

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021715\
 Data File : BF077352.D
 Acq On : 18 Feb 2015 9:48
 Operator : TP/IZ
 Sample : G1299-01DL 5X
 Misc : W
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP1DL

Manual Integrations
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Quant Time: Feb 18 11:25:17 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 09:51:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	59594	20.00	ng	0.00
21) Naphthalene-d8	8.96	136	236075	20.00	ng	0.00
38) Acenaphthene-d10	11.13	164	109486	20.00	ng	-0.01
63) Phenanthrene-d10	12.98	188	223232	20.00	ng	0.00
75) Chrysene-d12	16.27	240	238839	20.00	ng	0.00
86) Perylene-d12	18.00	264	248682	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.66	112	57071	16.37	ng	0.00
7) Phenol-d6	6.92	99	74652	16.39	ng	0.00
23) Nitrobenzene-d5	8.06	82	36745	10.78	ng	0.00
41) 2,4,6-Tribromophenol	12.11	330	14405	15.26	ng	0.00
44) 2-Fluorobiphenyl	10.30	172	85475	11.77	ng	0.00
78) Terphenyl-d14	14.98	244	94147	8.96	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.98	128	141762	12.00	ng	97
37) 2-Methylnaphthalene	9.84	142	28336	3.34	ng	95
51) Acenaphthene	11.17	154	34377	5.42	ng	99
54) Dibenzofuran	11.39	168	38458	4.00	ng	92
57) Fluorene	11.81	166	33648	4.45	ng	98
70) Phenanthrene	13.01	178	413889	31.91	ng	99
71) Anthracene	13.07	178	87822	6.81	ng	98
72) Carbazole	13.28	167	36225	3.19	ng	97
74) Fluoranthene	14.49	202	341041	26.04	ng	99
77) Pyrene	14.77	202	311699	21.11	ng	99
80) Benzo(a)anthracene	16.26	228	144818	10.41	ng	98
82) Chrysene	16.31	228	106479	8.10	ng	97
85) Indeno(1,2,3-cd)pyrene	19.51	276	66106	4.40	ng	96
87) Benzo(b)fluoranthene	17.54	252	152095m	9.51	ng	
88) Benzo(k)fluoranthene	17.56	252	32472m	2.46	ng	
89) Benzo(a)pyrene	17.93	252	106957	7.69	ng	# 95
91) Benzo(g,h,i)perylene	19.95	276	71227	5.06	ng	97

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

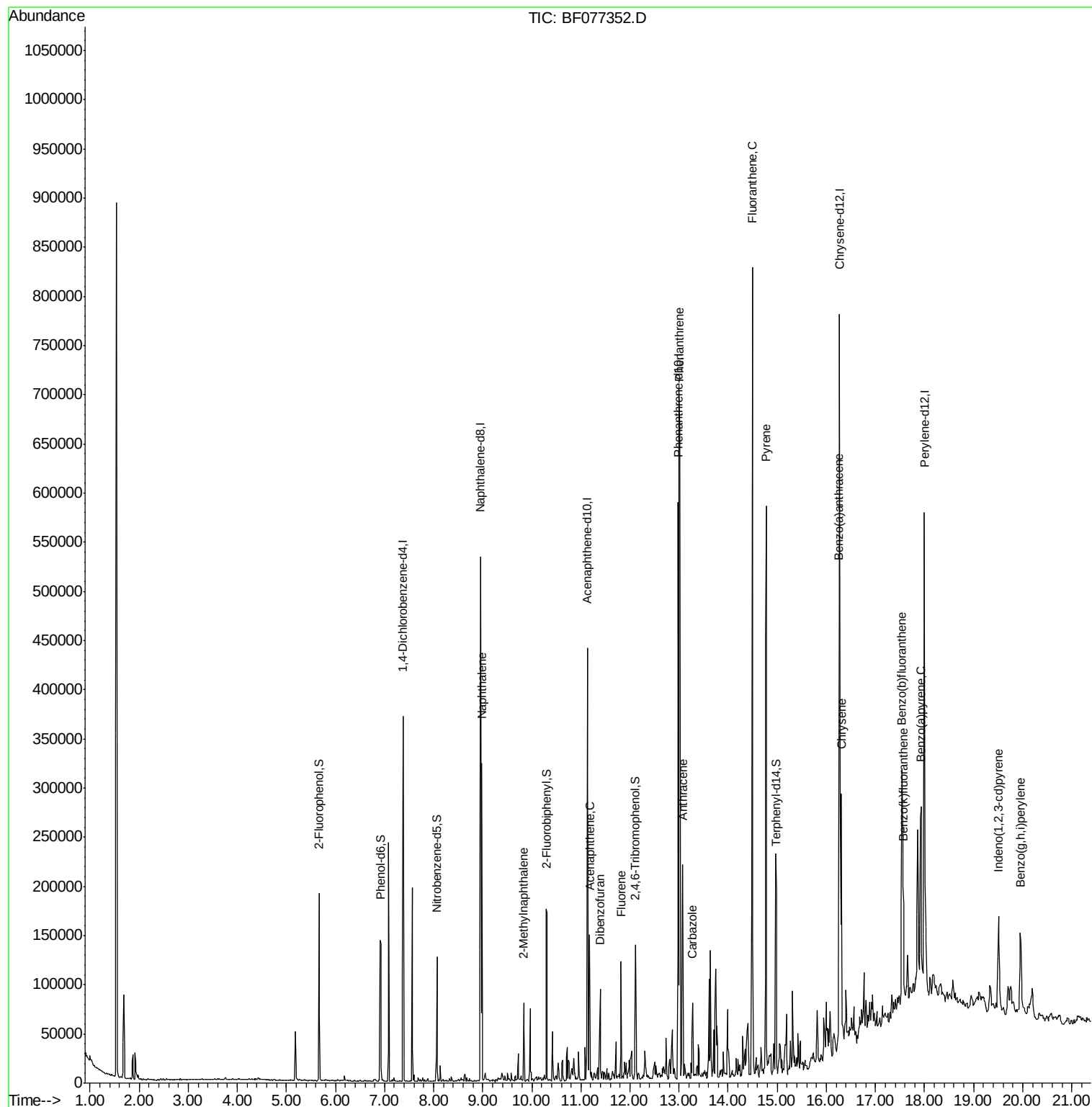
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021715\
Data File : BF077352.D
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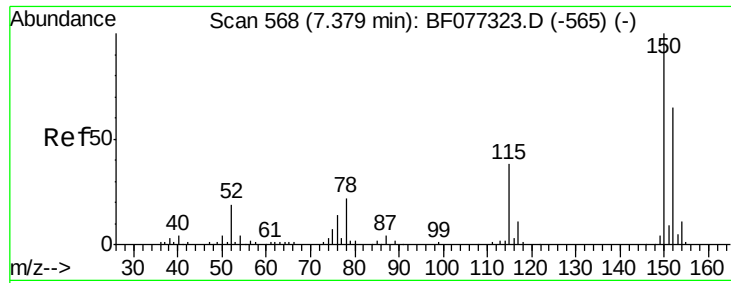
Instrument :
BNA_F
ClientSampled :
COMP1DL

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#1

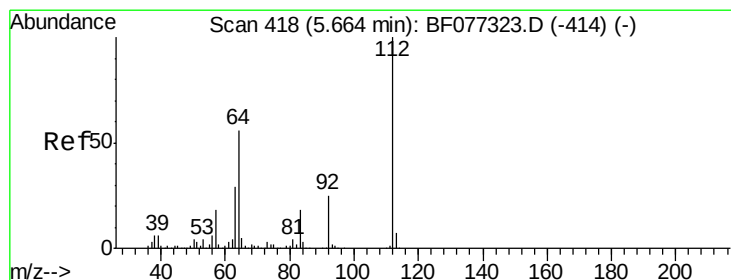
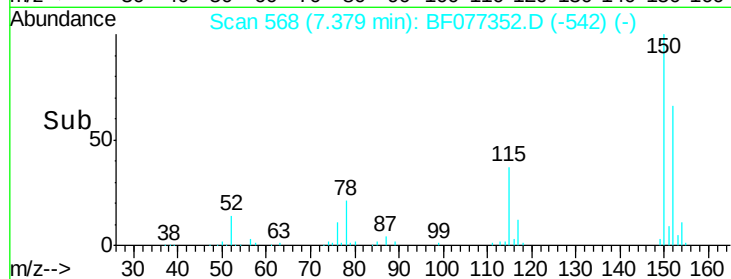
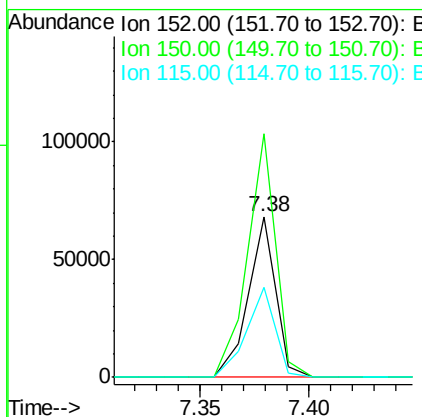
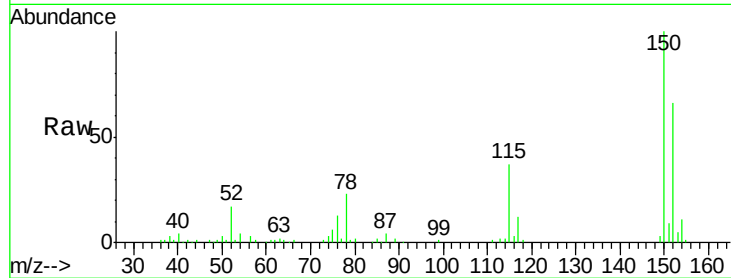
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 568
Delta R.T. 0.00 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Instrument :
BNA_F
ClientSampleId :
COMP1DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.4	123.1	184.7
115	55.7	46.2	69.4

