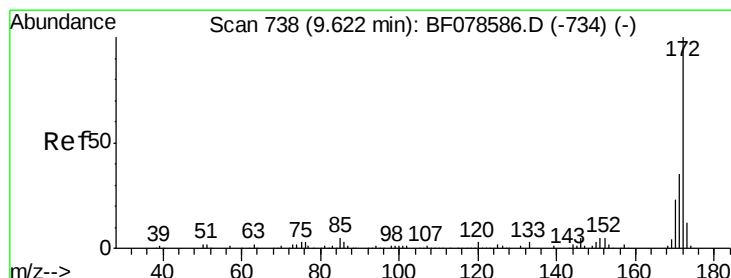
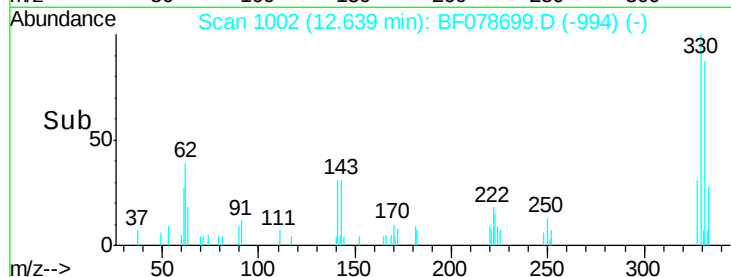
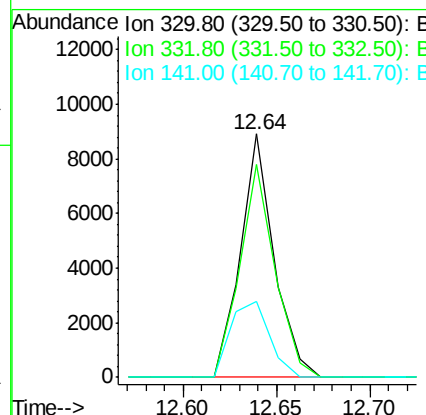
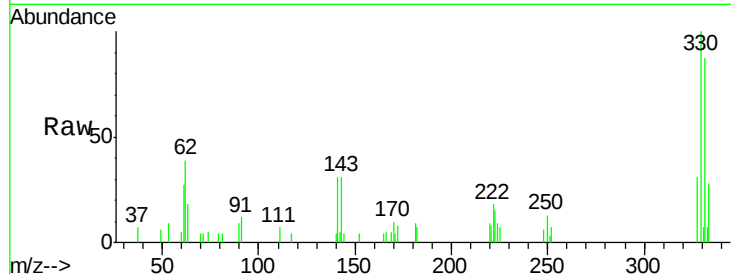
#41
 2,4,6-Tribromophenol
 Concen: 18.42 ng
 RT: 12.64 min Scan# 1002
 Delta R.T. -0.01 min
 Lab File: BF078699.D
 Acq: 21 Apr 2015 23:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-81S

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	91.1	78.6	117.8	
141	36.2	31.2	46.8	

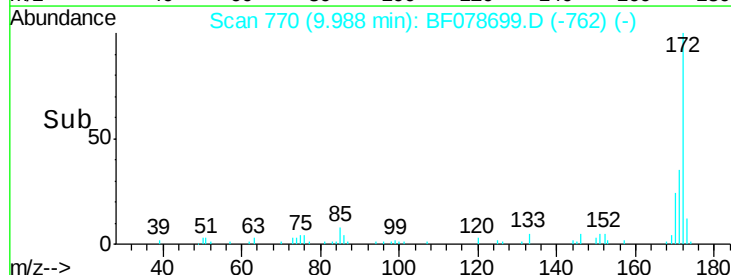
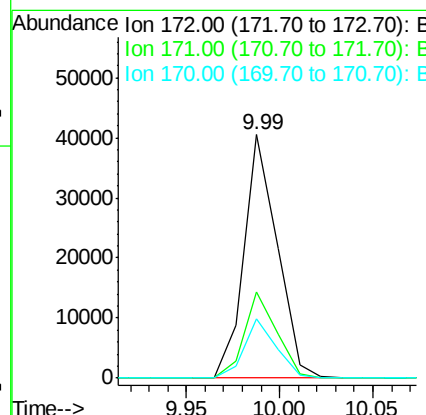
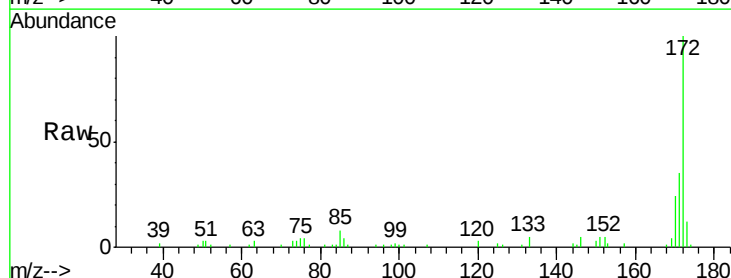
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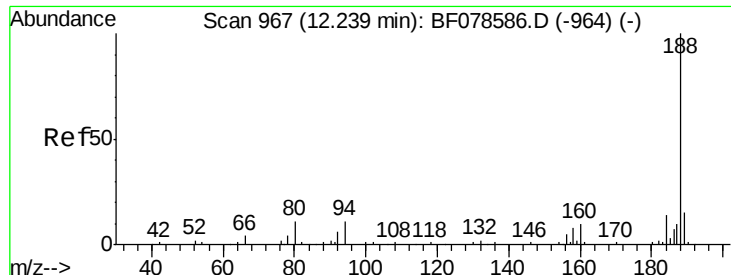
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#44
 2-Fluorobiphenyl
 Concen: 9.84 ng
 RT: 9.99 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BF078699.D
 Acq: 21 Apr 2015 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	28.6	42.8	
170	24.4	18.5	27.7	





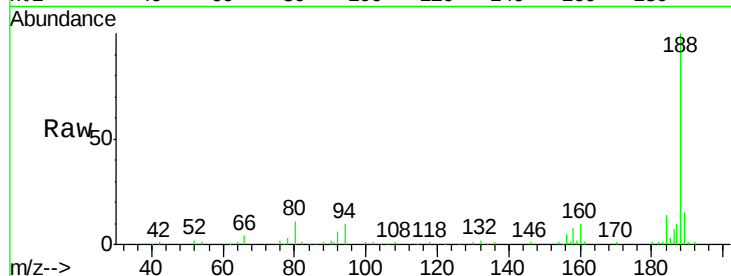
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.90 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BF078699.D
Acq: 21 Apr 2015 23:11

