

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012815\
 Data File : BF077119.D
 Acq On : 29 Jan 2015 4:26
 Operator : TP/IZ
 Sample : G1159-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Jan 29 05:20:24 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 29 04:36:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	26906	20.00	ng	0.00
21) Naphthalene-d8	10.63	136	112990	20.00	ng	-0.01
38) Acenaphthene-d10	14.76	164	52360	20.00	ng	0.00
63) Phenanthrene-d10	17.60	188	97914	20.00	ng	0.00
75) Chrysene-d12	21.10	240	84028	20.00	ng	-0.03
86) Perylene-d12	22.76	264	74136	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.74	112	217588	132.96	ng	-0.05
7) Phenol-d6	7.13	99	276759	134.06	ng	-0.01
23) Nitrobenzene-d5	9.03	82	173131	84.89	ng	0.00
41) 2,4,6-Tribromophenol	16.48	330	60200	141.64	ng	0.00
44) 2-Fluorobiphenyl	13.29	172	303269	88.14	ng	0.00
78) Terphenyl-d14	19.84	244	252826	69.27	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.17	94	9500	4.33	ng	85
31) Naphthalene	10.68	128	16682	2.87	ng	96
49) Dimethylphthalate	14.36	163	14292	3.85	ng	# 97
51) Acenaphthene	14.83	154	9993	3.27	ng	93
57) Fluorene	16.01	166	9701	2.57	ng	99
70) Phenanthrene	17.64	178	91057	14.91	ng	97
71) Anthracene	17.72	178	22973	3.86	ng	99
72) Carbazole	18.00	167	13417	2.32	ng	98
74) Fluoranthene	19.28	202	105356	16.84	ng	99
77) Pyrene	19.57	202	88153	15.31	ng	# 93
80) Benzo(a)anthracene	21.10	228	51324	9.74	ng	97
82) Chrysene	21.13	228	41475	8.63	ng	95
85) Indeno(1,2,3-cd)pyrene	23.85	276	28312m	5.56	ng	
87) Benzo(b)fluoranthene	22.35	252	57703m	11.56	ng	
88) Benzo(k)fluoranthene	22.37	252	21533m	4.94	ng	
89) Benzo(a)pyrene	22.69	252	44513	10.11	ng	# 93
91) Benzo(g,h,i)perylene	24.12	276	26464	6.59	ng	# 87

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

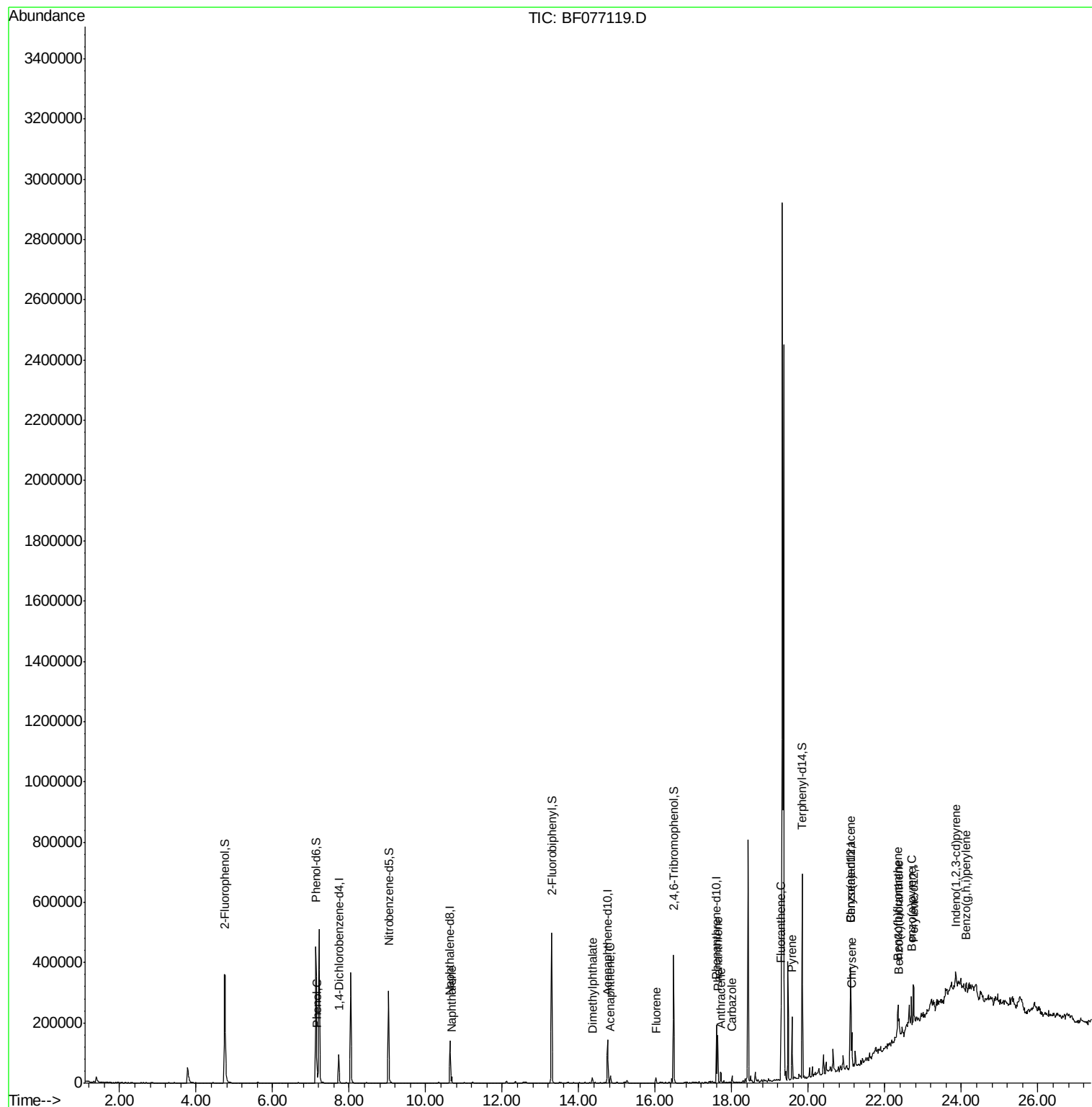
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012815\
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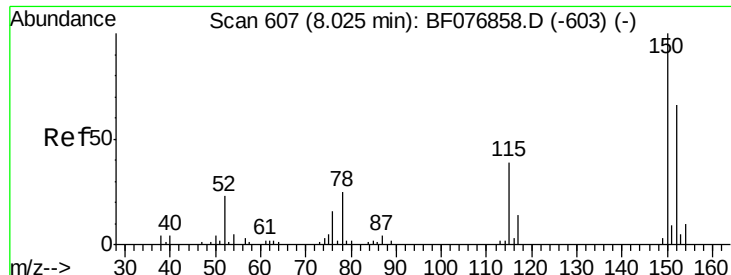
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.73 min Scan# 581

Delta R.T. 0.00 min

Lab File: BF077119.D

Acq: 29 Jan 2015 4:26

Instrument :

BNA_F

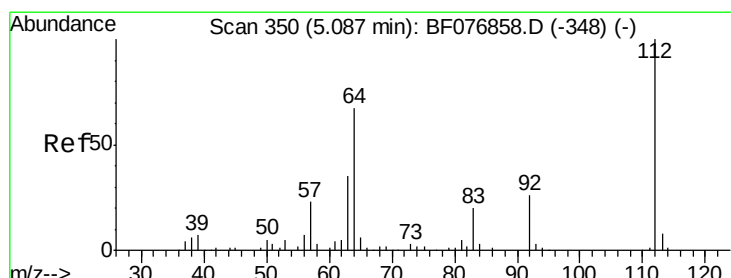
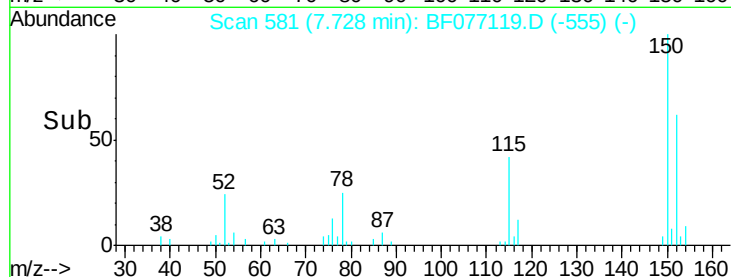
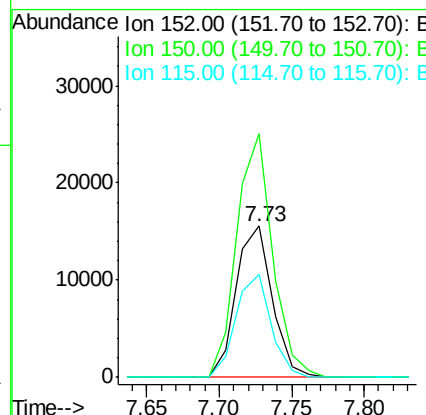
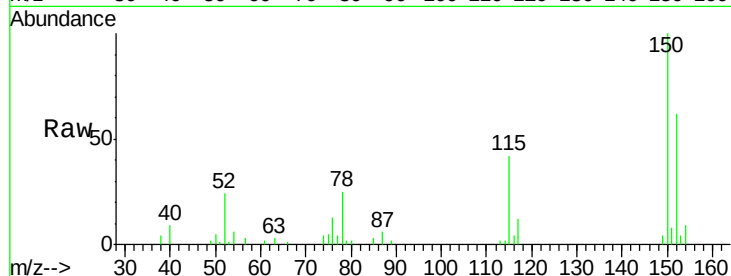
ClientSampleId :

SB-84(17-19)

Tgt Ion:	152	Resp:	26906
Ion Ratio	Lower	Upper	
152	100		
150	161.4	121.7	182.5
115	67.9	47.0	70.6

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#5

2-Fluorophenol

Concen: 132.96 ng

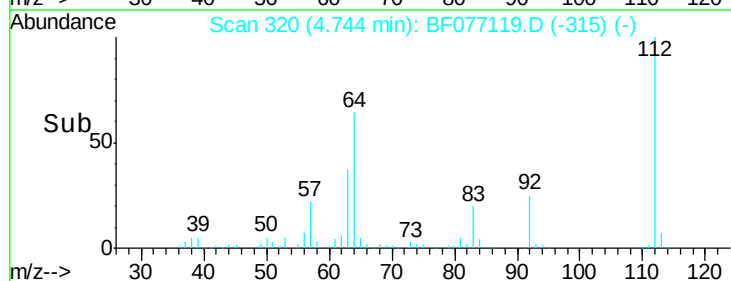
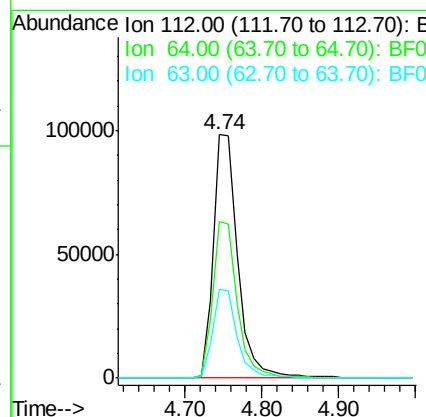
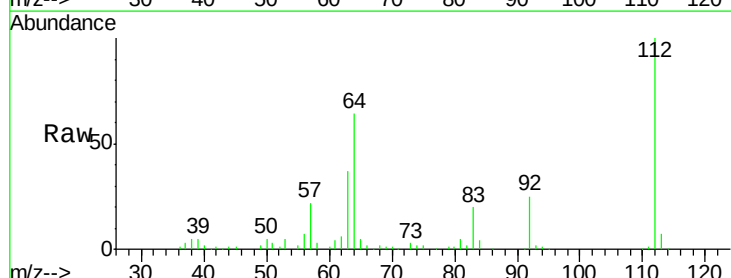
RT: 4.74 min Scan# 320

