

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077072.D
 Acq On : 27 Jan 2015 4:14
 Operator : TP/IZ
 Sample : G1159-04
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-84(17-19)

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Quant Time: Jan 27 06:06:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 27 01:21:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	23088	20.00	ng	0.01
21) Naphthalene-d8	10.68	136	95175	20.00	ng	0.00
38) Acenaphthene-d10	14.80	164	46661	20.00	ng	0.00
63) Phenanthrene-d10	17.64	188	84306	20.00	ng	0.00
75) Chrysene-d12	21.15	240	78659	20.00	ng	0.00
86) Perylene-d12	22.80	264	72137	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.80	112	181030	128.92	ng	0.01
7) Phenol-d6	7.18	99	232172	131.06	ng	0.01
23) Nitrobenzene-d5	9.06	82	144960	84.38	ng	0.00
41) 2,4,6-Tribromophenol	16.53	330	52166	137.73	ng	0.01
44) 2-Fluorobiphenyl	13.34	172	258247	84.22	ng	0.01
78) Terphenyl-d14	19.89	244	238348	69.76	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.20	94	8497	4.52	ng	82
31) Naphthalene	10.72	128	14472	2.95	ng	97
49) Dimethylphthalate	14.40	163	12684	3.83	ng	# 93
51) Acenaphthene	14.88	154	8743	3.21	ng	96
57) Fluorene	16.05	166	8447	2.51	ng	94
70) Phenanthrene	17.67	178	81720	15.54	ng	98
71) Anthracene	17.75	178	21185	4.13	ng	98
72) Carbazole	18.04	167	11792	2.37	ng	100
74) Fluoranthene	19.33	202	97506	18.10	ng	97
77) Pyrene	19.60	202	78926	14.64	ng	96
80) Benzo(a)anthracene	21.13	228	50506	10.23	ng	98
82) Chrysene	21.18	228	39564m	8.79	ng	
85) Indeno(1,2,3-cd)pyrene	23.91	276	24505	5.14	ng	# 76
87) Benzo(b)fluoranthene	22.39	252	56285m	11.58	ng	
88) Benzo(k)fluoranthene	22.40	252	21090m	4.97	ng	
89) Benzo(a)pyrene	22.73	252	42343	9.88	ng	# 90
91) Benzo(g,h,i)perylene	24.19	276	26643	6.82	ng	# 93

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

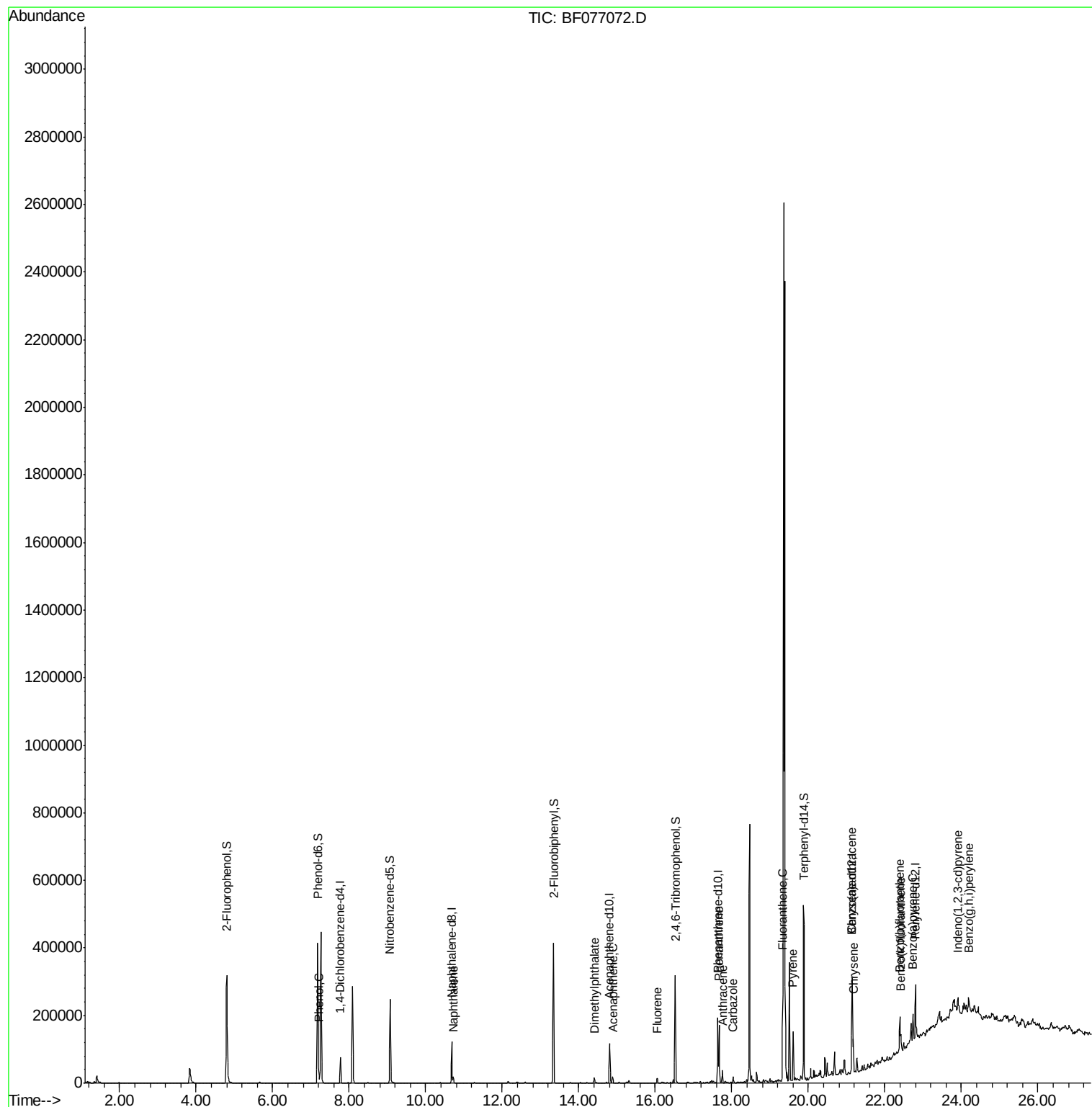
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077072.D
Acq On : 27 Jan 2015 4:14
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Sample : G1159-04
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ALS Vial : 26 Sample Multiplier: 1

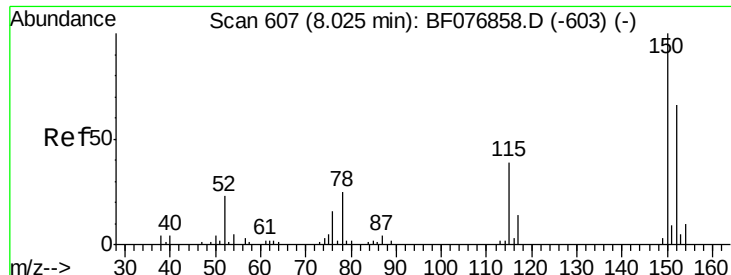
Instrument :
BNA_F
ClientSampleId :
SB-84(17-19)

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Quant Time: Jan 27 06:06:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.77 min Scan# 585

Delta R.T. 0.01 min

Lab File: BF077072.D

Acq: 27 Jan 2015 4:14

Instrument :

BNA_F

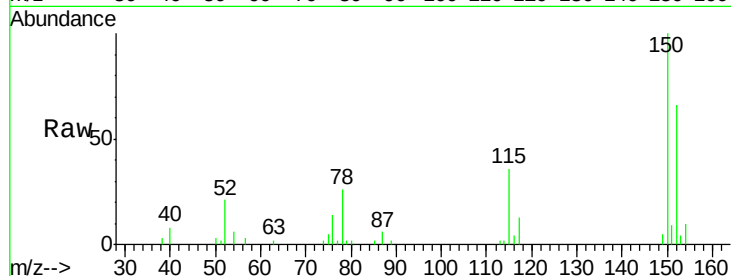
ClientSampleId :

SB-84(17-19)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.0	121.7	182.5
115	55.4	47.0	70.6

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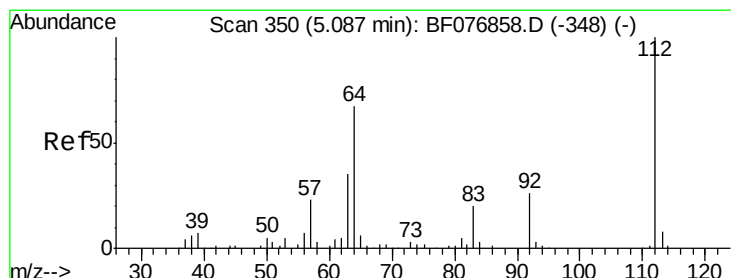
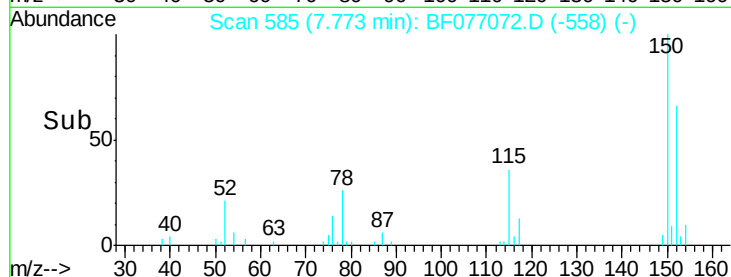
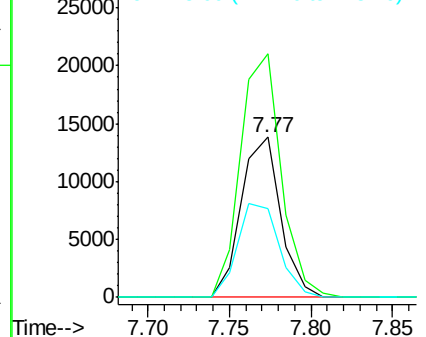


Abundance

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



#5

2-Fluorophenol

Concen: 128.92 ng

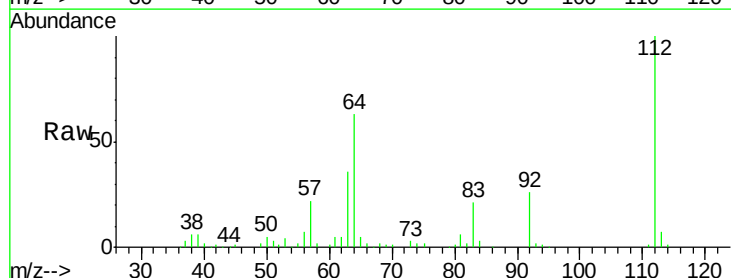
RT: 4.80 min Scan# 325

Delta R.T. 0.01 min

Lab File: BF077072.D

Acq: 27 Jan 2015 4:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	54.2	81.4
63	35.7	28.4	42.6

