

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\
 Data File : BF079149.D
 Acq On : 12 May 2015 9:01
 Operator : TP/IZ
 Sample : G2176-13
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-12A(0-3)

Manual Integrations
 APPROVED

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 5/12/2015 4:51:31 PM

Quant Time: May 12 15:39:21 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 12 15:22:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.30	152	51265	20.00	ng	0.00
21) Naphthalene-d8	8.88	136	208147	20.00	ng	0.00
38) Acenaphthene-d10	11.05	164	108959	20.00	ng	0.00
63) Phenanthrene-d10	12.90	188	216598	20.00	ng	0.01
75) Chrysene-d12	16.22	240	213178	20.00	ng	0.02
86) Perylene-d12	18.00	264	261801	20.00	ng	0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	236794	79.51	ng	0.00
7) Phenol-d6	6.87	99	330083	83.85	ng	0.01
23) Nitrobenzene-d5	7.99	82	199245	55.01	ng	0.00
41) 2,4,6-Tribromophenol	12.03	330	100681	85.41	ng	0.00
44) 2-Fluorobiphenyl	10.22	172	378946	48.45	ng	0.00
78) Terphenyl-d14	14.90	244	486740	54.66	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.73	163	30852	3.86	ng	99
70) Phenanthrene	12.93	178	375715	31.01	ng	99
71) Anthracene	12.99	178	346794	29.17	ng	99
72) Carbazole	13.20	167	58374	5.15	ng	98
74) Fluoranthene	14.42	202	2794564	221.33	ng	97
77) Pyrene	14.70	202	2241939	182.50	ng	# 95
80) Benzo(a)anthracene	16.21	228	2091586m	179.17	ng	
82) Chrysene	16.25	228	1713528m	152.61	ng	
85) Indeno(1,2,3-cd)pyrene	19.50	276	1212305m	84.74	ng	
87) Benzo(b)fluoranthene	17.54	252	2533392m	176.79	ng	
88) Benzo(k)fluoranthene	17.58	252	660429m	47.61	ng	
89) Benzo(a)pyrene	17.94	252	1558257	118.10	ng	# 94
90) Dibenzo(a,h)anthracene	19.51	278	359347	25.63	ng	94
91) Benzo(g,h,i)perylene	19.93	276	964259	68.61	ng	94

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

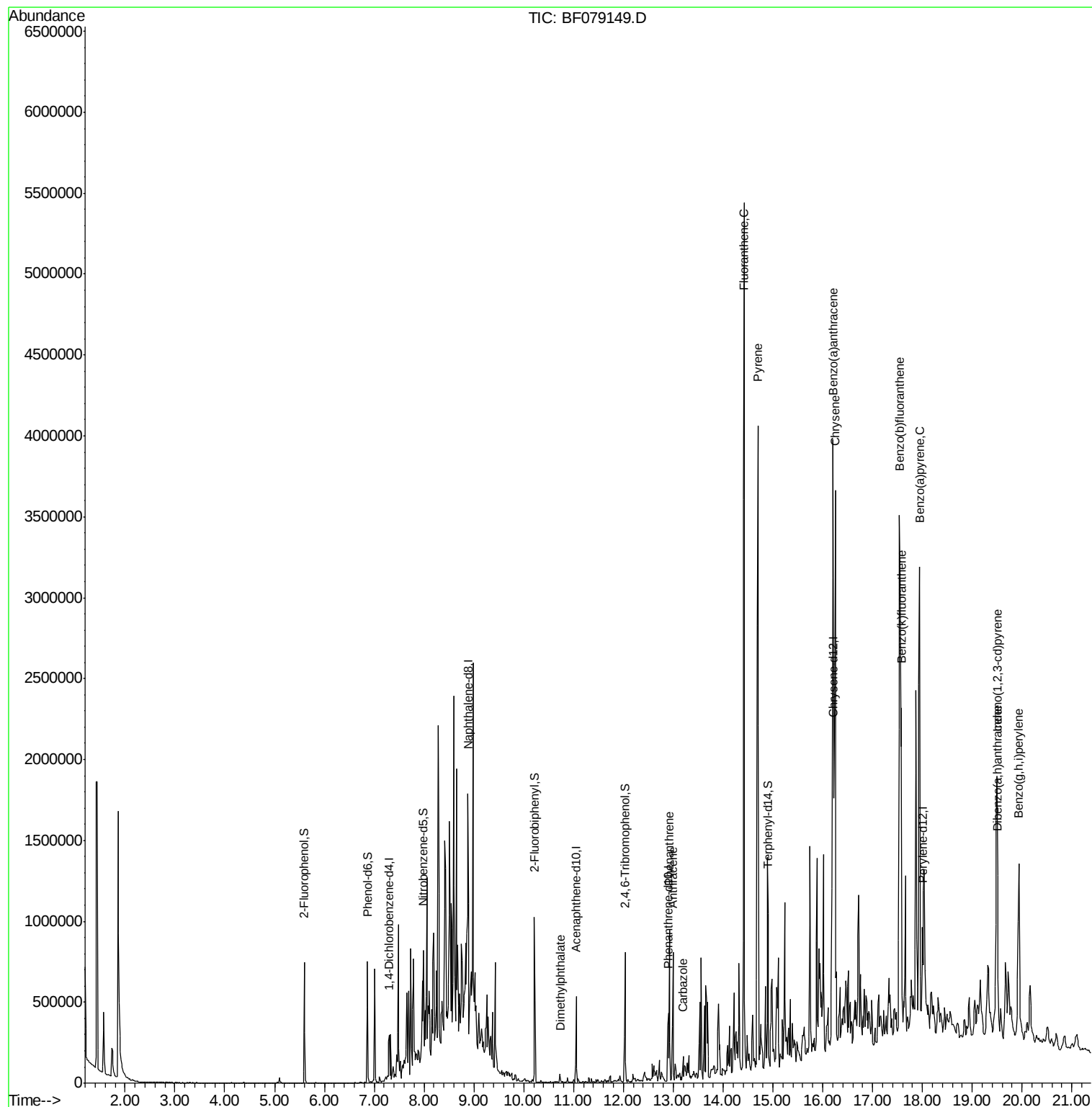
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051115\
Data File : BF079149.D
Acq On : 12 May 2015 9:01
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Response via : Initial Calibration





#1

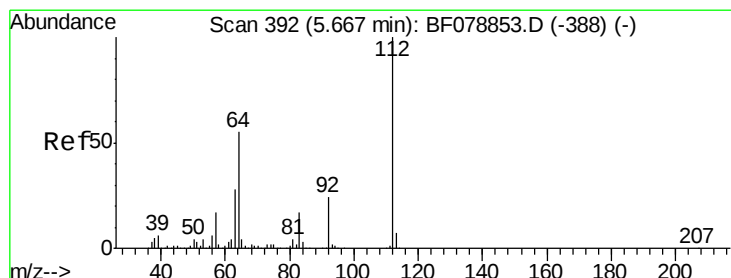
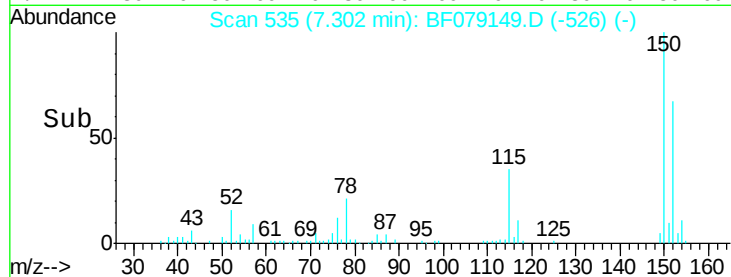
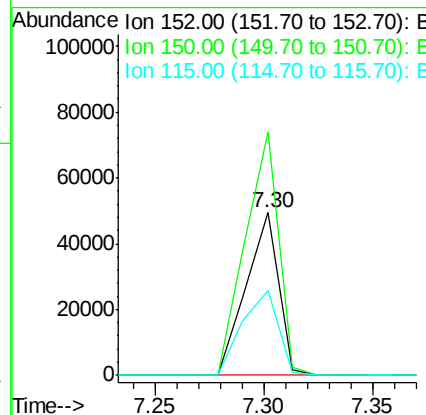
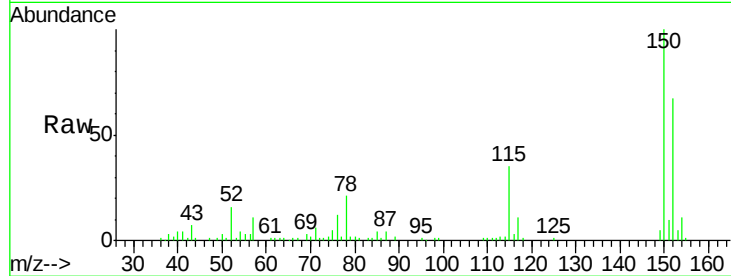
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.30 min Scan# 535
Delta R.T. -0.00 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Instrument :
BNA_F
ClientSampleId :
PS-12A(0-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	122.0	183.0
115	51.8	46.3	69.5

