

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
 Data File : BF077524.D
 Acq On : 2 Mar 2015 16:05
 Operator : TP/IZ
 Sample : G1399-14 5X
 Misc : S
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB4(13-14)

Manual Integrations
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Quant Time: Mar 03 05:46:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 02 23:46:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.26	152	105257	20.00	ng	0.00
21) Naphthalene-d8	8.83	136	406005	20.00	ng	0.00
38) Acenaphthene-d10	11.01	164	206617	20.00	ng	0.00
63) Phenanthrene-d10	12.85	188	404382	20.00	ng	0.00
75) Chrysene-d12	16.15	240	441342	20.00	ng	0.00
86) Perylene-d12	17.88	264	471909	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	14561	2.31	ng	0.00
7) Phenol-d6	6.81	99	17192	2.12	ng	0.00
23) Nitrobenzene-d5	7.94	82	19133	2.93	ng	-0.01
41) 2,4,6-Tribromophenol	11.99	330	4310	2.17	ng	0.00
44) 2-Fluorobiphenyl	10.18	172	29476	2.22	ng	0.00
78) Terphenyl-d14	14.85	244	33028	1.75	ng	0.00
Target Compounds						
57) Fluorene	11.69	166	47545	3.32	ng	# 86
70) Phenanthrene	12.88	178	193092	8.24	ng	# 92
71) Anthracene	12.94	178	82503	3.55	ng	# 80
74) Fluoranthene	14.37	202	176181	6.88	ng	95
77) Pyrene	14.64	202	619660	22.95	ng	# 96
80) Benzo(a)anthracene	16.13	228	534033	20.65	ng	# 90
82) Chrysene	16.17	228	661624m	27.24	ng	
85) Indeno(1,2,3-cd)pyrene	19.33	276	132184m	4.77	ng	
87) Benzo(b)fluoranthene	17.44	252	286597m	10.44	ng	
88) Benzo(k)fluoranthene	17.46	252	66147m	2.46	ng	
89) Benzo(a)pyrene	17.81	252	389492m	14.90	ng	
90) Dibenzo(a,h)anthracene	19.35	278	116834	4.69	ng	# 82
91) Benzo(g,h,i)perylene	19.76	276	211665	8.41	ng	98

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

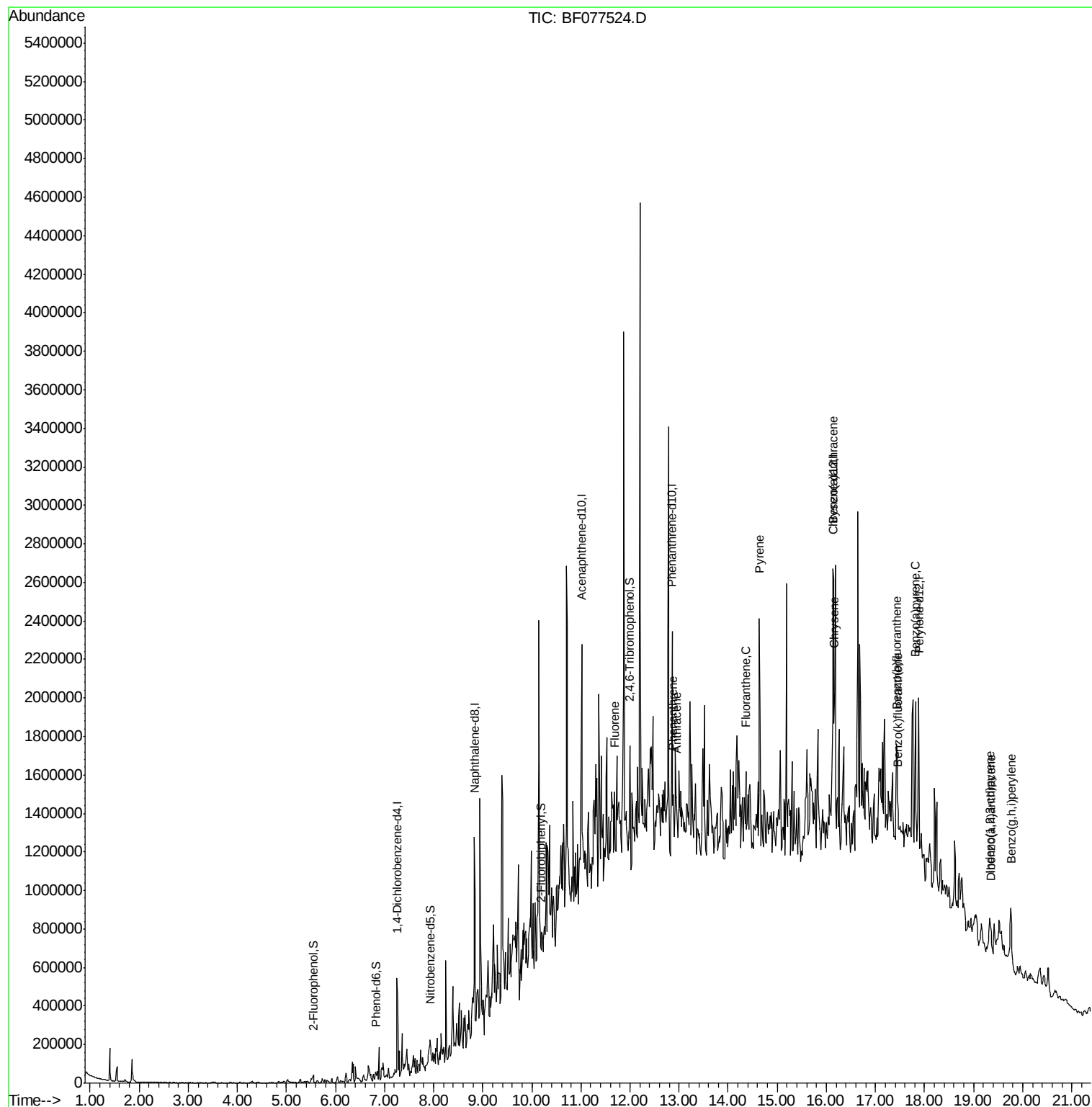
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030215\
Data File : BF077524.D
Acq On : 2 Mar 2015 16:05
Operator : TP/IZ
Sample : G1399-14 5X
Misc : S
ALS Vial : 5 Sample Multiplier: 1

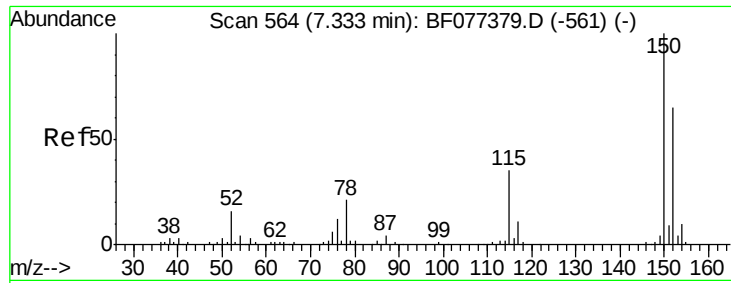
Instrument :
BNA_F
ClientSampled :
SB4(13-14)

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Quant Time: Mar 03 05:46:54 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

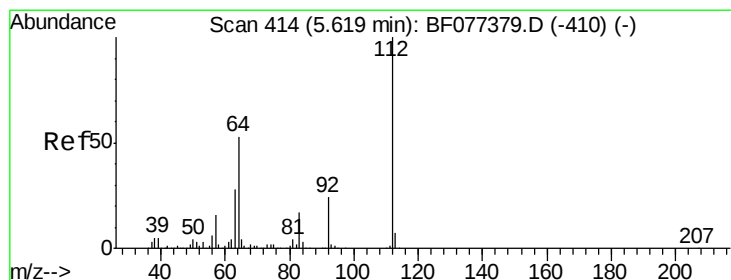
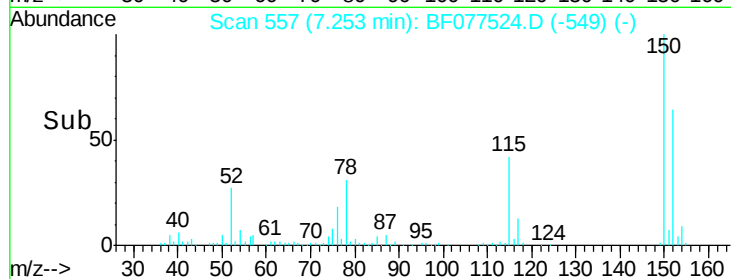
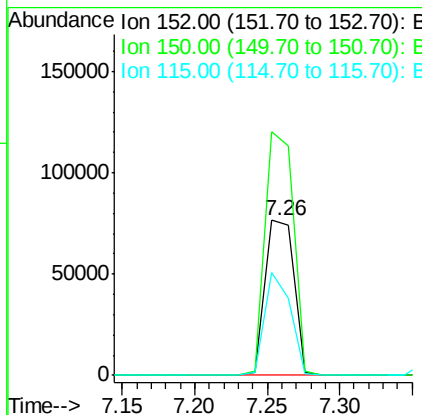
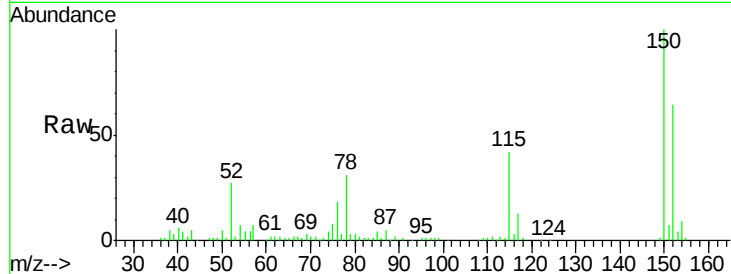
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.26 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF077524.D
Acq: 2 Mar 2015 16:05

