

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
 Data File : BF079016.D
 Acq On : 8 May 2015 2:46
 Operator : TP/IZ
 Sample : G2114-02DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(6-12)DL

Manual Integrations
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Quant Time: May 08 11:51:51 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 08 04:33:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.34	152	57446	20.00	ng	-0.01
21) Naphthalene-d8	8.91	136	250925	20.00	ng	-0.01
38) Acenaphthene-d10	11.10	164	127300	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	248220	20.00	ng	0.00
75) Chrysene-d12	16.24	240	279545	20.00	ng	-0.01
86) Perylene-d12	17.95	264	297861	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	180549	54.10	ng	0.00
7) Phenol-d6	6.90	99	248453	56.32	ng	0.00
23) Nitrobenzene-d5	8.03	82	136474	31.26	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	72455	52.61	ng	0.00
44) 2-Fluorobiphenyl	10.26	172	292979	32.06	ng	0.00
78) Terphenyl-d14	14.94	244	369184	31.62	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.95	128	51167	4.28	ng	97
37) 2-Methylnaphthalene	9.80	142	22445	2.71	ng	98
51) Acenaphthene	11.13	154	41580	5.38	ng	98
54) Dibenzofuran	11.35	168	69670	6.24	ng	98
57) Fluorene	11.78	166	64995	7.09	ng	99
70) Phenanthrene	12.97	178	773195	55.68	ng	99
71) Anthracene	13.04	178	160472	11.78	ng	98
72) Carbazole	13.25	167	61891	4.77	ng	98
74) Fluoranthene	14.46	202	748276	51.71	ng	96
77) Pyrene	14.74	202	648788	40.28	ng	99
80) Benzo(a)anthracene	16.23	228	326488m	21.33	ng	
82) Chrysene	16.27	228	291365m	19.79	ng	
85) Indeno(1,2,3-cd)pyrene	19.45	276	146070	7.79	ng	# 100
87) Benzo(b)fluoranthene	17.51	252	320957m	19.69	ng	
88) Benzo(k)fluoranthene	17.52	252	129692m	8.22	ng	
89) Benzo(a)pyrene	17.89	252	235708	15.70	ng	98
90) Dibenzo(a,h)anthracene	19.46	278	37147	2.33	ng	# 88
91) Benzo(g,h,i)perylene	19.89	276	131546	8.23	ng	96

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

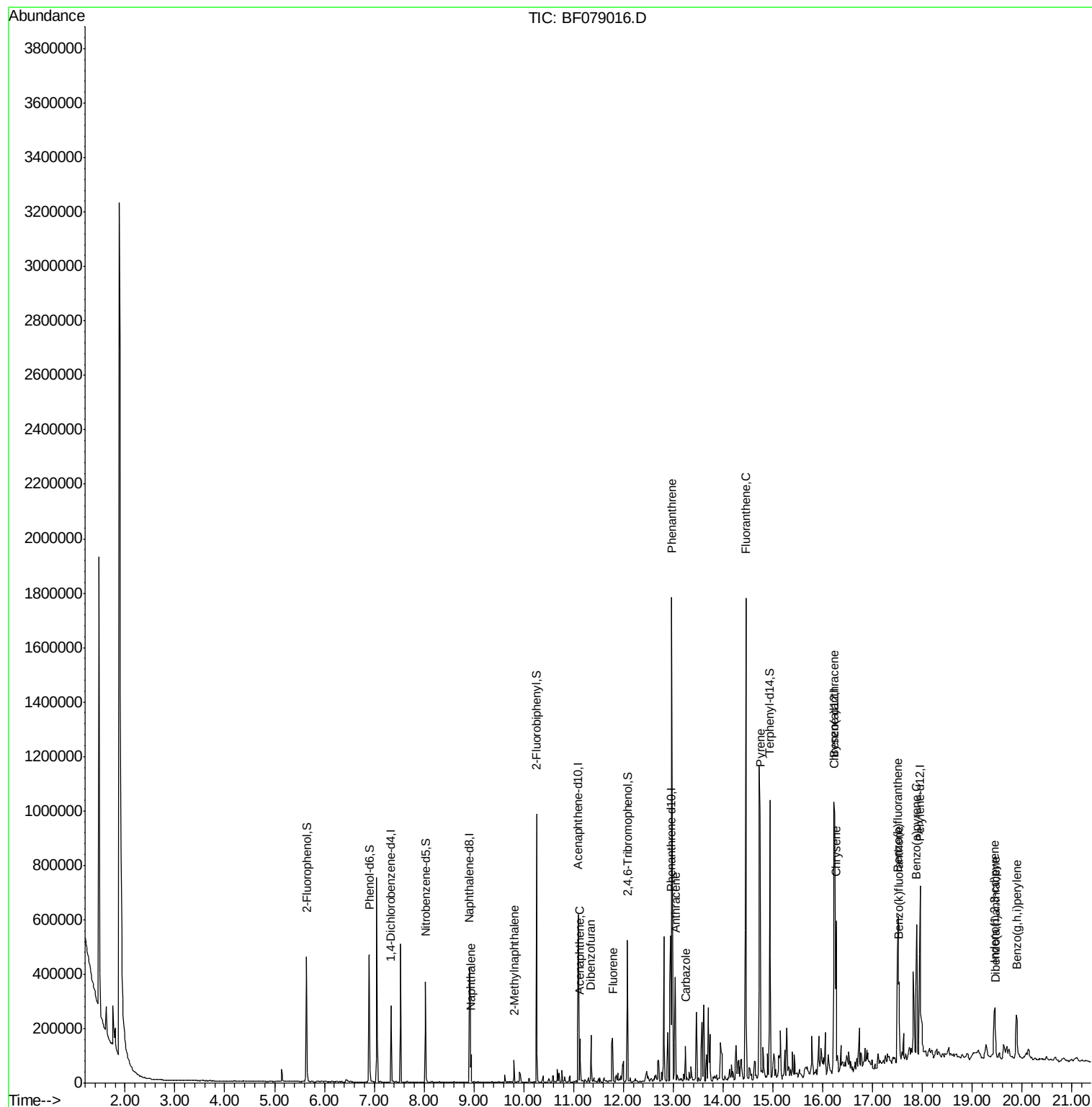
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050715\
Data File : BF079016.D
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Sample : G2114-02DL 2X
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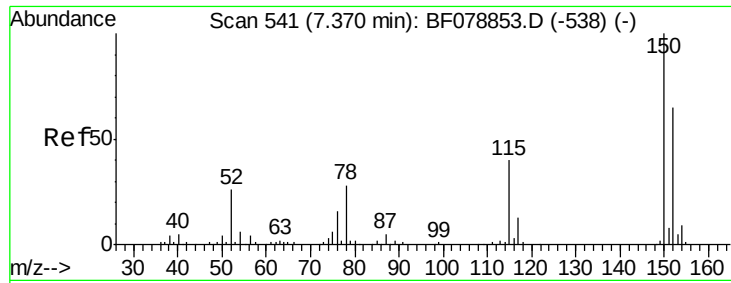
Instrument :
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ClientSampleId :
GRID-1(6-12)DL

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Quant Time: May 08 11:51:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 08 04:33:44 2015
Response via : Initial Calibration





#1

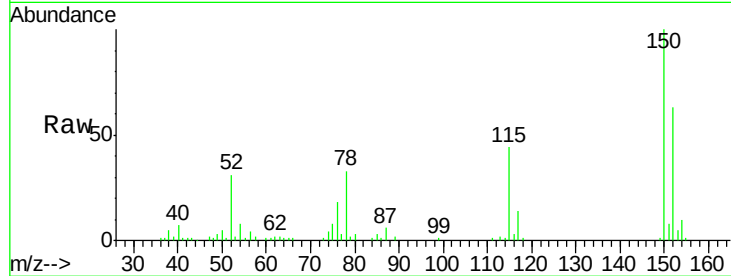
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.34 min Scan# 538
Delta R.T. -0.01 min
Lab File: BF079016.D
Acq: 8 May 2015 2:46

Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)DL

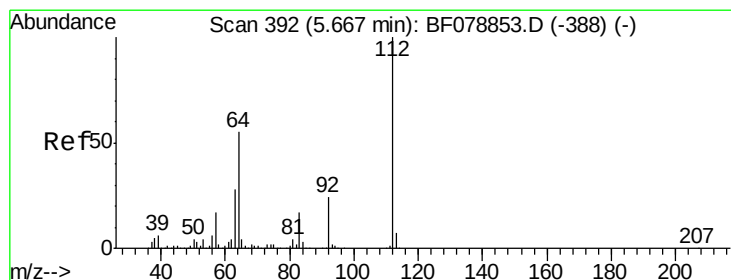
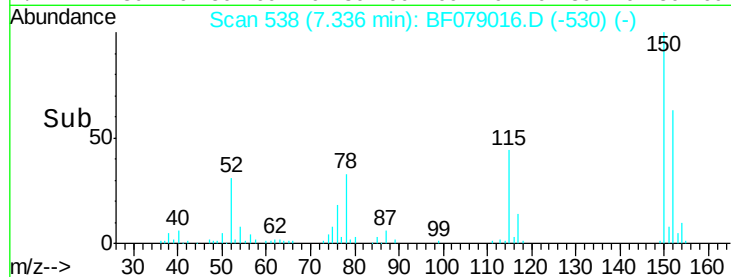
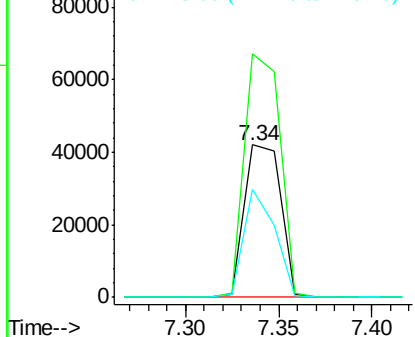
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	122.0	183.0
115	70.7	46.3	69.5

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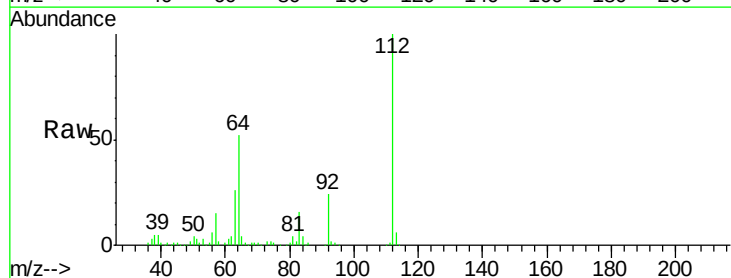
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