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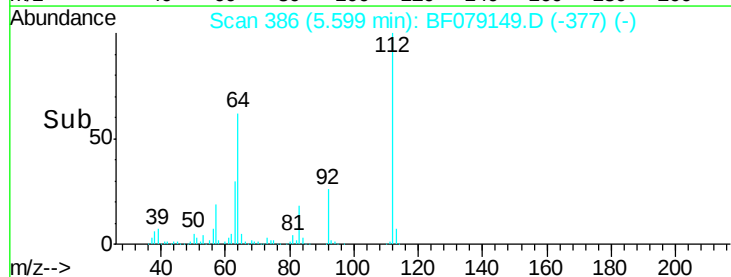
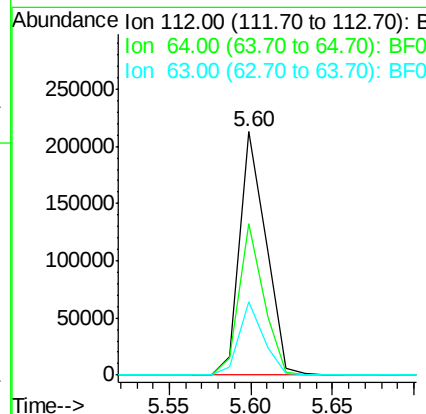
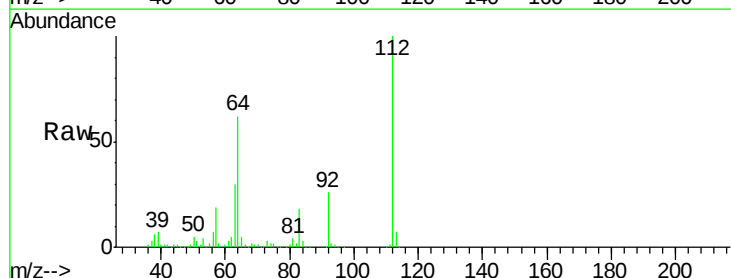
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#5

2-Fluorophenol
Concen: 79.51 ng
RT: 5.60 min Scan# 386
Delta R.T. -0.00 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	53.5	80.3
63	30.3	27.5	41.3





#7

Phenol-d6

Concen: 83.85 ng

RT: 6.87 min Scan# 497

Delta R.T. 0.01 min

Lab File: BF079149.D

Acq: 12 May 2015 9:01

Instrument :

BNA_F

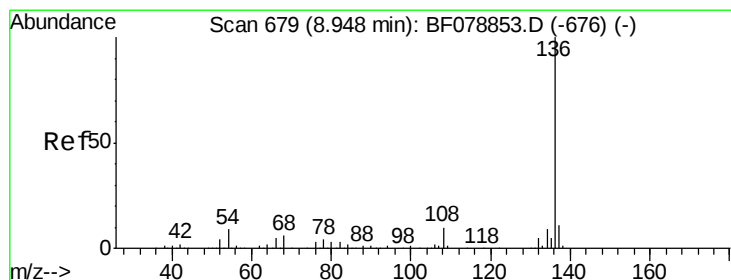
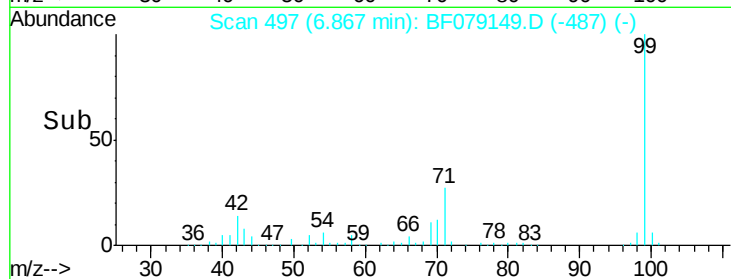
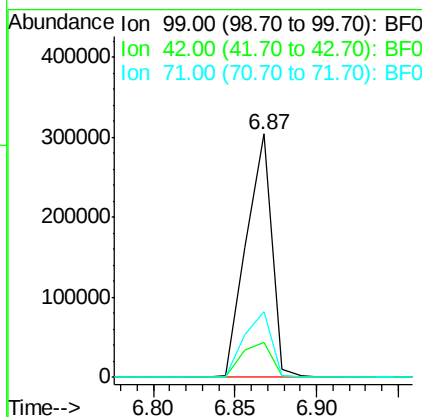
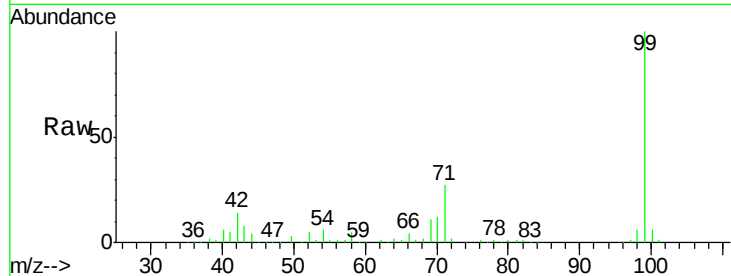
ClientSampleId :

PS-12A(0-3)

Tot Ion:	99	Resp:	330083
Ion Ratio	Lower	Upper	
99	100		
42	14.3	12.8	19.2
71	26.8	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.00 ng

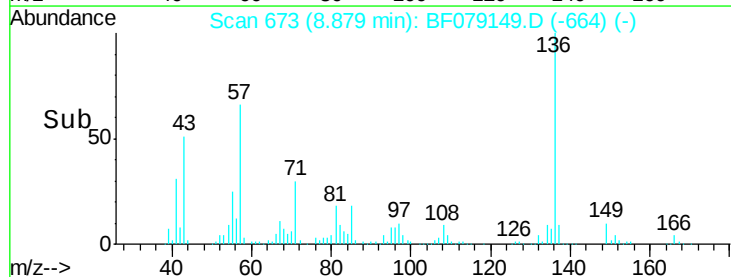
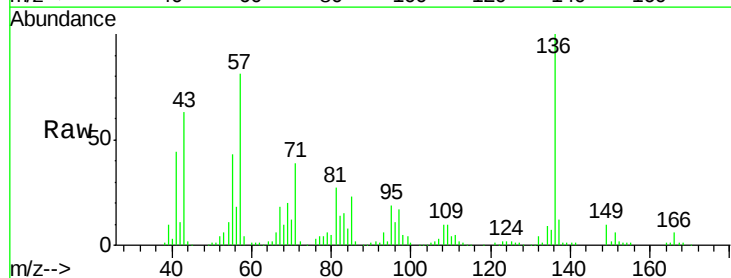
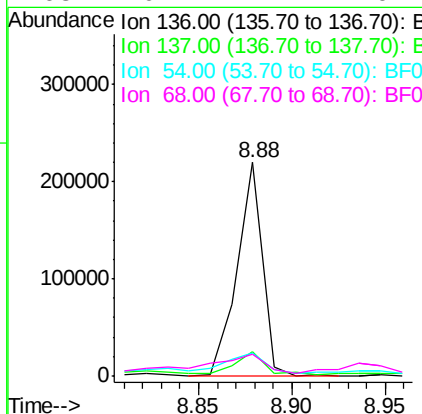
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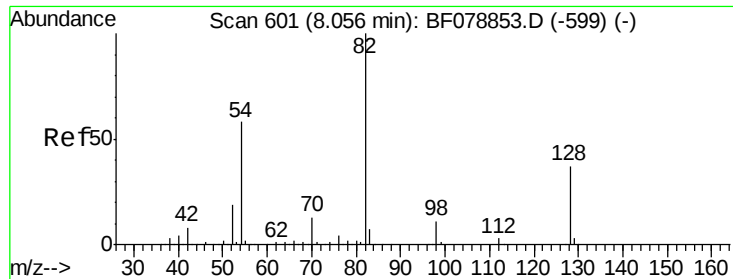
Delta R.T. -0.00 min

Lab File: BF079149.D

Acq: 12 May 2015 9:01

Tgt Ion:	136	Resp:	208147
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.7	13.1
54	11.0	5.8	8.8#
68	10.1	4.2	6.4#





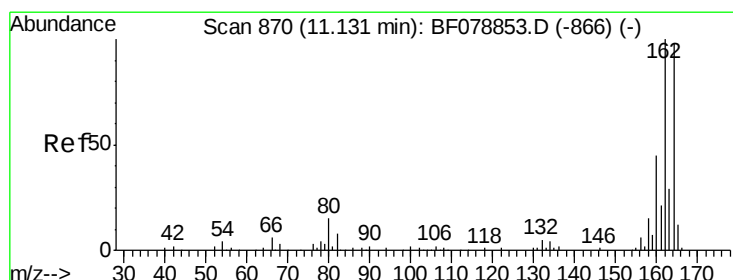
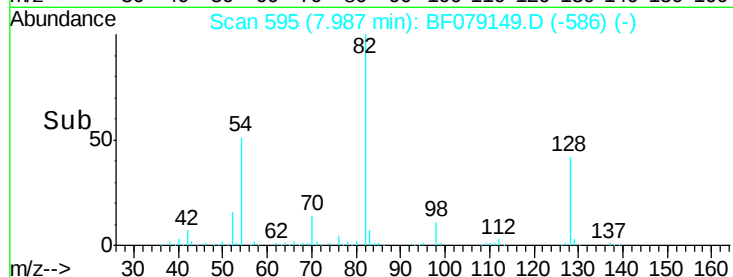
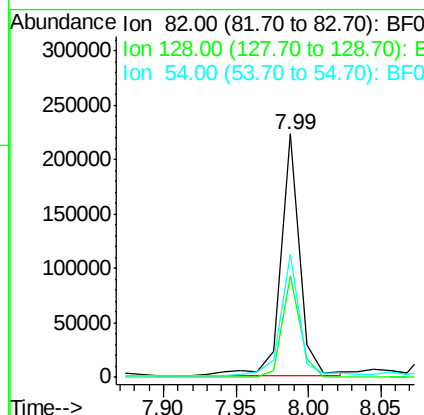
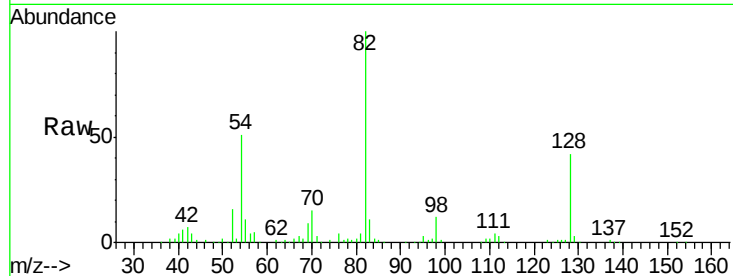
#23
Nitrobenzene-d5
Concen: 55.01 ng
RT: 7.99 min Scan# 595
Delta R.T. -0.00 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Instrument :
BNA_F
ClientSampleId :
PS-12A(0-3)