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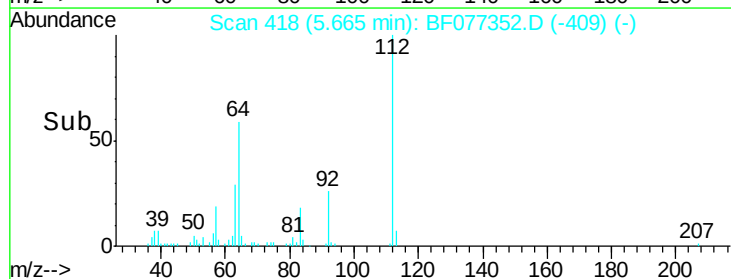
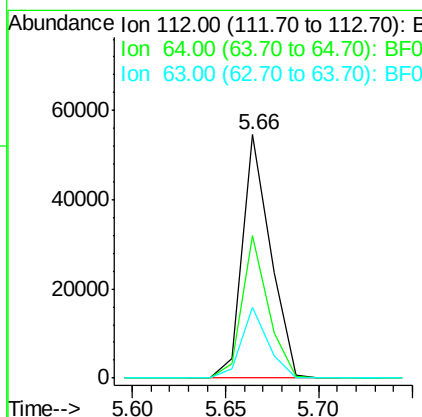
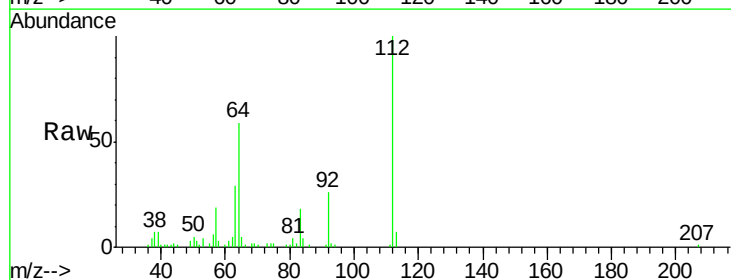
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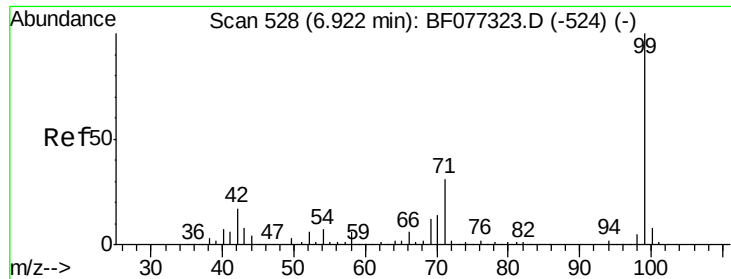


#5

2-Fluorophenol
Concen: 16.37 ng
RT: 5.66 min Scan# 418
Delta R.T. 0.00 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	44.7	67.1
63	29.3	23.3	34.9





#7

Phenol-d6

Concen: 16.39 ng

RT: 6.92 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF077352.D

Acq: 18 Feb 2015 9:48

Instrument :

BNA_F

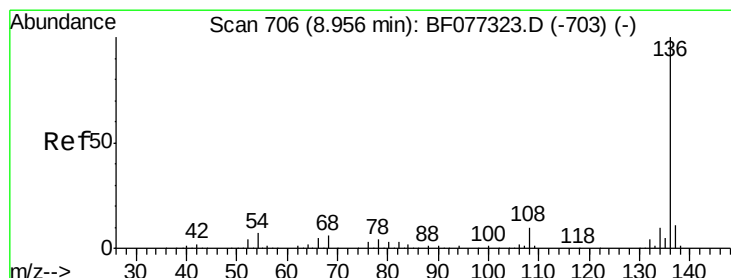
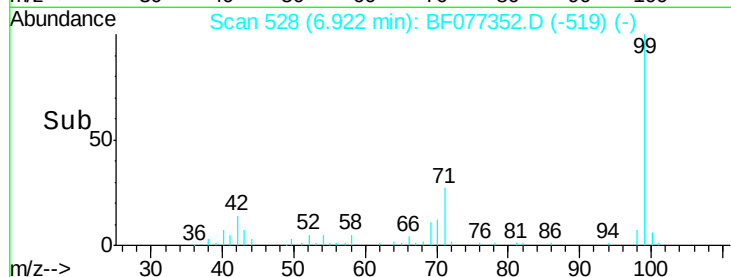
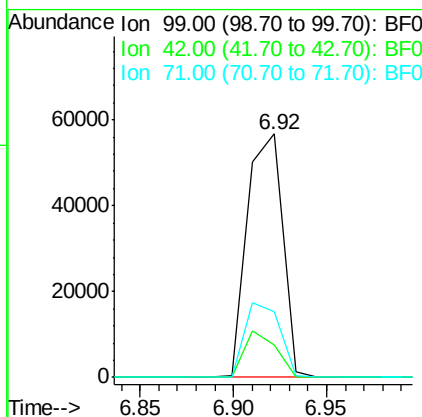
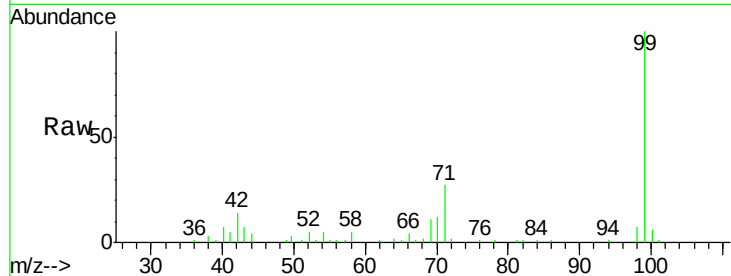
ClientSampleId :

COMP1DL

Tgt Ion:	99	Resp:	74652
Ion Ratio	Lower	Upper	
99	100		
42	13.6	13.8	20.6#
71	26.8	24.6	37.0

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#21

Naphthalene-d8

Concen: 20.00 ng

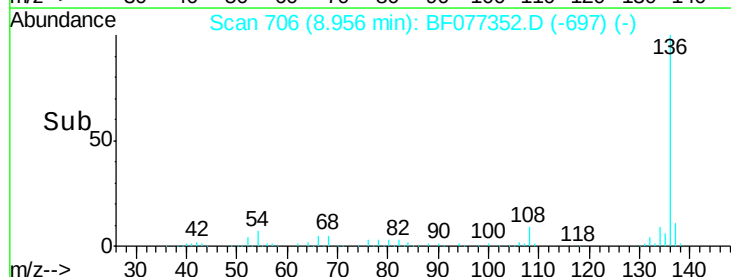
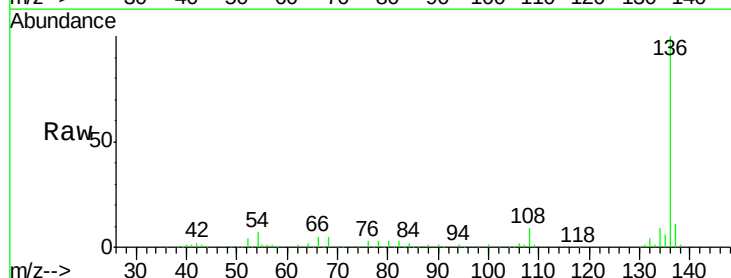
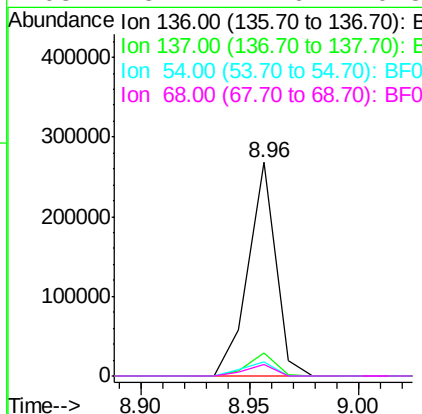
RT: 8.96 min Scan# 706

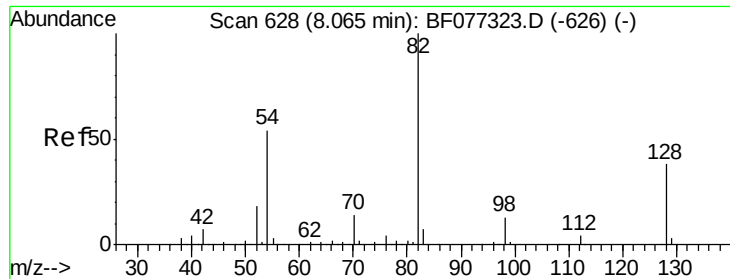
Delta R.T. 0.00 min

Lab File: BF077352.D

Acq: 18 Feb 2015 9:48

Tgt Ion:	136	Resp:	236075
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.7	13.1
54	6.5	5.8	8.6
68	5.4	4.6	6.8





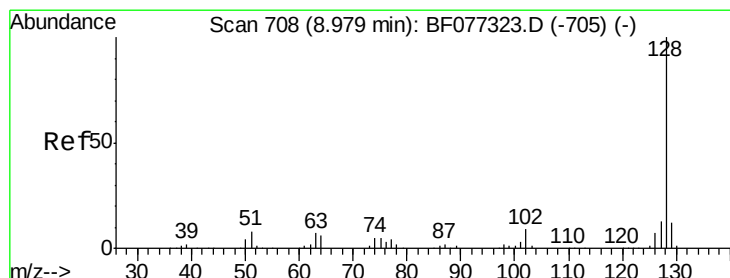
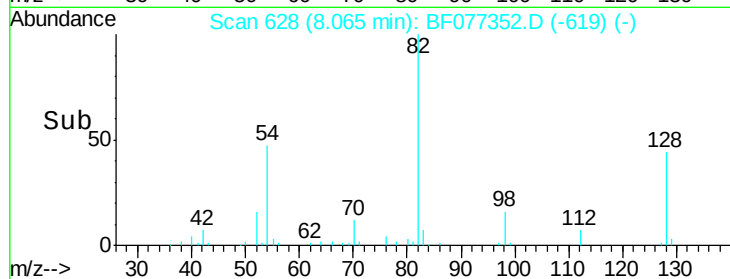
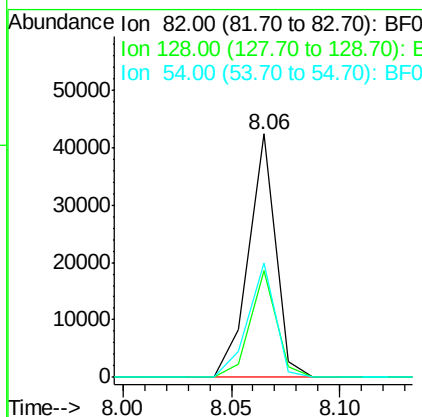
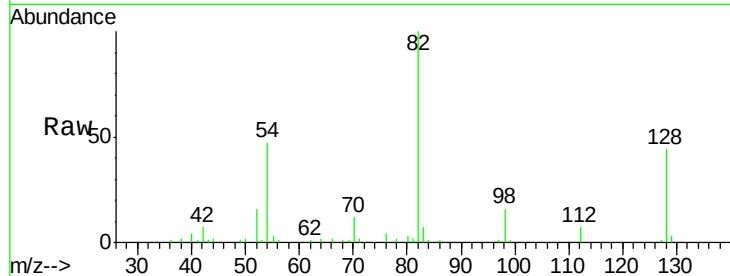
#23
Nitrobenzene-d5
Concen: 10.78 ng
RT: 8.06 min Scan# 628
Delta R.T. 0.00 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Instrument :
BNA_F
ClientSampleId :
COMP1DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	43.8	30.7	46.1
54	47.2	43.1	64.7