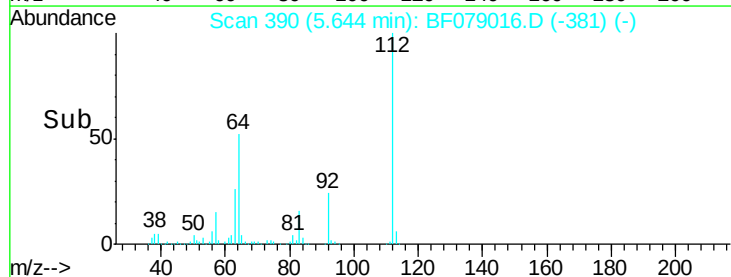
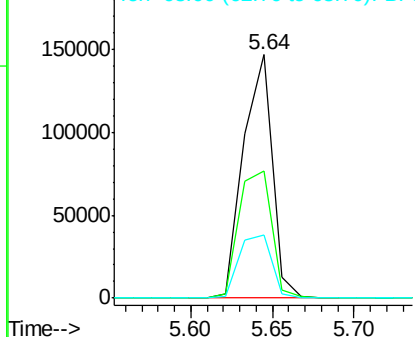
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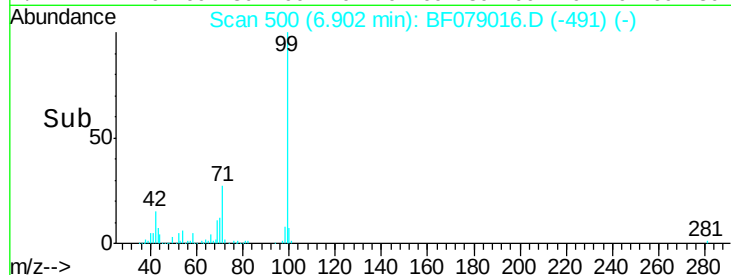
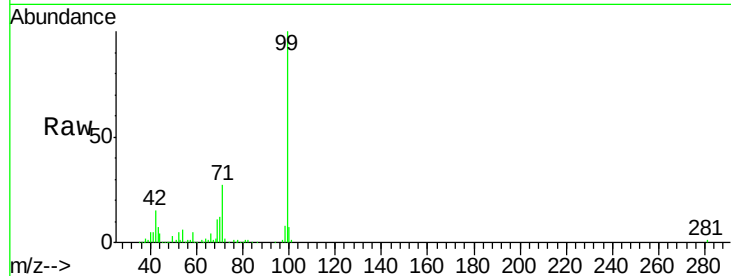
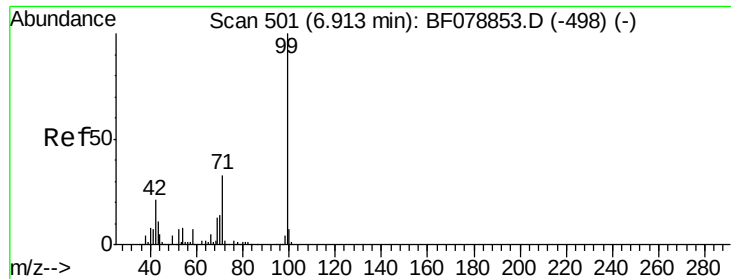
2-Fluorophenol
Concen: 54.10 ng
RT: 5.64 min Scan# 390
Delta R.T. 0.00 min
Lab File: BF079016.D
Acq: 8 May 2015 2:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	53.5	80.3
63	25.7	27.5	41.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 56.32 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF079016.D

Acq: 8 May 2015 2:46

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		248453		
42	14.6	12.8	19.2		
71	26.8	23.4	35.2		

Instrument :

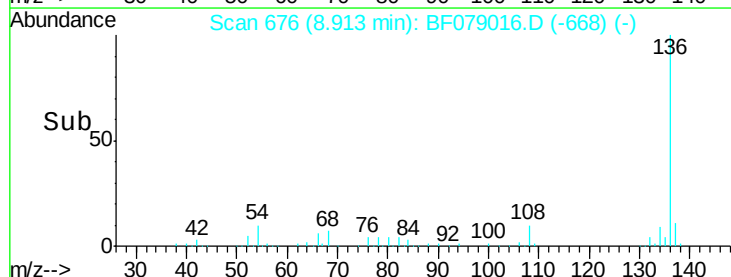
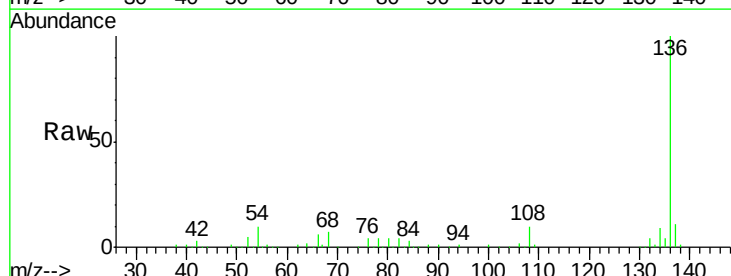
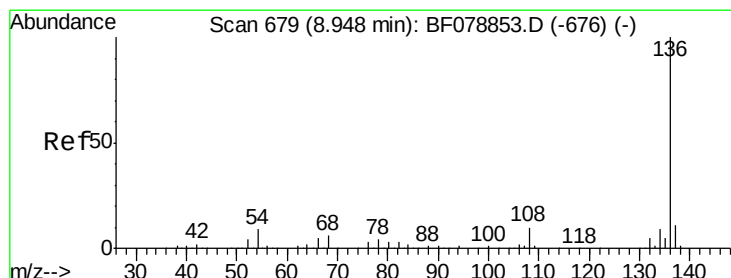
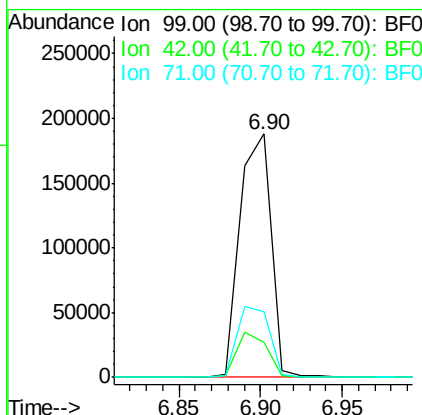
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#21

Naphthalene-d8

Concen: 20.00 ng

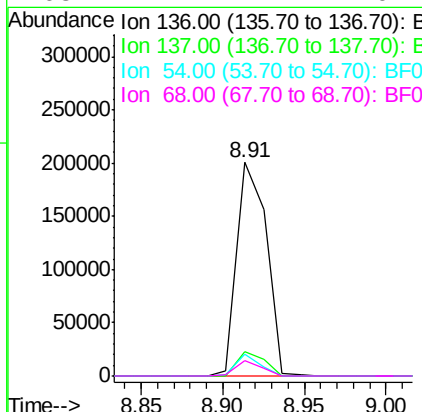
RT: 8.91 min Scan# 676

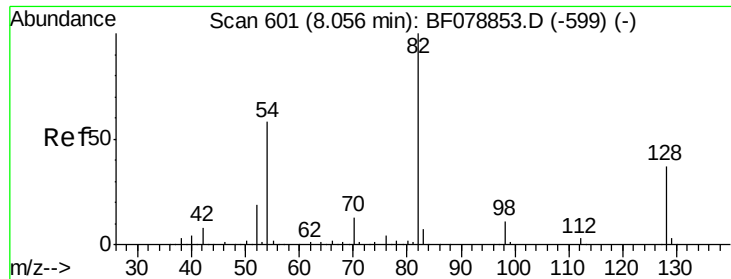
Delta R.T. -0.01 min

Lab File: BF079016.D

Acq: 8 May 2015 2:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		250925		
137	11.4	8.7	13.1		
54	10.2	5.8	8.8#		
68	7.4	4.2	6.4#		





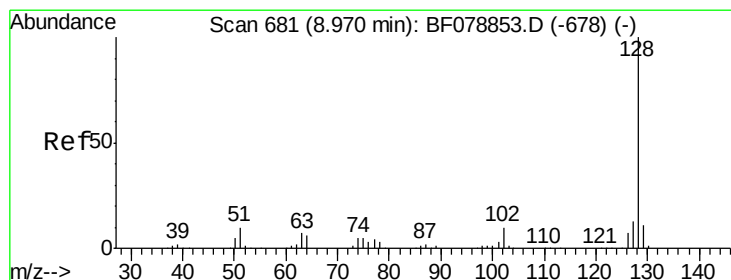
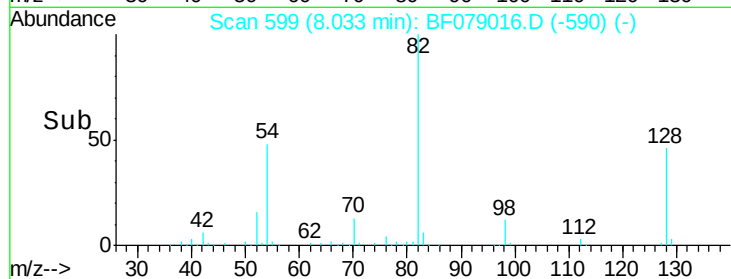
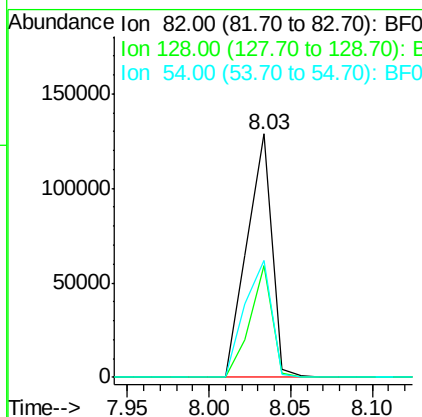
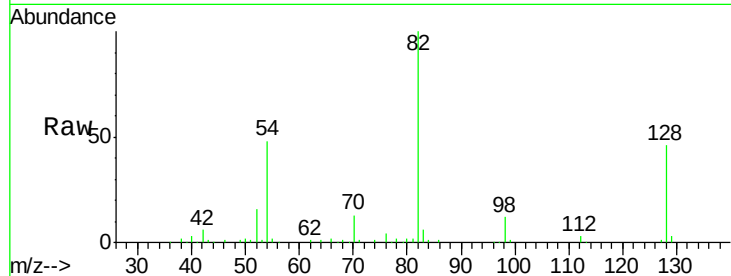
#23
 Nitrobenzene-d5
 Concen: 31.26 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF079016.D
 Acq: 8 May 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(6-12)DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.1	30.0	45.0#	
54	48.1	46.4	69.6	

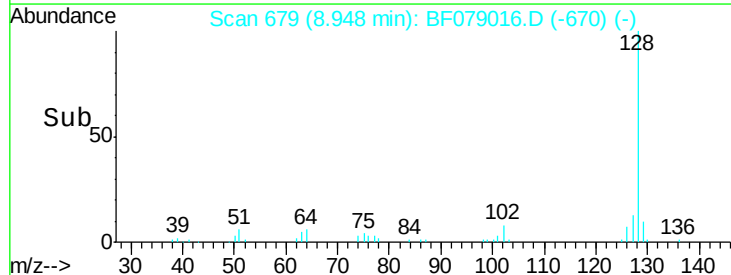
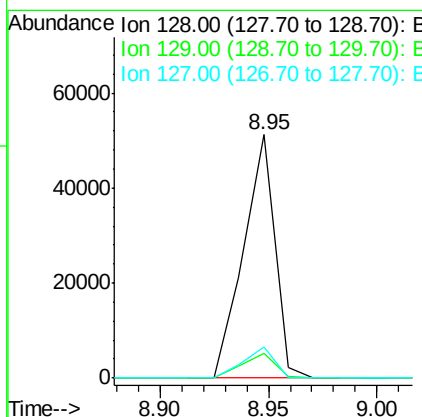
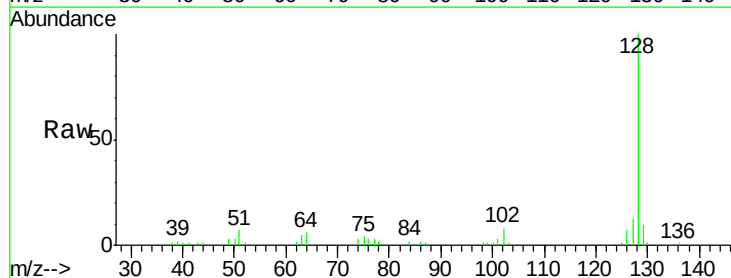
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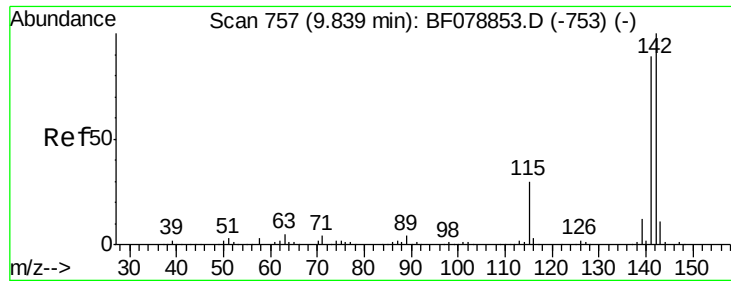
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#31
 Naphthalene
 Concen: 4.28 ng
 RT: 8.95 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: BF079016.D
 Acq: 8 May 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.2	9.3	13.9	
127	12.7	10.7	16.1	