Instrument :
BNA_F
ClientSampleId :
SB-81S

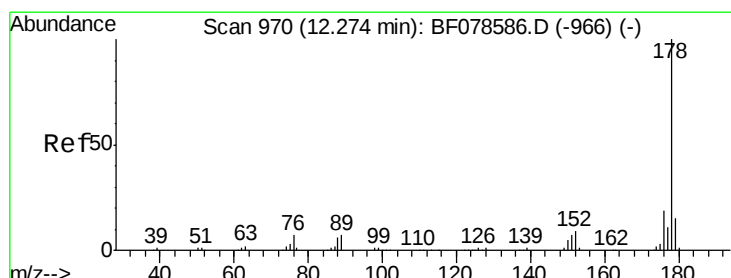
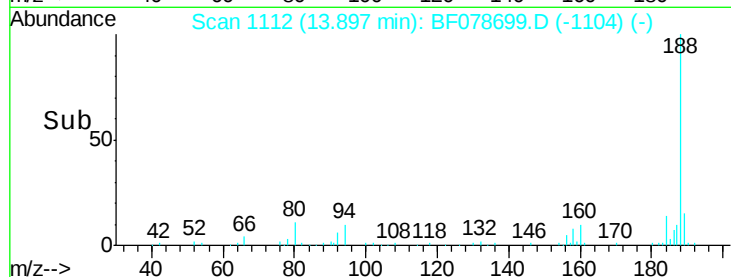
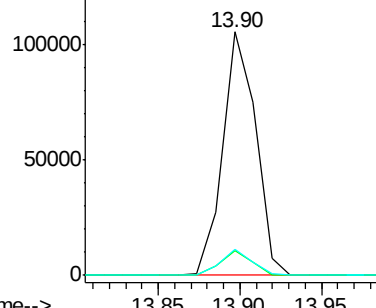
Tot Ion:	188	Resp:	148558
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.0	13.4
80	10.9	9.5	14.3

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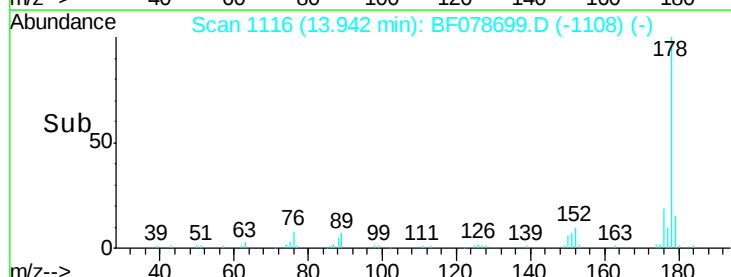
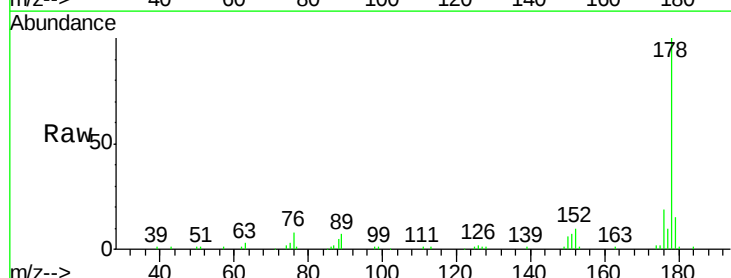
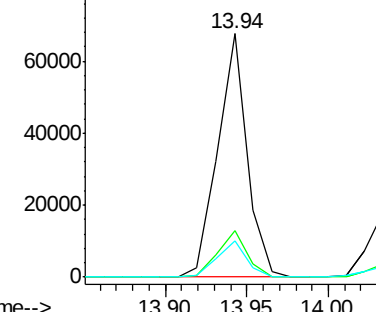
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Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

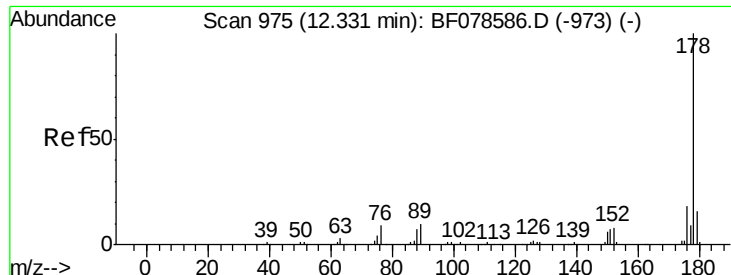


#70
Phenanthrene
Concen: 9.77 ng
RT: 13.94 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF078699.D
Acq: 21 Apr 2015 23:11

Tgt Ion:	178	Resp:	83915
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.4	23.0
179	14.8	12.2	18.2