Tot Ion	82	Resp	199245
Ion Ratio	Lower	Upper	
82	100		
128	41.8	30.0	45.0
54	50.8	46.4	69.6

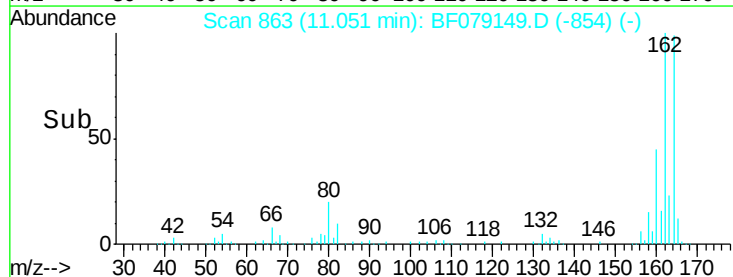
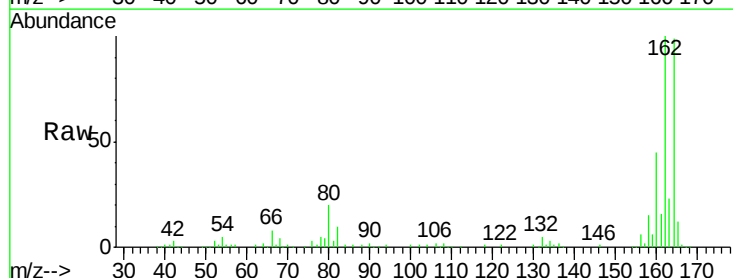
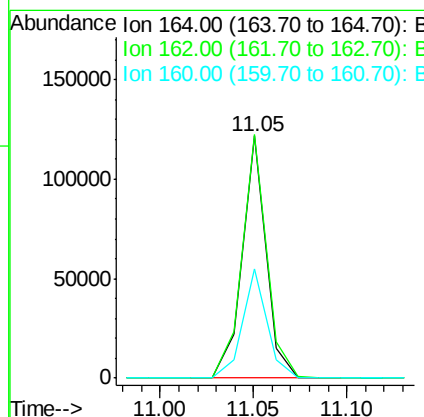
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Tgt Ion	164	Resp	108959
Ion Ratio	Lower	Upper	
164	100		
162	100.5	82.7	124.1
160	44.9	35.8	53.8





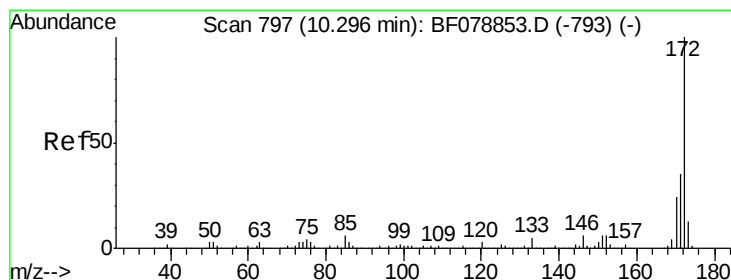
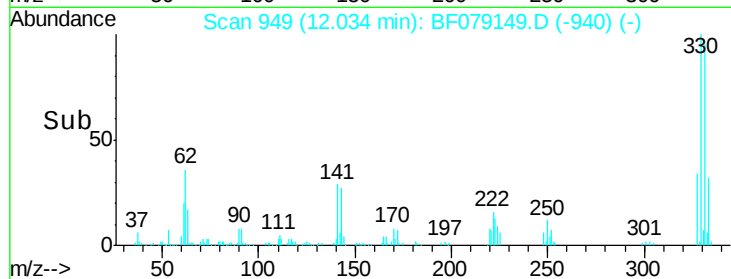
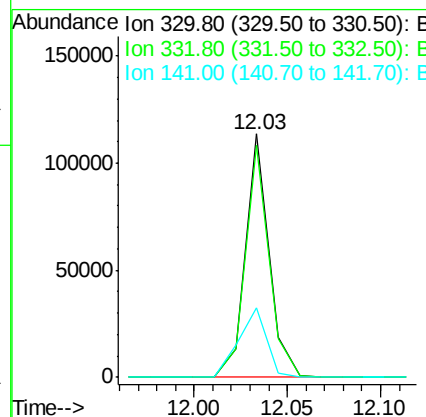
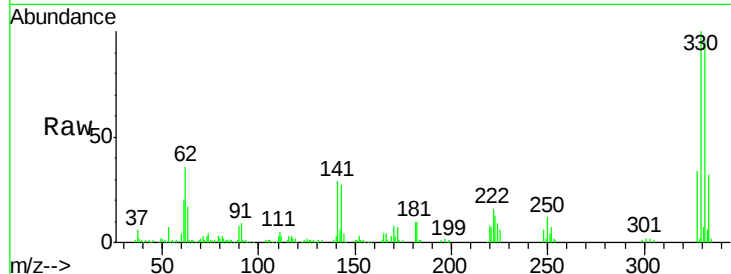
#41
 2,4,6-Tribromophenol
 Concen: 85.41 ng
 RT: 12.03 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: BF079149.D
 Acq: 12 May 2015 9:01

Instrument :
 BNA_F
 ClientSampleId :
 PS-12A(0-3)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.9	0.0	0.0#
141	34.5	0.0	0.0#

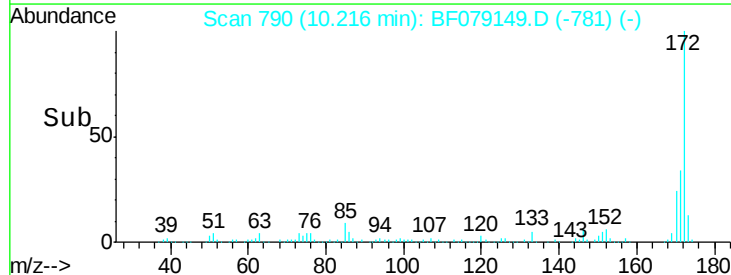
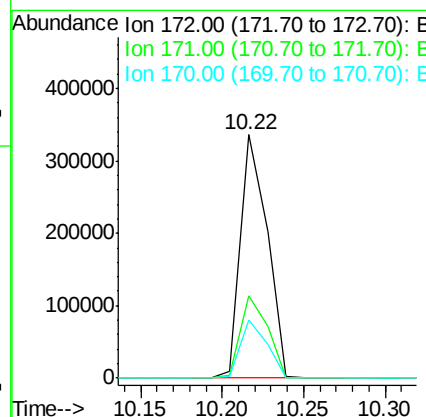
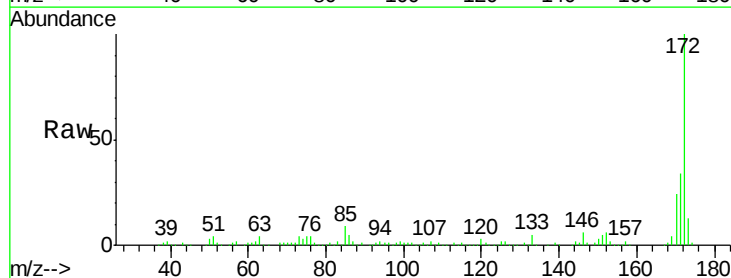
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#44
 2-Fluorobiphenyl
 Concen: 48.45 ng
 RT: 10.22 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF079149.D
 Acq: 12 May 2015 9:01

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.0	27.9	41.9
170	23.6	19.4	29.0