Instrument :
BNA_F
ClientSampleId :
SB4(13-14)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.0	186.0
115	66.7	49.4	74.2

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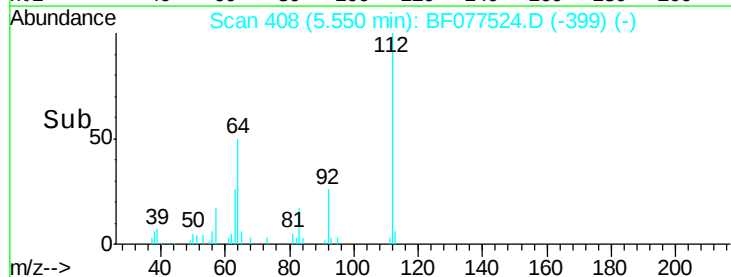
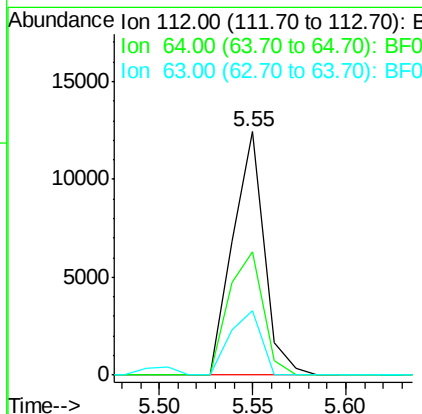
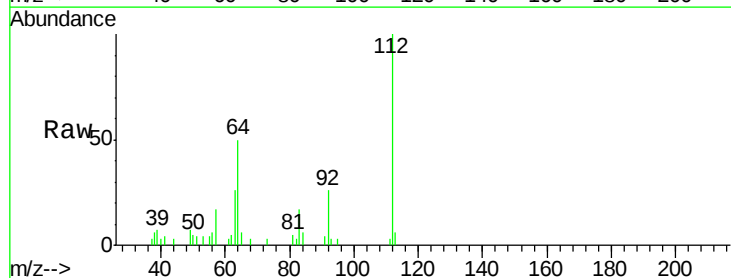
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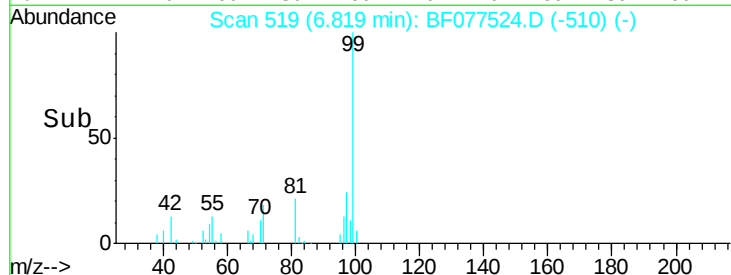
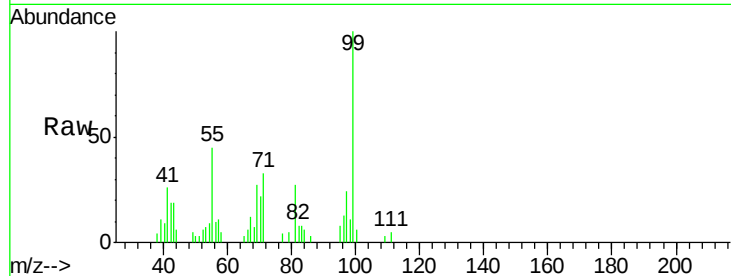
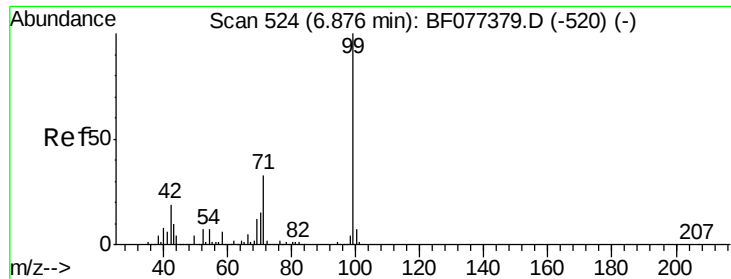


#5

2-Fluorophenol
Concen: 2.31 ng
RT: 5.55 min Scan# 408
Delta R.T. 0.00 min
Lab File: BF077524.D
Acq: 2 Mar 2015 16:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.4	48.5	72.7
63	26.2	25.0	37.4





#7

Phenol-d6

Concen: 2.12 ng

RT: 6.81 min Scan# 519

Delta R.T. -0.00 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Tgt Ion:	99	Resp:	17192
Ion Ratio	Lower	Upper	
99	100		
42	18.7	16.2	24.4
71	32.7	26.7	40.1

Instrument :

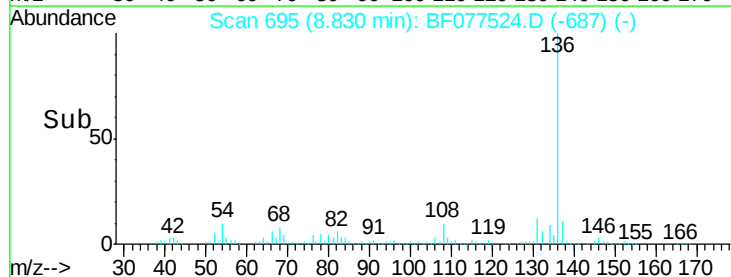
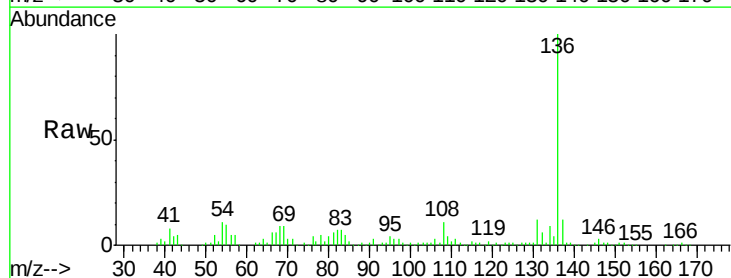
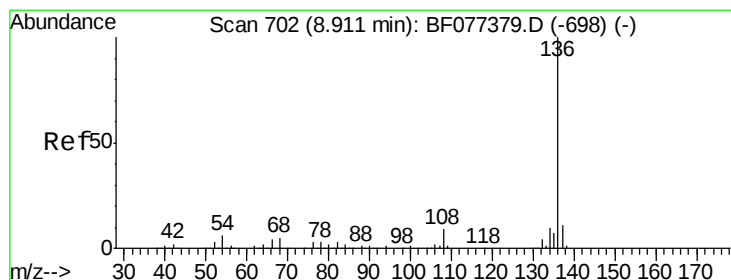
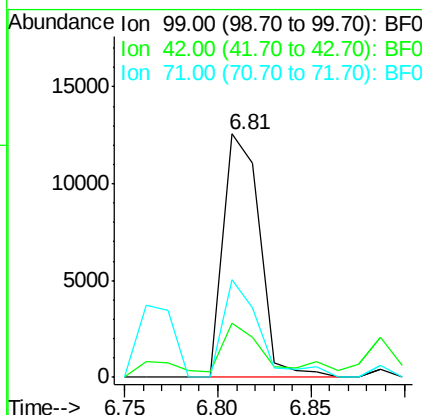
BNA_F

ClientSampled :

SB4(13-14)

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#21

Naphthalene-d8

Concen: 20.00 ng

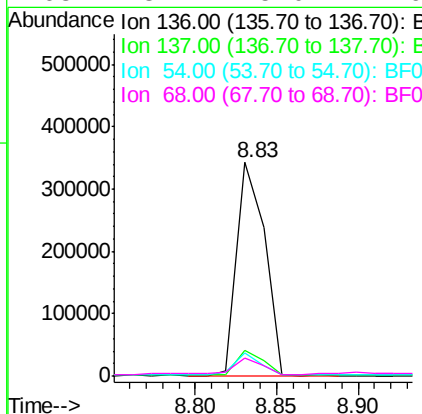
RT: 8.83 min Scan# 695

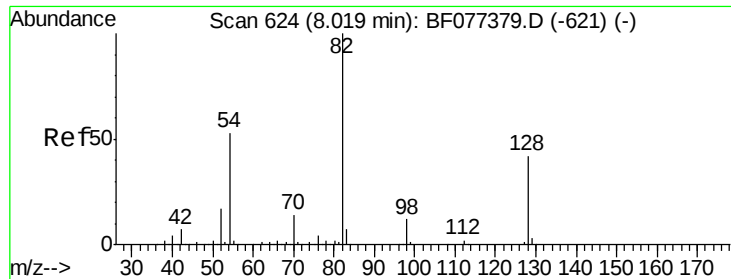
Delta R.T. -0.00 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Tgt Ion:	136	Resp:	406005
Ion Ratio	Lower	Upper	
136	100		
137	11.9	8.6	13.0
54	10.6	6.2	9.4#
68	8.7	5.0	7.6#