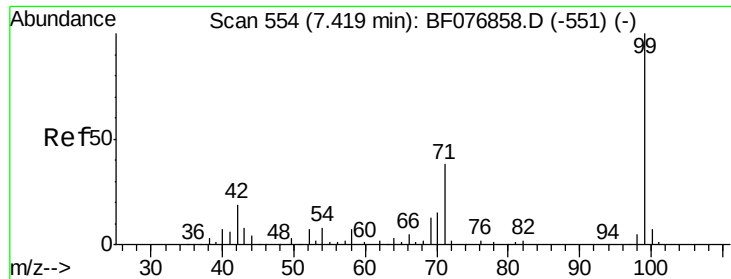
Delta R.T. -0.05 min

Lab File: BF077119.D

Acq: 29 Jan 2015 4:26

Tgt Ion:	112	Resp:	217588
Ion Ratio	Lower	Upper	
112	100		
64	64.4	54.2	81.4
63	36.5	28.4	42.6





#7

Phenol-d6

Concen: 134.06 ng

RT: 7.13 min Scan# 529

Delta R.T. -0.01 min

Lab File: BF077119.D

Acq: 29 Jan 2015 4:26

Instrument :

BNA_F

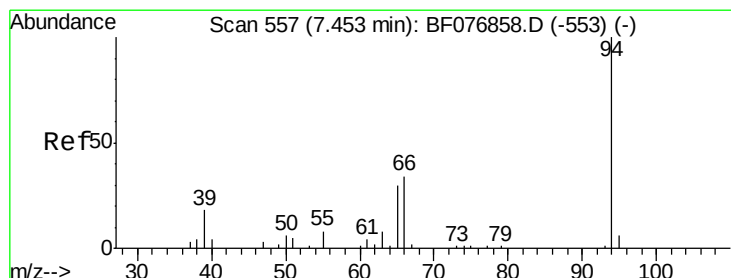
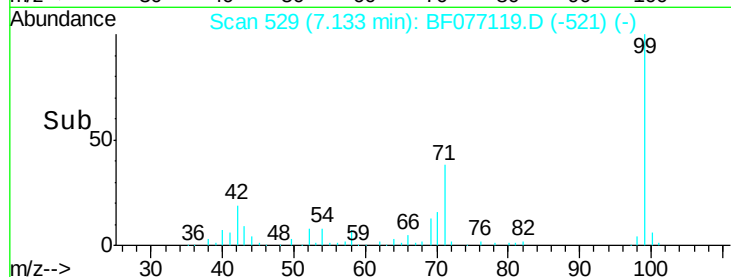
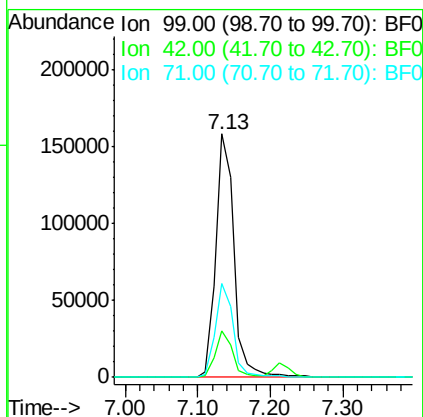
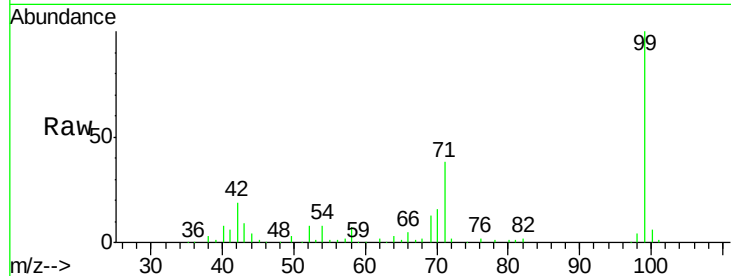
ClientSampleId :

SB-84(17-19)

Tgt Ion:	99	Resp:	276759
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.0	22.4
71	38.3	30.5	45.7

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#10

Phenol

Concen: 4.33 ng

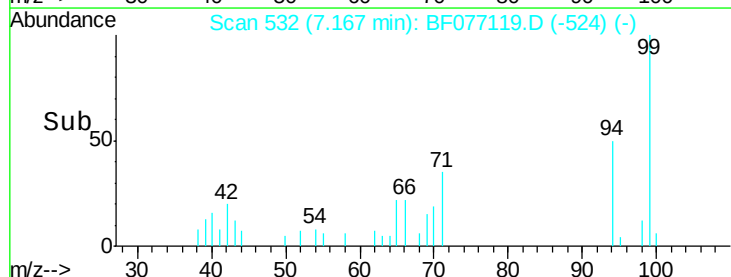
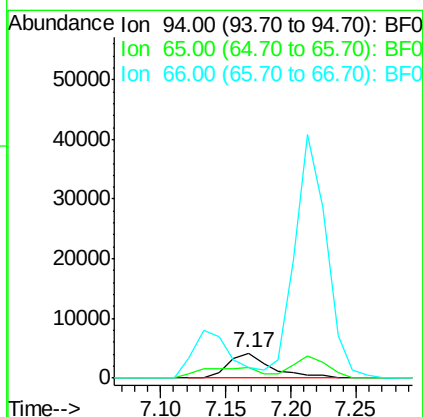
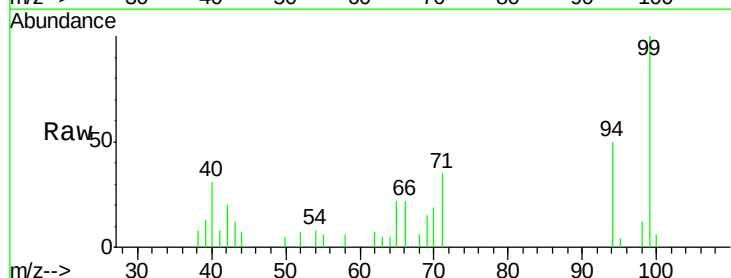
RT: 7.17 min Scan# 532

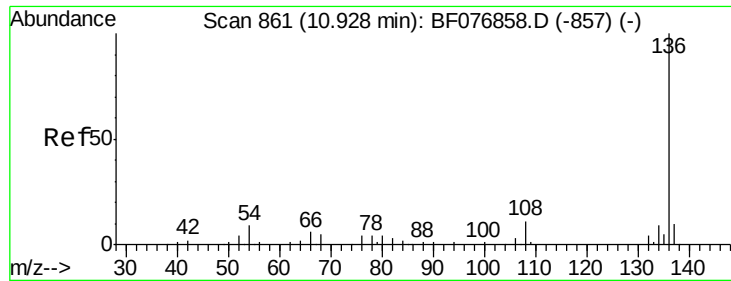
Delta R.T. -0.01 min

Lab File: BF077119.D

Acq: 29 Jan 2015 4:26

Tgt Ion:	94	Resp:	9500
Ion	Ratio	Lower	Upper
94	100		
65	43.4	11.3	51.3
66	45.0	19.5	59.5





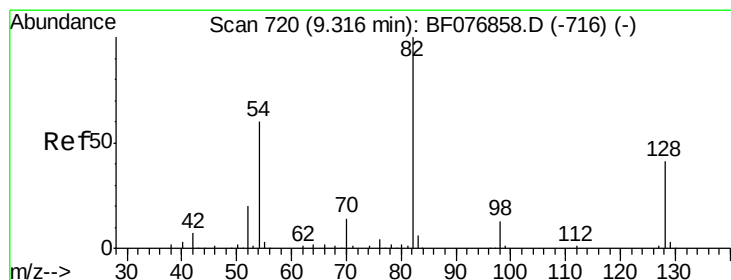
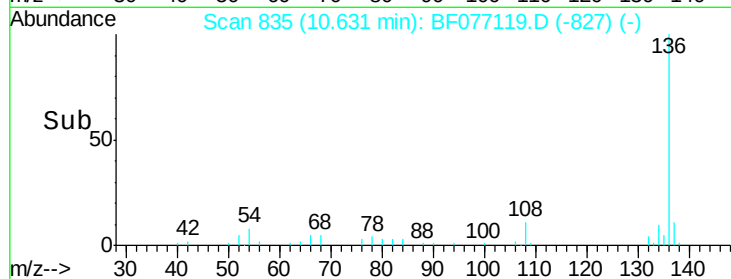
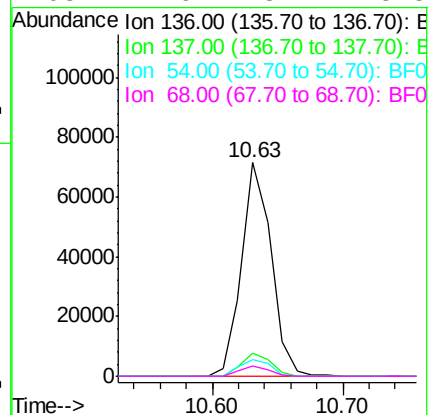
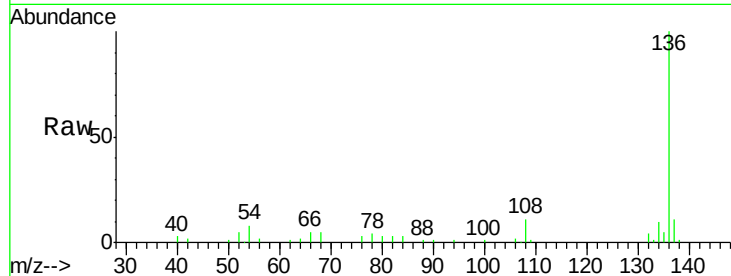
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.63 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF077119.D
Acq: 29 Jan 2015 4:26

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

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	112990		
137	10.8	8.1	12.1	
54	7.7	7.0	10.4	
68	4.9	3.7	5.5	