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





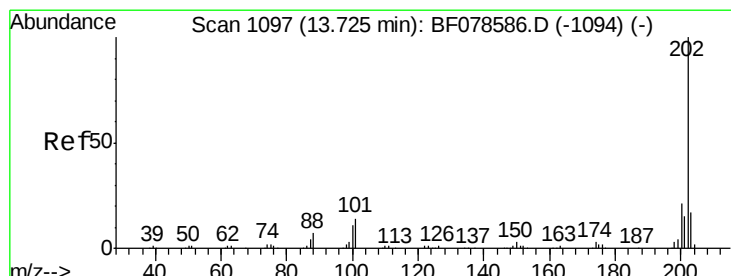
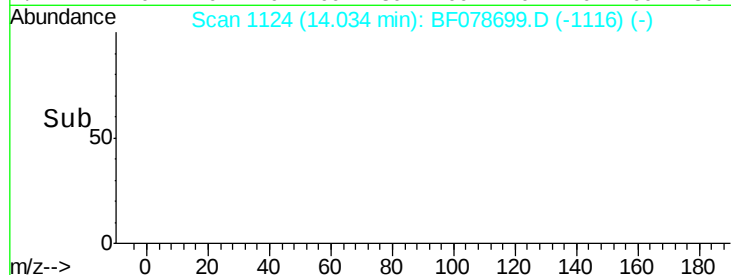
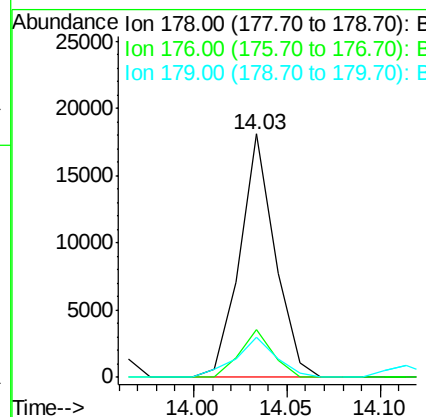
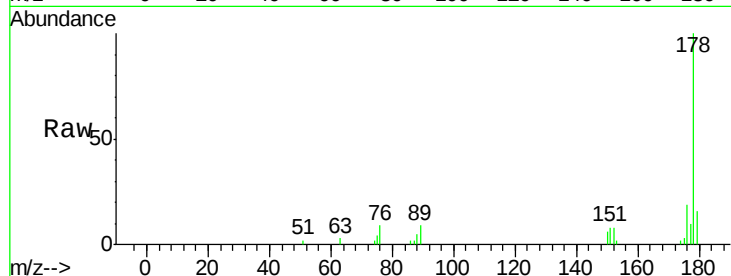
#71
 Anthracene
 Concen: 2.80 ng
 RT: 14.03 min Scan# 1124
 Delta R.T. -0.01 min
 Lab File: BF078699.D
 Acq: 21 Apr 2015 23:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-81S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.8	22.2
179	16.2	12.4	18.6

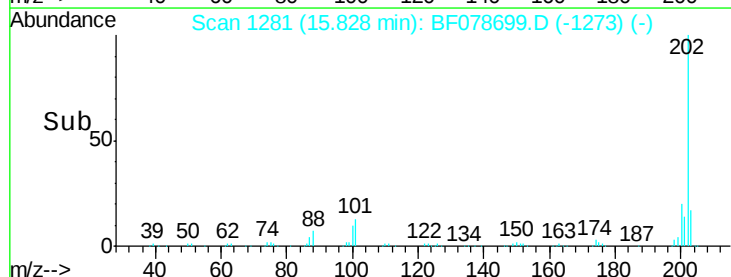
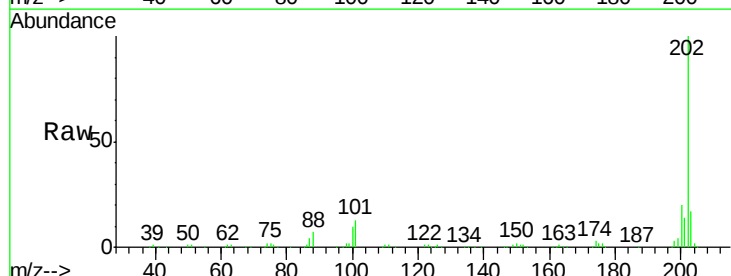
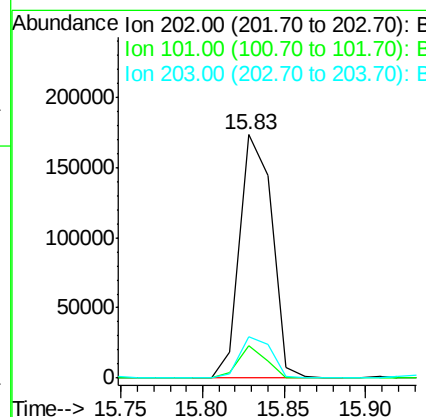
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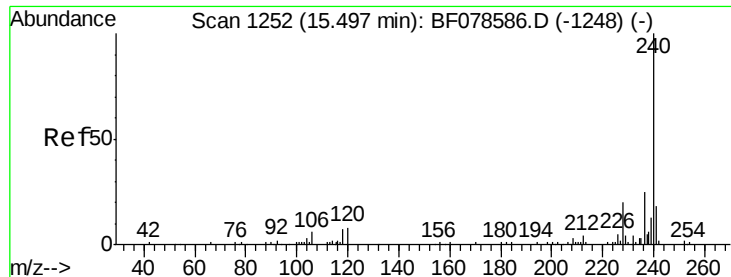
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#74
 Fluoranthene
 Concen: 26.15 ng
 RT: 15.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF078699.D
 Acq: 21 Apr 2015 23:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	35.2
203	17.0	0.0	38.5





#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.77 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF078699.D

Acq: 21 Apr 2015 23:11

Instrument :

BNA_F

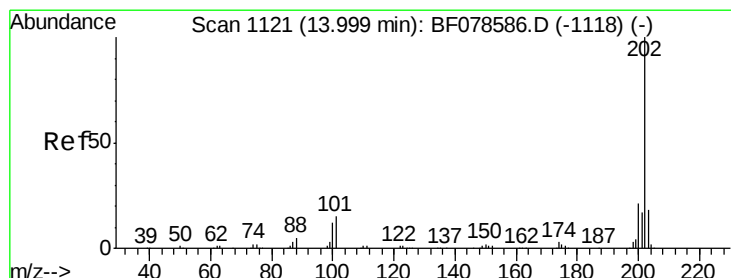
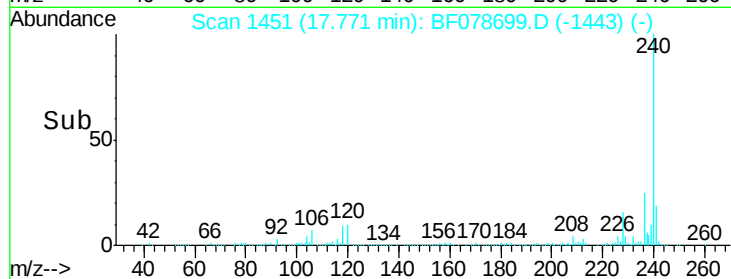
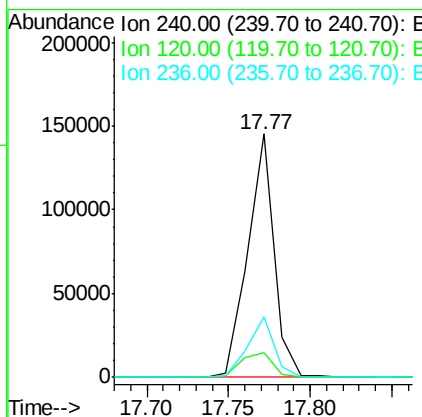
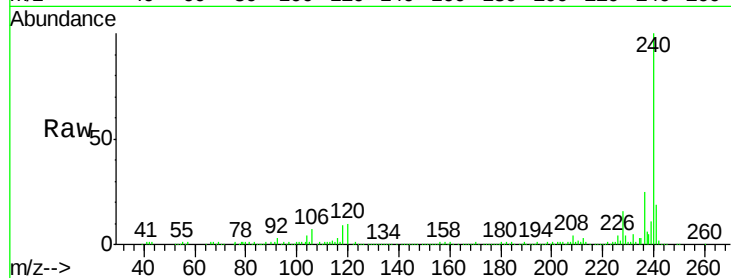
ClientSampleId :

