

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078967.D
 Acq On : 6 May 2015 18:28
 Operator : TP/IZ
 Sample : G2114-11 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-4(6-12)

Manual Integrations
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Quant Time: May 07 12:26:15 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	66044	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	285597	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	139068	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	287122	20.00	ng	0.00
75) Chrysene-d12	16.25	240	334606	20.00	ng	-0.06
86) Perylene-d12	18.03	264	365225	20.00	ng	-0.19
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	85409	22.26	ng	0.01
7) Phenol-d6	6.90	99	156411	30.84	ng	0.01
23) Nitrobenzene-d5	8.03	82	84719	17.05	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	69248	46.03	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	229644	23.01	ng	0.00
78) Terphenyl-d14	14.95	244	362693m	25.95	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	12.98	178	339188	21.12	ng	99
71) Anthracene	13.04	178	69978	4.44	ng	99
74) Fluoranthene	14.46	202	393166	23.49	ng	99
77) Pyrene	14.74	202	381124m	19.77	ng	
79) Butylbenzylphthalate	15.57	149	91241	10.83	ng	# 87
80) Benzo(a)anthracene	16.24	228	193914	10.58	ng	98
82) Chrysene	16.29	228	150911	8.56	ng	98
83) Bis(2-ethylhexyl)phthalate	16.29	149	174517	13.67	ng	# 94
85) Indeno(1,2,3-cd)pyrene	19.53	276	100134m	4.46	ng	
87) Benzo(b)fluoranthene	17.57	252	213979	10.70	ng	99
88) Benzo(k)fluoranthene	17.60	252	63797m	3.30	ng	
89) Benzo(a)pyrene	17.97	252	155148	8.43	ng	96
91) Benzo(a,h,i)perylene	19.98	276	100711	5.14	ng	97

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

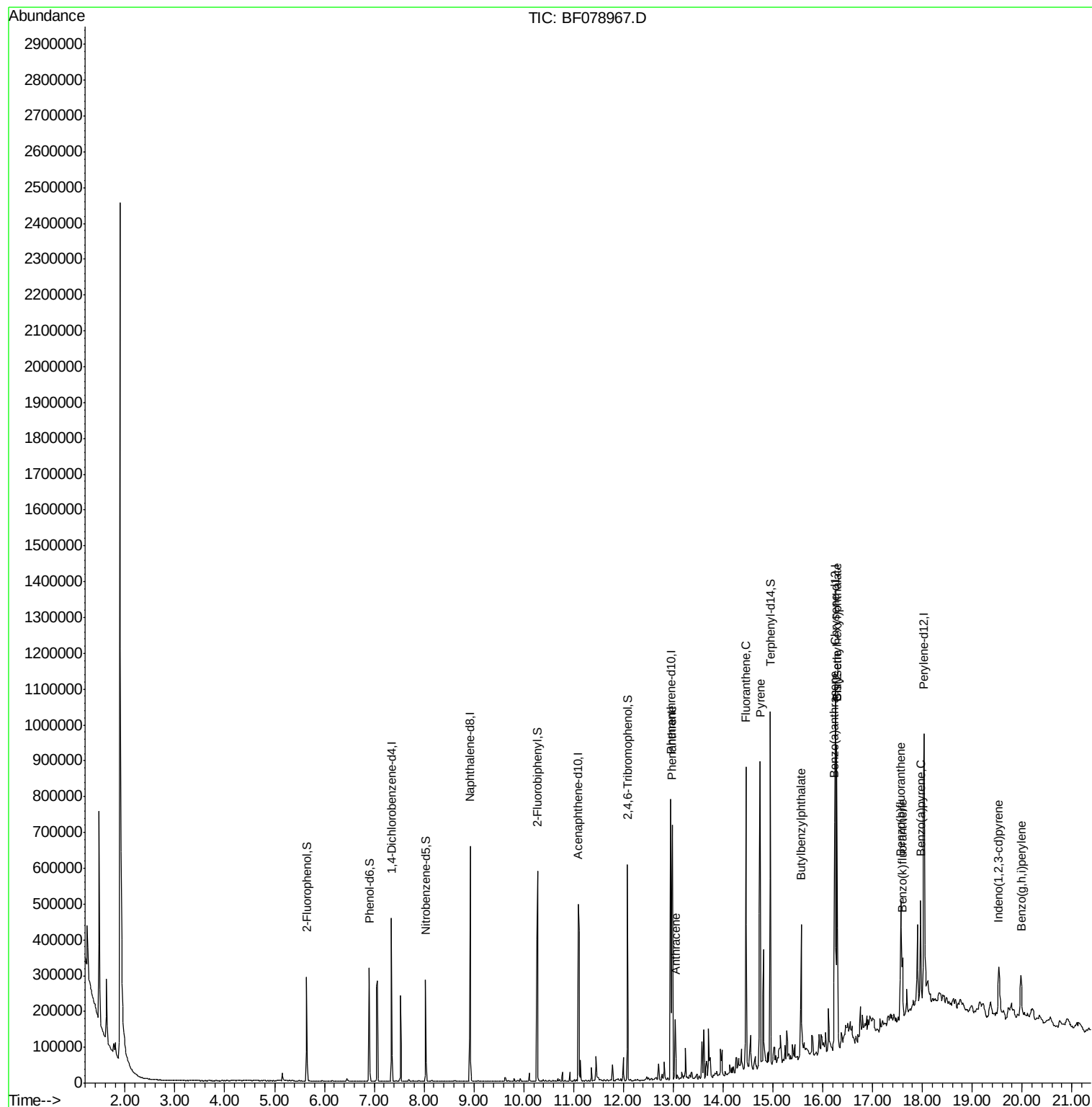
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078967.D
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Sample : G2114-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

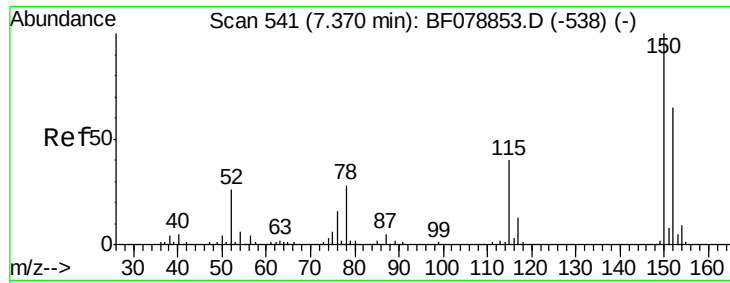
Instrument :
BNA_F
ClientSampleId :
GRID-4(6-12)

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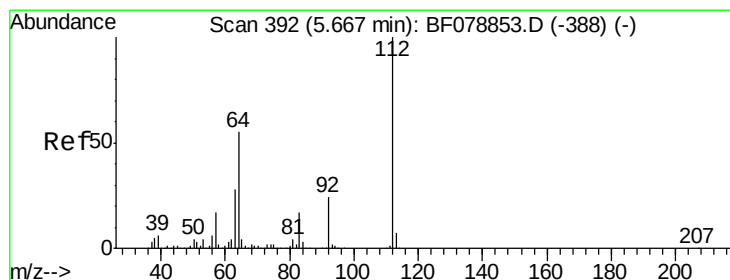
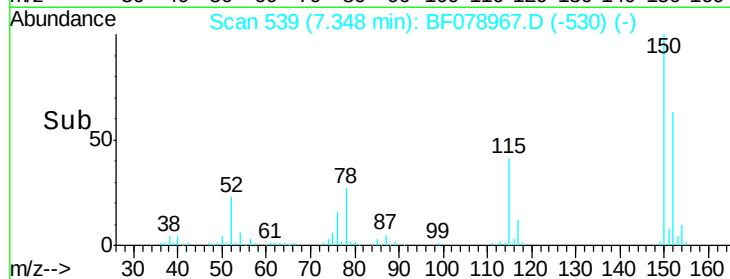
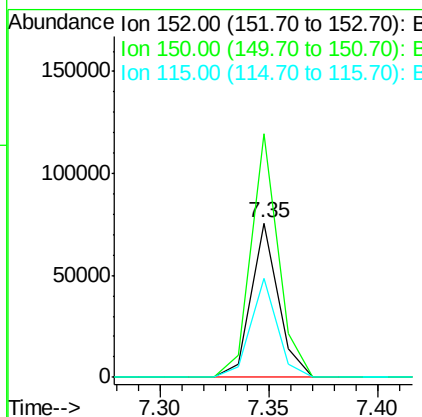
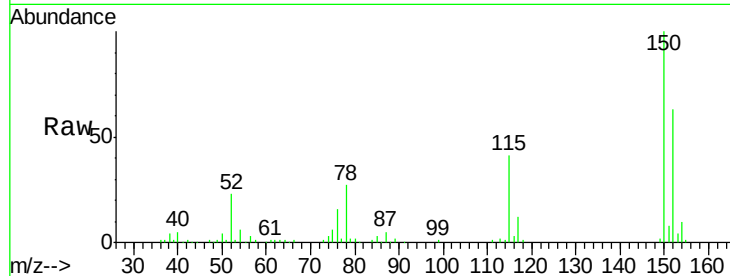
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Instrument :
 BNA_F
 ClientSampleId :
 GRID-4(6-12)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.0	183.0
115	64.4	46.3	69.5

