

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052815\
 Data File : BF079542.D
 Acq On : 28 May 2015 14:09
 Operator : TP/IZ
 Sample : G2359-02DL 10X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-28SDL

Manual Integrations
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Quant Time: May 28 15:06:55 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 01:32:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	71600m	20.00	ng	-0.06
21) Naphthalene-d8	8.54	136	291402	20.00	ng	-0.06
38) Acenaphthene-d10	10.71	164	158014	20.00	ng	-0.06
63) Phenanthrene-d10	12.54	188	308402	20.00	ng	-0.06
75) Chrysene-d12	15.82	240	301546	20.00	ng	-0.06
86) Perylene-d12	17.54	264	312611	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	41915m	10.15	ng	-0.06
7) Phenol-d6	6.56	99	54952m	10.44	ng	-0.06
23) Nitrobenzene-d5	7.66	82	31999	6.35	ng	-0.06
41) 2,4,6-Tribromophenol	11.69	330	17080	9.84	ng	-0.06
44) 2-Fluorobiphenyl	9.88	172	74829	6.76	ng	-0.06
78) Terphenyl-d14	14.53	244	83800	6.52	ng	-0.07
Target Compounds						Qvalue
51) Acenaphthene	10.74	154	32442	3.51	ng	97
54) Dibenzofuran	10.96	168	33960	2.49	ng	97
57) Fluorene	11.38	166	38928	3.46	ng	99
70) Phenanthrene	12.57	178	467765	27.65	ng	100
71) Anthracene	12.63	178	121070	7.05	ng	99
72) Carbazole	12.85	167	40761	2.46	ng	98
74) Fluoranthene	14.03	202	513280	28.29	ng	96
77) Pyrene	14.31	202	430268	23.03	ng	# 94
80) Benzo(a)anthracene	15.81	228	227750	13.13	ng	99
82) Chrysene	15.84	228	194644m	11.80	ng	
85) Indeno(1,2,3-cd)pyrene	18.85	276	121585	5.73	ng	95
87) Benzo(b)fluoranthene	17.10	252	249111m	13.97	ng	
88) Benzo(k)fluoranthene	17.13	252	78389m	4.92	ng	
89) Benzo(a)pyrene	17.49	252	180965	10.08	ng	97
91) Benzo(a,h,i)perylene	19.22	276	115827	4.56	ng	95

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

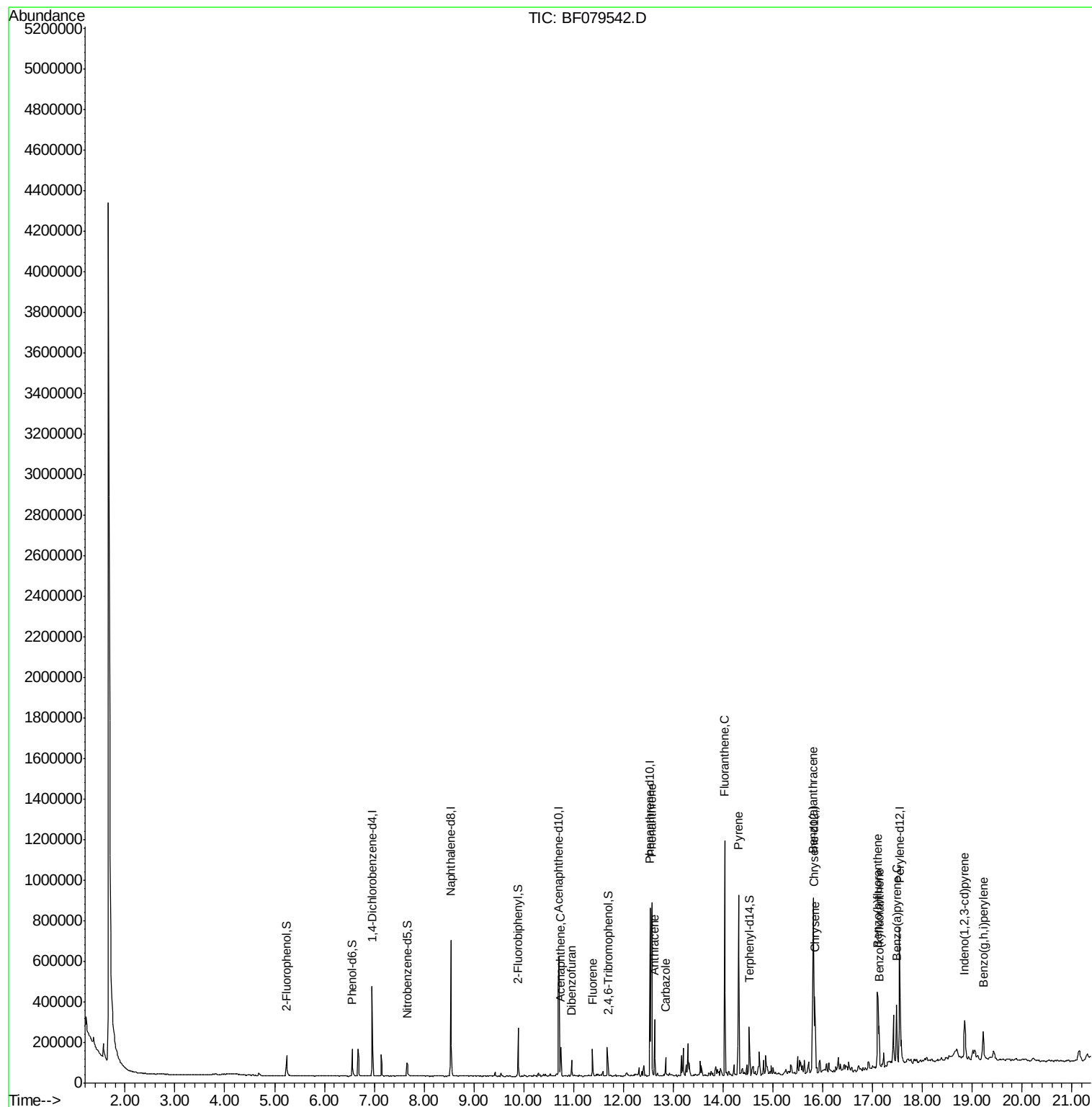
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052815\
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ALS Vial : 3 Sample Multiplier: 1

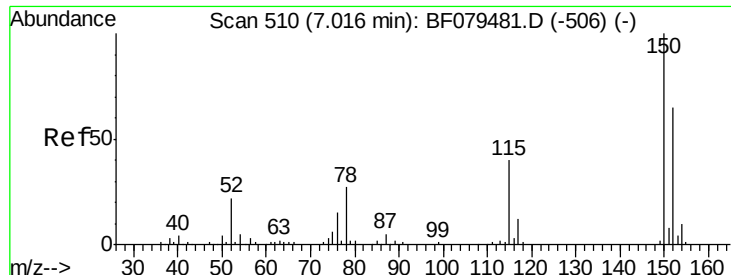
Instrument :
BNA_F
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#1

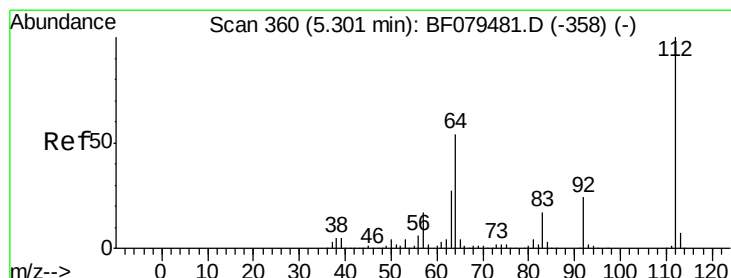
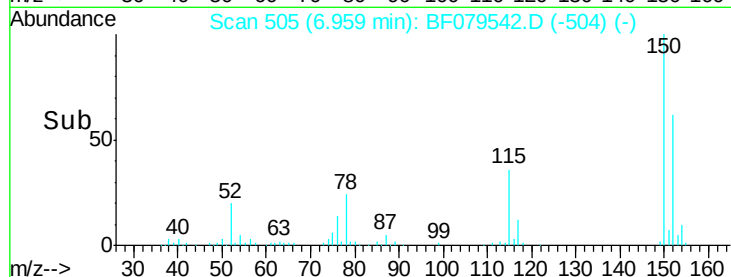
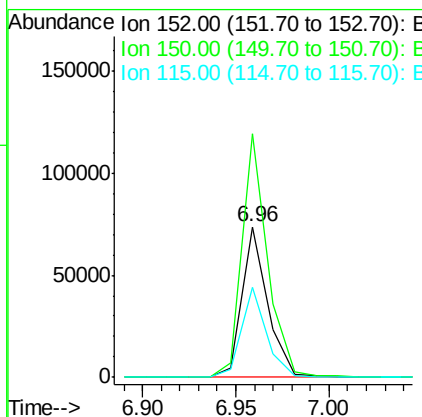
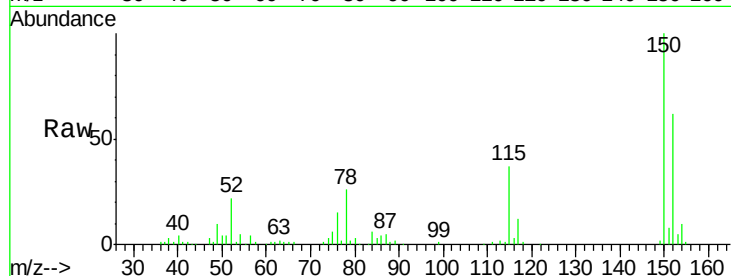
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 6.96 min Scan# 505
Delta R.T. -0.06 min
Lab File: BF079542.D
Acq: 28 May 2015 14:09