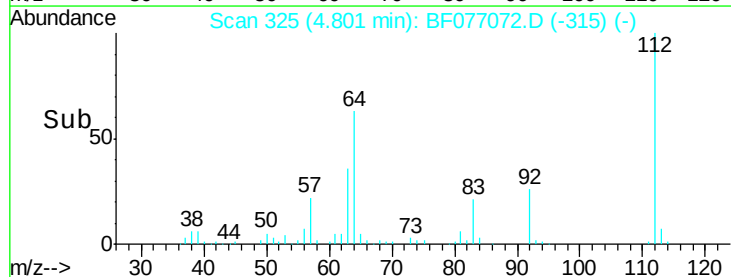
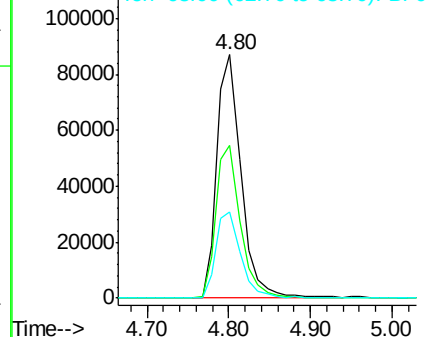


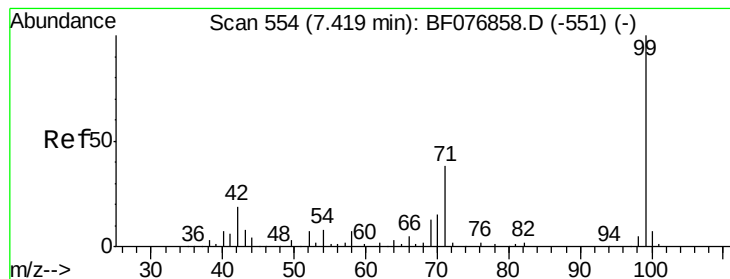
Abundance

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: 131.06 ng

RT: 7.18 min Scan# 533

Delta R.T. 0.01 min

Lab File: BF077072.D

Acq: 27 Jan 2015 4:14

Instrument :

BNA_F

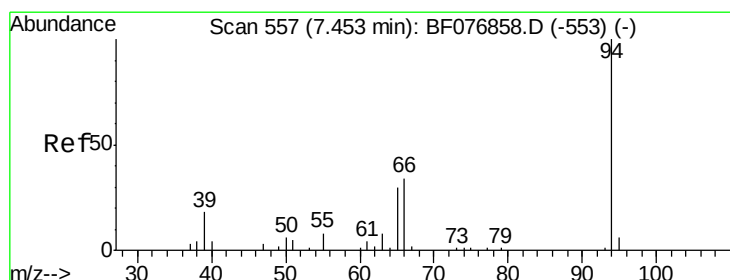
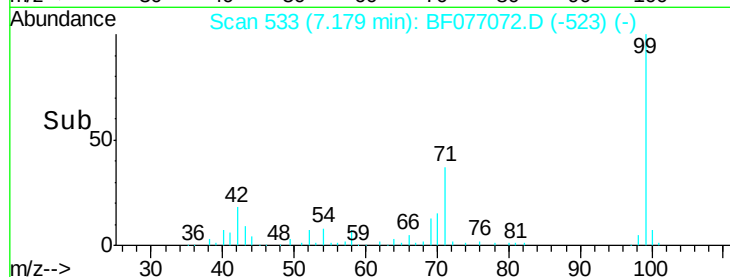
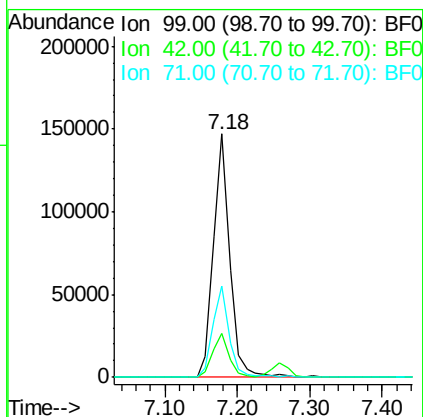
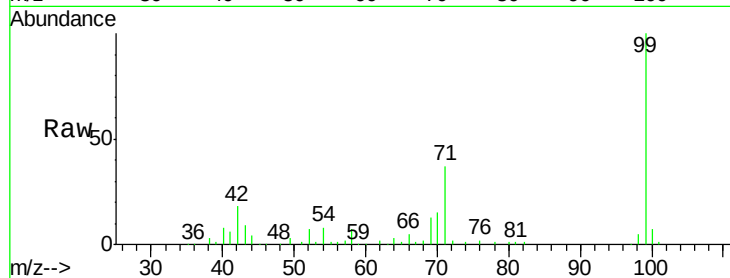
ClientSampleId :

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Tgt Ion:	99	Resp:	232172
Ion Ratio	Lower	Upper	
99	100		
42	17.9	15.0	22.4
71	37.4	30.5	45.7

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#10

Phenol

Concen: 4.52 ng

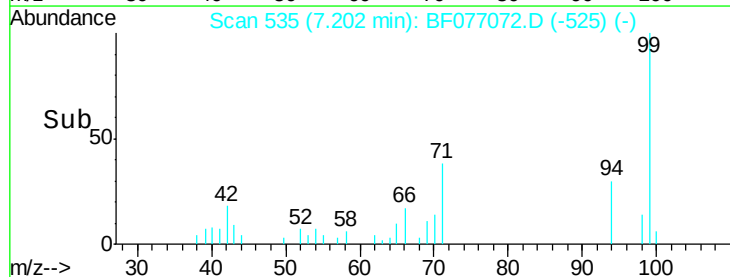
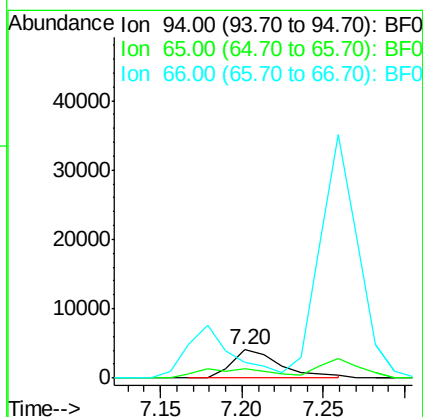
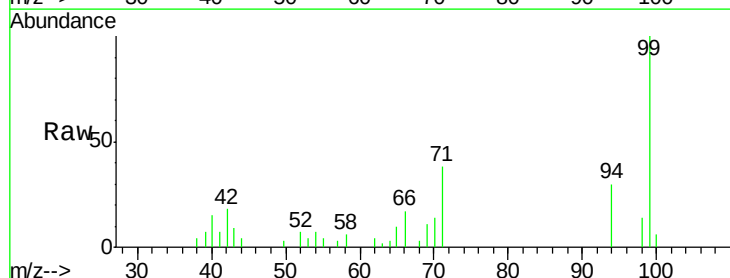
RT: 7.20 min Scan# 535

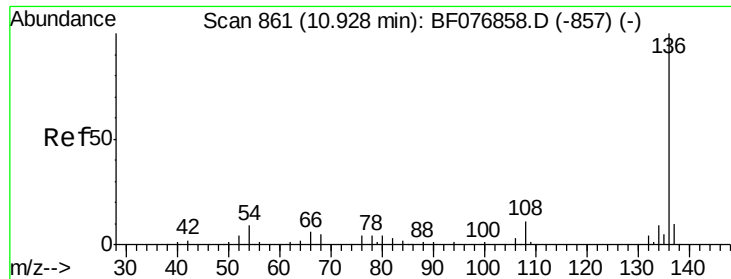
Delta R.T. 0.01 min

Lab File: BF077072.D

Acq: 27 Jan 2015 4:14

Tgt Ion:	94	Resp:	8497
Ion Ratio	Lower	Upper	
94	100		
65	34.6	11.3	51.3
66	56.4	19.5	59.5





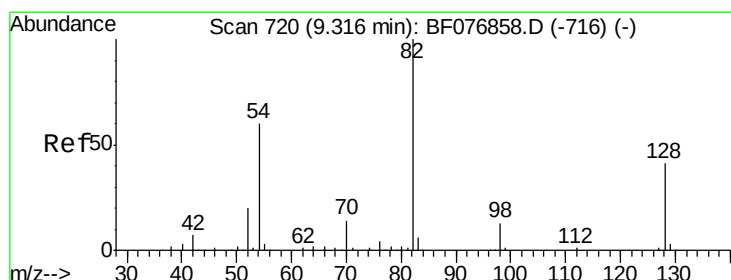
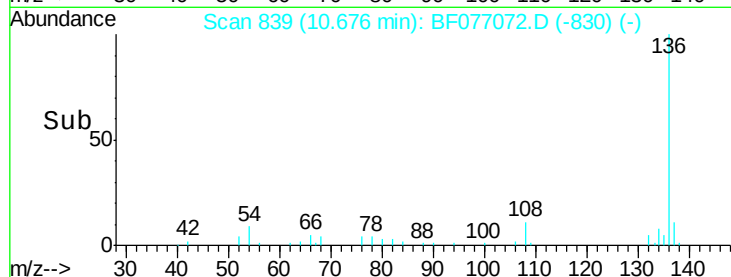
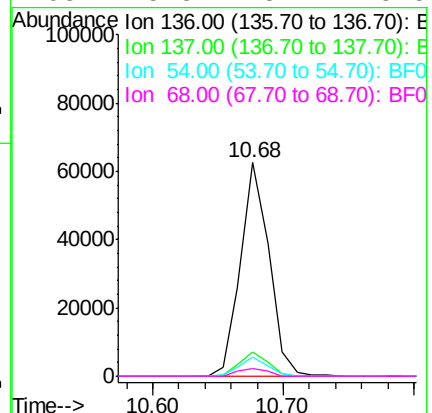
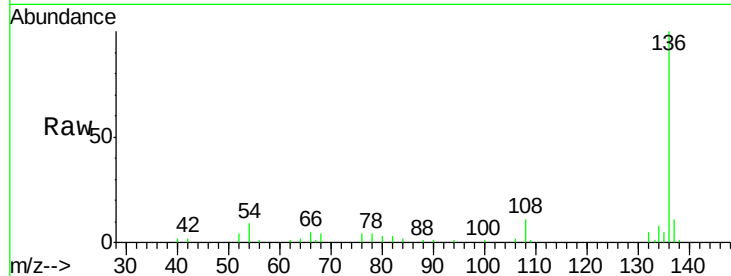
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.68 min Scan# 839
Delta R.T. 0.00 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Instrument :
BNA_F
ClientSampled :
SB-84(17-19)

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	95175		
137	11.3	8.1	12.1	
54	9.0	7.0	10.4	
68	3.8	3.7	5.5	

