

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078954.D
 Acq On : 6 May 2015 12:17
 Operator : TP/IZ
 Sample : G2114-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(0-6)

Manual Integrations
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Quant Time: May 07 01:19:31 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	69908	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	302656	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	147896	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	281787	20.00	ng	0.00
75) Chrysene-d12	16.26	240	296803	20.00	ng	-0.05
86) Perylene-d12	18.08	264	330977	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	366905	90.34	ng	0.01
7) Phenol-d6	6.89	99	550104	102.47	ng	0.00
23) Nitrobenzene-d5	8.03	82	308931	58.66	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	105828	66.14	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	636020	59.91	ng	0.00
78) Terphenyl-d14	14.95	244	727841	58.71	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.91	94	17951	2.88	ng	95
48) Acenaphthylene	10.93	152	34628	2.30	ng	99
49) Dimethylphthalate	10.78	163	33700	3.10	ng	100
70) Phenanthrene	12.97	178	218067	13.83	ng	100
71) Anthracene	13.04	178	50206	3.25	ng	99
74) Fluoranthene	14.46	202	379791	23.12	ng	94
77) Pyrene	14.73	202	338766	19.81	ng	97
80) Benzo(a)anthracene	16.24	228	188693m	11.61	ng	
82) Chrysene	16.29	228	173739	11.11	ng	97
83) Bis(2-ethylhexyl)phthalate	16.30	149	24915	2.20	ng	# 98
85) Indeno(1,2,3-cd)pyrene	19.58	276	176533m	8.86	ng	
87) Benzo(b)fluoranthene	17.60	252	311424	17.19	ng	100
88) Benzo(k)fluoranthene	17.63	252	99271m	5.66	ng	
89) Benzo(a)pyrene	18.01	252	232466	13.94	ng	99
90) Dibenzo(a,h)anthracene	19.61	278	39351	2.22	ng	# 91
91) Benzo(g,h,i)perylene	20.02	276	172850	9.73	ng	97

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

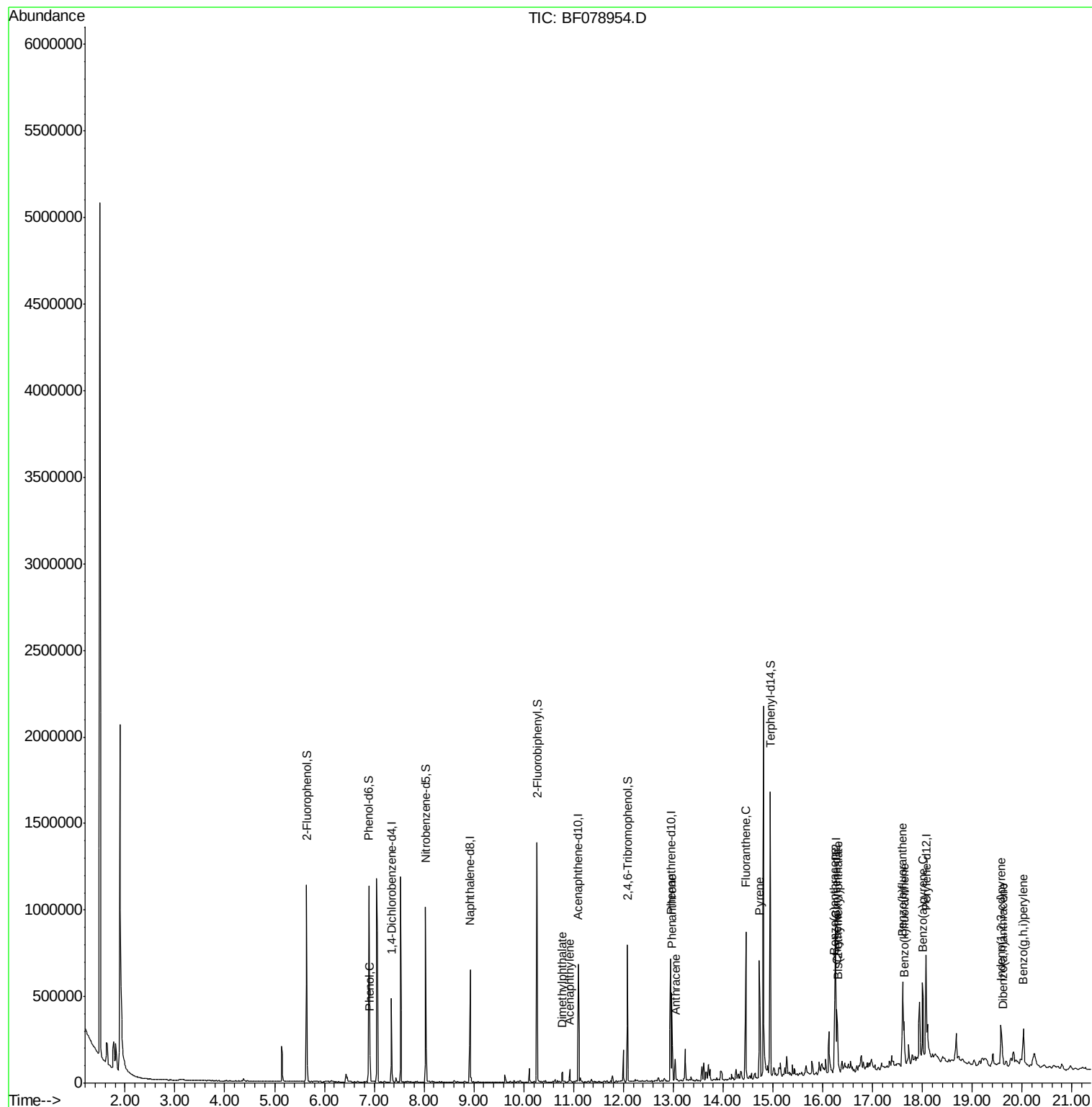
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078954.D
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ALS Vial : 4 Sample Multiplier: 1

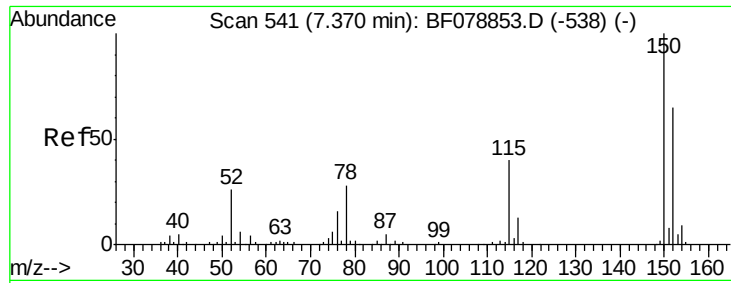
Instrument :
BNA_F
ClientSampled :
GRID-3(0-6)

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#1

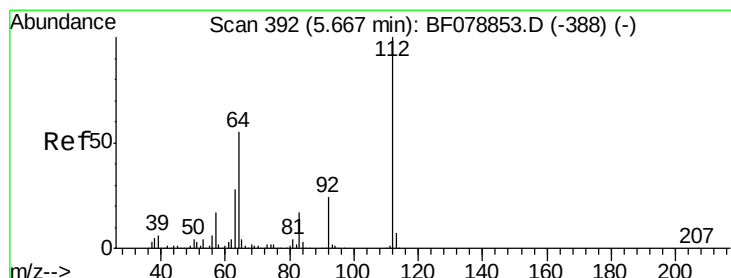
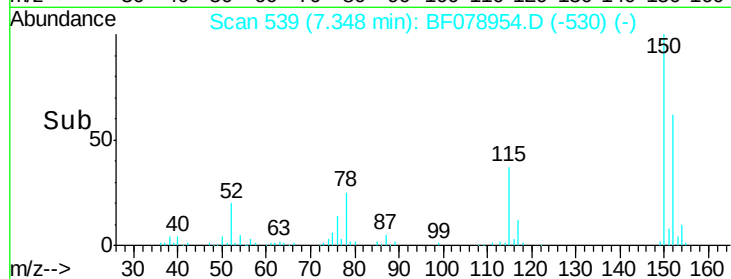
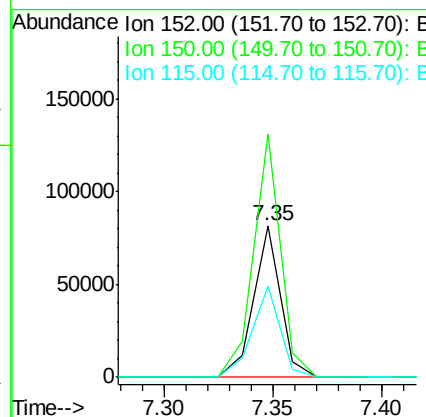
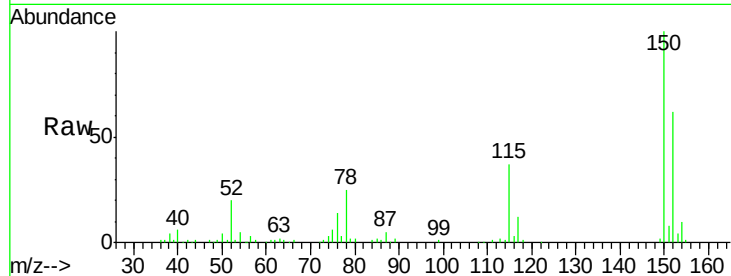
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 539
Delta R.T. 0.00 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Instrument :
BNA_F
ClientSampleId :
GRID-3(0-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	122.0	183.0
115	59.9	46.3	69.5