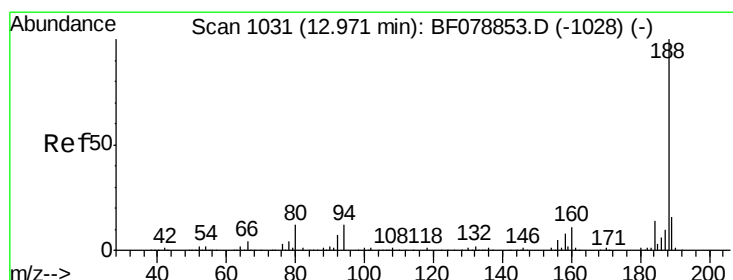
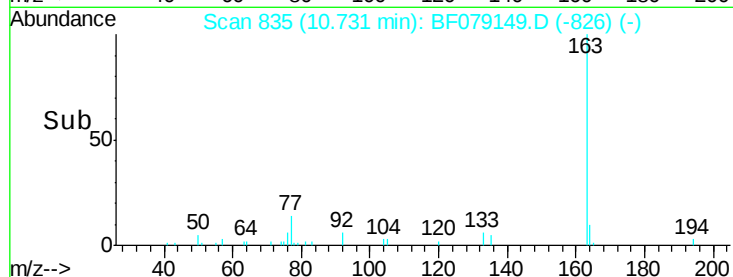
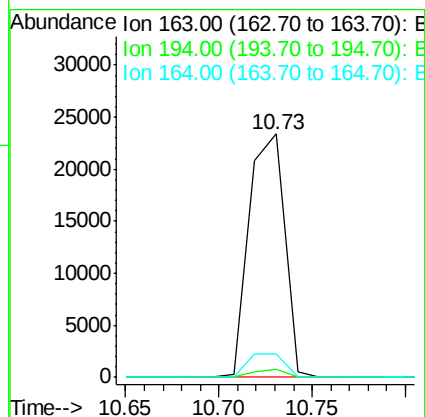
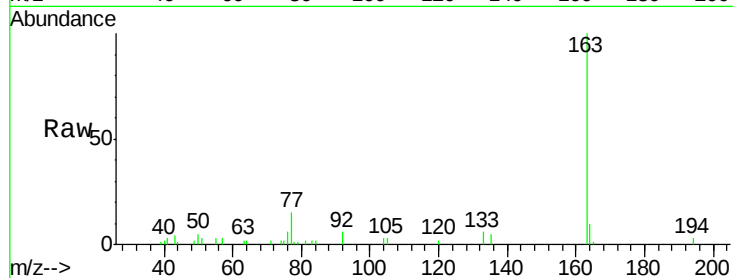
#49
Dimethylphthalate
Concen: 3.86 ng
RT: 10.73 min Scan# 835
Delta R.T. -0.00 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Instrument :
BNA_F
ClientSampleId :
PS-12A(0-3)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.8	8.1	12.1

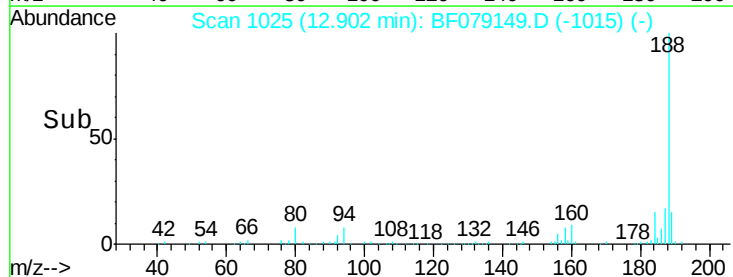
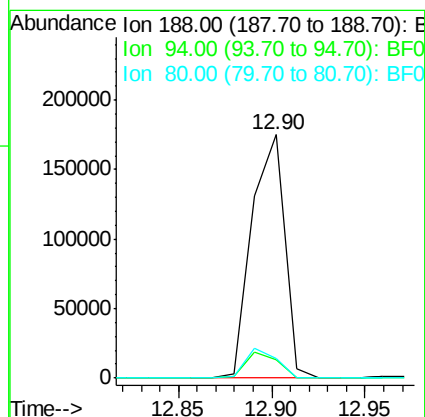
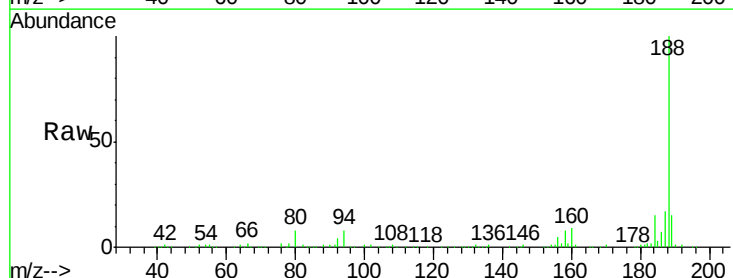
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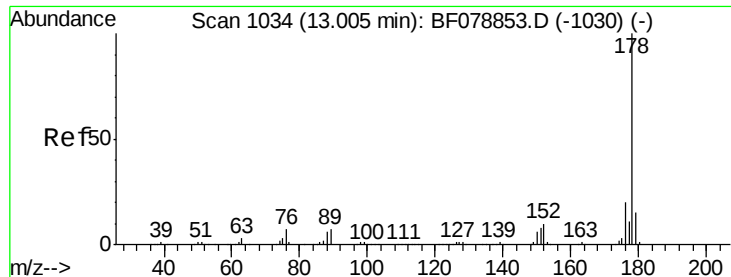
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.90 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	7.7	8.2	12.2#
80	8.0	8.9	13.3#





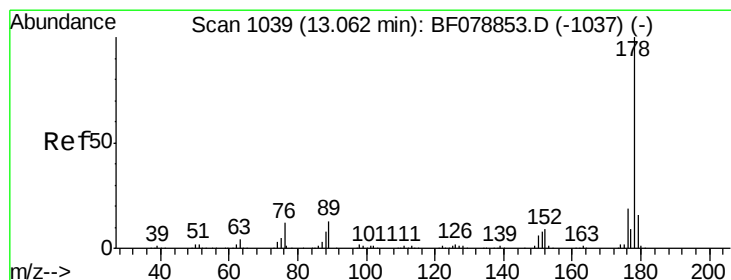
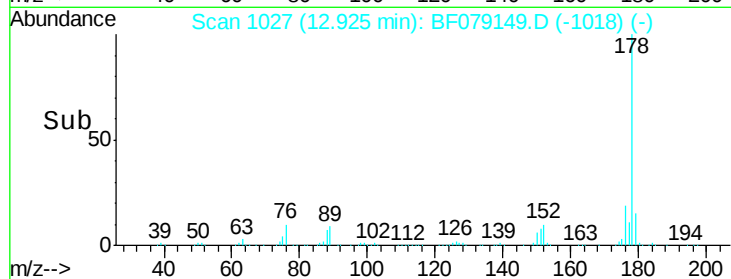
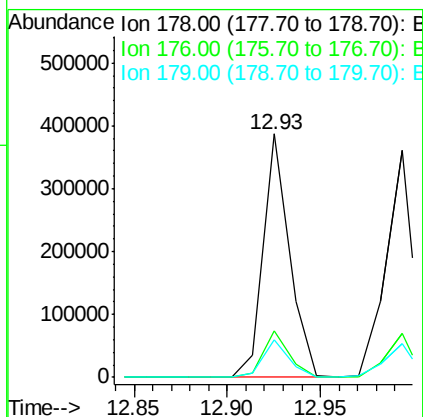
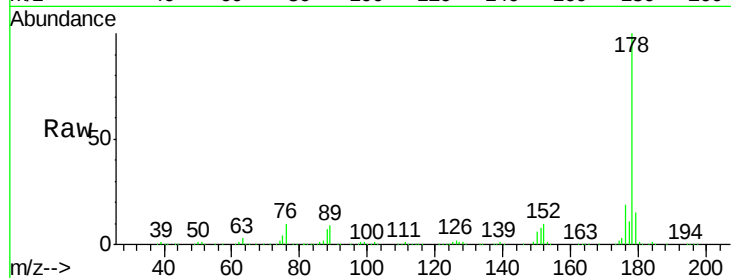
#70
Phenanthrene
Concen: 31.01 ng
RT: 12.93 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Instrument :
BNA_F
ClientSampleId :
PS-12A(0-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.2	12.5	18.7

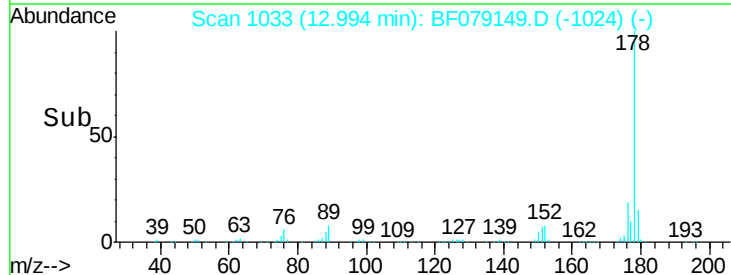
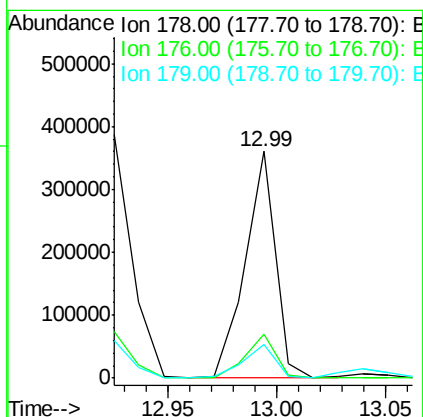
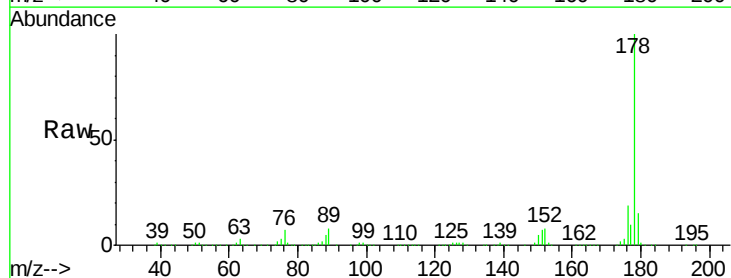
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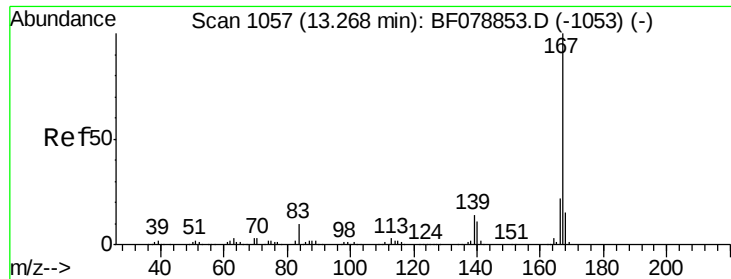
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#71
Anthracene
Concen: 29.17 ng
RT: 12.99 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.1	12.7	19.1