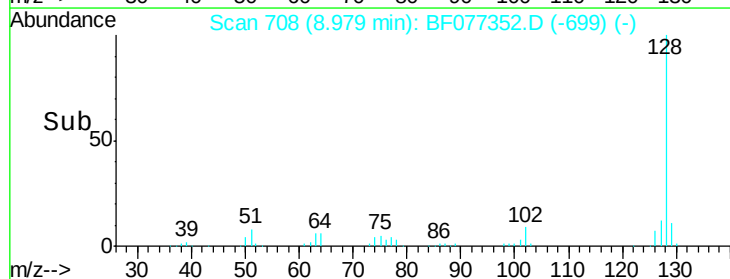
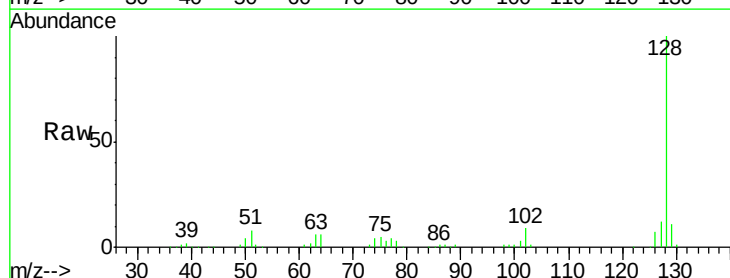
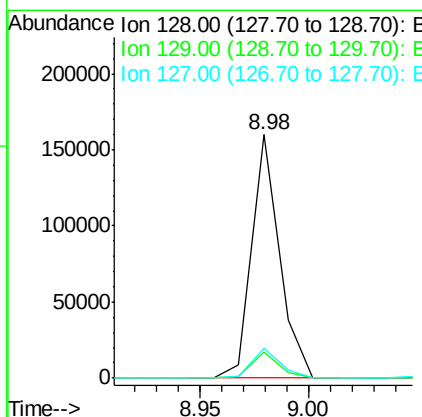
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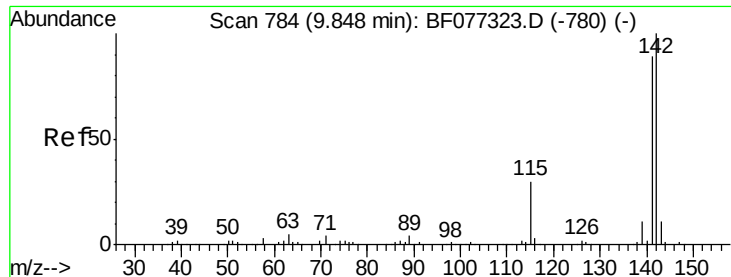
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#31
Naphthalene
Concen: 12.00 ng
RT: 8.98 min Scan# 708
Delta R.T. 0.00 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	10.7	9.5	14.3
127	12.2	10.5	15.7





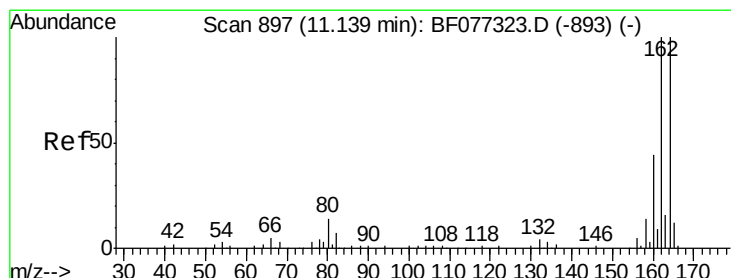
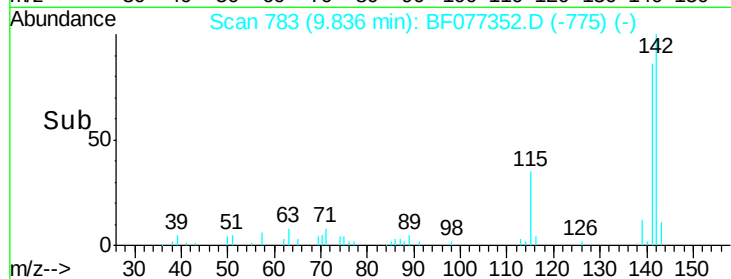
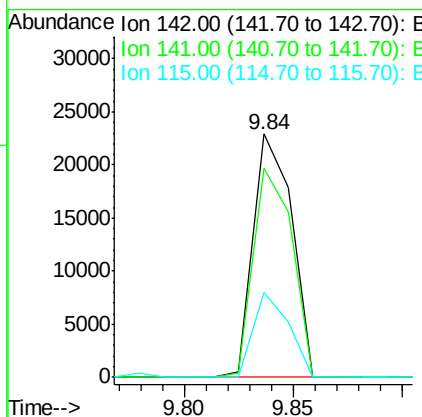
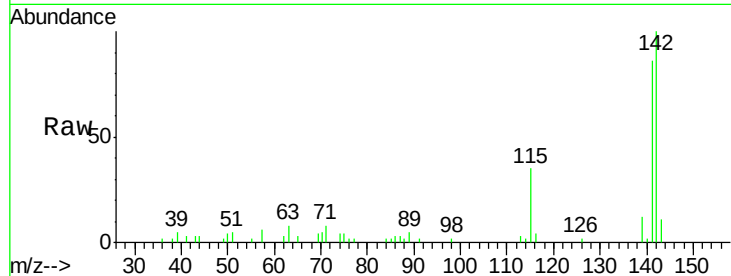
#37
 2-Methylnaphthalene
 Concen: 3.34 ng
 RT: 9.84 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF077352.D
 Acq: 18 Feb 2015 9:48

Instrument :
 BNA_F
 ClientSampleId :
 COMP1DL

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	28336		
141	85.8	71.2	106.8	
115	34.8	23.8	35.8	

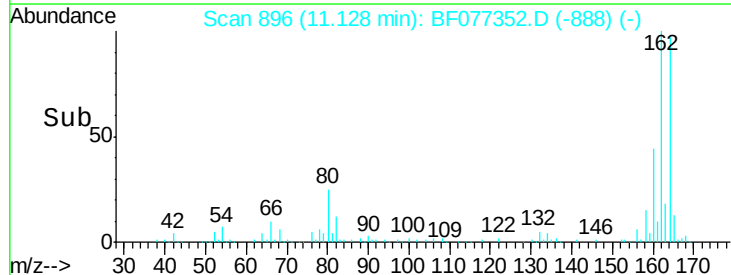
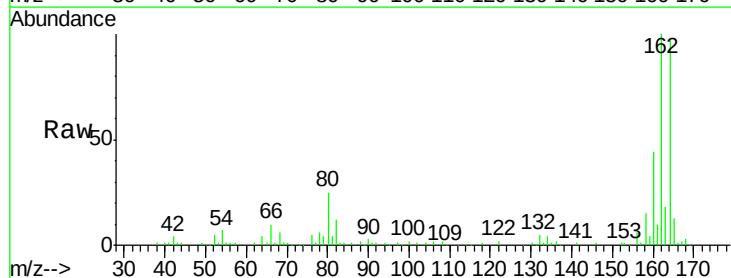
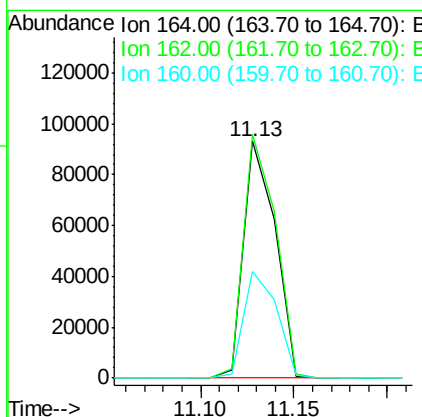
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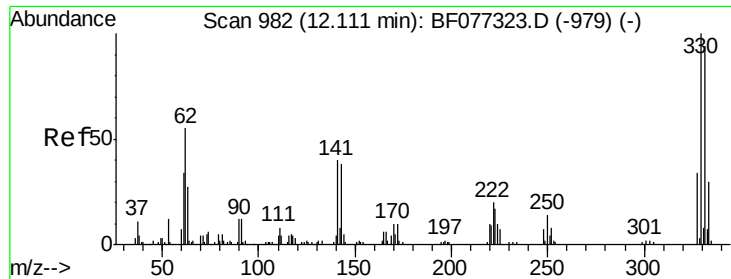
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.13 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF077352.D
 Acq: 18 Feb 2015 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109486		
162	102.9	80.4	120.6	
160	45.1	35.3	52.9	





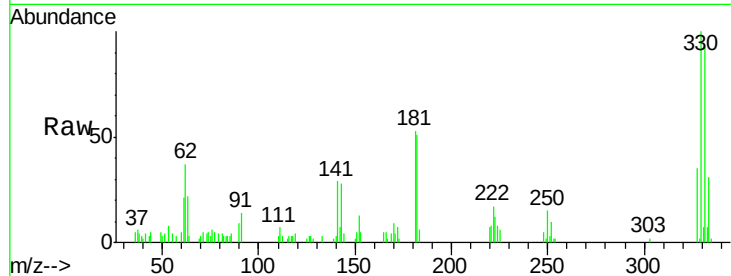
#41
 2,4,6-Tribromophenol
 Concen: 15.26 ng
 RT: 12.11 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: BF077352.D
 Acq: 18 Feb 2015 9:48

Instrument :
 BNA_F
 ClientSampleId :
 COMP1DL

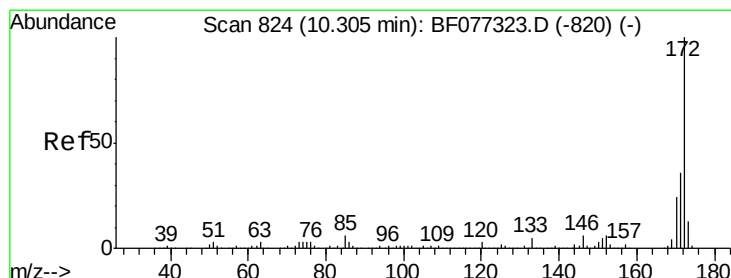
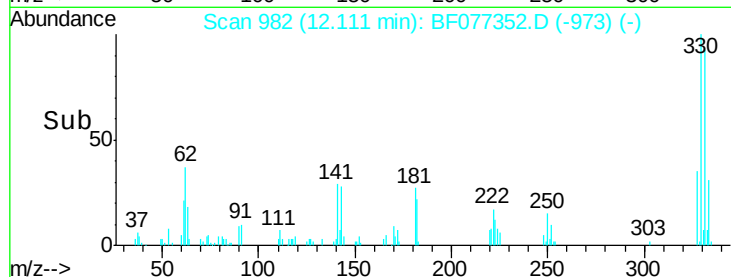
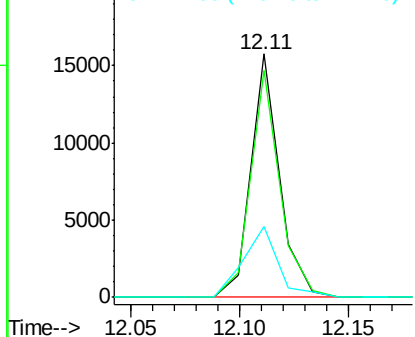
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	14405		
332	95.4	76.1	114.1	
141	35.4	28.5	42.7	