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	161.7	124.0	186.0
115	59.9	49.6	74.4

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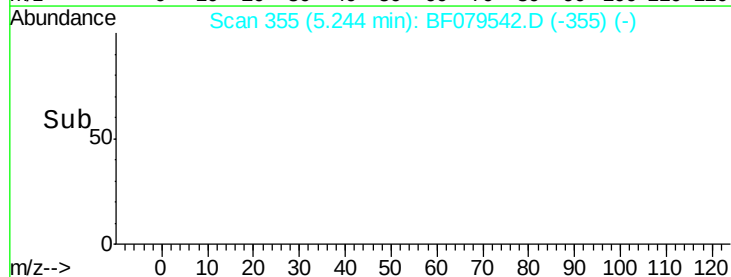
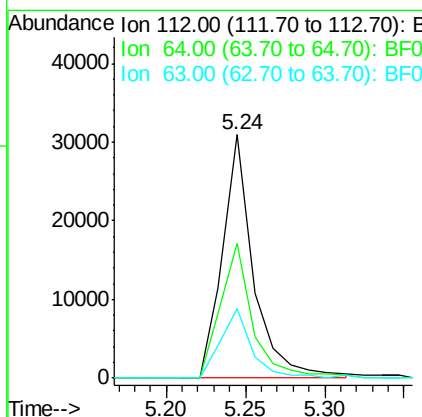
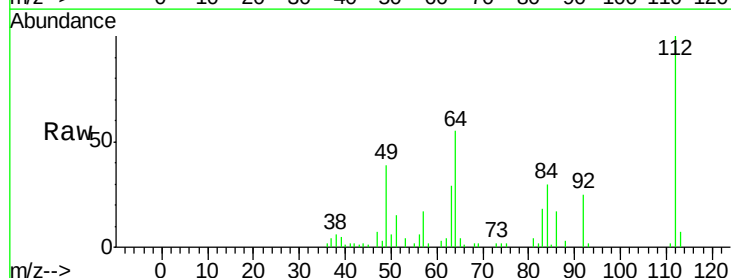
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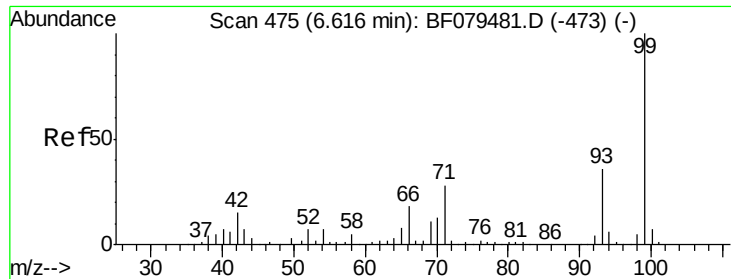


#5

2-Fluorophenol
Concen: 10.15 ng m
RT: 5.24 min Scan# 355
Delta R.T. -0.06 min
Lab File: BF079542.D
Acq: 28 May 2015 14:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	43.5	65.3
63	28.5	21.8	32.8





#7

Phenol-d6

Concen: 10.44 ng/mL

RT: 6.56 min Scan# 470

Delta R.T. -0.06 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Instrument :

BNA_F

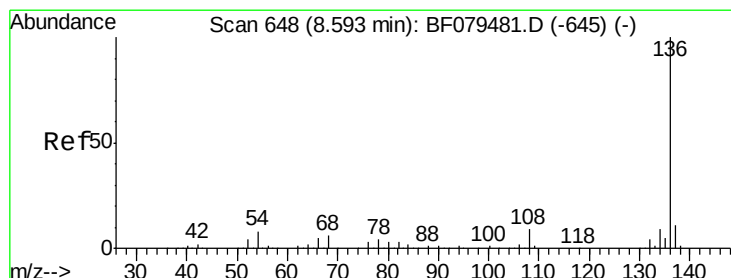
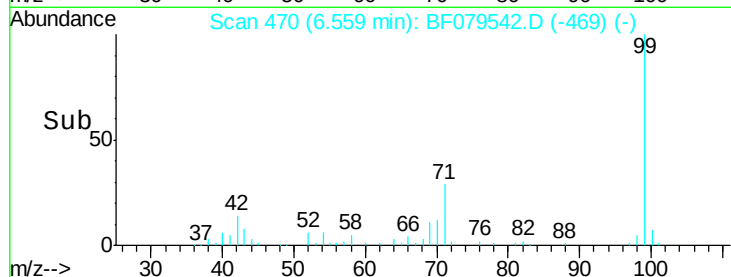
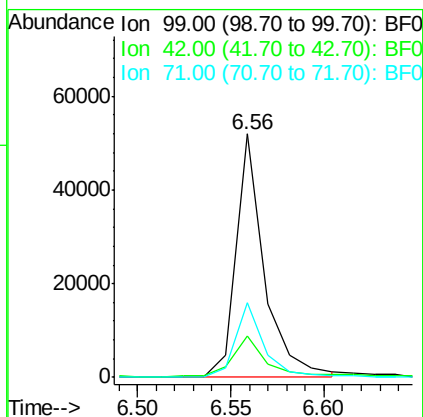
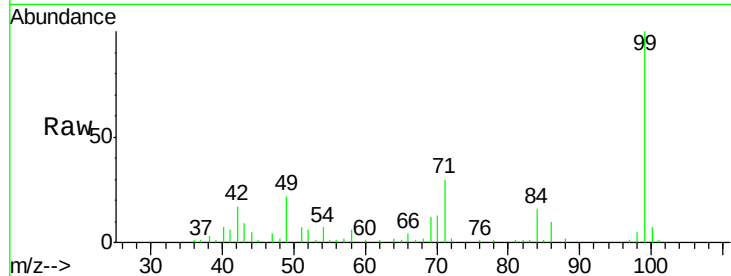
ClientSampleId :

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Tot Ion:	99	Resp:	54952
Ion Ratio	Lower	Upper	
99	100		
42	16.9	11.9	17.9
71	30.4	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

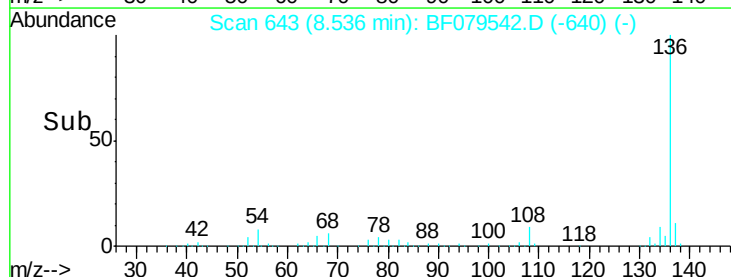
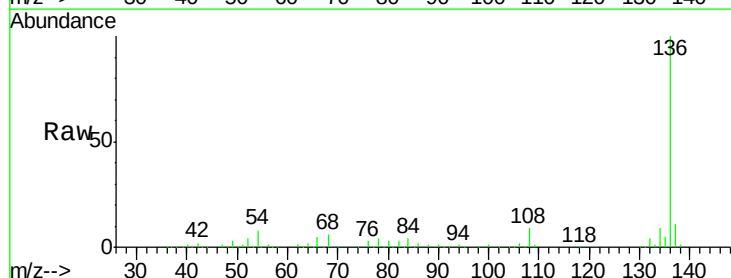
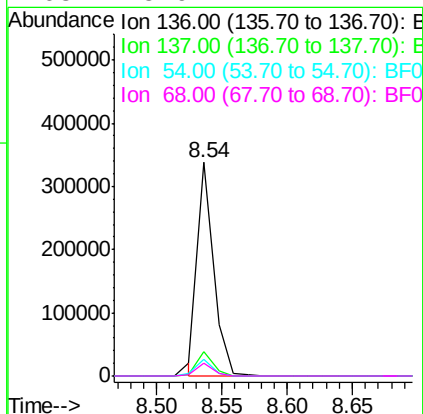
RT: 8.54 min Scan# 643

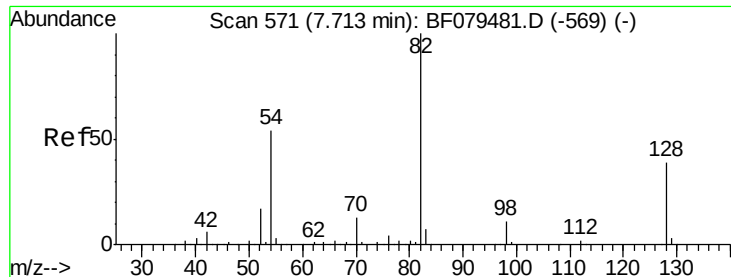
Delta R.T. -0.06 min

Lab File: BF079542.D

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Tgt Ion:	136	Resp:	291402
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	8.0	6.6	9.8
68	5.9	4.7	7.1





#23

Nitrobenzene-d5

Concen: 6.35 ng

RT: 7.66 min Scan# 566

Delta R.T. -0.06 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Instrument :