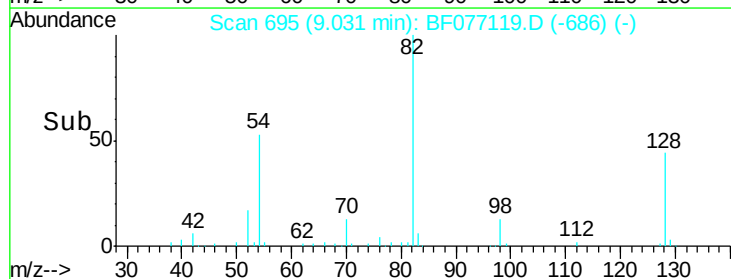
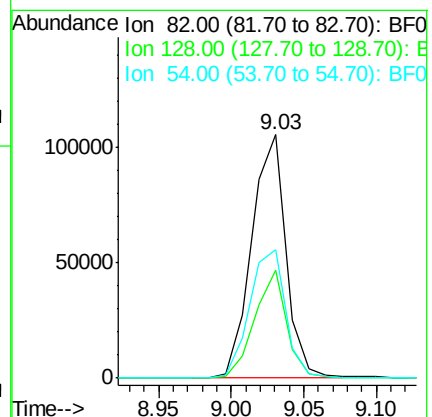
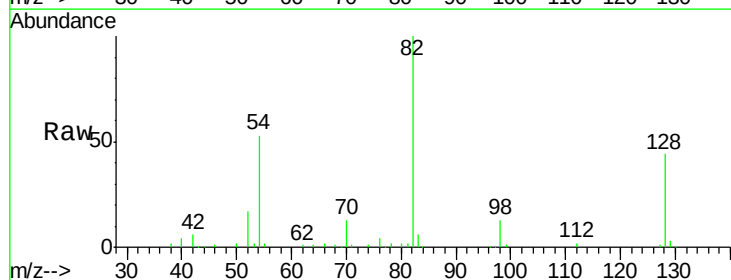
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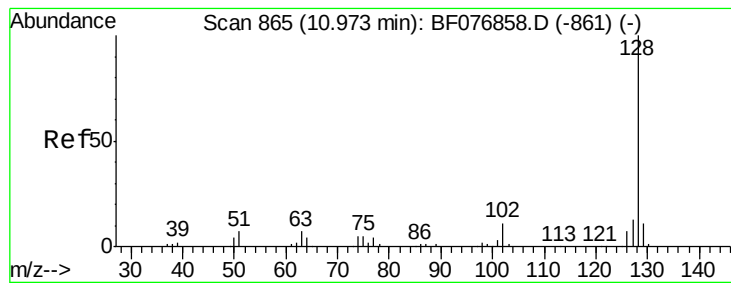
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#23
Nitrobenzene-d5
Concen: 84.89 ng
RT: 9.03 min Scan# 695
Delta R.T. 0.00 min
Lab File: BF077119.D
Acq: 29 Jan 2015 4:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	173131		
128	44.2	33.1	49.7	
54	52.7	48.3	72.5	





#31

Naphthalene

Concen: 2.87 ng

RT: 10.68 min Scan# 839

Delta R.T. -0.00 min

Lab File: BF077119.D

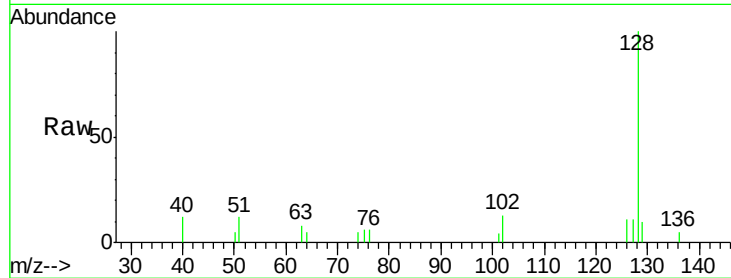
Acq: 29 Jan 2015 4:26

Instrument :

BNA_F

ClientSampleId :

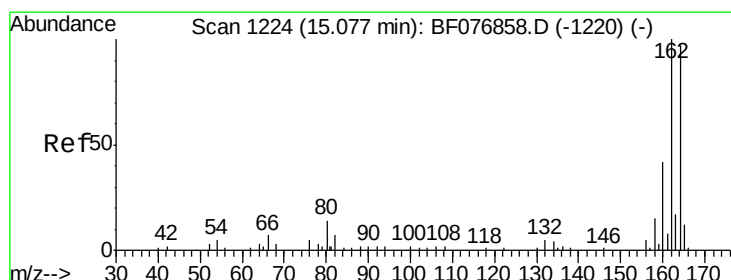
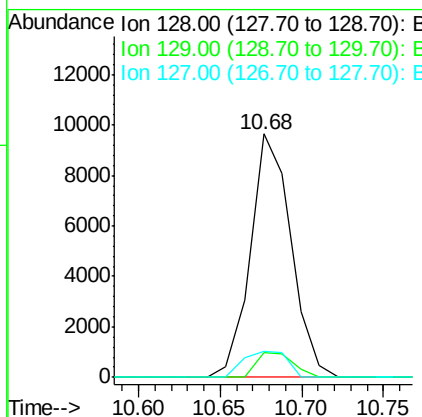
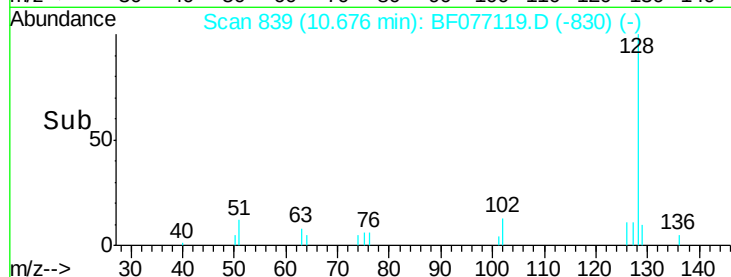
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.3	9.0	13.6
127	10.7	10.2	15.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

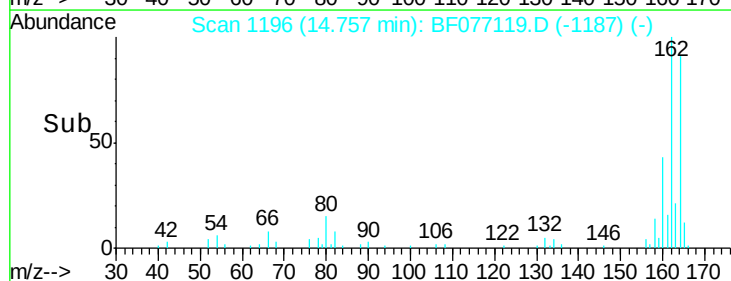
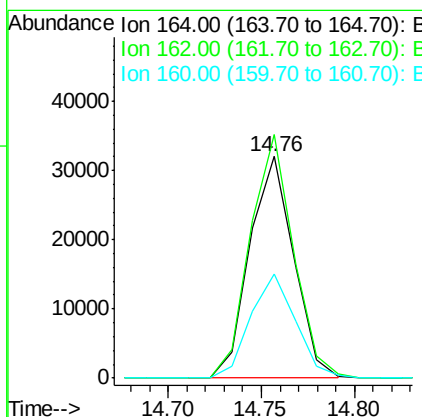
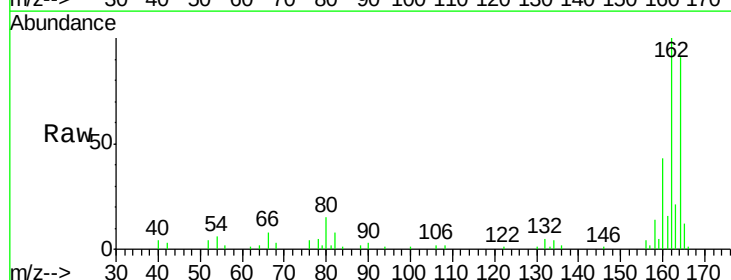
RT: 14.76 min Scan# 1196

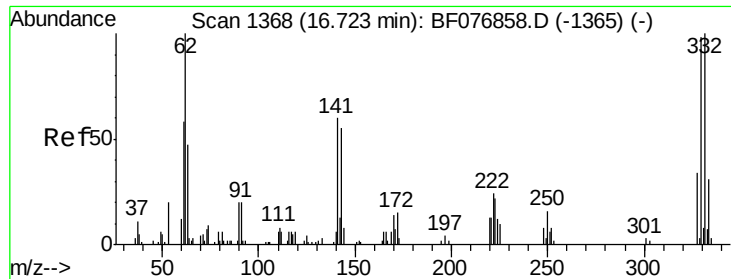
Delta R.T. 0.00 min

Lab File: BF077119.D

Acq: 29 Jan 2015 4:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.9	82.4	123.6
160	46.8	34.8	52.2





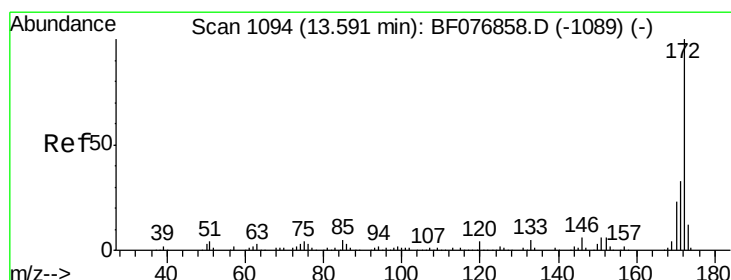
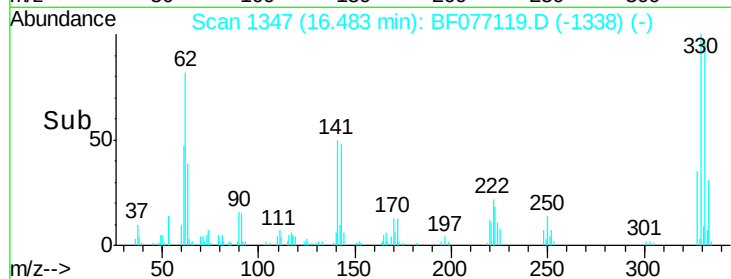
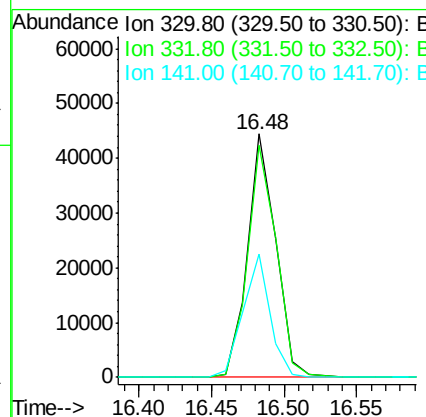
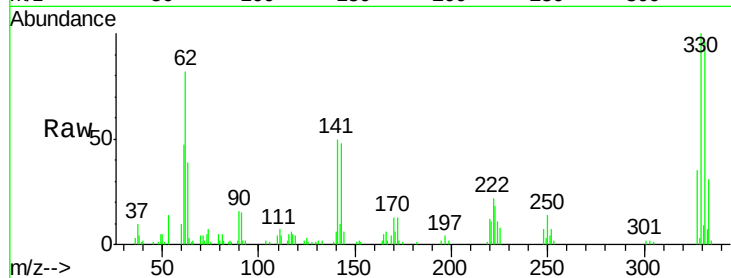
#41
 2,4,6-Tribromophenol
 Concen: 141.64 ng
 RT: 16.48 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF077119.D
 Acq: 29 Jan 2015 4:26

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

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	60200		
332	97.1	77.8	116.6	
141	47.8	38.5	57.7	