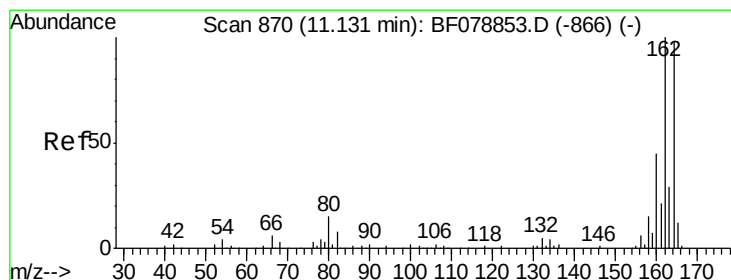
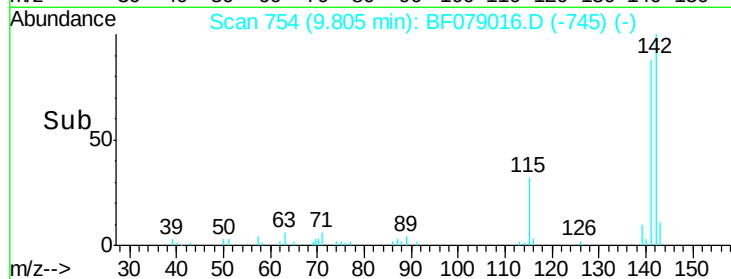
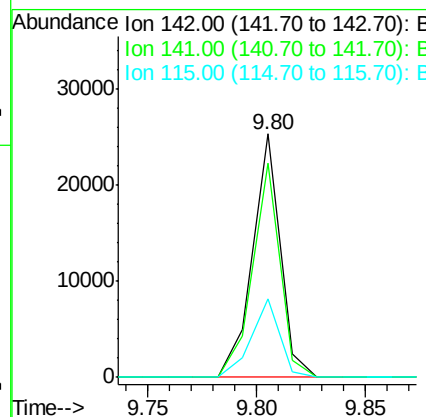
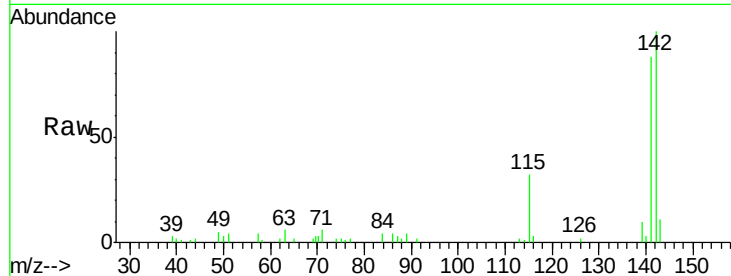
#37
2-Methylnaphthalene
Concen: 2.71 ng
RT: 9.80 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF079016.D
Acq: 8 May 2015 2:46

Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.9	106.3
115	32.4	28.5	42.7

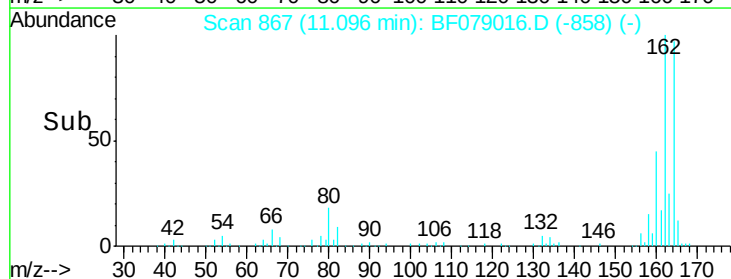
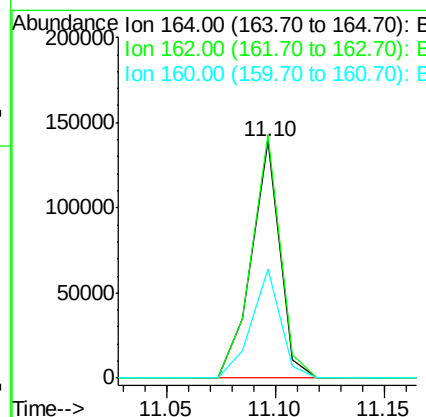
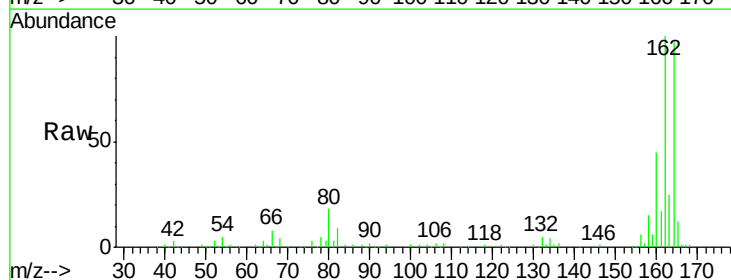
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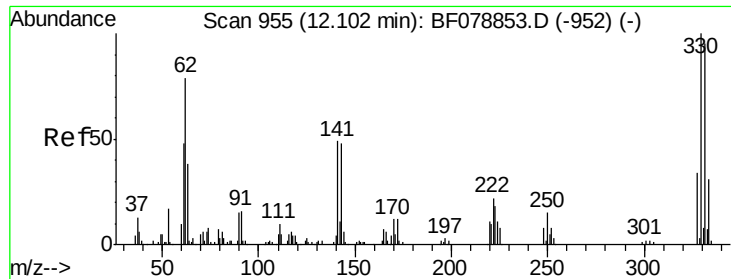
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 867
Delta R.T. 0.00 min
Lab File: BF079016.D
Acq: 8 May 2015 2:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.7	124.1
160	46.2	35.8	53.8





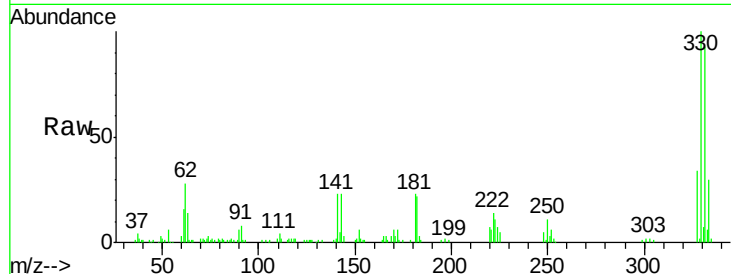
#41
 2,4,6-Tribromophenol
 Concen: 52.61 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF079016.D
 Acq: 8 May 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(6-12)DL

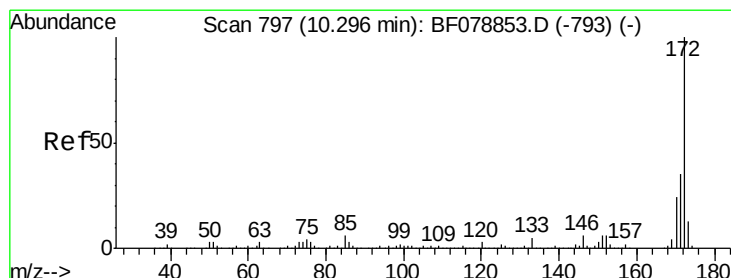
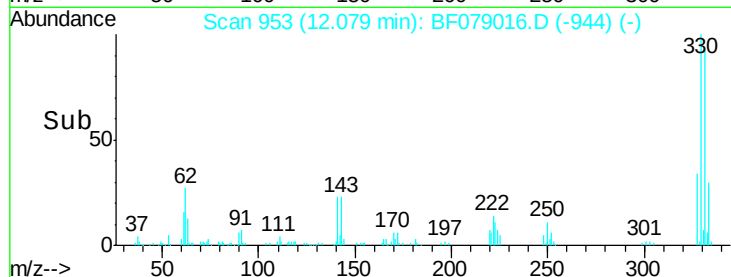
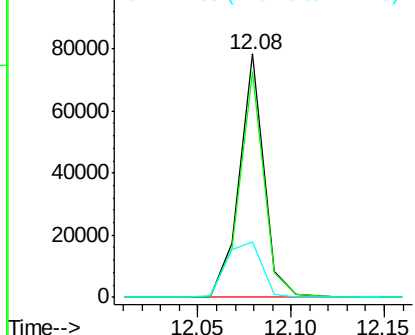
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	93.0	0.0	0.0#
141	33.4	0.0	0.0#

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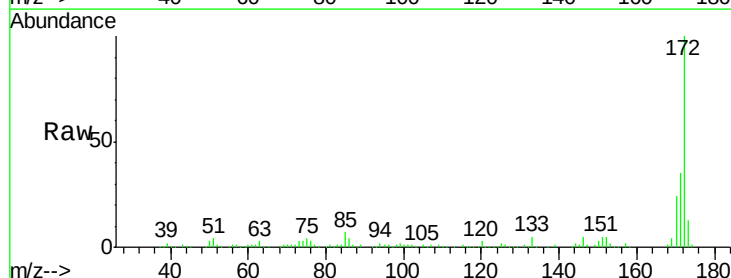


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

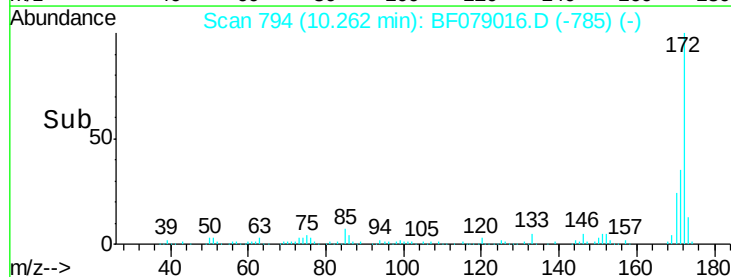
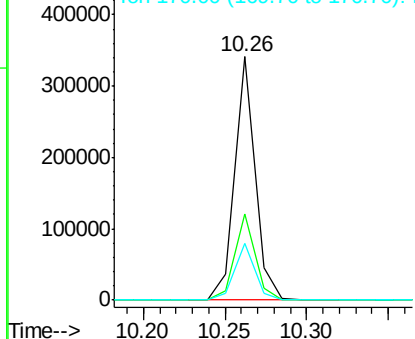