BNA_F

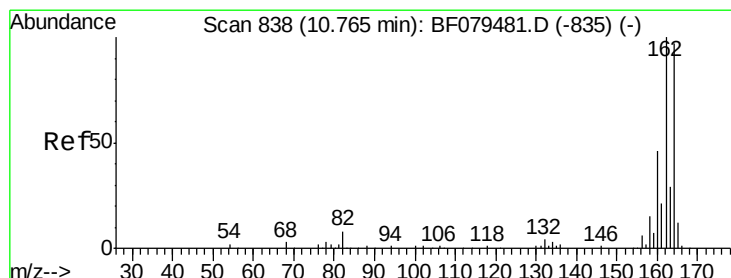
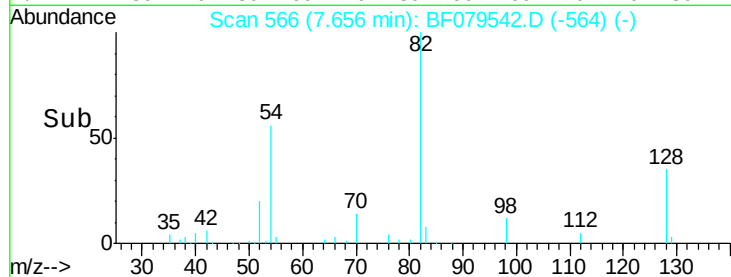
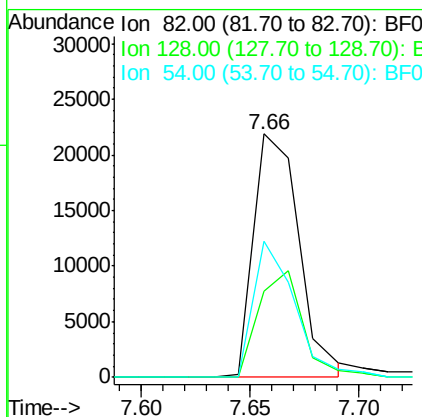
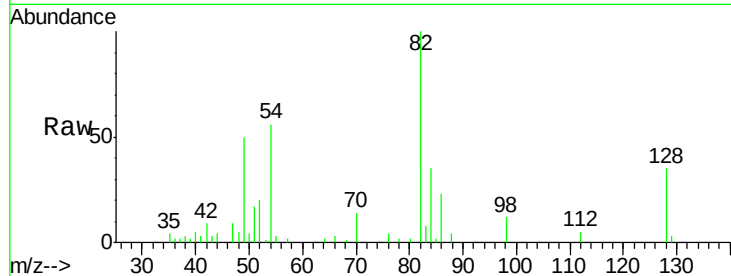
ClientSampleId :

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Tot Ion	82	Resp	31999
Ion Ratio	Lower	Upper	
82	100		
128	35.4	30.8	46.2
54	55.8	42.8	64.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

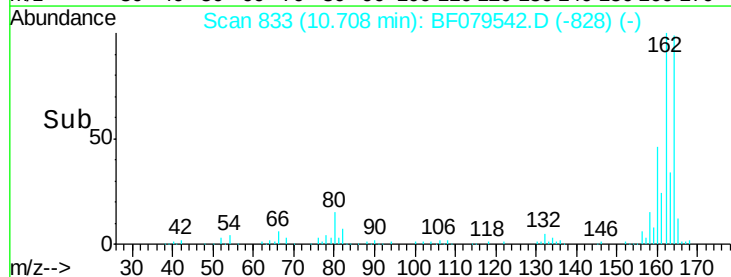
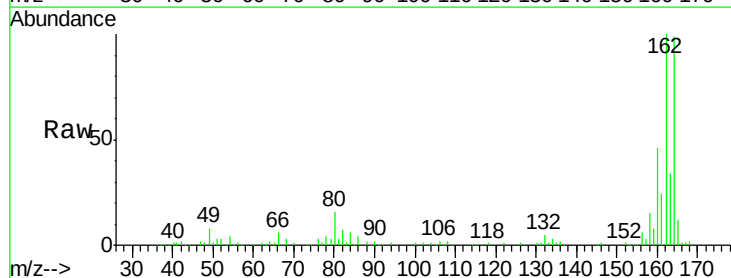
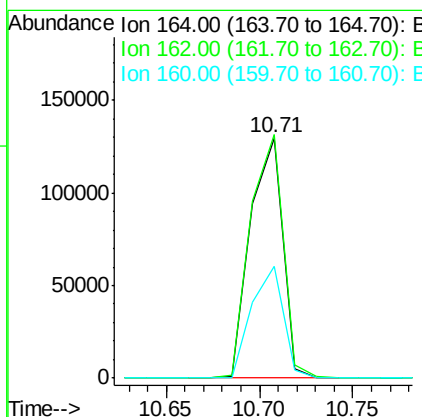
RT: 10.71 min Scan# 833

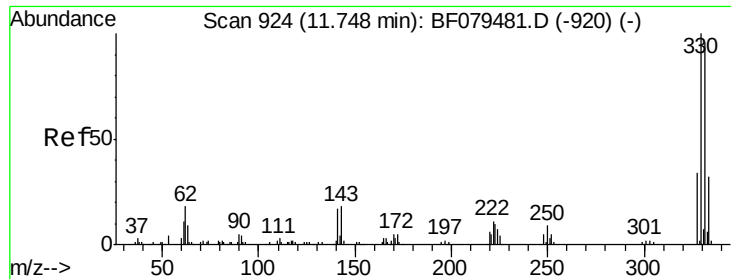
Delta R.T. -0.06 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Tgt Ion	164	Resp	158014
Ion Ratio	Lower	Upper	
164	100		
162	101.5	82.6	124.0
160	46.6	37.7	56.5





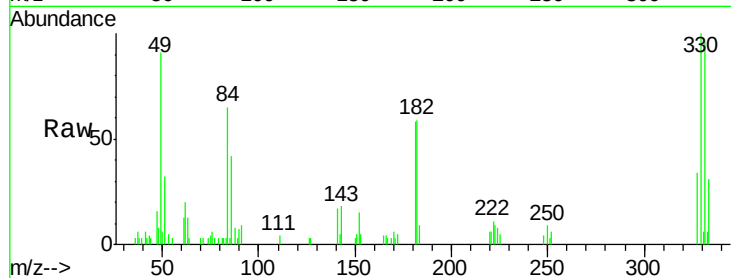
#41
 2,4,6-Tribromophenol
 Concen: 9.84 ng
 RT: 11.69 min Scan# 919
 Delta R.T. -0.06 min
 Lab File: BF079542.D
 Acq: 28 May 2015 14:09

Instrument :
 BNA_F
 ClientSampleId :
 SB-28SDL

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	94.8	0.0	0.0#
141	35.1	0.0	0.0#

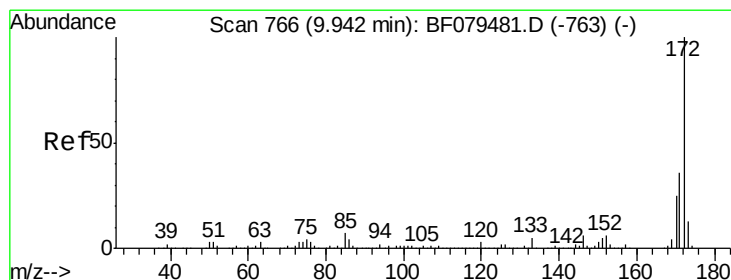
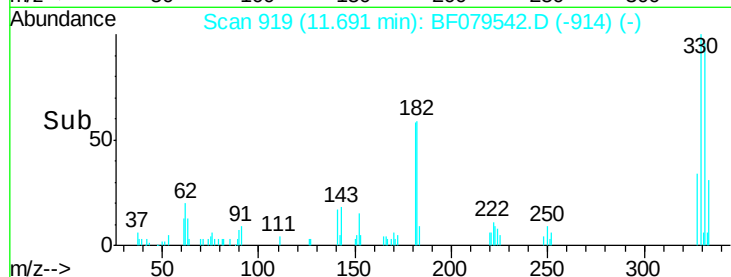
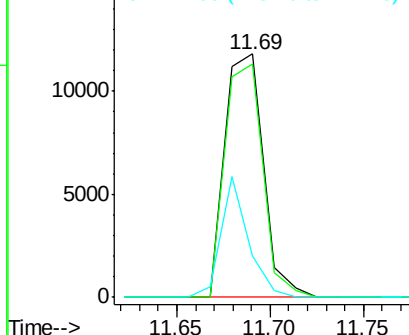
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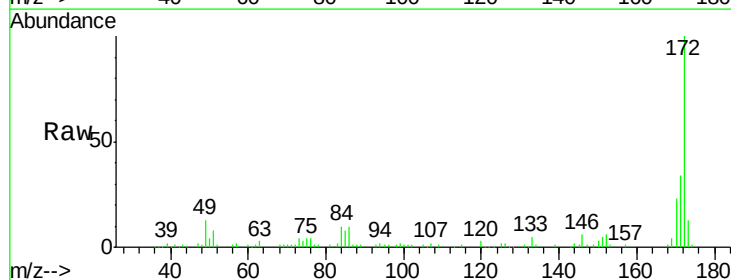
Abundance

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



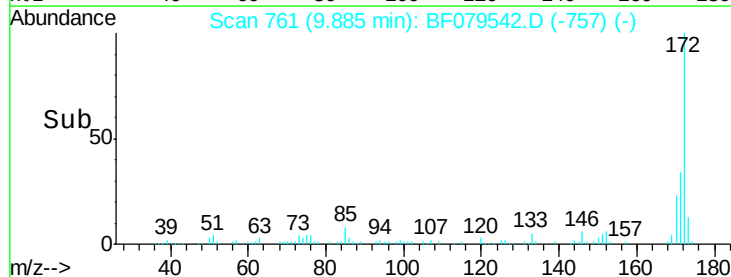
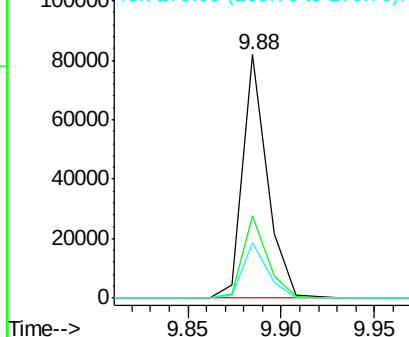
#44
 2-Fluorobiphenyl
 Concen: 6.76 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.06 min
 Lab File: BF079542.D
 Acq: 28 May 2015 14:09