SB-81S

Tot Ion:	240	Resp:	163041
Ion Ratio	Lower	Upper	
240	100		
120	10.1	7.1	10.7
236	25.0	21.4	32.2

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#77

Pyrene

Concen: 23.84 ng

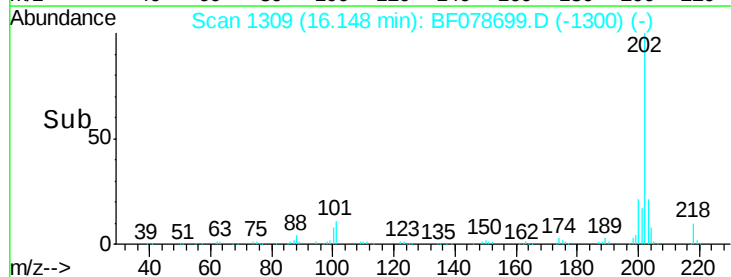
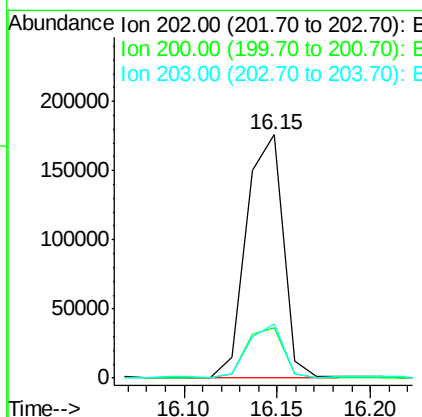
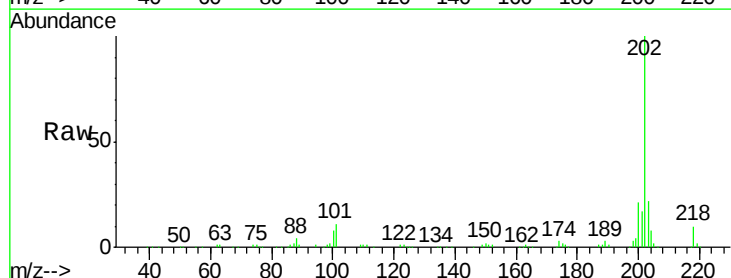
RT: 16.15 min Scan# 1309

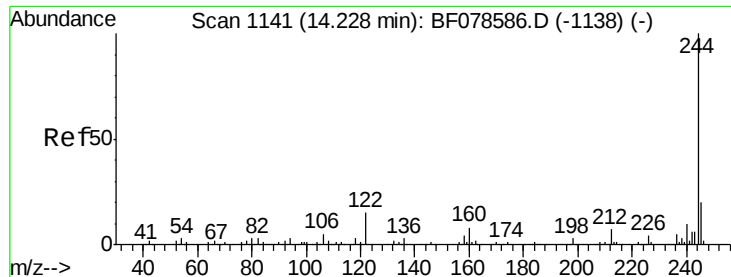
Delta R.T. -0.00 min

Lab File: BF078699.D

Acq: 21 Apr 2015 23:11

Tgt Ion:	202	Resp:	243959
Ion Ratio	Lower	Upper	
202	100		
200	20.7	16.3	24.5
203	22.0	13.8	20.6#





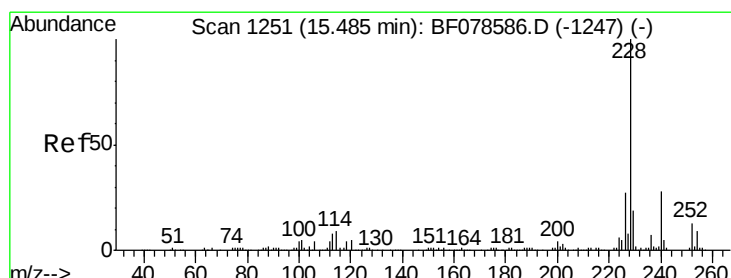
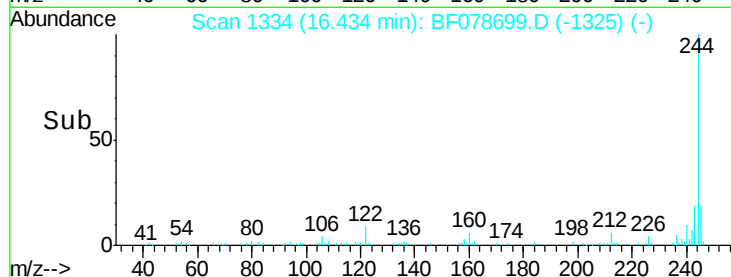
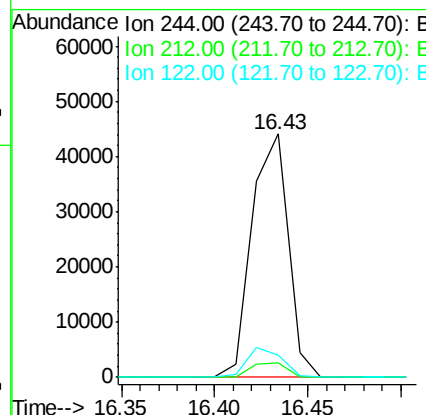
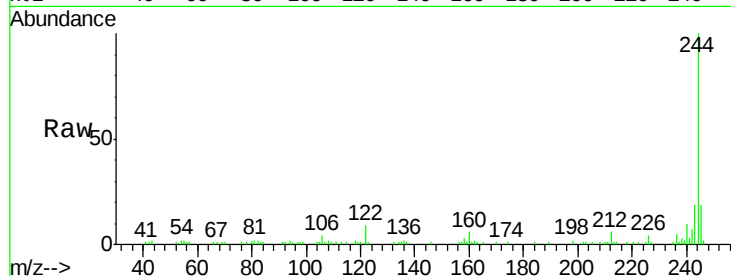
#78
 Terphenyl-d14
 Concen: 8.23 ng
 RT: 16.43 min Scan# 1334
 Delta R.T. -0.00 min
 Lab File: BF078699.D
 Acq: 21 Apr 2015 23:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-81S