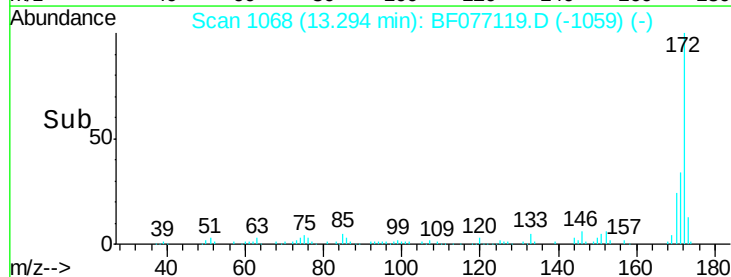
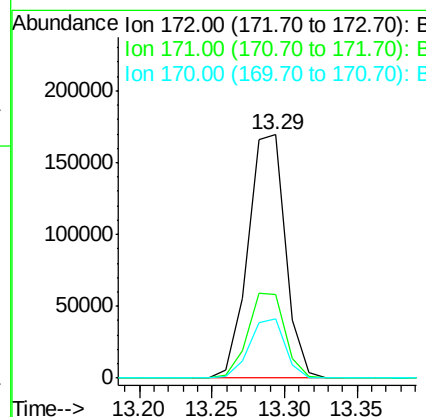
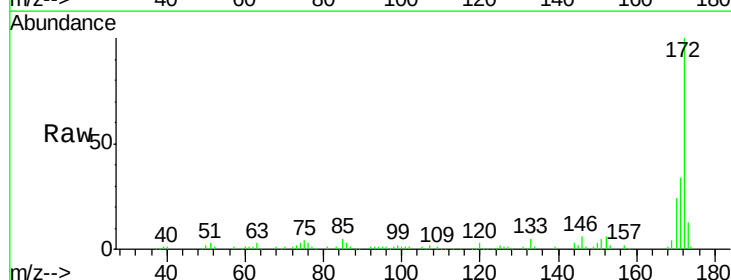
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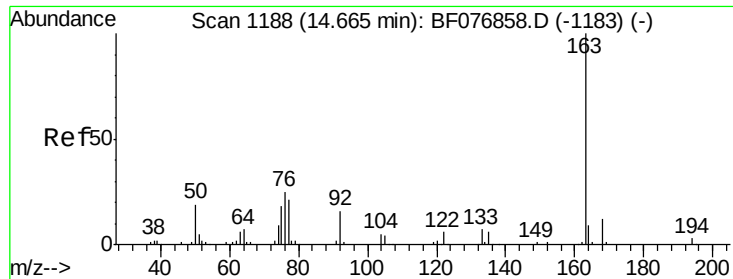
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#44
 2-Fluorobiphenyl
 Concen: 88.14 ng
 RT: 13.29 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: BF077119.D
 Acq: 29 Jan 2015 4:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	303269		
171	34.3	26.6	40.0	
170	24.1	18.0	27.0	





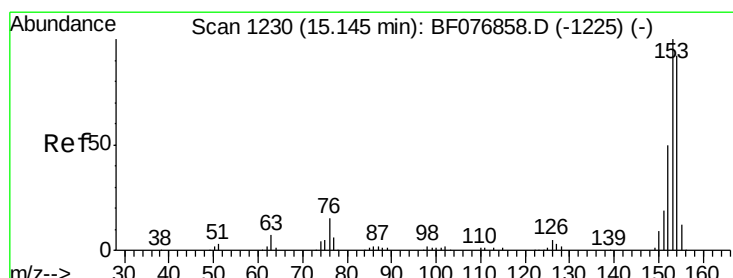
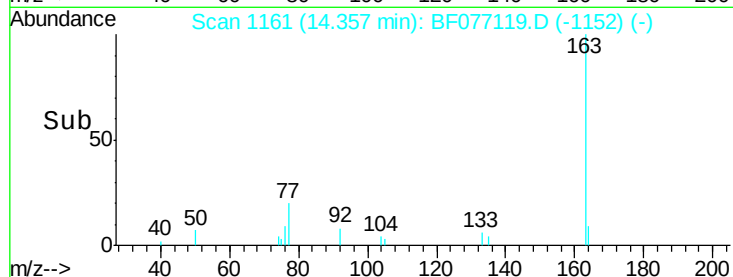
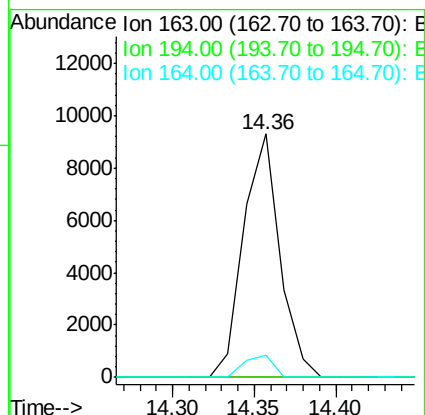
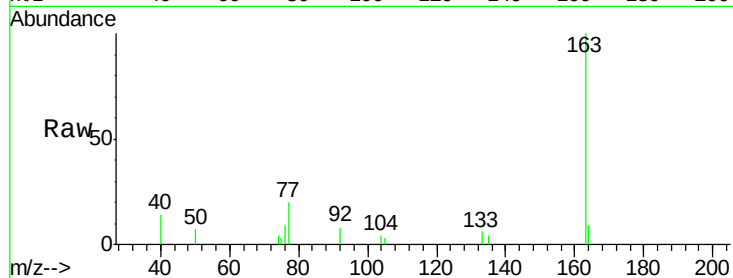
#49
Dimethylphthalate
Concen: 3.85 ng
RT: 14.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF077119.D
Acq: 29 Jan 2015 4:26

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	0.0	2.6	4.0#
164	9.0	7.5	11.3

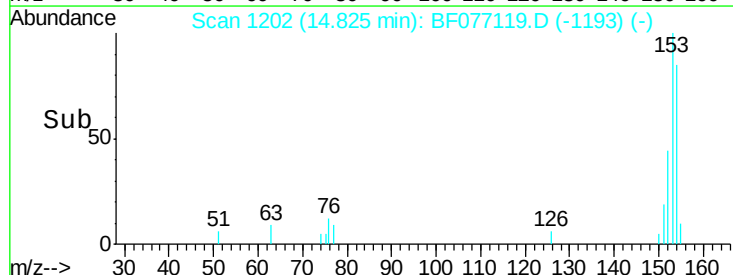
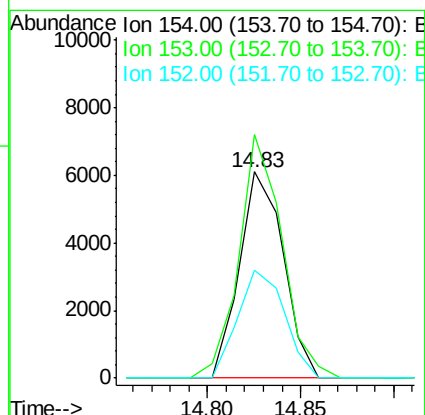
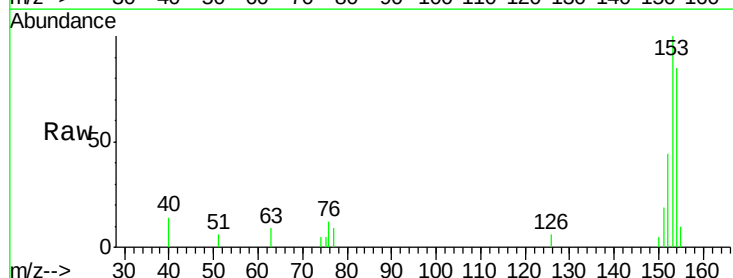
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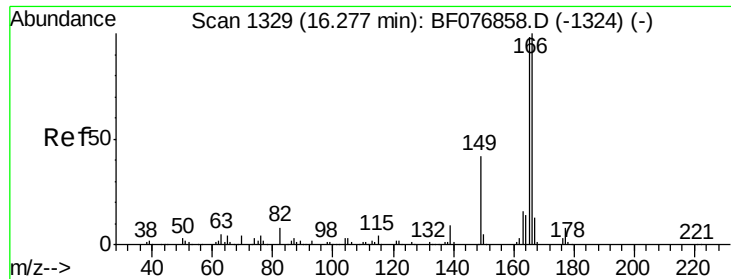
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#51
Acenaphthene
Concen: 3.27 ng
RT: 14.83 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BF077119.D
Acq: 29 Jan 2015 4:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	118.3	87.0	130.6
152	52.6	43.5	65.3





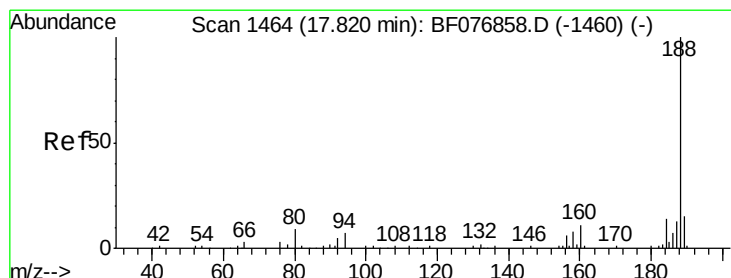
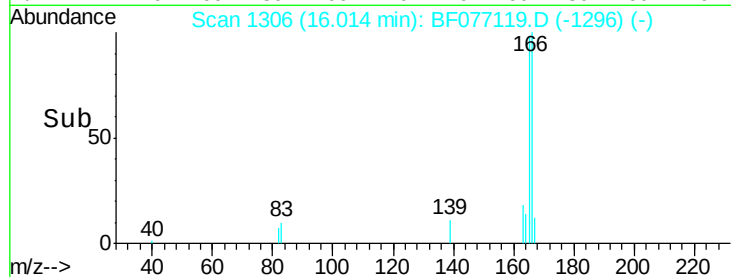
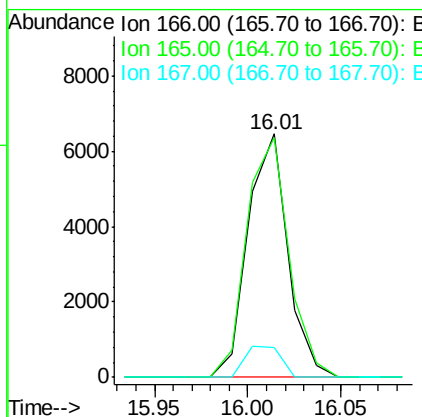
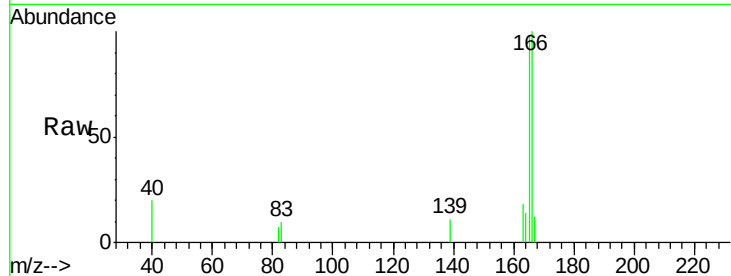
#57
 Fluorene
 Concen: 2.57 ng
 RT: 16.01 min Scan# 1306
 Delta R.T. 0.01 min
 Lab File: BF077119.D
 Acq: 29 Jan 2015 4:26