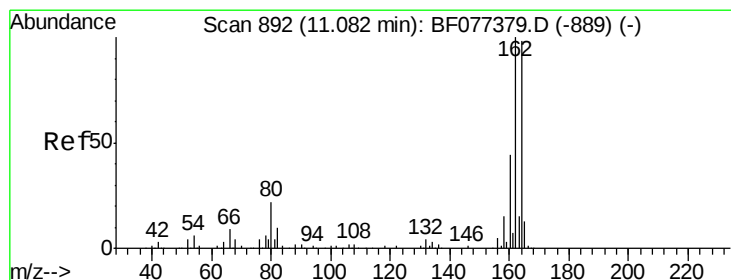
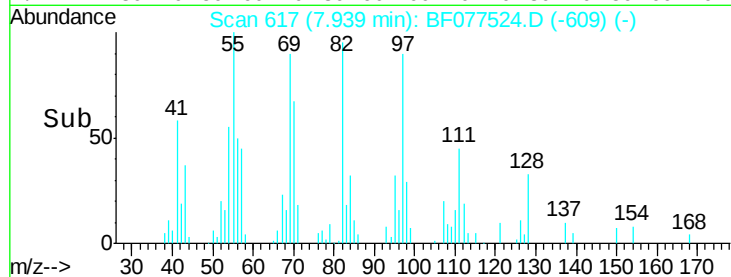
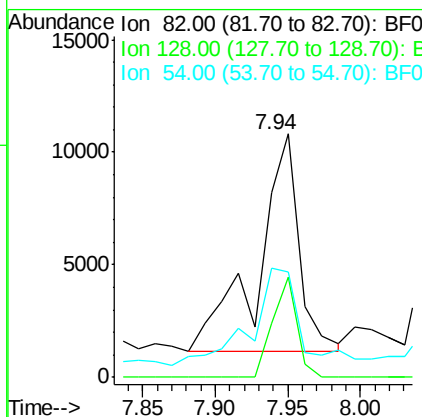
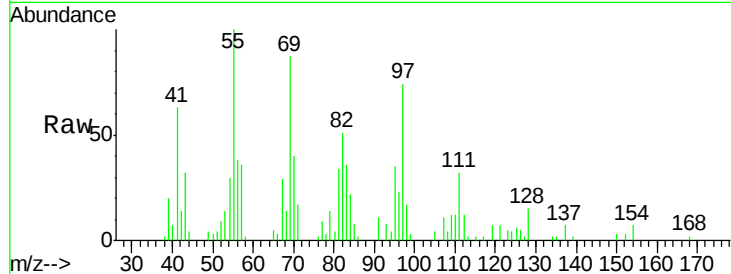
#23
 Nitrobenzene-d5
 Concen: 2.93 ng
 RT: 7.94 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

Instrument :
 BNA_F
 ClientSampleId :
 SB4(13-14)

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	19133		
128	29.3	43.8	65.8#	
54	59.0	36.7	55.1#	

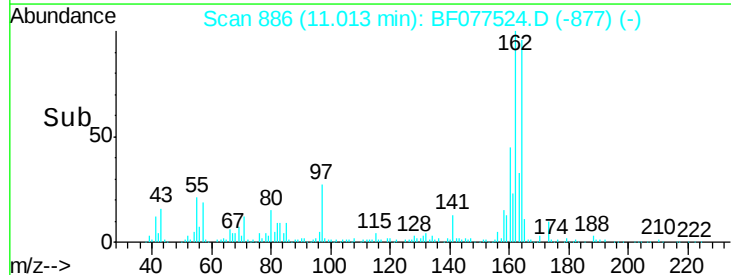
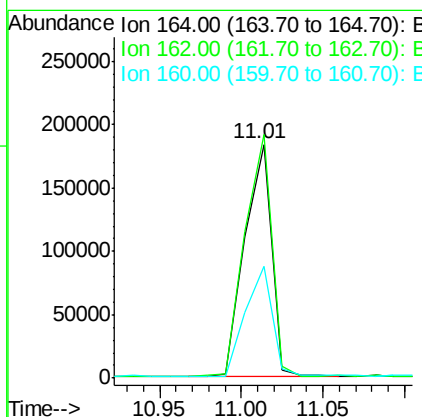
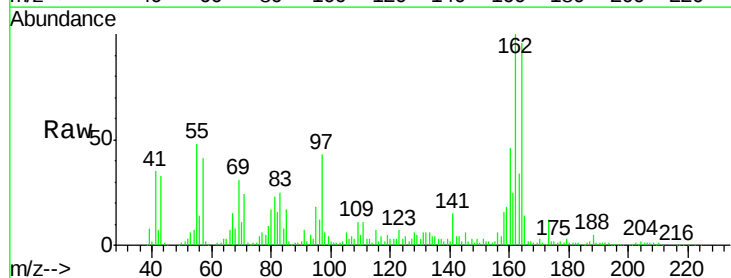
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.01 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	206617		
162	104.1	83.2	124.8	
160	47.6	34.6	52.0	





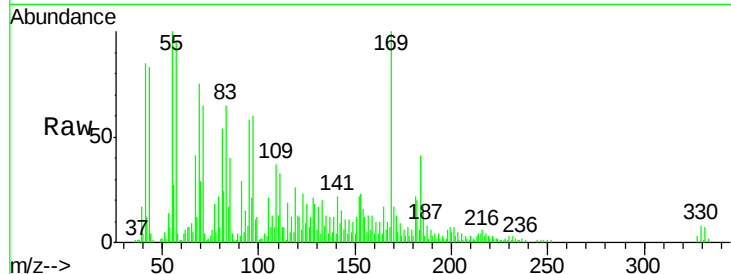
#41
 2,4,6-Tribromophenol
 Concen: 2.17 ng
 RT: 11.99 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

Instrument :
 BNA_F
 ClientSampleId :
 SB4(13-14)

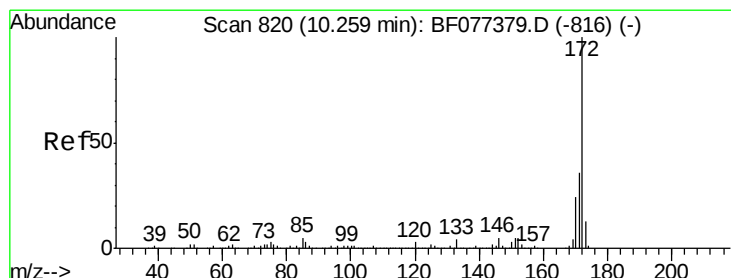
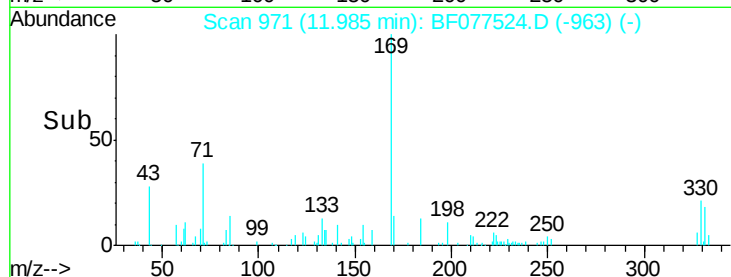
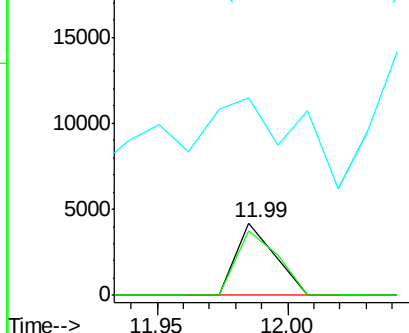
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	362.2	28.8	43.2#

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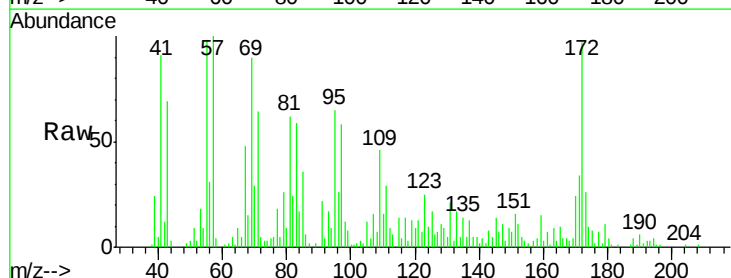


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

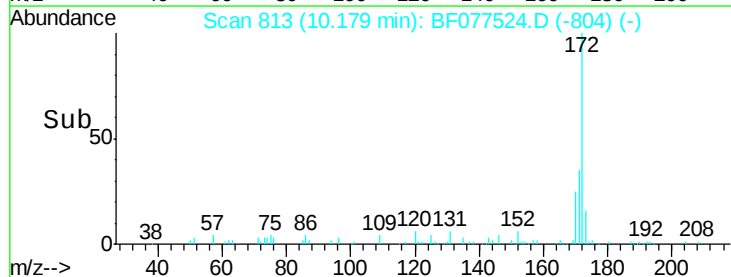
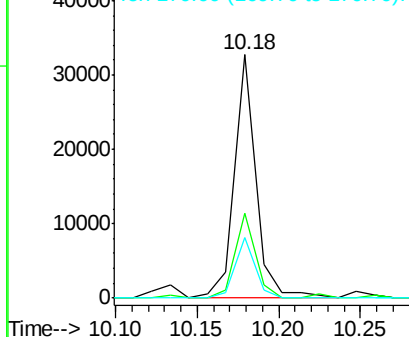