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.0	7.4
122	8.9	7.1	10.7

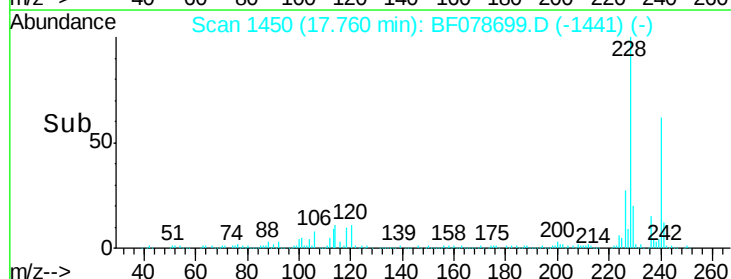
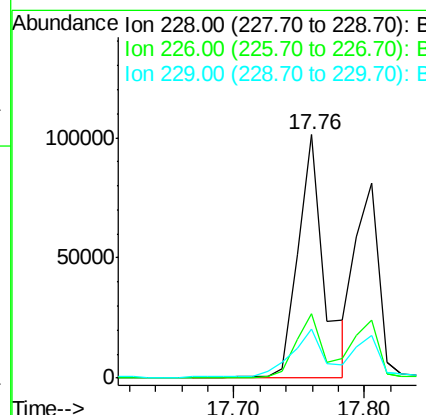
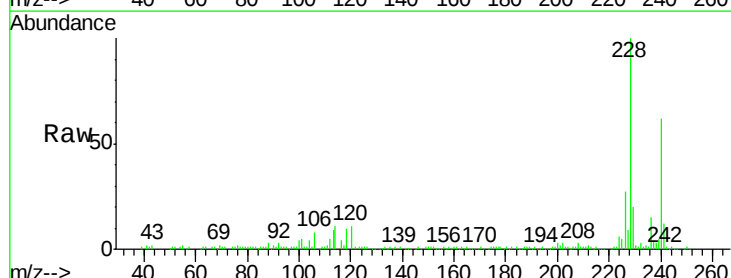
Manual Integrations
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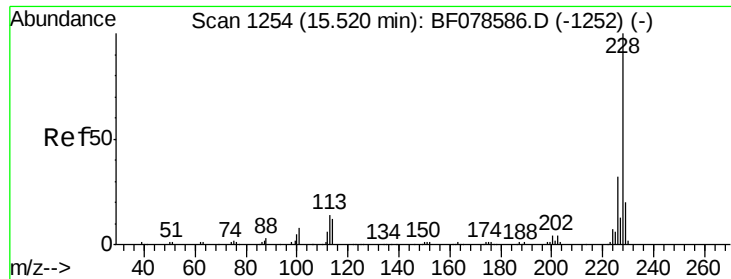
apatel
 4/22/2015 5:22:49 PM



#80
 Benzo(a)anthracene
 Concen: 14.64 ng
 RT: 17.76 min Scan# 1450
 Delta R.T. -0.00 min
 Lab File: BF078699.D
 Acq: 21 Apr 2015 23:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.3	31.9
229	20.2	15.4	23.2





#82

Chrysene

Concen: 10.96 ng

RT: 17.81 min Scan# 1454

Delta R.T. -0.00 min

Lab File: BF078699.D

Acq: 21 Apr 2015 23:11

Instrument :

BNA_F

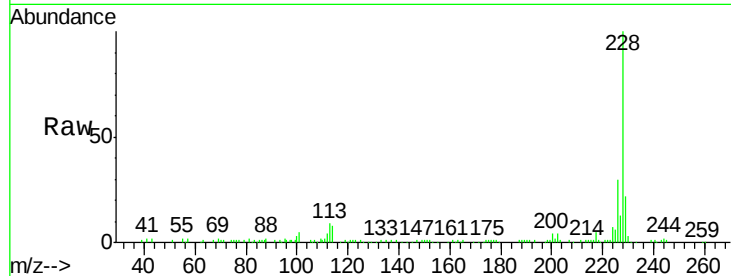
ClientSampled :

SB-81S

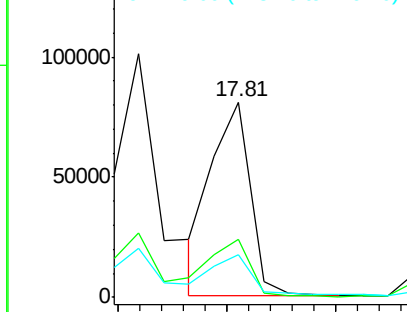
Tot Ion:	228	Resp:	99917
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.2	36.4
229	22.1	15.8	23.8

Manual Integrations
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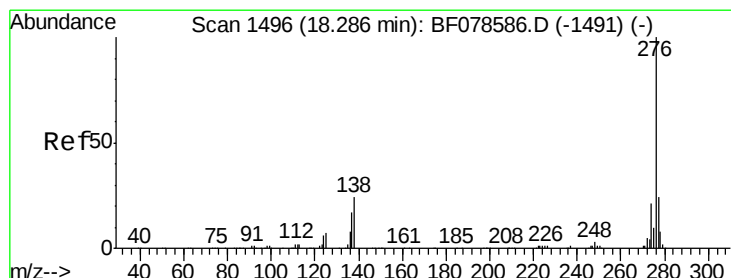
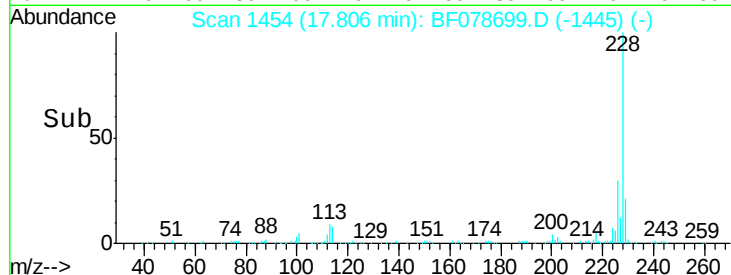
apatel
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time--> 17.75 17.80 17.85