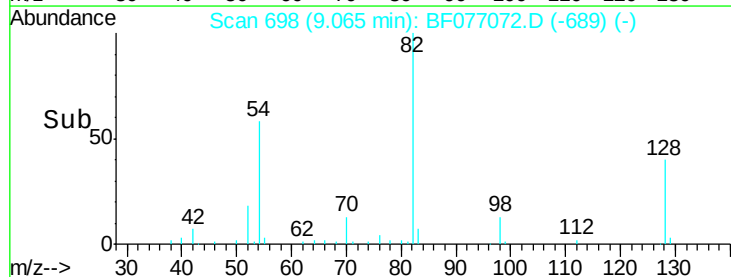
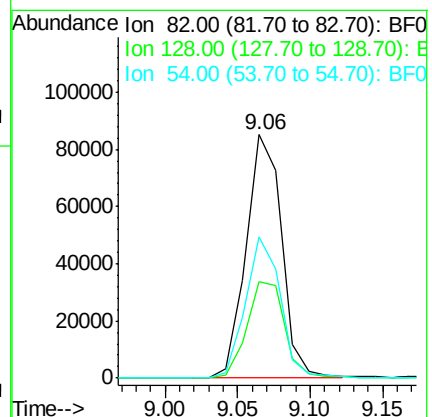
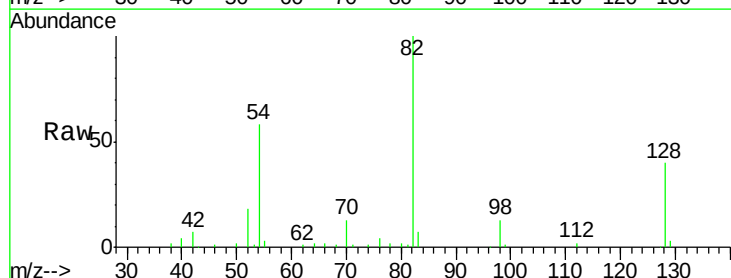
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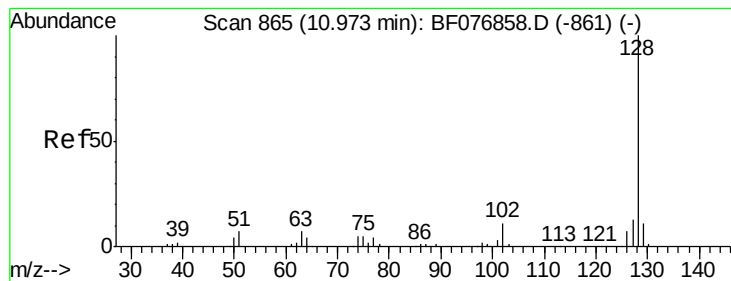
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#23
Nitrobenzene-d5
Concen: 84.38 ng
RT: 9.06 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	144960		
128	39.8	33.1	49.7	
54	58.1	48.3	72.5	





#31

Naphthalene

Concen: 2.95 ng

RT: 10.72 min Scan# 843

Delta R.T. 0.00 min

Lab File: BF077072.D

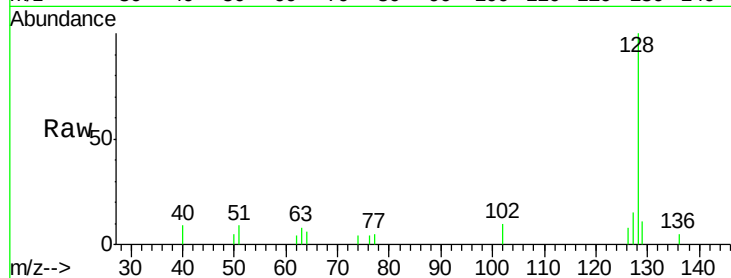
Acq: 27 Jan 2015 4:14

Instrument :

BNA_F

ClientSampleId :

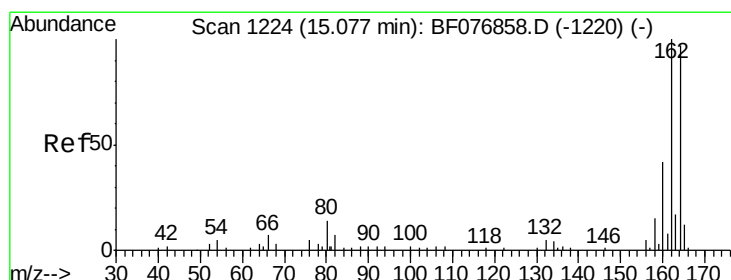
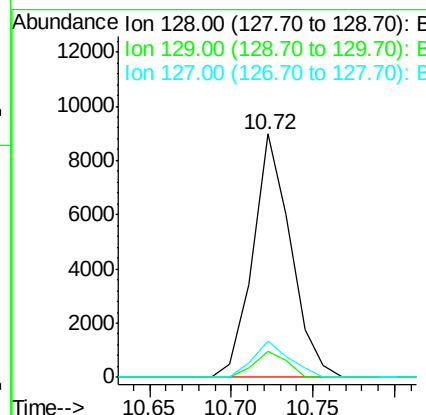
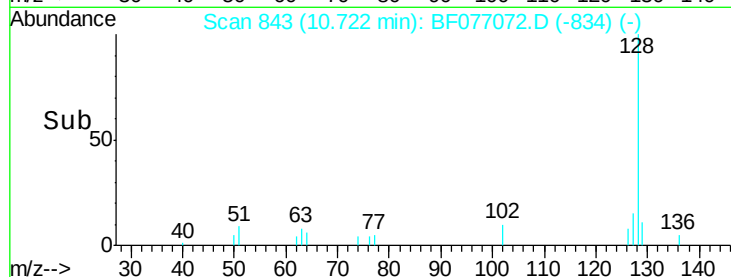
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	14.8	10.2	15.2

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#38

Acenaphthene-d10

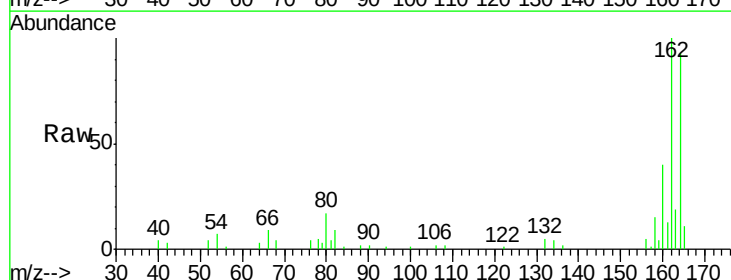
Concen: 20.00 ng

RT: 14.80 min Scan# 1200

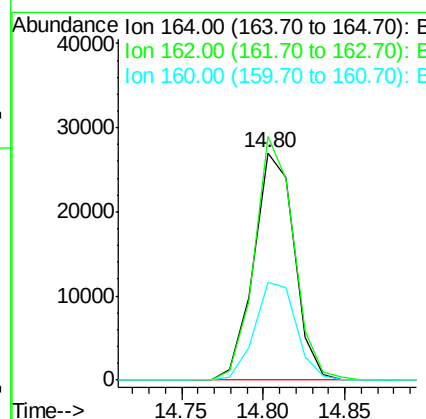
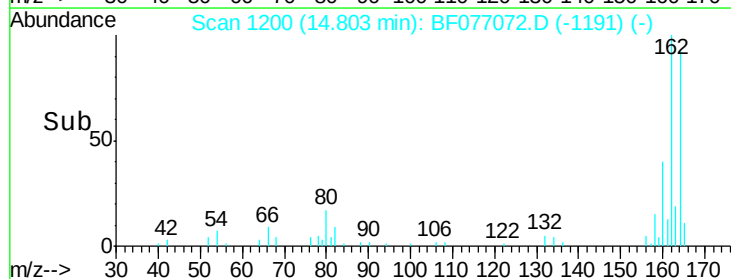
Delta R.T. 0.00 min

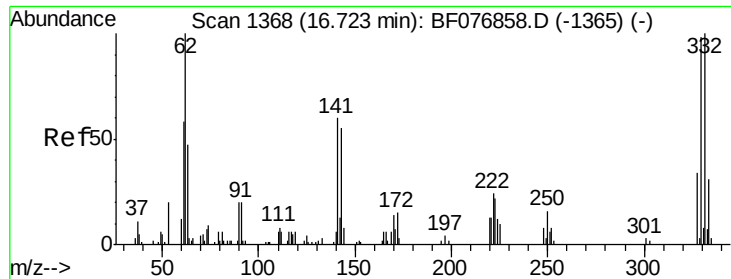
Lab File: BF077072.D

Acq: 27 Jan 2015 4:14



Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.0	82.4	123.6
160	43.0	34.8	52.2





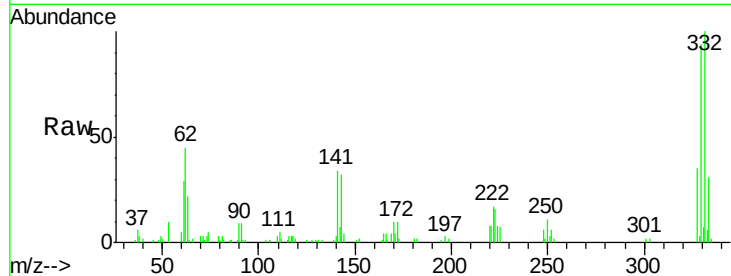
#41
 2,4,6-Tribromophenol
 Concen: 137.73 ng
 RT: 16.53 min Scan# 1351
 Delta R.T. 0.01 min
 Lab File: BF077072.D
 Acq: 27 Jan 2015 4:14

Instrument :
 BNA_F
 ClientSampled :
 SB-84(17-19)

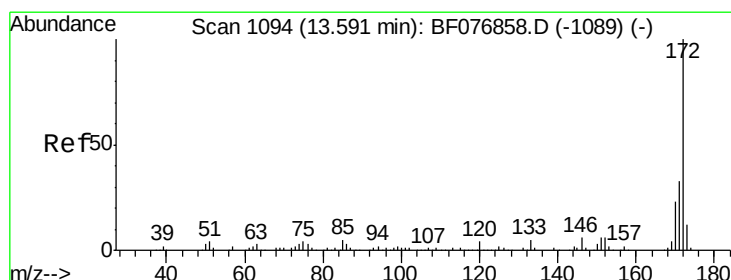
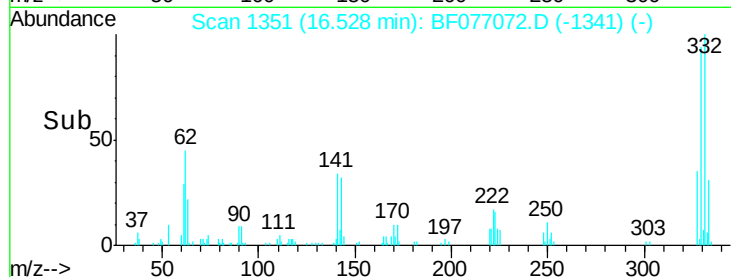
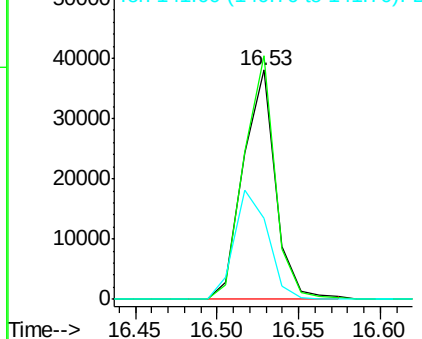
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	52166		
332	101.5	77.8	116.6	
141	49.9	38.5	57.7	