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

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.5	117.7
167	12.0	10.4	15.6

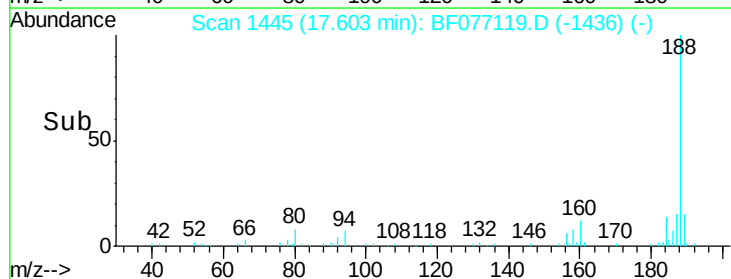
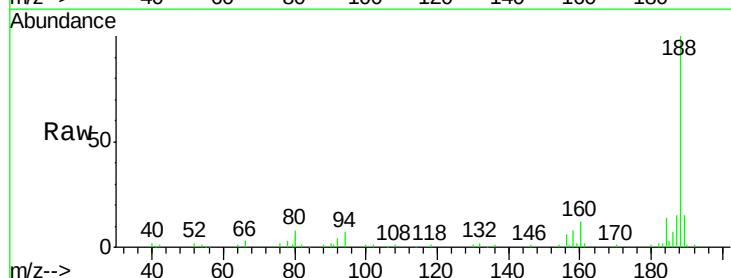
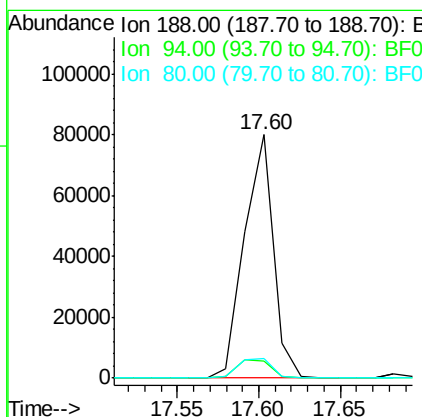
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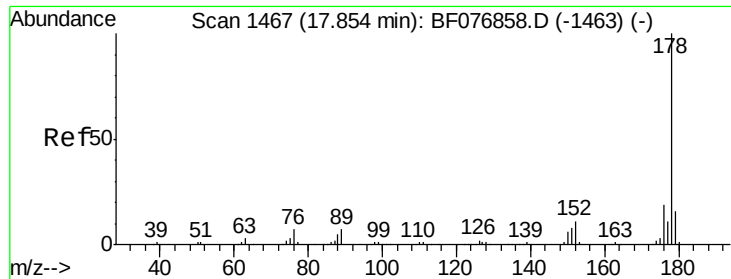
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#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.60 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: BF077119.D
 Acq: 29 Jan 2015 4:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.0	9.0
80	7.9	6.9	10.3





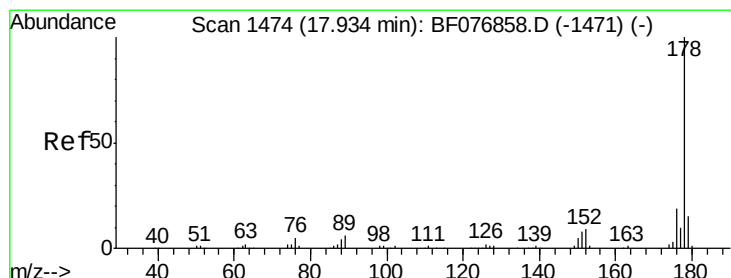
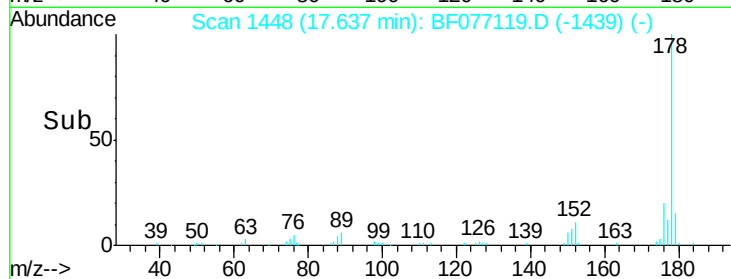
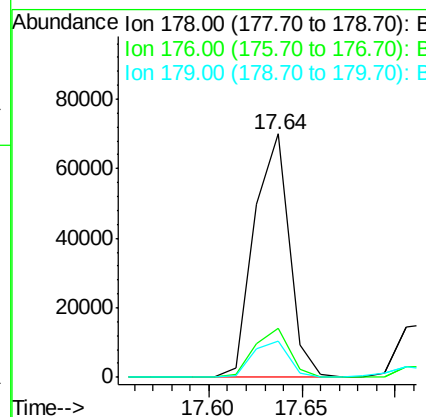
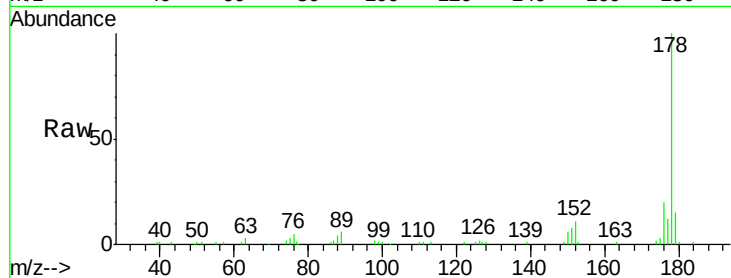
#70
Phenanthrene
Concen: 14.91 ng
RT: 17.64 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF077119.D
Acq: 29 Jan 2015 4:26

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

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.1	22.7
179	14.7	12.7	19.1

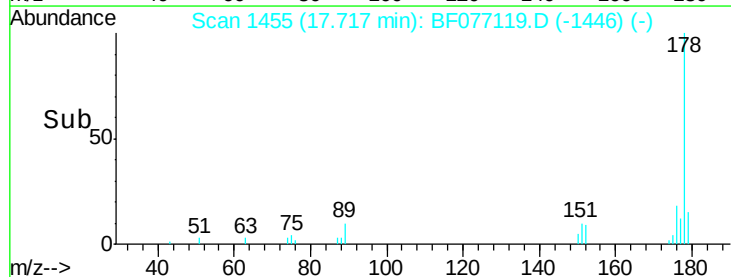
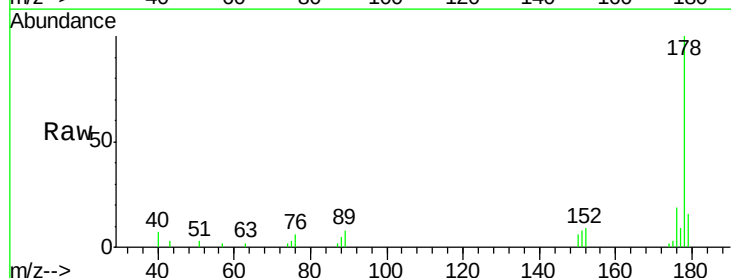
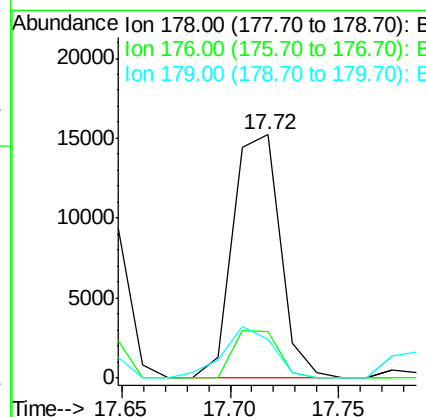
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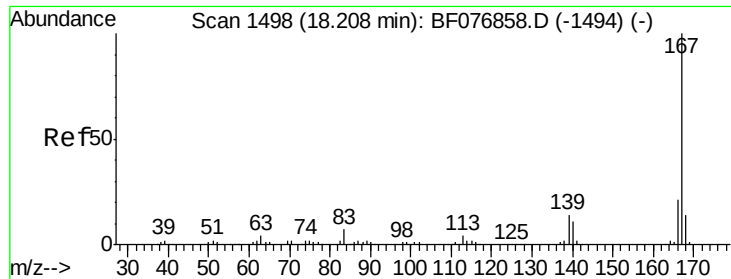
apatel
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#71
Anthracene
Concen: 3.86 ng
RT: 17.72 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF077119.D
Acq: 29 Jan 2015 4:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.0
179	15.8	11.9	17.9





#72

Carbazole

Concen: 2.32 ng

RT: 18.00 min Scan# 1480

Delta R.T. -0.00 min

Lab File: BF077119.D

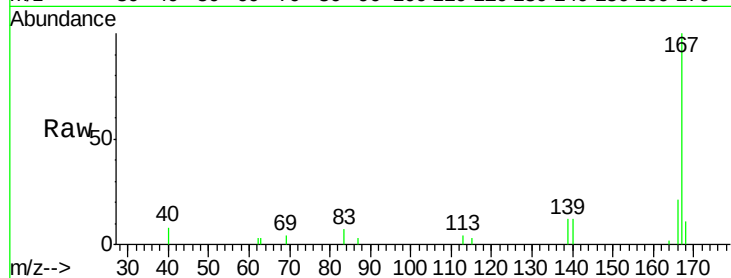
Acq: 29 Jan 2015 4:26

Instrument :

BNA_F

ClientSampled :

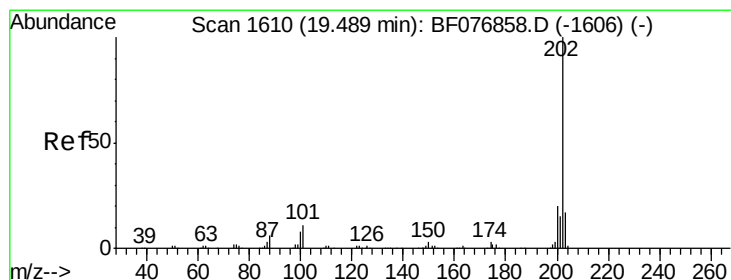
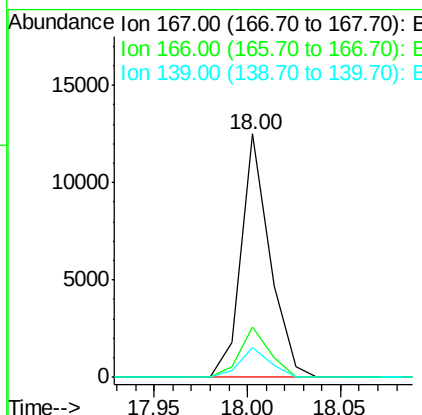
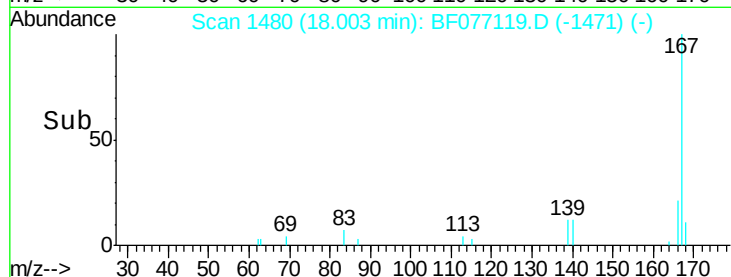
SB-84(17-19)



Tgt Ion	Ratio	Resp	Lower	Upper
167	100	13417		
166	20.9	17.0	25.6	
139	12.3	11.3	16.9	