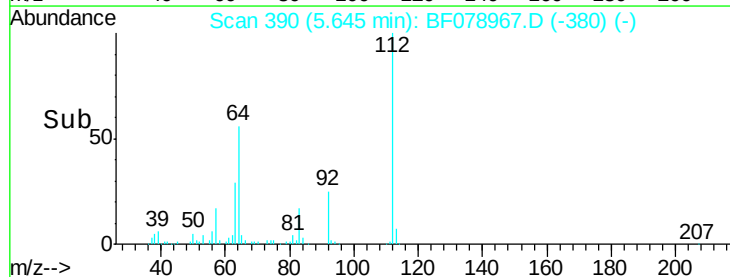
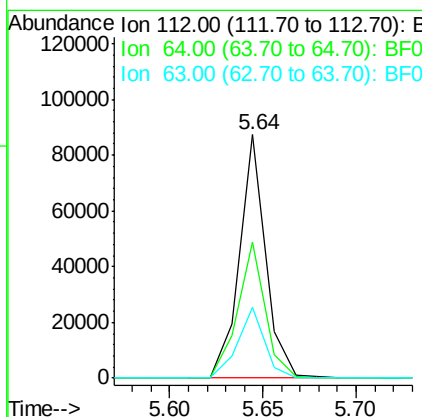
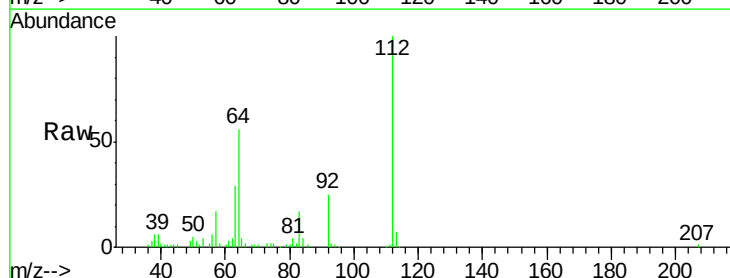
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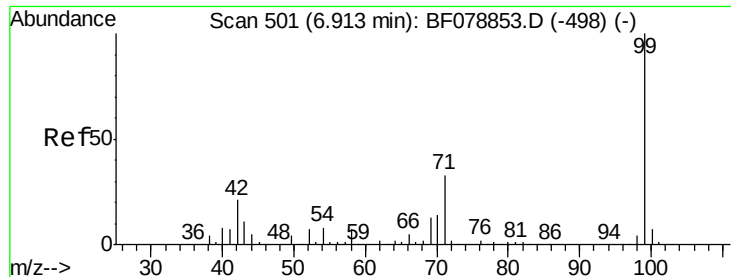
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#5
 2-Fluorophenol
 Concen: 22.26 ng
 RT: 5.64 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	53.5	80.3
63	29.3	27.5	41.3





#7

Phenol-d6

Concen: 30.84 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.01 min

Lab File: BF078967.D

Acq: 6 May 2015 18:28

Instrument :

BNA_F

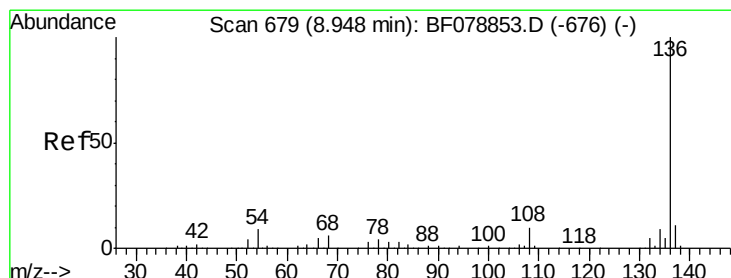
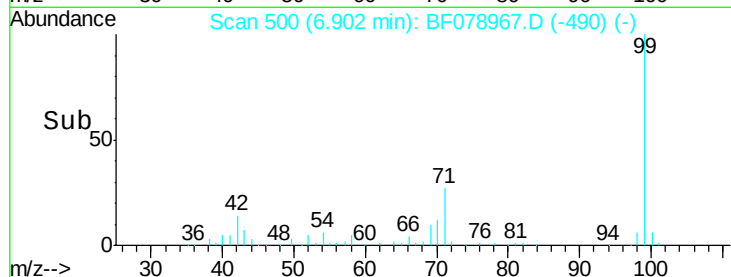
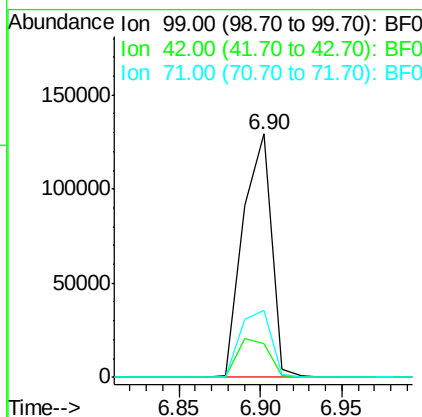
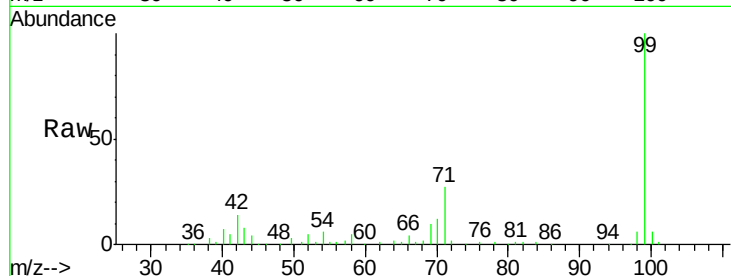
ClientSampleId :

GRID-4(6-12)

Tot Ion:	99	Resp:	156411
Ion Ratio	Lower	Upper	
99	100		
42	13.8	12.8	19.2
71	27.3	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

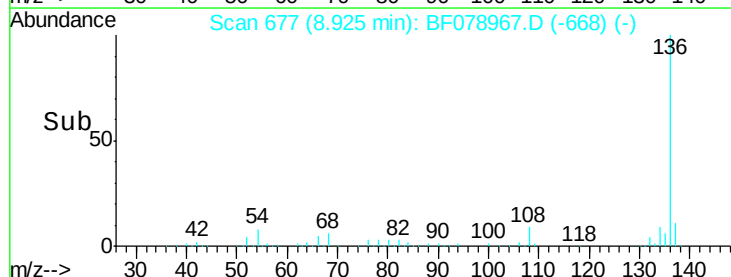
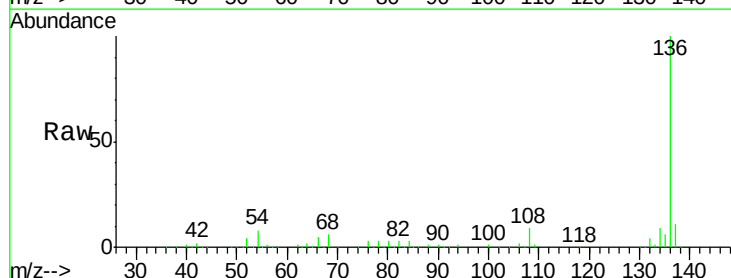
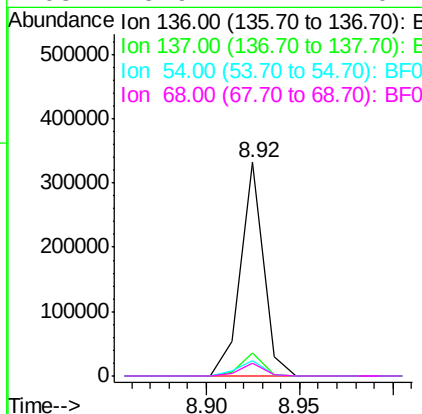
RT: 8.92 min Scan# 677

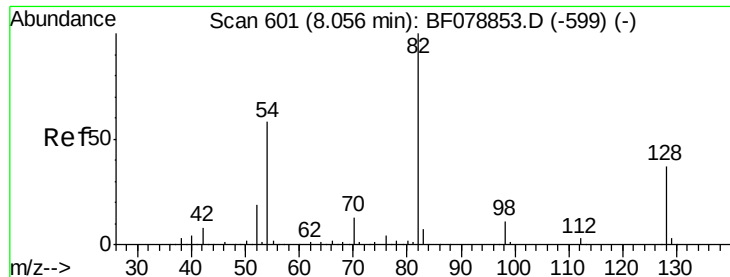
Delta R.T. 0.00 min

Lab File: BF078967.D

Acq: 6 May 2015 18:28

Tgt Ion:	136	Resp:	285597
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.7	13.1
54	7.5	5.8	8.8
68	5.9	4.2	6.4





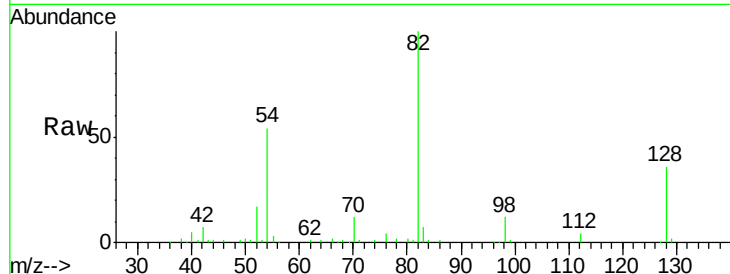
#23
 Nitrobenzene-d5
 Concen: 17.05 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Instrument :
 BNA_F
 ClientSampleId :
 GRID-4(6-12)