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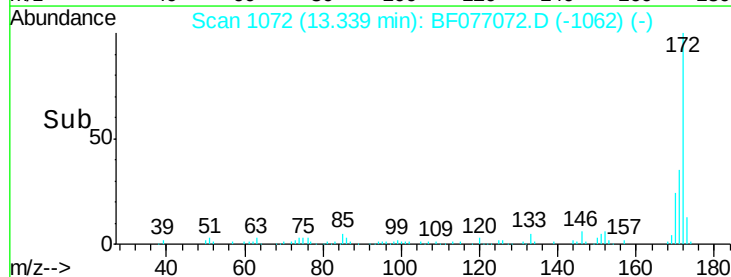
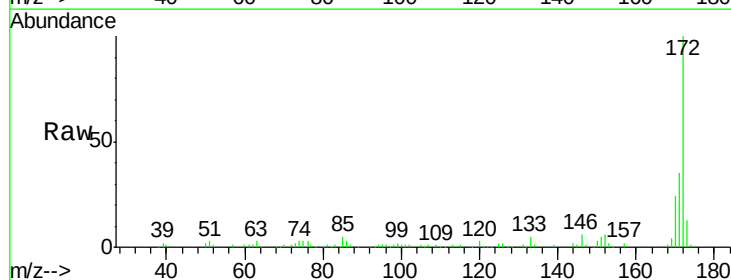
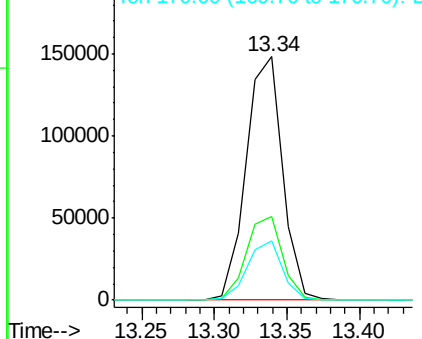
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

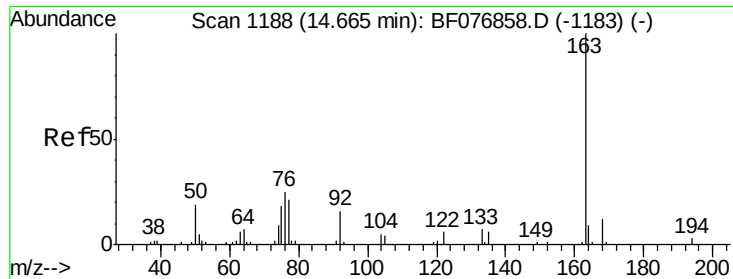


#44
 2-Fluorobiphenyl
 Concen: 84.22 ng
 RT: 13.34 min Scan# 1072
 Delta R.T. 0.01 min
 Lab File: BF077072.D
 Acq: 27 Jan 2015 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	258247		
171	34.6	26.6	40.0	
170	24.1	18.0	27.0	

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





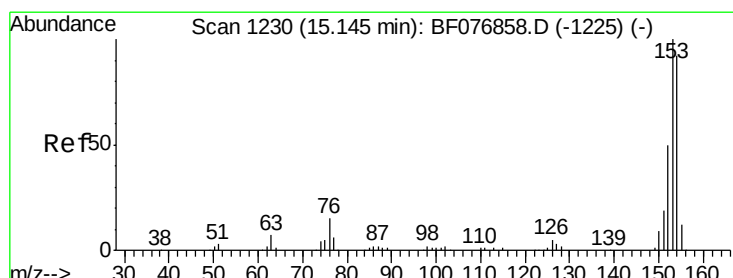
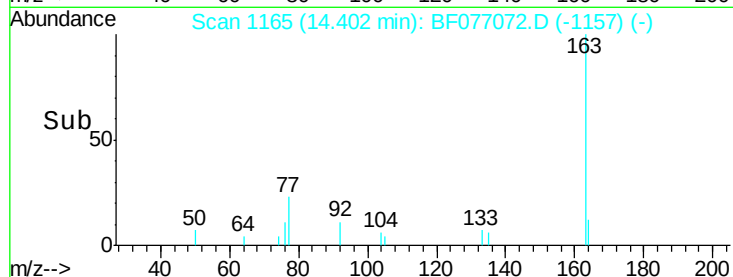
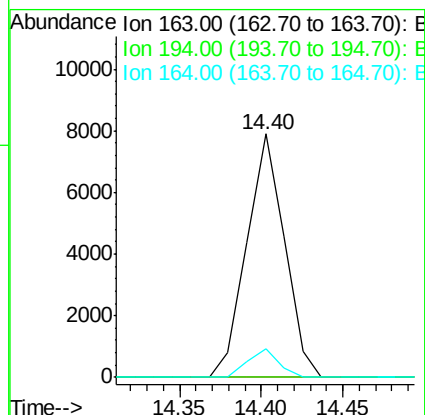
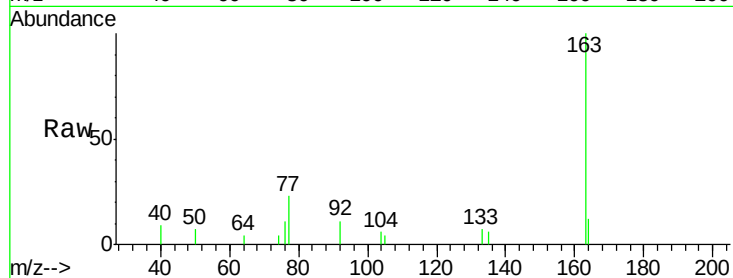
#49
Dimethylphthalate
Concen: 3.83 ng
RT: 14.40 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	12684		
194	0.0	2.6	4.0#	
164	11.7	7.5	11.3#	

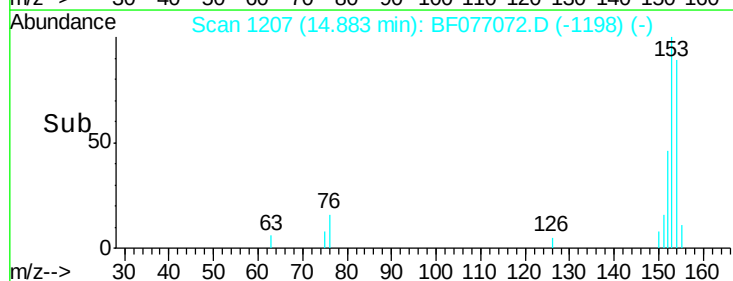
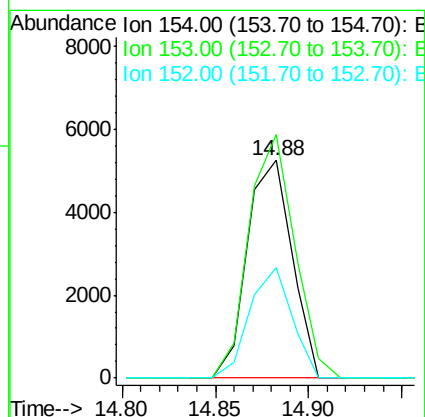
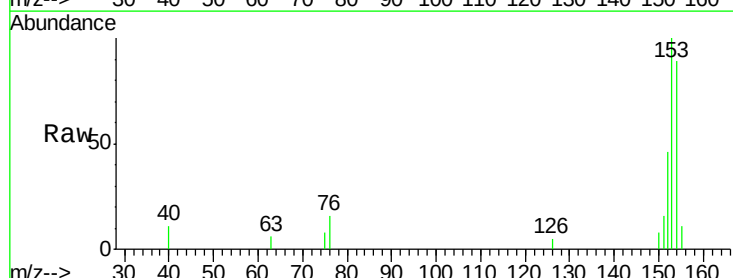
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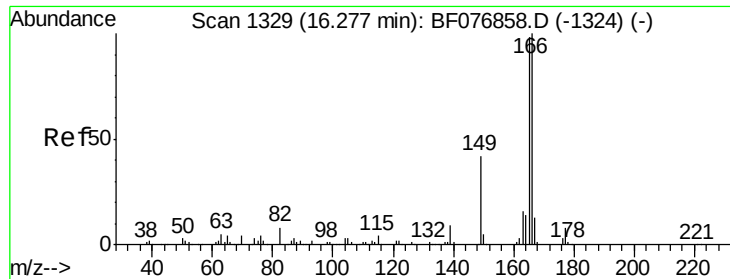
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#51
Acenaphthene
Concen: 3.21 ng
RT: 14.88 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	8743		
153	111.8	87.0	130.6	
152	50.9	43.5	65.3	





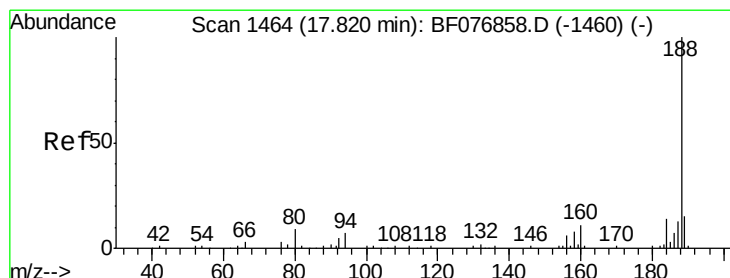
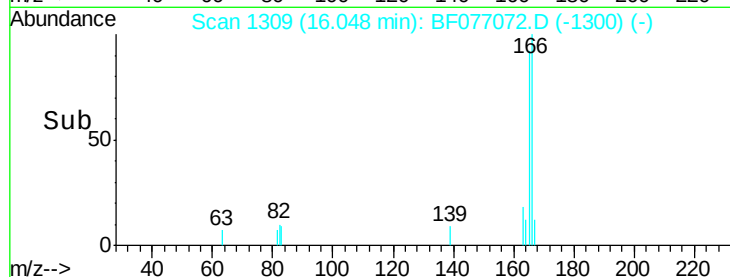
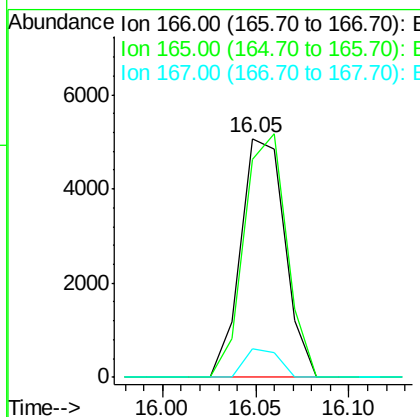
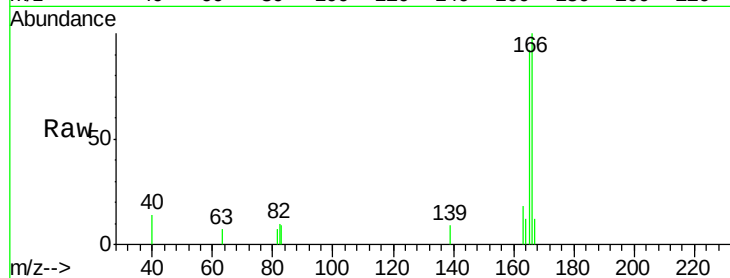
#57
 Fluorene
 Concen: 2.51 ng
 RT: 16.05 min Scan# 1309
 Delta R.T. 0.00 min
 Lab File: BF077072.D
 Acq: 27 Jan 2015 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-84(17-19)

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.6	78.5	117.7
167	12.2	10.4	15.6