#72

Carbazole

Concen: 5.15 ng

RT: 13.20 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF079149.D

Acq: 12 May 2015 9:01

Instrument :

BNA_F

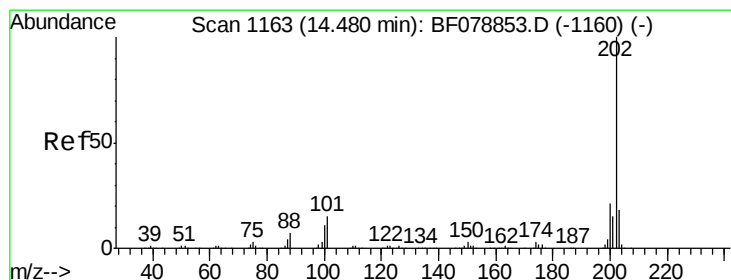
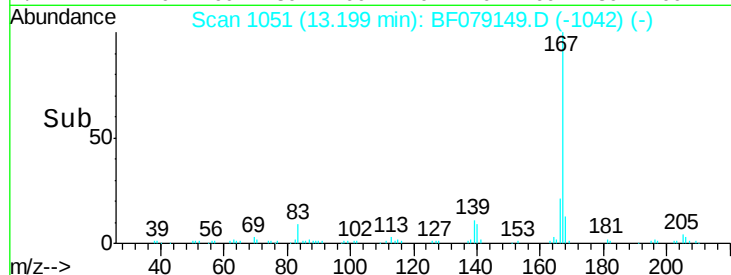
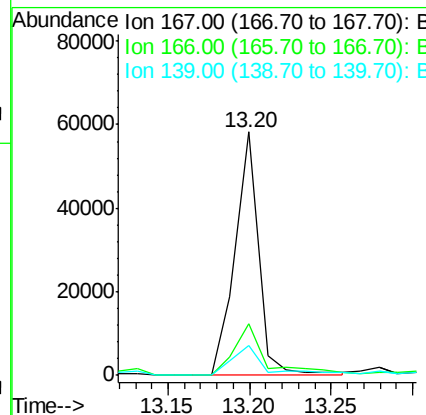
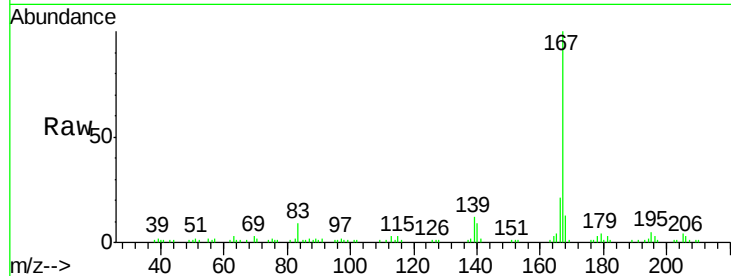
ClientSampleId :

PS-12A(0-3)

Tot Ion:	167	Resp:	58374
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.8	26.8
139	12.5	10.6	16.0

Manual Integrations
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#74

Fluoranthene

Concen: 221.33 ng

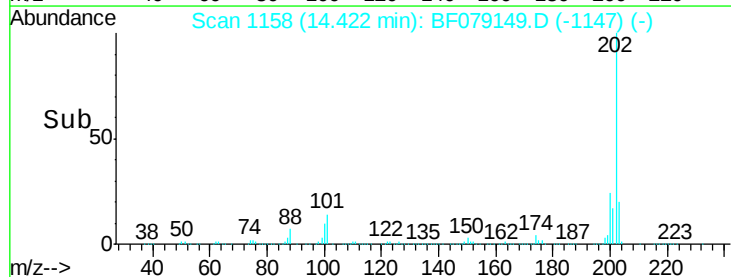
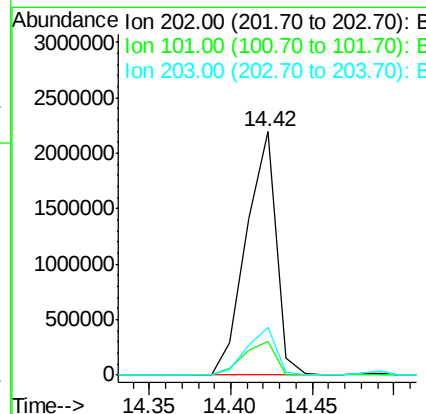
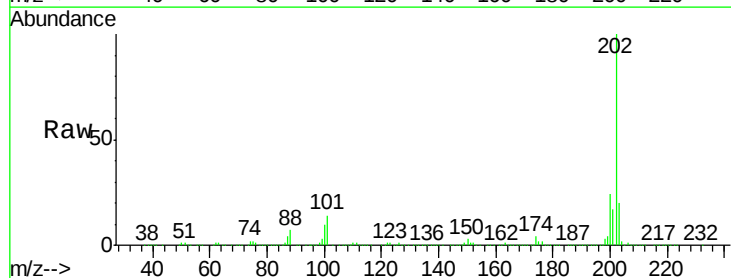
RT: 14.42 min Scan# 1158

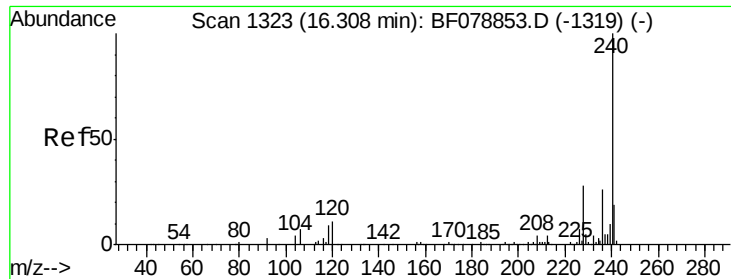
Delta R.T. 0.02 min

Lab File: BF079149.D

Acq: 12 May 2015 9:01

Tgt Ion:	202	Resp:	2794564
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	34.6
203	19.8	0.0	38.4





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.22 min Scan# 1315

Delta R.T. 0.02 min

Lab File: BF079149.D

Acq: 12 May 2015 9:01

Instrument :

BNA_F

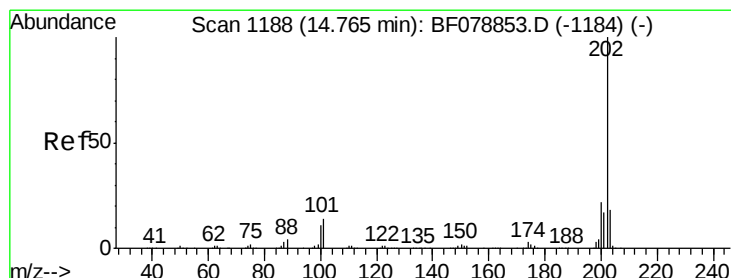
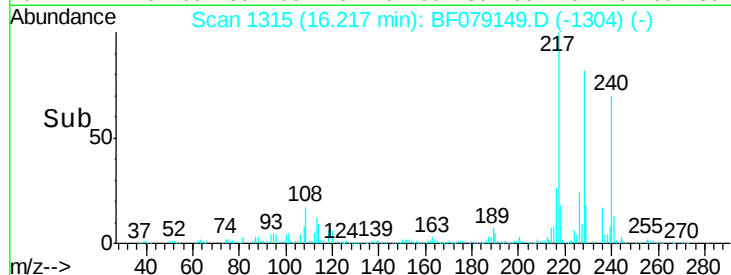
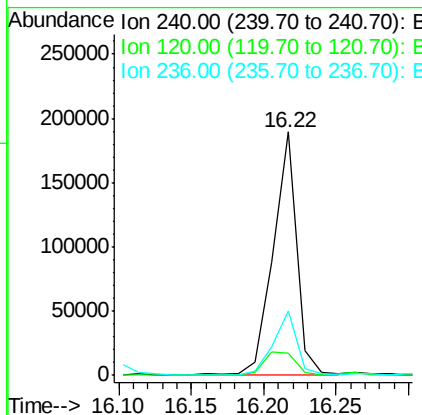
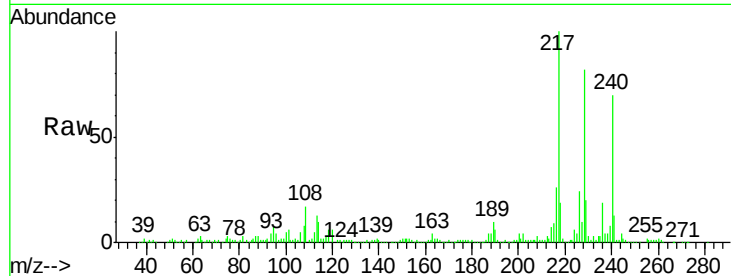
ClientSampleId :

PS-12A(0-3)

Tot Ion:	240	Resp:	213178
Ion Ratio		Lower	Upper
240	100		
120	9.2	9.7	14.5#
236	26.6	20.2	30.4