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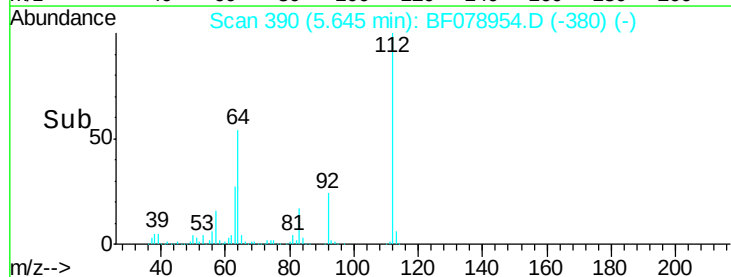
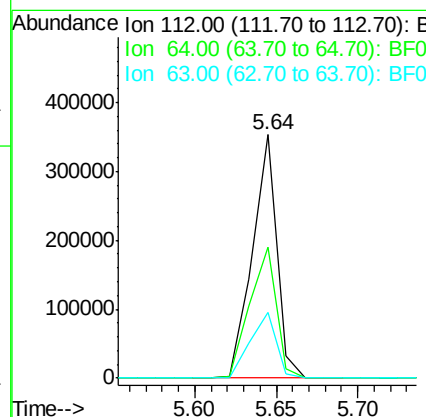
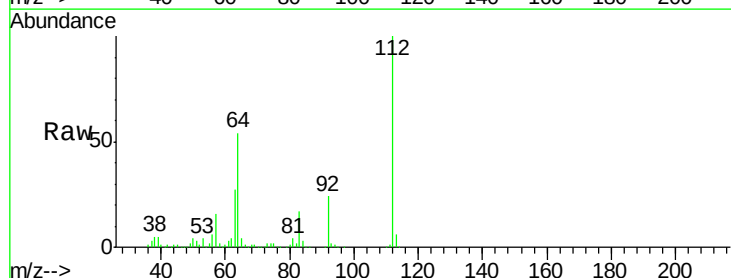
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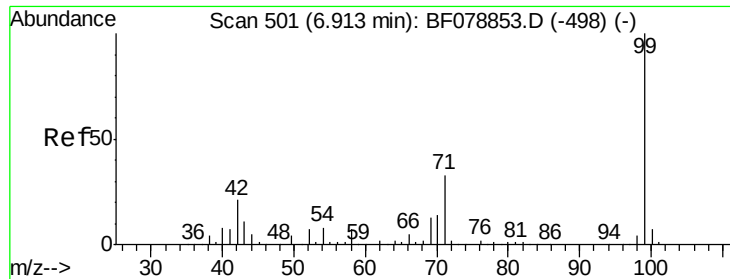


#5

2-Fluorophenol
Concen: 90.34 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.01 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	53.5	80.3
63	27.1	27.5	41.3





#7

Phenol-d6

Concen: 102.47 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :

BNA_F

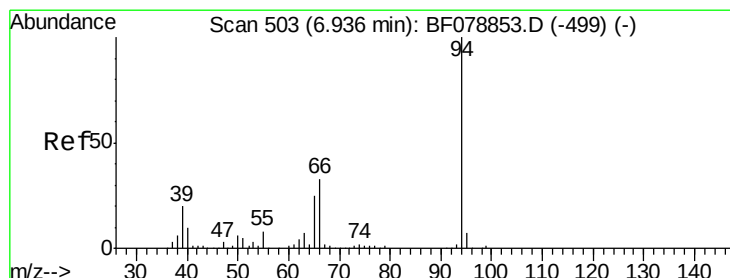
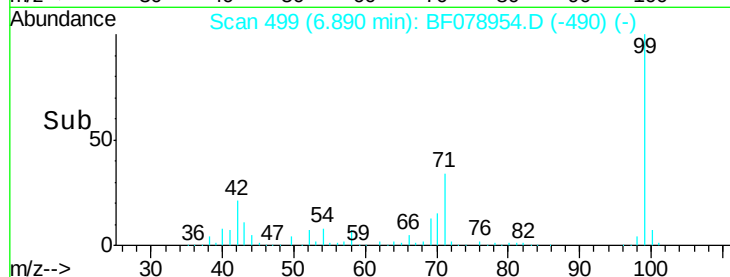
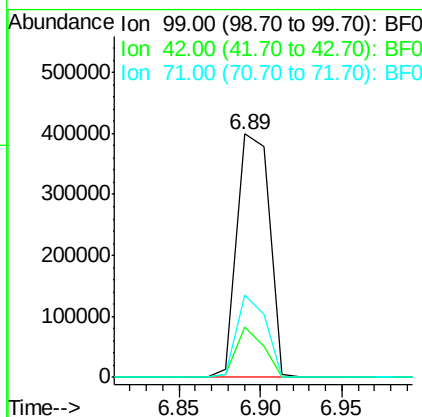
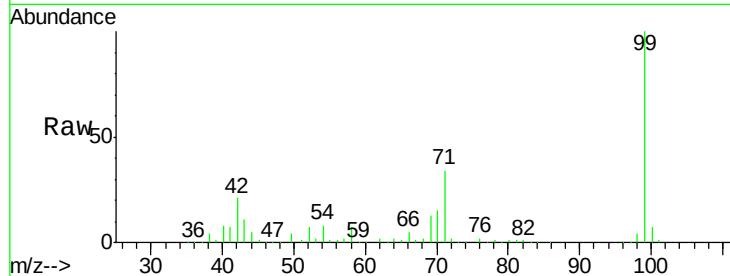
ClientSampleId :

GRID-3(0-6)

Tot Ion:	99	Resp:	550104
Ion Ratio	Lower	Upper	
99	100		
42	20.8	12.8	19.2#
71	33.6	23.4	35.2

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#10

Phenol

Concen: 2.88 ng

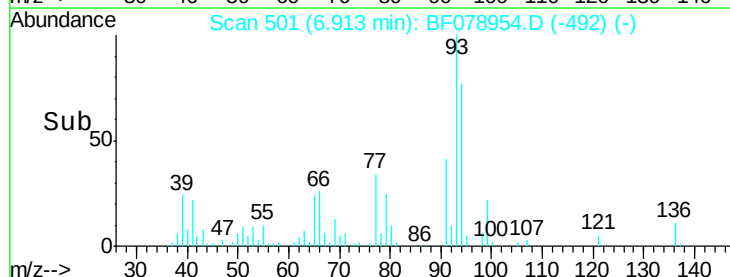
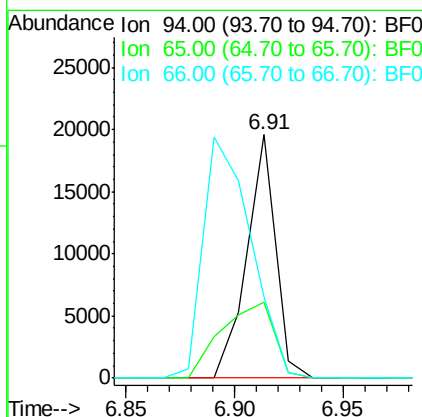
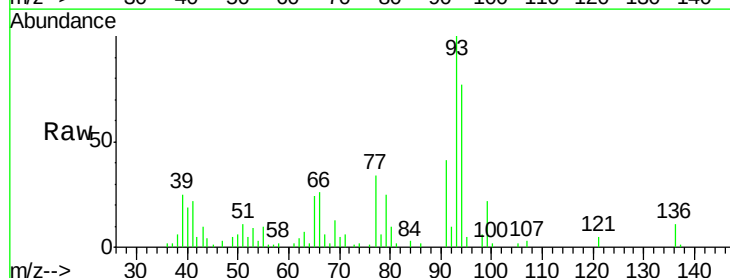
RT: 6.91 min Scan# 501

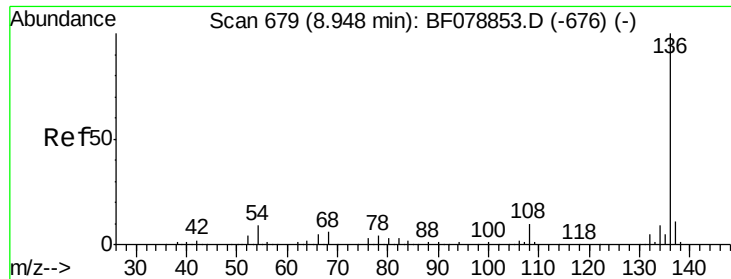
Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Tgt Ion:	94	Resp:	17951
Ion Ratio	Lower	Upper	
94	100		
65	31.1	8.5	48.5
66	33.2	16.0	56.0





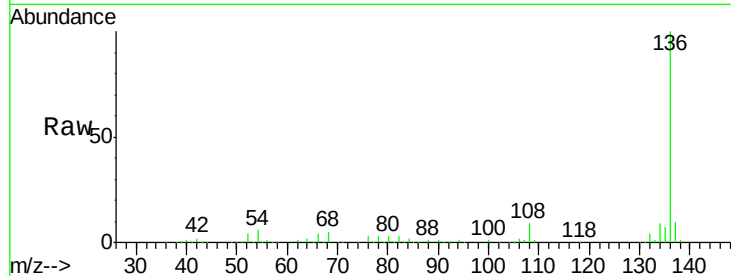
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.92 min Scan# 677
Delta R.T. 0.00 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Instrument :
BNA_F
ClientSampleId :
GRID-3(0-6)

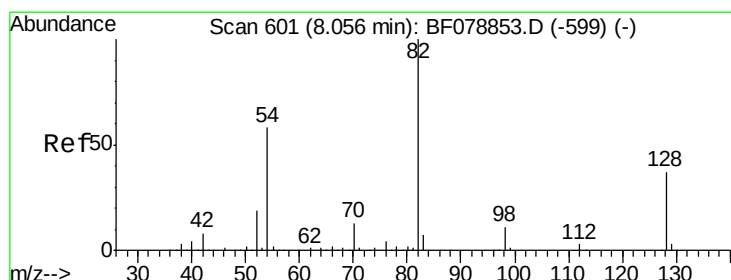
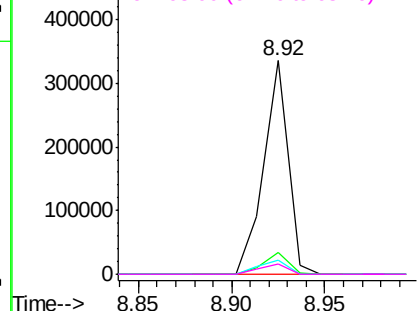
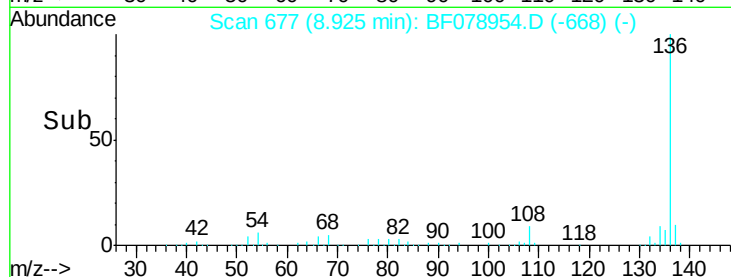
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.4		8.7	13.1	
54	6.5		5.8	8.8	
68	5.0		4.2	6.4	