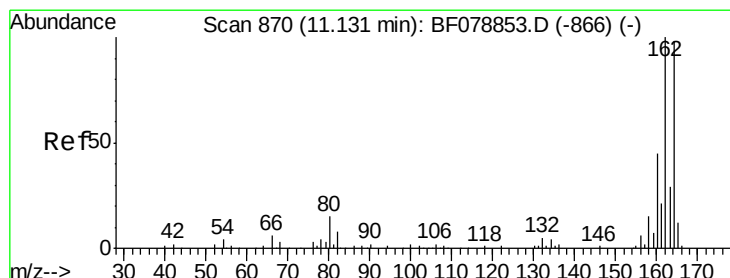
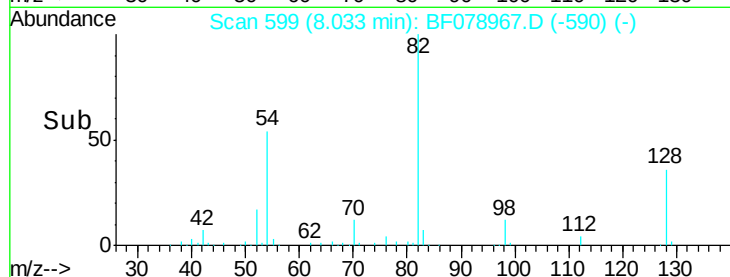
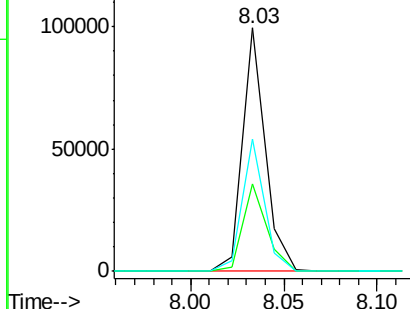
Tot Ion	Ratio	Lower	Upper
82	100		
128	35.8	30.0	45.0
54	54.2	46.4	69.6

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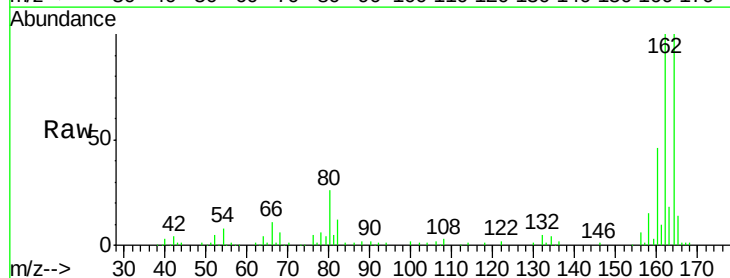


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

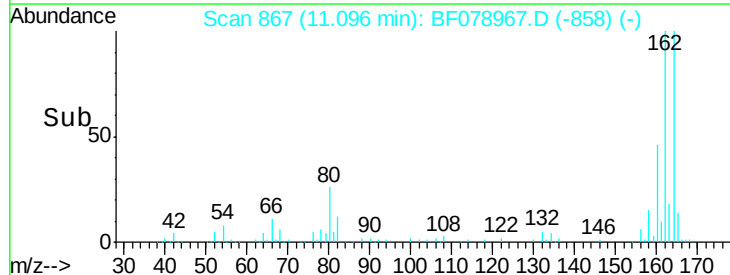
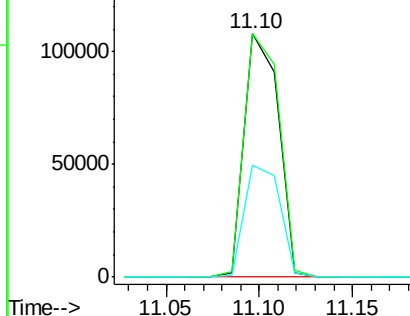


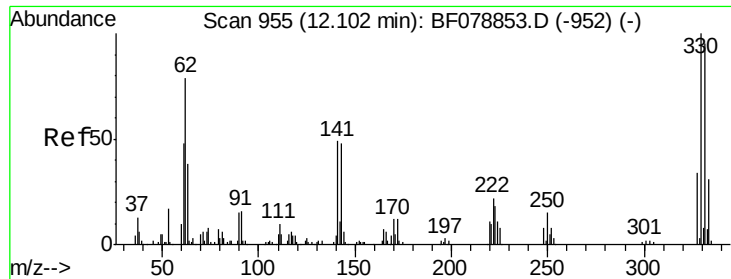
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	82.7	124.1
160	46.0	35.8	53.8



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





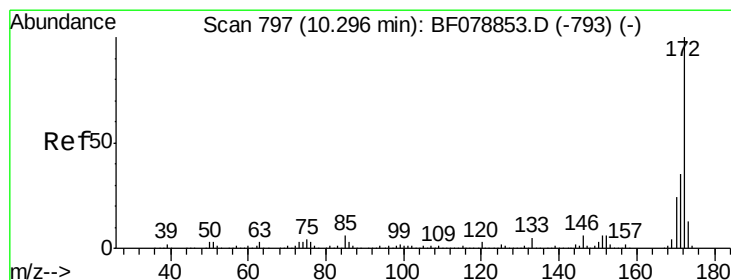
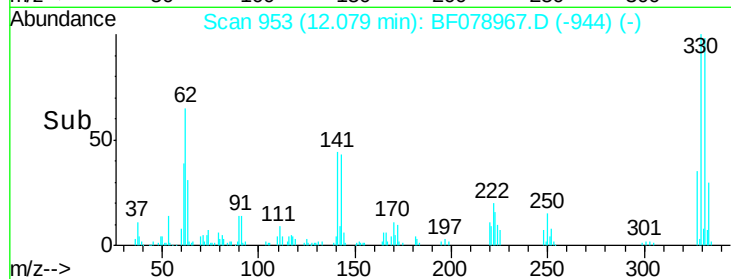
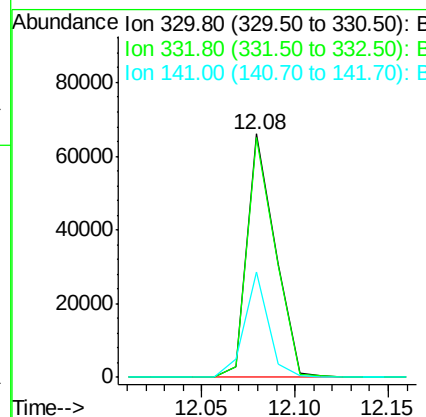
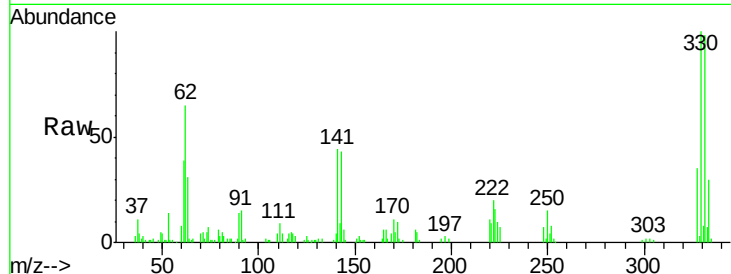
#41
 2,4,6-Tribromophenol
 Concen: 46.03 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Instrument :
 BNA_F
 ClientSampleId :
 GRID-4(6-12)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	69248		
332	98.7	0.0	0.0	0.0
141	37.5	0.0	0.0	0.0

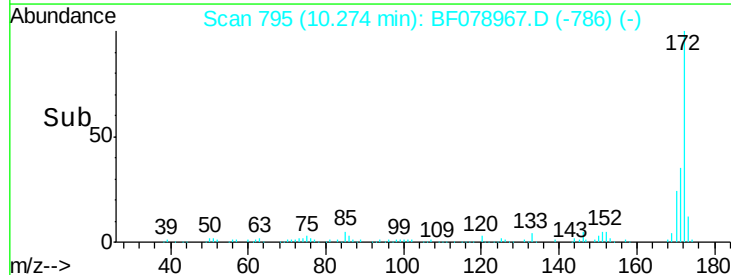
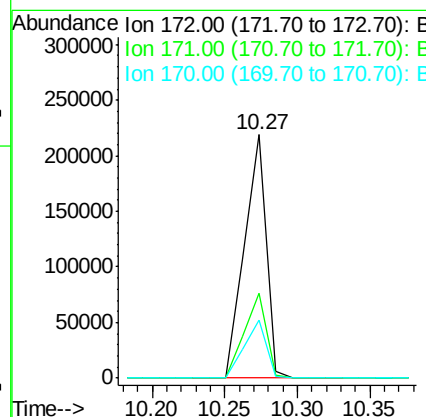
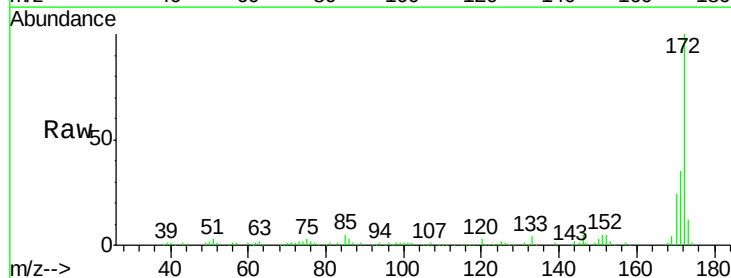
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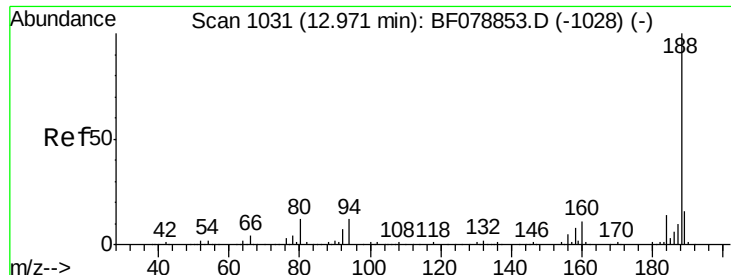
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#44
 2-Fluorobiphenyl
 Concen: 23.01 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	229644		
171	35.1	27.9	41.9	
170	23.6	19.4	29.0	