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#74

Fluoranthene

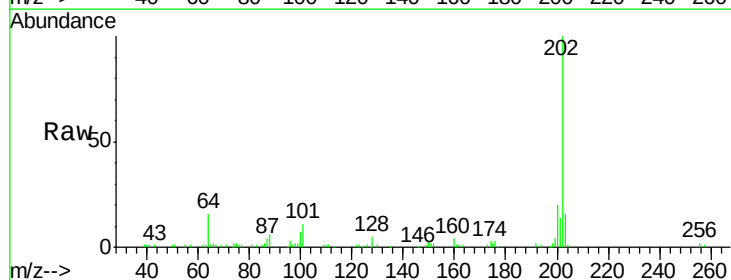
Concen: 16.84 ng

RT: 19.28 min Scan# 1592

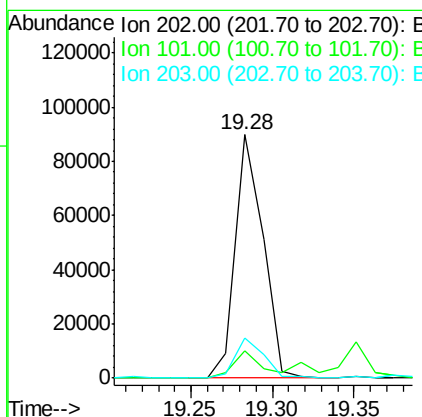
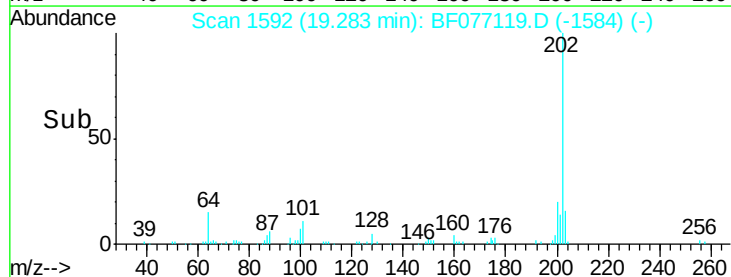
Delta R.T. -0.01 min

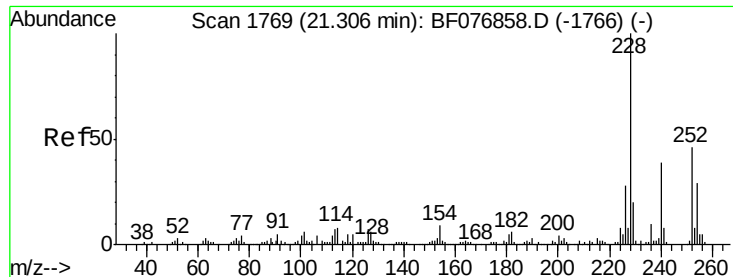
Lab File: BF077119.D

Acq: 29 Jan 2015 4:26



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	105356		
101	11.2	0.0	30.7	
203	16.3	0.0	36.9	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.10 min Scan# 1751

Delta R.T. -0.03 min

Lab File: BF077119.D

Acq: 29 Jan 2015 4:26

Instrument :

BNA_F

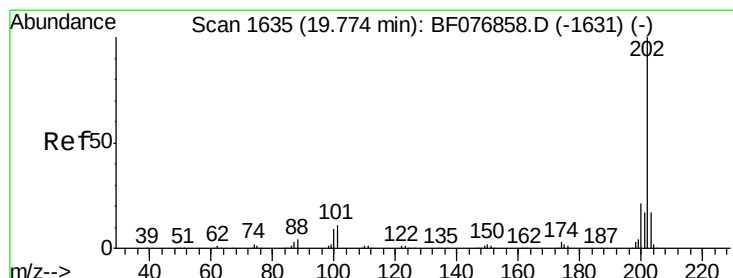
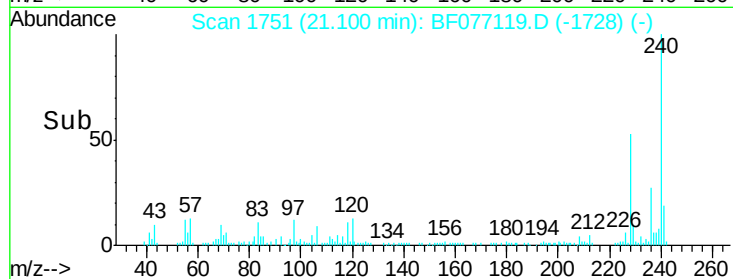
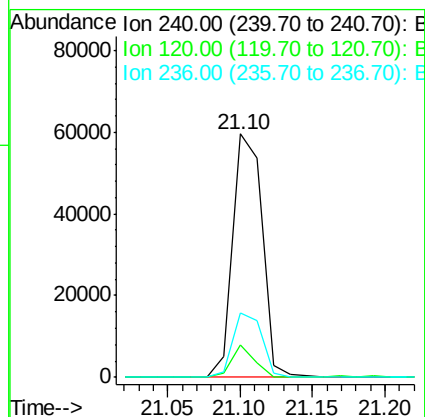
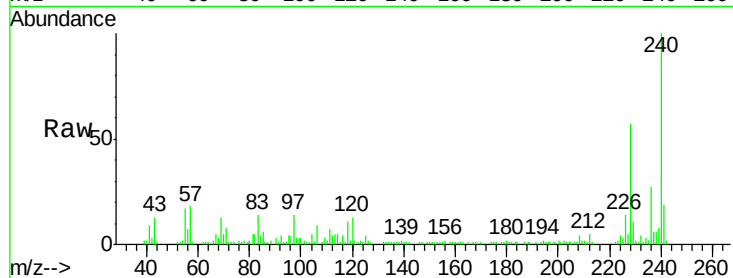
ClientSampleId :

SB-84(17-19)

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	84028		
120	15.9	10.4	15.6#	
236	26.7	20.2	30.2	

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#77

Pyrene

Concen: 15.31 ng

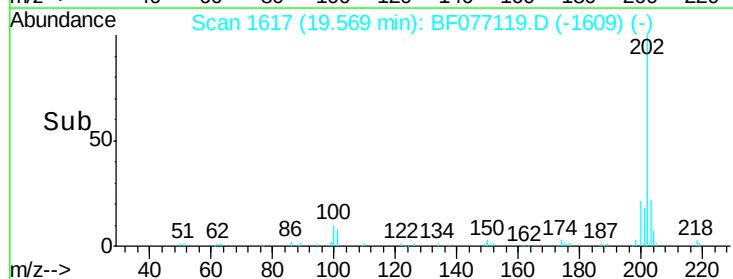
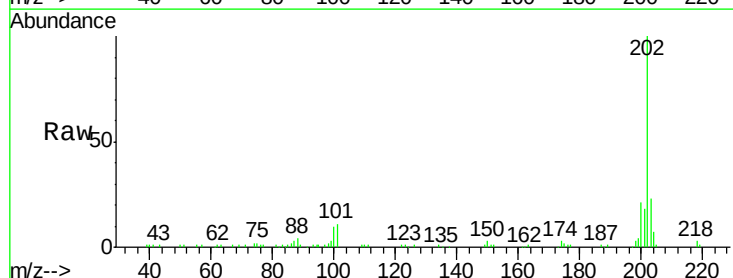
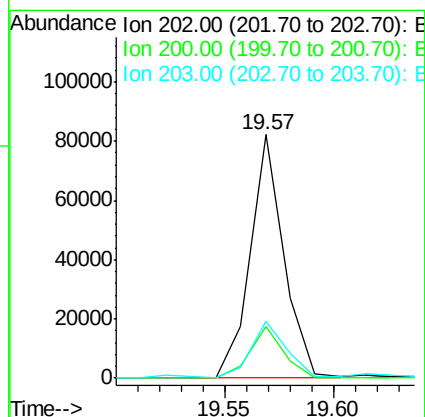
RT: 19.57 min Scan# 1617

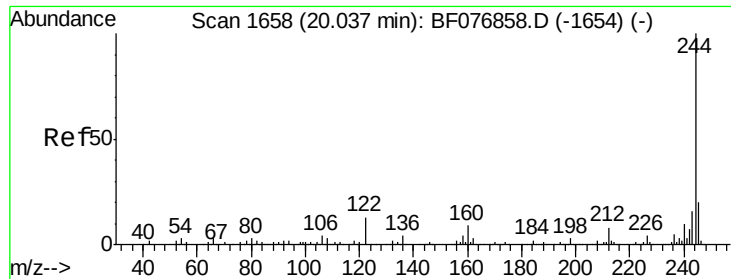
Delta R.T. -0.01 min

Lab File: BF077119.D

Acq: 29 Jan 2015 4:26

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	88153		
200	21.4	16.7	25.1	
203	23.5	14.0	21.0#	





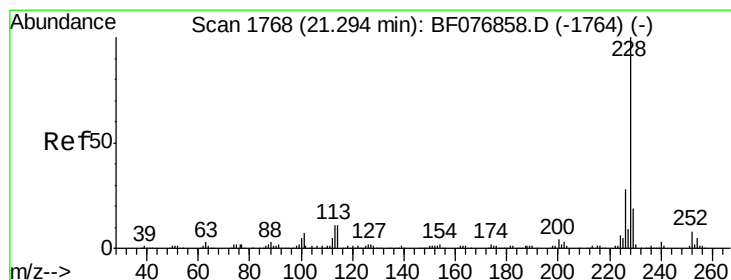
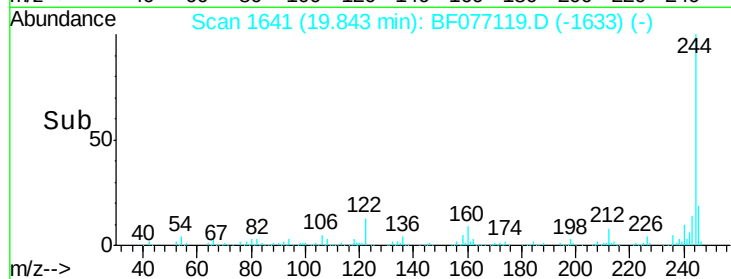
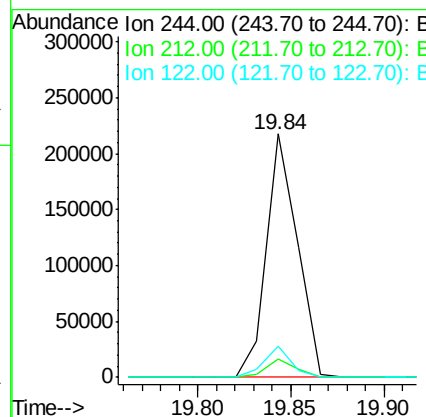
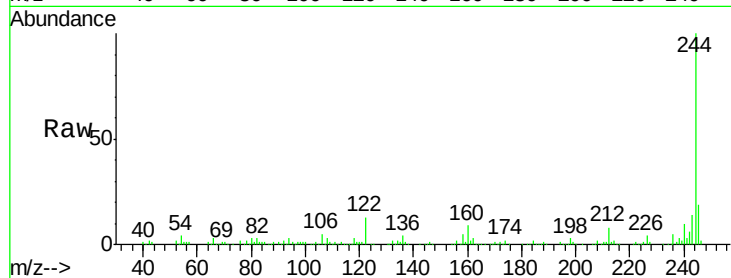
#78
 Terphenyl-d14
 Concen: 69.27 ng
 RT: 19.84 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BF077119.D
 Acq: 29 Jan 2015 4:26