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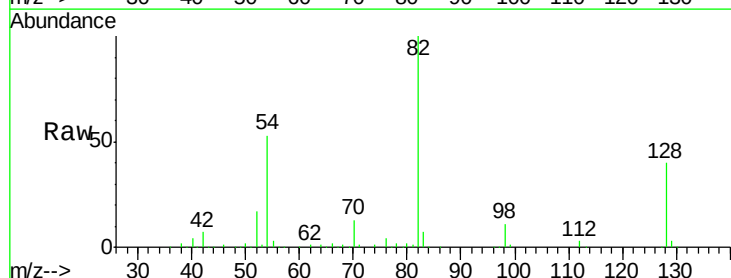


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

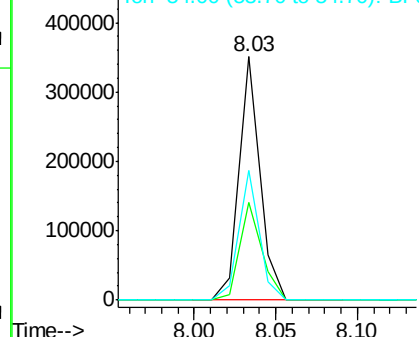
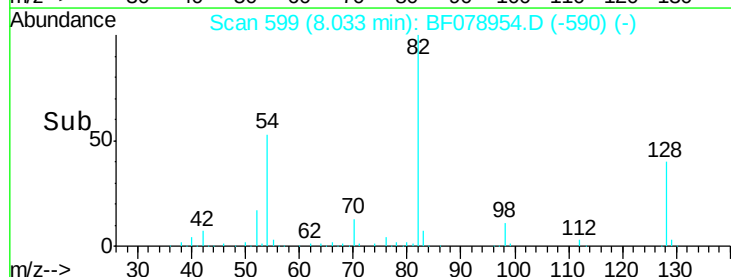


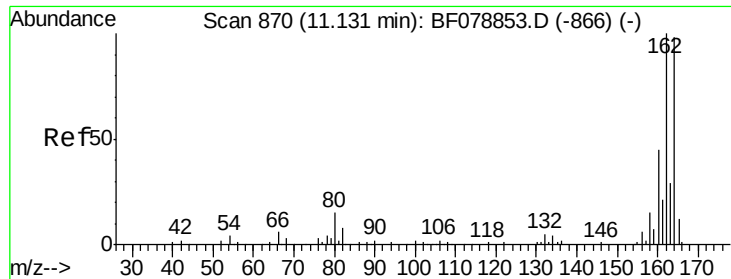
#23
Nitrobenzene-d5
Concen: 58.66 ng
RT: 8.03 min Scan# 599
Delta R.T. 0.00 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	40.2		30.0	45.0	
54	53.4		46.4	69.6	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





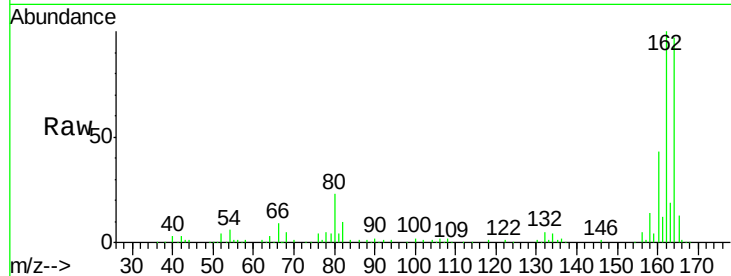
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. 0.00 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Instrument :
BNA_F
ClientSampleId :
GRID-3(0-6)

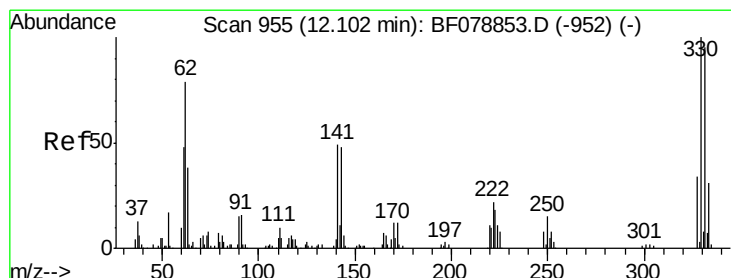
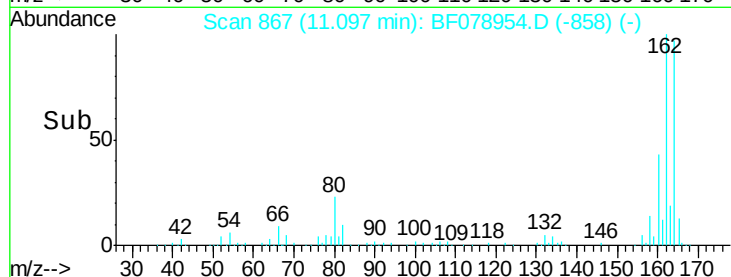
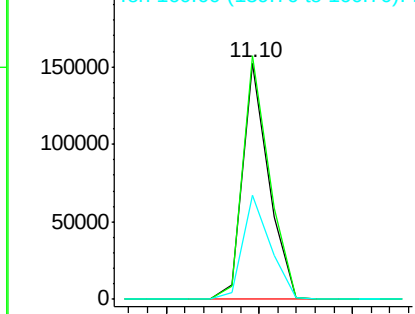
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.1	82.7	124.1	
160	44.3	35.8	53.8	

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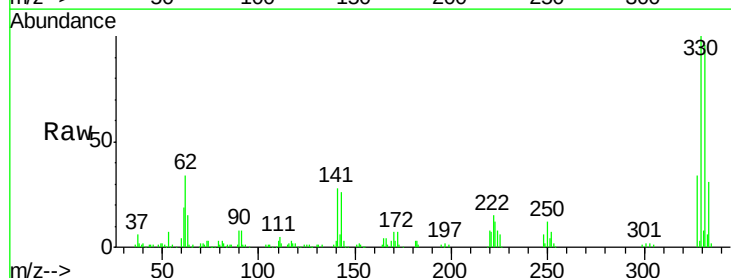


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

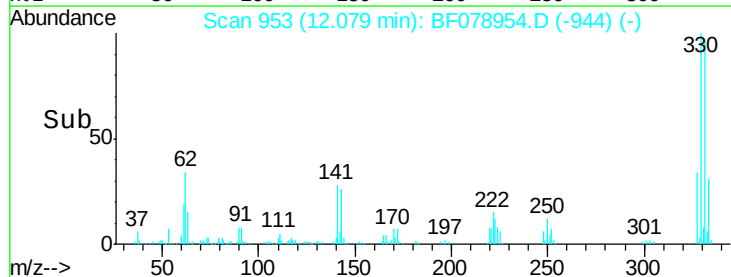
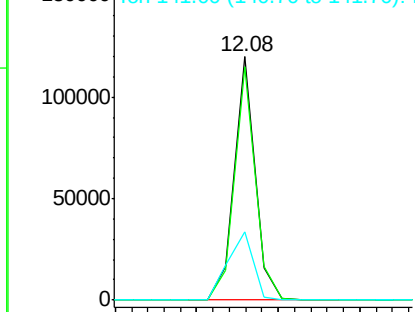


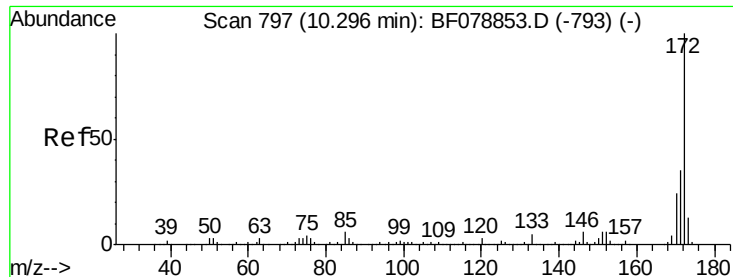
#41
2,4,6-Tribromophenol
Concen: 66.14 ng
RT: 12.08 min Scan# 953
Delta R.T. 0.00 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	0.0	0.0#	
141	34.0	0.0	0.0#	



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





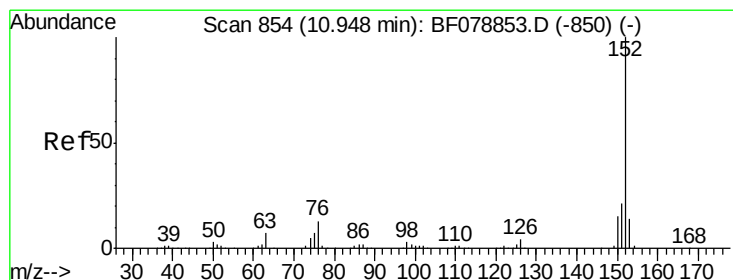
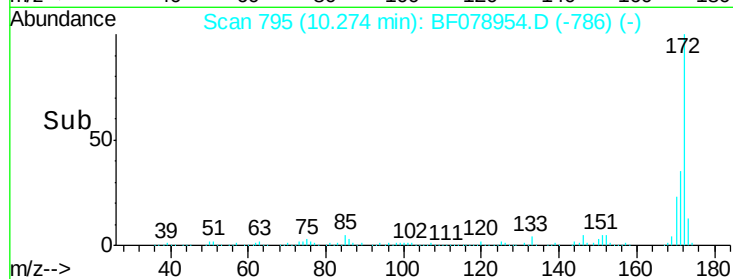
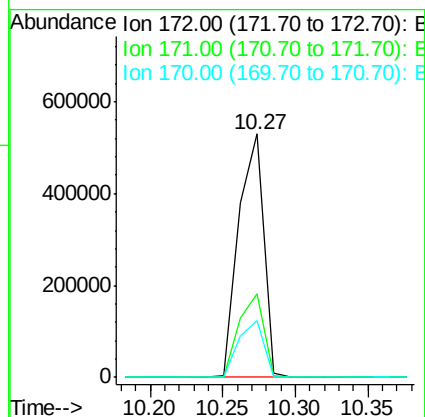
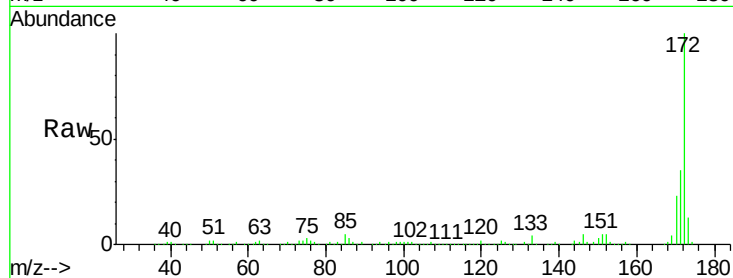
#44
2-Fluorobiphenyl
Concen: 59.91 ng
RT: 10.27 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Instrument :
BNA_F
ClientSampleId :
GRID-3(0-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.9	41.9
170	23.4	19.4	29.0