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#77

Pyrene

Concen: 182.50 ng

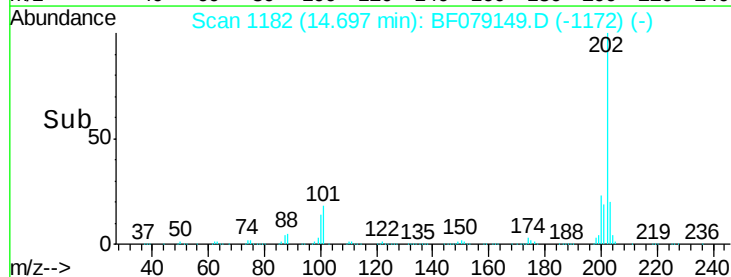
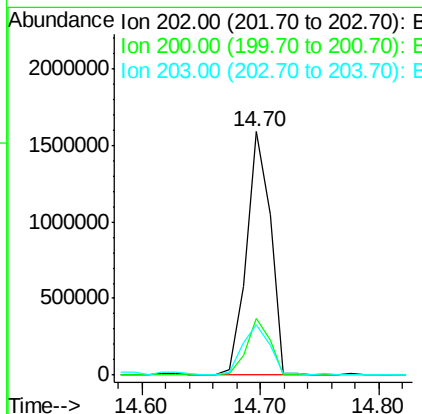
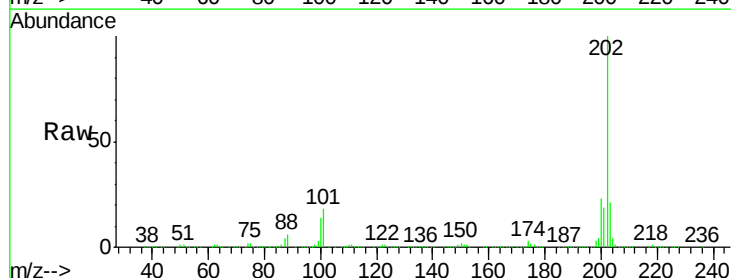
RT: 14.70 min Scan# 1182

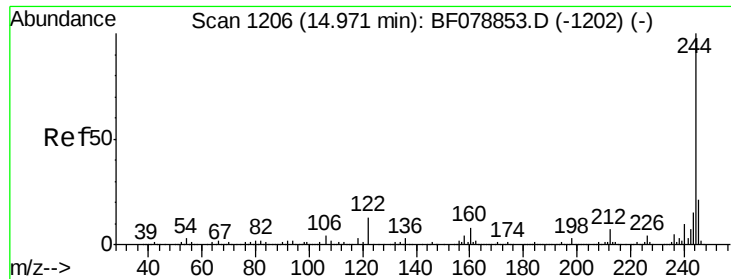
Delta R.T. 0.01 min

Lab File: BF079149.D

Acq: 12 May 2015 9:01

Tgt Ion:	202	Resp:	2241939
Ion Ratio		Lower	Upper
202	100		
200	23.2	17.5	26.3
203	20.9	13.9	20.9#





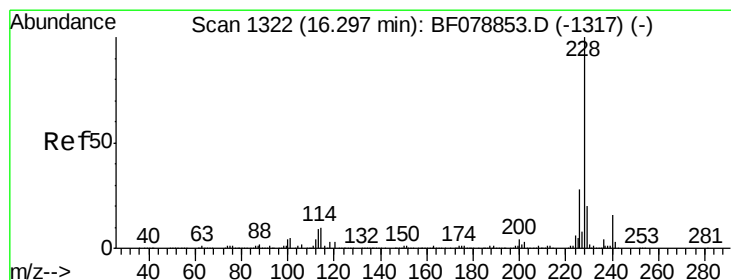
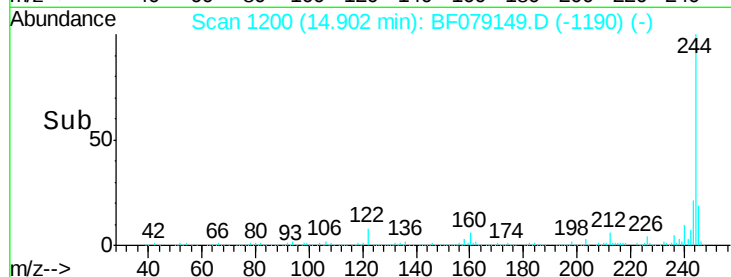
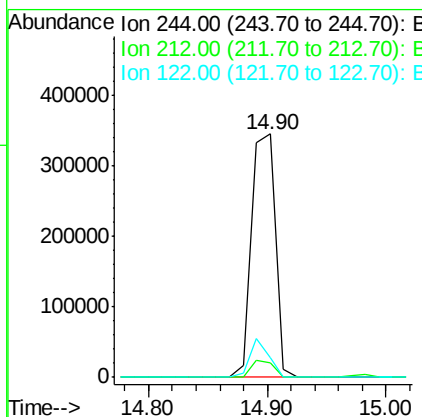
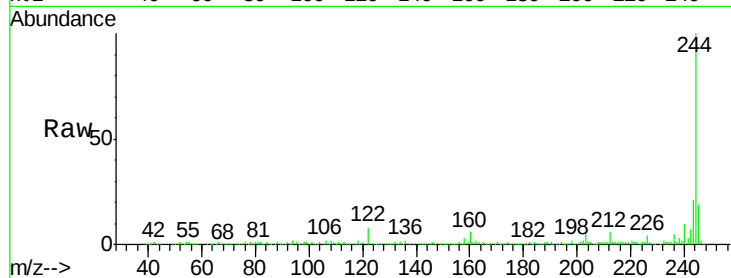
#78
 Terphenyl-d14
 Concen: 54.66 ng
 RT: 14.90 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: BF079149.D
 Acq: 12 May 2015 9:01

Instrument :
 BNA_F
 ClientSampleId :
 PS-12A(0-3)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.6	8.4
122	8.0	10.3	15.5

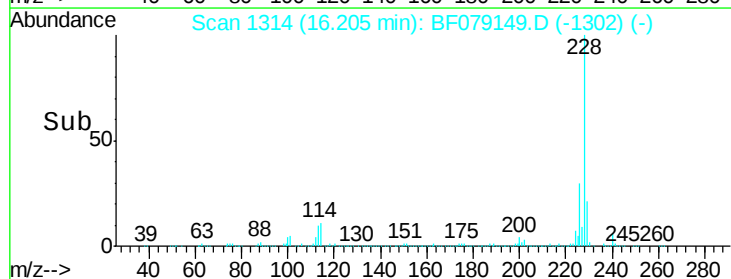
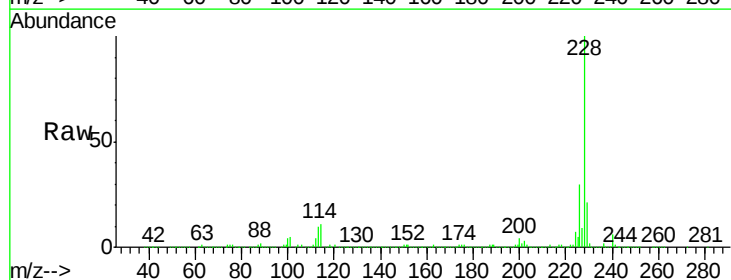
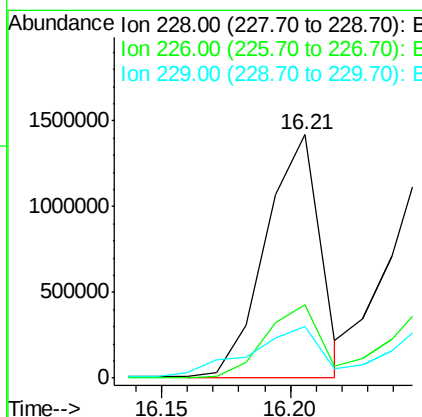
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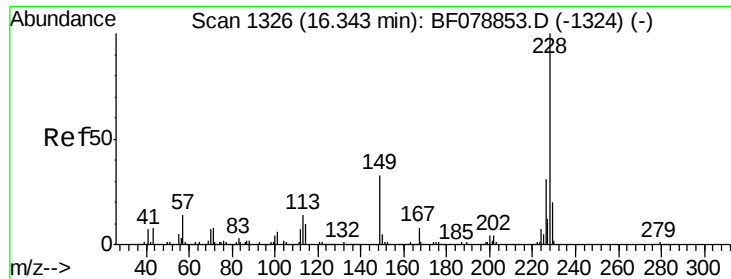
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#80
 Benzo(a)anthracene
 Concen: 179.17 ng m
 RT: 16.21 min Scan# 1314
 Delta R.T. 0.03 min
 Lab File: BF079149.D
 Acq: 12 May 2015 9:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	21.2	15.9	23.9