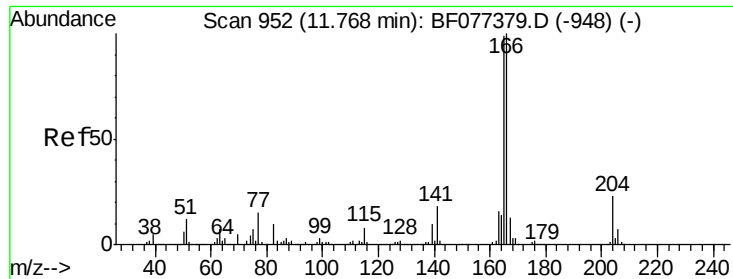
#44
 2-Fluorobiphenyl
 Concen: 2.22 ng
 RT: 10.18 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.9	43.3
170	25.0	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





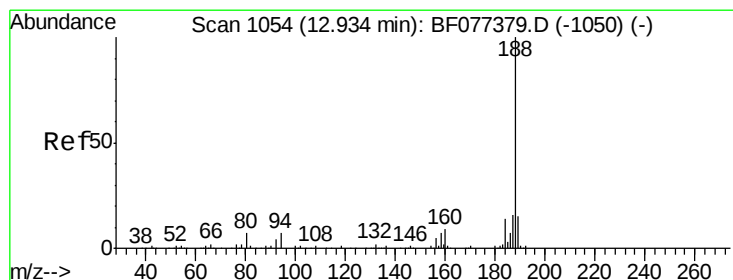
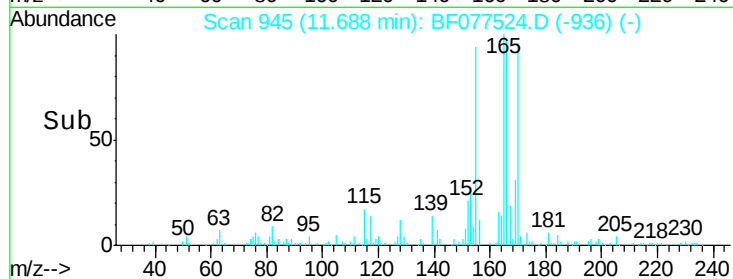
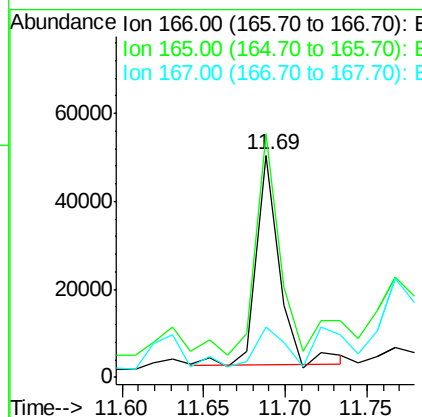
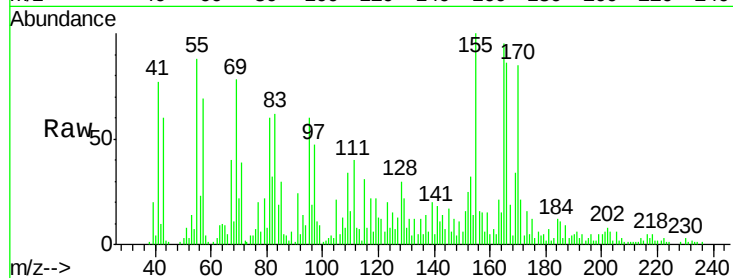
#57
Fluorene
 Concen: 3.32 ng
 RT: 11.69 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

Instrument :
 BNA_F
 ClientSampleId :
 SB4(13-14)

Tgt Ion	Ratio	Lower	Upper
166	100		
165	109.7	77.6	116.4
167	22.5	10.6	16.0

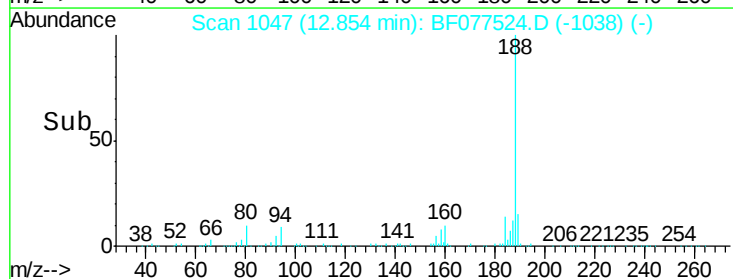
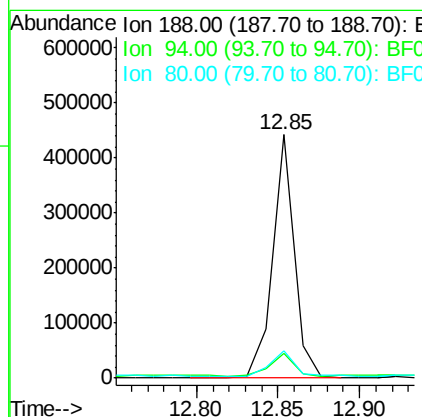
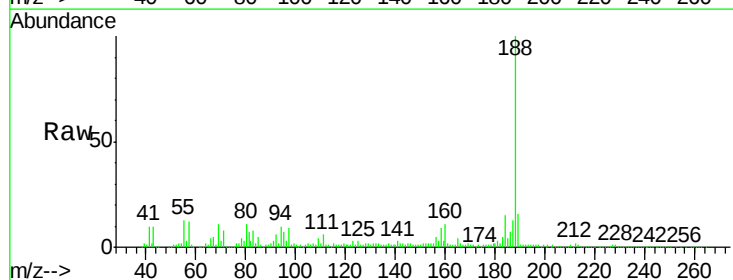
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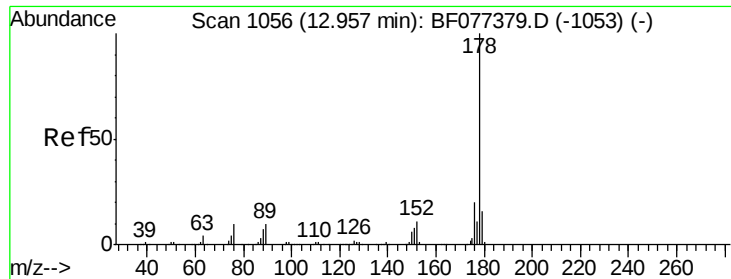
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.85 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	7.4	11.2
80	11.2	8.0	12.0





#70

Phenanthrene

Concen: 8.24 ng

RT: 12.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Instrument :

BNA_F

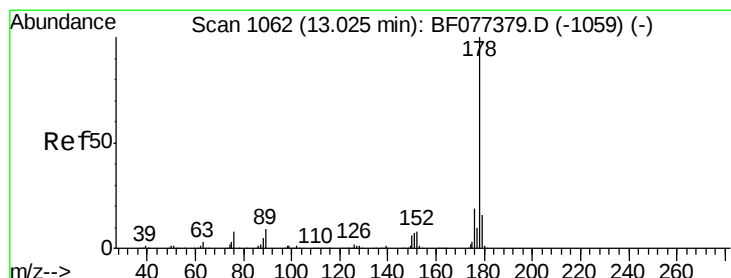
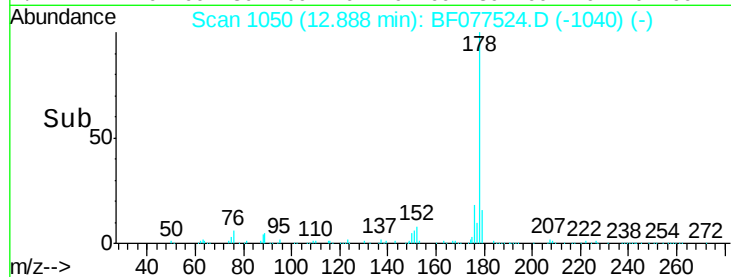
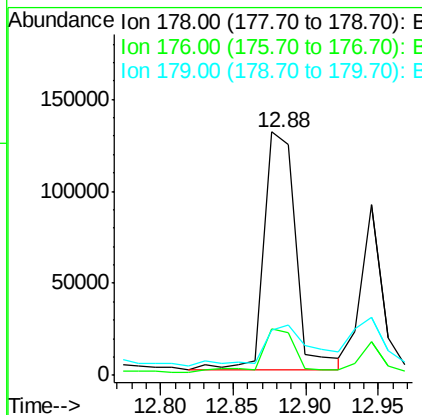
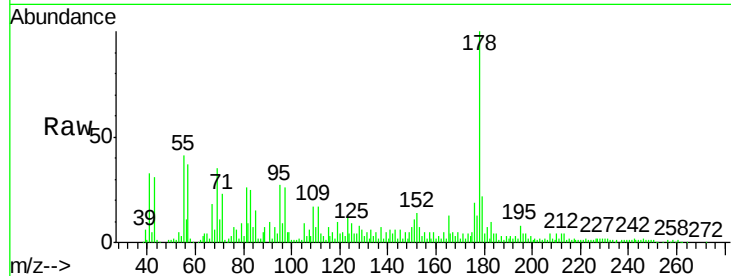
ClientSampleId :

SB4(13-14)

Tgt Ion:	178	Resp:	193092
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.5	23.3
179	21.6	12.2	18.2#