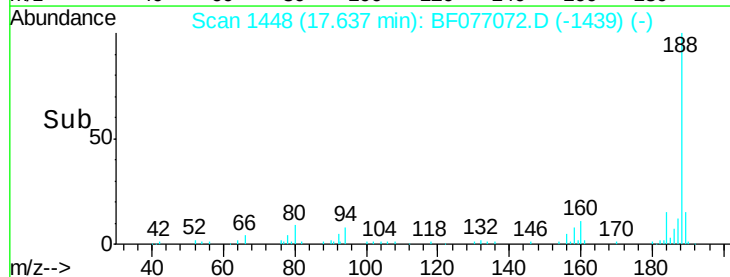
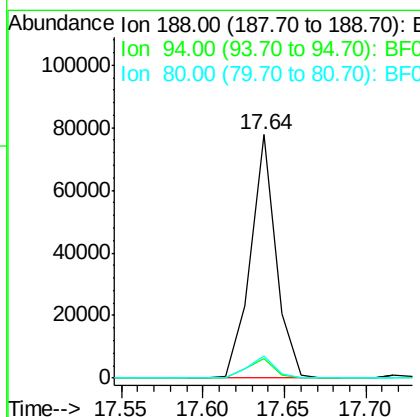
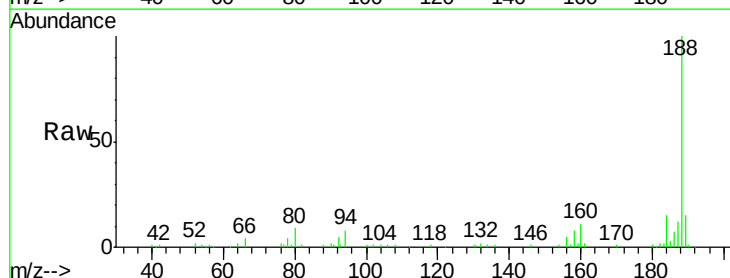
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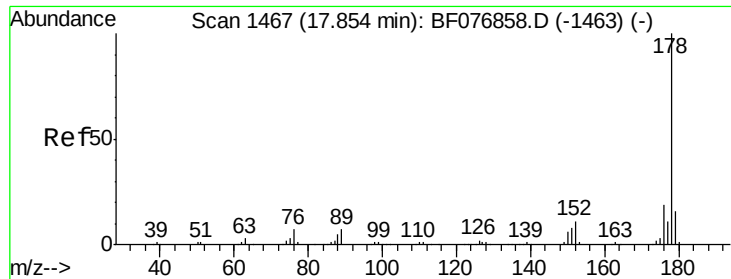
apatel
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.64 min Scan# 1448
 Delta R.T. 0.00 min
 Lab File: BF077072.D
 Acq: 27 Jan 2015 4:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.0	9.0
80	9.1	6.9	10.3





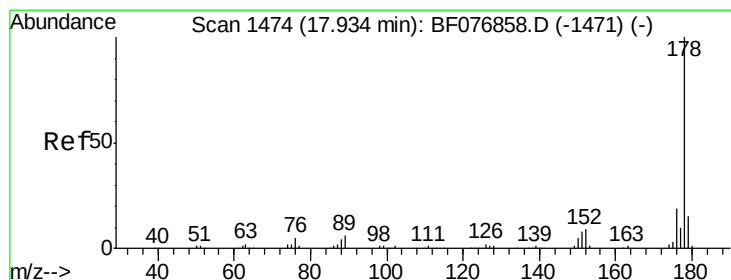
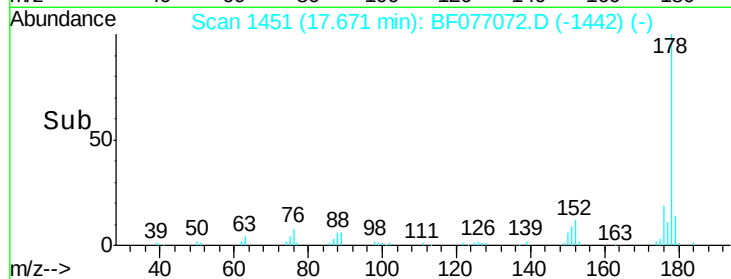
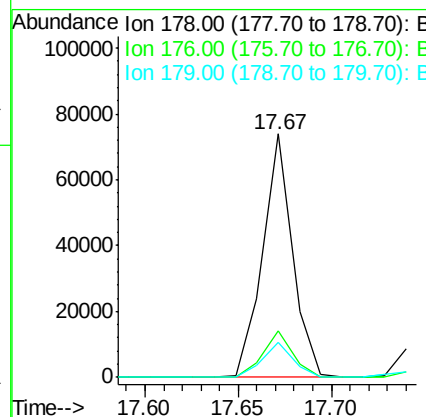
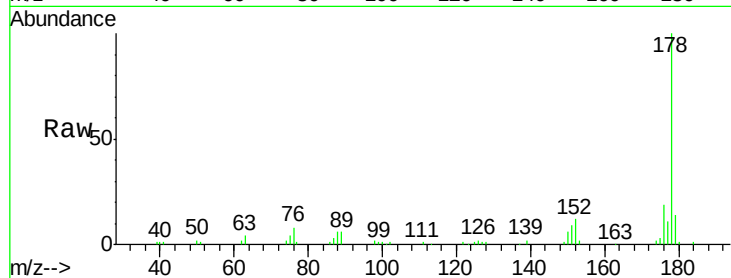
#70
Phenanthrene
Concen: 15.54 ng
RT: 17.67 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Instrument :
BNA_F
ClientSampleId :
SB-84(17-19)

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	81720		
176	18.9	15.1	22.7	
179	14.5	12.7	19.1	

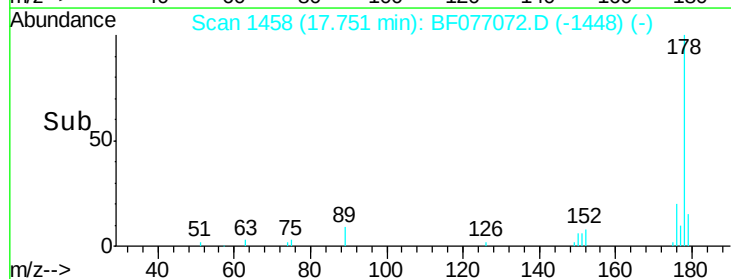
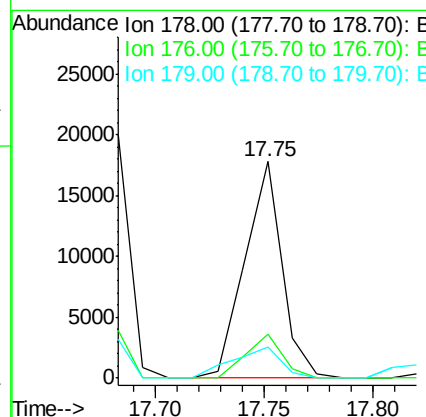
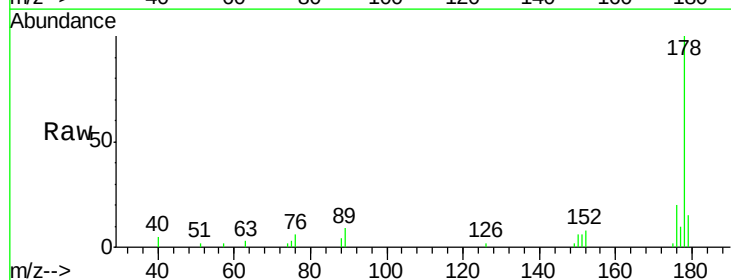
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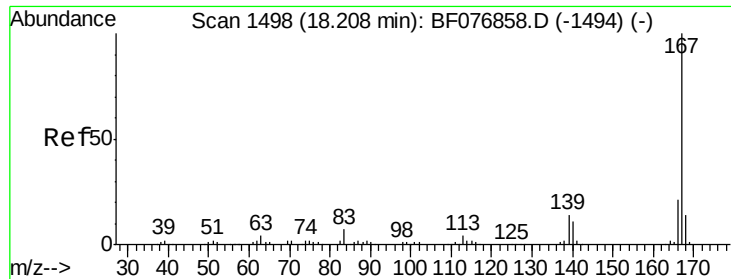
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#71
Anthracene
Concen: 4.13 ng
RT: 17.75 min Scan# 1458
Delta R.T. 0.01 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	21185		
176	20.3	15.4	23.0	
179	14.6	11.9	17.9	





#72

Carbazole

Concen: 2.37 ng

RT: 18.04 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BF077072.D

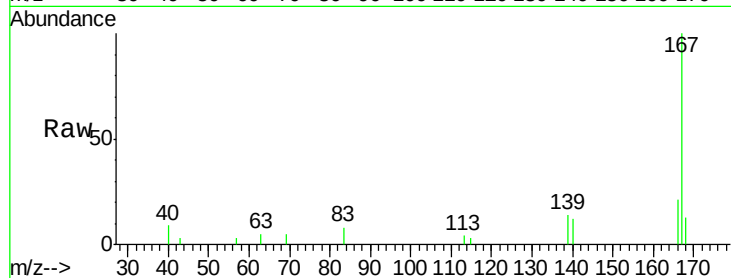
Acq: 27 Jan 2015 4:14

Instrument :

BNA_F

ClientSampled :

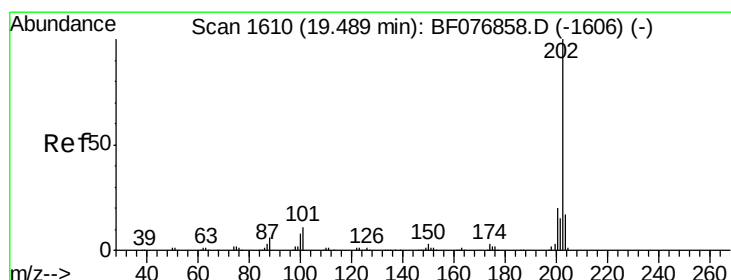
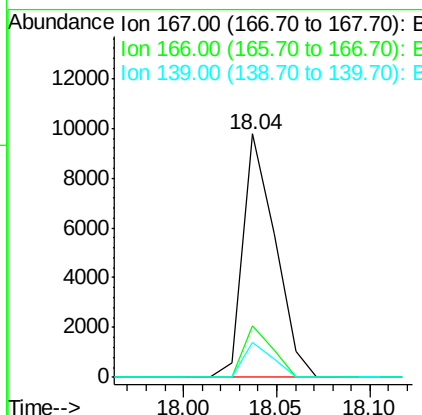
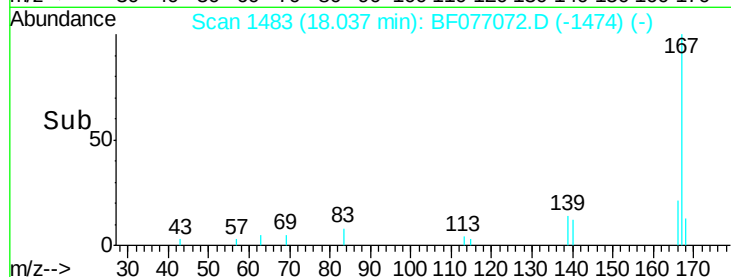
SB-84(17-19)