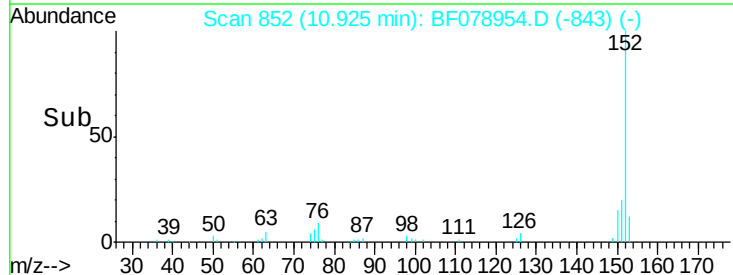
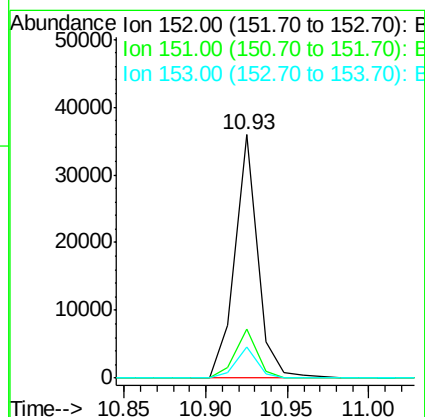
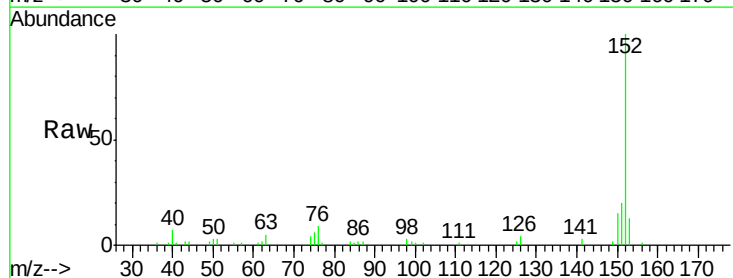
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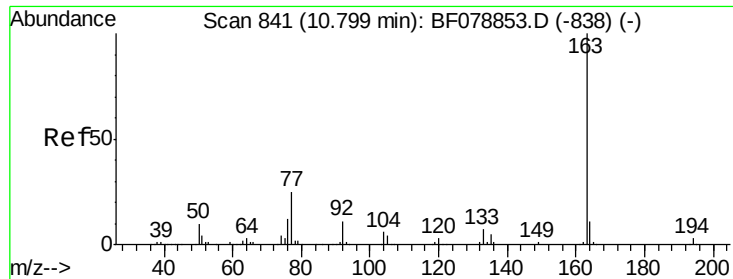
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#48
Acenaphthylene
Concen: 2.30 ng
RT: 10.93 min Scan# 852
Delta R.T. 0.00 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	12.6	10.9	16.3





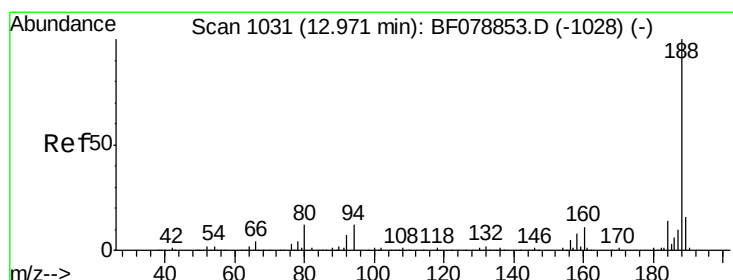
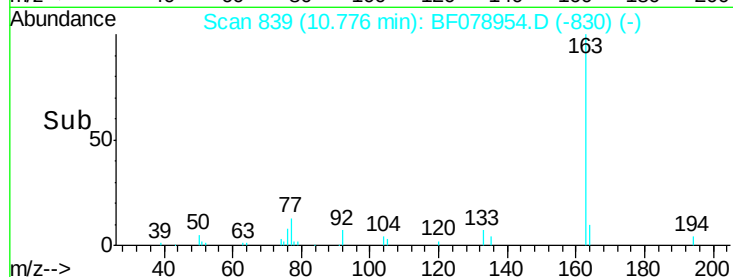
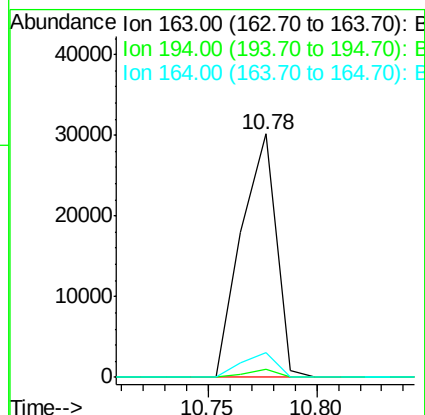
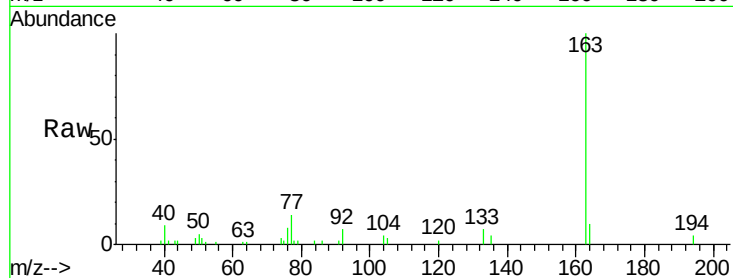
#49
Dimethylphthalate
Concen: 3.10 ng
RT: 10.78 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Instrument :
BNA_F
ClientSampleId :
GRID-3(0-6)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		33700		
194	3.5		2.6	4.0	
164	10.1		8.1	12.1	

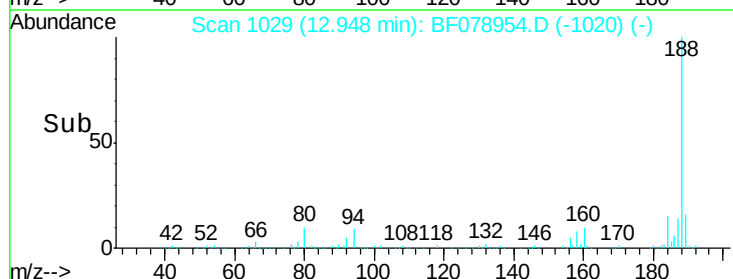
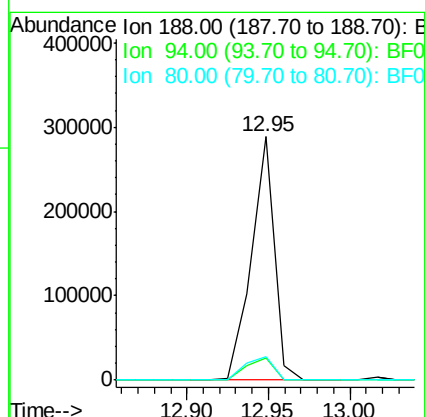
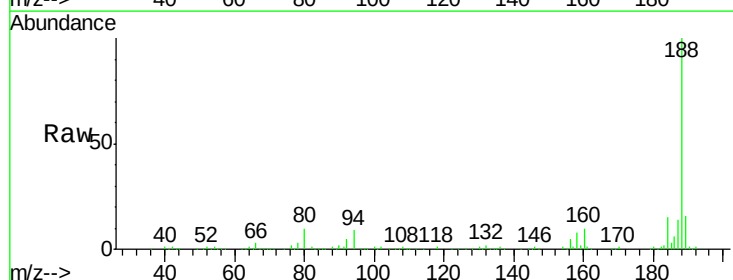
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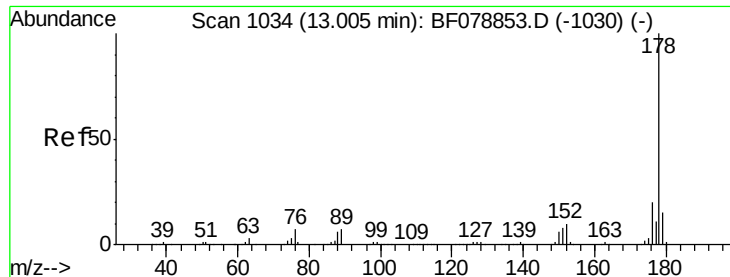
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		281787		
94	9.2		8.2	12.2	
80	9.5		8.9	13.3	





#70

Phenanthrene

Concen: 13.83 ng

RT: 12.97 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :