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#71

Anthracene

Concen: 3.55 ng

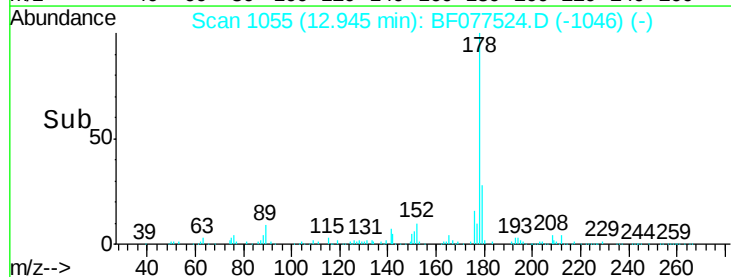
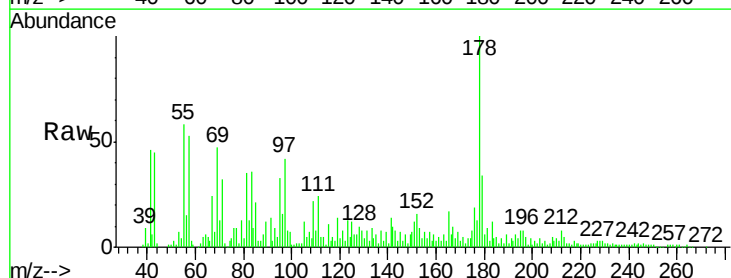
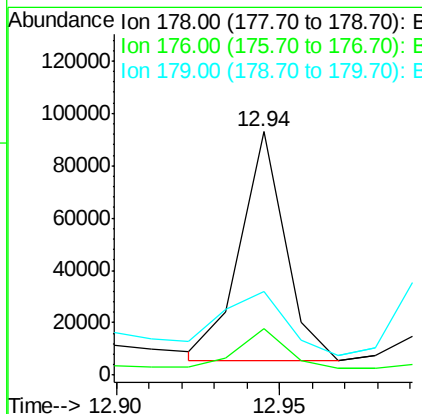
RT: 12.94 min Scan# 1055

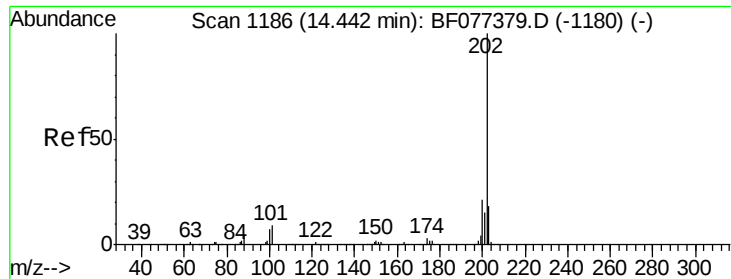
Delta R.T. 0.00 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Tgt Ion:	178	Resp:	82503
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.4	23.0
179	34.2	12.9	19.3#





#74

Fluoranthene

Concen: 6.88 ng

RT: 14.37 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Instrument :

BNA_F

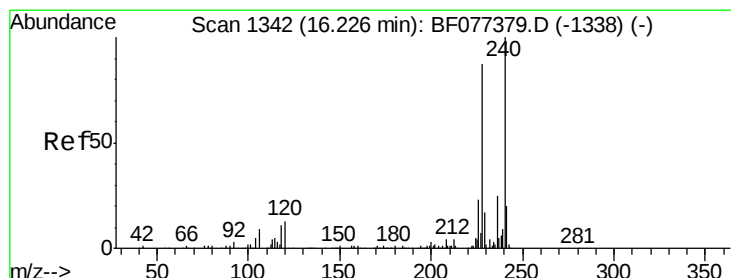
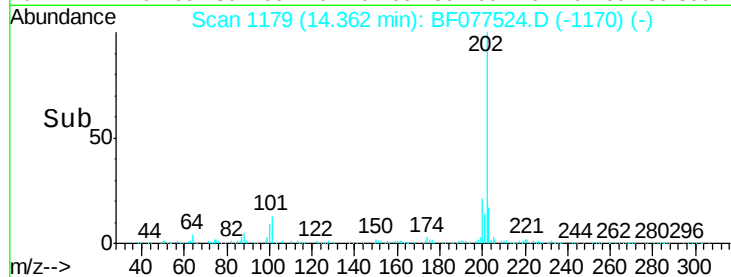
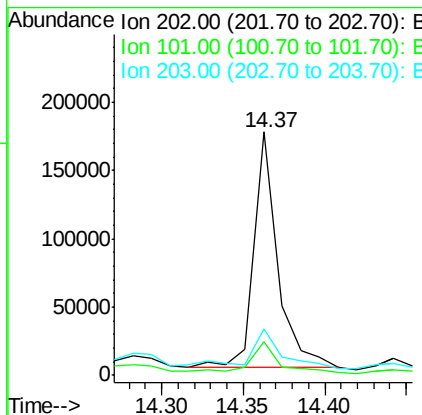
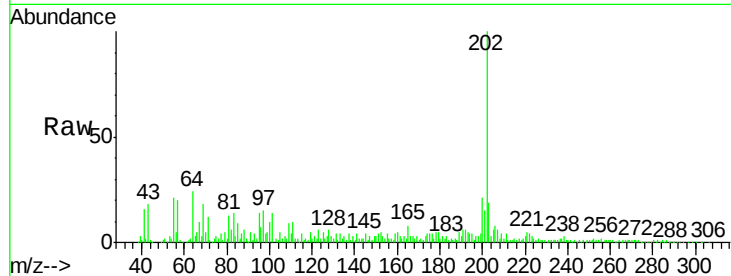
ClientSampleId :

SB4(13-14)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		176181		
101	13.9	0.0	30.8		
203	18.9	0.0	37.7		

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#75

Chrysene-d12

Concen: 20.00 ng

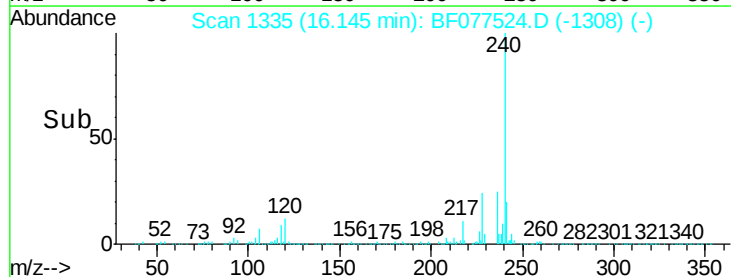
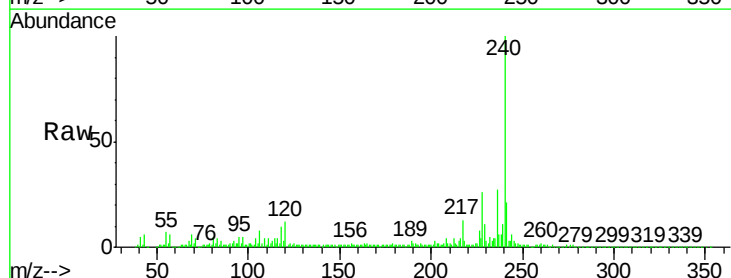
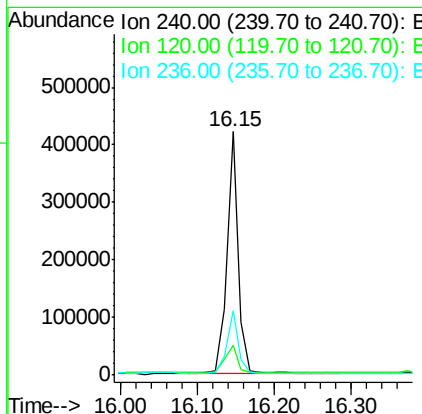
RT: 16.15 min Scan# 1335

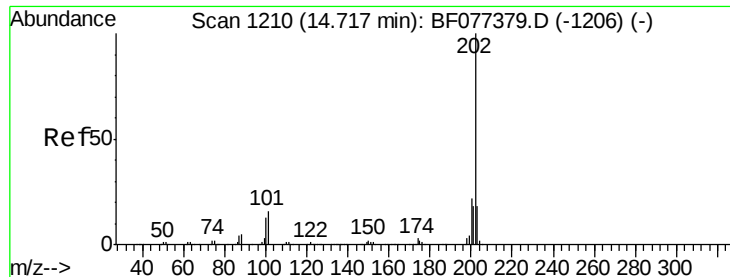
Delta R.T. 0.01 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		441342		
120	12.5	8.8	13.2		
236	26.7	20.7	31.1		





#77

Pyrene

Concen: 22.95 ng

RT: 14.64 min Scan# 1203

Delta R.T. 0.01 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Instrument :

BNA_F

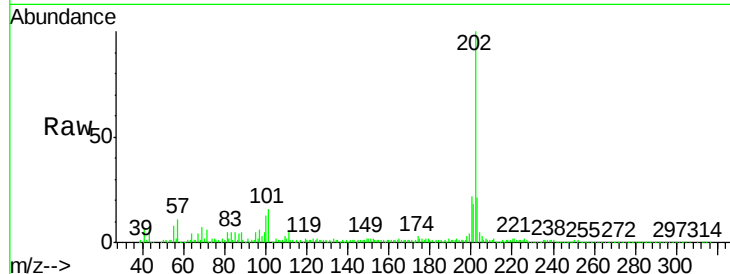
ClientSampleId :

SB4(13-14)