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.65 ng

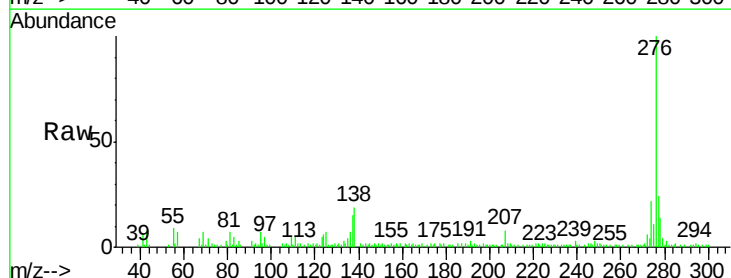
RT: 20.59 min Scan# 1698

Delta R.T. -0.07 min

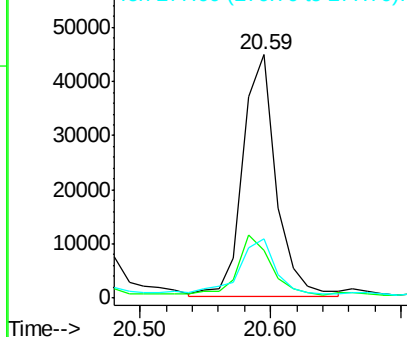
Lab File: BF078699.D

Acq: 21 Apr 2015 23:11

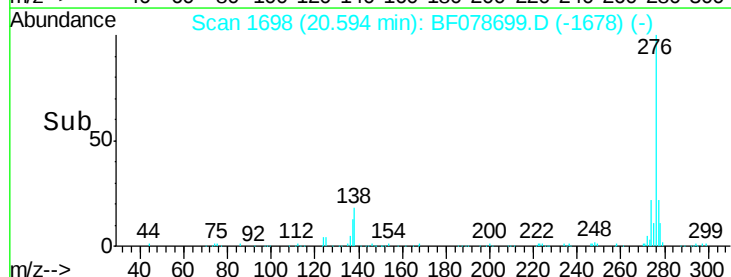
Tgt Ion:	276	Resp:	79098
Ion Ratio	Lower	Upper	
276	100		
138	25.0	16.9	25.3
277	27.7	15.8	23.6#

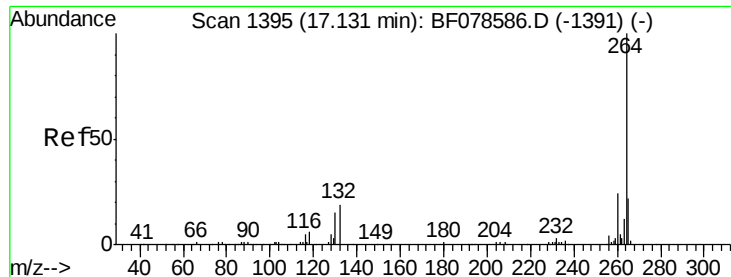


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



Time--> 20.50 20.60





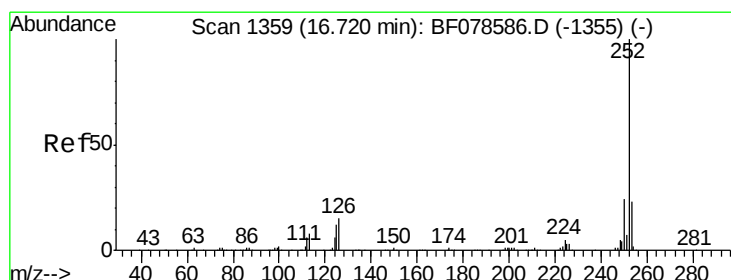
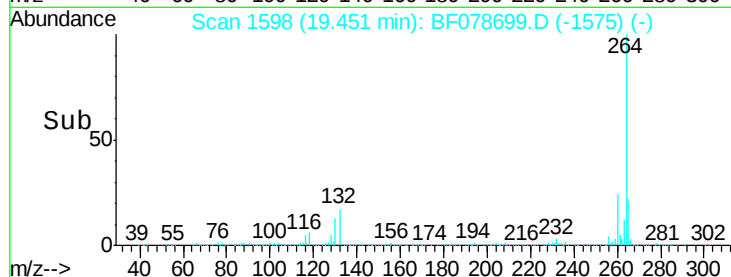
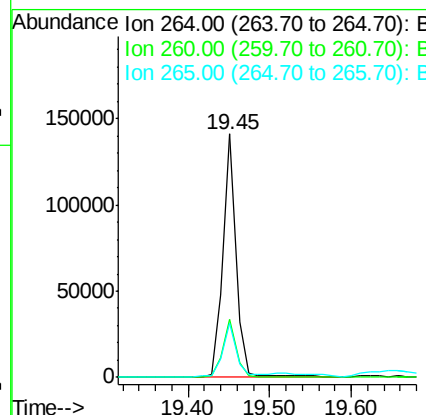
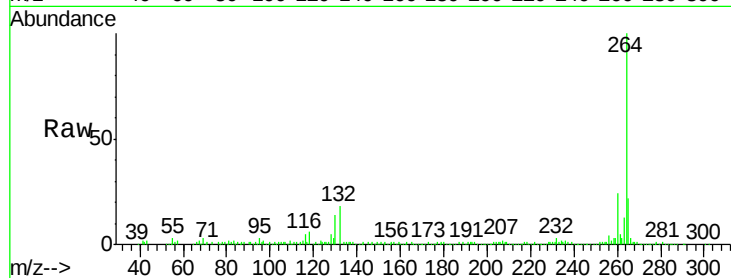
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.45 min Scan# 1598
Delta R.T. -0.03 min
Lab File: BF078699.D
Acq: 21 Apr 2015 23:11