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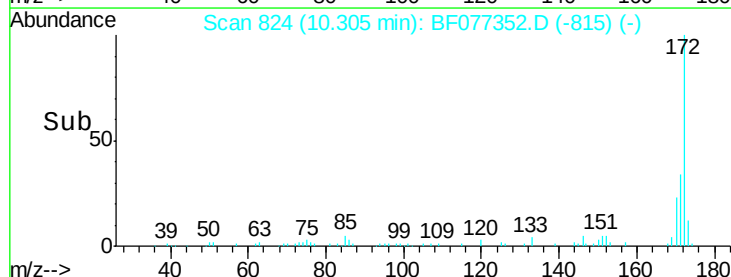
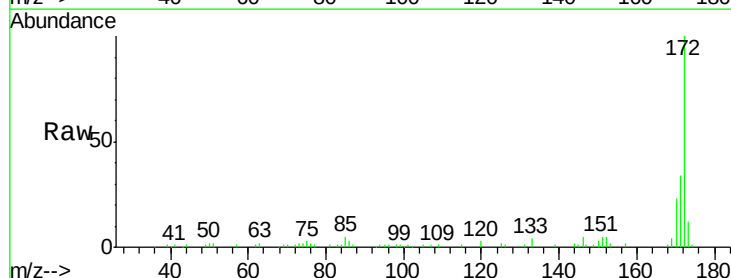
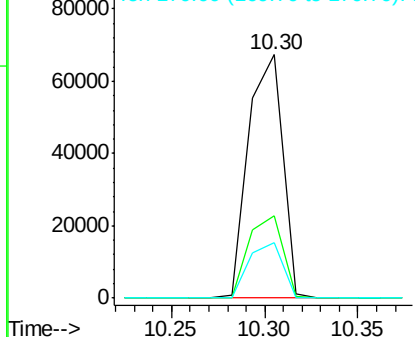
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

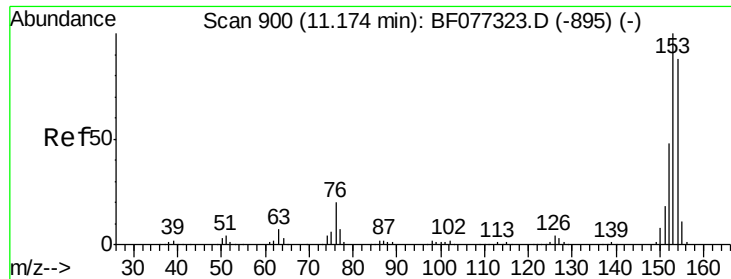


#44
 2-Fluorobiphenyl
 Concen: 11.77 ng
 RT: 10.30 min Scan# 824
 Delta R.T. 0.00 min
 Lab File: BF077352.D
 Acq: 18 Feb 2015 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	85475		
171	33.8	28.9	43.3	
170	22.8	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





#51

Acenaphthene

Concen: 5.42 ng

RT: 11.17 min Scan# 900

Delta R.T. 0.00 min

Lab File: BF077352.D

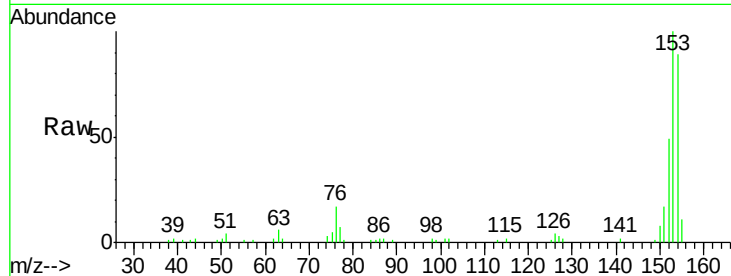
Acq: 18 Feb 2015 9:48

Instrument :

BNA_F

ClientSampled :

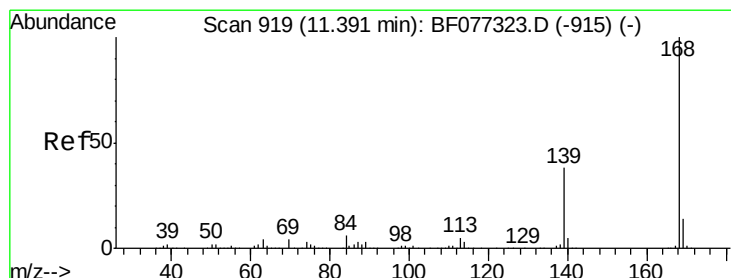
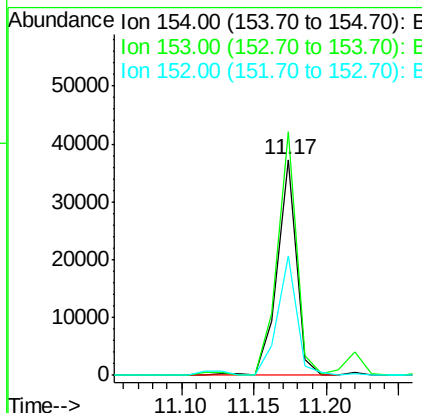
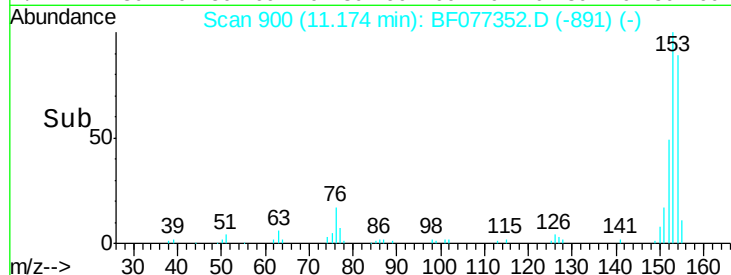
COMP1DL



Tgt Ion:	154	Resp:	34377
Ion Ratio	Lower	Upper	
154	100		
153	112.8	90.9	136.3
152	55.4	43.5	65.3

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#54

Dibenzofuran

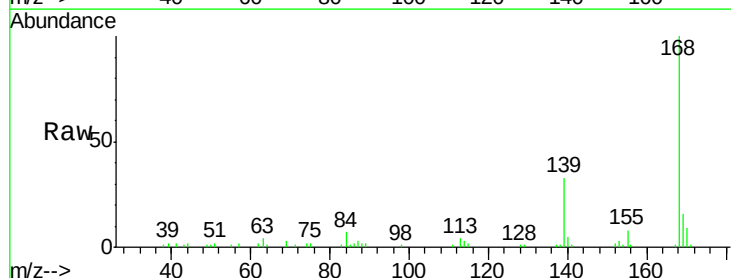
Concen: 4.00 ng

RT: 11.39 min Scan# 919

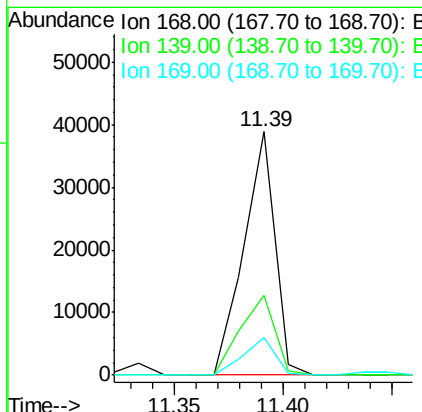
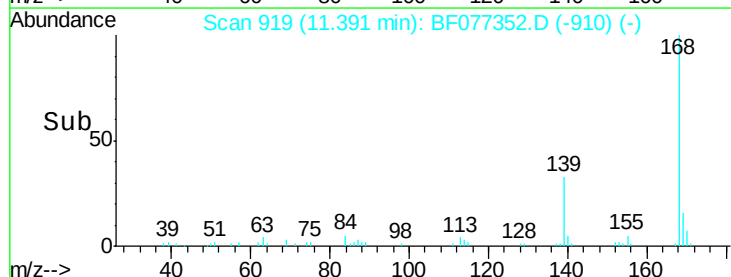
Delta R.T. 0.00 min

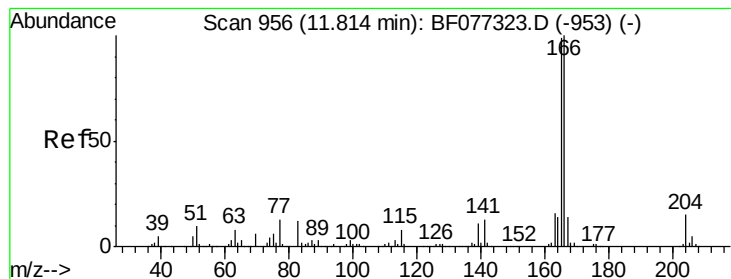
Lab File: BF077352.D

Acq: 18 Feb 2015 9:48



Tgt Ion:	168	Resp:	38458
Ion Ratio	Lower	Upper	
168	100		
139	32.9	30.6	45.8
169	15.5	11.0	16.4





#57

Fluorene

Concen: 4.45 ng

RT: 11.81 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF077352.D

Acq: 18 Feb 2015 9:48

Instrument :

BNA_F

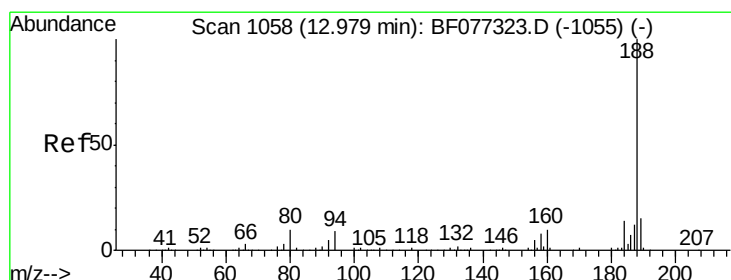
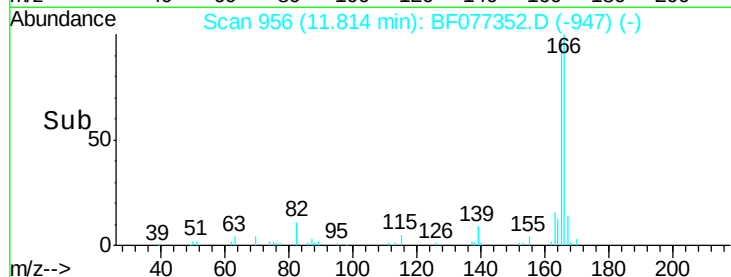
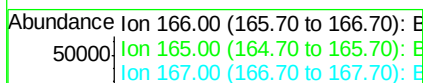
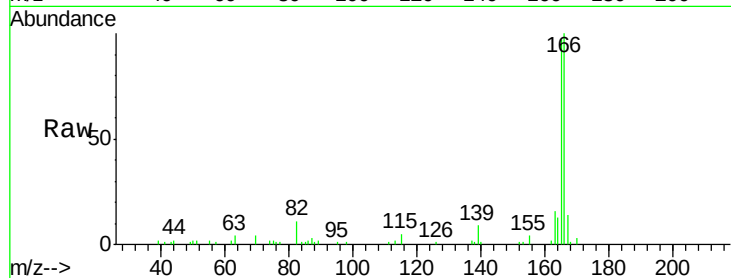
ClientSampleId :