Tgt Ion:	167	Resp:	11792
Ion Ratio	Lower	Upper	
167	100		
166	21.2	17.0	25.6
139	14.2	11.3	16.9

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#74

Fluoranthene

Concen: 18.10 ng

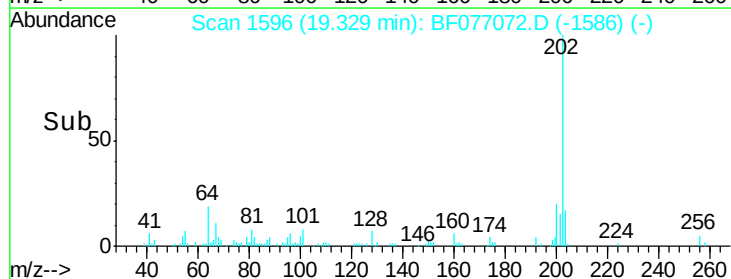
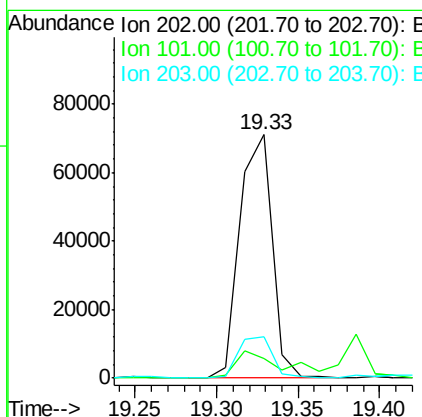
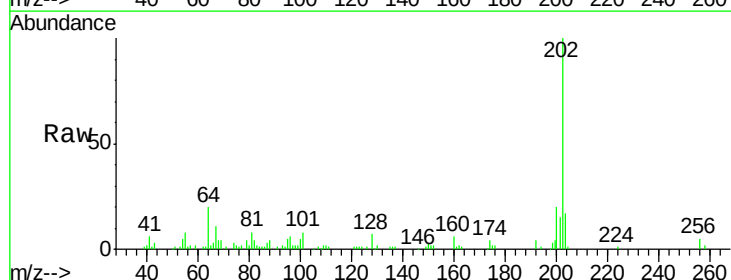
RT: 19.33 min Scan# 1596

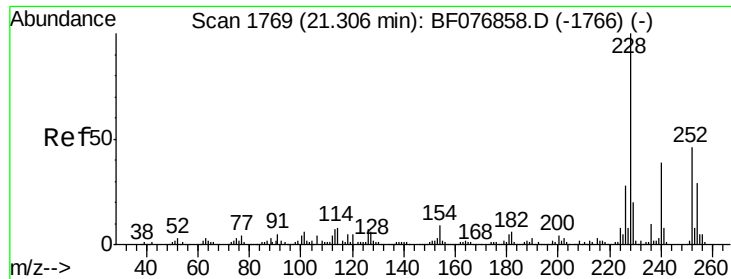
Delta R.T. 0.01 min

Lab File: BF077072.D

Acq: 27 Jan 2015 4:14

Tgt Ion:	202	Resp:	97506
Ion Ratio	Lower	Upper	
202	100		
101	7.9	0.0	30.7
203	16.9	0.0	36.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.15 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF077072.D

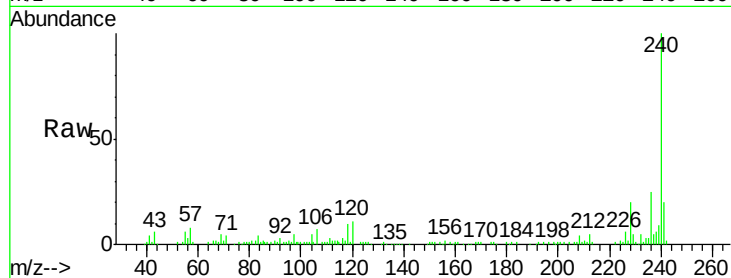
Acq: 27 Jan 2015 4:14

Instrument :

BNA_F

ClientSampleId :

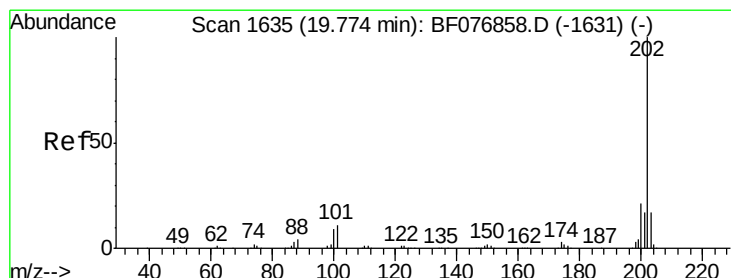
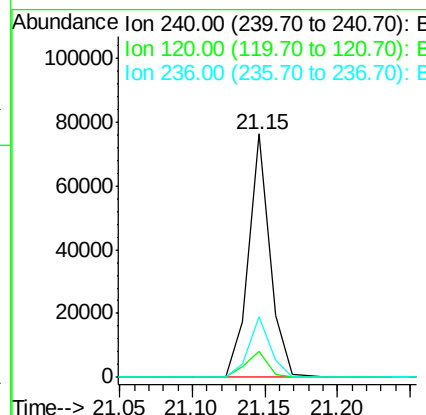
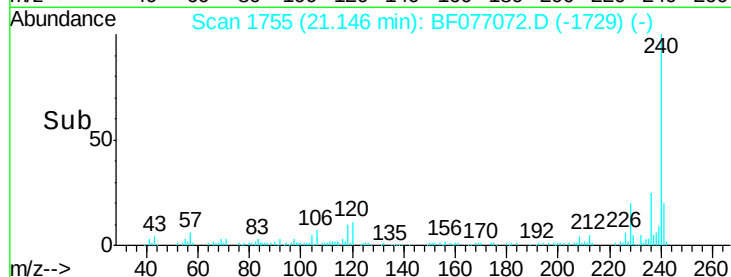
SB-84(17-19)



Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	10.4	15.6
236	24.9	20.2	30.2

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#77

Pyrene

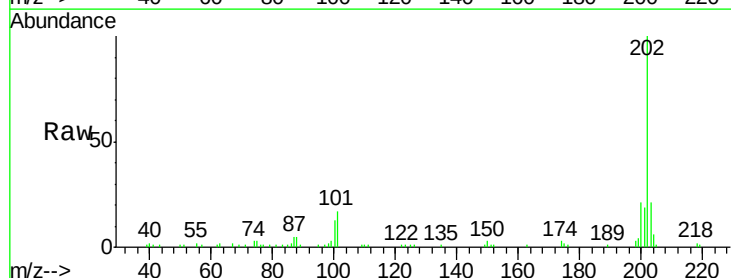
Concen: 14.64 ng

RT: 19.60 min Scan# 1620

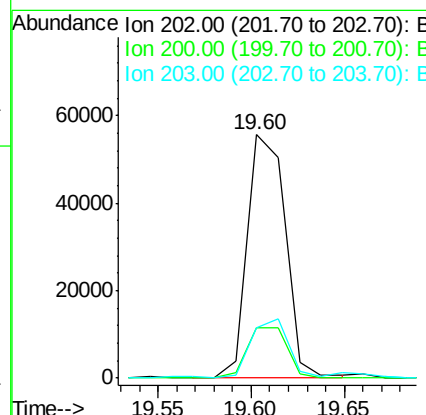
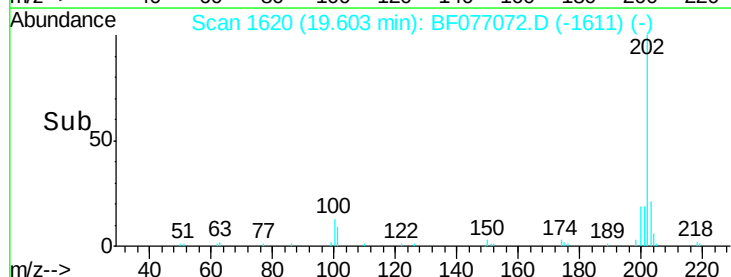
Delta R.T. 0.00 min

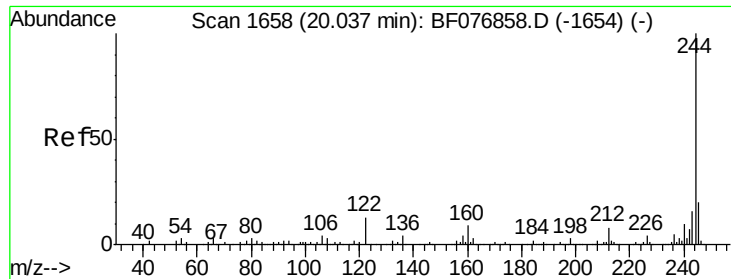
Lab File: BF077072.D

Acq: 27 Jan 2015 4:14



Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.7	25.1
203	20.9	14.0	21.0





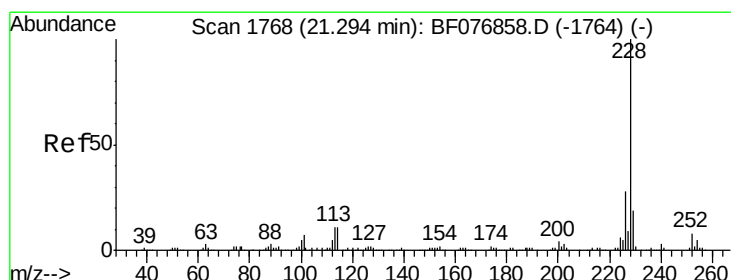
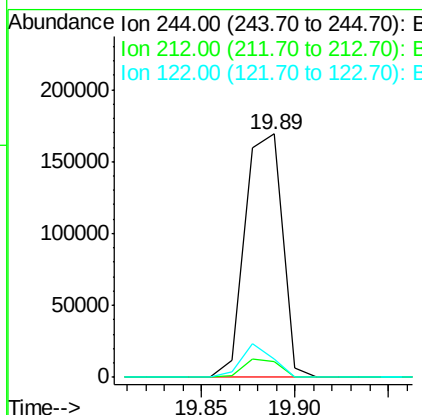
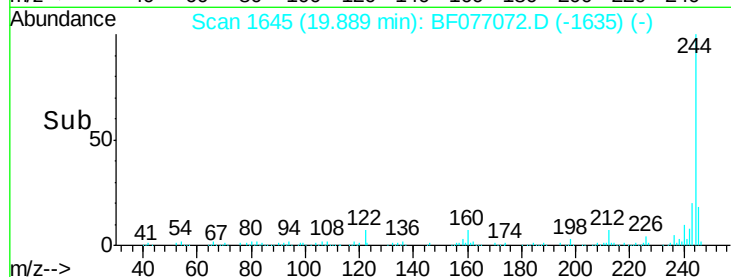
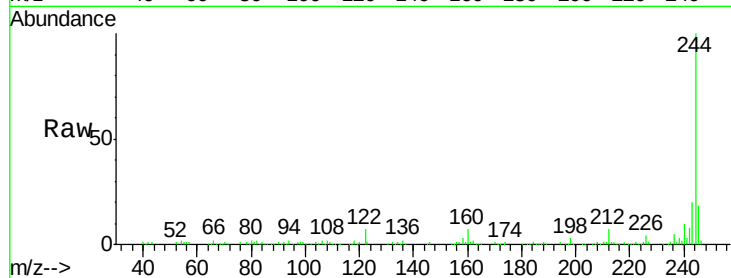
#78
 Terphenyl-d14
 Concen: 69.76 ng
 RT: 19.89 min Scan# 1645
 Delta R.T. 0.01 min
 Lab File: BF077072.D
 Acq: 27 Jan 2015 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SB-84(17-19)