BNA_F

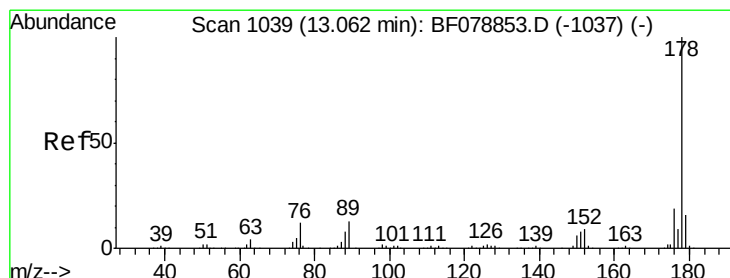
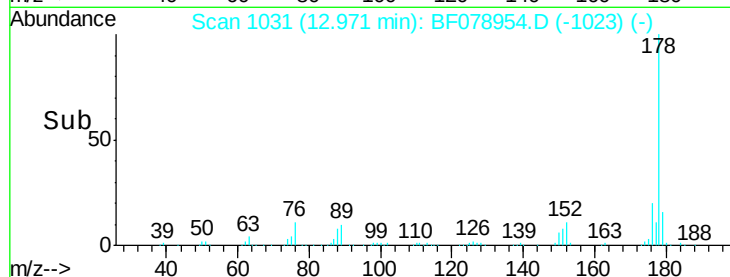
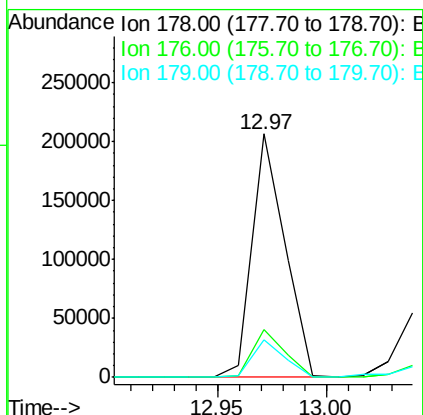
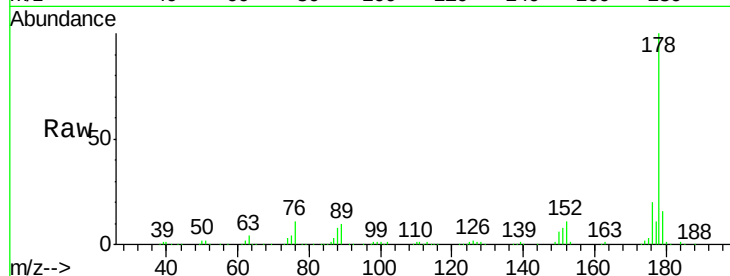
ClientSampled :

GRID-3(0-6)

Tot Ion:	178	Resp:	218067
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.8	23.8
179	15.6	12.5	18.7

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#71

Anthracene

Concen: 3.25 ng

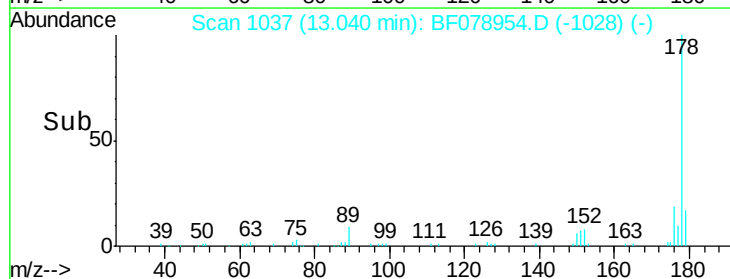
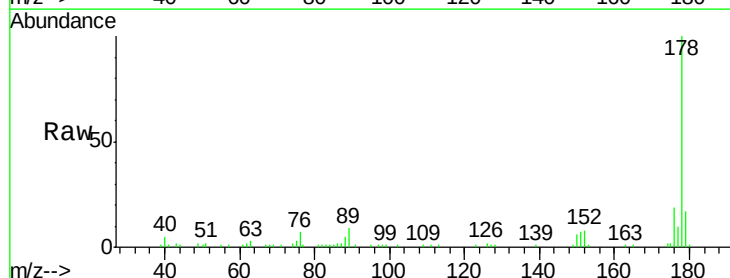
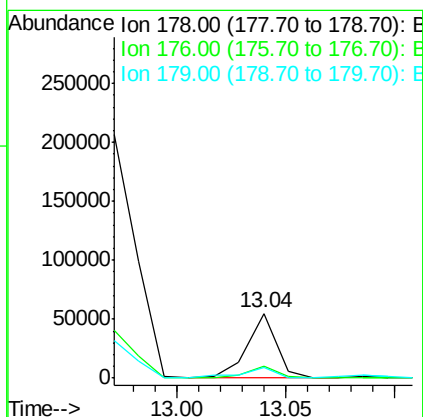
RT: 13.04 min Scan# 1037

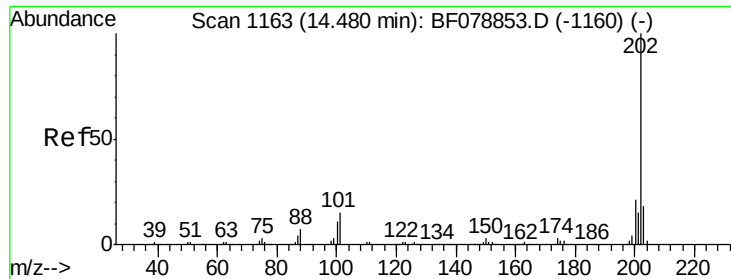
Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Tgt Ion:	178	Resp:	50206
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.5	23.3
179	16.6	12.7	19.1





#74

Fluoranthene

Concen: 23.12 ng

RT: 14.46 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :

BNA_F

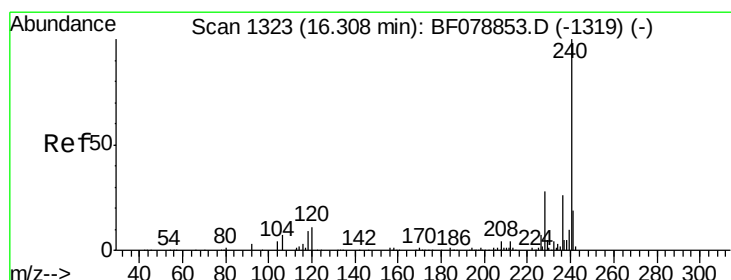
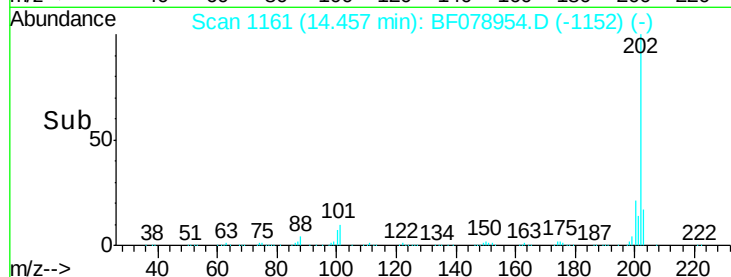
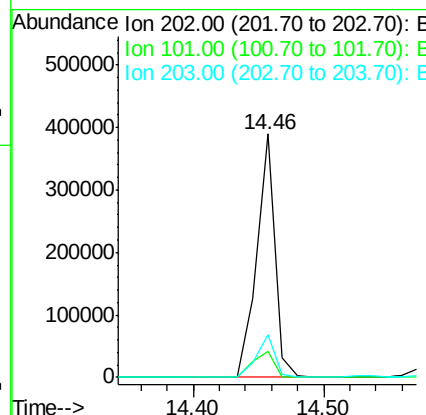
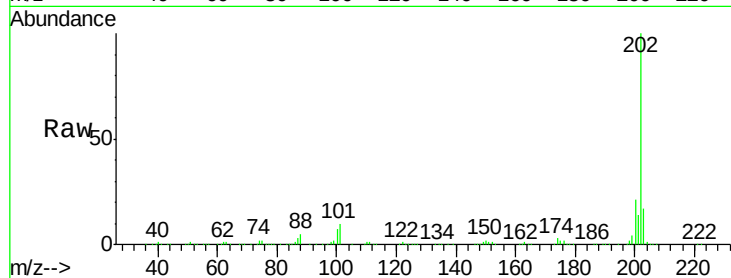
ClientSampleId :

GRID-3(0-6)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.5	0.0	34.6
203	17.4	0.0	38.4

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#75

Chrysene-d12

Concen: 20.00 ng

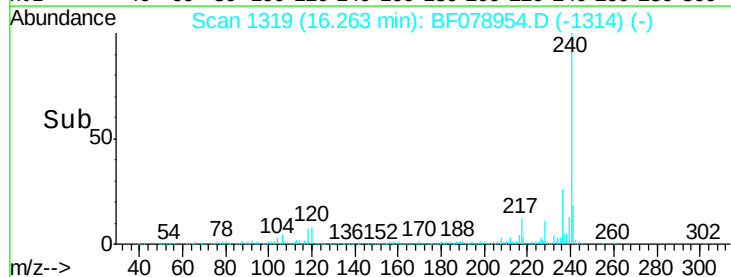
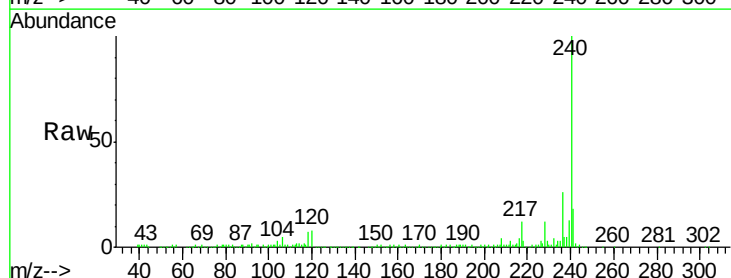
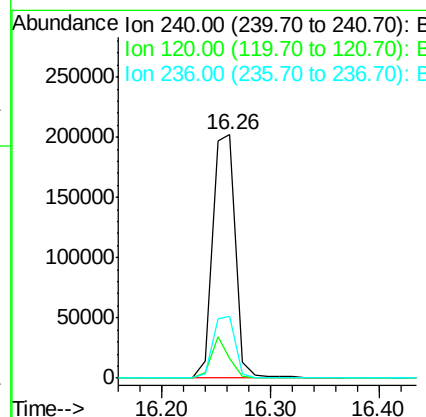
RT: 16.26 min Scan# 1319

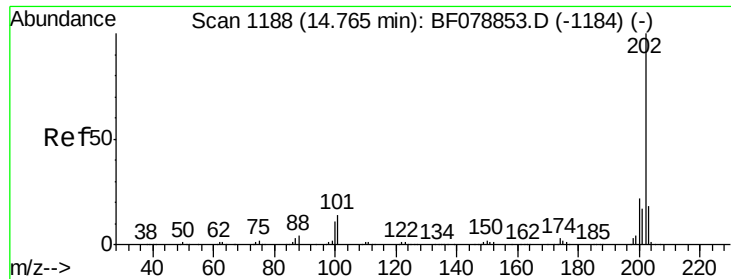
Delta R.T. -0.05 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.3	9.7	14.5#
236	25.7	20.2	30.4





#77

Pvrene

Concen: 19.81 ng

RT: 14.73 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :