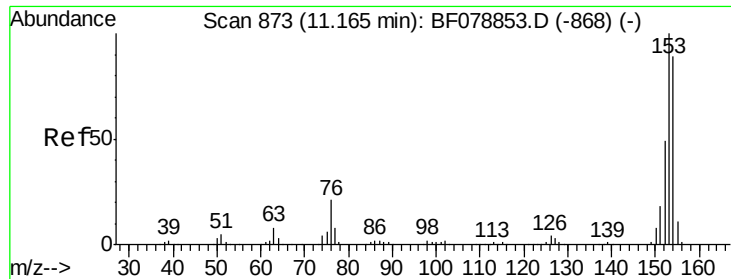
#44
 2-Fluorobiphenyl
 Concen: 32.06 ng
 RT: 10.26 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: BF079016.D
 Acq: 8 May 2015 2:46

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.2	27.9	41.9
170	23.5	19.4	29.0



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





#51

Acenaphthene

Concen: 5.38 ng

RT: 11.13 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF079016.D

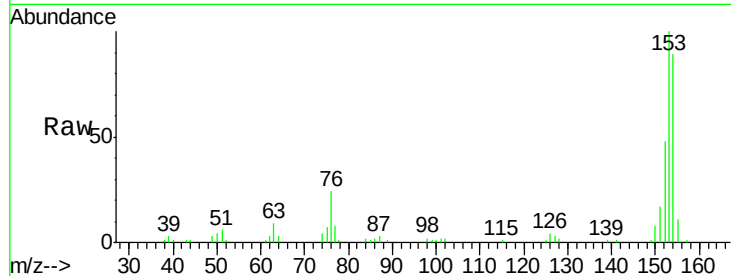
Acq: 8 May 2015 2:46

Instrument :

BNA_F

ClientSampleId :

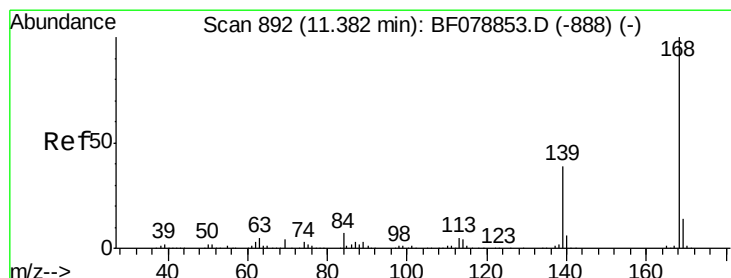
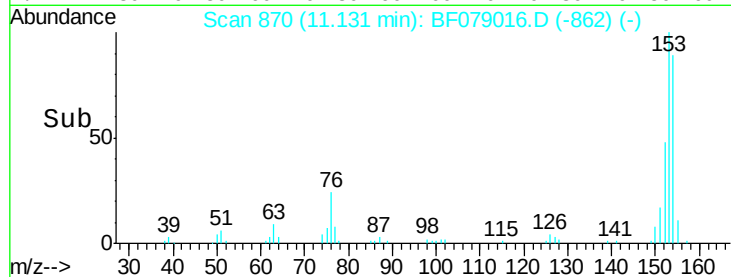
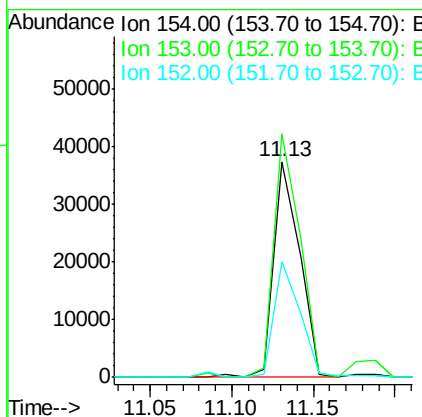
GRID-1(6-12)DL



Tot Ion:	154	Resp:	41580
Ion	Ratio	Lower	Upper
154	100		
153	112.7	91.5	137.3
152	53.8	44.2	66.4

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#54

Dibenzofuran

Concen: 6.24 ng

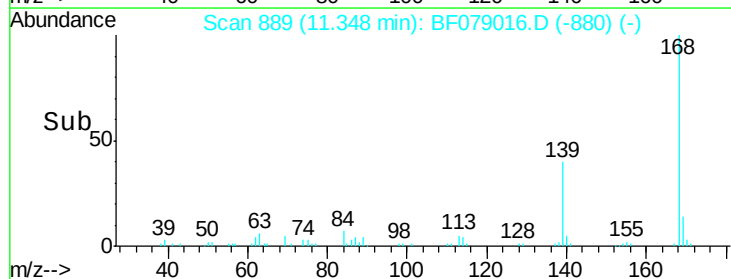
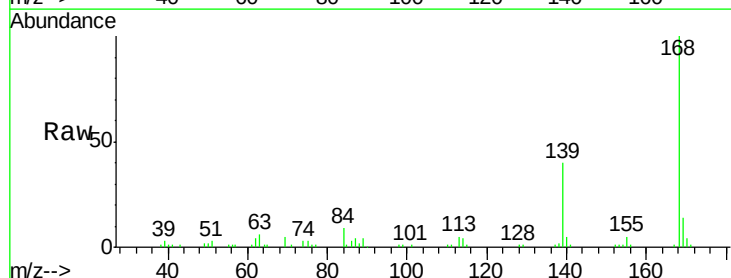
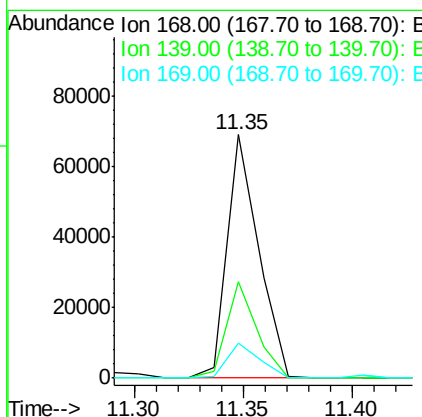
RT: 11.35 min Scan# 889

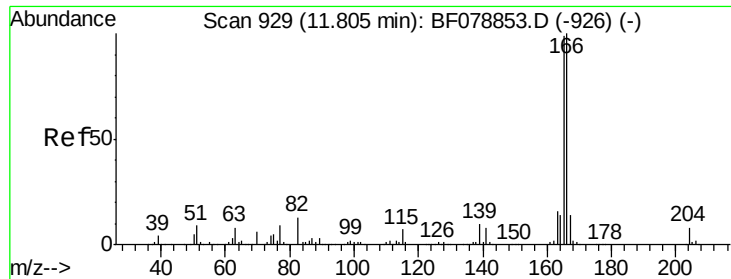
Delta R.T. 0.00 min

Lab File: BF079016.D

Acq: 8 May 2015 2:46

Tgt Ion:	168	Resp:	69670
Ion	Ratio	Lower	Upper
168	100		
139	39.9	31.0	46.4
169	14.2	10.6	16.0





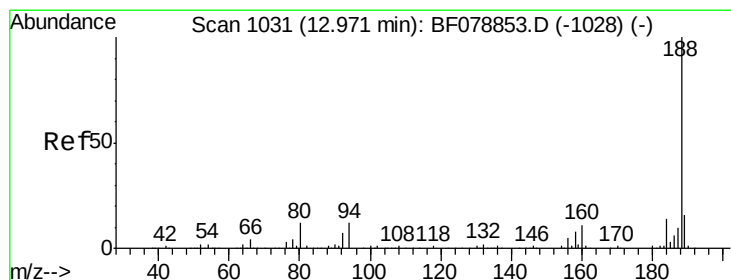
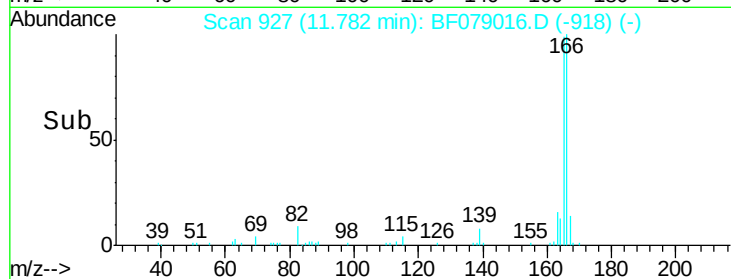
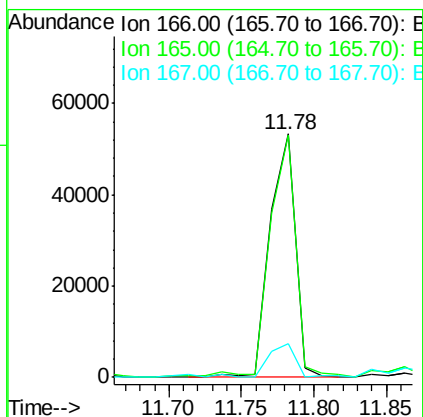
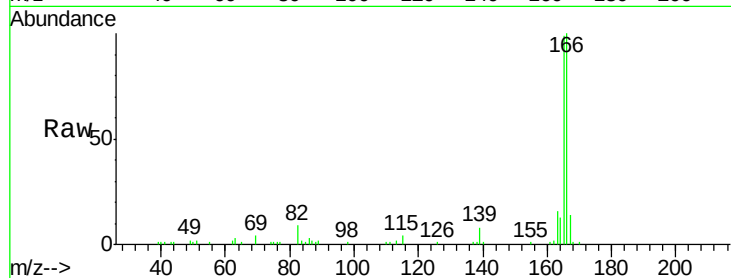
#57
 Fluorene
 Concen: 7.09 ng
 RT: 11.78 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BF079016.D
 Acq: 8 May 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(6-12)DL

Tot Ion	Ratio	Resp	Lower	Upper
166	100	64995		
165	99.4	78.5	117.7	
167	13.6	11.0	16.6	

