

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
 Data File : BF079292.D
 Acq On : 16 May 2015 4:21
 Operator : TP/IZ
 Sample : G2215-09DL 4X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-38SDL

Manual Integrations
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Quant Time: May 16 05:07:31 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 16 04:02:20 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.18	152	55954	20.00	ng	0.00
21) Naphthalene-d8	8.75	136	227030	20.00	ng	0.00
38) Acenaphthene-d10	10.92	164	104032	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	196825	20.00	ng	0.00
75) Chrysene-d12	16.05	240	199210	20.00	ng	-0.01
86) Perylene-d12	17.73	264	209292	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	77316m	23.79	ng	0.01
7) Phenol-d6	6.74	99	100829	23.47	ng	0.00
23) Nitrobenzene-d5	7.86	82	51401	13.01	ng	-0.01
41) 2,4,6-Tribromophenol	11.91	330	21260	18.89	ng	0.00
44) 2-Fluorobiphenyl	10.10	172	120220	16.10	ng	0.00
78) Terphenyl-d14	14.75	244	125202	15.05	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	10.75	152	22978	2.17	ng	98
70) Phenanthrene	12.79	178	220177	20.00	ng	99
71) Anthracene	12.86	178	54832	5.08	ng	99
74) Fluoranthene	14.27	202	451850	39.38	ng	92
77) Pyrene	14.55	202	407379	35.49	ng	99
80) Benzo(a)anthracene	16.03	228	233465	21.40	ng	97
82) Chrysene	16.08	228	176141	16.79	ng	98
85) Indeno(1,2,3-cd)pyrene	19.12	276	154236	11.54	ng	# 94
87) Benzo(b)fluoranthene	17.30	252	264959m	23.13	ng	
88) Benzo(k)fluoranthene	17.31	252	113513m	10.24	ng	
89) Benzo(a)pyrene	17.67	252	209317	19.84	ng	98
90) Dibenzo(a,h)anthracene	19.13	278	31827	2.84	ng	# 89
91) Benzo(a,h,i)perylene	19.52	276	152833	13.60	ng	# 95

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

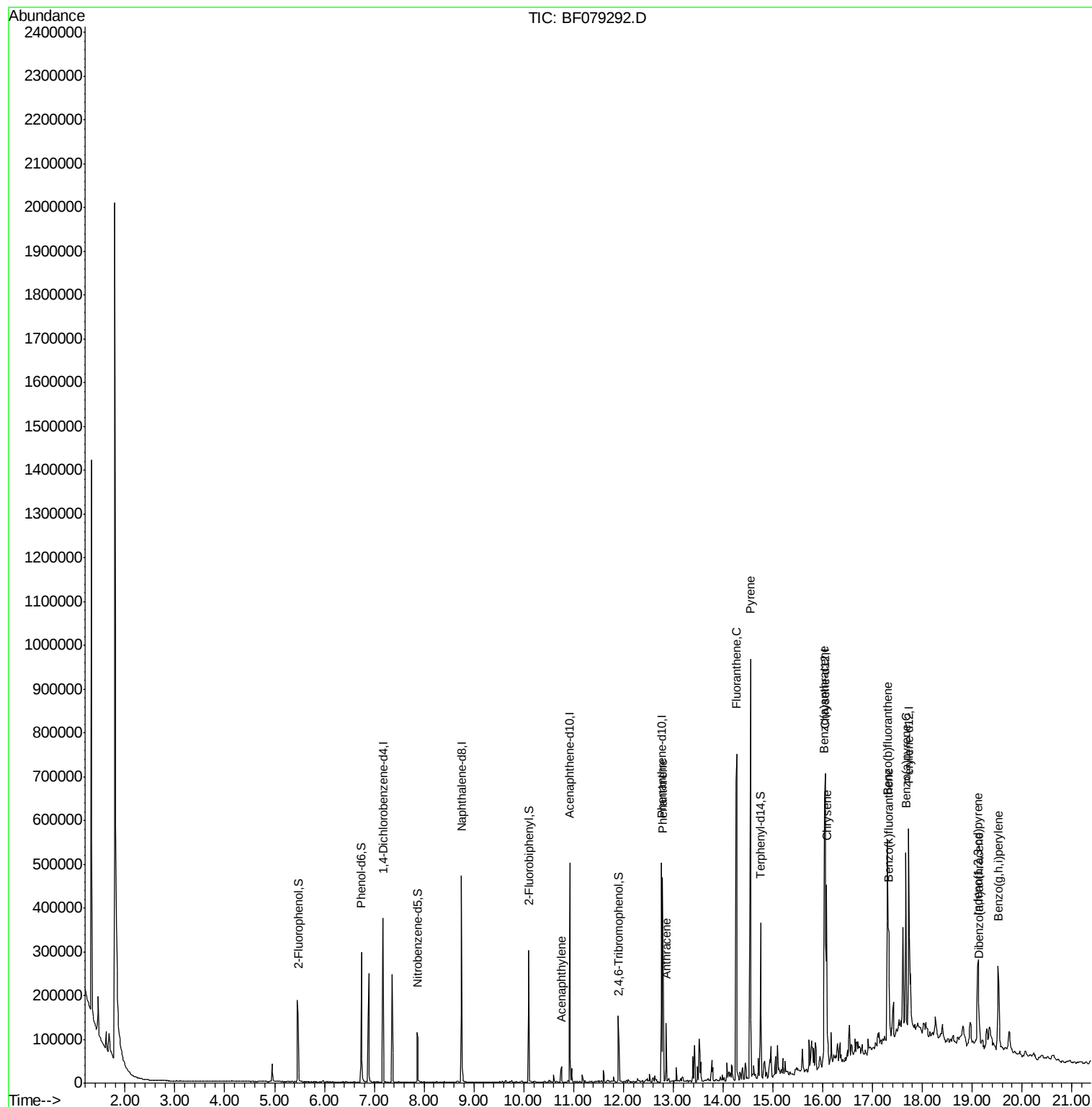
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\
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ALS Vial : 25 Sample Multiplier: 1

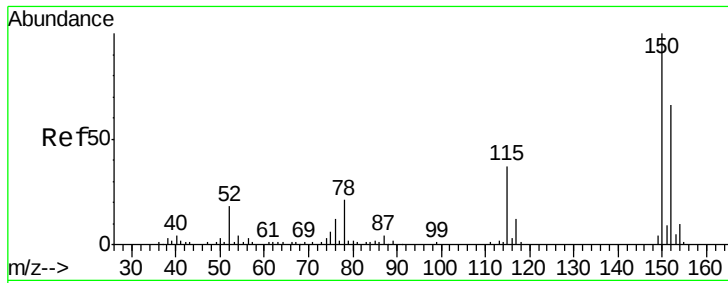
Instrument :
BNA_F
ClientSampleID :
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Quant Time: May 16 05:07:31 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
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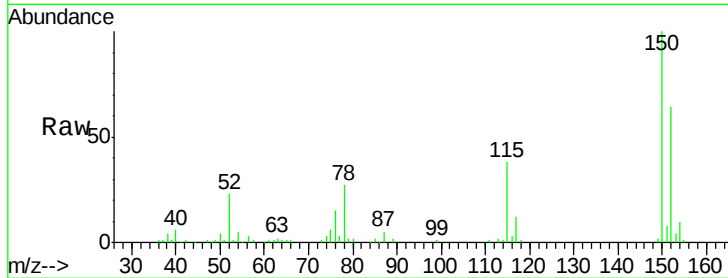
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.18 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: BF079292.D
 Acq: 16 May 2015 4:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-38SDL

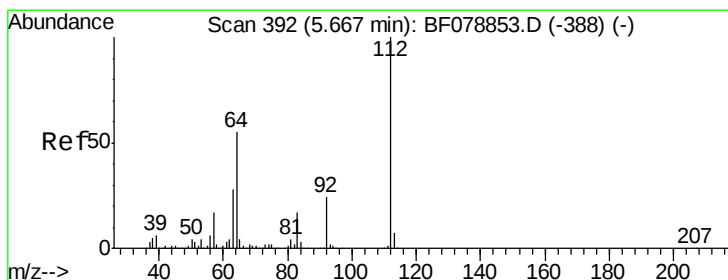
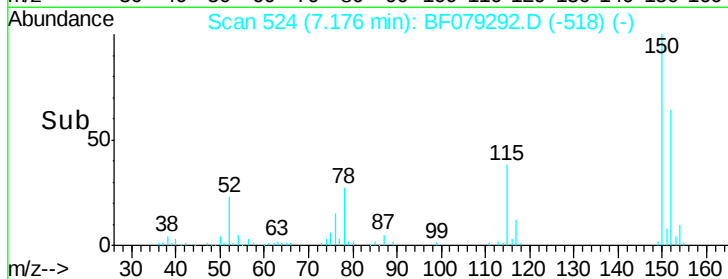
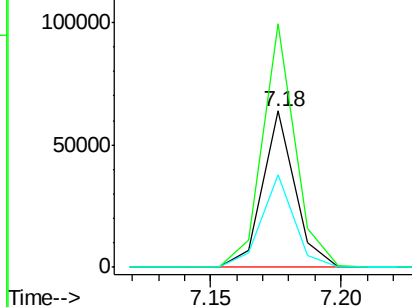
Tot Ion:	152	Resp:	55954
Ion Ratio	Lower	Upper	
152	100		
150	155.6	123.8	185.8
115	58.8	49.4	74.0