BNA_F

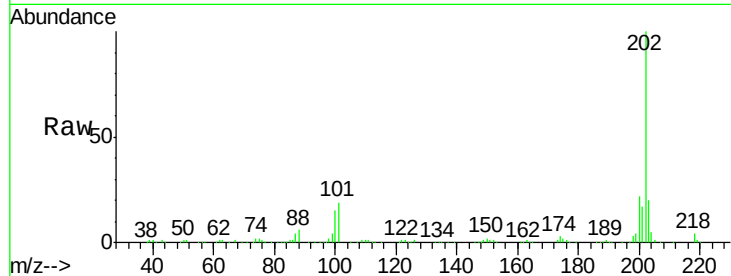
ClientSampleId :

GRID-3(0-6)

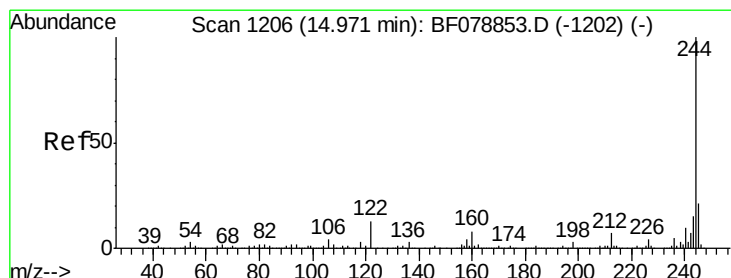
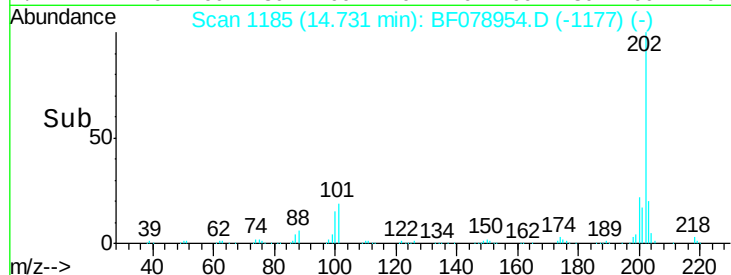
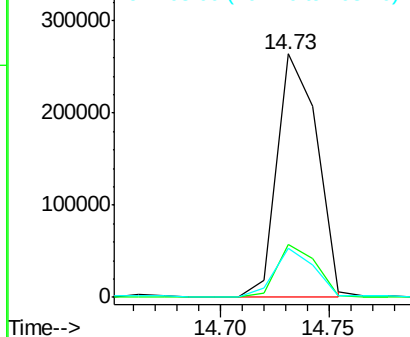
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	21.8	17.5	26.3		
203	20.4	13.9	20.9		

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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: 58.71 ng

RT: 14.95 min Scan# 1204

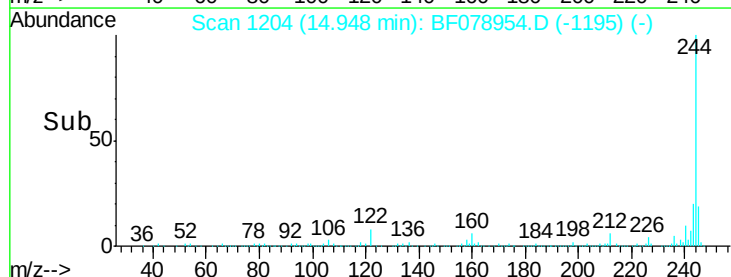
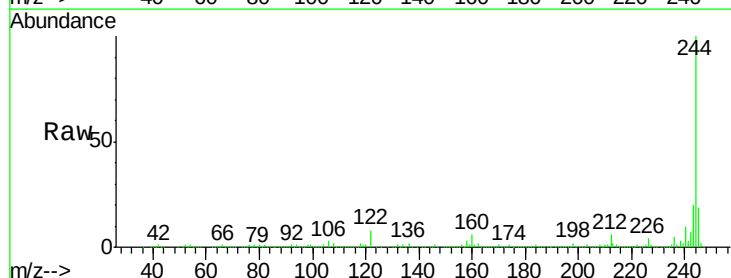
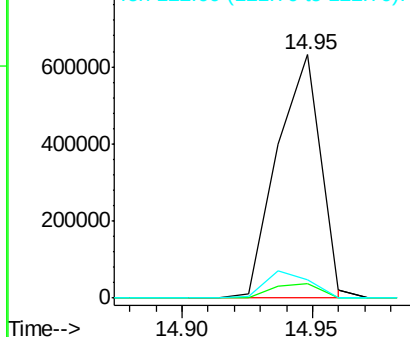
Delta R.T. 0.00 min

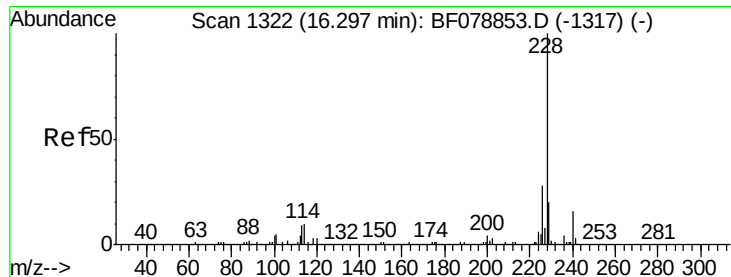
Lab File: BF078954.D

Acq: 6 May 2015 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	5.9	5.6	8.4		
122	7.7	10.3	15.5		

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





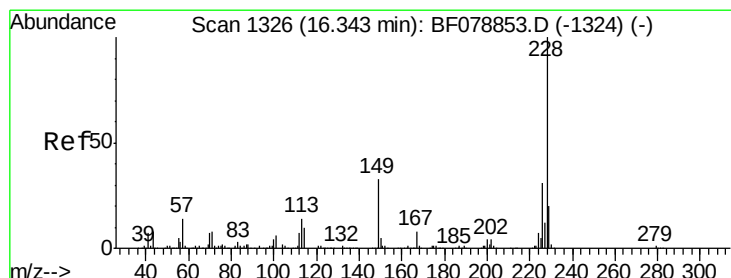
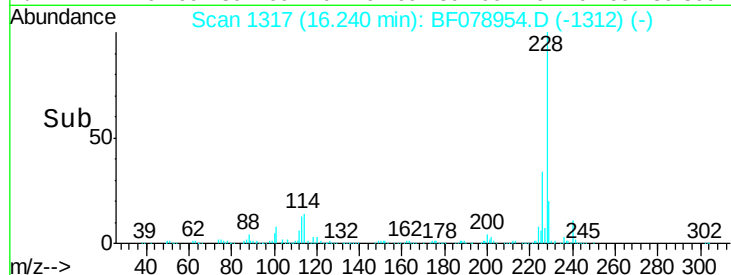
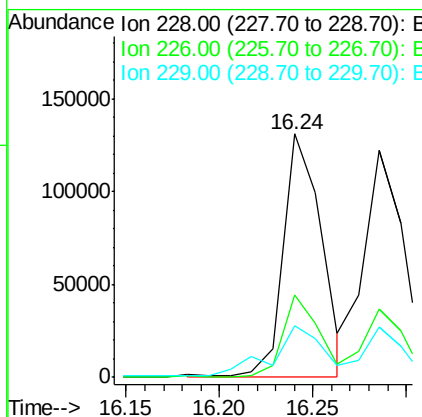
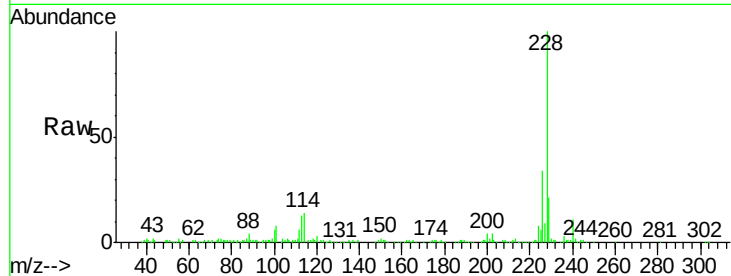
#80
Benzo(a)anthracene
Concen: 11.61 ng m
RT: 16.24 min Scan# 1317
Delta R.T. -0.05 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Instrument :
BNA_F
ClientSampleId :
GRID-3(0-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.0	22.6	33.8#
229	21.0	15.9	23.9

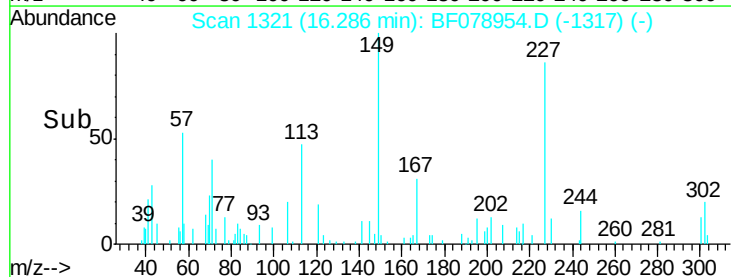
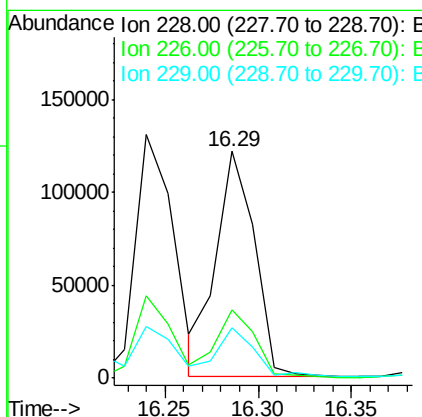
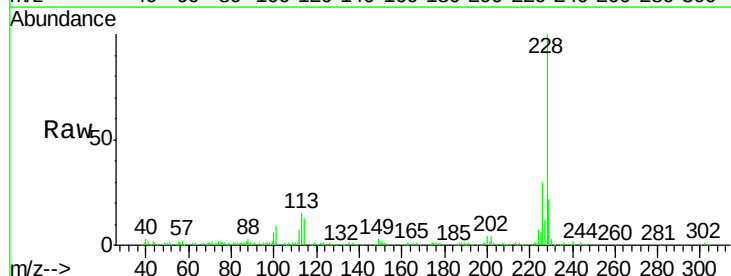
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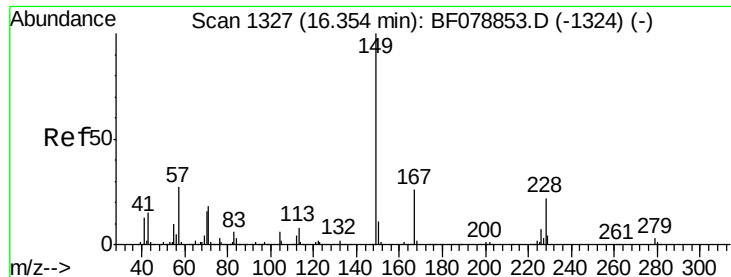
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#82
Chrysene
Concen: 11.11 ng
RT: 16.29 min Scan# 1321
Delta R.T. -0.06 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.1	16.0	24.0