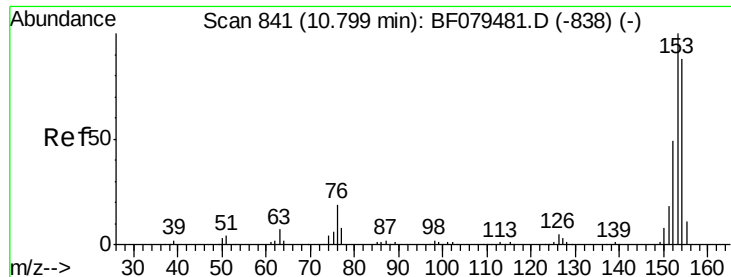
Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.0	28.5	42.7
170	22.6	19.7	29.5



Abundance

Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#51

Acenaphthene

Concen: 3.51 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.06 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Instrument :

BNA_F

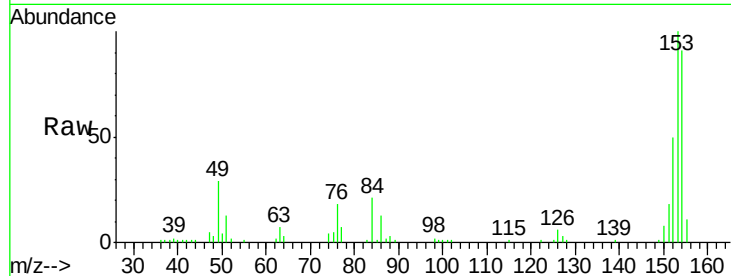
ClientSampled :

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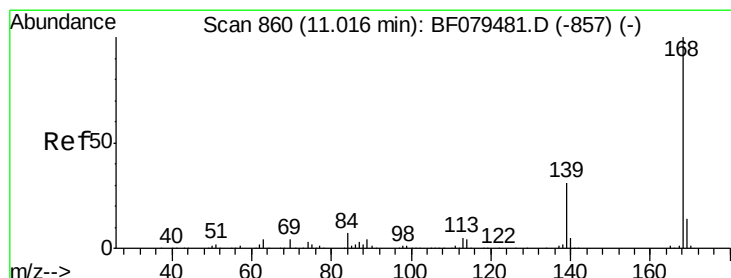
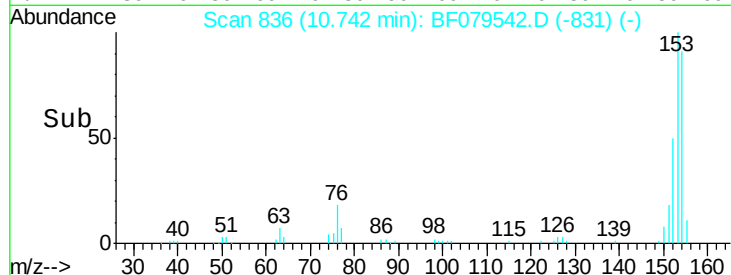
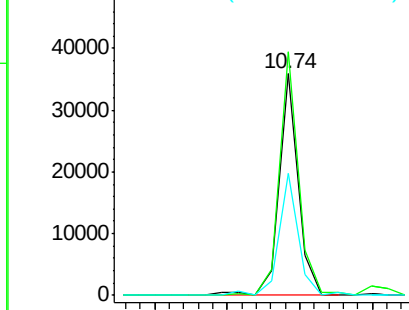
Tot Ion:	154	Resp:	32442
Ion Ratio	Lower	Upper	
154	100		
153	109.9	91.1	136.7
152	55.1	44.6	66.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.49 ng

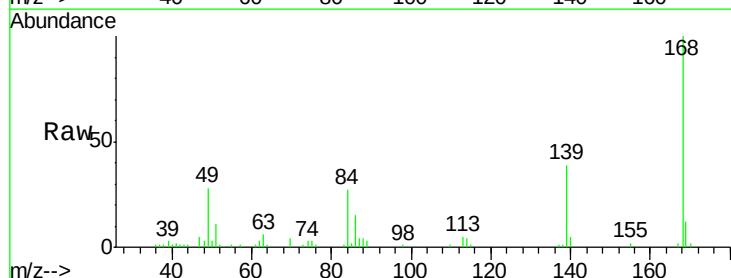
RT: 10.96 min Scan# 855

Delta R.T. -0.06 min

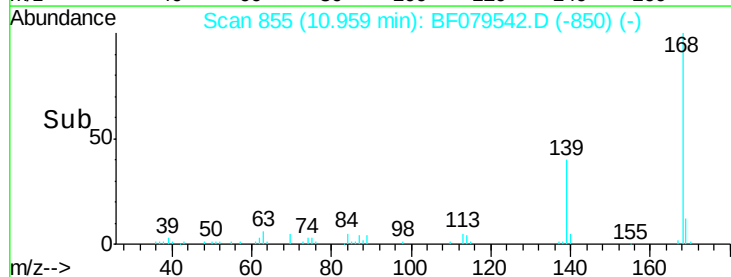
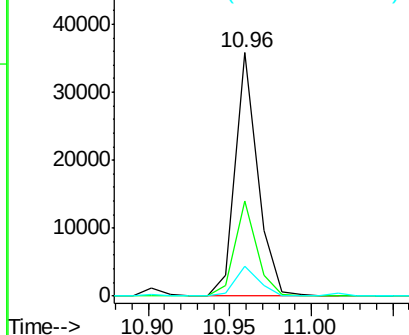
Lab File: BF079542.D

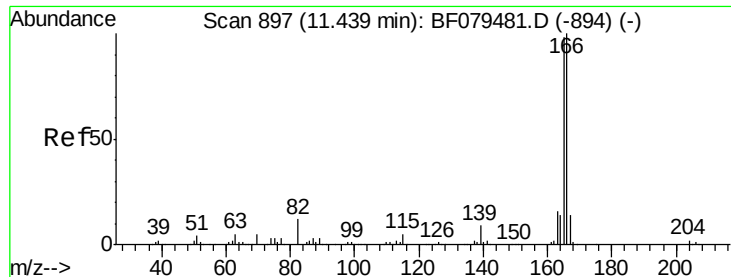
Acq: 28 May 2015 14:09

Tgt Ion:	168	Resp:	33960
Ion Ratio	Lower	Upper	
168	100		
139	39.2	32.9	49.3
169	12.2	11.1	16.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 3.46 ng

RT: 11.38 min Scan# 892

Delta R.T. -0.06 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Instrument :

BNA_F

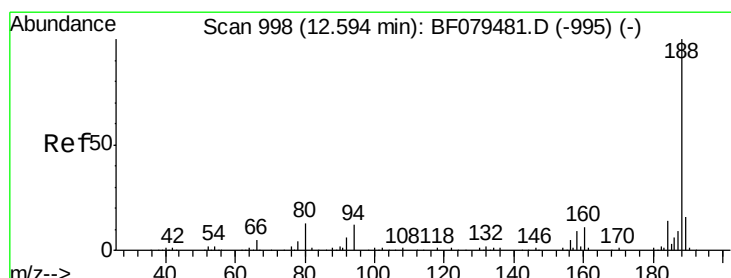
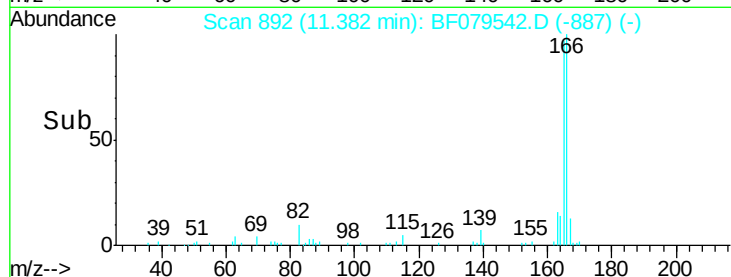
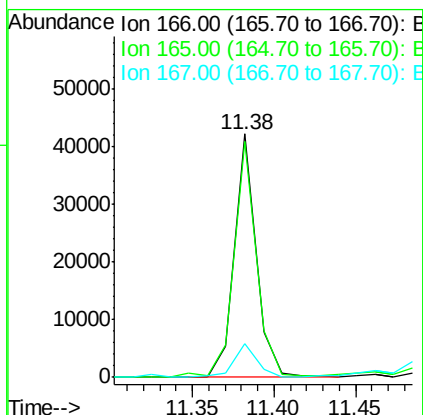
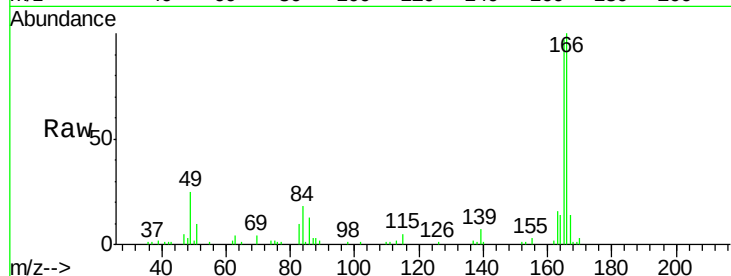
ClientSampleId :

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Tot Ion:166	Resp:	38928
Ion Ratio	Lower	Upper
166	100	
165	97.1	78.6 117.8
167	14.1	10.8 16.2