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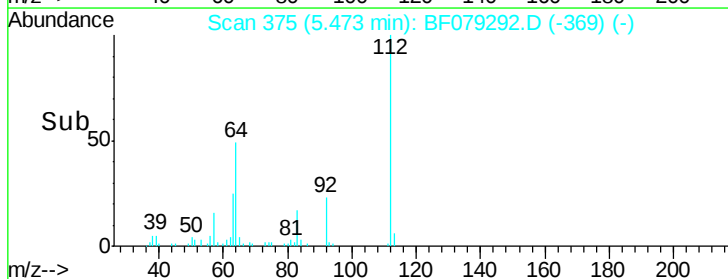
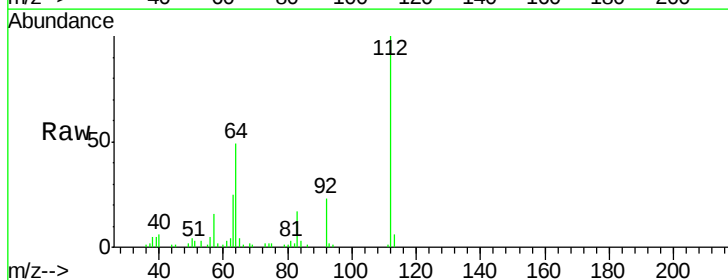
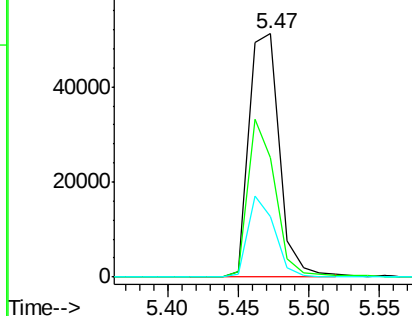
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 23.79 ng m
 RT: 5.47 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: BF079292.D
 Acq: 16 May 2015 4:21

Tgt Ion:	112	Resp:	77316
Ion Ratio	Lower	Upper	
112	100		
64	49.0	44.2	66.2
63	24.8	22.7	34.1

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: 23.47 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BF079292.D

Acq: 16 May 2015 4:21

Instrument :

BNA_F

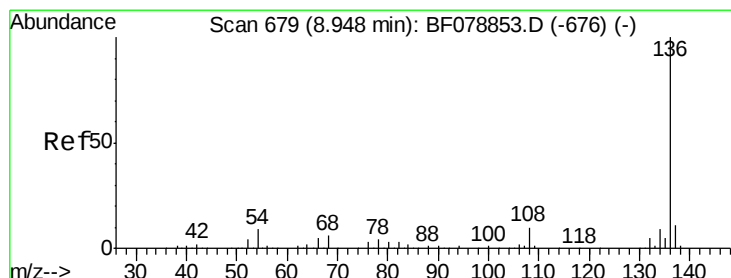
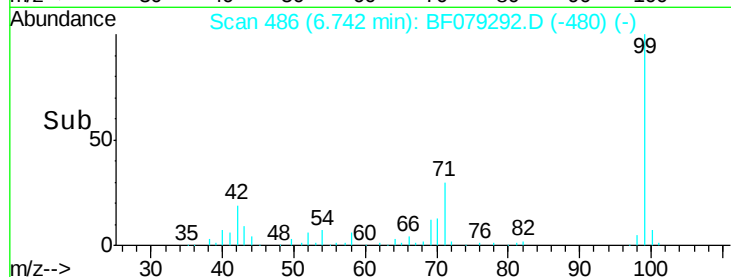
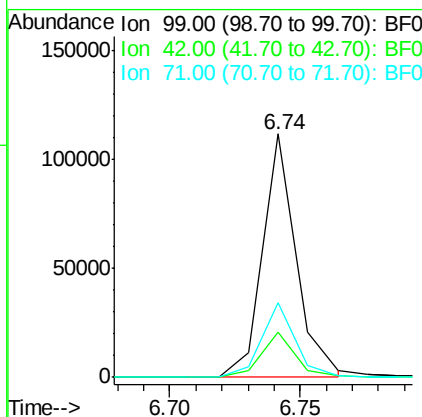
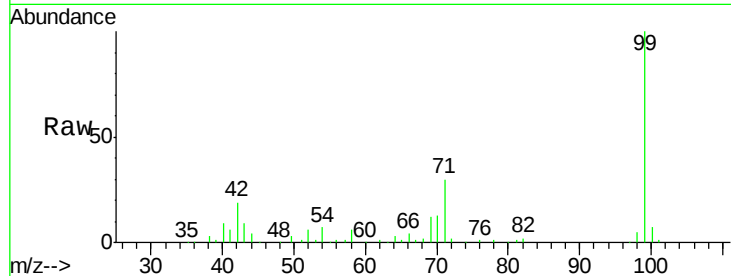
ClientSampleId :

SB-38SDL

Tot Ion:	99	Resp:	100829
Ion Ratio	Lower	Upper	
99	100		
42	18.6	17.1	25.7
71	30.5	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

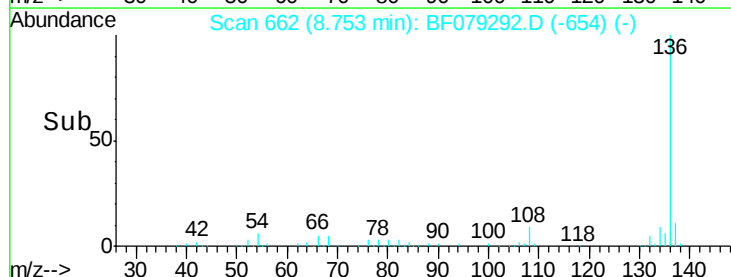
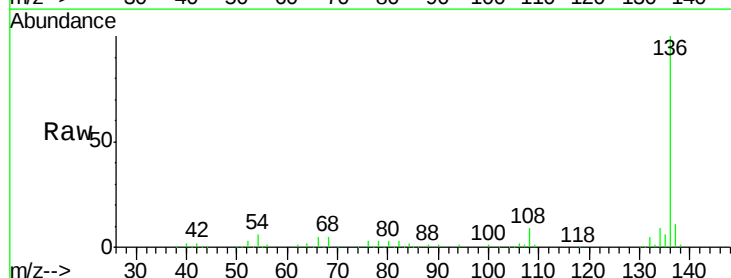
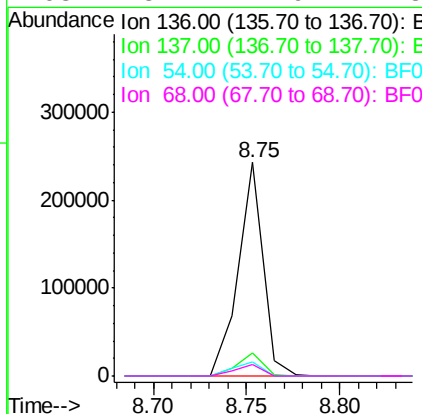
RT: 8.75 min Scan# 662

Delta R.T. 0.00 min

Lab File: BF079292.D

Acq: 16 May 2015 4:21

Tgt Ion:	136	Resp:	227030
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.8	13.2
54	6.4	6.9	10.3
68	5.2	4.9	7.3





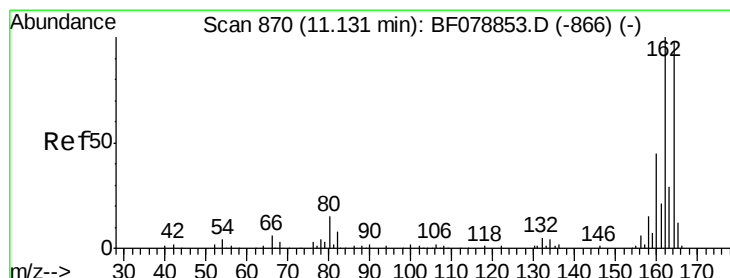
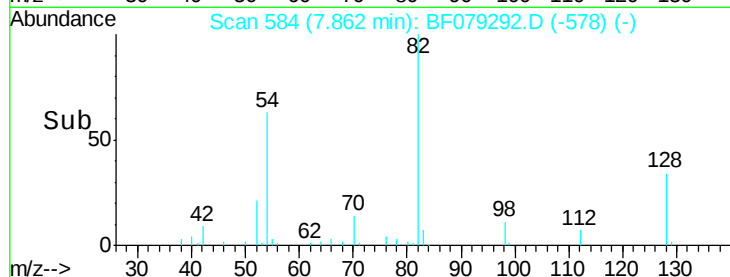
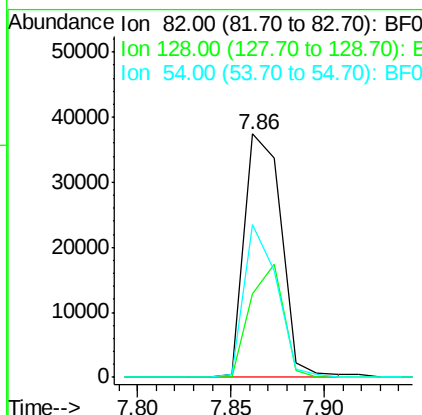
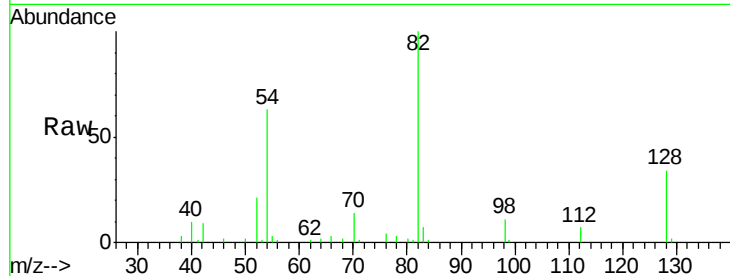
#23
 Nitrobenzene-d5
 Concen: 13.01 ng
 RT: 7.86 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: BF079292.D
 Acq: 16 May 2015 4:21