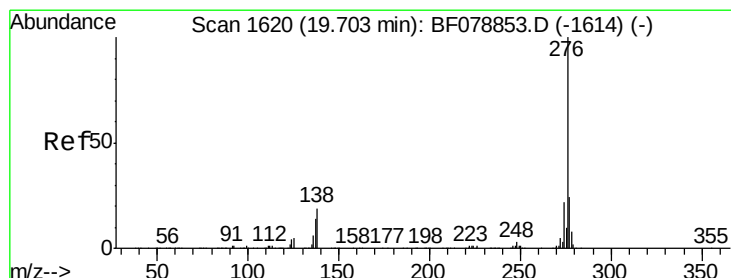
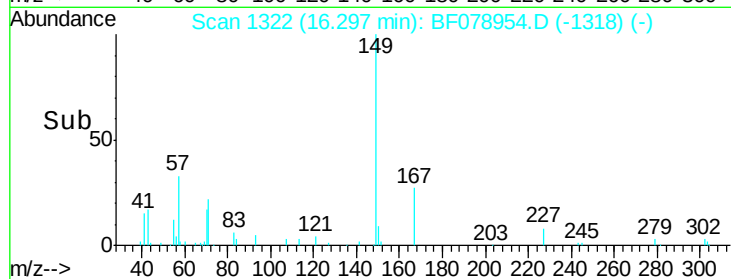
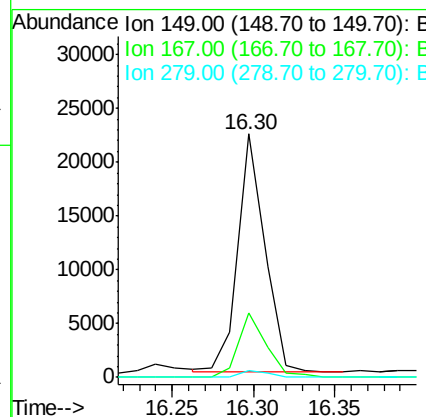
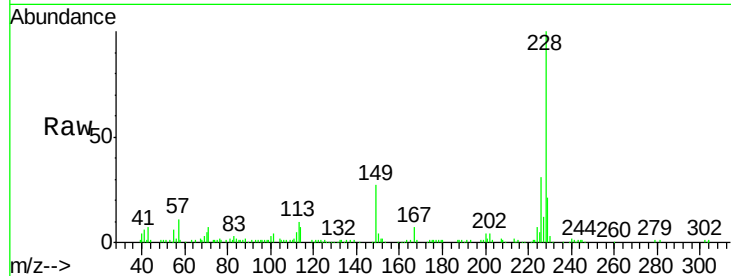
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.20 ng
 RT: 16.30 min Scan# 1322
 Delta R.T. -0.06 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(0-6)

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.8	32.8
279	2.9	2.9	4.3#

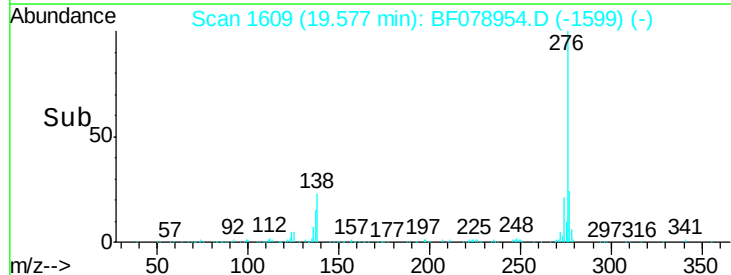
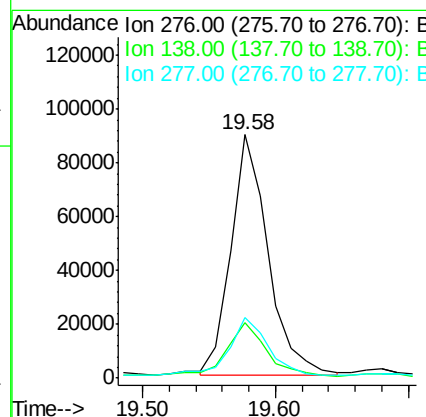
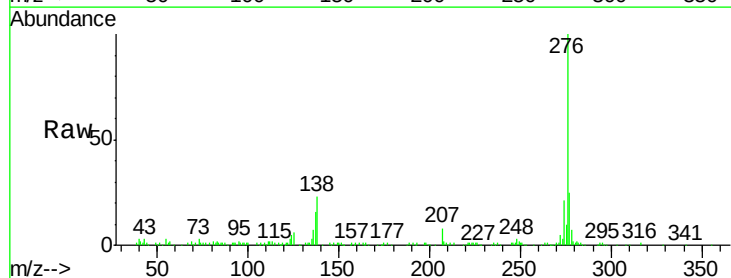
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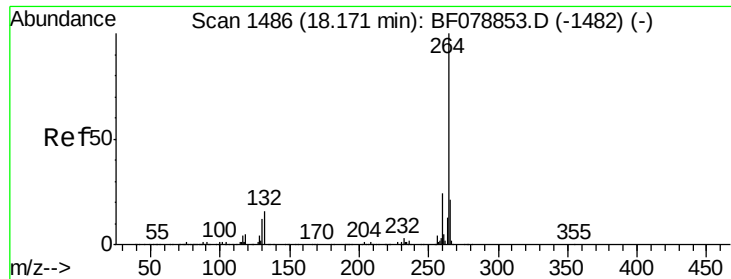
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.86 ng m
 RT: 19.58 min Scan# 1609
 Delta R.T. -0.18 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	2.7	0.0	0.0#
277	1.9	0.0	0.0#





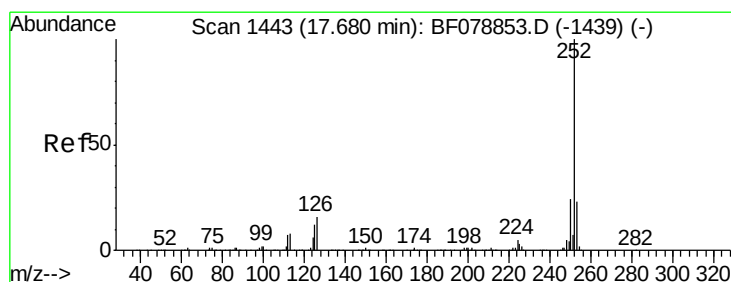
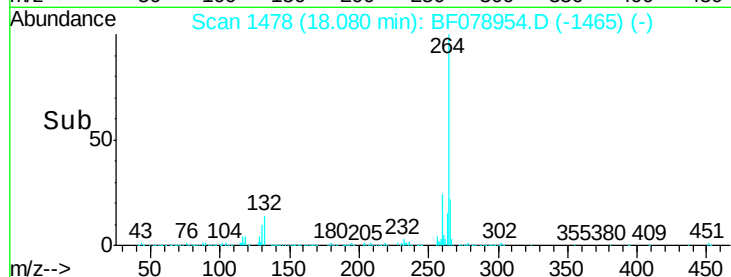
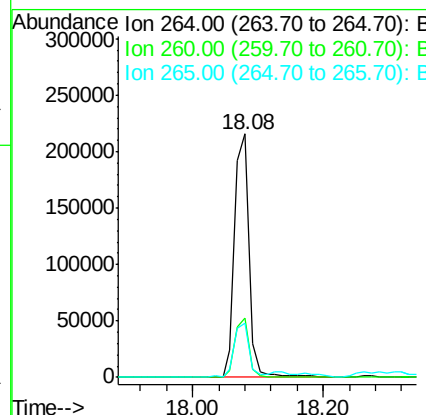
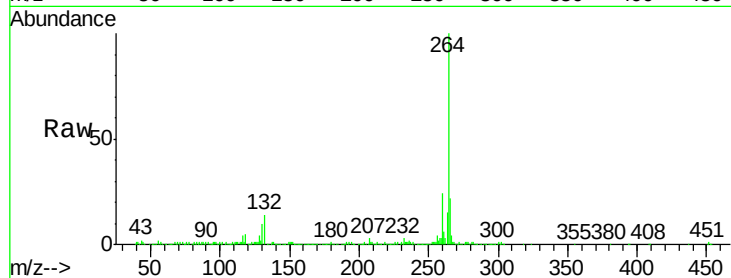
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.08 min Scan# 1478
Delta R.T. -0.15 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Instrument :
BNA_F
ClientSampleId :
GRID-3(0-6)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	22.3	18.3	27.5

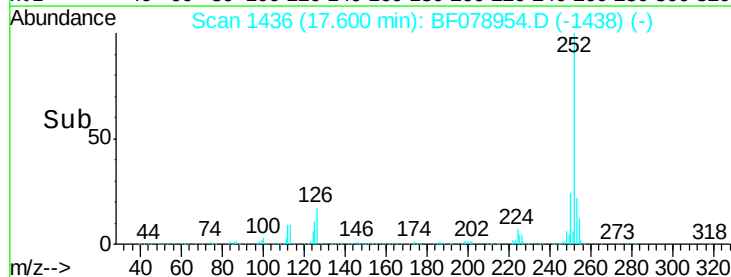
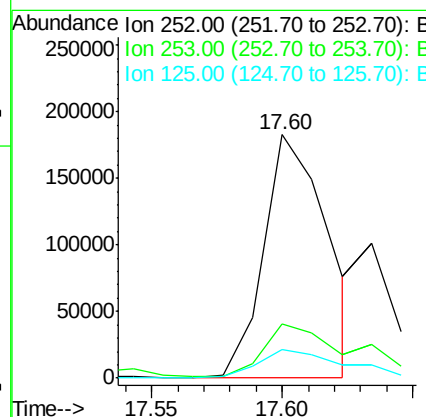
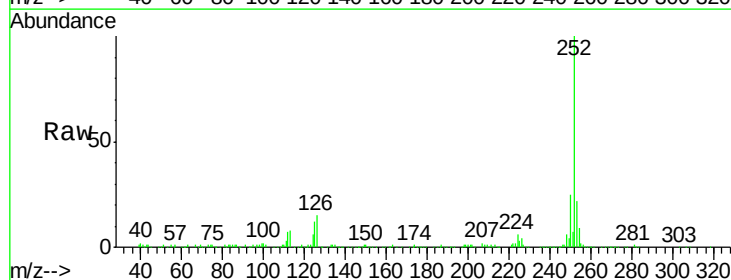
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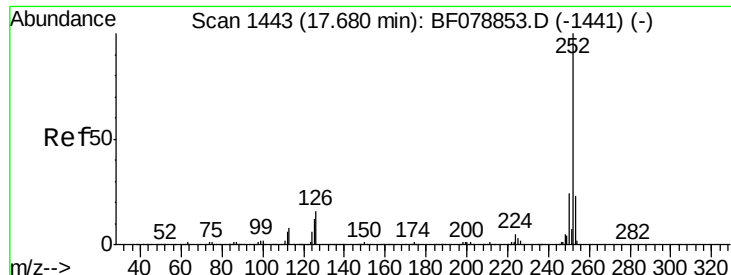
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#87
Benzo(b)fluoranthene
Concen: 17.19 ng
RT: 17.60 min Scan# 1436
Delta R.T. -0.13 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.8	9.5	14.3