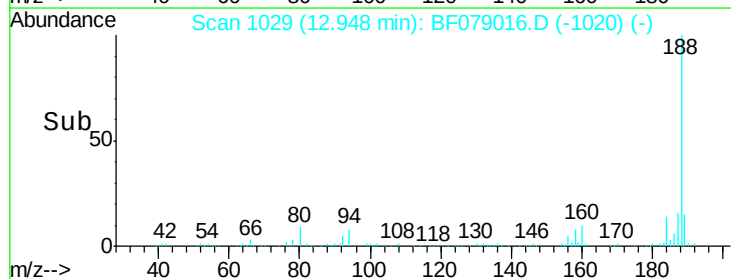
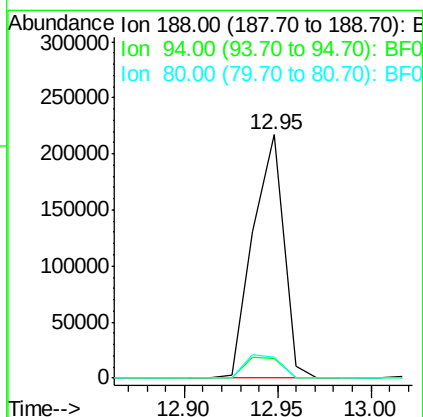
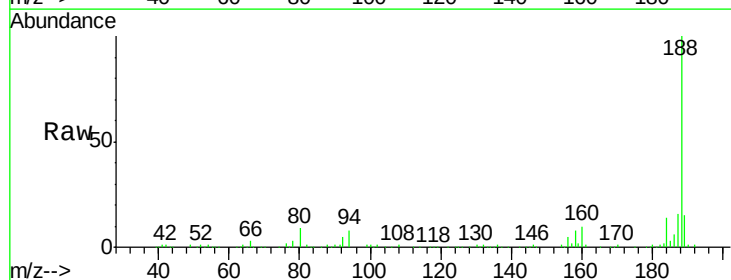
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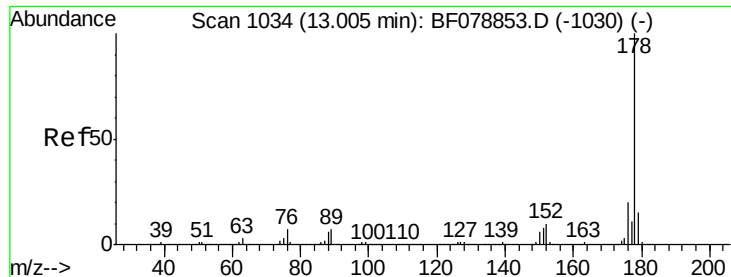
apatel
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.95 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: BF079016.D
 Acq: 8 May 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	248220		
94	8.2	8.2	12.2	
80	8.6	8.9	13.3	





#70

Phenanthrene

Concen: 55.68 ng

RT: 12.97 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF079016.D

Acq: 8 May 2015 2:46

Instrument :

BNA_F

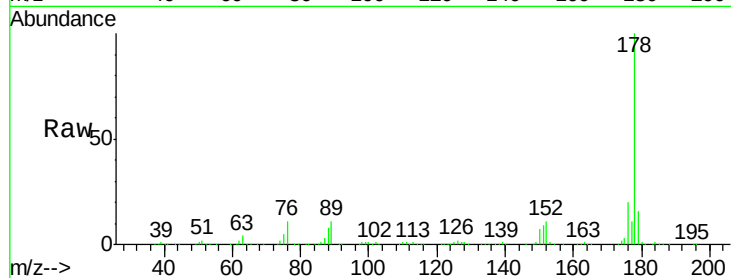
ClientSampleId :

GRID-1(6-12)DL

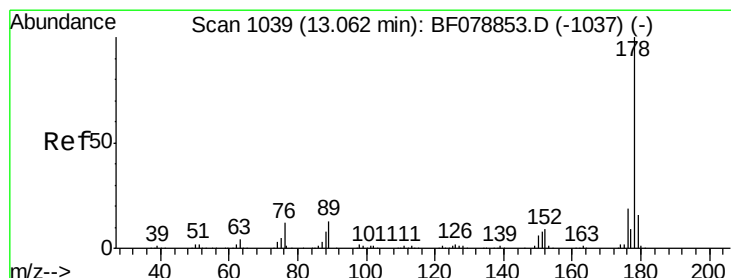
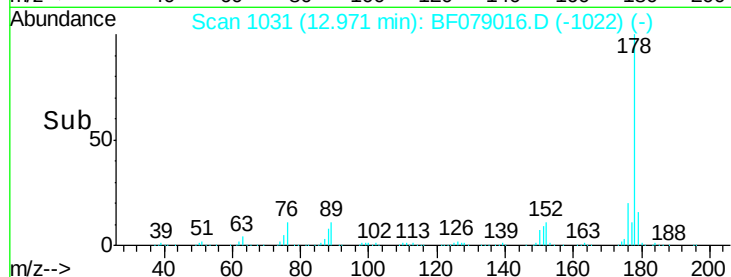
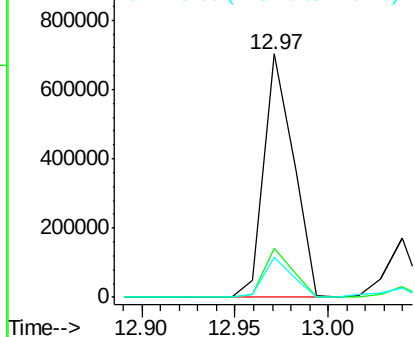
Tot Ion:	178	Resp:	773195
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.8	23.8
179	16.2	12.5	18.7

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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



#71

Anthracene

Concen: 11.78 ng

RT: 13.04 min Scan# 1037

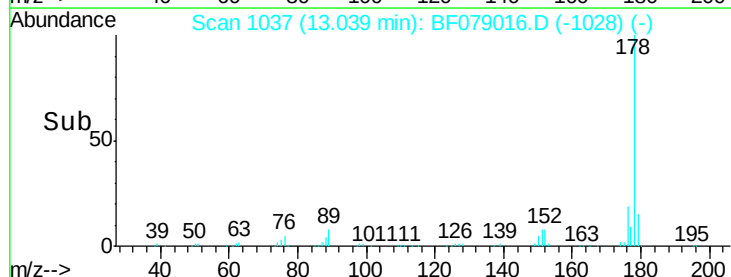
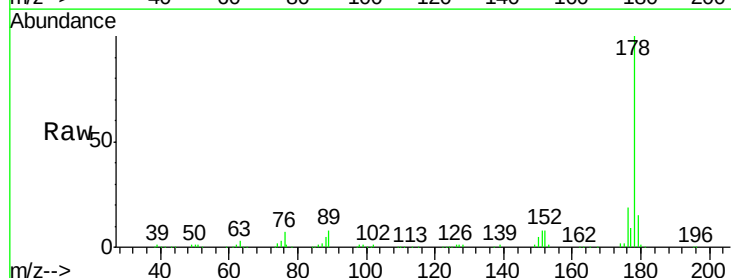
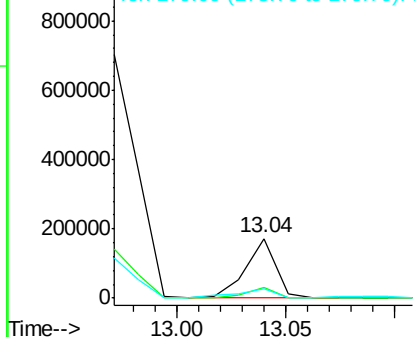
Delta R.T. 0.00 min

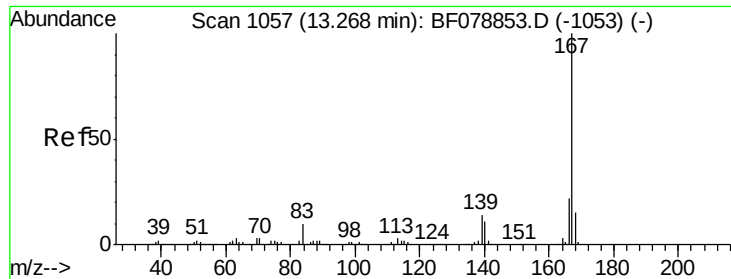
Lab File: BF079016.D

Acq: 8 May 2015 2:46

Tgt Ion:	178	Resp:	160472
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.5	23.3
179	15.2	12.7	19.1

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





#72

Carbazole

Concen: 4.77 ng

RT: 13.25 min Scan# 1055

Delta R.T. 0.00 min

Lab File: BF079016.D

Acq: 8 May 2015 2:46

Instrument :

BNA_F

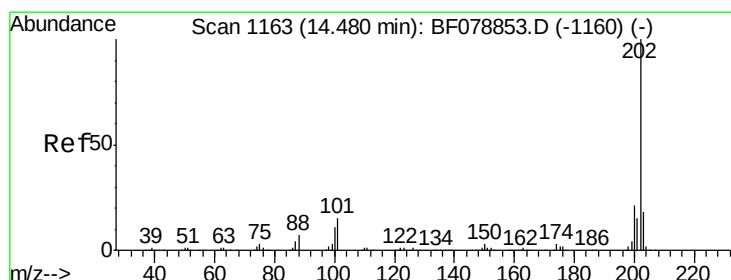
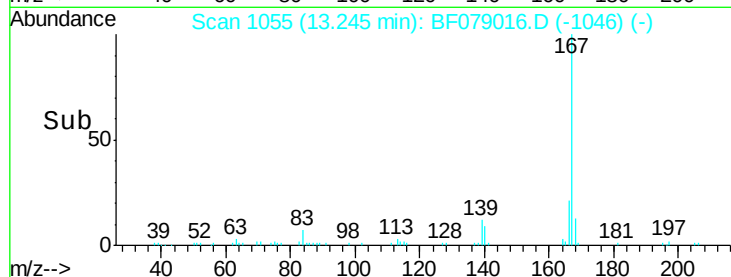
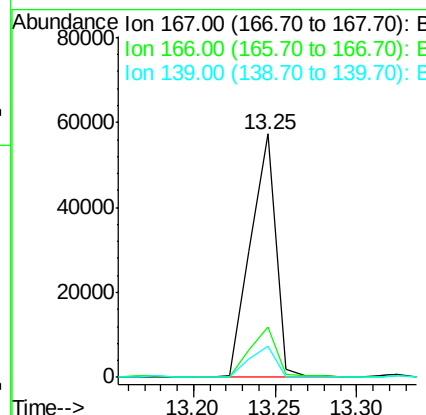
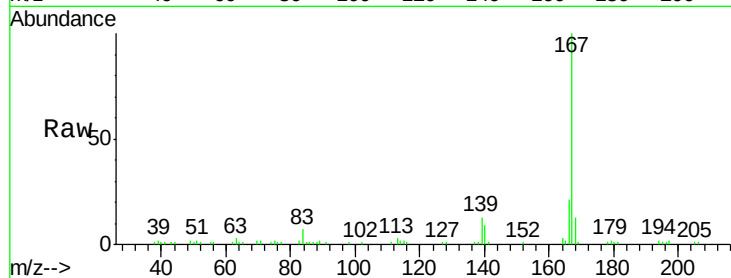
ClientSampleId :

GRID-1(6-12)DL

Tot Ion:	167	Resp:	61891
Ion Ratio	Lower	Upper	
167	100		
166	20.9	17.8	26.8
139	12.6	10.6	16.0

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5/8/2015 3:51:49 PM



#74

Fluoranthene

Concen: 51.71 ng

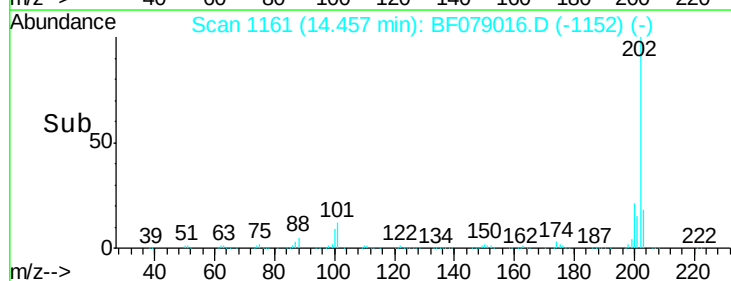
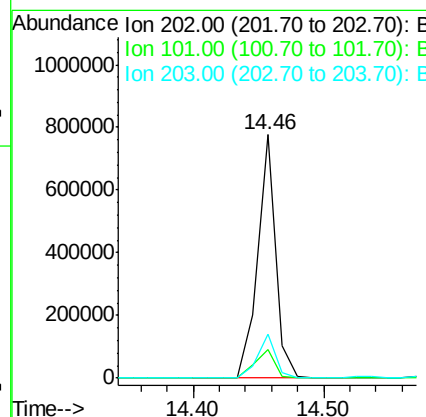
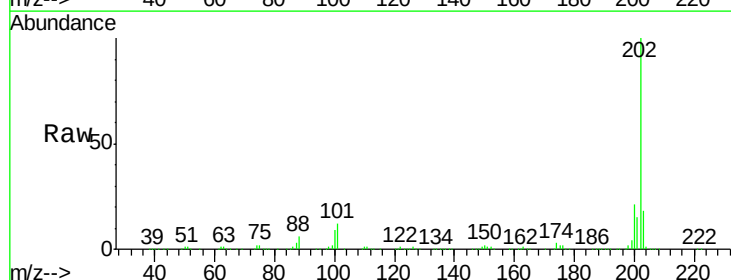
RT: 14.46 min Scan# 1161