Instrument :
BNA_F
ClientSampleId :
SB-81S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	27.8
265	22.1	17.0	25.6

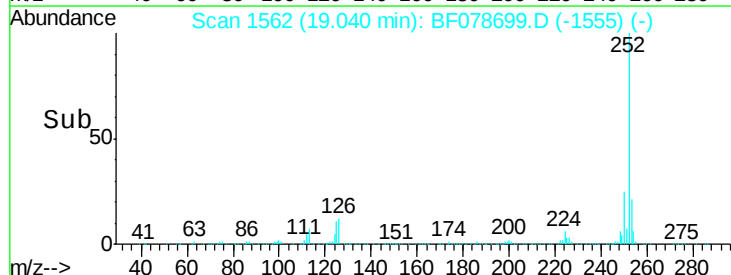
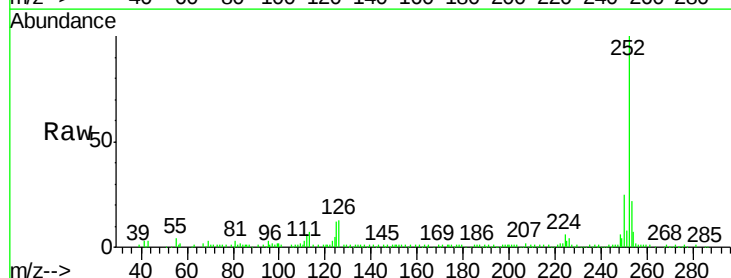
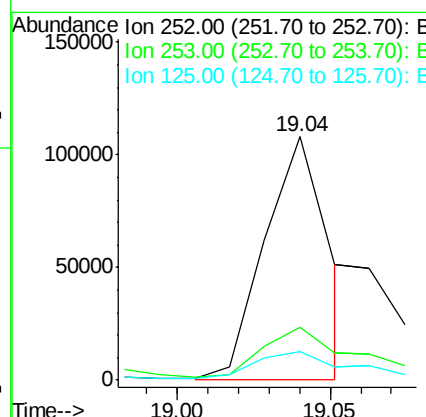
Manual Integrations
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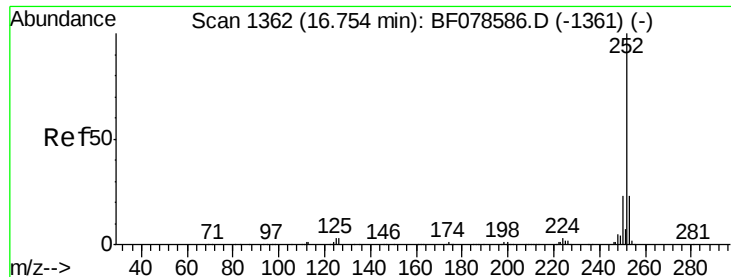
apatel
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#87
Benzo(b)fluoranthene
Concen: 15.81 ng m
RT: 19.04 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF078699.D
Acq: 21 Apr 2015 23:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	11.8	7.0	10.4





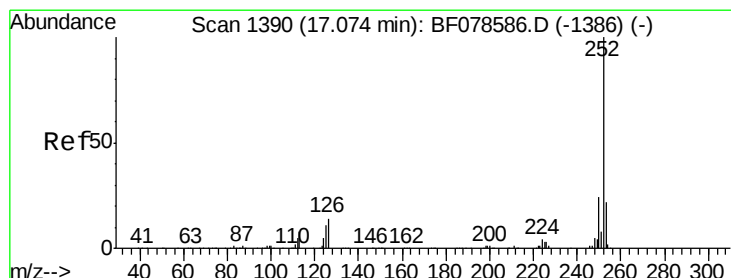
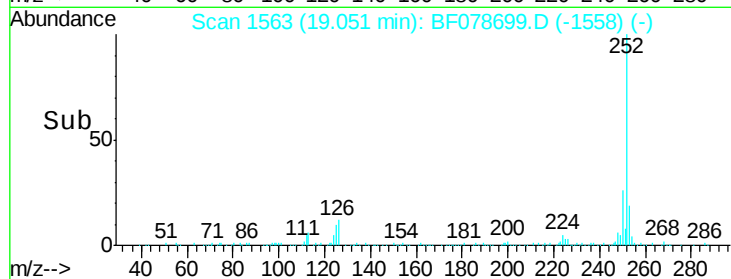
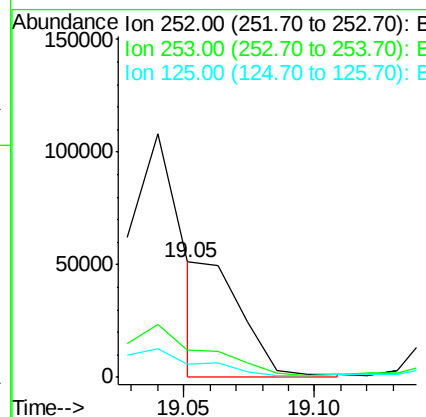
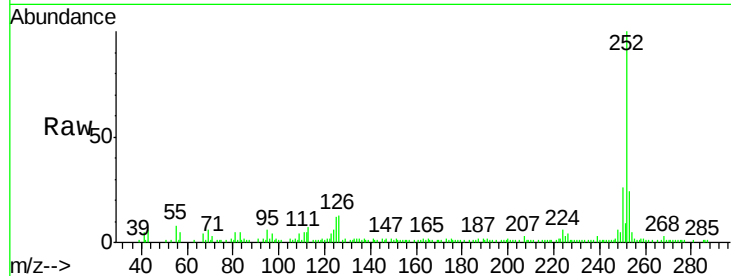
#88
Benzo(k)fluoranthene
Concen: 6.24 ng m
RT: 19.05 min Scan# 1563
Delta R.T. -0.05 min
Lab File: BF078699.D
Acq: 21 Apr 2015 23:11

Instrument :
BNA_F
ClientSampleId :
SB-81S

Tot Ion:	252	Resp:	54698
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.5	26.3
125	11.8	11.6	17.4