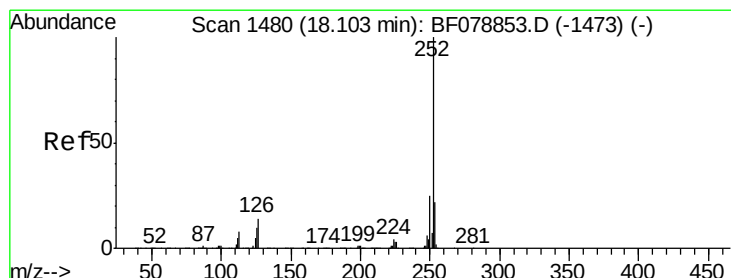
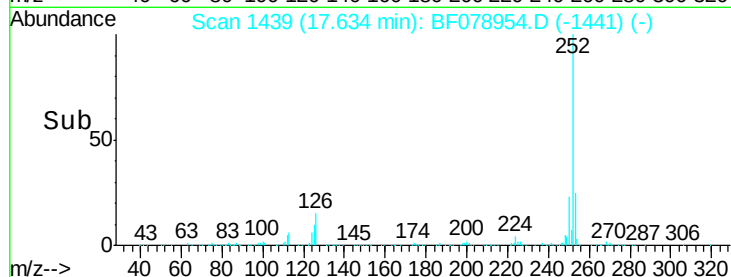
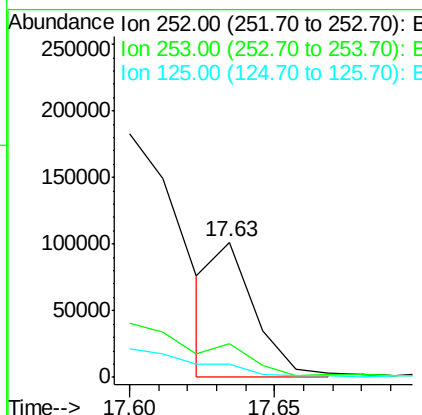
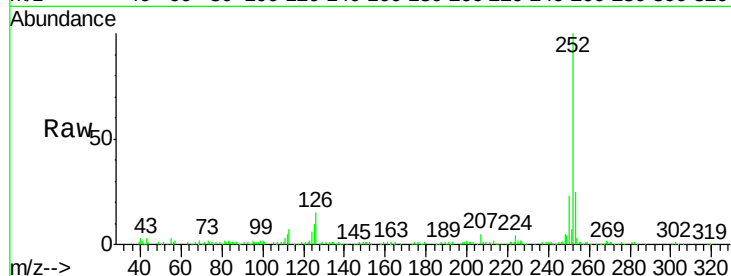
#88
Benzo(k)fluoranthene
Concen: 5.66 ng m
RT: 17.63 min Scan# 1439
Delta R.T. -0.13 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Instrument :
BNA_F
ClientSampleId :
GRID-3(0-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	10.2	10.0	15.0

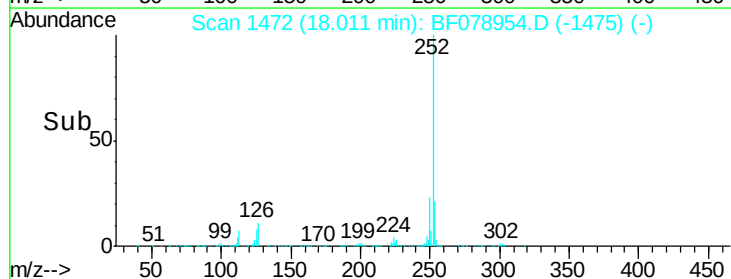
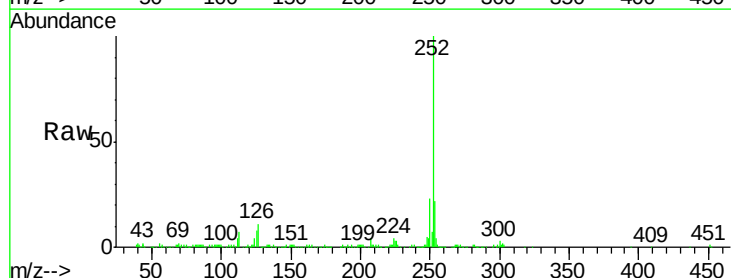
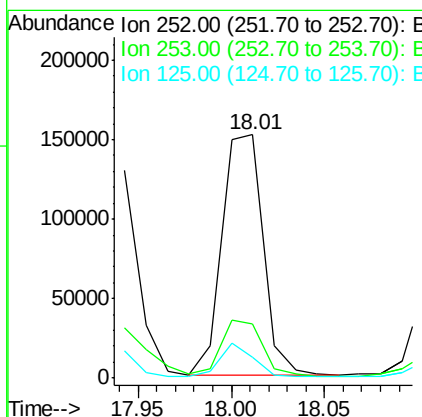
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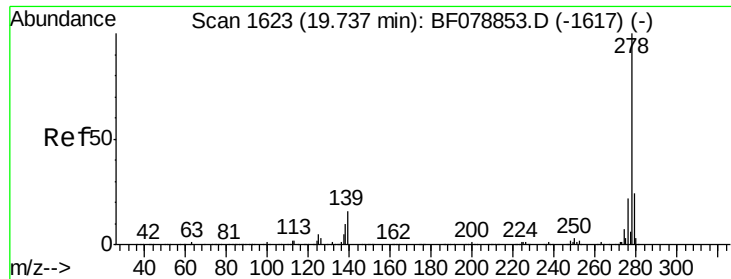
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#89
Benzo(a)pyrene
Concen: 13.94 ng
RT: 18.01 min Scan# 1472
Delta R.T. -0.14 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	8.3	7.0	10.6





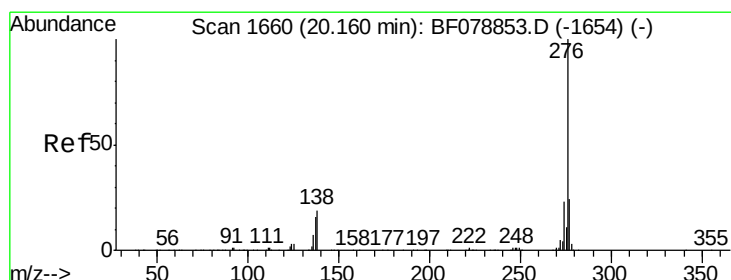
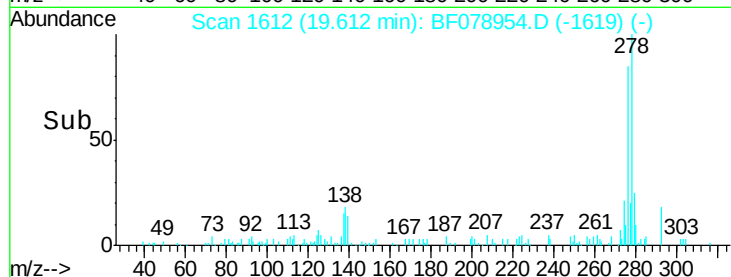
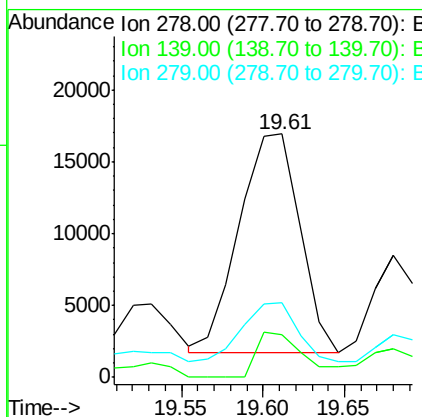
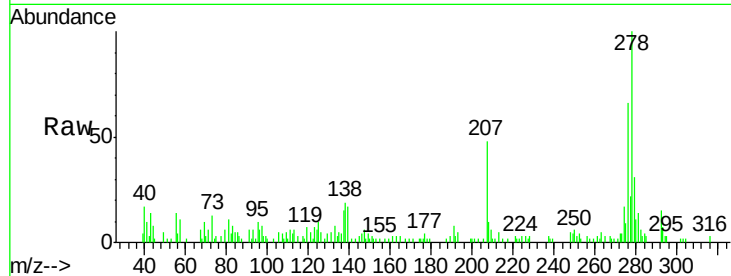
#90
Dibenzo(a,h)anthracene
Concen: 2.22 ng
RT: 19.61 min Scan# 1612
Delta R.T. -0.18 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Instrument :
BNA_F
ClientSampleId :
GRID-3(0-6)

Tot Ion:	278	Resp:	39351
Ion Ratio	Lower	Upper	
278	100		
139	17.4	12.8	19.2
279	30.9	19.6	29.4#

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#91
Benzo(g,h,i)perylene
Concen: 9.73 ng
RT: 20.02 min Scan# 1648
Delta R.T. -0.18 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Tgt Ion:	276	Resp:	172850
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.6	28.0
138	24.1	17.4	26.0