COMP1DL

Tgt Ion:	166	Resp:	33648
Ion Ratio	Lower	Upper	
166	100		
165	97.2	79.2	118.8
167	14.4	11.0	16.6

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#63

Phenanthrene-d10

Concen: 20.00 ng

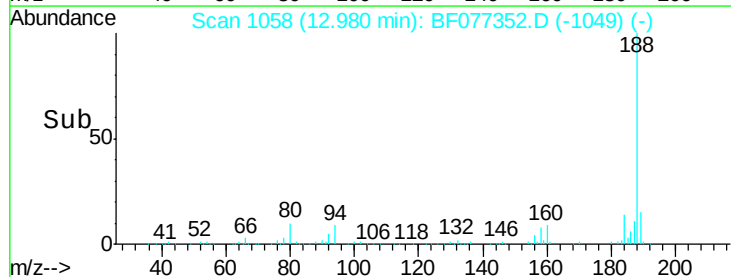
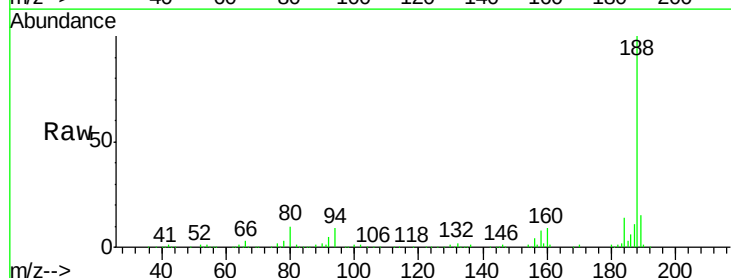
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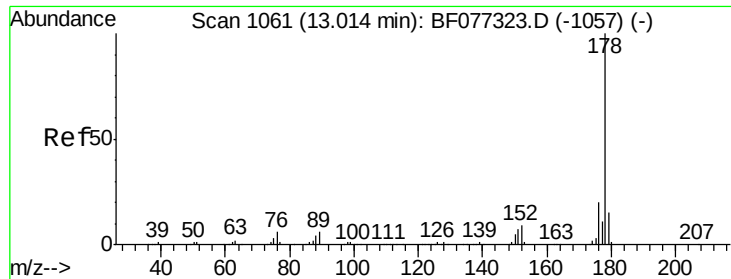
Delta R.T. 0.00 min

Lab File: BF077352.D

Acq: 18 Feb 2015 9:48

Tgt Ion:	188	Resp:	223232
Ion Ratio	Lower	Upper	
188	100		
94	8.6	7.2	10.8
80	9.5	7.8	11.8





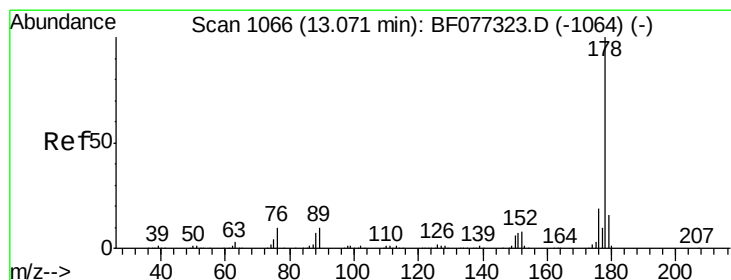
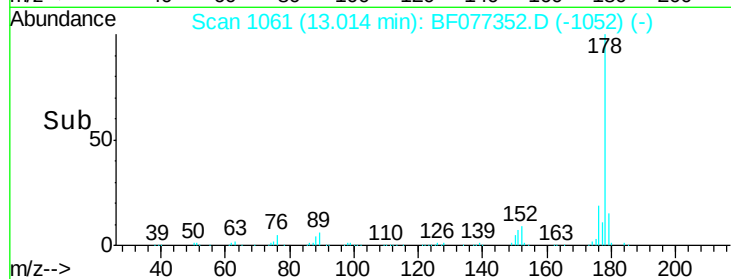
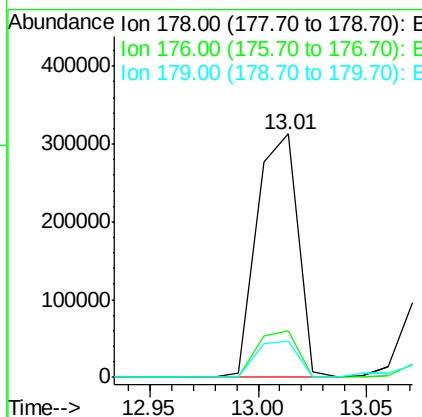
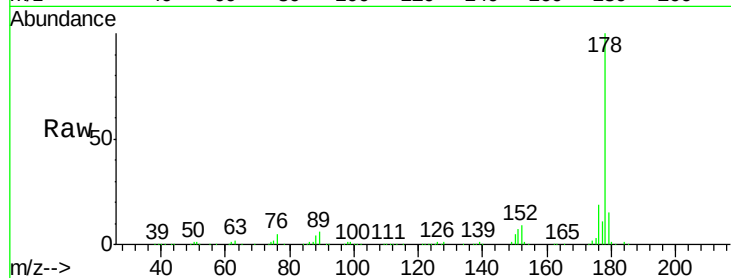
#70
Phenanthrene
Concen: 31.91 ng
RT: 13.01 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Instrument :
BNA_F
ClientSampleId :
COMP1DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.0	12.3	18.5

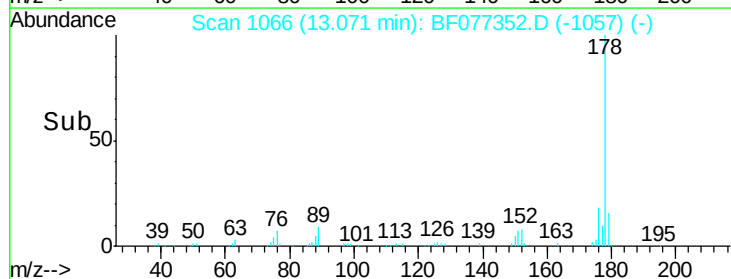
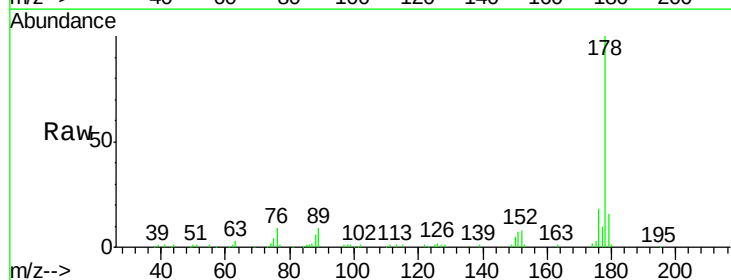
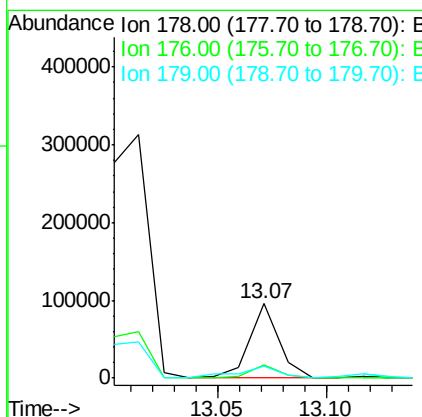
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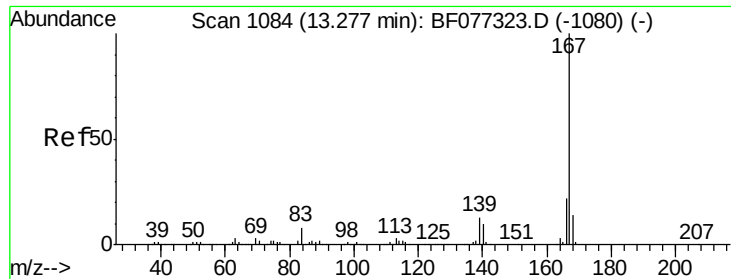
apatel
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#71
Anthracene
Concen: 6.81 ng
RT: 13.07 min Scan# 1066
Delta R.T. 0.00 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.3	22.9
179	15.6	12.8	19.2





#72

Carbazole

Concen: 3.19 ng

RT: 13.28 min Scan# 1084

Delta R.T. 0.00 min

Lab File: BF077352.D

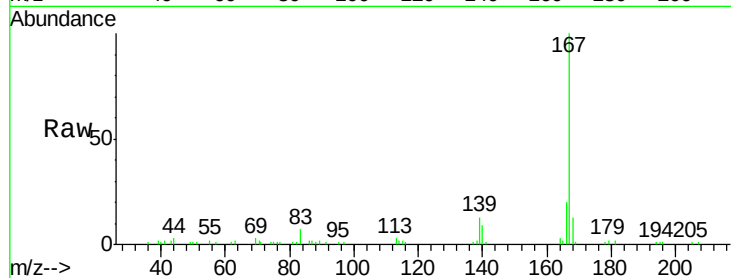
Acq: 18 Feb 2015 9:48

Instrument :

BNA_F

ClientSampleId :

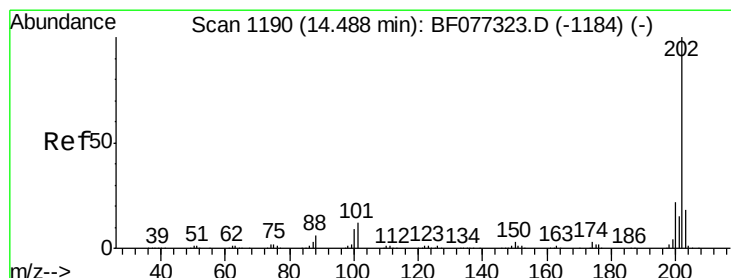
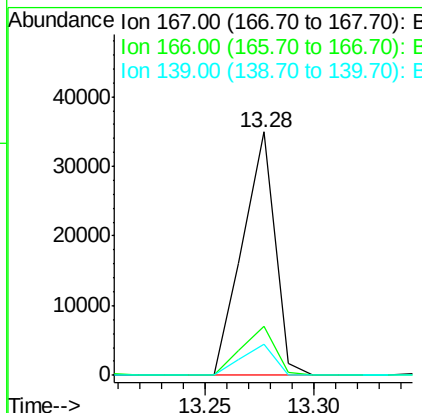
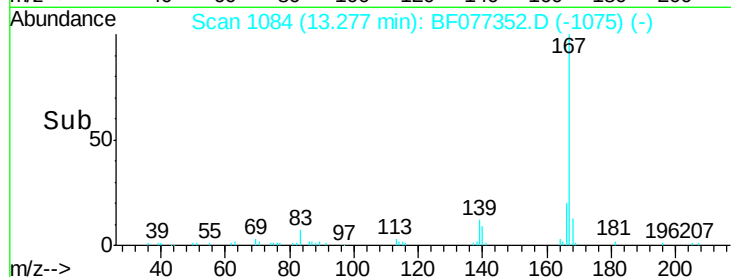
COMP1DL



Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.4	26.2
139	12.5	10.6	15.8

Manual Integrations
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#74

Fluoranthene

Concen: 26.04 ng

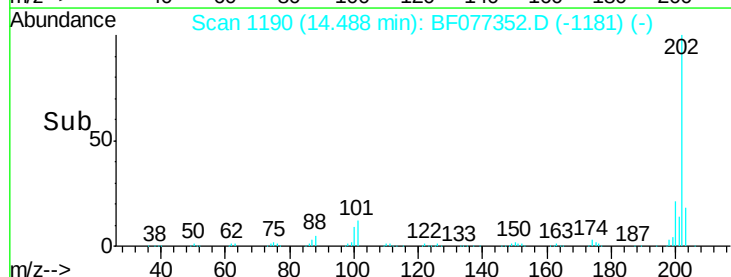
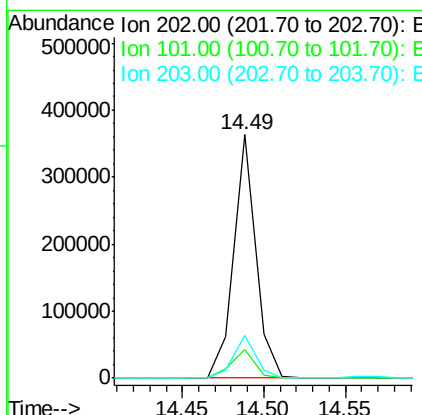
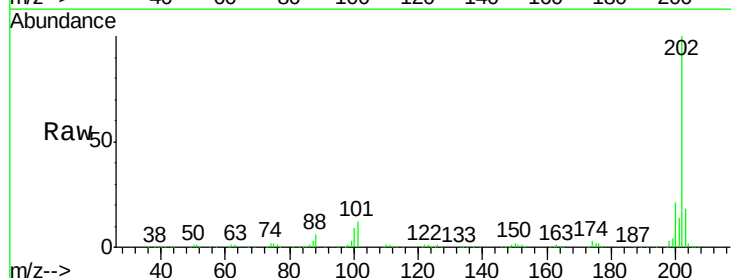
RT: 14.49 min Scan# 1190

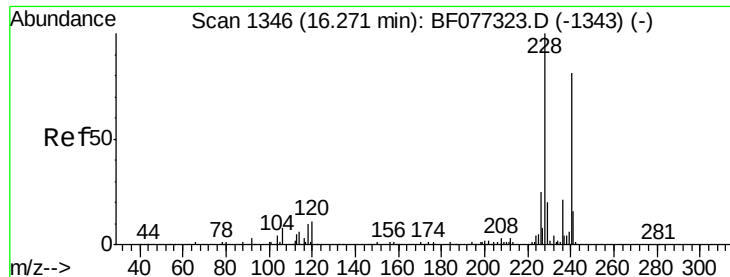
Delta R.T. 0.00 min

Lab File: BF077352.D

Acq: 18 Feb 2015 9:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.4
203	17.6	0.0	37.7





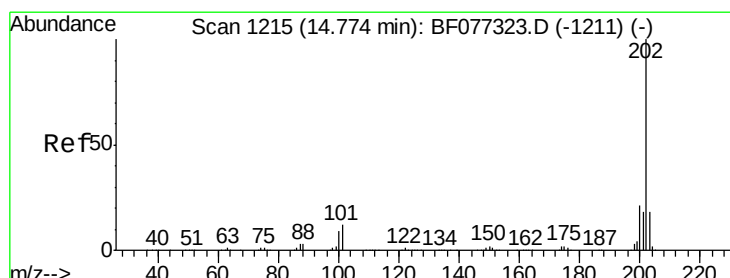
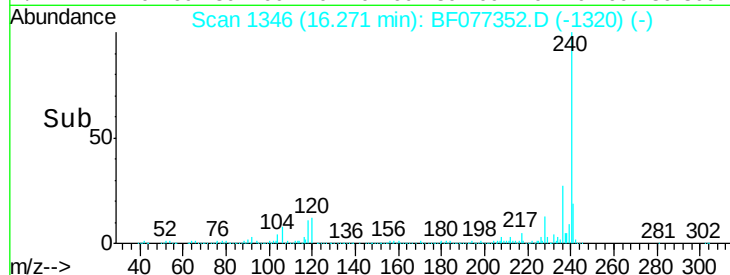
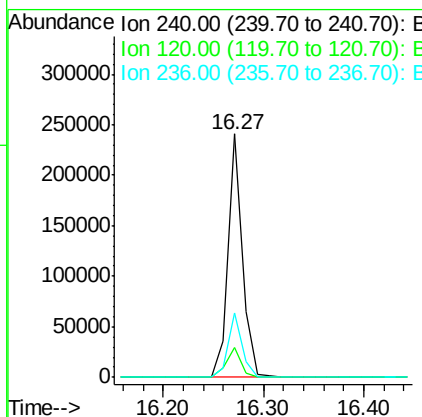
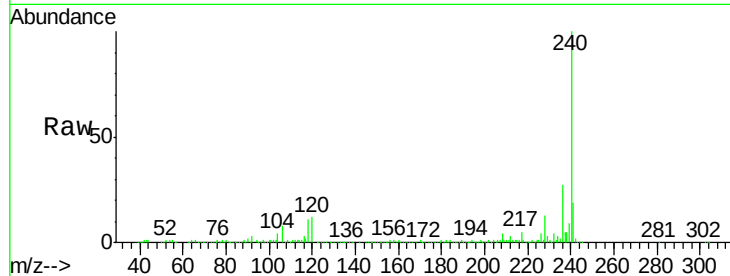
#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.27 min Scan# 1346
Delta R.T. 0.00 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Instrument :
BNA_F
ClientSampleId :
COMP1DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.2	11.3	16.9
236	26.5	20.3	30.5

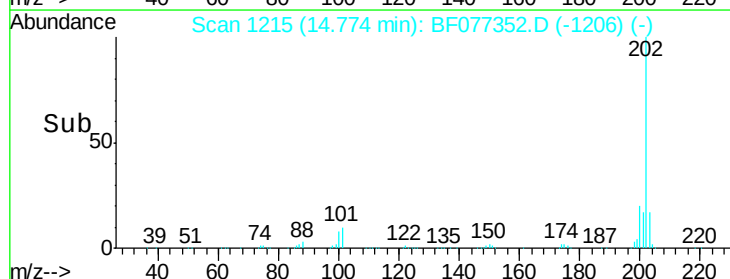
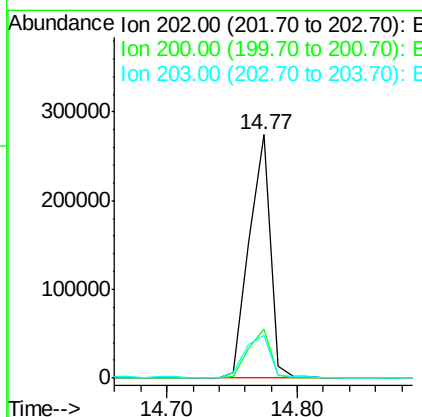
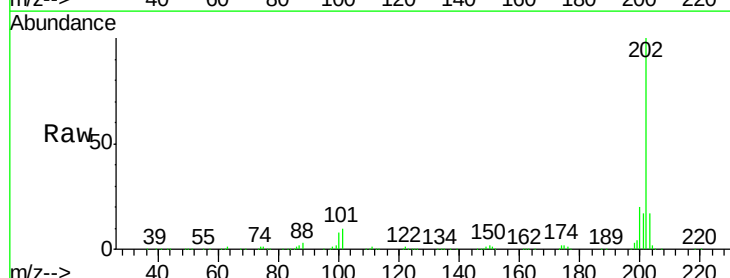
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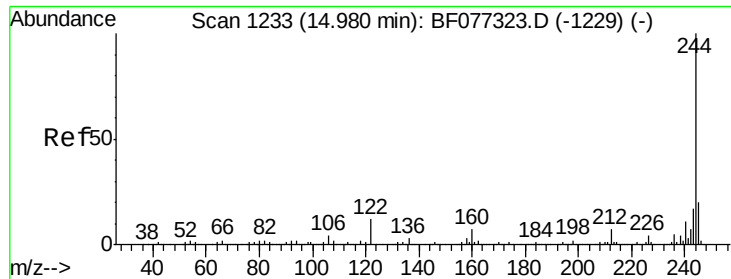
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#77
Pyrene
Concen: 21.11 ng
RT: 14.77 min Scan# 1215
Delta R.T. 0.00 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.3	17.0	25.4
203	17.4	14.2	21.4





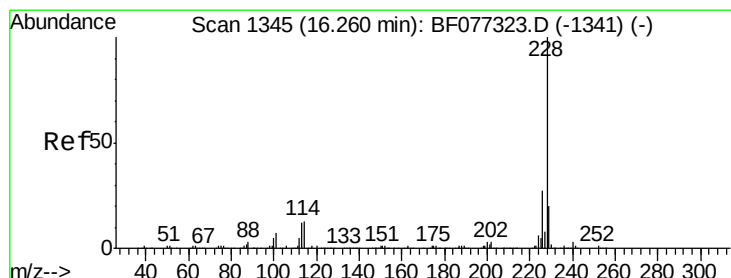
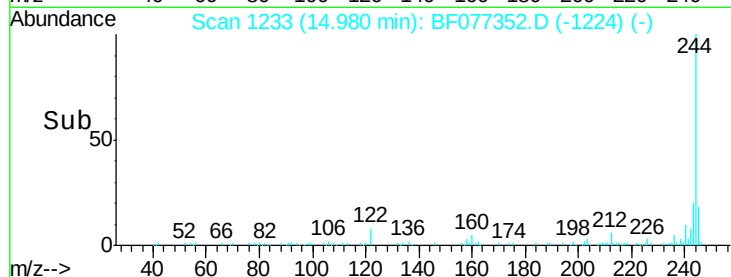
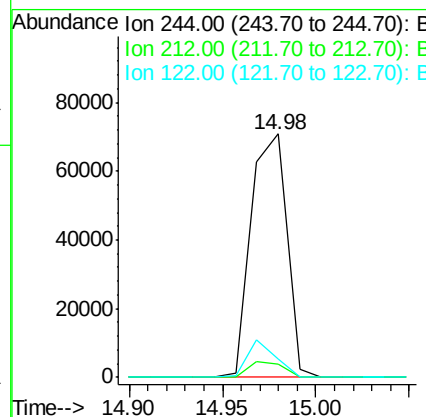
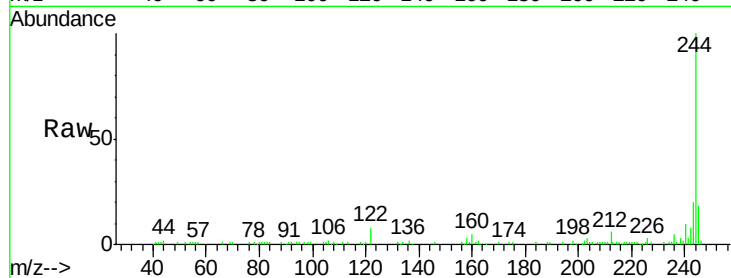
#78
 Terphenyl-d14
 Concen: 8.96 ng
 RT: 14.98 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: BF077352.D
 Acq: 18 Feb 2015 9:48