Instrument :
 BNA_F
 ClientSampleID :
 SB-38SDL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	51401		
128	34.3	29.7	44.5	
54	62.8	46.2	69.4	

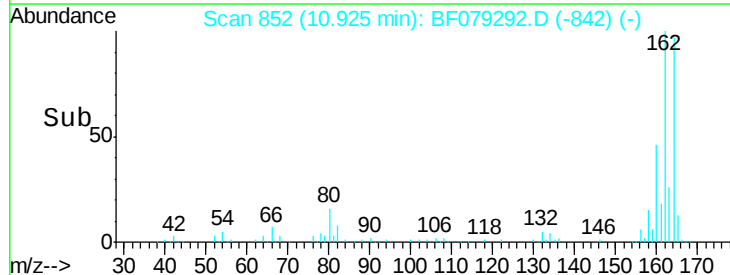
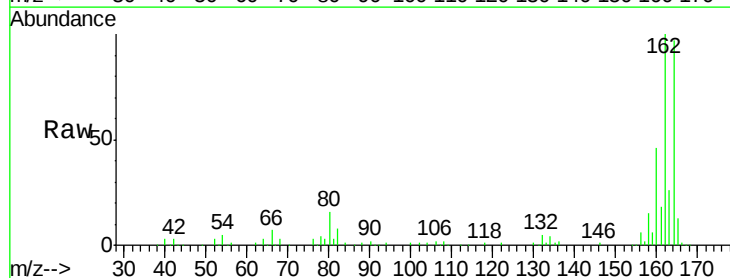
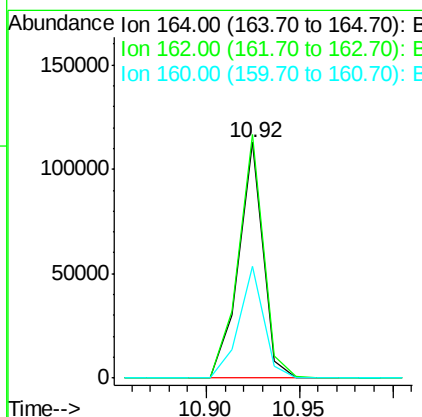
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.92 min Scan# 852
 Delta R.T. 0.00 min
 Lab File: BF079292.D
 Acq: 16 May 2015 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	104032		
162	103.4	81.4	122.0	
160	47.6	36.6	54.8	





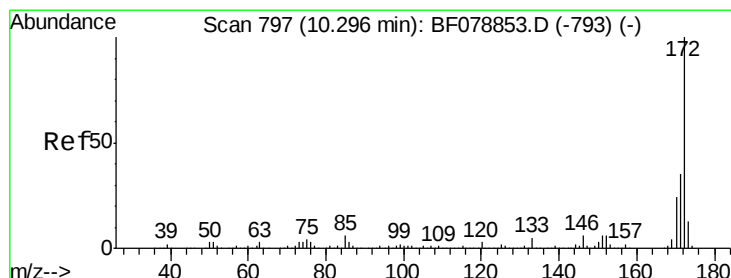
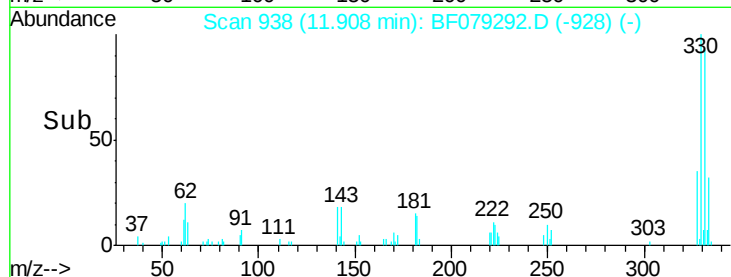
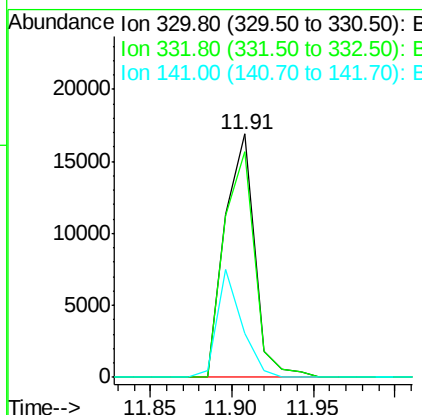
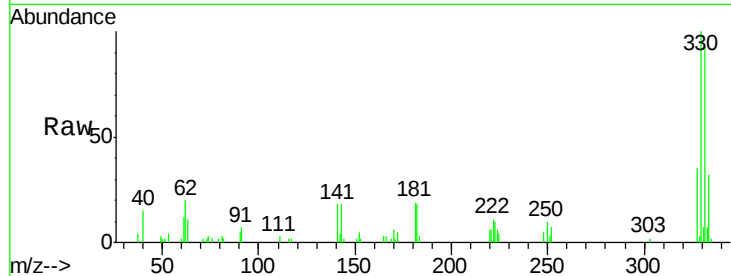
#41
 2,4,6-Tribromophenol
 Concen: 18.89 ng
 RT: 11.91 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: BF079292.D
 Acq: 16 May 2015 4:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-38SDL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	21260		
332	95.4	76.9	115.3	
141	37.2	27.8	41.8	

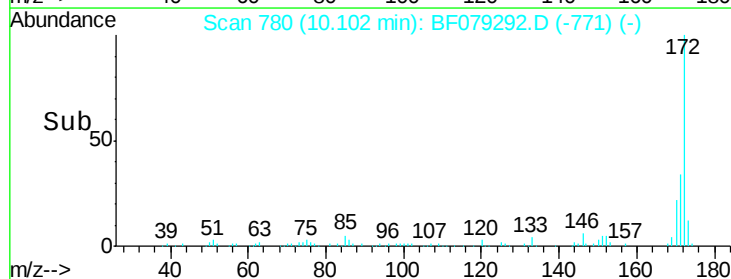
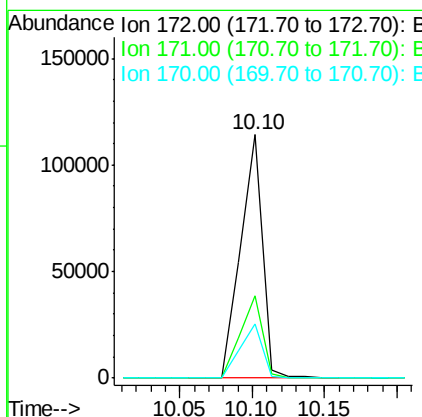
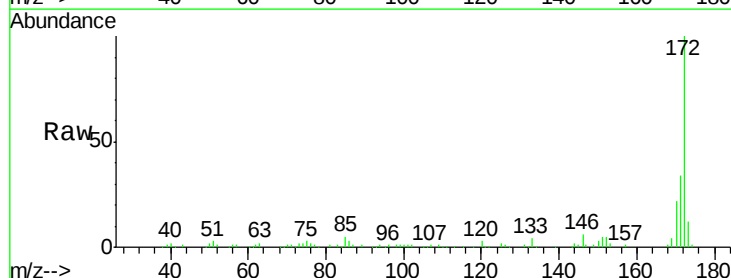
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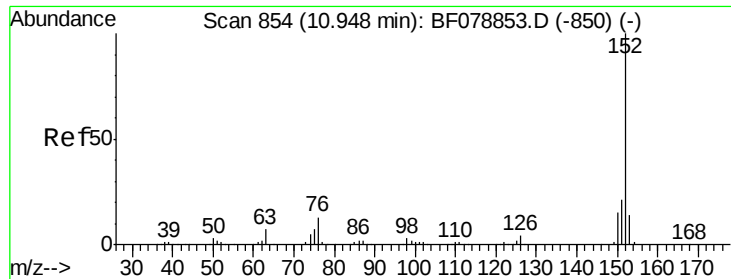
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#44
 2-Fluorobiphenyl
 Concen: 16.10 ng
 RT: 10.10 min Scan# 780
 Delta R.T. 0.00 min
 Lab File: BF079292.D
 Acq: 16 May 2015 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	120220		
171	33.8	28.3	42.5	
170	22.2	19.4	29.2	