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

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.5	6.3	9.5
122	13.0	10.1	15.1

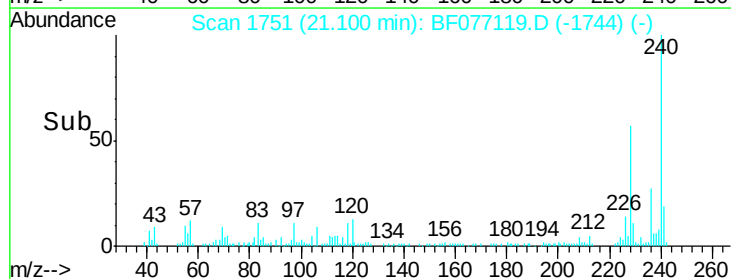
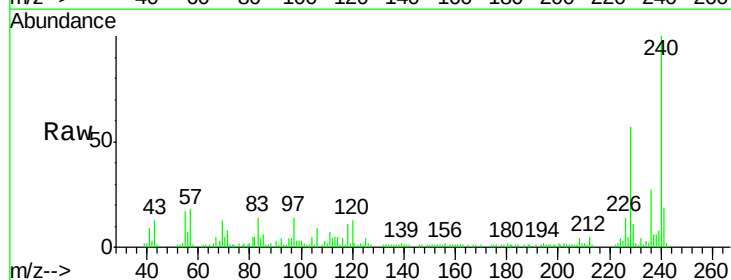
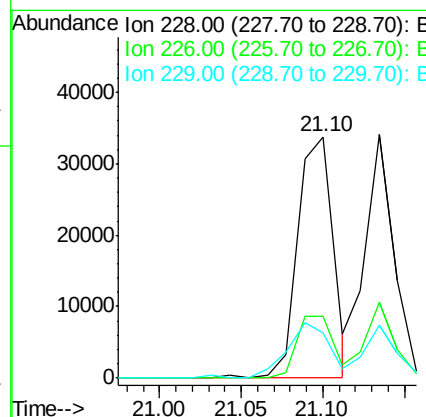
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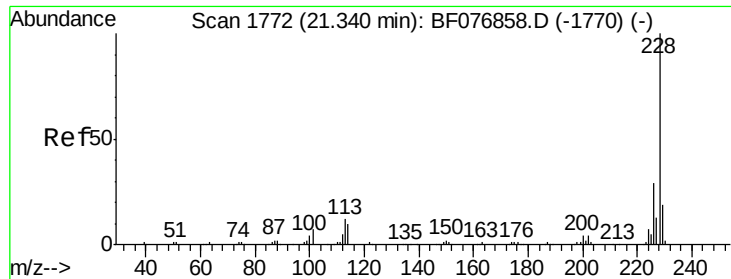
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#80
 Benzo(a)anthracene
 Concen: 9.74 ng
 RT: 21.10 min Scan# 1751
 Delta R.T. -0.02 min
 Lab File: BF077119.D
 Acq: 29 Jan 2015 4:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	25.4	22.1	33.1
229	18.8	15.5	23.3





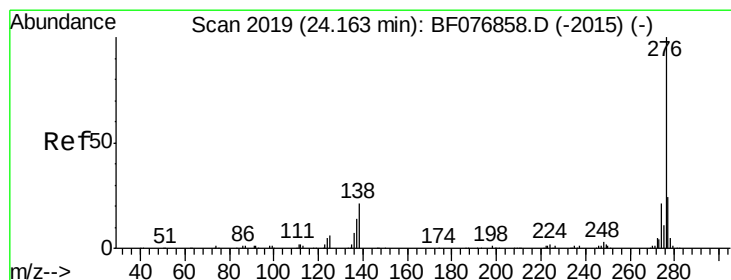
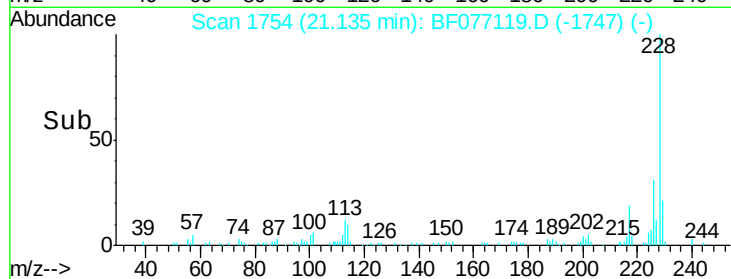
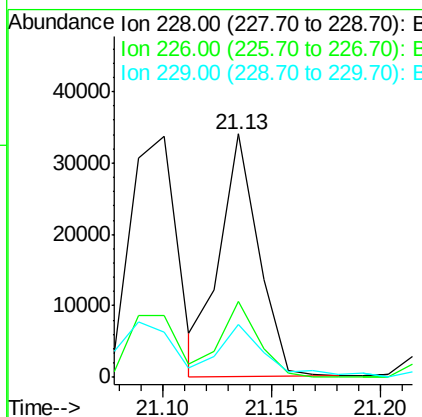
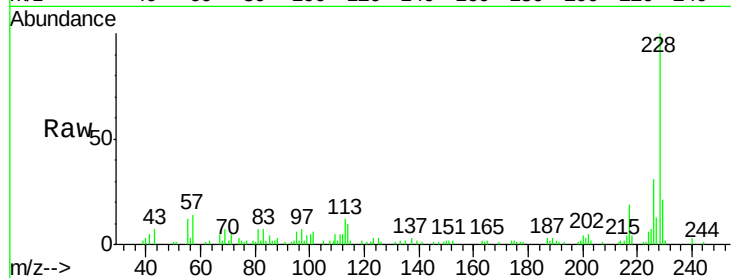
#82
 Chrysene
 Concen: 8.63 ng
 RT: 21.13 min Scan# 1754
 Delta R.T. -0.02 min
 Lab File: BF077119.D
 Acq: 29 Jan 2015 4:26

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

Tgt Ion:	228	Resp:	41475
Ion Ratio	Lower	Upper	
228	100		
226	31.5	23.4	35.0
229	21.5	15.4	23.0

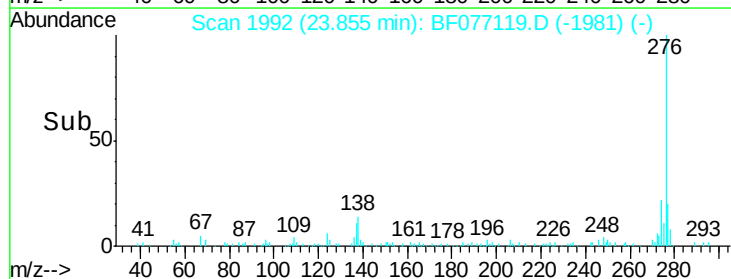
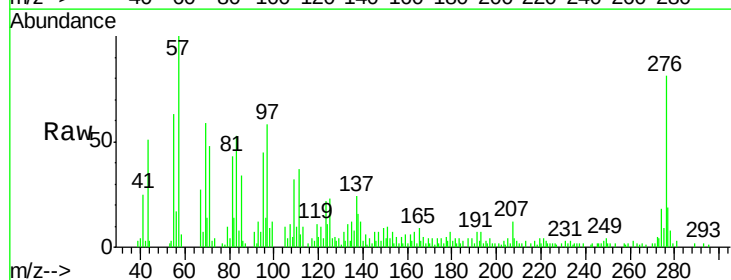
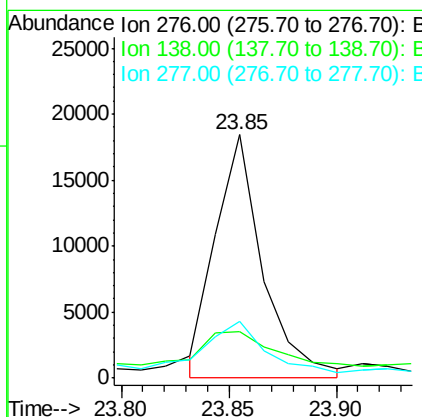
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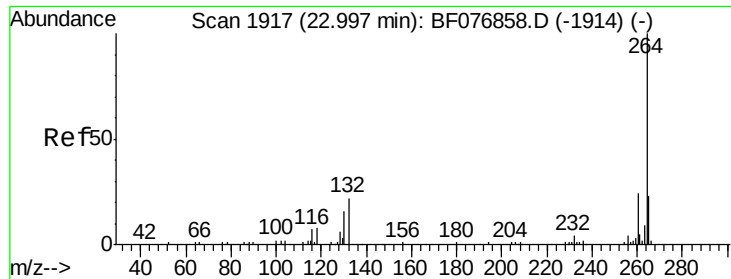
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.56 ng m
 RT: 23.85 min Scan# 1992
 Delta R.T. 0.02 min
 Lab File: BF077119.D
 Acq: 29 Jan 2015 4:26

Tgt Ion:	276	Resp:	28312
Ion Ratio	Lower	Upper	
276	100		
138	3.9	14.6	22.0#
277	2.9	14.8	22.2#





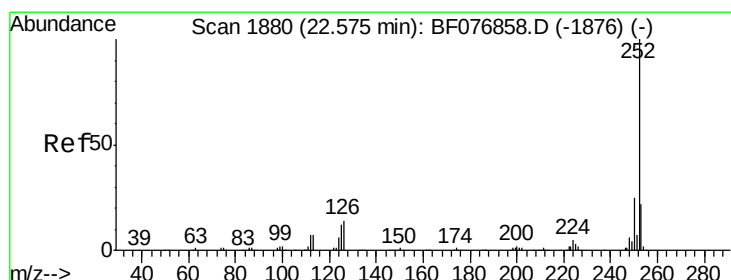
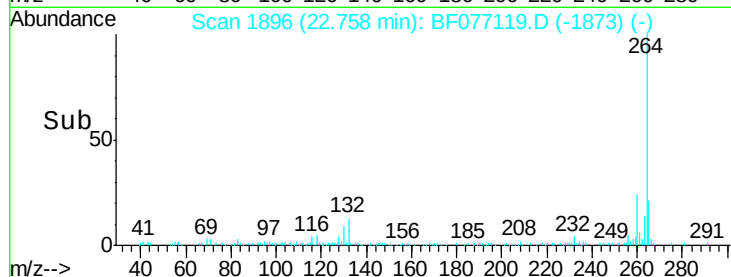
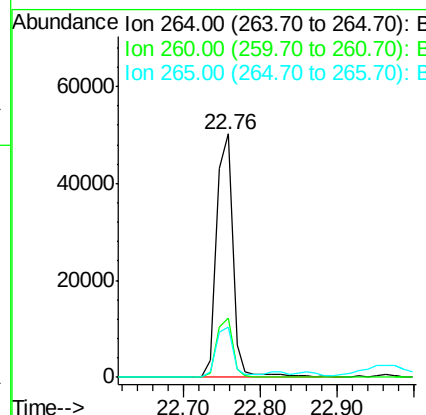
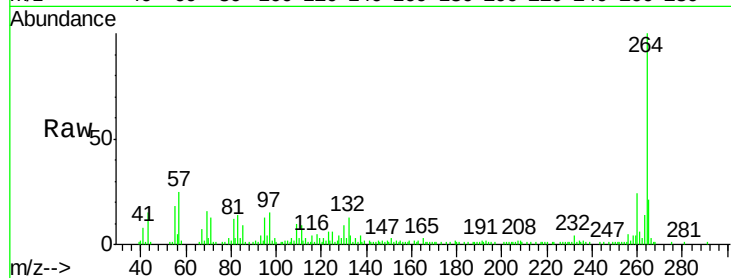
#86
Perylene-d12
Concen: 20.00 ng
RT: 22.76 min Scan# 1896
Delta R.T. -0.03 min
Lab File: BF077119.D
Acq: 29 Jan 2015 4:26