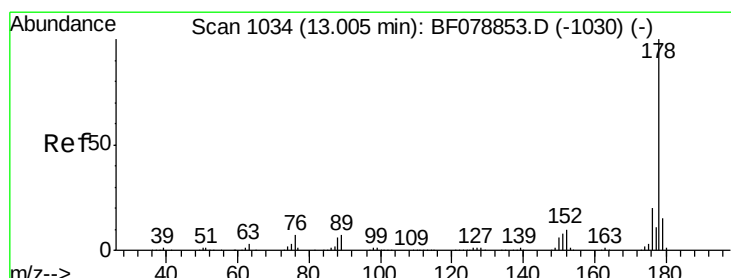
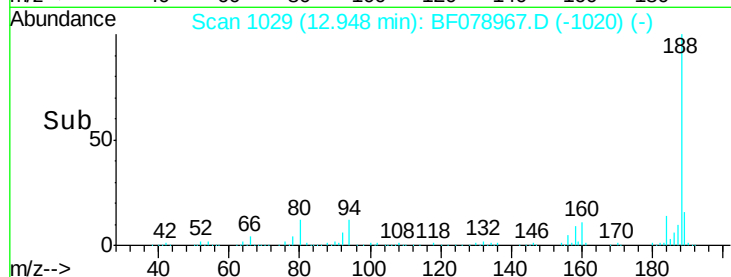
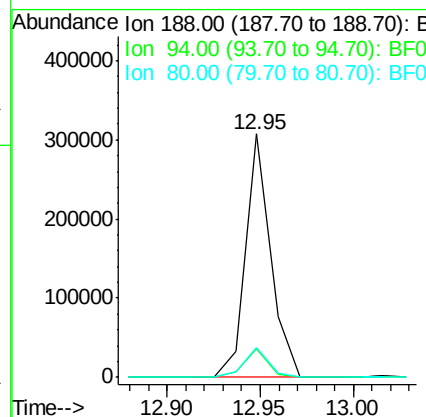
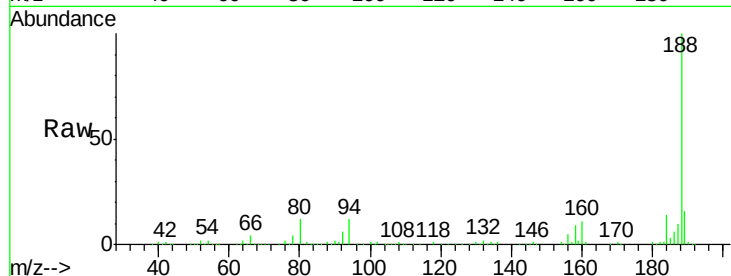
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.95 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF078967.D
Acq: 6 May 2015 18:28

Instrument :
BNA_F
ClientSampleId :
GRID-4(6-12)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	287122		
94	11.7	8.2	12.2	
80	12.2	8.9	13.3	

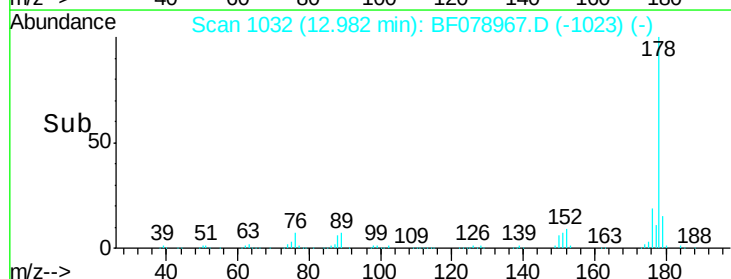
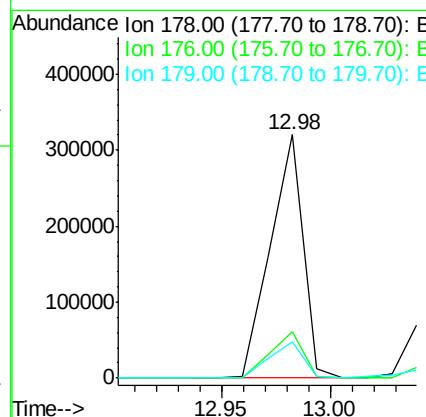
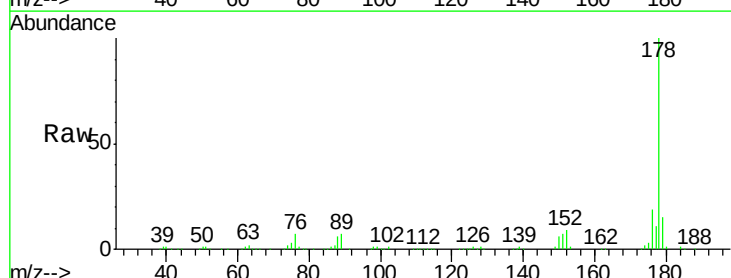
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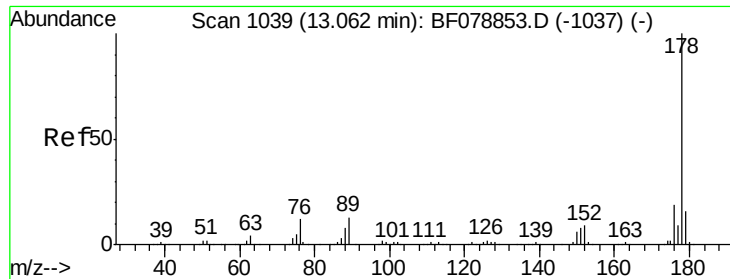
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#70
Phenanthrene
Concen: 21.12 ng
RT: 12.98 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF078967.D
Acq: 6 May 2015 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	339188		
176	19.2	15.8	23.8	
179	14.9	12.5	18.7	





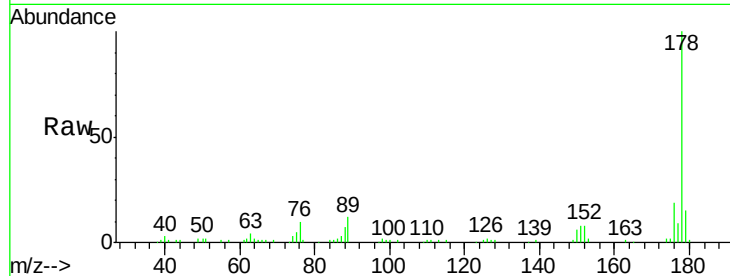
#71
 Anthracene
 Concen: 4.44 ng
 RT: 13.04 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Instrument :
 BNA_F
 ClientSampleId :
 GRID-4(6-12)

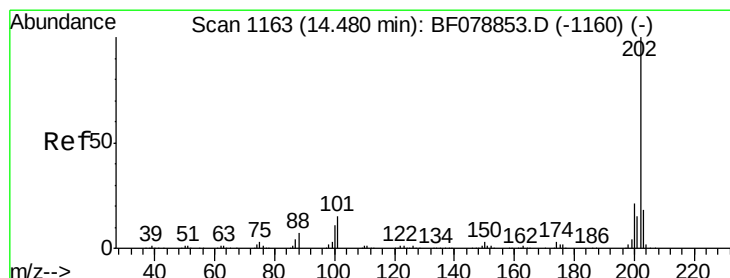
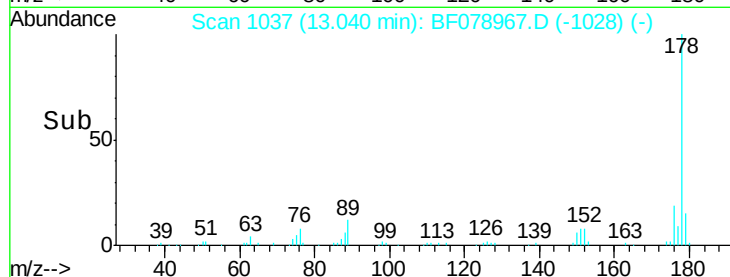
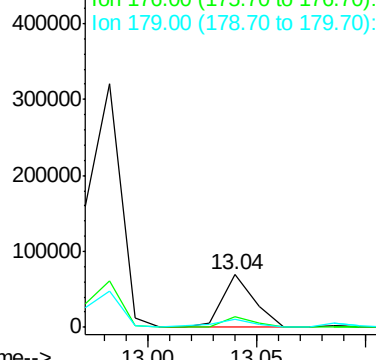
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	14.8	12.7	19.1

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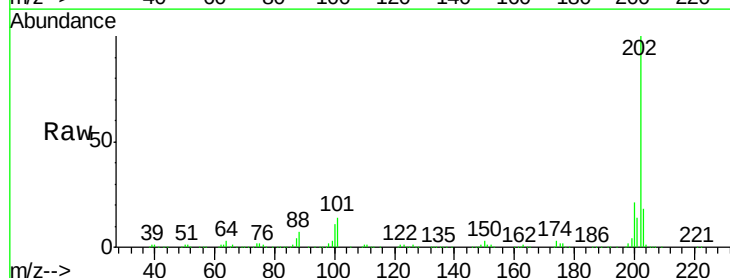