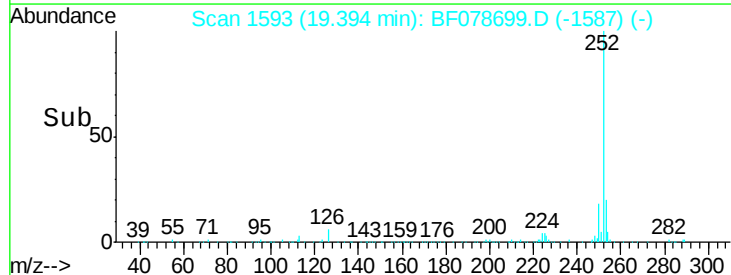
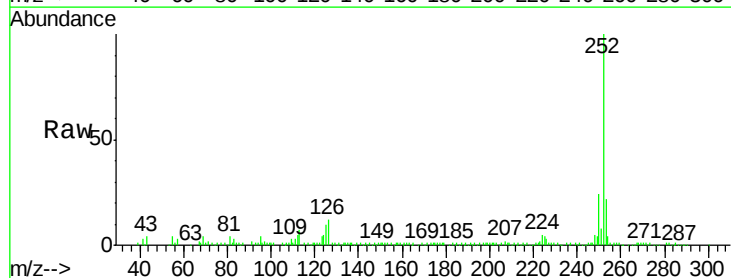
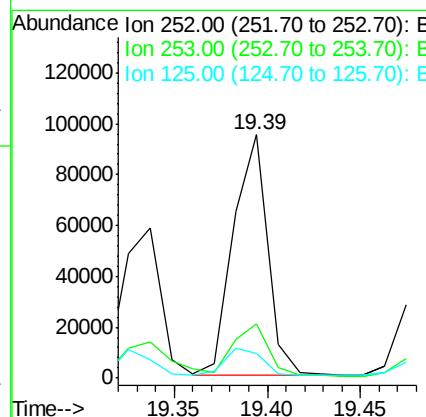
Manual Integrations
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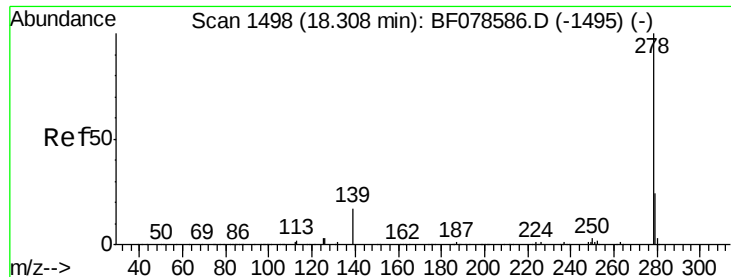
apatel
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#89
Benzo(a)pyrene
Concen: 14.13 ng
RT: 19.39 min Scan# 1593
Delta R.T. -0.03 min
Lab File: BF078699.D
Acq: 21 Apr 2015 23:11

Tgt Ion:	252	Resp:	121672
Ion Ratio	Lower	Upper	
252	100		
253	22.2	16.8	25.2
125	10.3	7.4	11.0





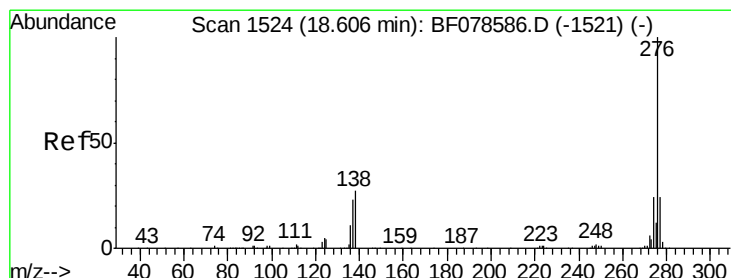
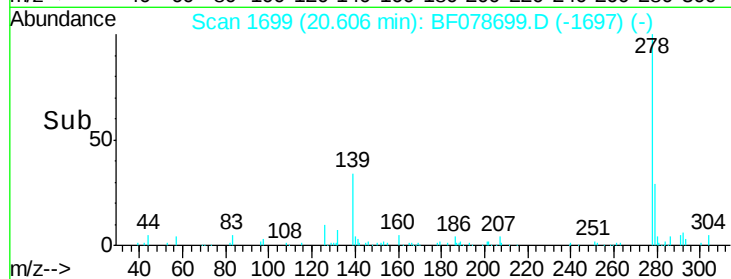
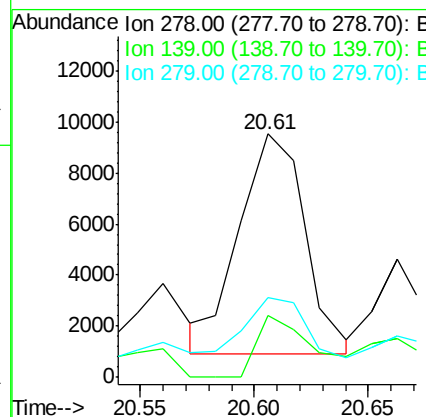
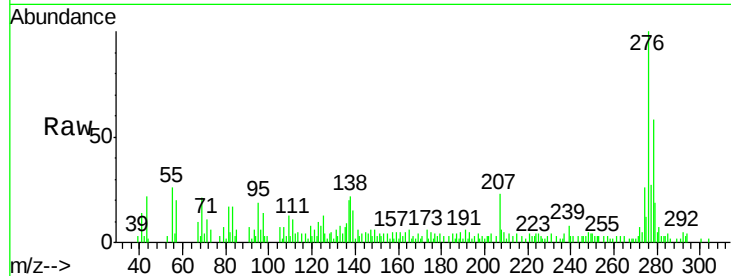
#90
Dibenzo(a,h)anthracene
Concen: 2.00 ng/mL
RT: 20.61 min Scan# 1699
Delta R.T. -0.08 min
Lab File: BF078699.D
Acq: 21 Apr 2015 23:11

Instrument :
BNA_F
ClientSampleId :
SB-81S

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.2	13.6	20.4
279	32.5	19.0	28.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 9.04 ng/mL
RT: 20.90 min Scan# 1725
Delta R.T. -0.08 min
Lab File: BF078699.D
Acq: 21 Apr 2015 23:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	24.2	19.9	29.9