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.7	6.3	9.5
122	7.3	10.1	15.1#

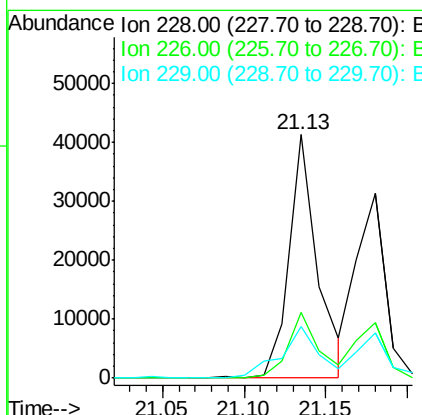
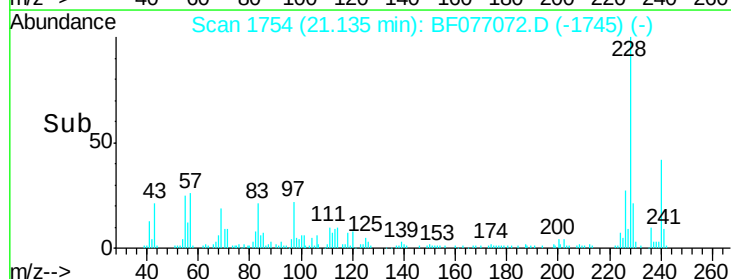
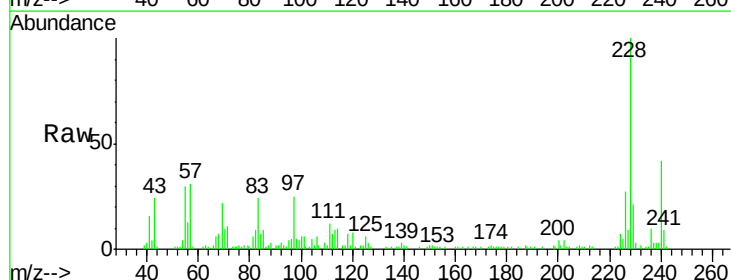
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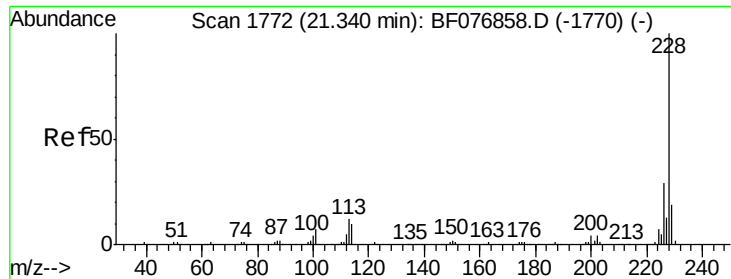
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#80
 Benzo(a)anthracene
 Concen: 10.23 ng
 RT: 21.13 min Scan# 1754
 Delta R.T. 0.00 min
 Lab File: BF077072.D
 Acq: 27 Jan 2015 4:14

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.7	22.1	33.1
229	21.0	15.5	23.3





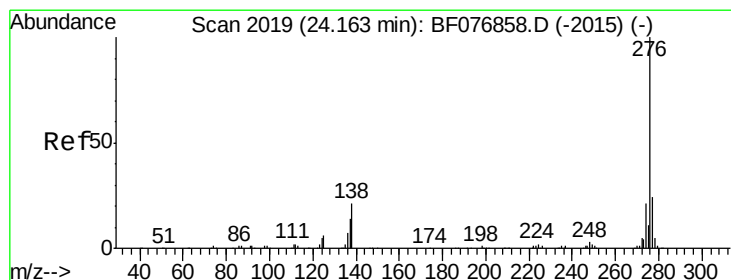
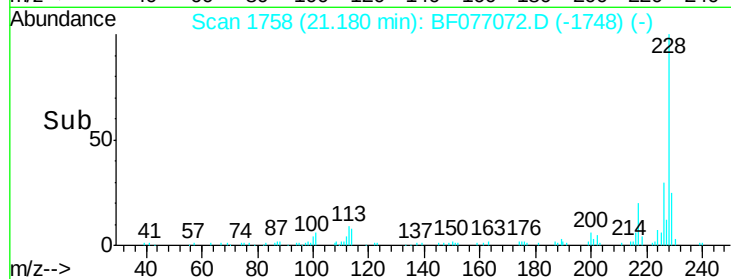
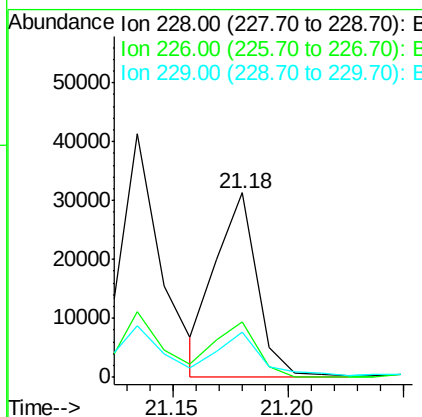
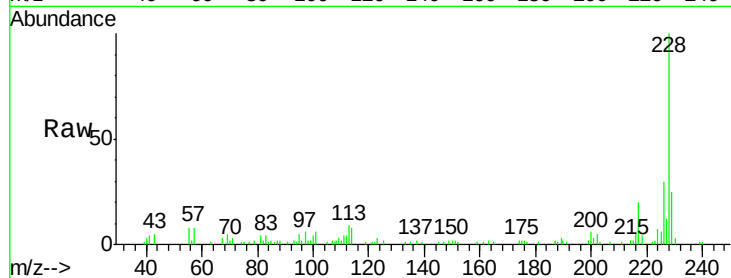
#82
Chrysene
Concen: 8.79 ng m
RT: 21.18 min Scan# 1758
Delta R.T. 0.01 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Instrument :
BNA_F
ClientSampled :
SB-84(17-19)

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	39564		
226	29.8	23.4	35.0	
229	24.6	15.4	23.0	

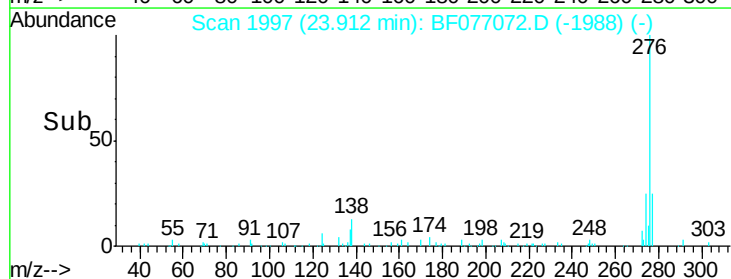
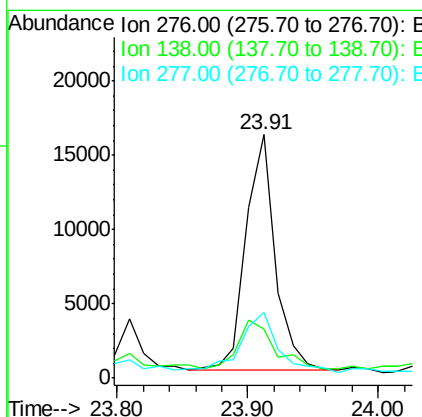
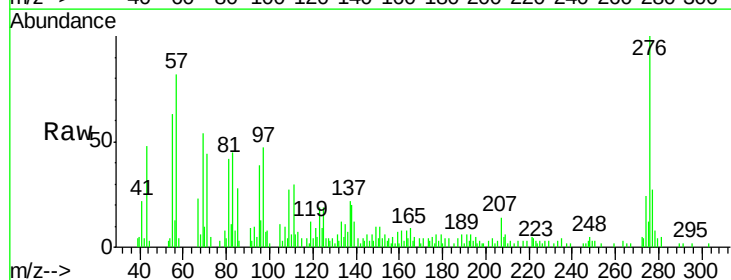
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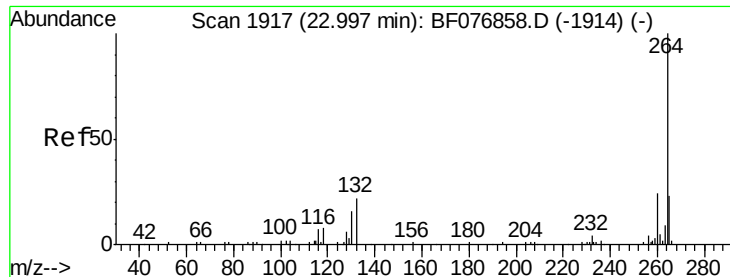
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.14 ng
RT: 23.91 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	24505		
138	25.5	14.6	22.0	
277	33.1	14.8	22.2	





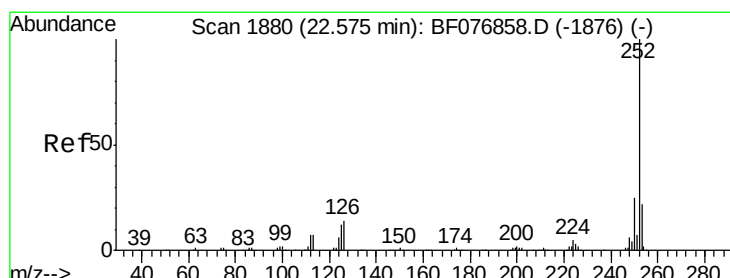
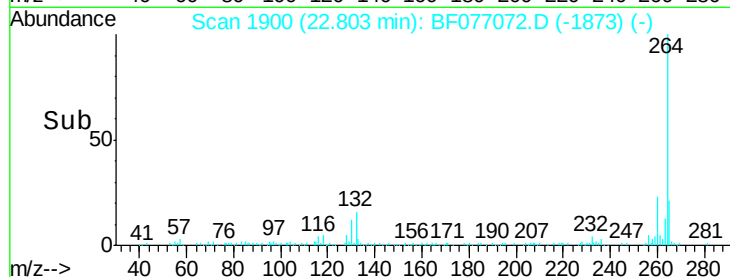
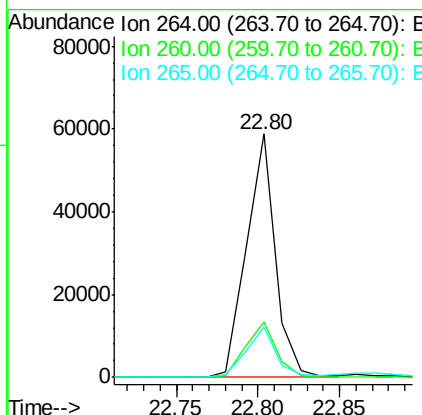
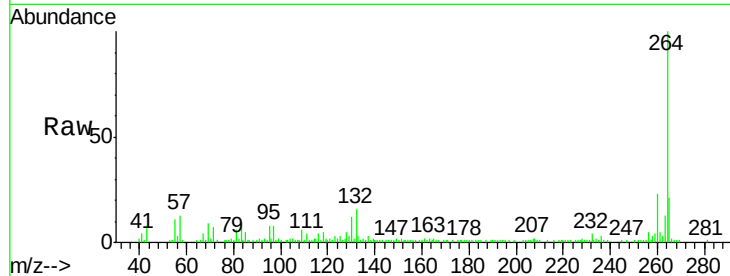
#86
Perylene-d12
Concen: 20.00 ng
RT: 22.80 min Scan# 1900
Delta R.T. 0.01 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Instrument :
BNA_F
ClientSampleId :
SB-84(17-19)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.0	28.4
265	20.7	18.1	27.1