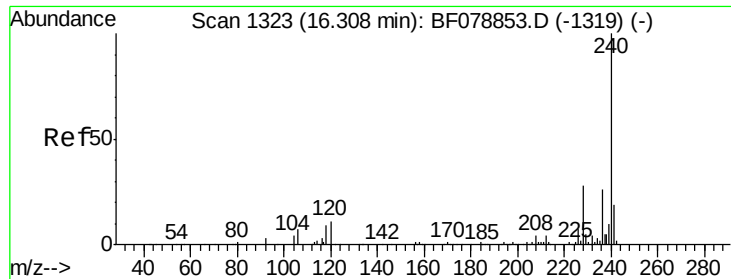
Delta R.T. 0.00 min

Lab File: BF079016.D

Acq: 8 May 2015 2:46

Tgt Ion:	202	Resp:	748276
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	34.6
203	17.8	0.0	38.4





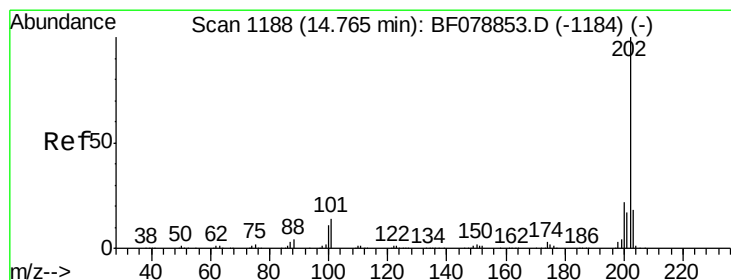
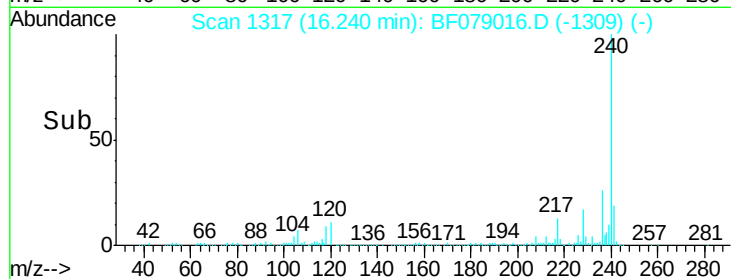
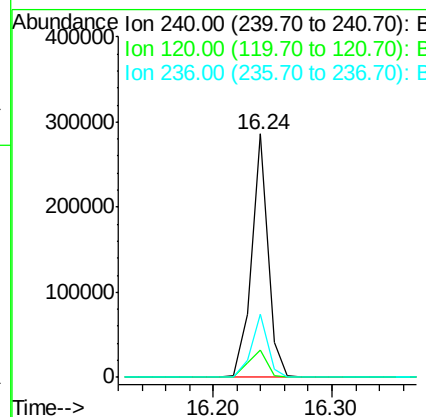
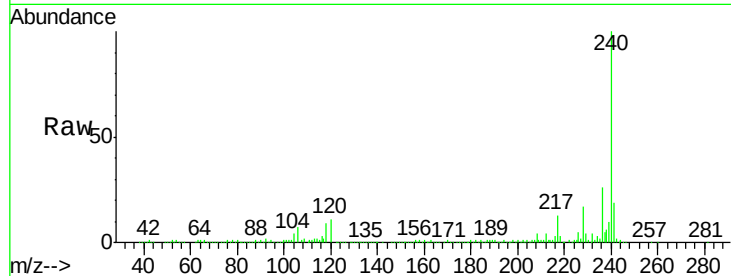
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.24 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF079016.D
 Acq: 8 May 2015 2:46

Instrument :
 BNA_F
 ClientSampleID :
 GRID-1(6-12)DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	279545		
120	11.1	9.7	14.5	
236	26.0	20.2	30.4	

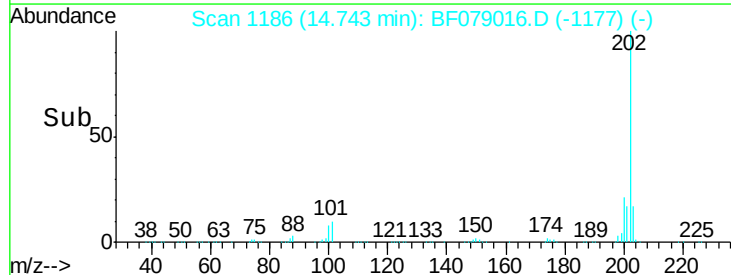
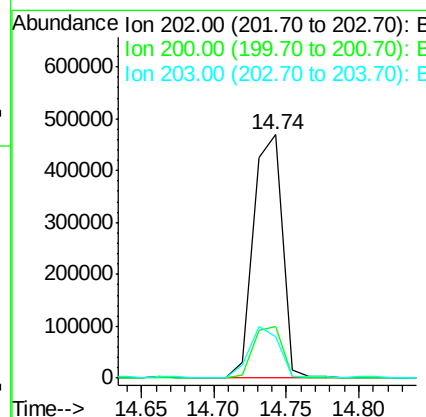
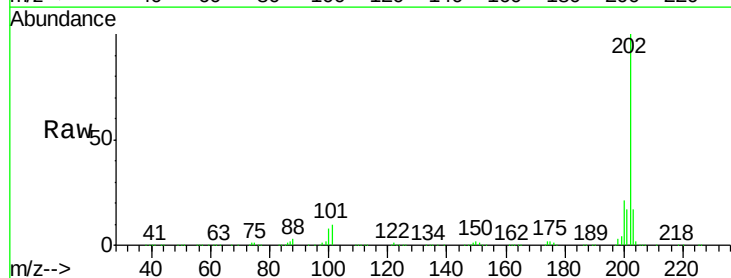
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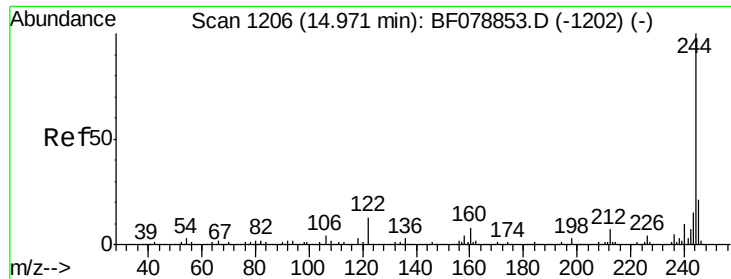
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#77
 Pyrene
 Concen: 40.28 ng
 RT: 14.74 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF079016.D
 Acq: 8 May 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	648788		
200	20.9	17.5	26.3	
203	17.2	13.9	20.9	





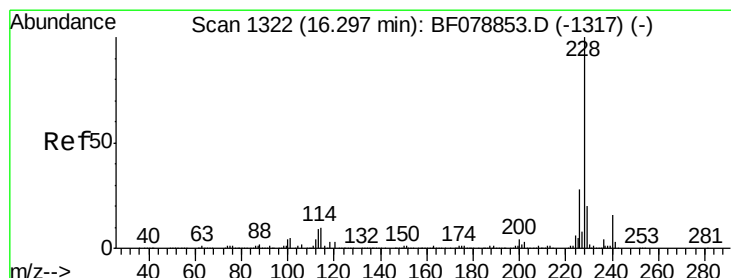
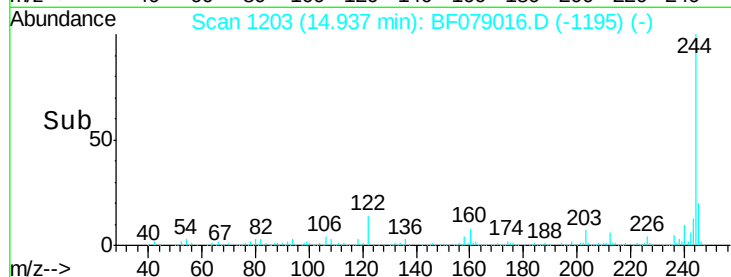
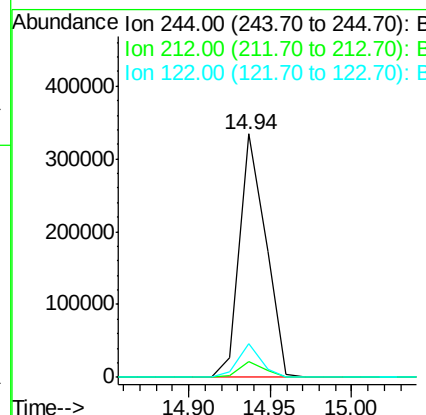
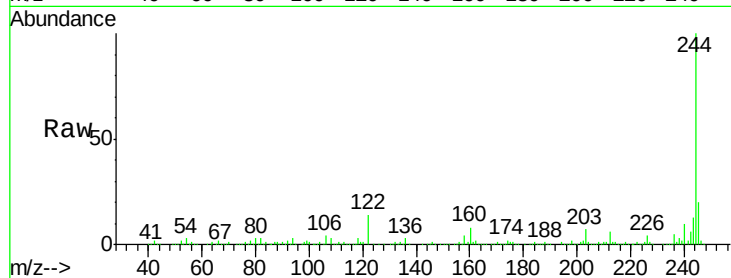
#78
 Terphenyl-d14
 Concen: 31.62 ng
 RT: 14.94 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF079016.D
 Acq: 8 May 2015 2:46

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(6-12)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	13.9	10.3	15.5