Instrument :
 BNA_F
 ClientSampleId :
 COMP1DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	5.6	5.4	8.0
122	7.6	9.3	13.9#

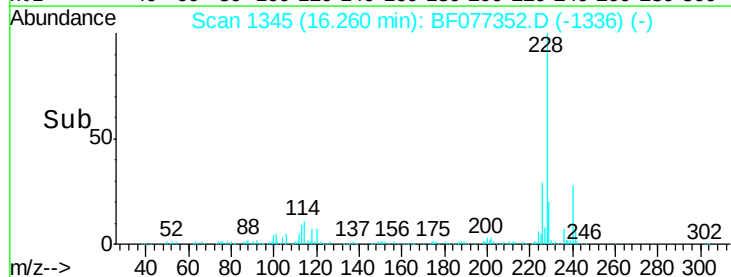
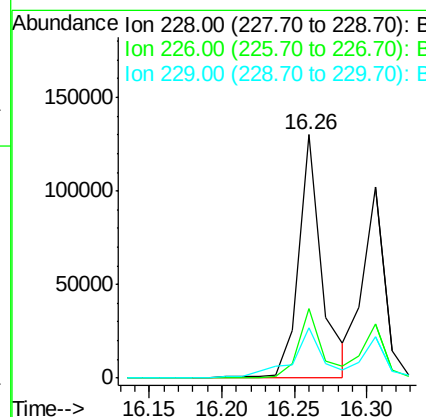
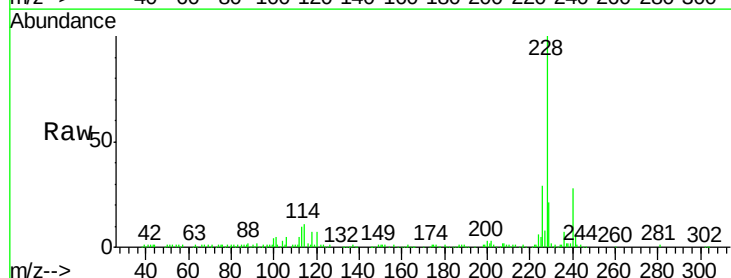
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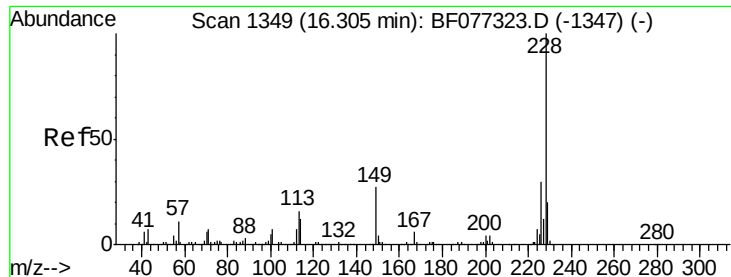
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#80
 Benzo(a)anthracene
 Concen: 10.41 ng
 RT: 16.26 min Scan# 1345
 Delta R.T. 0.00 min
 Lab File: BF077352.D
 Acq: 18 Feb 2015 9:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.8	21.9	32.9
229	20.7	16.1	24.1





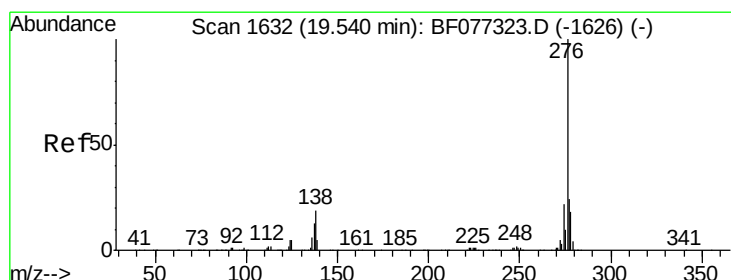
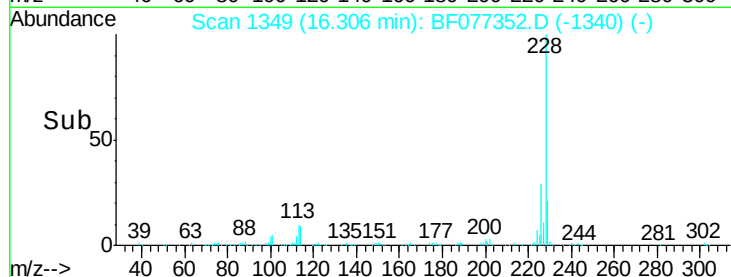
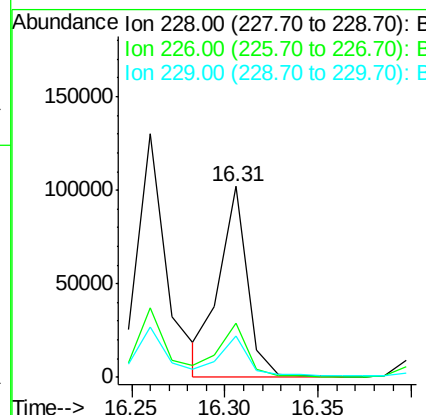
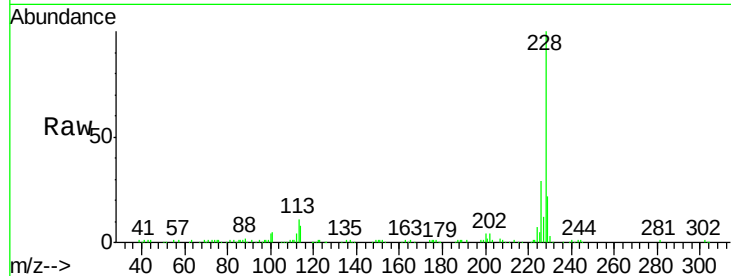
#82
Chrysene
Concen: 8.10 ng
RT: 16.31 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Instrument :
BNA_F
ClientSampleId :
COMP1DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.2	36.2
229	21.6	16.2	24.2

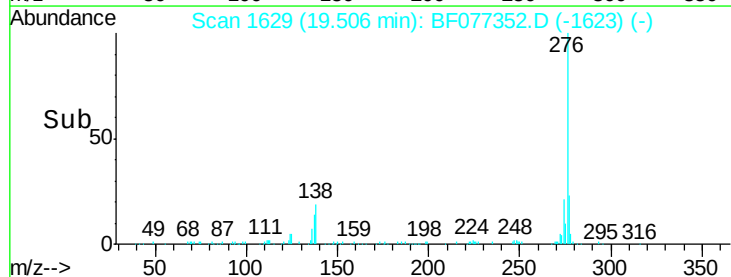
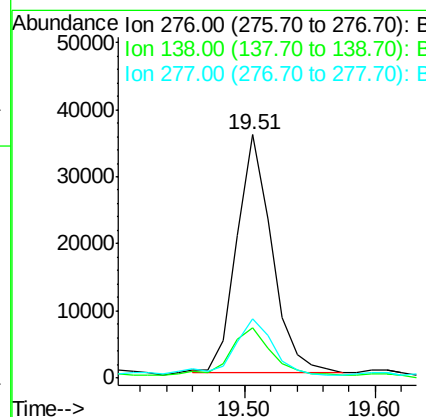
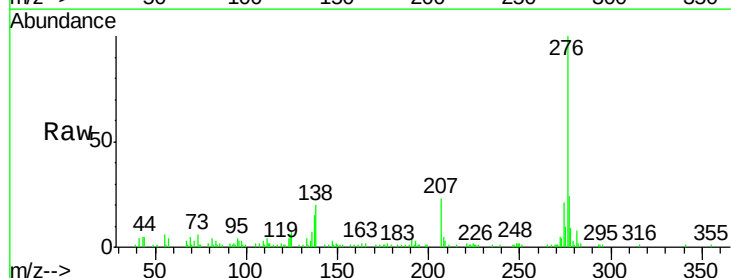
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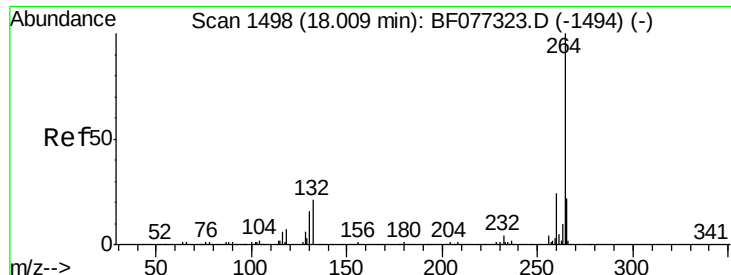
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.40 ng
RT: 19.51 min Scan# 1629
Delta R.T. -0.03 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.2	30.2
277	25.0	20.2	30.2





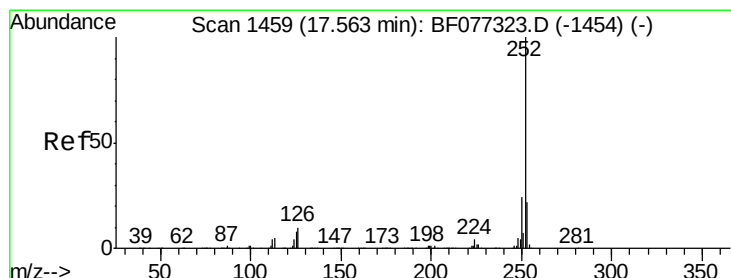
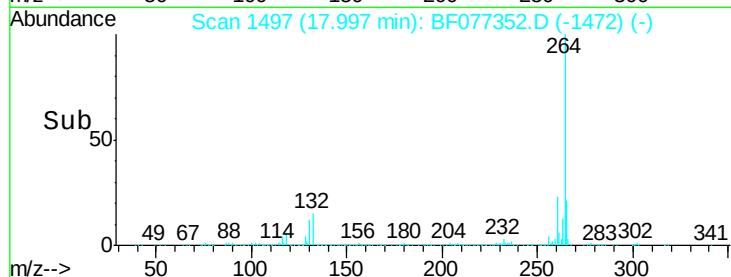
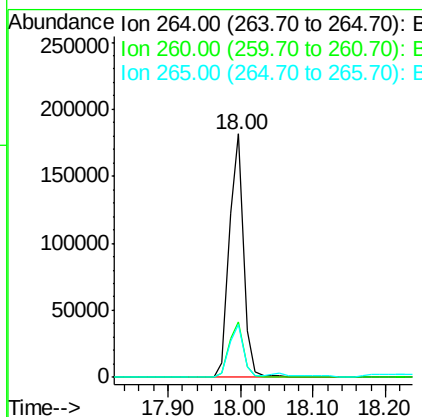
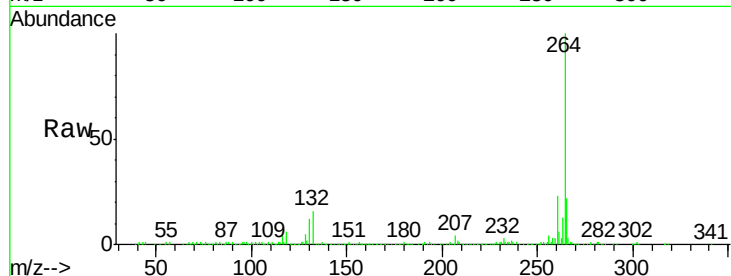
#86
Perylene-d12
Concen: 20.00 ng
RT: 18.00 min Scan# 1497
Delta R.T. -0.01 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Instrument :
BNA_F
ClientSampleId :
COMP1DL