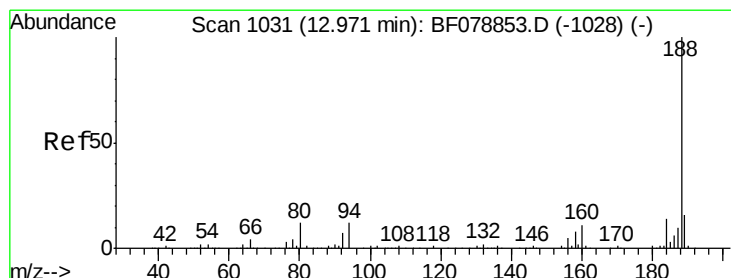
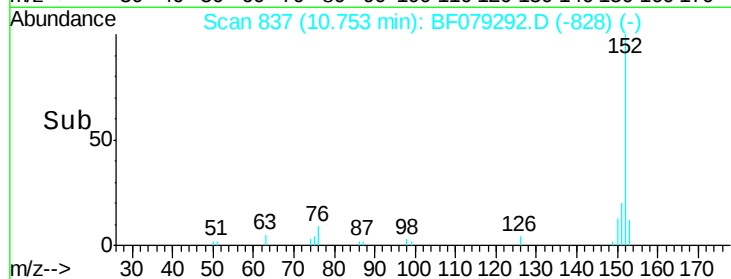
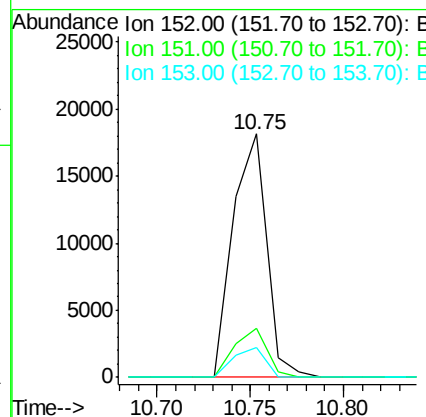
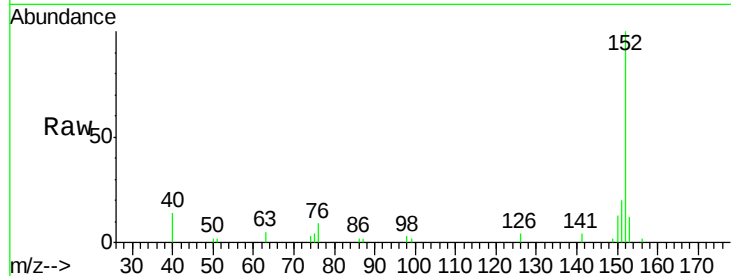
#48
Acenaphthylene
Concen: 2.17 ng
RT: 10.75 min Scan# 837
Delta R.T. 0.00 min
Lab File: BF079292.D
Acq: 16 May 2015 4:21

Instrument :
BNA_F
ClientSampleId :
SB-38SDL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	22978		
151	20.3		16.6	24.8
153	12.2		11.0	16.6

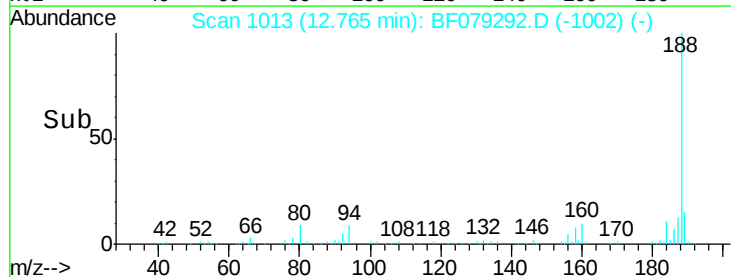
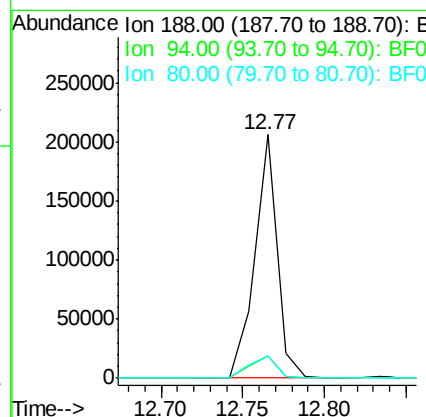
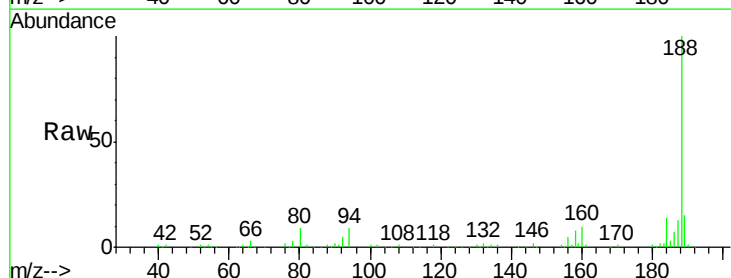
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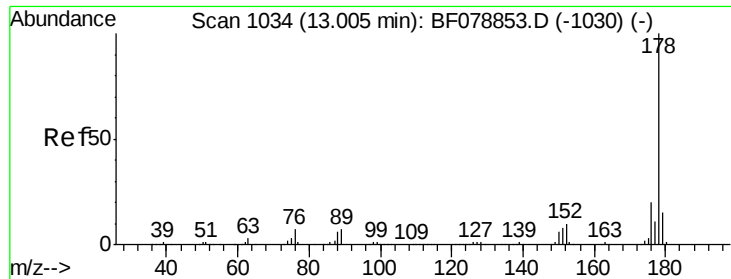
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.77 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BF079292.D
Acq: 16 May 2015 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	196825		
94	9.0		9.4	14.0#
80	9.1		9.8	14.6#





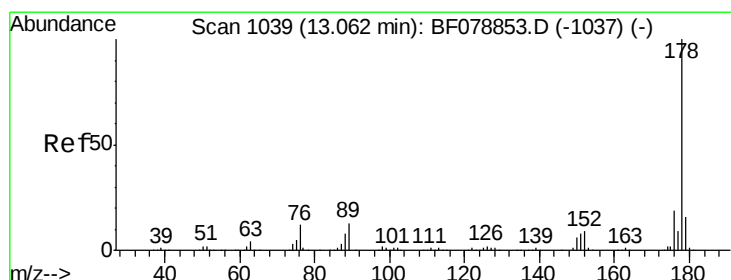
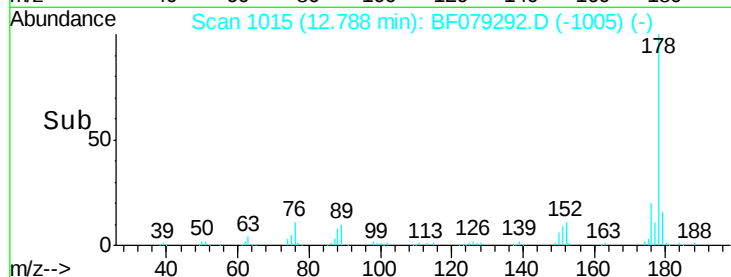
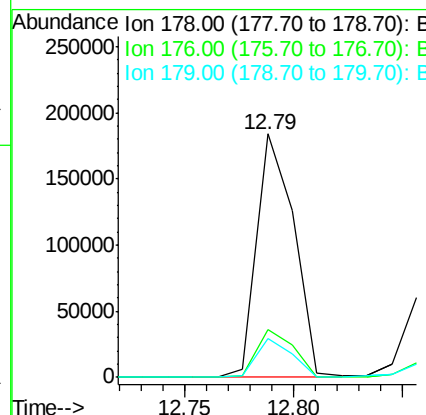
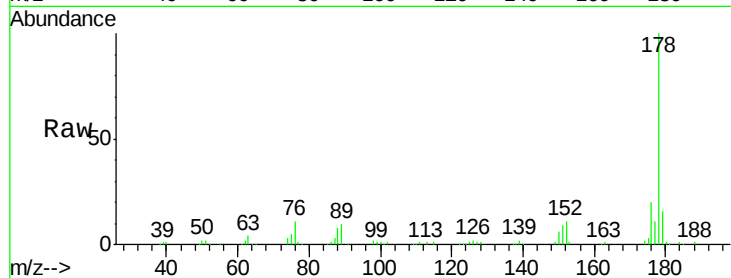
#70
Phenanthrene
Concen: 20.00 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF079292.D
Acq: 16 May 2015 4:21

Instrument :
BNA_F
ClientSampleId :
SB-38SDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.8	12.2	18.4

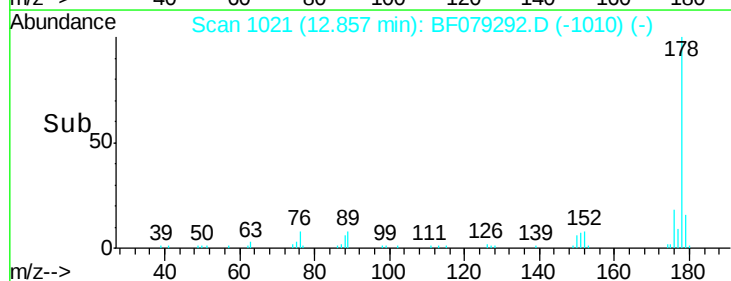
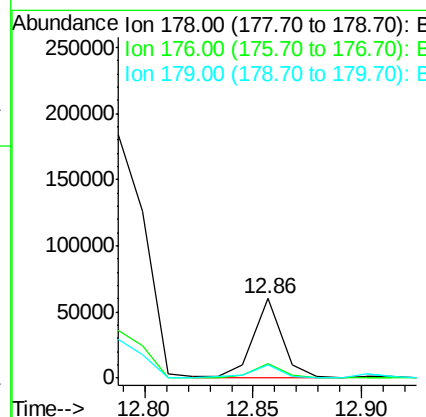
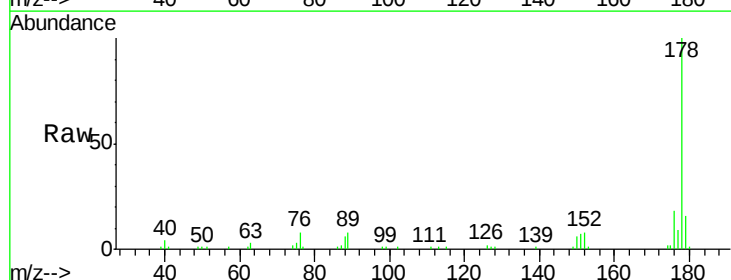
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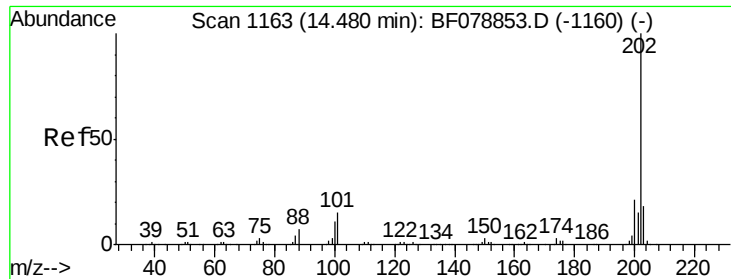
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#71
Anthracene
Concen: 5.08 ng
RT: 12.86 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF079292.D
Acq: 16 May 2015 4:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	15.9	12.6	19.0