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

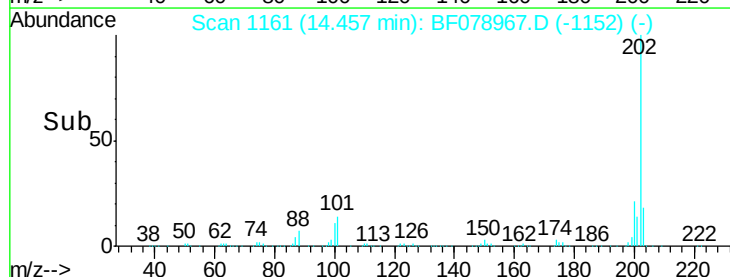
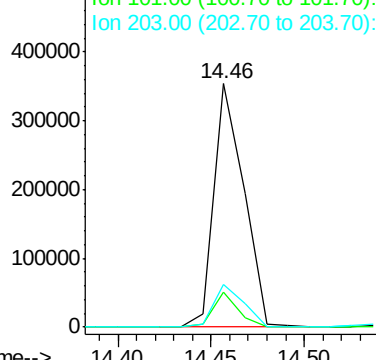


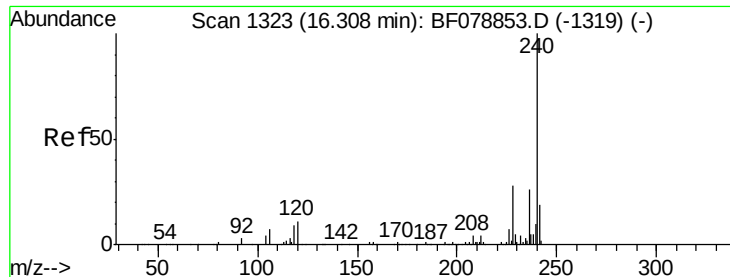
#74
 Fluoranthene
 Concen: 23.49 ng
 RT: 14.46 min Scan# 1161
 Delta R.T. 0.00 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	34.6
203	17.6	0.0	38.4



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: 16.25 min Scan# 1318

Delta R.T. -0.06 min

Lab File: BF078967.D

Acq: 6 May 2015 18:28

Instrument :

BNA_F

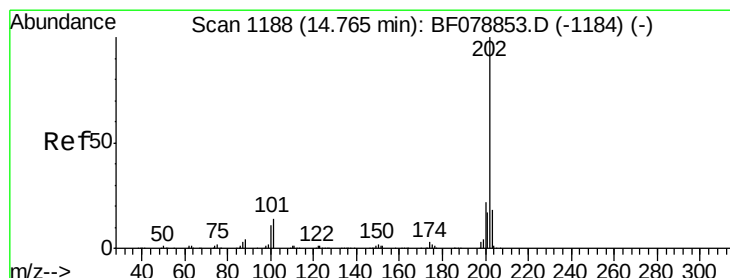
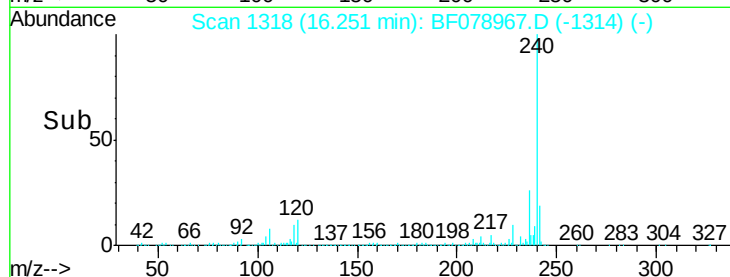
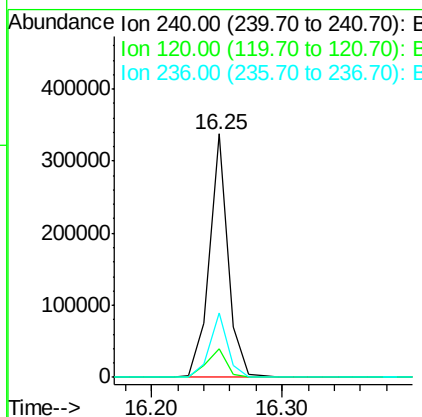
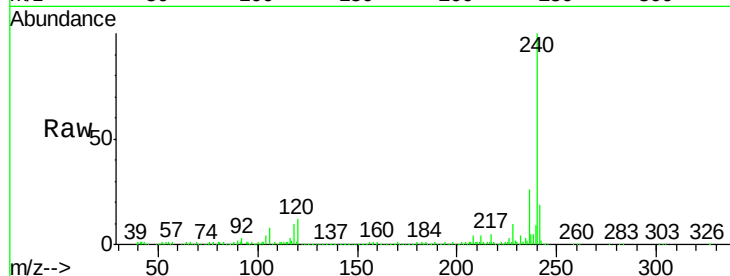
ClientSampleId :

GRID-4(6-12)

Tot Ion:	240	Resp:	334606
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.7	14.5
236	26.4	20.2	30.4

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#77

Pyrene

Concen: 19.77 ng m

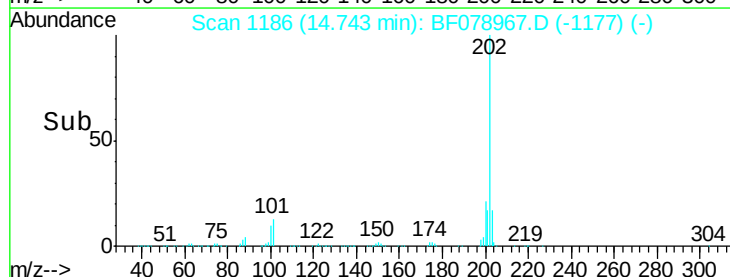
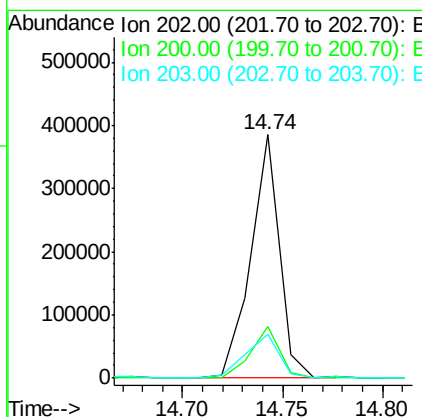
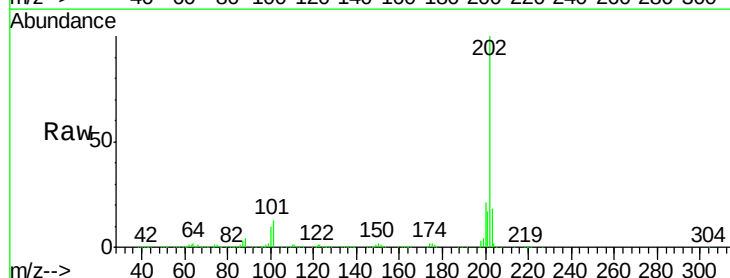
RT: 14.74 min Scan# 1186

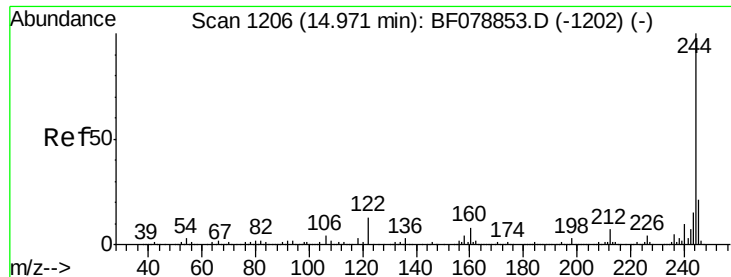
Delta R.T. 0.00 min

Lab File: BF078967.D

Acq: 6 May 2015 18:28

Tgt Ion:	202	Resp:	381124
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.5	26.3
203	17.9	13.9	20.9





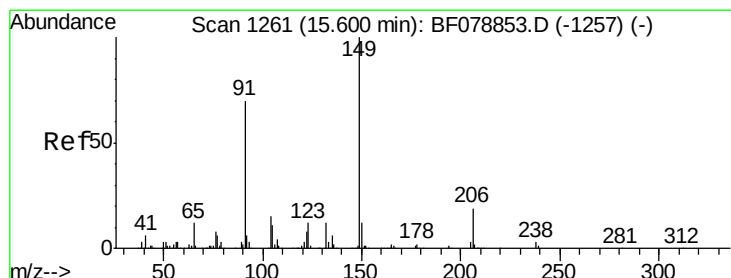
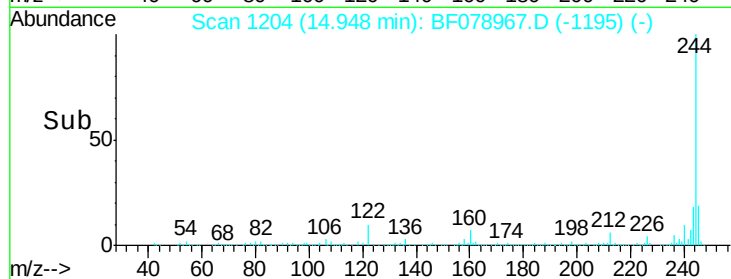
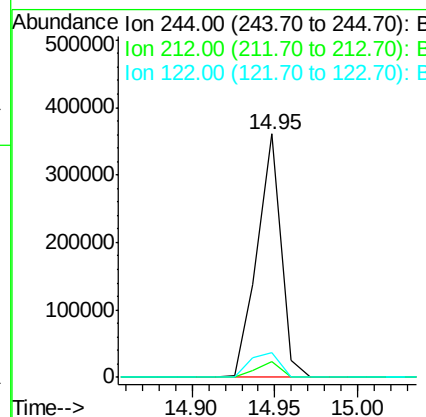
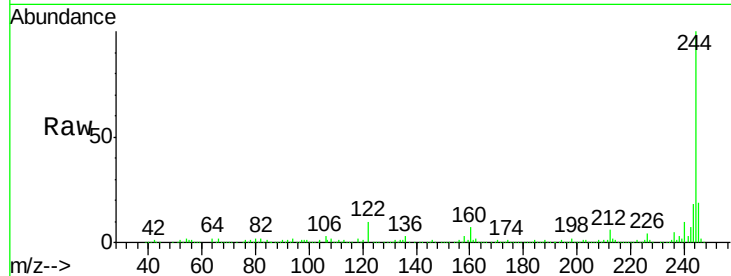
#78
 Terphenyl-d14
 Concen: 25.95 ng/mL
 RT: 14.95 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Instrument :
 BNA_F
 ClientSampleID :
 GRID-4(6-12)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	9.9	10.3	15.5