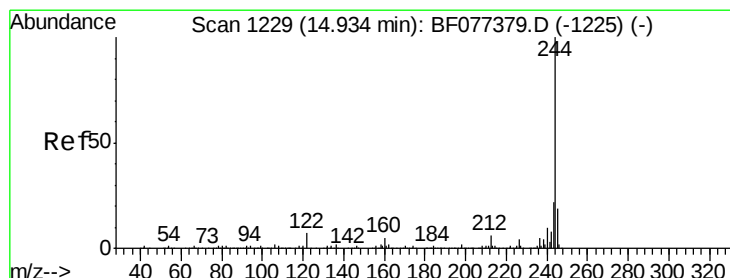
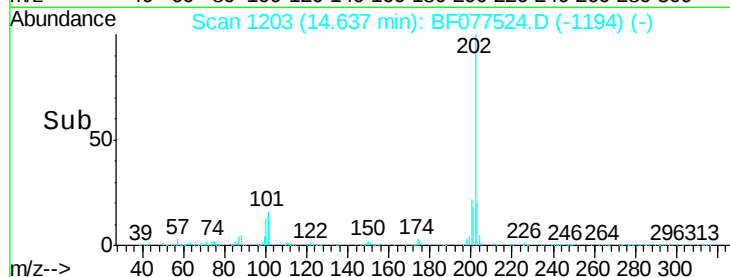
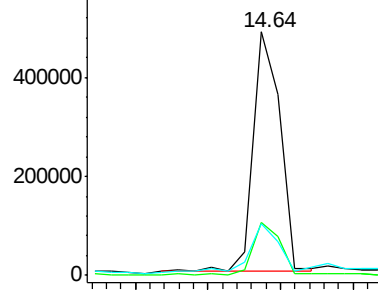
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	619660		
200	21.8	17.1	25.7	
203	21.4	14.2	21.2	

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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: 1.75 ng

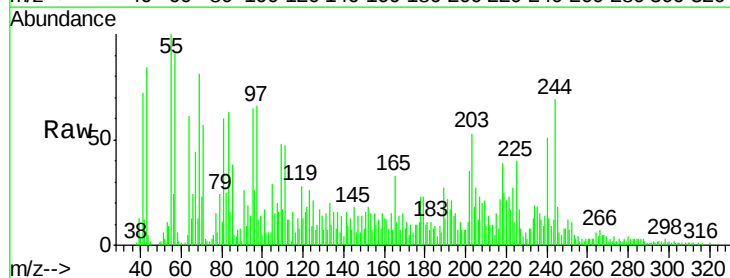
RT: 14.85 min Scan# 1221

Delta R.T. 0.00 min

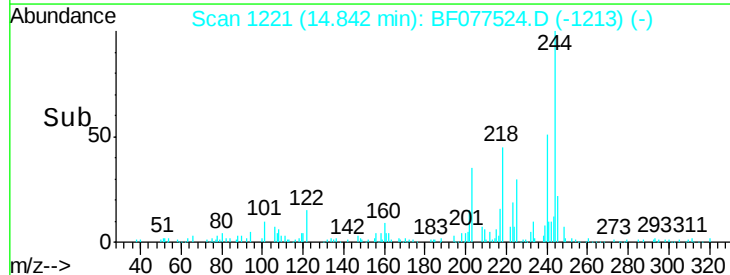
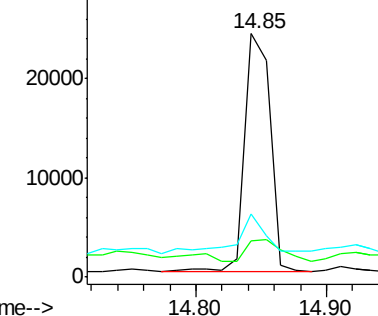
Lab File: BF077524.D

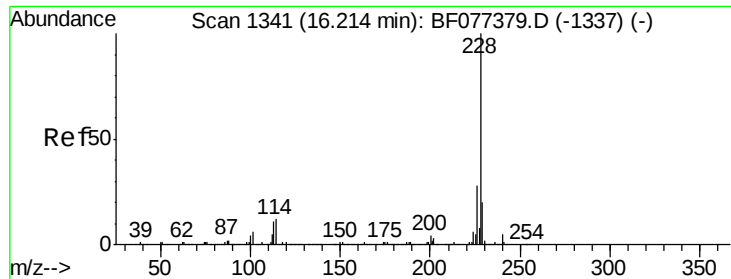
Acq: 2 Mar 2015 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	33028		
212	15.1	5.2	7.8	
122	26.1	7.8	11.8	



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





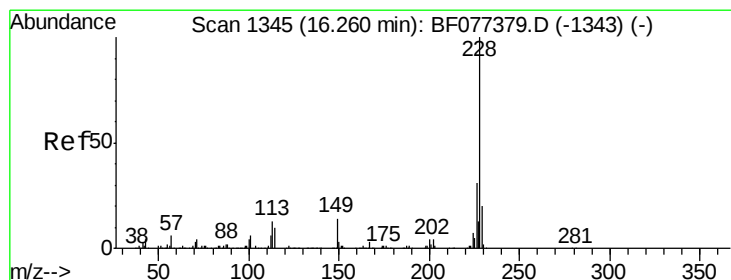
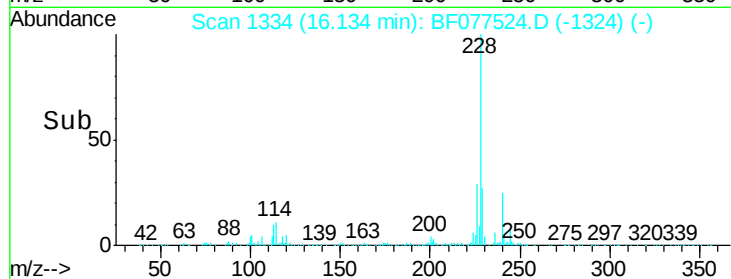
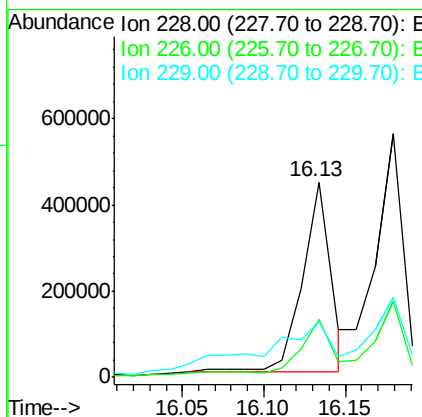
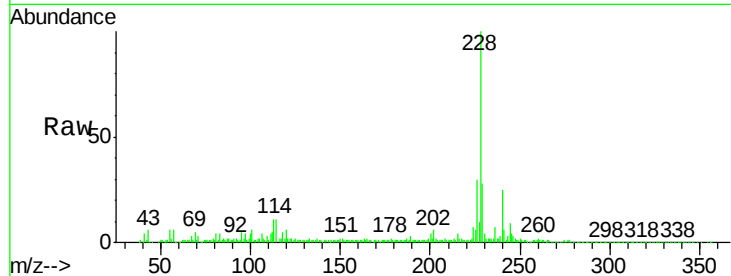
#80
Benzo(a)anthracene
Concen: 20.65 ng
RT: 16.13 min Scan# 1334
Delta R.T. 0.01 min
Lab File: BF077524.D
Acq: 2 Mar 2015 16:05

Instrument :
BNA_F
ClientSampleId :
SB4(13-14)

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.6	22.0	33.0
229	28.1	15.8	23.8

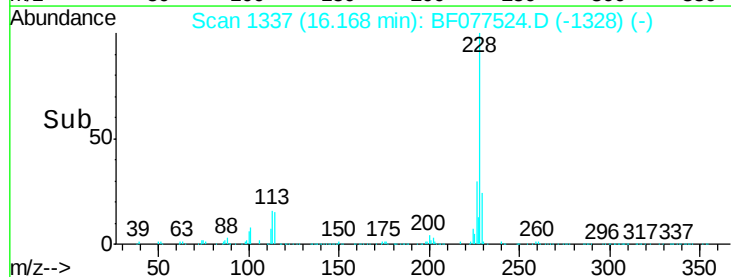
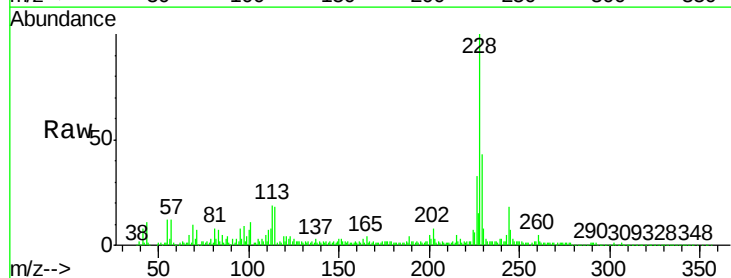
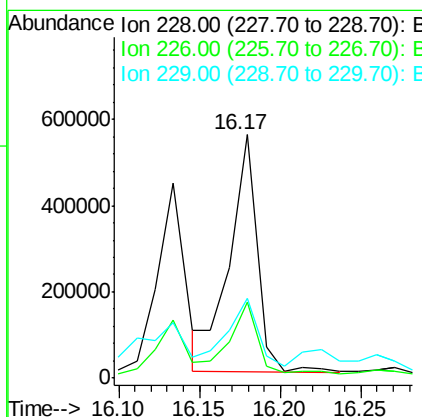
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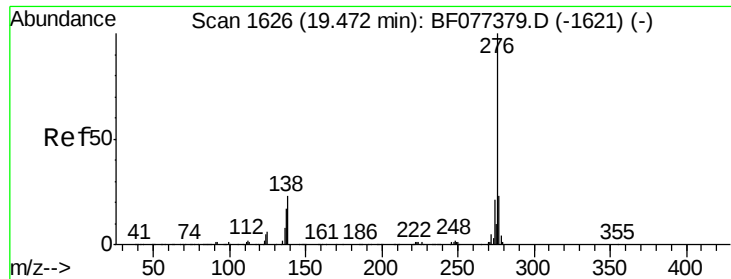
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#82
Chrysene
Concen: 27.24 ng m
RT: 16.17 min Scan# 1337
Delta R.T. 0.00 min
Lab File: BF077524.D
Acq: 2 Mar 2015 16:05