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	20.9	18.1	27.1

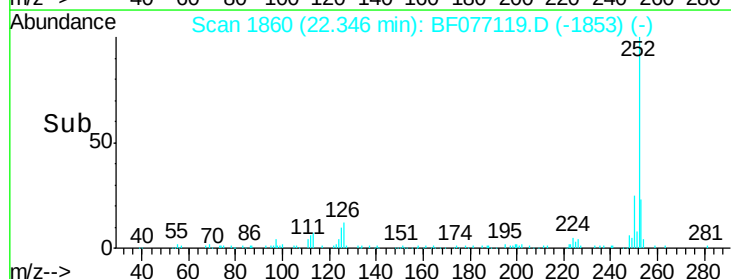
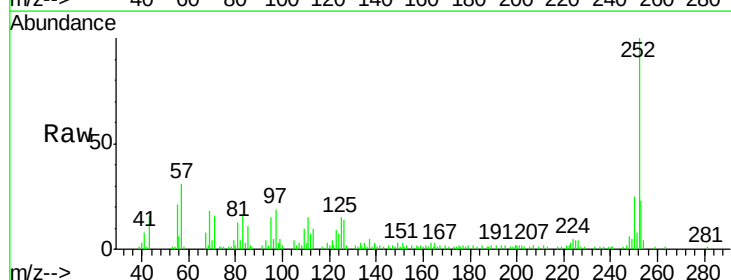
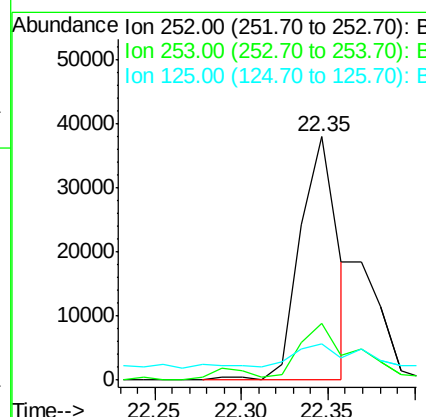
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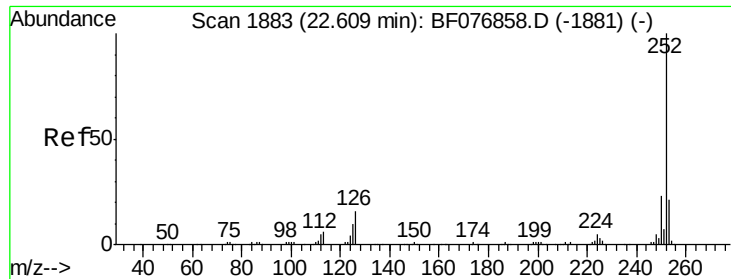
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#87
Benzo(b)fluoranthene
Concen: 11.56 ng m
RT: 22.35 min Scan# 1860
Delta R.T. -0.02 min
Lab File: BF077119.D
Acq: 29 Jan 2015 4:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	14.8	9.4	14.0#





#88

Benzo(k)fluoranthene

Concen: 4.94 ng m

RT: 22.37 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BF077119.D

Acq: 29 Jan 2015 4:26

Instrument :

BNA_F

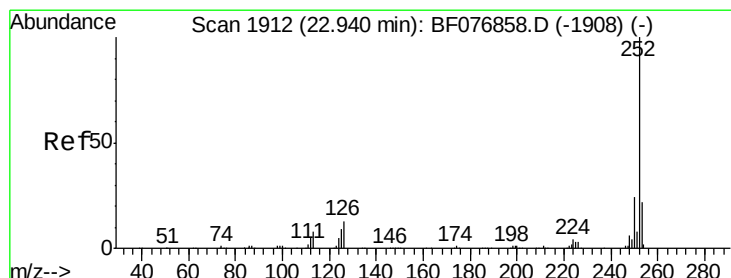
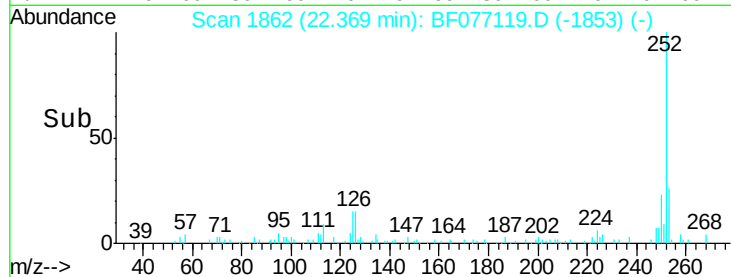
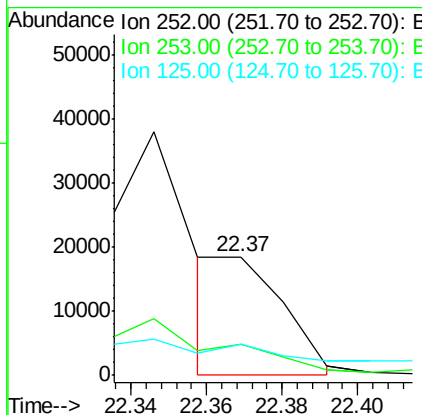
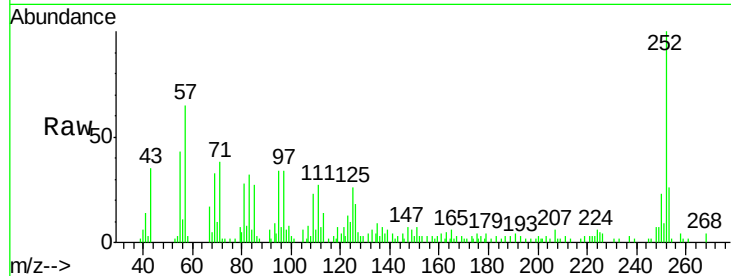
ClientSampled :

SB-84(17-19)

Tgt Ion:	252	Resp:	21533
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.2	25.8#
125	25.7	7.1	10.7#

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#89

Benzo(a)pyrene

Concen: 10.11 ng

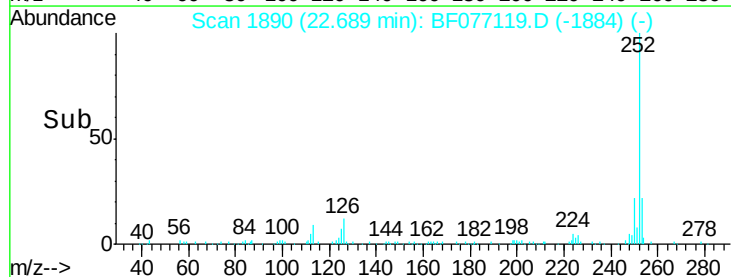
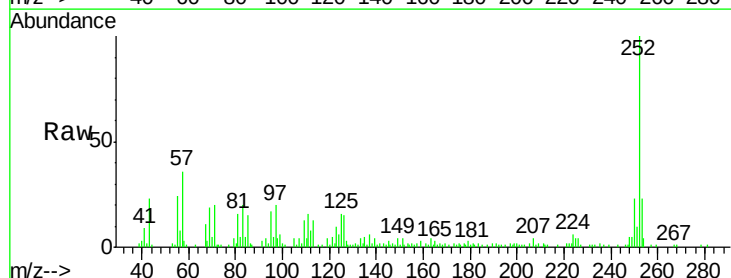
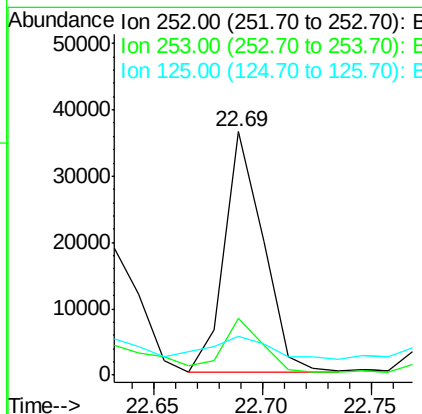
RT: 22.69 min Scan# 1890

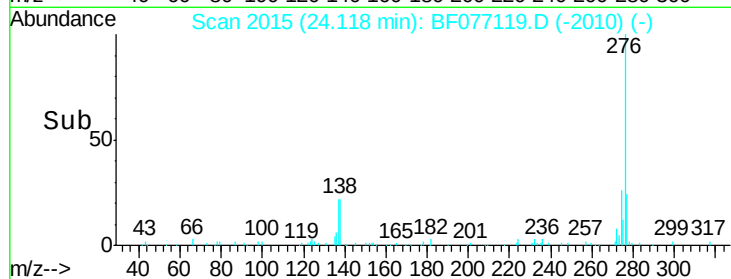
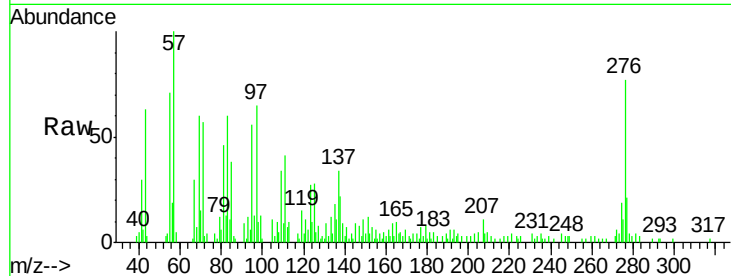
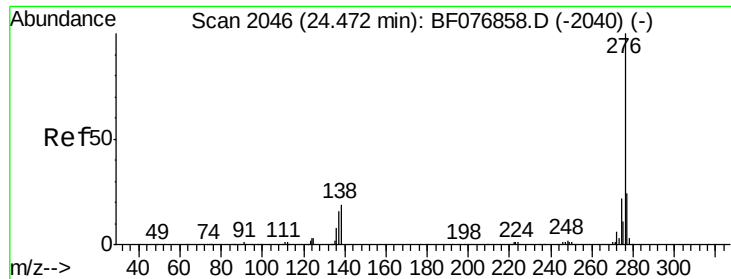
Delta R.T. -0.03 min

Lab File: BF077119.D

Acq: 29 Jan 2015 4:26

Tgt Ion:	252	Resp:	44513
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	16.1	7.2	10.8#





#91

Benzo(g,h,i)perylene

Concen: 6.59 ng

RT: 24.12 min Scan# 2015

Delta R.T. -0.05 min

Lab File: BF077119.D

Acq: 29 Jan 2015 4:26

Instrument :

BNA_F

ClientSampleId :

SB-84(17-19)

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	27.5	19.5	29.3
138	29.1	15.0	22.6

Manual Integrations
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