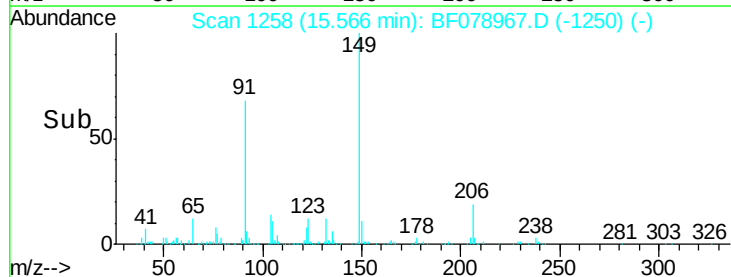
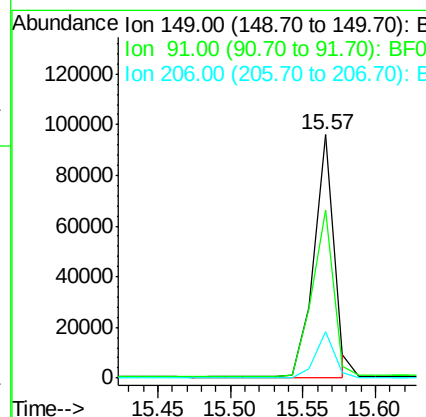
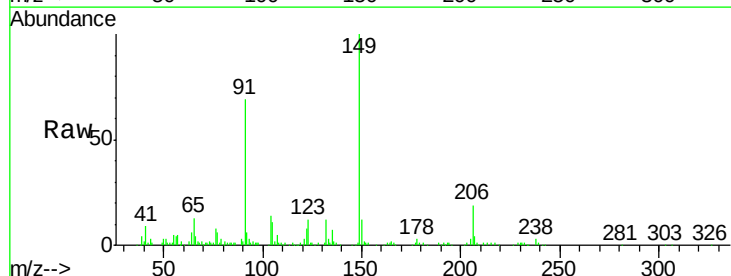
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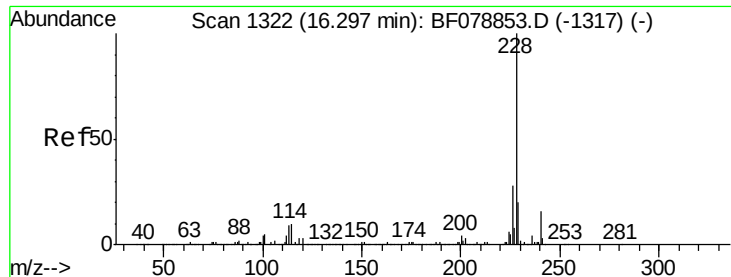
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#79
 Butylbenzylphthalate
 Concen: 10.83 ng/mL
 RT: 15.57 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.9	64.6	97.0
206	19.2	12.2	18.4





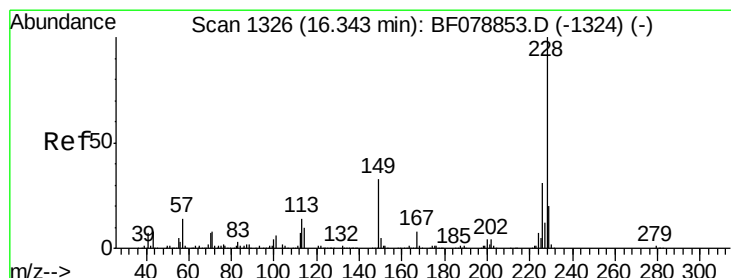
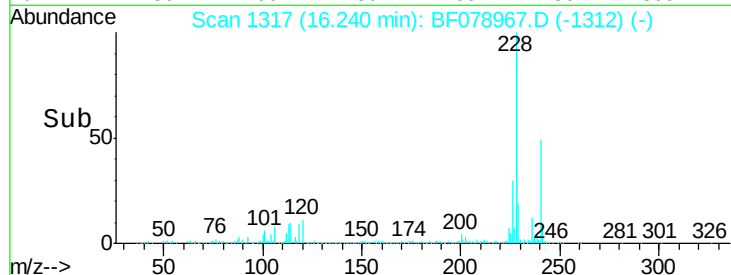
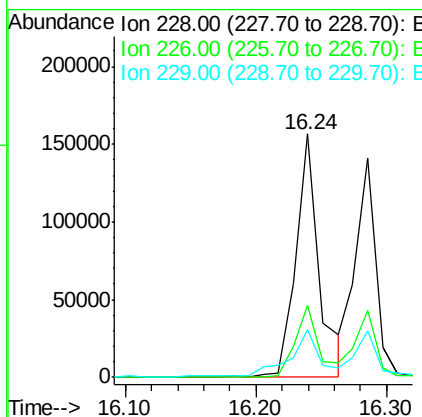
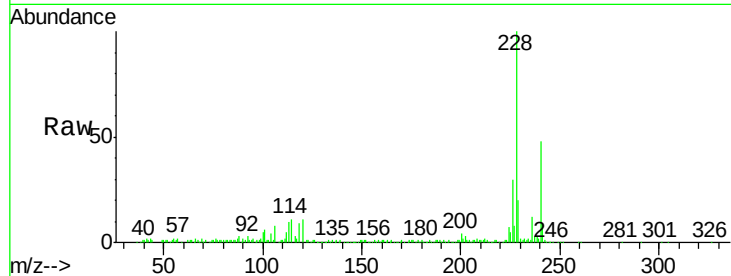
#80
Benzo(a)anthracene
Concen: 10.58 ng
RT: 16.24 min Scan# 1317
Delta R.T. -0.05 min
Lab File: BF078967.D
Acq: 6 May 2015 18:28

Instrument :
BNA_F
ClientSampleId :
GRID-4(6-12)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		193914		
226	29.9	22.6	33.8		
229	19.7	15.9	23.9		

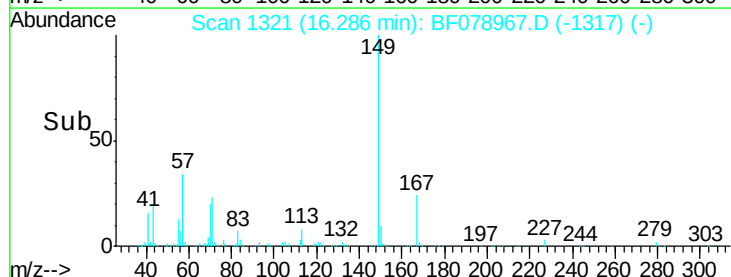
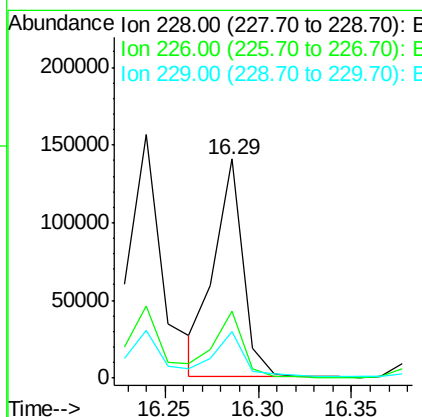
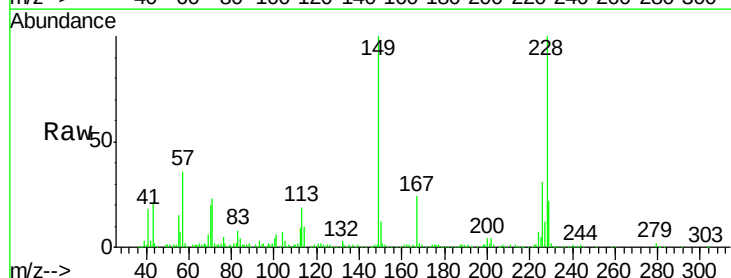
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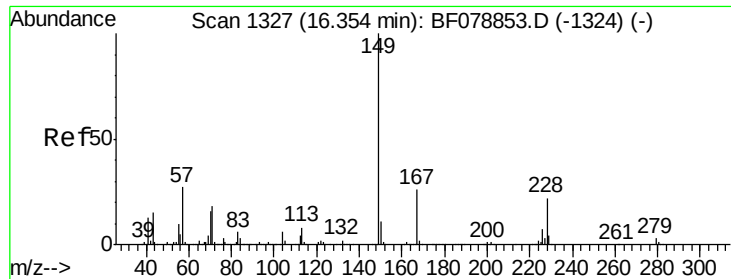
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#82
Chrysene
Concen: 8.56 ng
RT: 16.29 min Scan# 1321
Delta R.T. -0.06 min
Lab File: BF078967.D
Acq: 6 May 2015 18:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		150911		
226	30.7	24.9	37.3		
229	21.5	16.0	24.0		