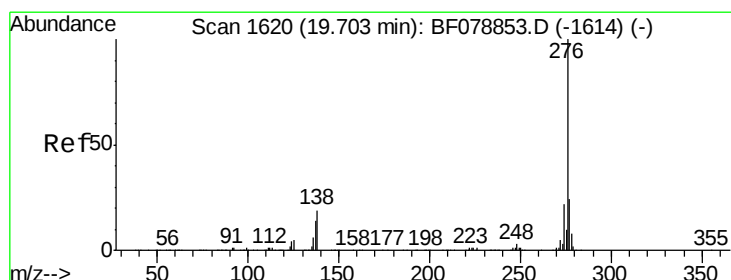
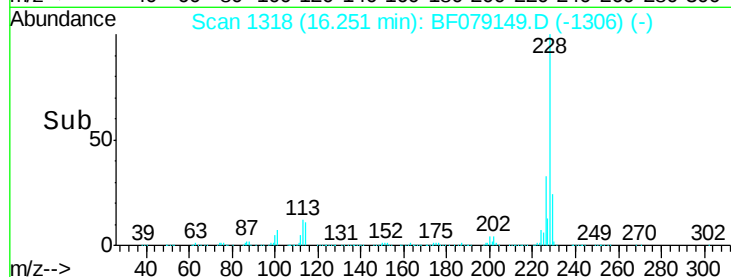
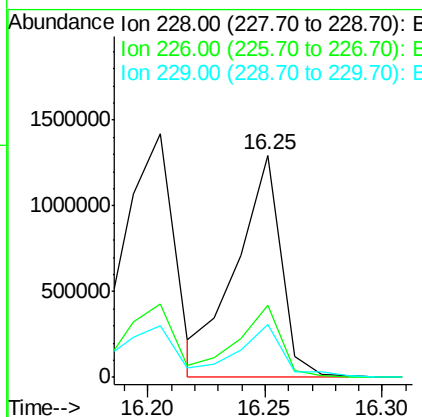
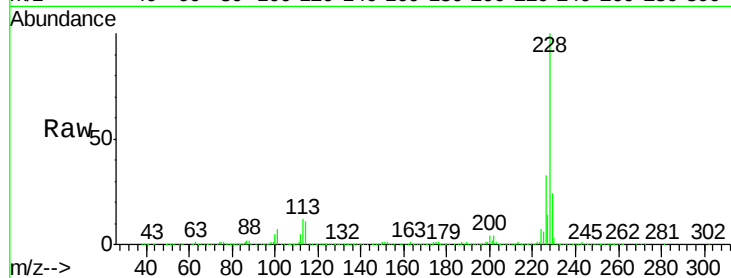
#82
Chrysene
Concen: 152.61 ng m
RT: 16.25 min Scan# 1318
Delta R.T. 0.03 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Instrument :
BNA_F
ClientSampleId :
PS-12A(0-3)

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	24.9	37.3
229	23.9	16.0	24.0

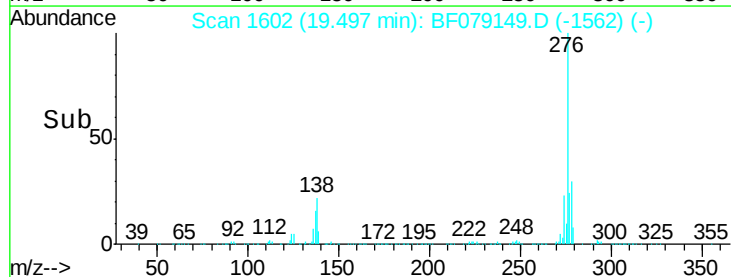
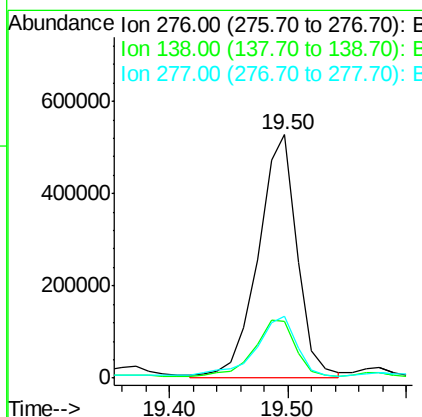
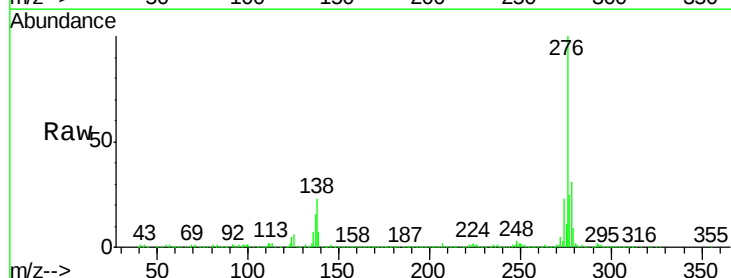
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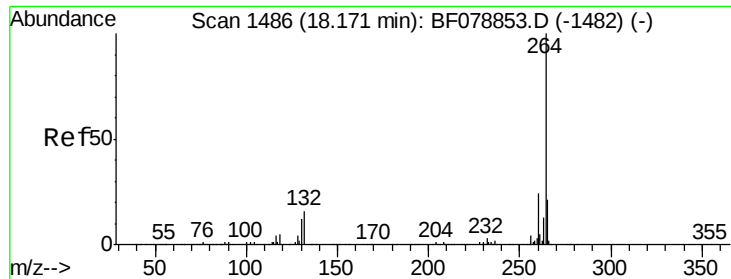
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#85
Indeno(1,2,3-cd)pyrene
Concen: 84.74 ng m
RT: 19.50 min Scan# 1602
Delta R.T. 0.16 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.1	0.0	0.0#
277	5.1	0.0	0.0#





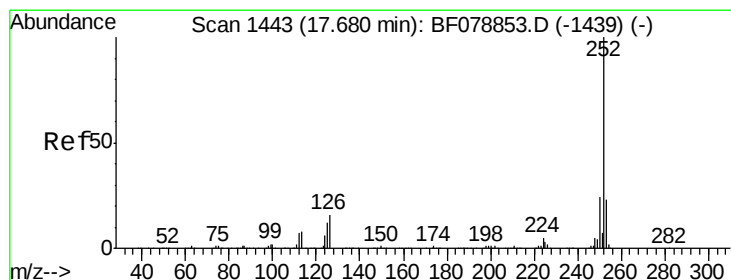
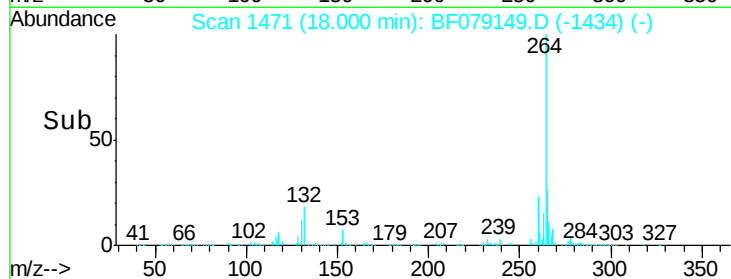
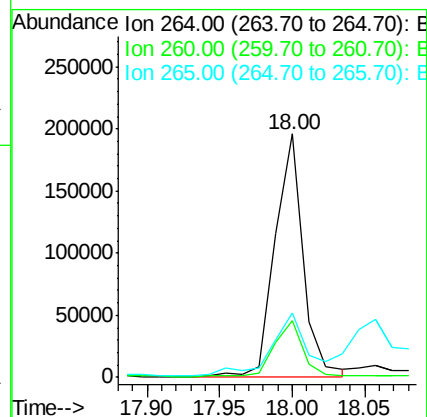
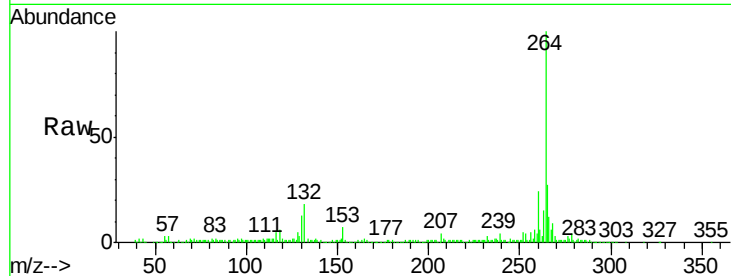
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.00 min Scan# 1471
Delta R.T. 0.13 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Instrument :
BNA_F
ClientSampleId :
PS-12A(0-3)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	26.6	18.3	27.5

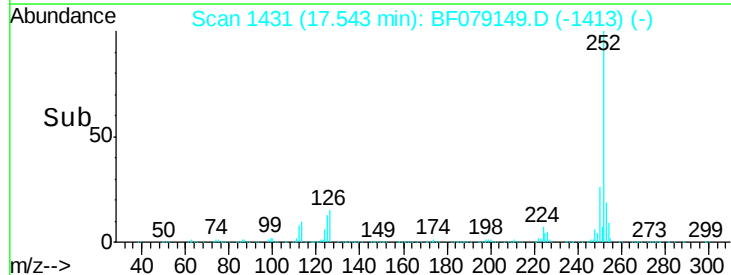
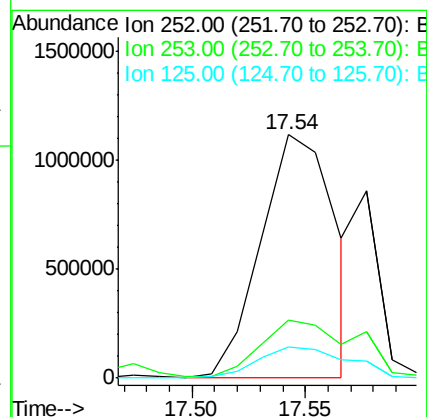
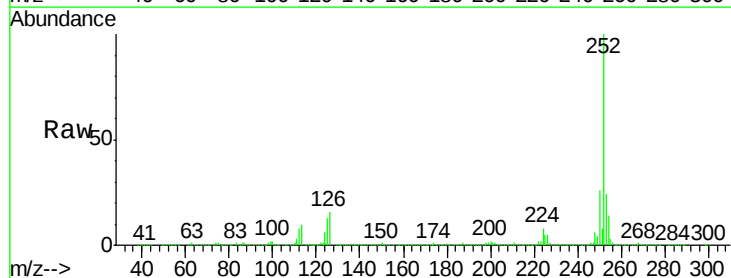
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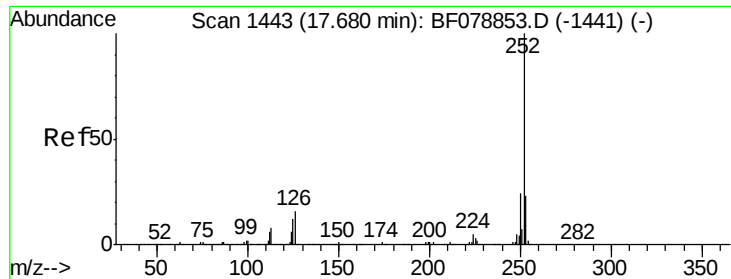
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#87
Benzo(b)fluoranthene
Concen: 176.79 ng m
RT: 17.54 min Scan# 1431
Delta R.T. 0.10 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.7	26.5
125	13.0	9.5	14.3