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#63

Phenanthrene-d10

Concen: 20.00 ng

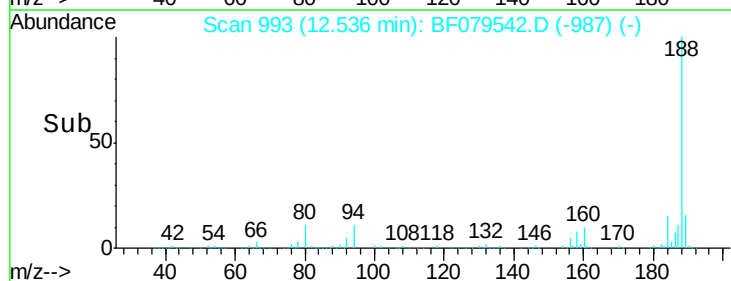
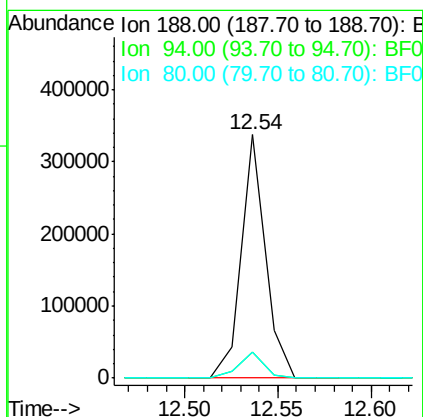
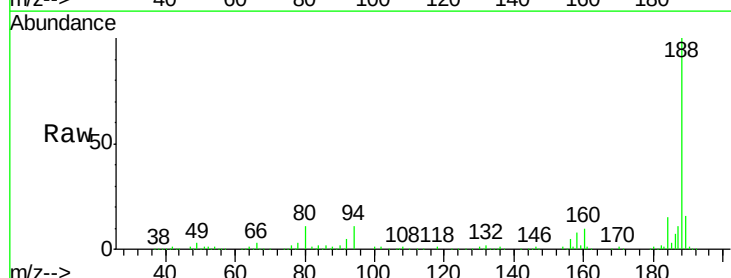
RT: 12.54 min Scan# 993

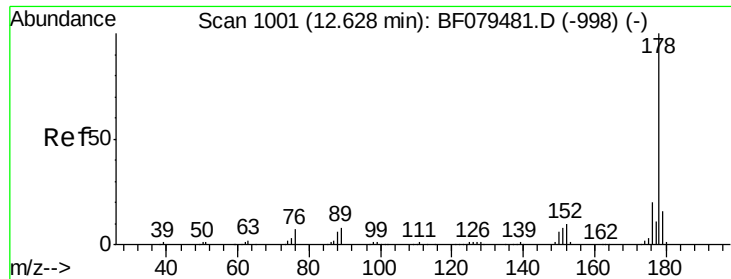
Delta R.T. -0.06 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Tgt Ion:188	Resp:	308402
Ion Ratio	Lower	Upper
188	100	
94	10.5	9.8 14.6
80	10.6	10.5 15.7





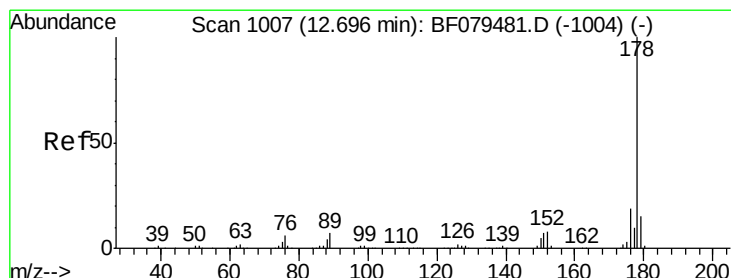
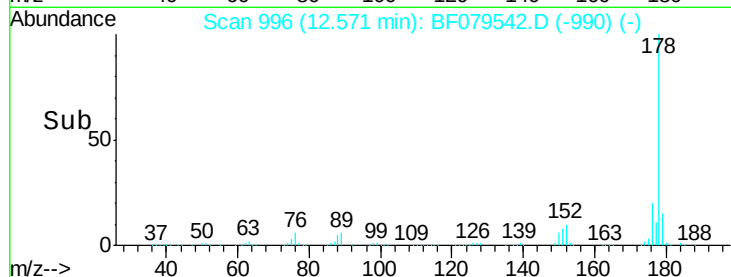
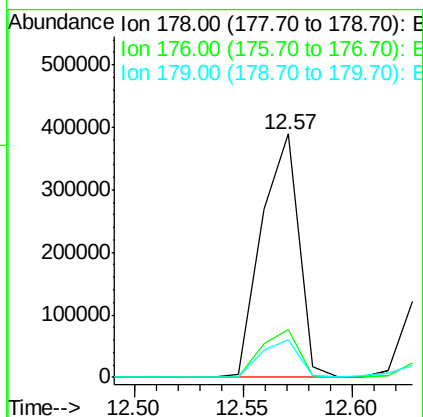
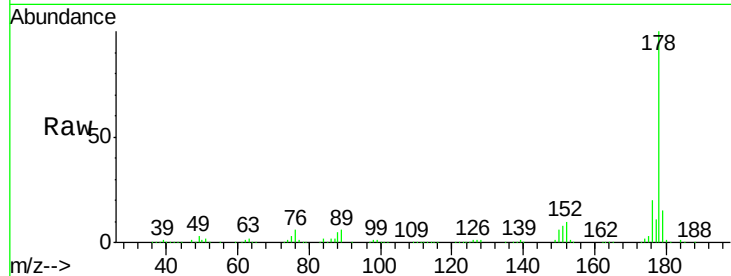
#70
 Phenanthrene
 Concen: 27.65 ng
 RT: 12.57 min Scan# 996
 Delta R.T. -0.06 min
 Lab File: BF079542.D
 Acq: 28 May 2015 14:09

Instrument :
 BNA_F
 ClientSampled :
 SB-28SDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.4	12.4	18.6

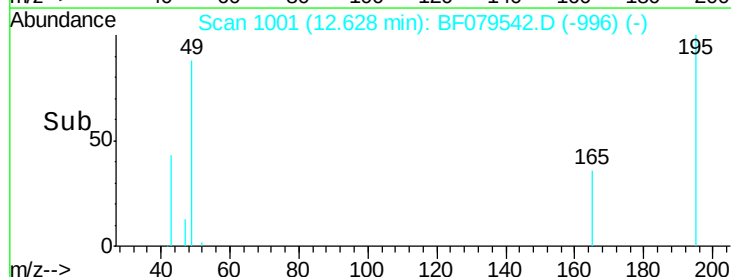
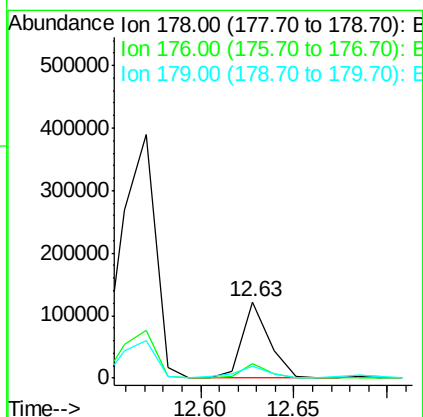
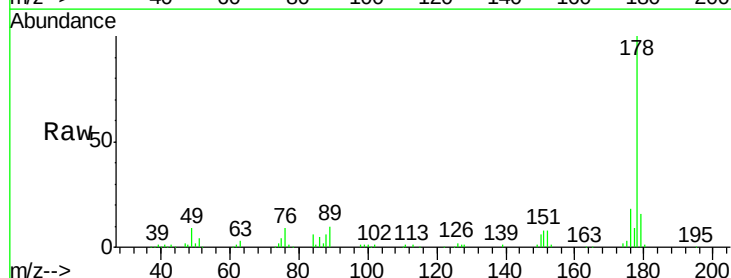
Manual Integrations
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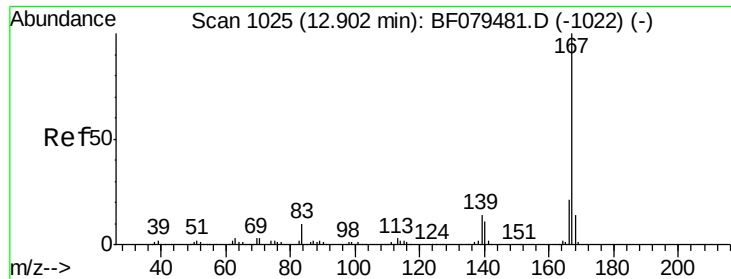
apatel
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#71
 Anthracene
 Concen: 7.05 ng
 RT: 12.63 min Scan# 1001
 Delta R.T. -0.07 min
 Lab File: BF079542.D
 Acq: 28 May 2015 14:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	15.9	12.2	18.4





#72

Carbazole

Concen: 2.46 ng

RT: 12.85 min Scan# 1020

Delta R.T. -0.06 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Instrument :