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	32.7	24.9	37.3
229	42.7	16.4	24.6





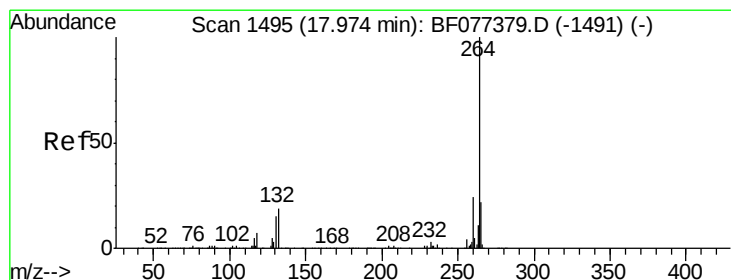
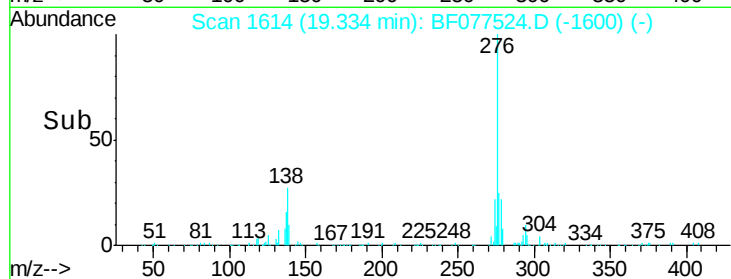
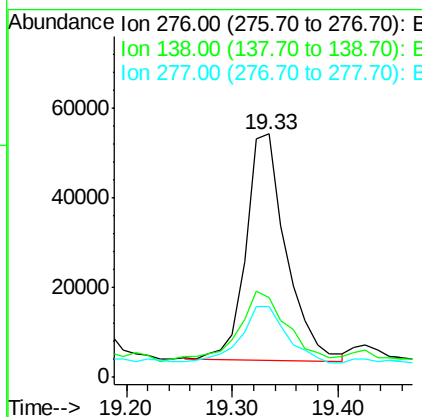
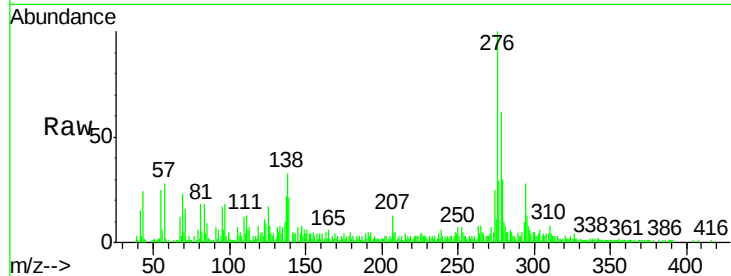
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.77 ng m
 RT: 19.33 min Scan# 1614
 Delta R.T. 0.06 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

Instrument :
 BNA_F
 ClientSampleId :
 SB4(13-14)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.7	21.2	31.8
277	23.5	20.0	30.0

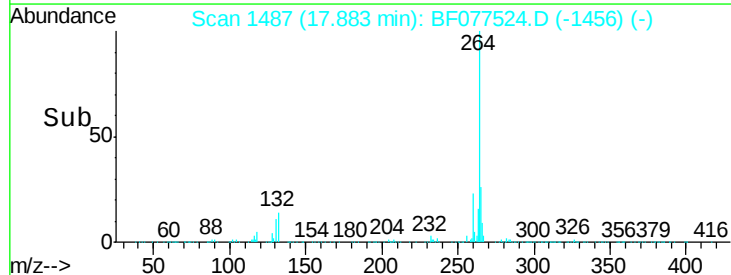
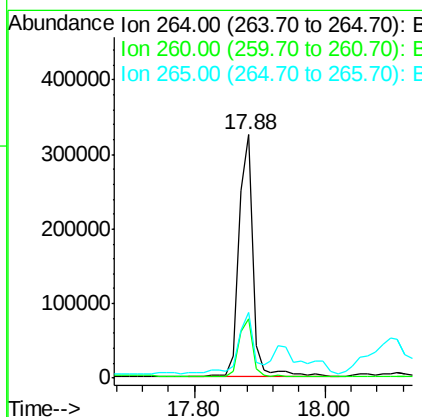
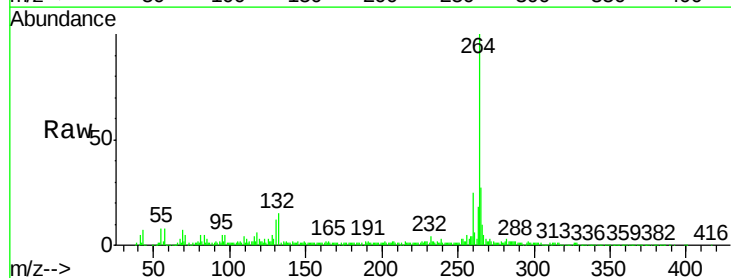
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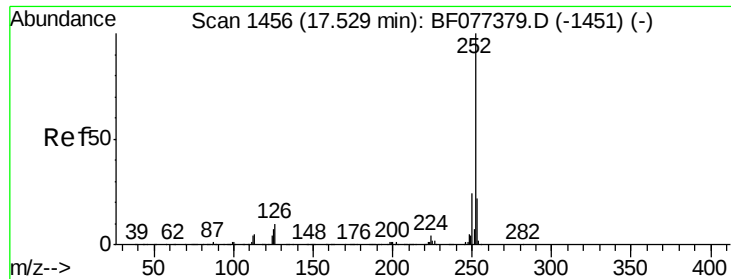
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.88 min Scan# 1487
 Delta R.T. 0.05 min
 Lab File: BF077524.D
 Acq: 2 Mar 2015 16:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	27.1	16.8	25.2





#87

Benzo(b)fluoranthene

Concen: 10.44 ng m

RT: 17.44 min Scan# 1448

Delta R.T. 0.05 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Instrument :

BNA_F

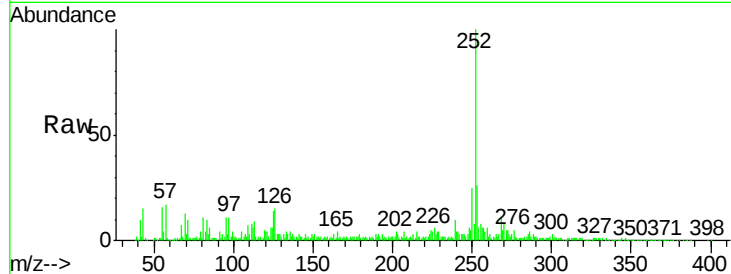
ClientSampleId :

SB4(13-14)

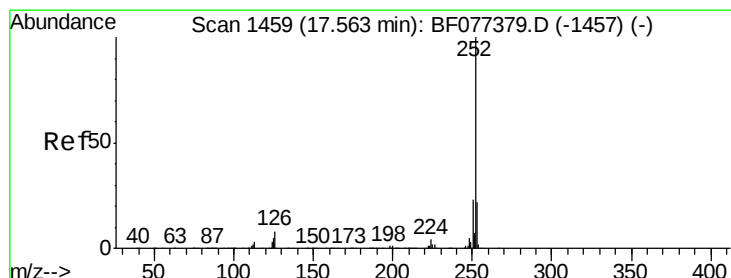
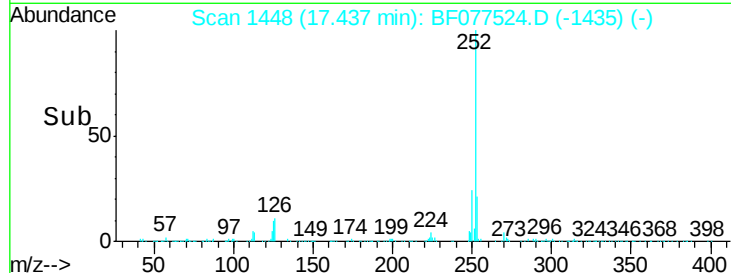
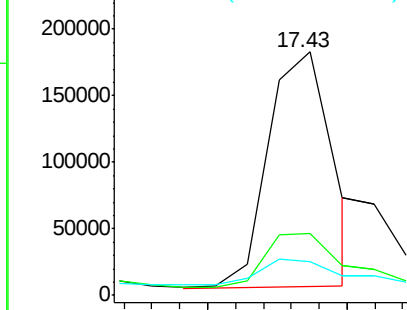
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	286597		
253	25.5	17.6	26.4	
125	13.8	5.4	8.2#	

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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