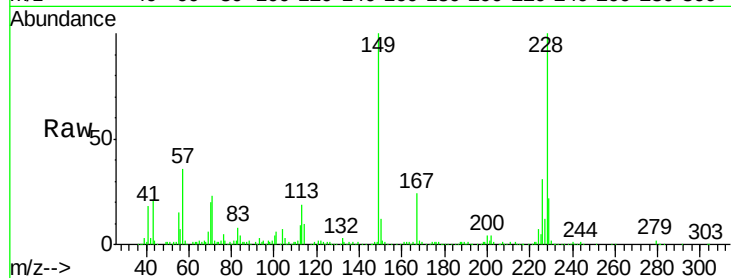
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 13.67 ng
 RT: 16.29 min Scan# 1321
 Delta R.T. -0.07 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Instrument :
 BNA_F
 ClientSampleId :
 GRID-4(6-12)

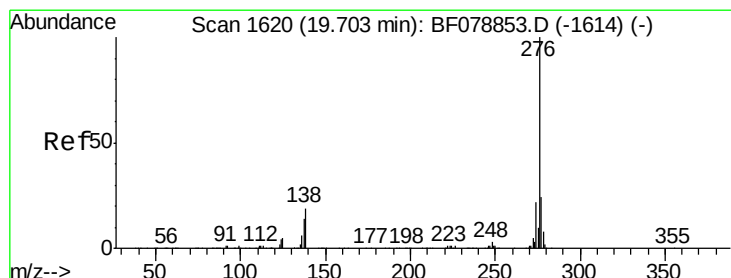
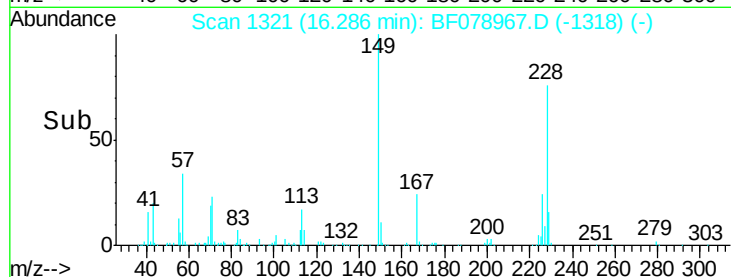
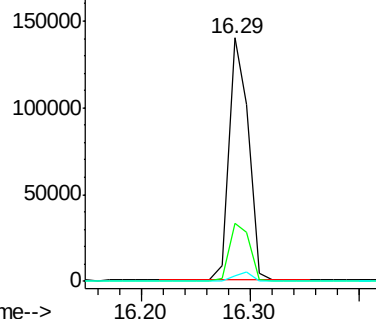
Tot Ion	Ratio	Resp	Lower	Upper
149	100	174517		
167	23.8	21.8	32.8	
279	2.1	2.9	4.3#	

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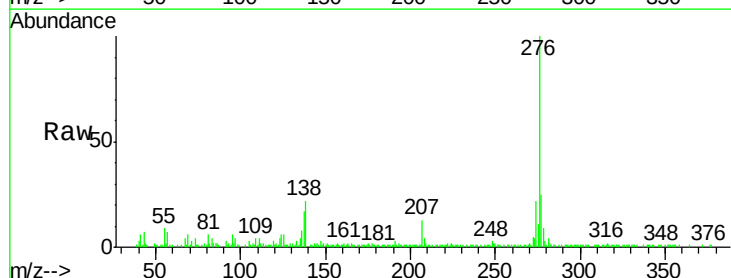


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

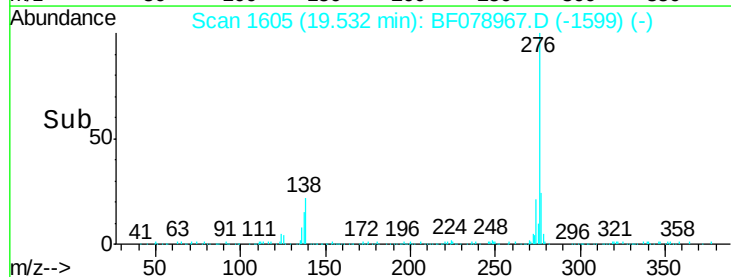
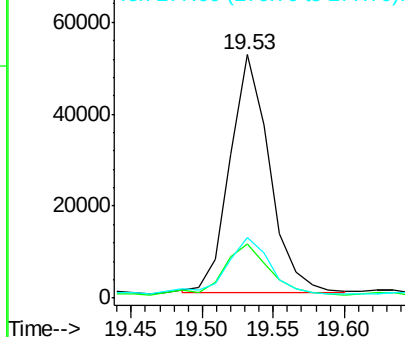


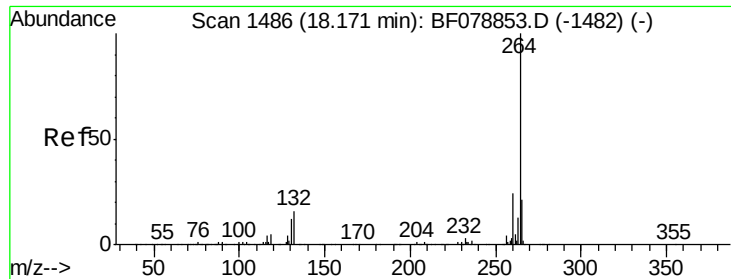
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.46 ng m
 RT: 19.53 min Scan# 1605
 Delta R.T. -0.23 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	100134		
138	3.5	0.0	0.0#	
277	2.4	0.0	0.0#	



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





#86

Pervlene-d12

Concen: 20.00 ng

RT: 18.03 min Scan# 1474

Delta R.T. -0.19 min

Lab File: BF078967.D

Acq: 6 May 2015 18:28

Instrument :

BNA_F

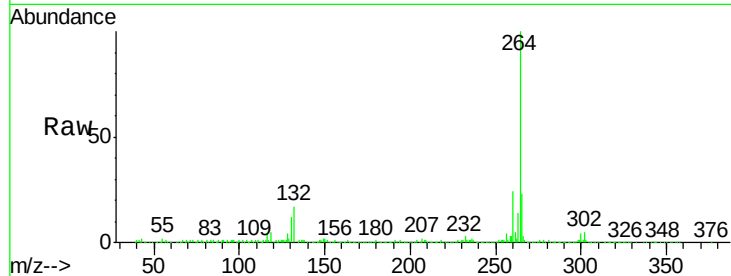
ClientSampleId :

GRID-4(6-12)

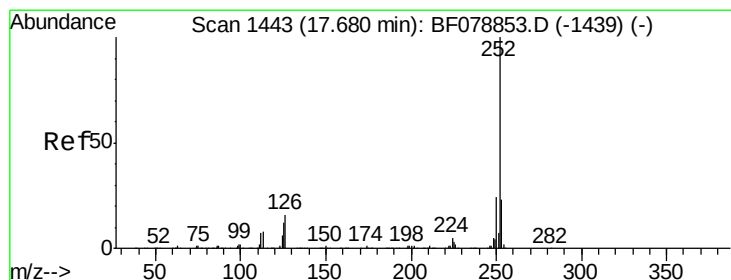
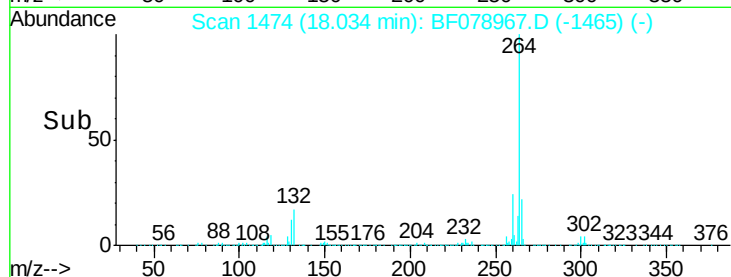
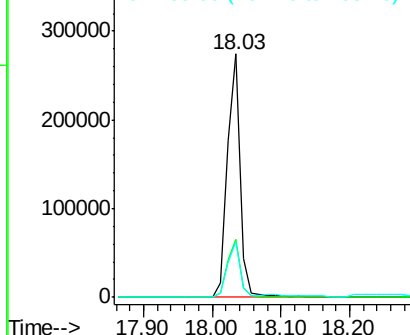
Tot Ion:	264	Resp:	365225
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.4	29.2
265	22.5	18.3	27.5