BNA_F

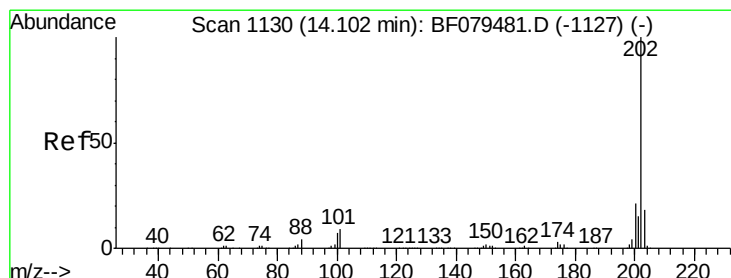
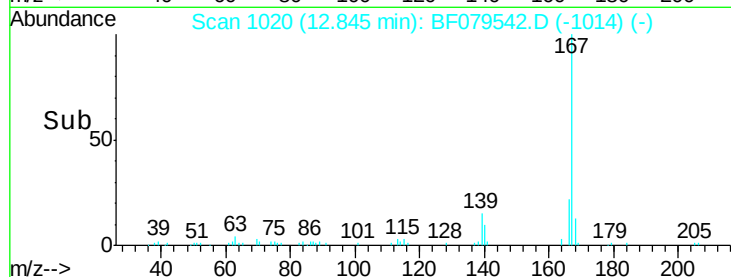
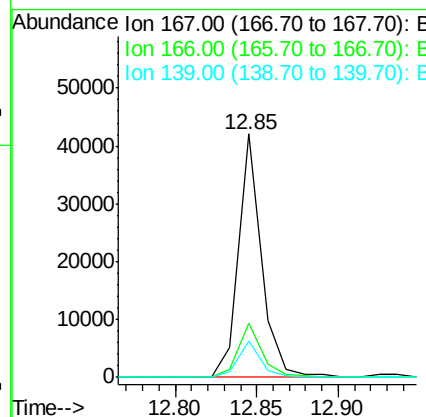
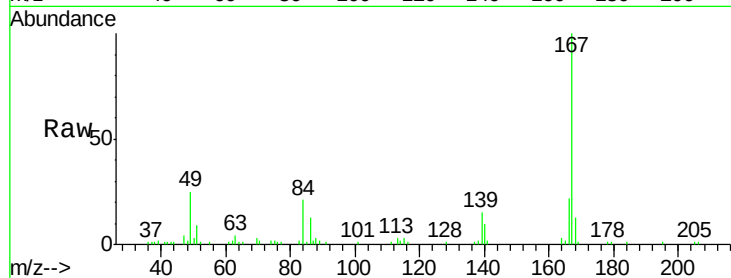
ClientSampled :

SB-28SDL

Tot Ion:	167	Resp:	40761
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.0	25.4
139	14.8	11.2	16.8

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#74

Fluoranthene

Concen: 28.29 ng

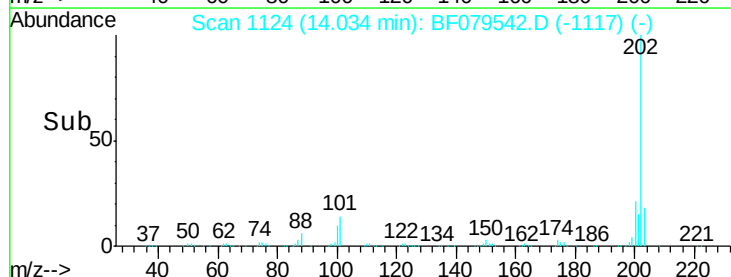
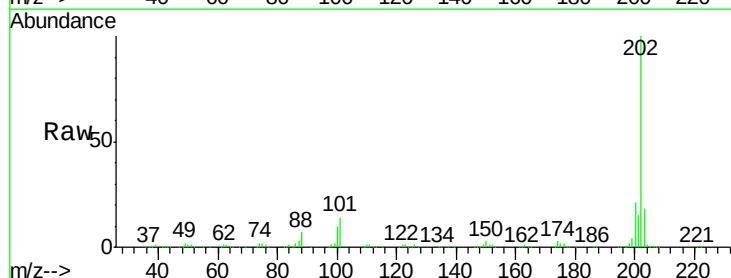
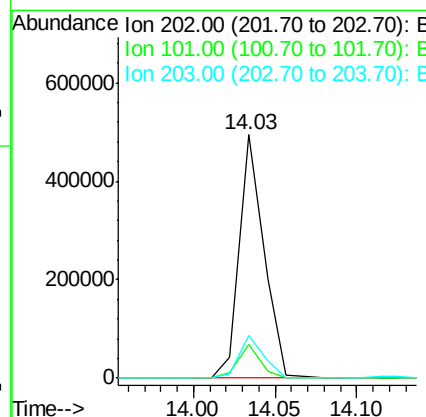
RT: 14.03 min Scan# 1124

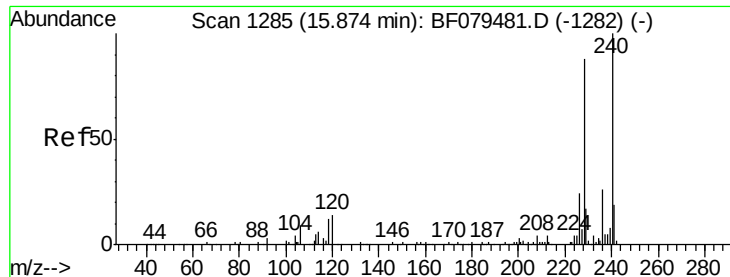
Delta R.T. -0.07 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Tgt Ion:	202	Resp:	513280
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	29.3
203	17.7	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.82 min Scan# 1280

Delta R.T. -0.06 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Instrument :

BNA_F

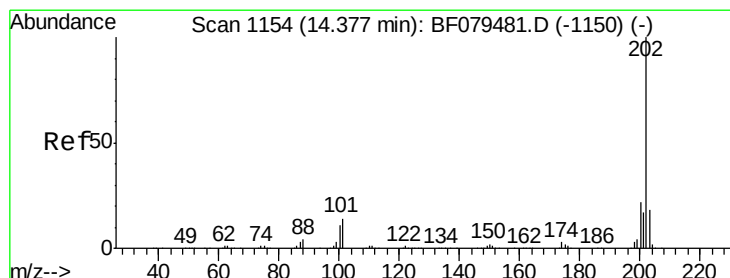
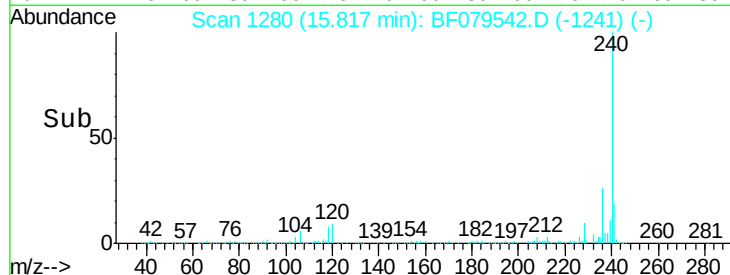
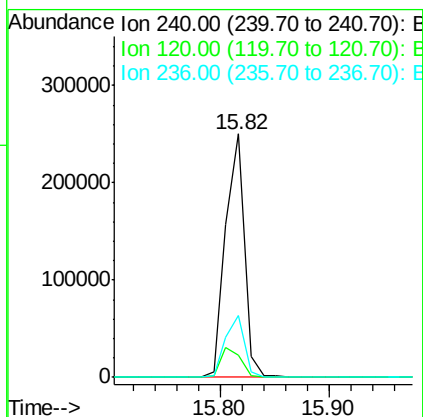
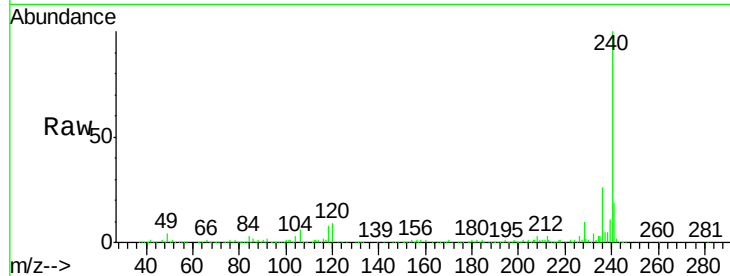
ClientSampleId :

SB-28SDL

Tot Ion:	240	Resp:	301546
Ion Ratio	Lower	Upper	
240	100		
120	9.0	10.8	16.2#
236	25.7	21.0	31.6

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#77

Pyrene

Concen: 23.03 ng

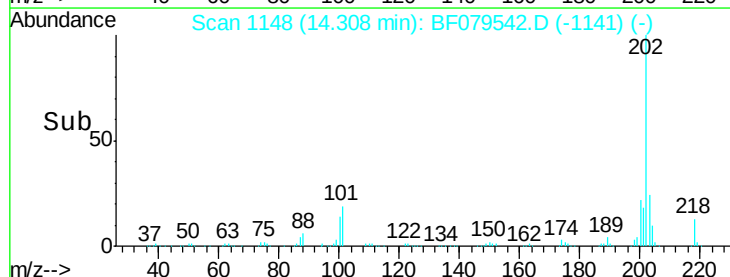
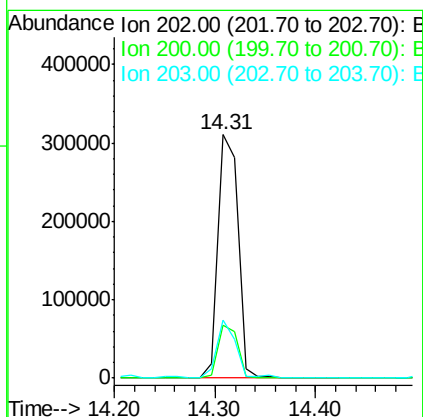
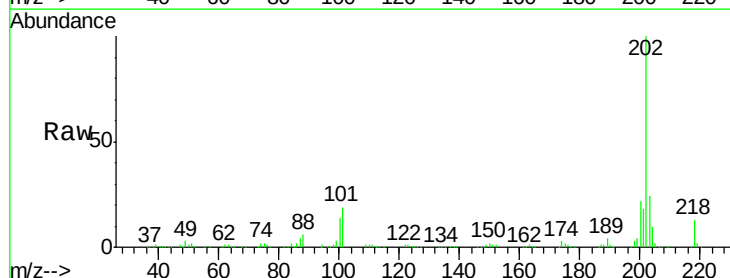
RT: 14.31 min Scan# 1148