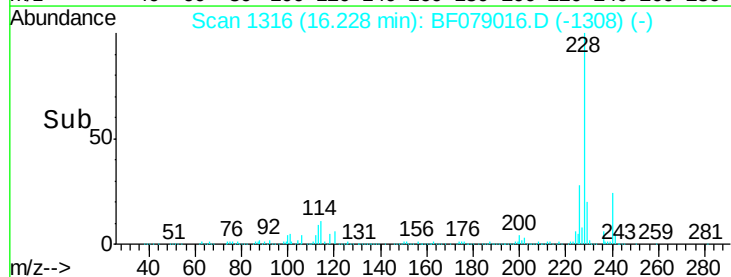
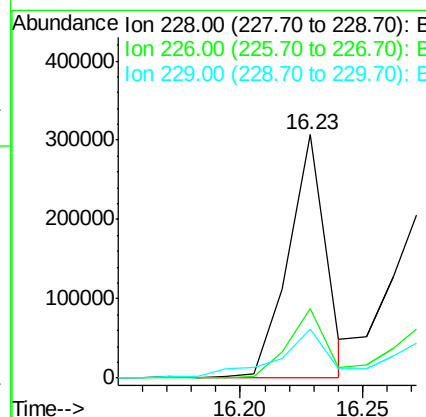
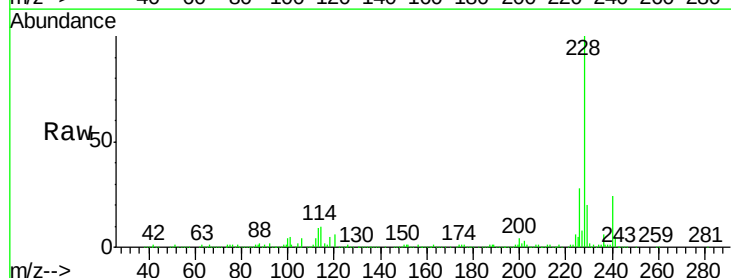
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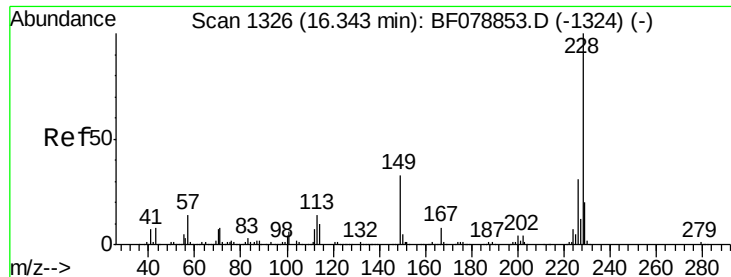
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#80
 Benzo(a)anthracene
 Concen: 21.33 ng m
 RT: 16.23 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF079016.D
 Acq: 8 May 2015 2:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.3	15.9	23.9





#82

Chrysene

Concen: 19.79 ng/mL

RT: 16.27 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF079016.D

Acq: 8 May 2015 2:46

Instrument :

BNA_F

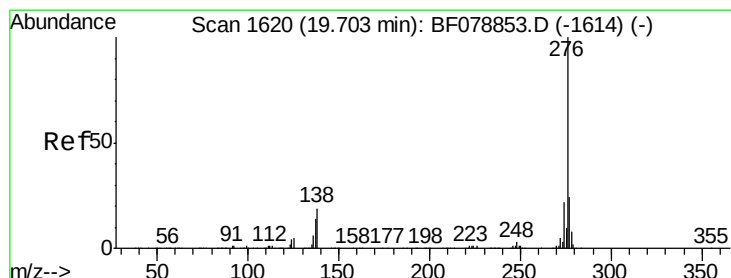
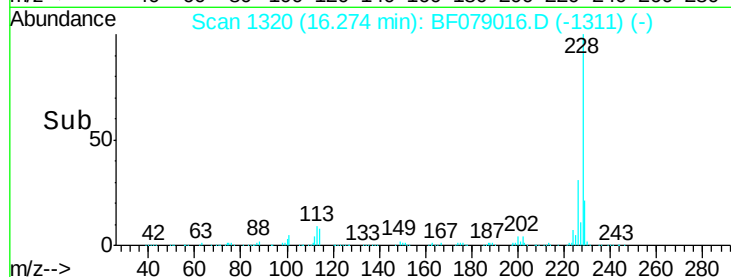
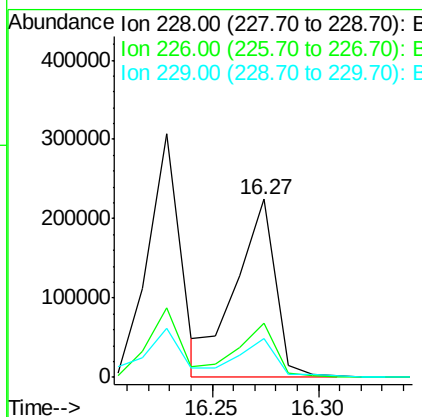
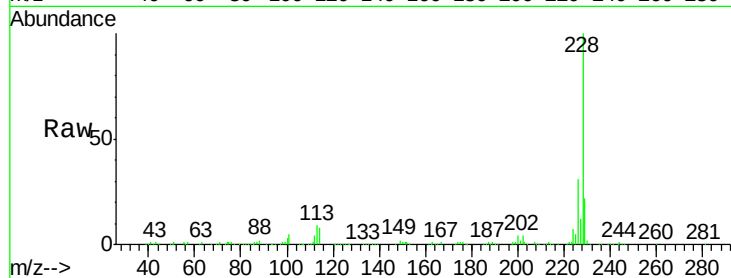
ClientSampleID :

GRID-1(6-12)DL

Tot Ion:	228	Resp:	291365
Ion Ratio	Lower	Upper	
228	100		
226	30.6	24.9	37.3
229	21.7	16.0	24.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.79 ng/mL

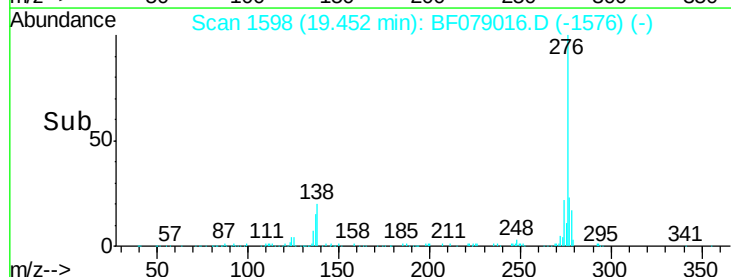
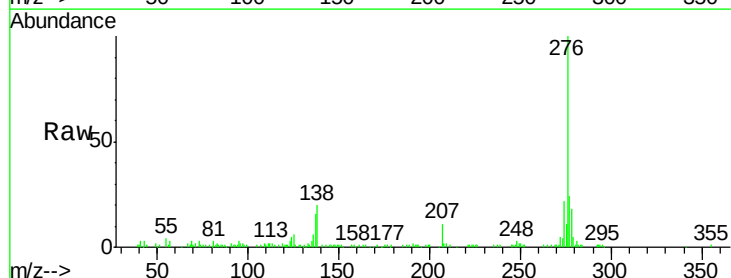
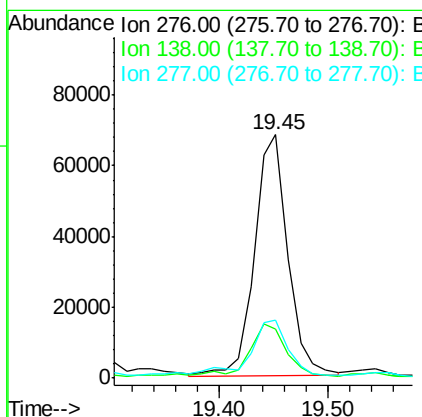
RT: 19.45 min Scan# 1598

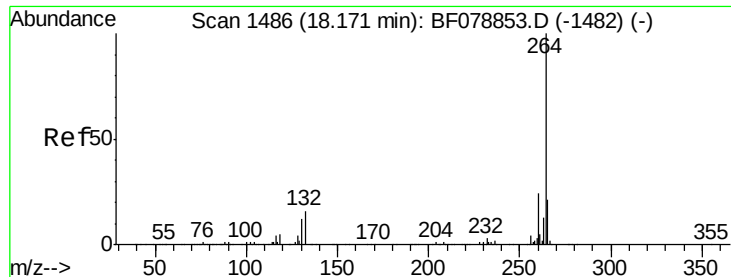
Delta R.T. -0.05 min

Lab File: BF079016.D

Acq: 8 May 2015 2:46

Tgt Ion:	276	Resp:	146070
Ion Ratio	Lower	Upper	
276	100		
138	27.0	0.0	0.0#
277	27.6	0.0	0.0#





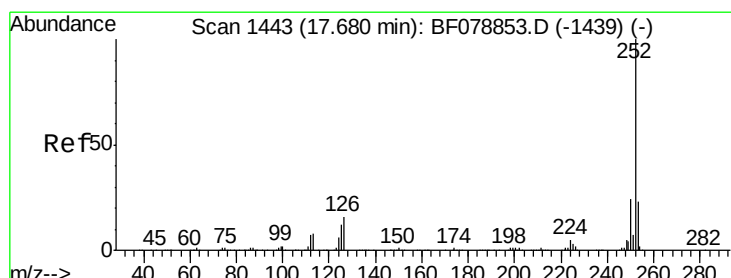
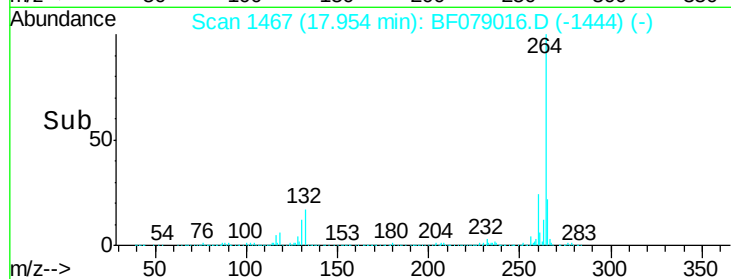
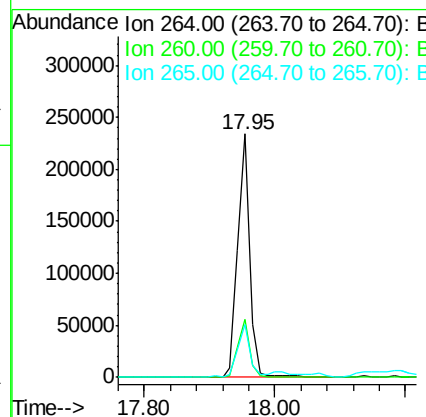
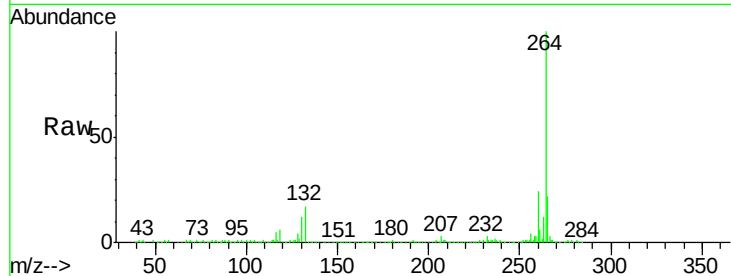
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.95 min Scan# 1467
Delta R.T. -0.03 min
Lab File: BF079016.D
Acq: 8 May 2015 2:46

Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)DL

Tot Ion	Ratio	Resp	Lower	Upper
264	100	297861		
260	23.7	19.4	29.2	
265	21.8	18.3	27.5	