#74

Fluoranthene

Concen: 39.38 ng

RT: 14.27 min Scan# 1145

Delta R.T. 0.00 min

Lab File: BF079292.D

Acq: 16 May 2015 4:21

Instrument :

BNA_F

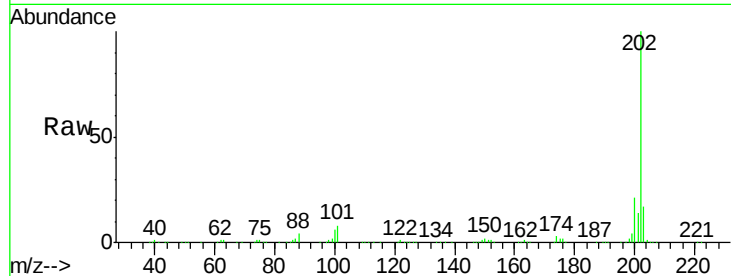
ClientSampleId :

SB-38SDL

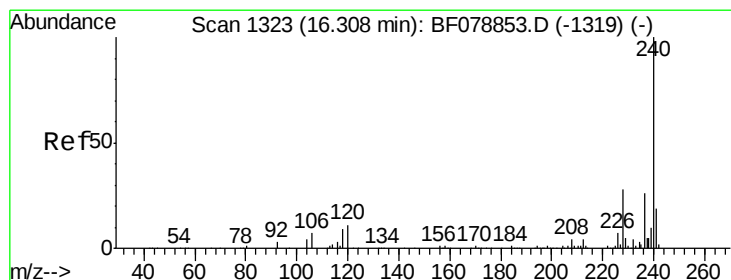
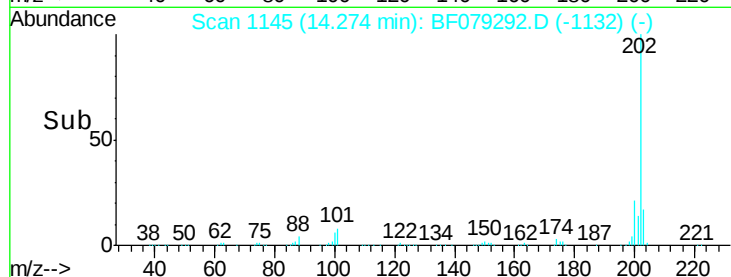
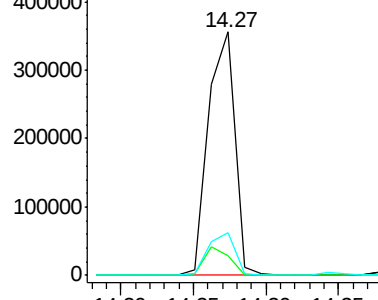
Tot Ion:	202	Resp:	451850
Ion Ratio		Lower	Upper
202	100		
101	8.0	0.0	34.7
203	17.3	0.0	37.9

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

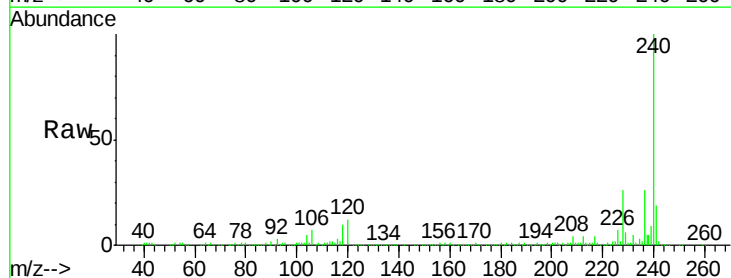
RT: 16.05 min Scan# 1300

Delta R.T. -0.01 min

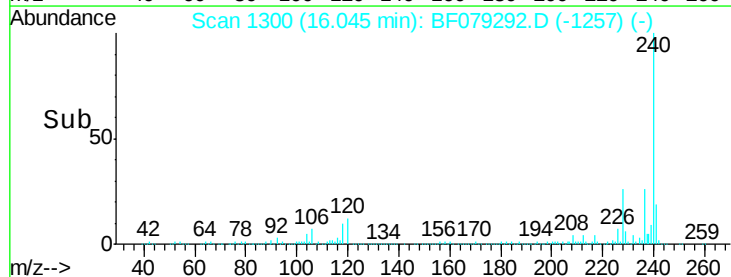
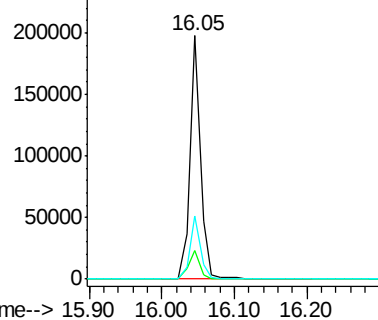
Lab File: BF079292.D

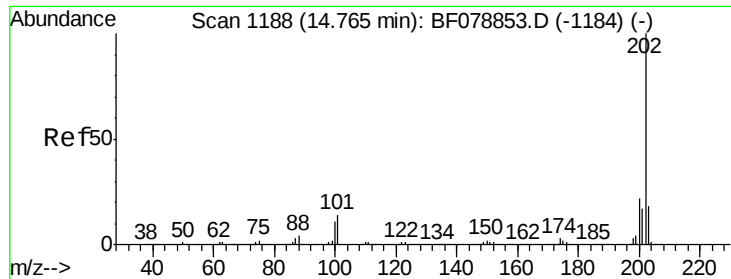
Acq: 16 May 2015 4:21

Tgt Ion:	240	Resp:	199210
Ion Ratio		Lower	Upper
240	100		
120	11.8	8.6	12.8
236	26.0	21.0	31.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 35.49 ng

RT: 14.55 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF079292.D

Acq: 16 May 2015 4:21

Instrument :

BNA_F

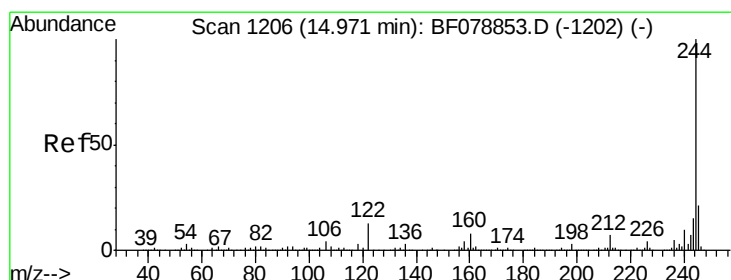
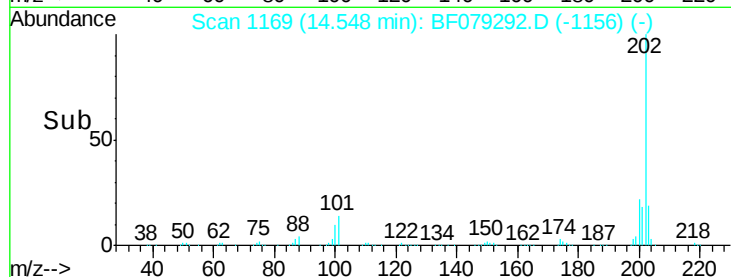
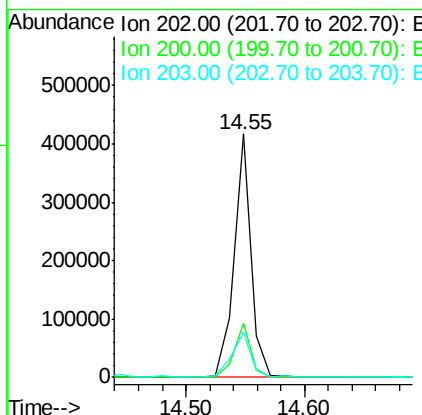
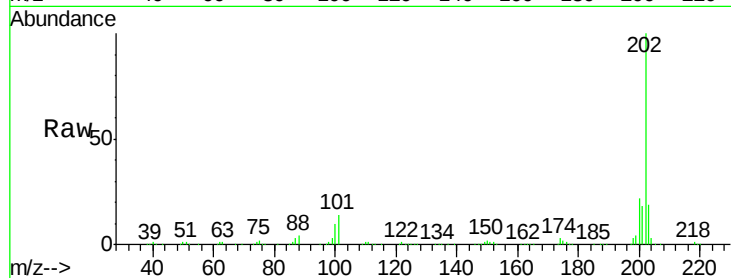
ClientSampleId :