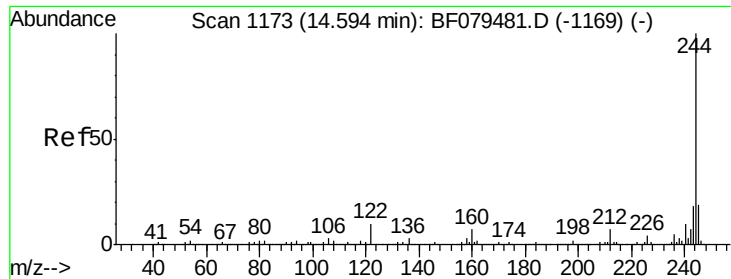
Delta R.T. -0.07 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Tgt Ion:	202	Resp:	430268
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.5	26.3
203	23.9	14.4	21.6#





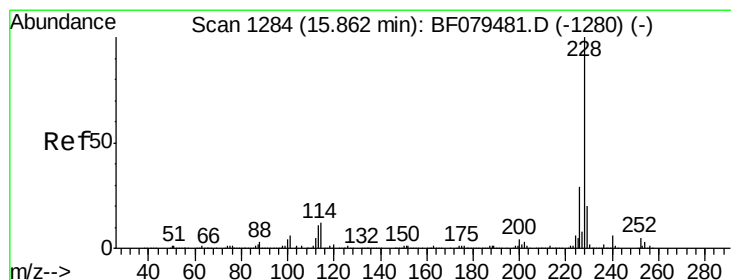
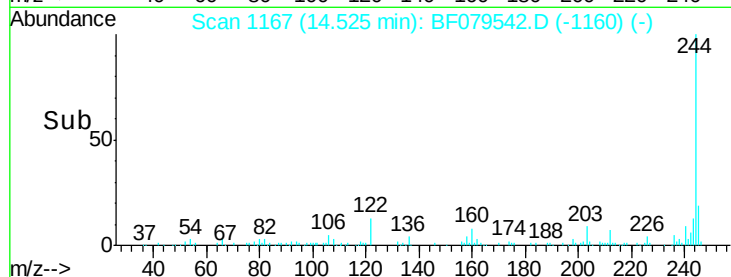
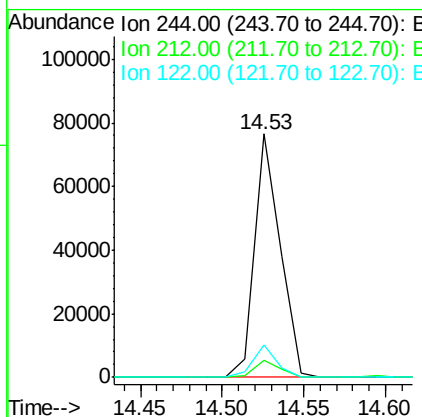
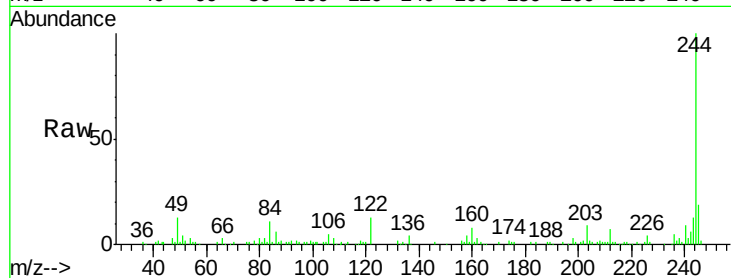
#78
 Terphenyl-d14
 Concen: 6.52 ng
 RT: 14.53 min Scan# 1167
 Delta R.T. -0.07 min
 Lab File: BF079542.D
 Acq: 28 May 2015 14:09

Instrument :
 BNA_F
 ClientSampled :
 SB-28SDL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.2	7.8
122	13.1	8.0	12.0

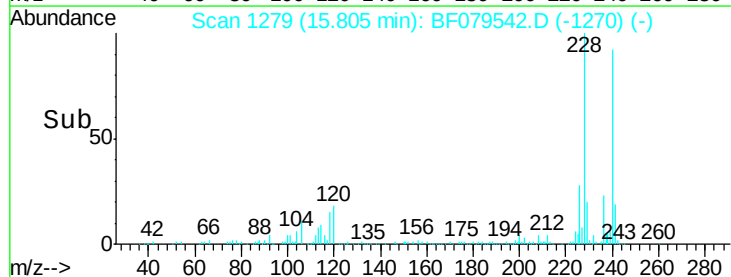
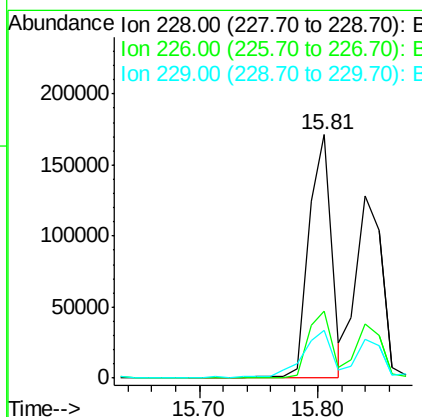
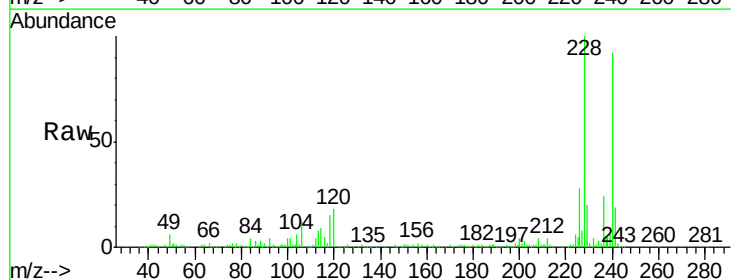
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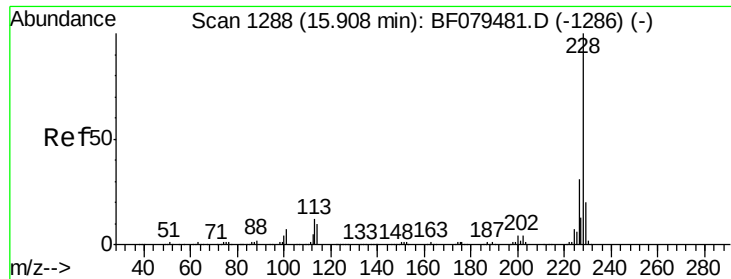
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#80
 Benzo(a)anthracene
 Concen: 13.13 ng
 RT: 15.81 min Scan# 1279
 Delta R.T. -0.06 min
 Lab File: BF079542.D
 Acq: 28 May 2015 14:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.8	34.2
229	19.8	15.9	23.9





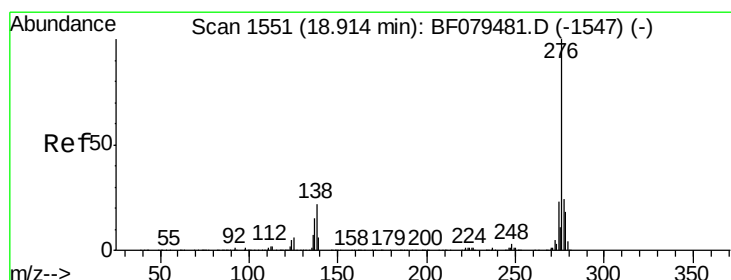
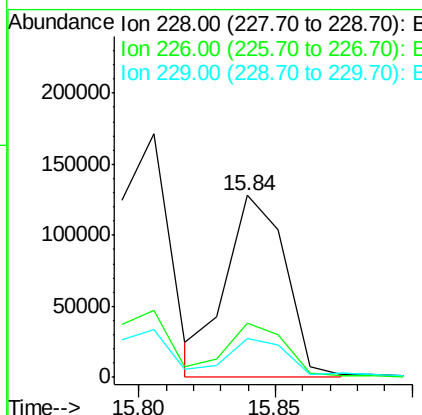
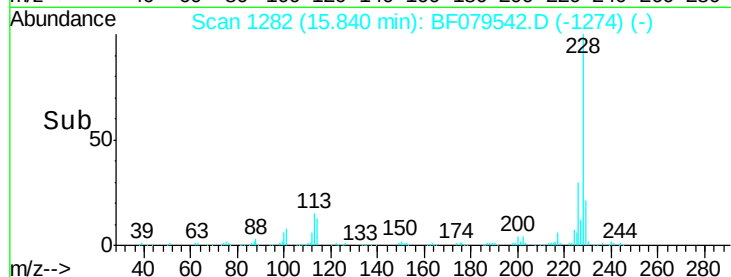
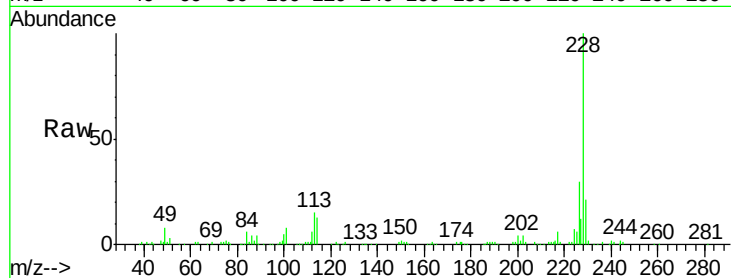
#82
Chrysene
Concen: 11.80 ng/mL
RT: 15.84 min Scan# 1282
Delta R.T. -0.07 min
Lab File: BF079542.D
Acq: 28 May 2015 14:09