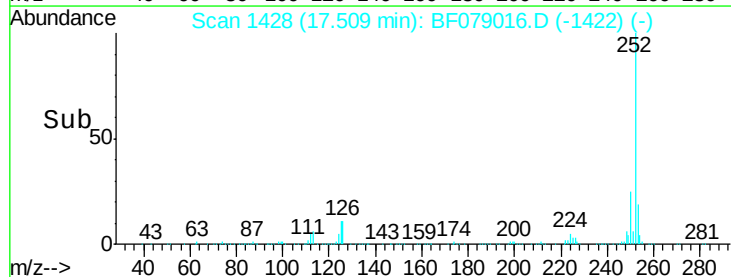
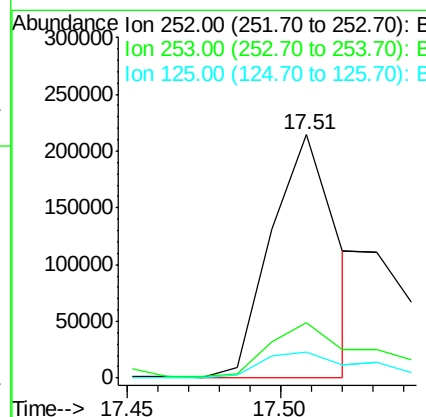
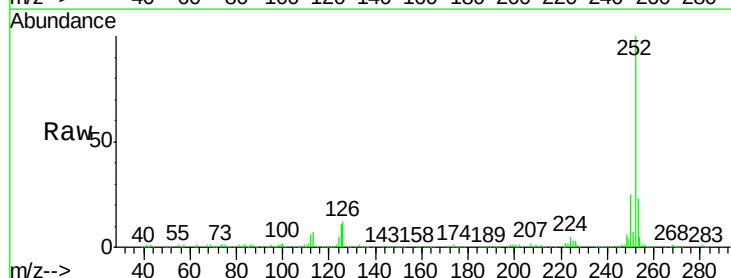
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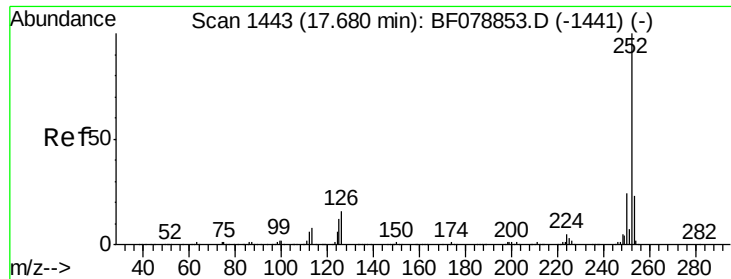
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#87
Benzo(b)fluoranthene
Concen: 19.69 ng m
RT: 17.51 min Scan# 1428
Delta R.T. -0.03 min
Lab File: BF079016.D
Acq: 8 May 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	320957		
253	22.6	17.7	26.5	
125	10.8	9.5	14.3	





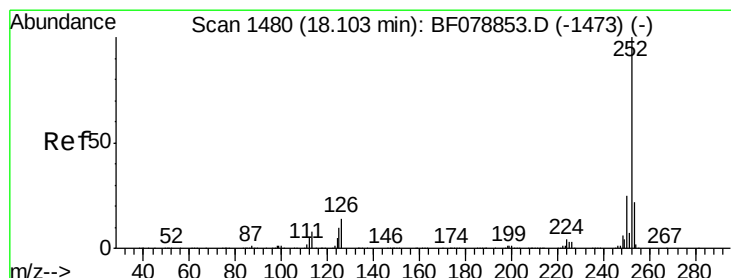
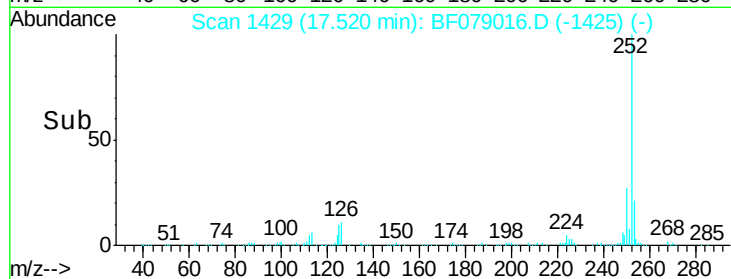
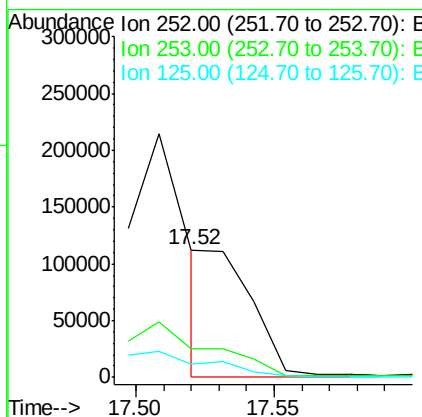
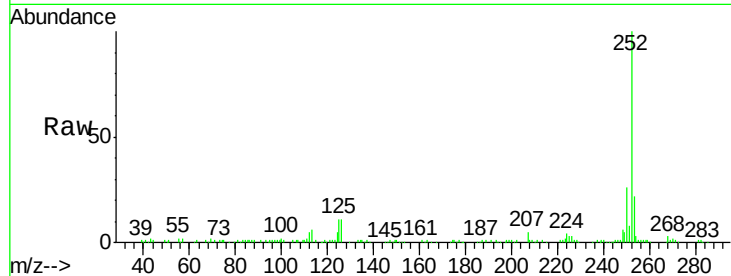
#88
Benzo(k)fluoranthene
Concen: 8.22 ng m
RT: 17.52 min Scan# 1429
Delta R.T. -0.06 min
Lab File: BF079016.D
Acq: 8 May 2015 2:46

Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)DL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	129692		
253	22.2	18.1	27.1	
125	10.8	10.0	15.0	

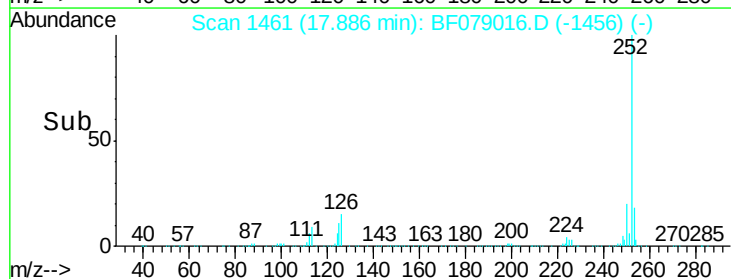
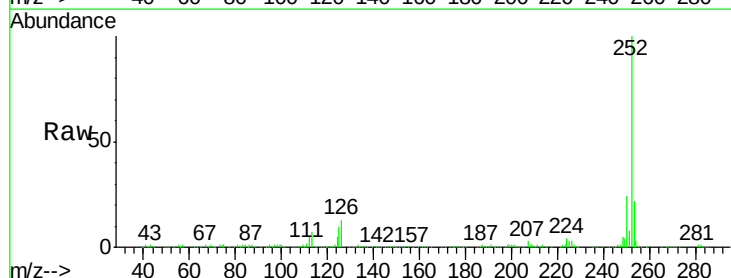
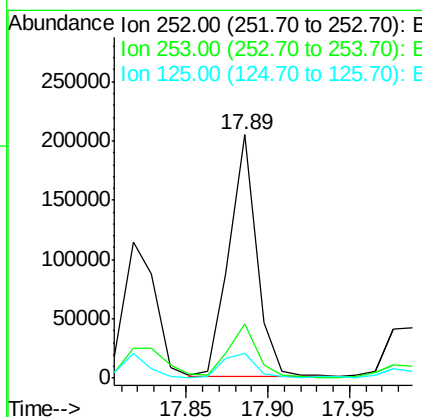
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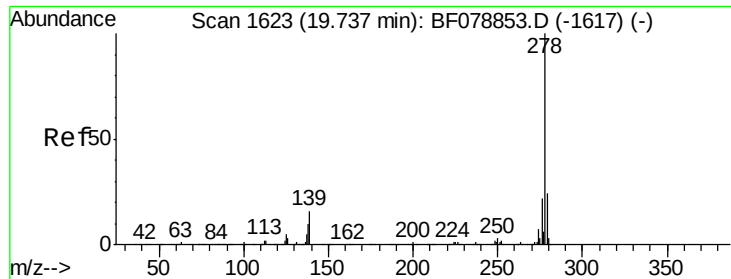
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#89
Benzo(a)pyrene
Concen: 15.70 ng
RT: 17.89 min Scan# 1461
Delta R.T. -0.05 min
Lab File: BF079016.D
Acq: 8 May 2015 2:46

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	235708		
253	22.4	17.3	25.9	
125	10.1	7.0	10.6	





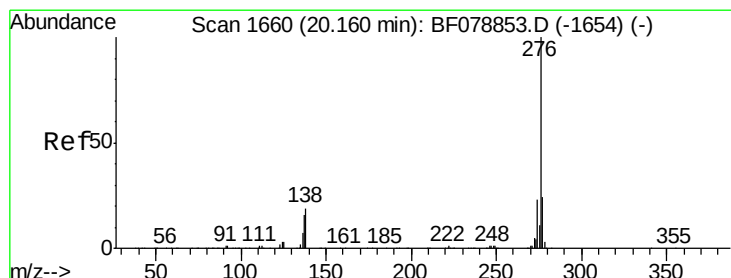
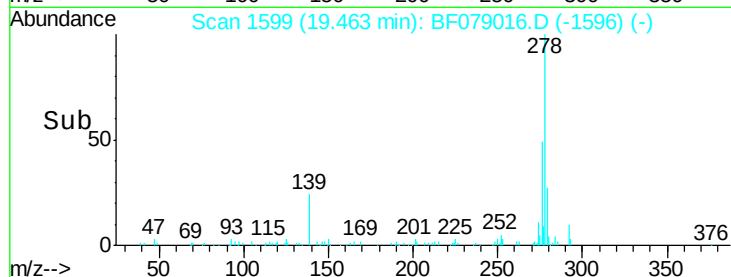
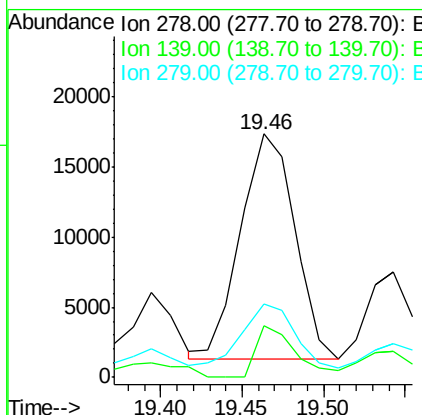
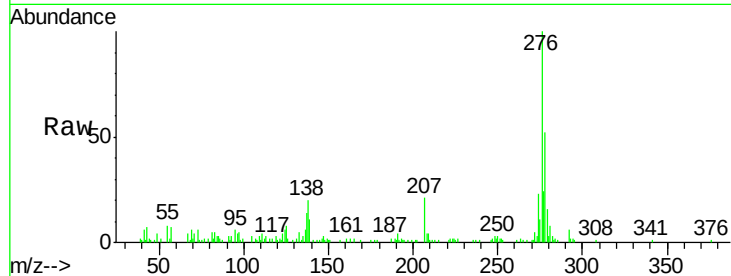
#90
Dibenzo(a,h)anthracene
Concen: 2.33 ng
RT: 19.46 min Scan# 1599
Delta R.T. -0.07 min
Lab File: BF079016.D
Acq: 8 May 2015 2:46

Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.3	12.8	19.2#
279	30.1	19.6	29.4#

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#91
Benzo(g,h,i)perylene
Concen: 8.23 ng
RT: 19.89 min Scan# 1636
Delta R.T. -0.07 min
Lab File: BF079016.D
Acq: 8 May 2015 2:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.6	28.0
138	25.2	17.4	26.0