SB-38SDL

Tot Ion:	202	Resp:	407379
Ion Ratio	Lower	Upper	
202	100		
200	22.1	17.5	26.3
203	18.7	14.7	22.1

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#78

Terphenyl-d14

Concen: 15.05 ng

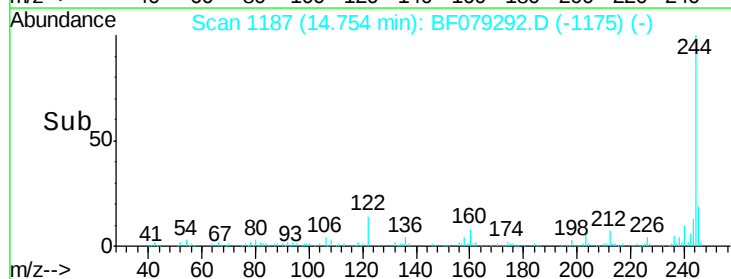
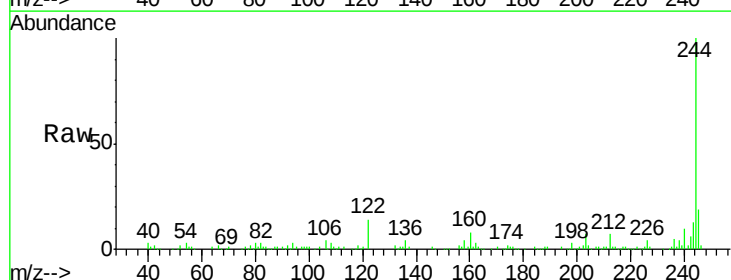
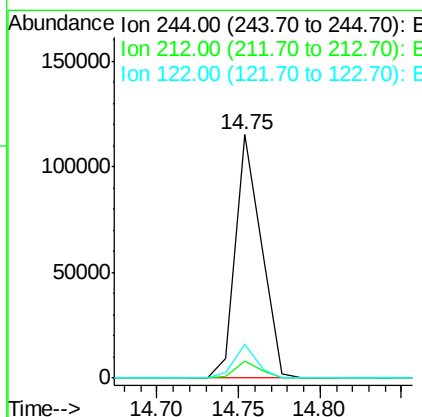
RT: 14.75 min Scan# 1187

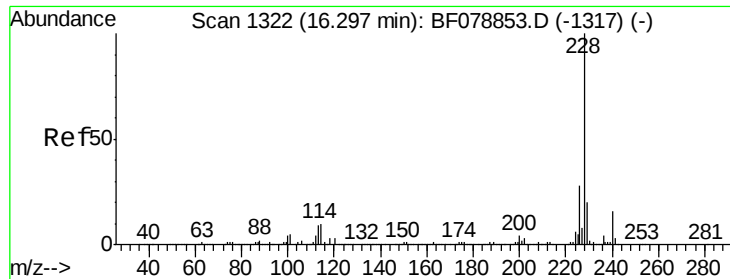
Delta R.T. -0.01 min

Lab File: BF079292.D

Acq: 16 May 2015 4:21

Tgt Ion:	244	Resp:	125202
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.6	8.4
122	13.6	10.5	15.7





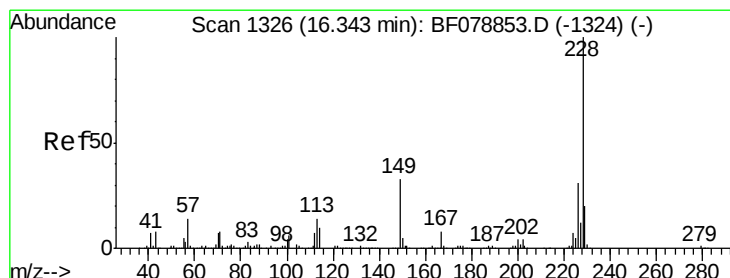
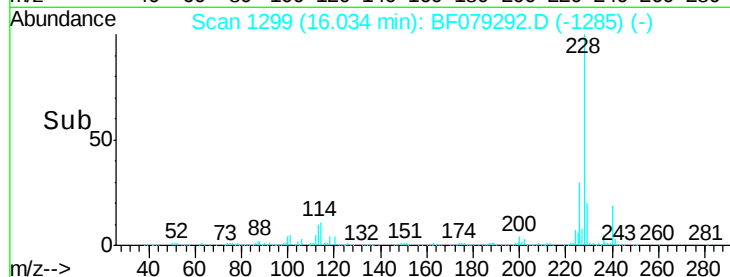
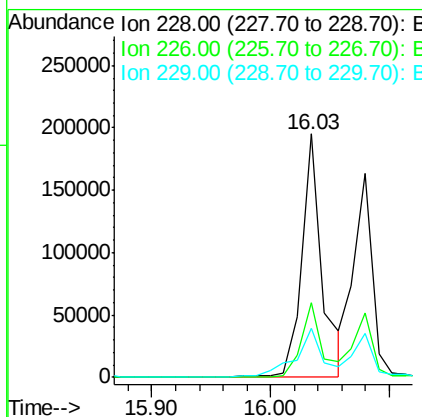
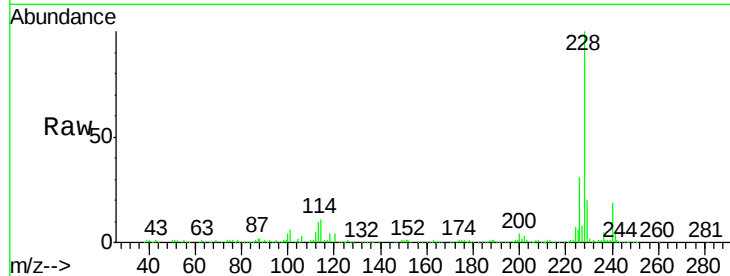
#80
Benzo(a)anthracene
Concen: 21.40 ng
RT: 16.03 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF079292.D
Acq: 16 May 2015 4:21

Instrument :
BNA_F
ClientSampled :
SB-38SDL

Tot Ion	Ratio	Resp	Lower	Upper
228	100	233465		
226	30.7	22.3	33.5	
229	20.3	16.1	24.1	

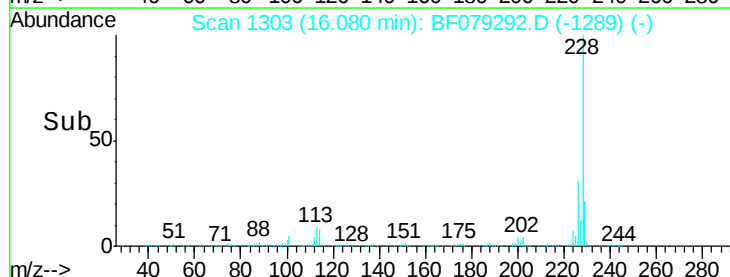
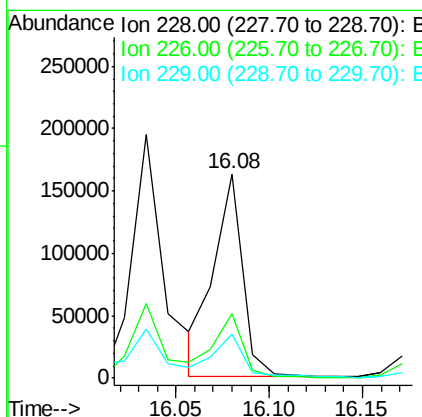
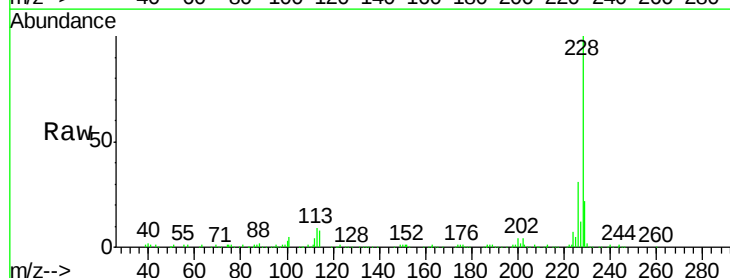
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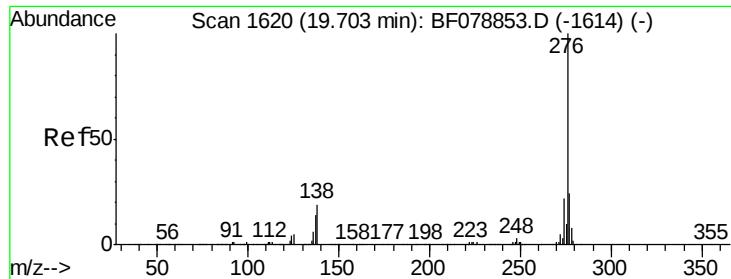
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#82
Chrysene
Concen: 16.79 ng
RT: 16.08 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BF079292.D
Acq: 16 May 2015 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	176141		
226	31.3	24.8	37.2	
229	21.7	16.1	24.1	