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	22.8	18.9	28.3
265	21.6	17.7	26.5

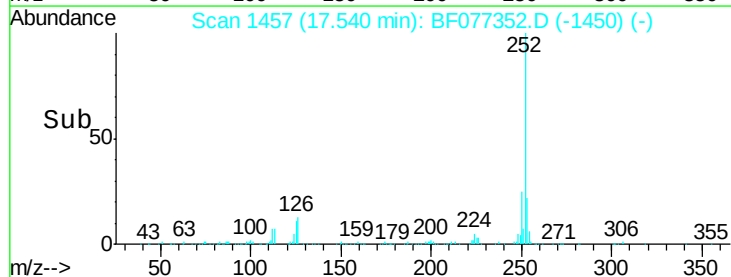
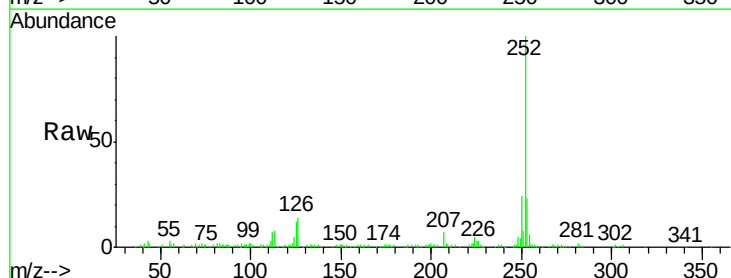
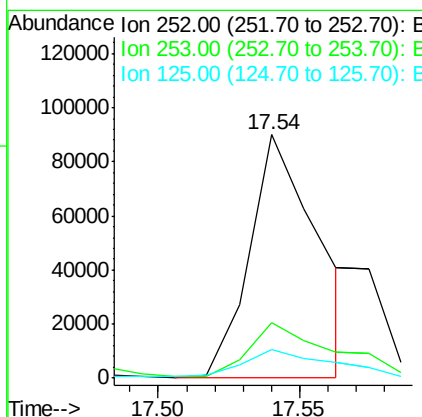
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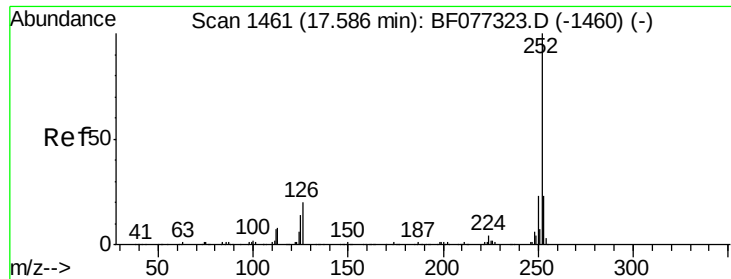
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#87
Benzo(b)fluoranthene
Concen: 9.51 ng m
RT: 17.54 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.6	17.3	25.9
125	11.7	6.1	9.1#





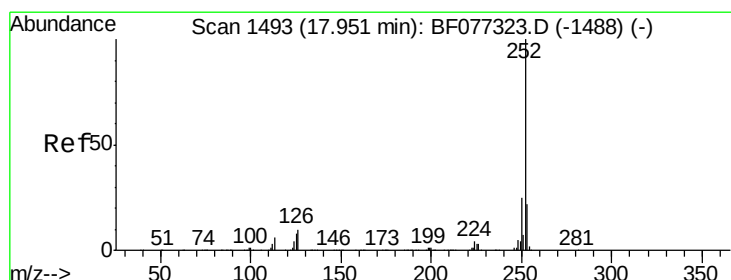
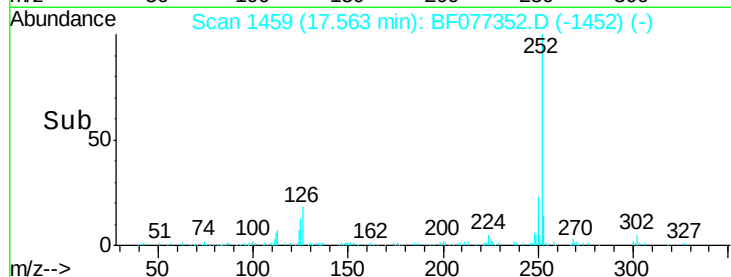
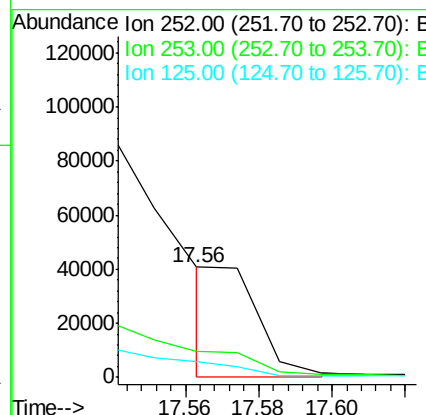
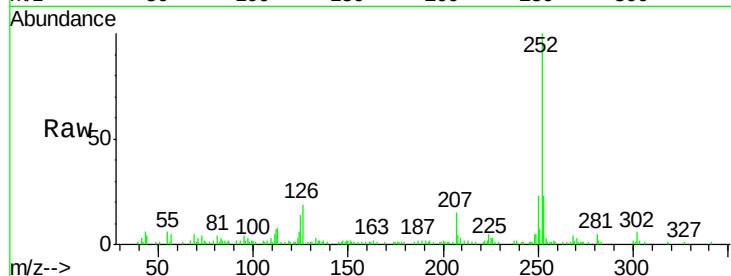
#88
Benzo(k)fluoranthene
Concen: 2.46 ng m
RT: 17.56 min Scan# 1459
Delta R.T. -0.02 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Instrument :
BNA_F
ClientSampleId :
COMP1DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	13.9	11.0	16.4

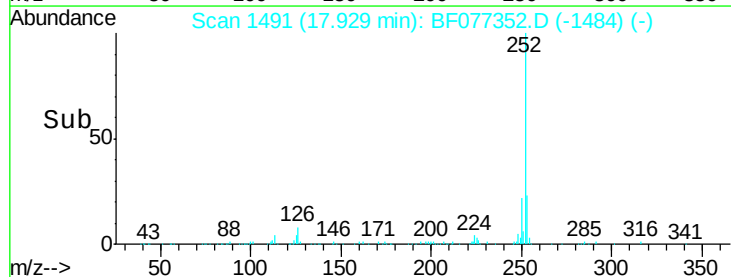
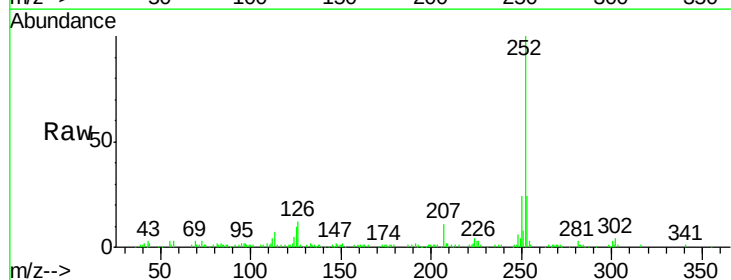
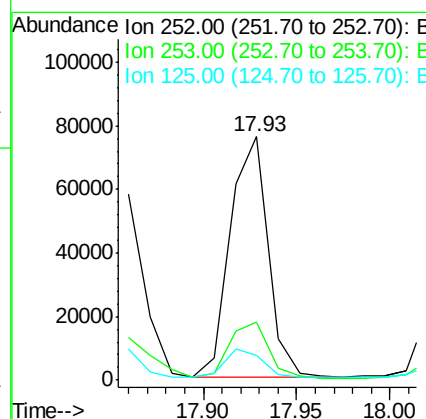
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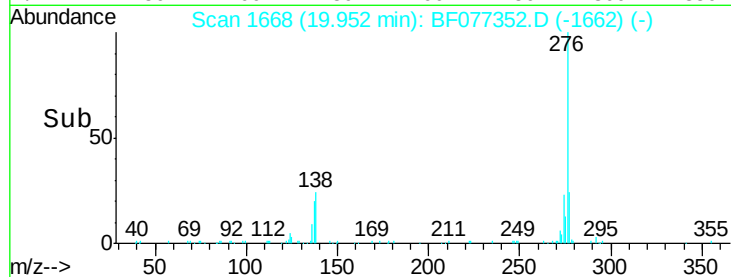
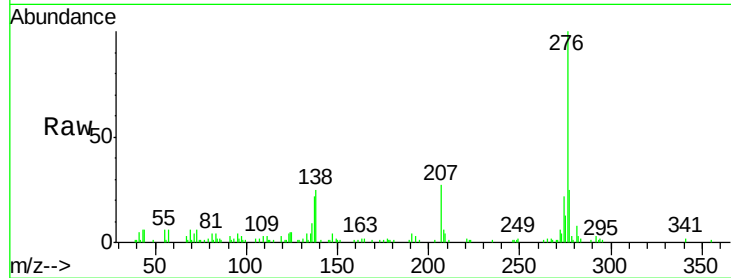
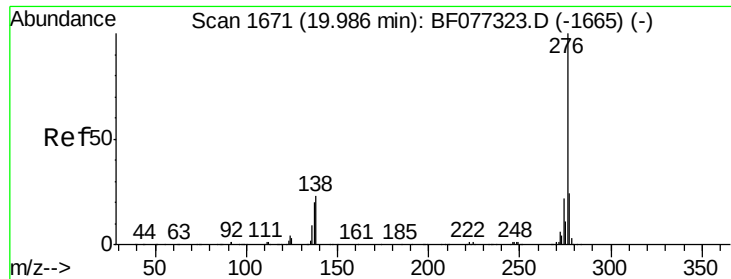
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#89
Benzo(a)pyrene
Concen: 7.69 ng
RT: 17.93 min Scan# 1491
Delta R.T. -0.02 min
Lab File: BF077352.D
Acq: 18 Feb 2015 9:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	10.3	6.2	9.2#





#91
 Benzo(g,h,i)perylene
 Concen: 5.06 ng
 RT: 19.95 min Scan# 1668
 Delta R.T. -0.03 min
 Lab File: BF077352.D
 Acq: 18 Feb 2015 9:48

Instrument :
 BNA_F
 ClientSampleId :
 COMP1DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.6
138	25.1	18.7	28.1

Manual Integrations
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