#88

Benzo(k)fluoranthene

Concen: 2.46 ng m

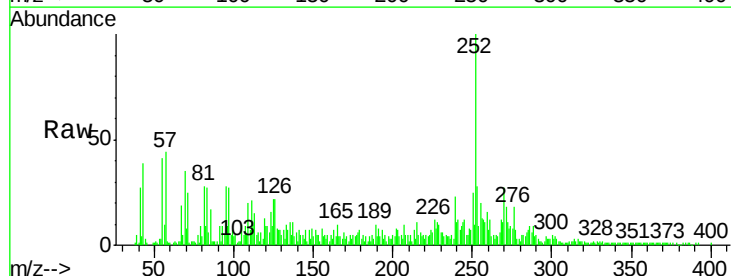
RT: 17.46 min Scan# 1450

Delta R.T. 0.03 min

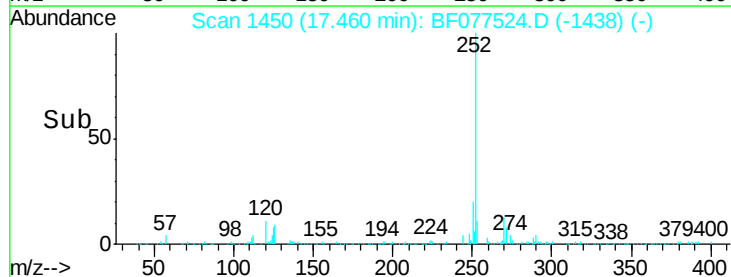
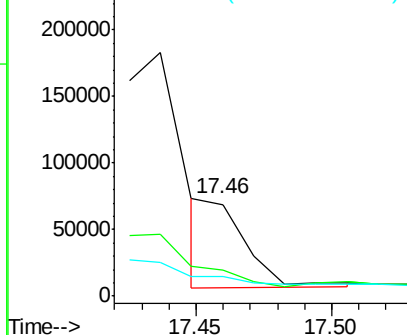
Lab File: BF077524.D

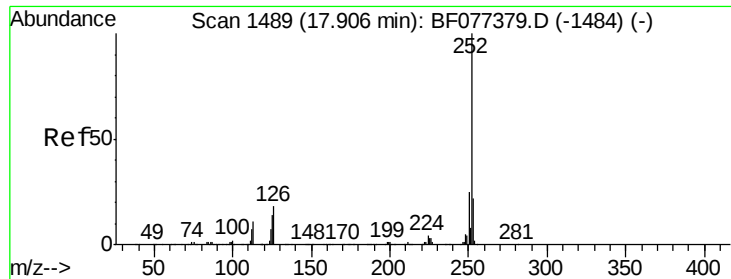
Acq: 2 Mar 2015 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	66147		
253	28.3	18.1	27.1#	
125	21.8	10.1	15.1#	



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





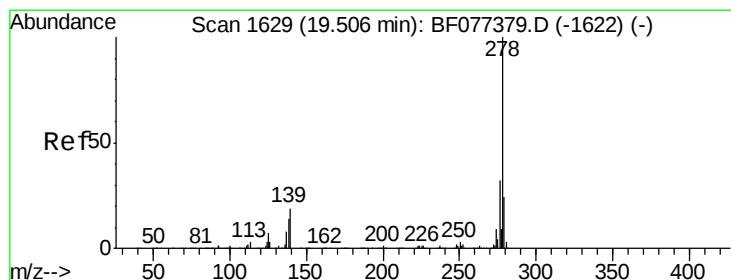
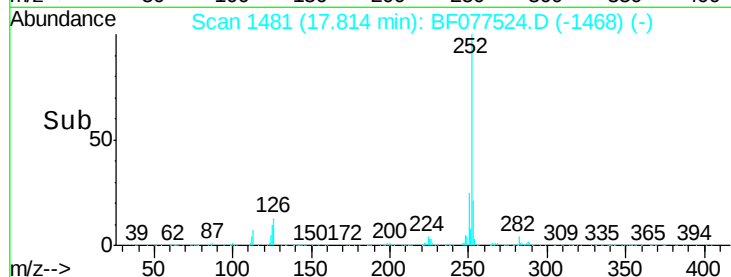
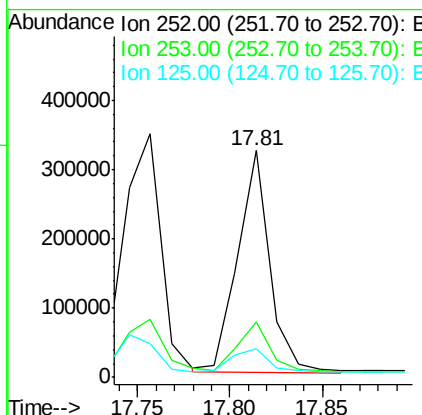
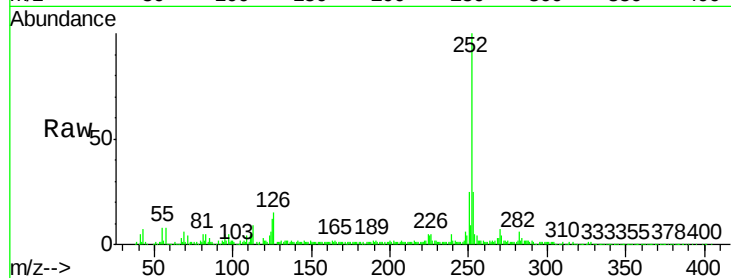
#89
Benzo(a)pyrene
Concen: 14.90 ng m
RT: 17.81 min Scan# 1481
Delta R.T. 0.05 min
Lab File: BF077524.D
Acq: 2 Mar 2015 16:05

Instrument :
BNA_F
ClientSampleId :
SB4(13-14)

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	389492		
253	24.7	18.2	27.2	
125	12.4	8.3	12.5	

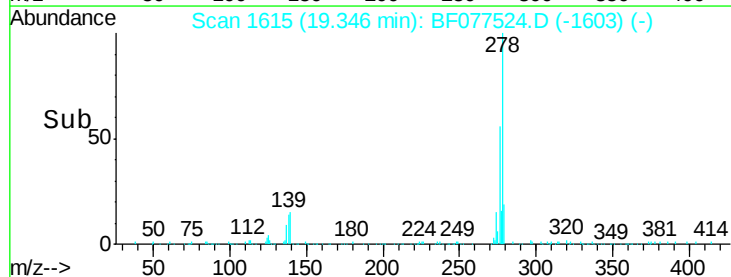
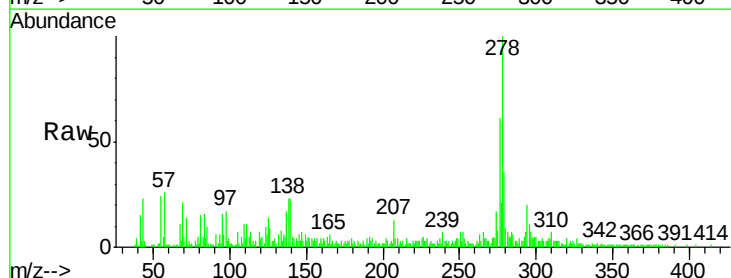
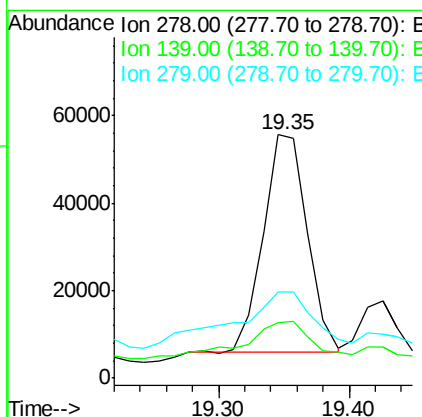
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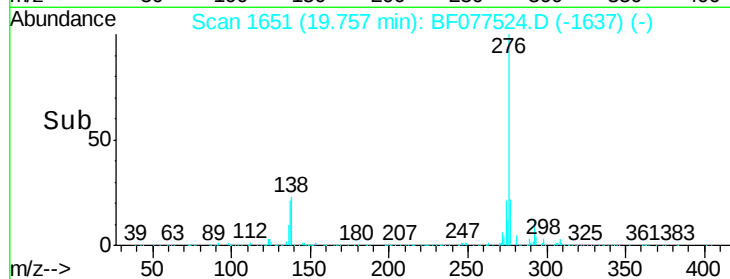
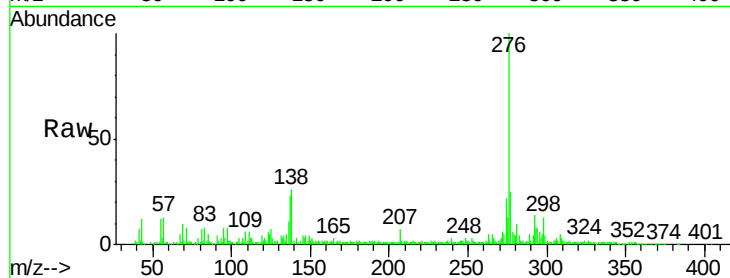
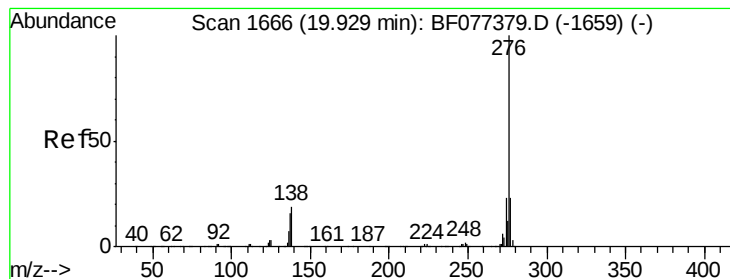
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#90
Dibenzo(a,h)anthracene
Concen: 4.69 ng
RT: 19.35 min Scan# 1615
Delta R.T. 0.05 min
Lab File: BF077524.D
Acq: 2 Mar 2015 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	116834		
139	22.9	14.3	21.5#	
279	35.5	19.0	28.6#	





#91

Benzo(g,h,i)perylene

Concen: 8.41 ng

RT: 19.76 min Scan# 1651

Delta R.T. 0.06 min

Lab File: BF077524.D

Acq: 2 Mar 2015 16:05

Instrument :

BNA_F

ClientSampleId :

SB4(13-14)

Tgt Ion:	276	Resp:	211665
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.9	28.3
138	26.4	20.5	30.7

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