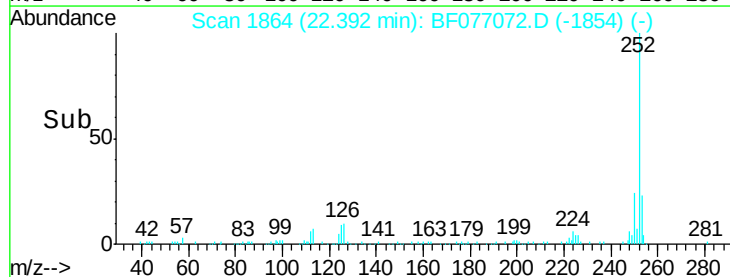
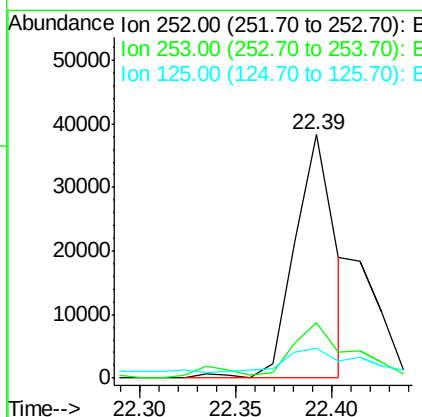
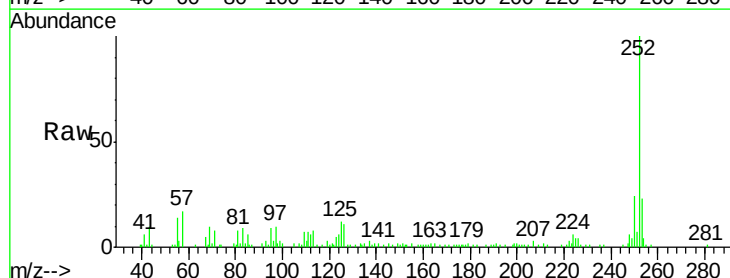
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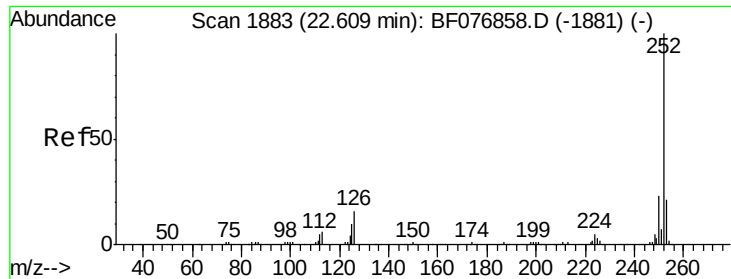
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#87
Benzo(b)fluoranthene
Concen: 11.58 ng m
RT: 22.39 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	12.5	9.4	14.0





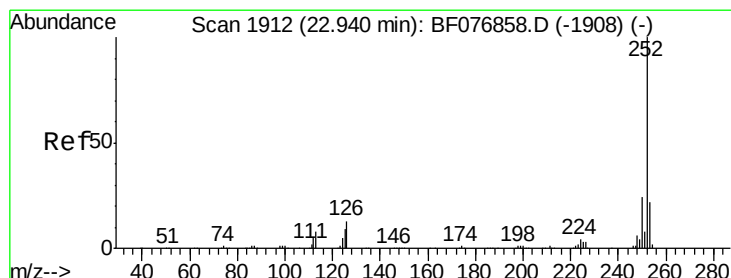
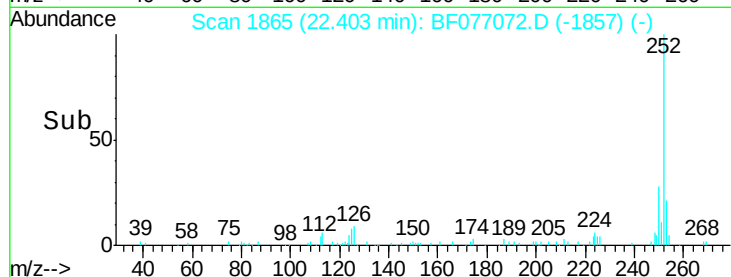
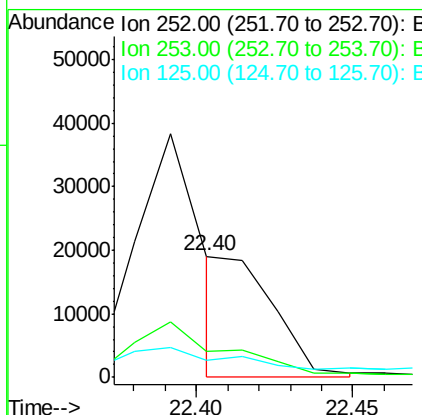
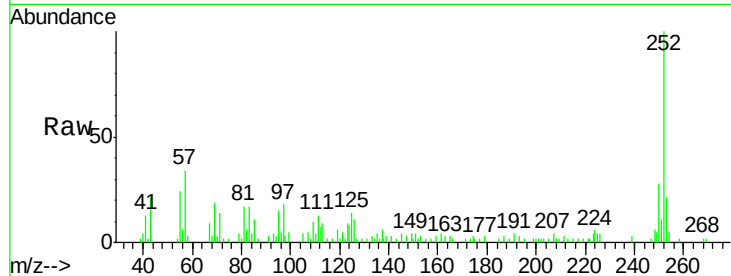
#88
Benzo(k)fluoranthene
Concen: 4.97 ng m
RT: 22.40 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Instrument :
BNA_F
ClientSampleId :
SB-84(17-19)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	13.6	7.1	10.7#

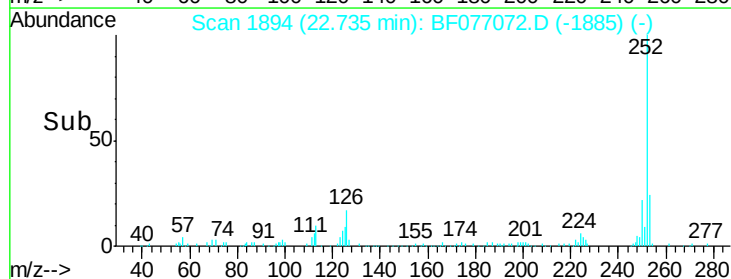
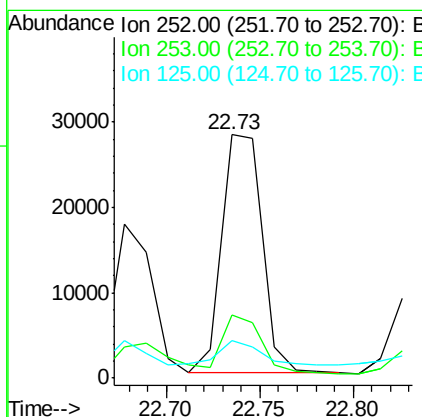
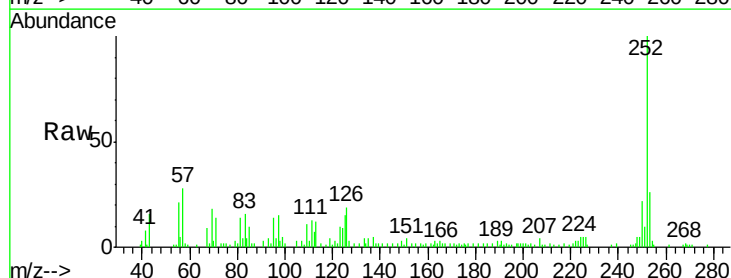
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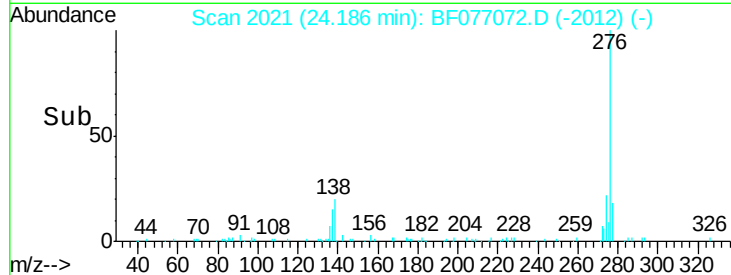
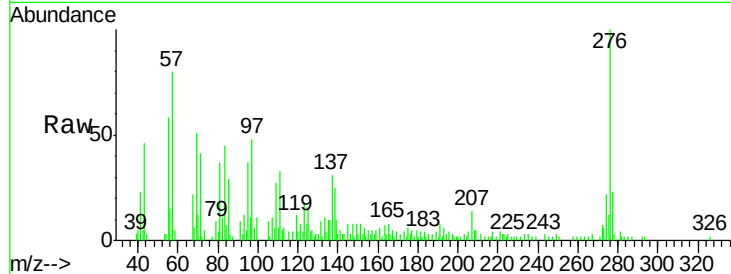
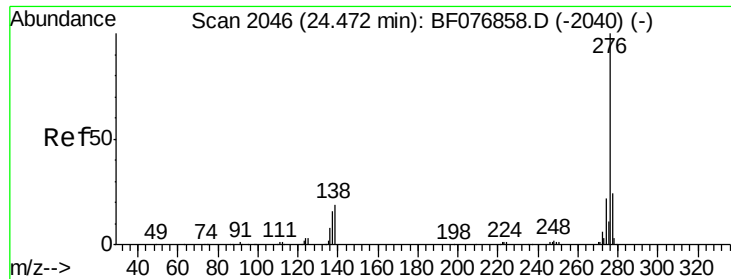
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#89
Benzo(a)pyrene
Concen: 9.88 ng
RT: 22.73 min Scan# 1894
Delta R.T. 0.00 min
Lab File: BF077072.D
Acq: 27 Jan 2015 4:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.9	26.9
125	15.3	7.2	10.8#





#91
 Benzo(g,h,i)perylene
 Concen: 6.82 ng
 RT: 24.19 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: BF077072.D
 Acq: 27 Jan 2015 4:14

Instrument :
 BNA_F
 ClientSampled :
 SB-84(17-19)

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.3	19.5	29.3
138	24.9	15.0	22.6

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