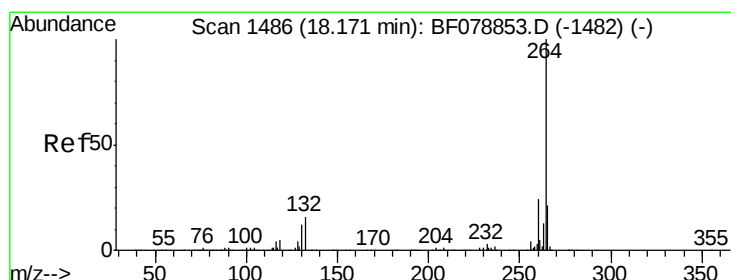
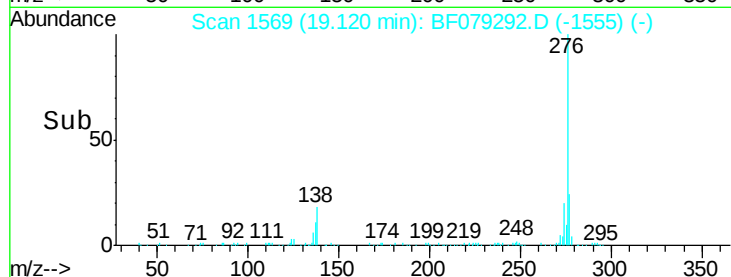
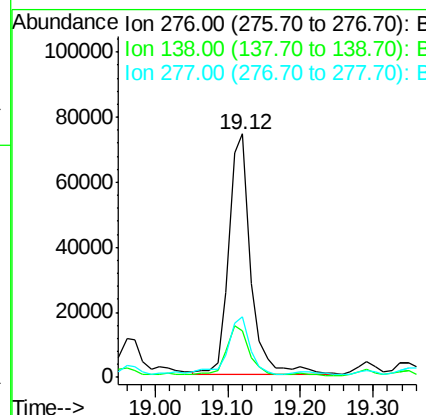
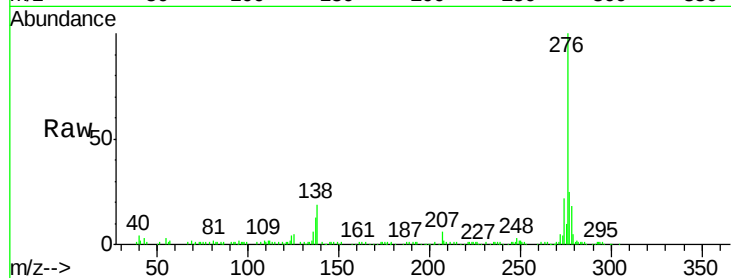
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.54 ng
 RT: 19.12 min Scan# 1569
 Delta R.T. -0.05 min
 Lab File: BF079292.D
 Acq: 16 May 2015 4:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-38SDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.6	21.1	31.7#
277	24.8	19.9	29.9

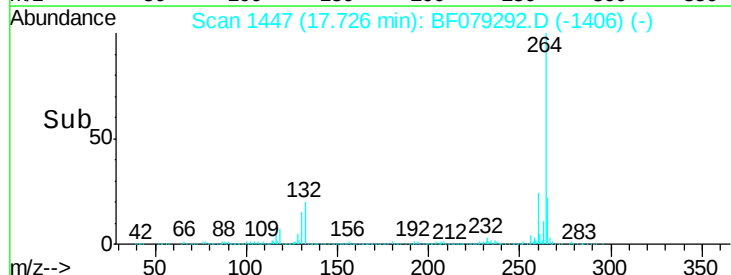
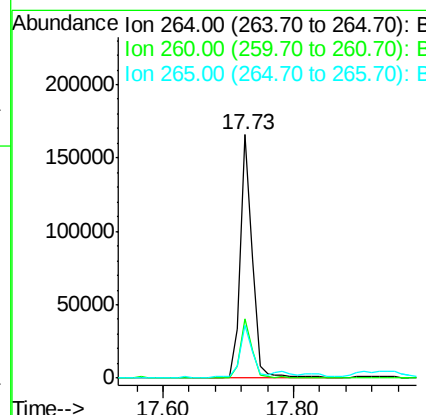
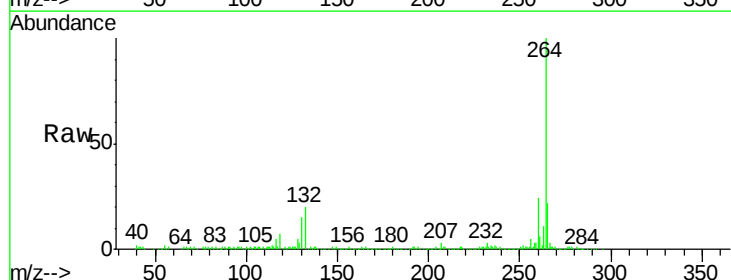
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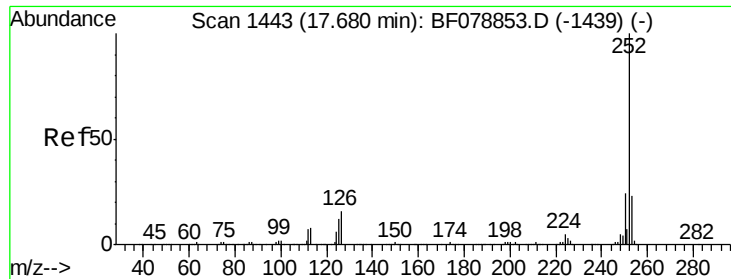
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.73 min Scan# 1447
 Delta R.T. -0.03 min
 Lab File: BF079292.D
 Acq: 16 May 2015 4:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 23.13 ng m

RT: 17.30 min Scan# 1410

Delta R.T. -0.02 min

Lab File: BF079292.D

Acq: 16 May 2015 4:21

Instrument :

BNA_F

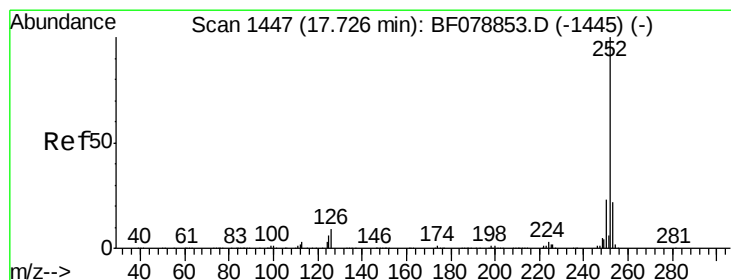
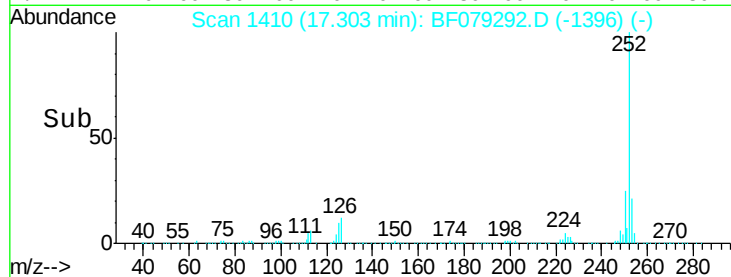
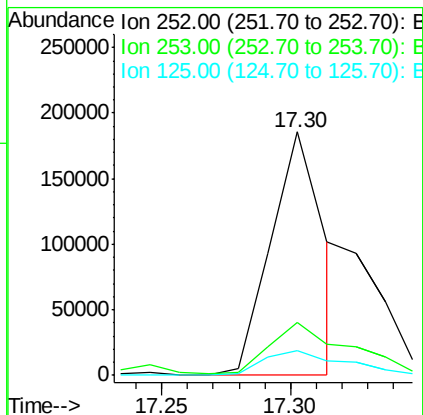
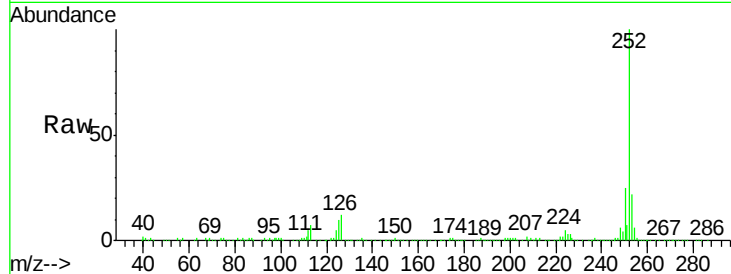
ClientSampleId :

SB-38SDL

Tot Ion	Ratio	Resp	Lower	Upper
252	100	264959		
253	22.0	18.1	27.1	
125	10.3	9.4	14.2	

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#88

Benzo(k)fluoranthene

Concen: 10.24 ng m

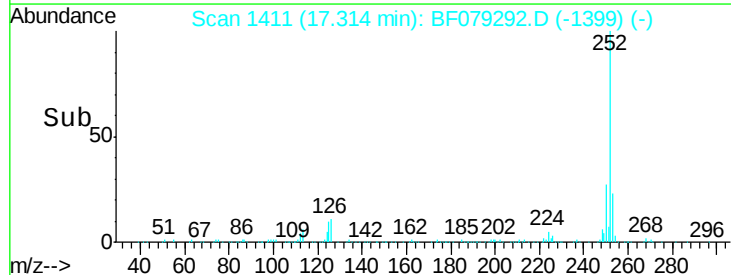
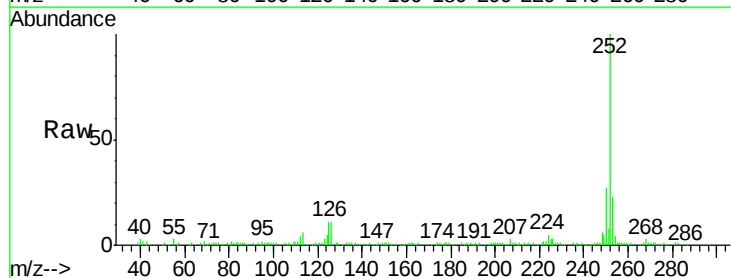
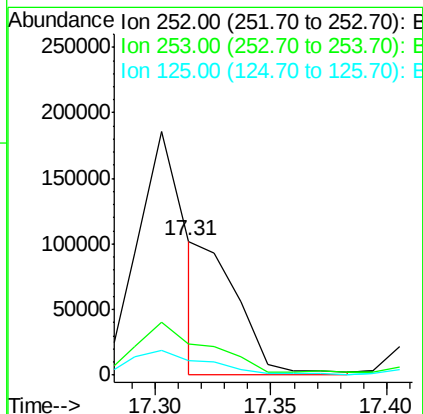
RT: 17.31 min Scan# 1411