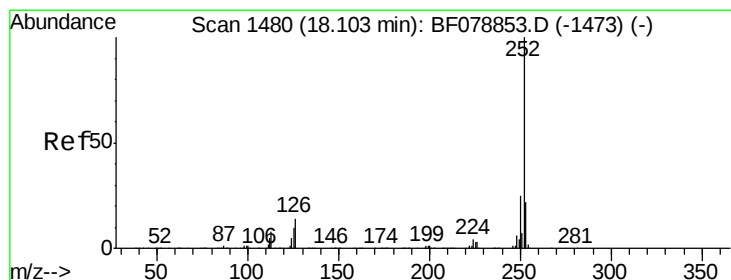
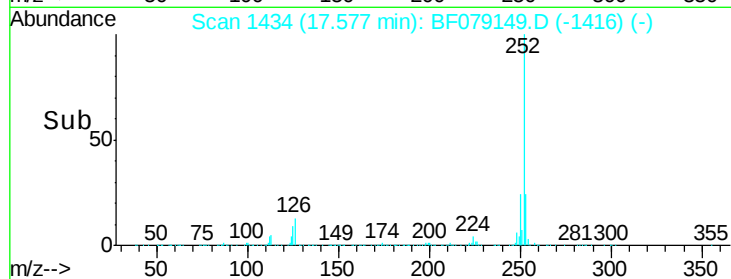
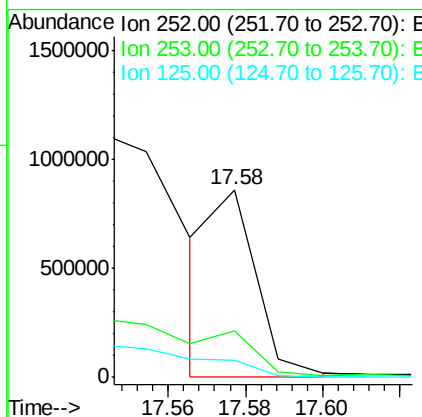
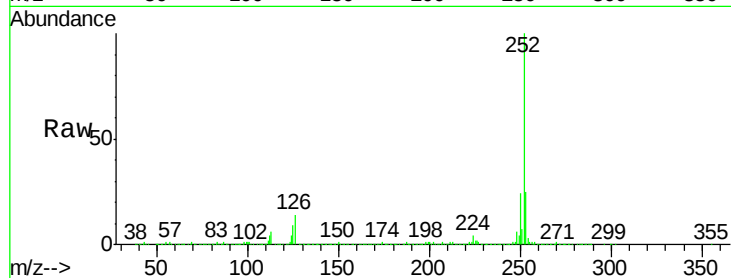
#88
Benzo(k)fluoranthene
Concen: 47.61 ng m
RT: 17.58 min Scan# 1434
Delta R.T. 0.10 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Instrument :
BNA_F
ClientSampled :
PS-12A(0-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	8.9	10.0	15.0#

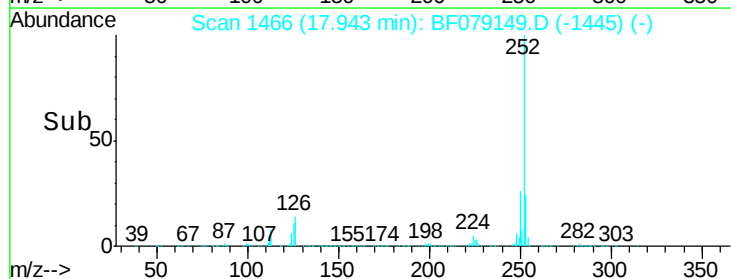
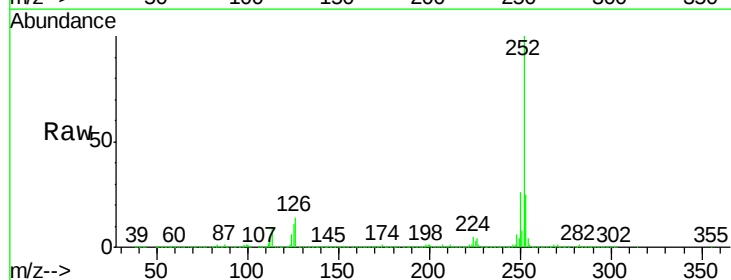
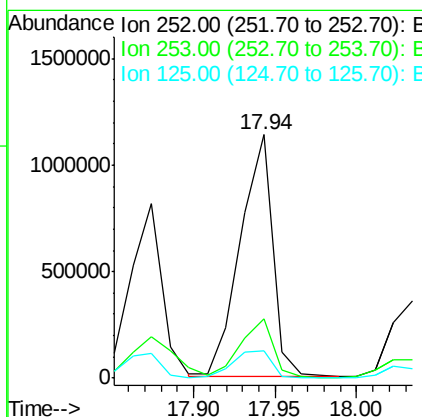
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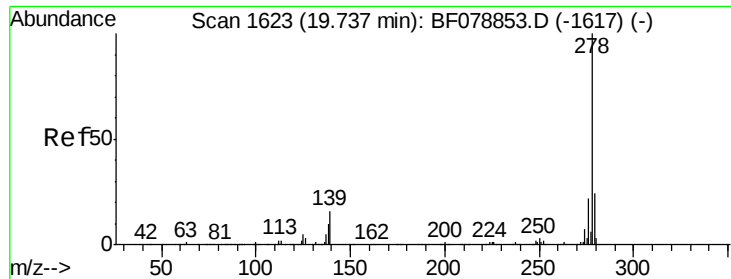
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#89
Benzo(a)pyrene
Concen: 118.10 ng
RT: 17.94 min Scan# 1466
Delta R.T. 0.14 min
Lab File: BF079149.D
Acq: 12 May 2015 9:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.3	25.9
125	11.1	7.0	10.6#





#90

Dibenzo(a,h)anthracene

Concen: 25.63 ng

RT: 19.51 min Scan# 1603

Delta R.T. 0.14 min

Lab File: BF079149.D

Acq: 12 May 2015 9:01

Instrument :

BNA_F

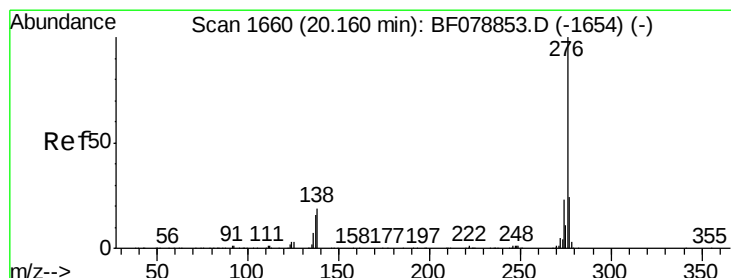
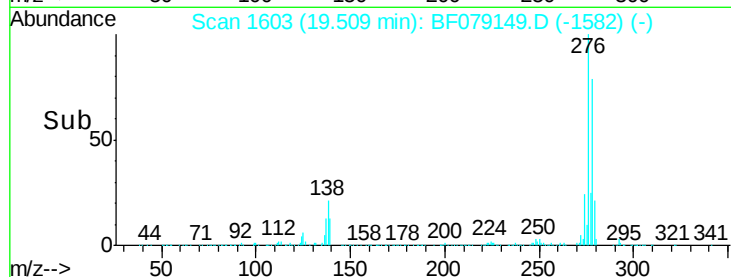
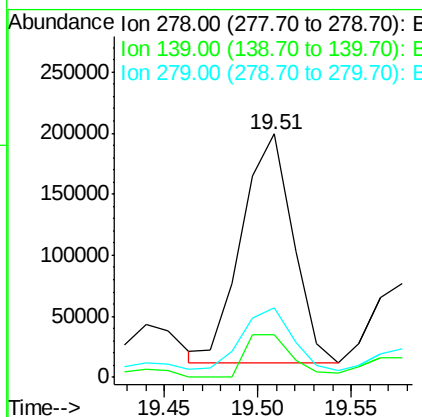
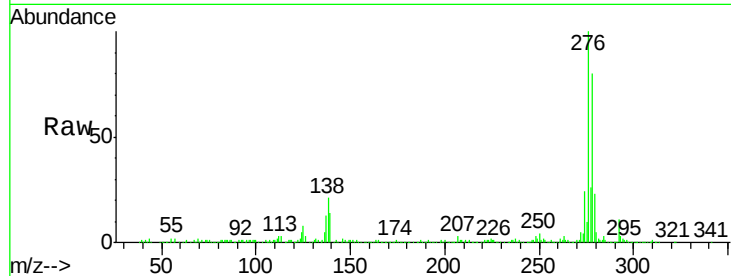
ClientSampleId :

PS-12A(0-3)

Tot Ion:	278	Resp:	359347
Ion Ratio	Lower	Upper	
278	100		
139	17.3	12.8	19.2
279	28.4	19.6	29.4

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 68.61 ng

RT: 19.93 min Scan# 1640

Delta R.T. 0.15 min

Lab File: BF079149.D

Acq: 12 May 2015 9:01

Tgt Ion:	276	Resp:	964259
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.6	28.0
138	26.0	17.4	26.0