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



#87

Benzo(b)fluoranthene

Concen: 10.70 ng

RT: 17.57 min Scan# 1433

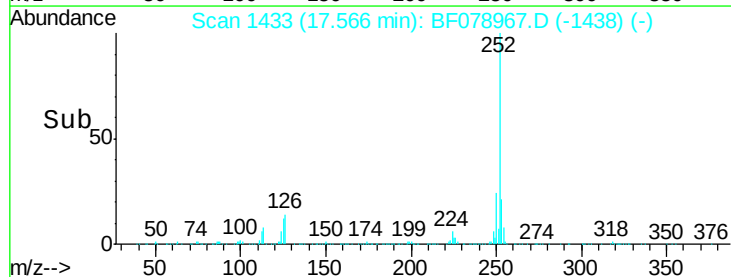
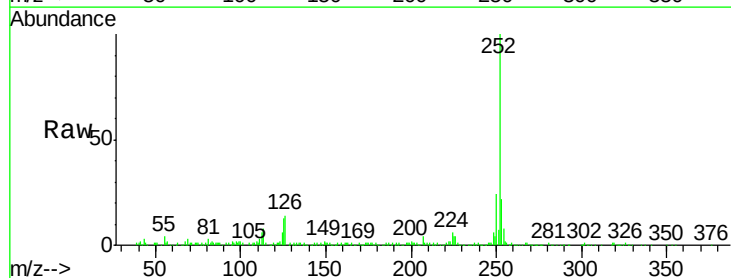
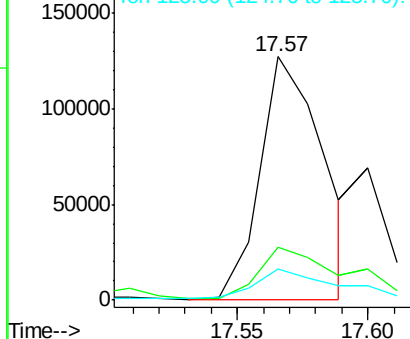
Delta R.T. -0.16 min

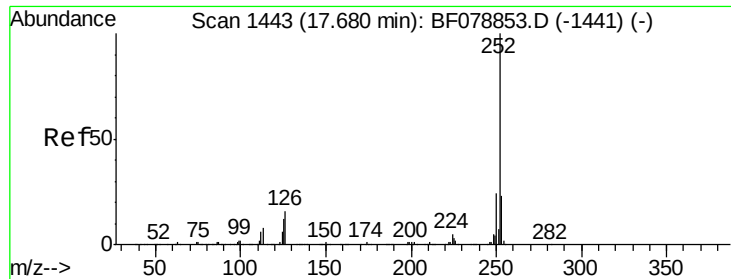
Lab File: BF078967.D

Acq: 6 May 2015 18:28

Tgt Ion:	252	Resp:	213979
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.7	26.5
125	12.9	9.5	14.3

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





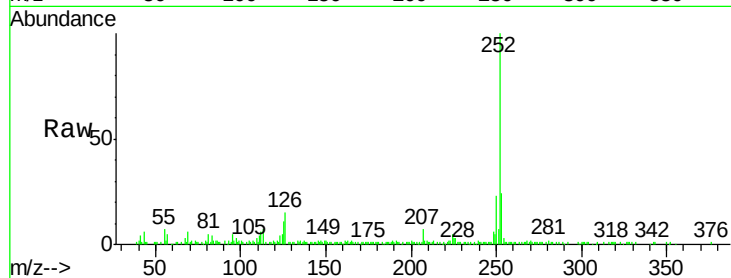
#88
Benzo(k)fluoranthene
Concen: 3.30 ng m
RT: 17.60 min Scan# 1436
Delta R.T. -0.16 min
Lab File: BF078967.D
Acq: 6 May 2015 18:28

Instrument :
BNA_F
ClientSampleId :
GRID-4(6-12)

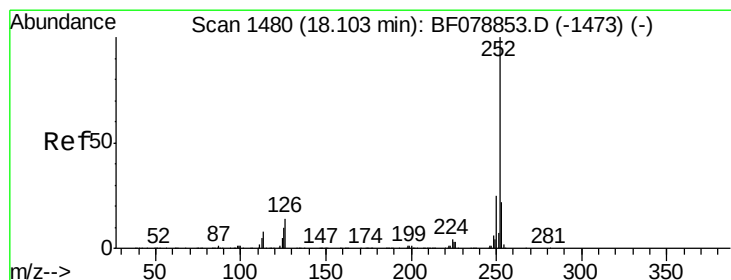
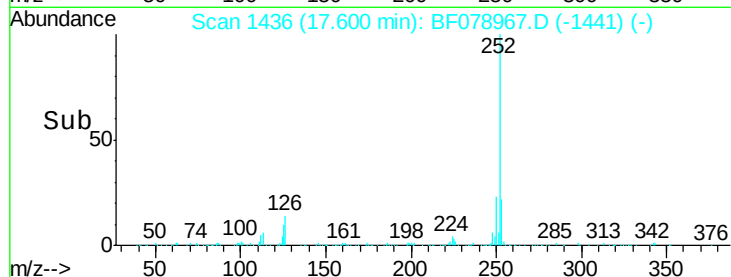
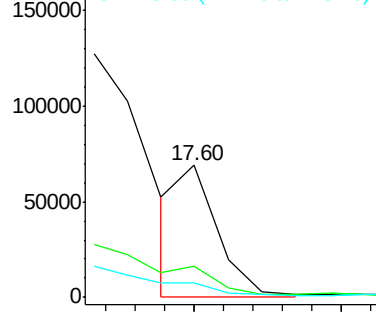
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	11.2	10.0	15.0

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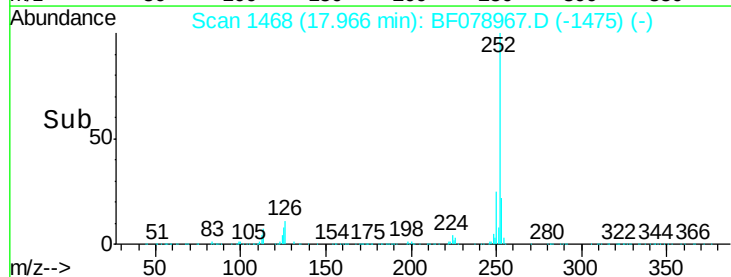
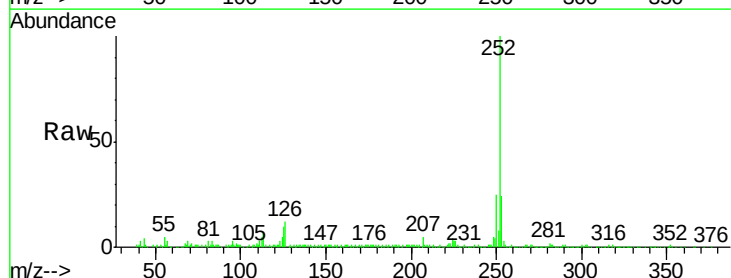
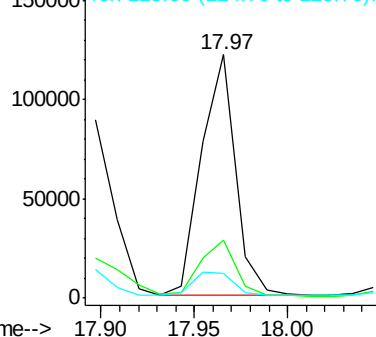
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

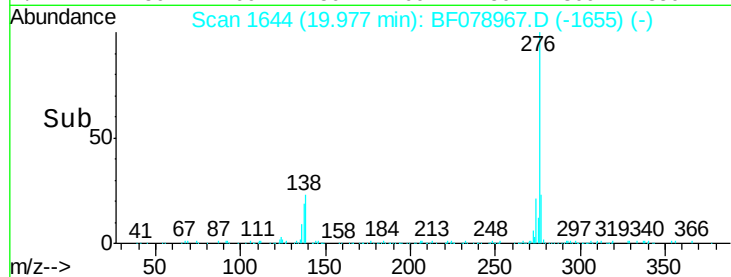
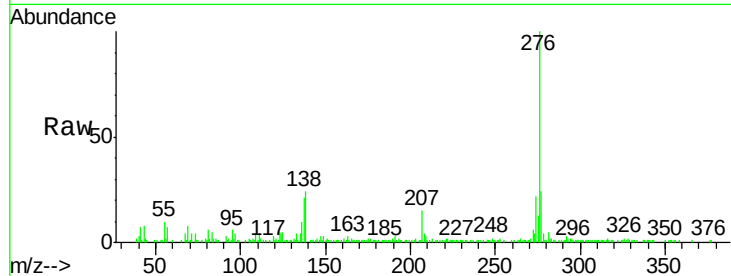
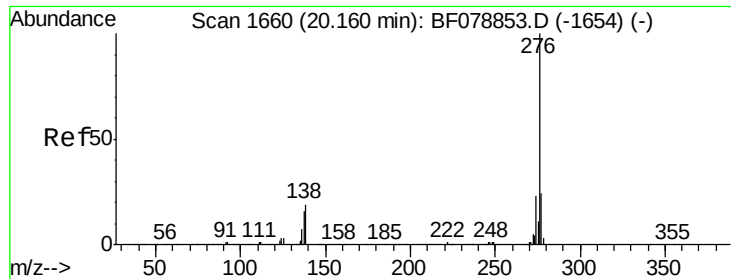


#89
Benzo(a)pyrene
Concen: 8.43 ng
RT: 17.97 min Scan# 1468
Delta R.T. -0.18 min
Lab File: BF078967.D
Acq: 6 May 2015 18:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.3	25.9
125	10.0	7.0	10.6

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





#91
 Benzo(a,h,i)perylene
 Concen: 5.14 ng
 RT: 19.98 min Scan# 1644
 Delta R.T. -0.23 min
 Lab File: BF078967.D
 Acq: 6 May 2015 18:28

Instrument :
 BNA_F
 ClientSampleId :
 GRID-4(6-12)

Tot Ion:	276	Resp:	100711
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.6	28.0
138	24.1	17.4	26.0

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