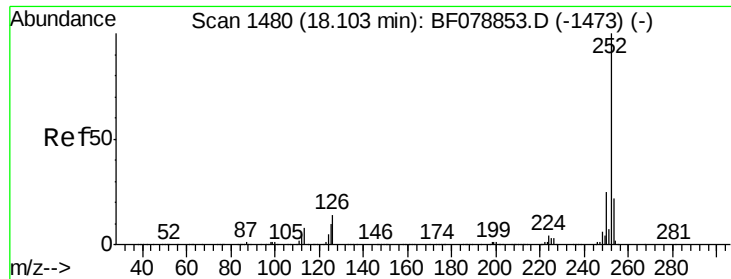
Delta R.T. -0.05 min

Lab File: BF079292.D

Acq: 16 May 2015 4:21

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	113513		
253	23.4	17.4	26.0	
125	10.6	6.1	9.1#	





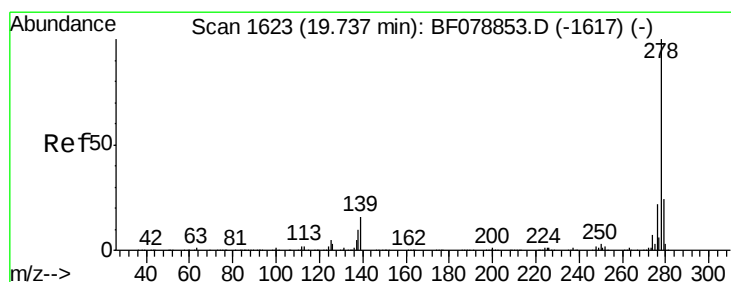
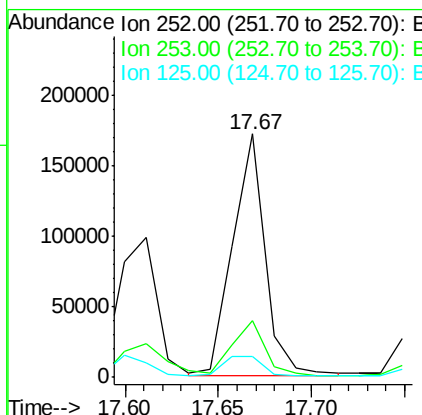
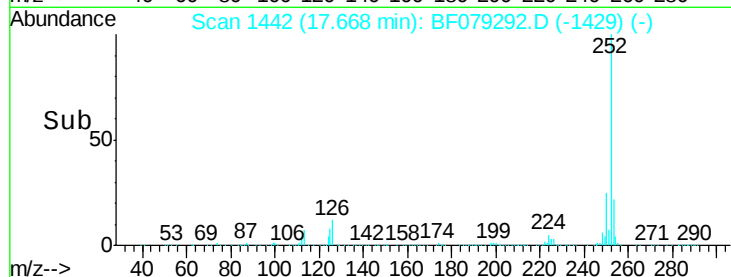
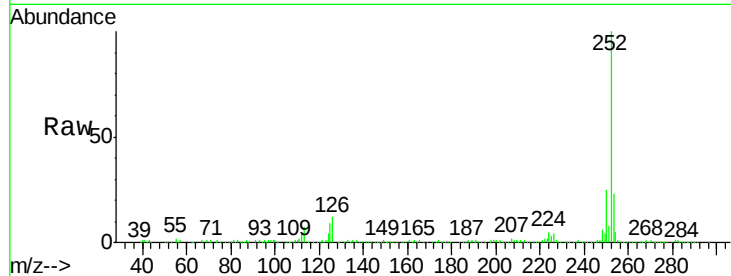
#89
Benzo(a)pyrene
Concen: 19.84 ng
RT: 17.67 min Scan# 1442
Delta R.T. -0.03 min
Lab File: BF079292.D
Acq: 16 May 2015 4:21

Instrument :
BNA_F
ClientSampleId :
SB-38SDL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	18.0	27.0
125	8.7	8.2	12.2

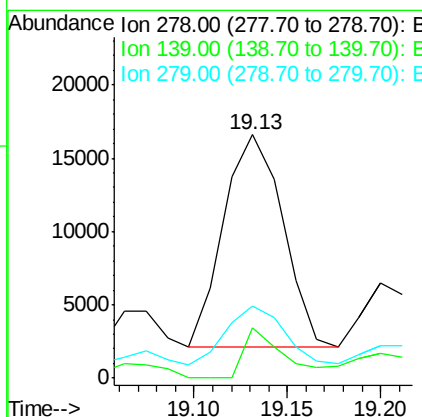
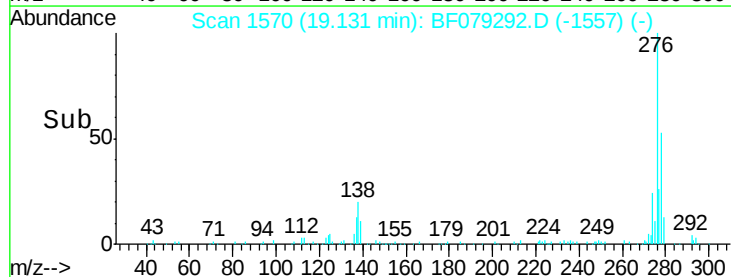
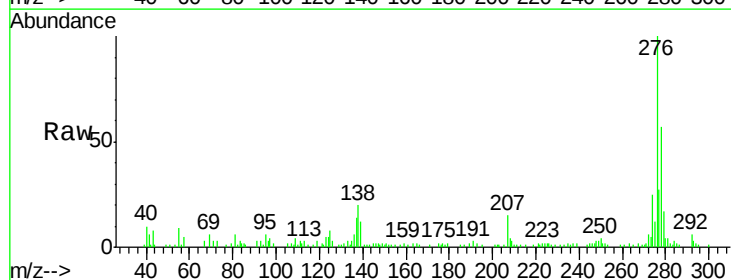
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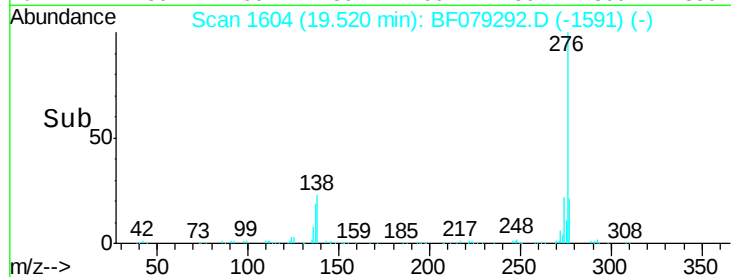
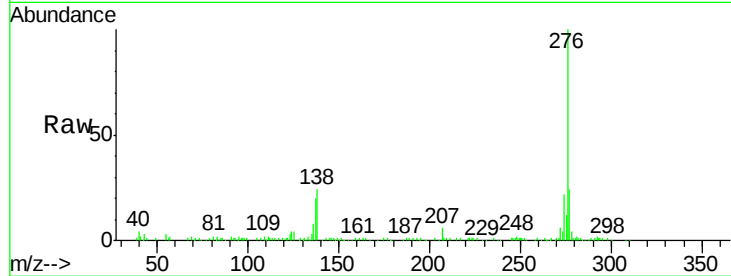
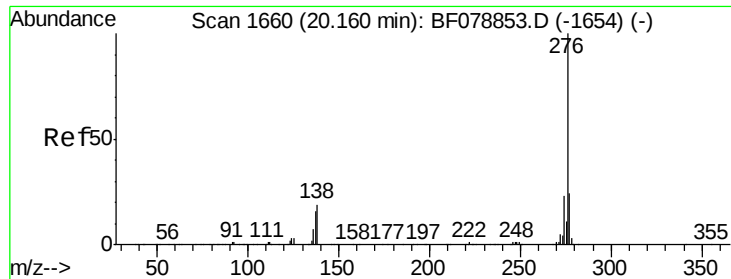
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#90
Dibenzo(a,h)anthracene
Concen: 2.84 ng
RT: 19.13 min Scan# 1570
Delta R.T. -0.06 min
Lab File: BF079292.D
Acq: 16 May 2015 4:21

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	20.5	13.1	19.7#
279	29.6	19.1	28.7#





#91
 Benzo(a,h,i)perylene
 Concen: 13.60 ng
 RT: 19.52 min Scan# 1604
 Delta R.T. -0.06 min
 Lab File: BF079292.D
 Acq: 16 May 2015 4:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-38SDL

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.8	18.8	28.2
138	24.2	15.2	22.8

Manual Integrations
 APPROVED

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