Instrument :
BNA_F
ClientSampled :
SB-28SDL

Tot Ion:	228	Resp:	194644
Ion Ratio		Lower	Upper
228	100		
226	29.7	25.0	37.4
229	21.2	15.9	23.9

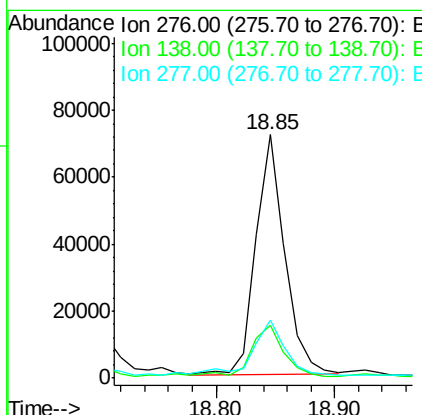
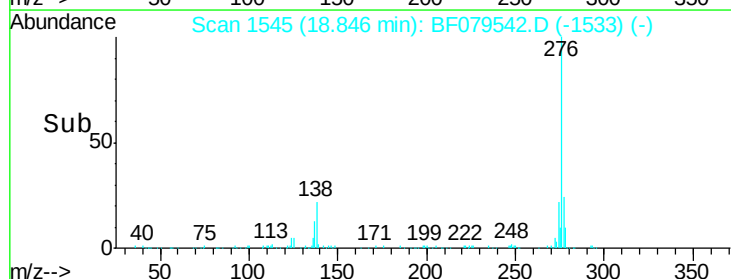
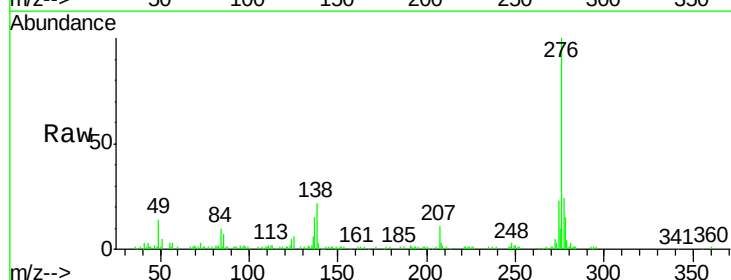
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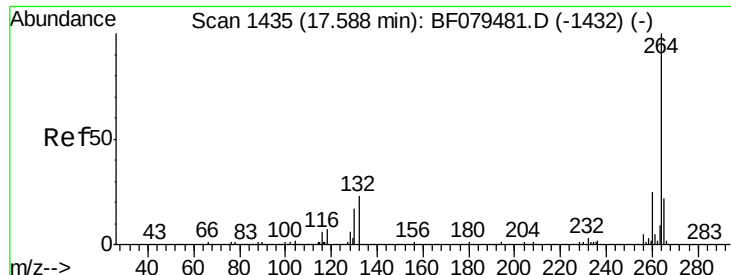
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.73 ng/mL
RT: 18.85 min Scan# 1545
Delta R.T. -0.07 min
Lab File: BF079542.D
Acq: 28 May 2015 14:09

Tgt Ion:	276	Resp:	121585
Ion Ratio		Lower	Upper
276	100		
138	24.7	21.4	32.2
277	27.7	19.8	29.6





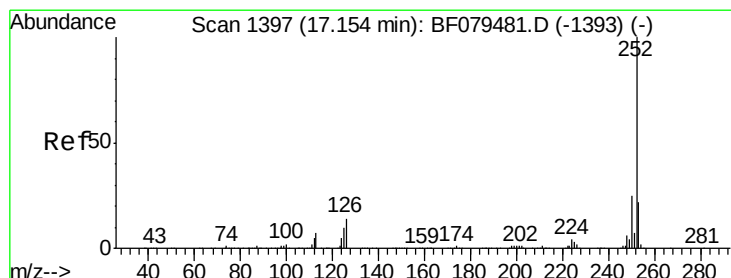
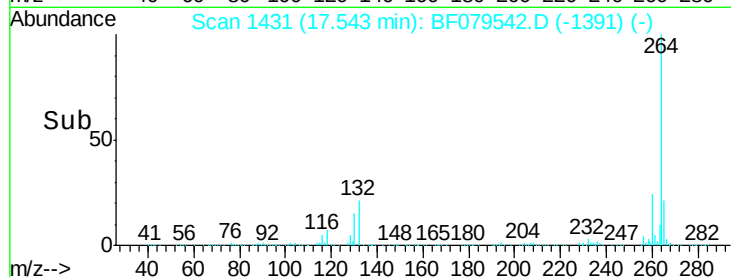
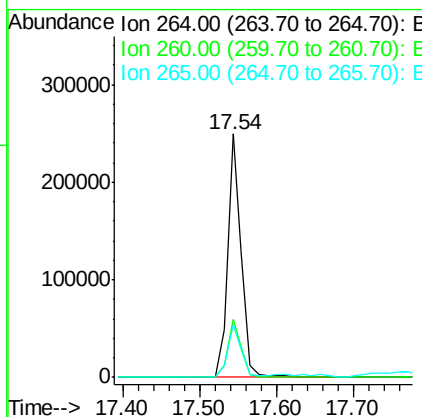
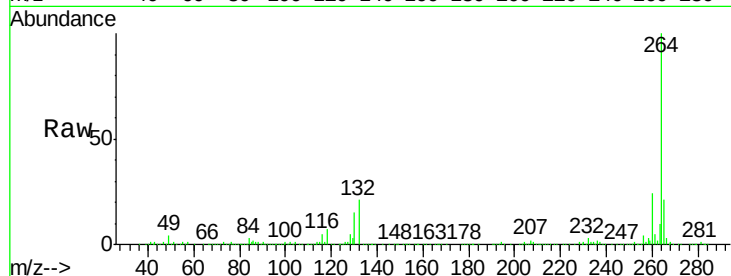
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.54 min Scan# 1431
Delta R.T. -0.05 min
Lab File: BF079542.D
Acq: 28 May 2015 14:09

Instrument :
BNA_F
ClientSampleId :
SB-28SDL

Tot Ion	Ratio	Resp	Lower	Upper
264	100	312611		
260	23.8	19.8	29.8	
265	21.5	17.8	26.6	

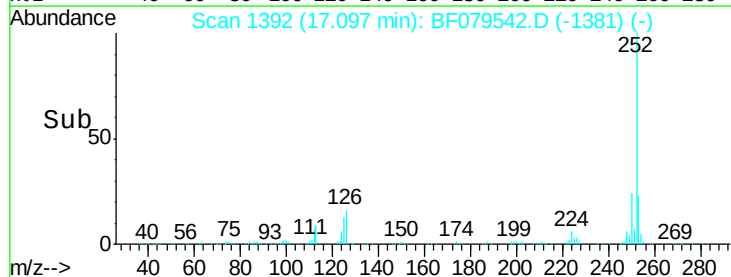
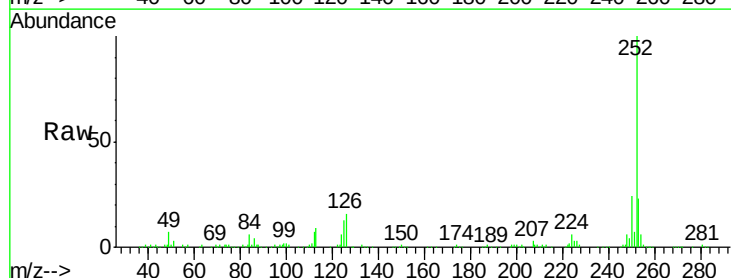
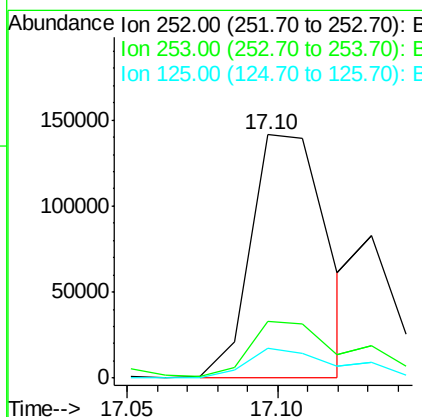
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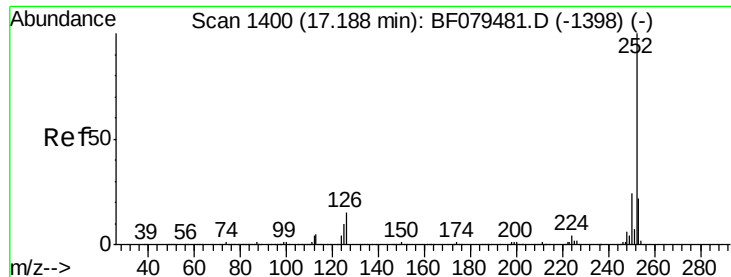
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#87
Benzo(b)fluoranthene
Concen: 13.97 ng m
RT: 17.10 min Scan# 1392
Delta R.T. -0.06 min
Lab File: BF079542.D
Acq: 28 May 2015 14:09

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	249111		
253	23.1	17.6	26.4	
125	12.5	7.8	11.6	





#88

Benzo(k)fluoranthene

Concen: 4.92 ng/mL

RT: 17.13 min Scan# 1395

Delta R.T. -0.06 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Instrument :

BNA_F

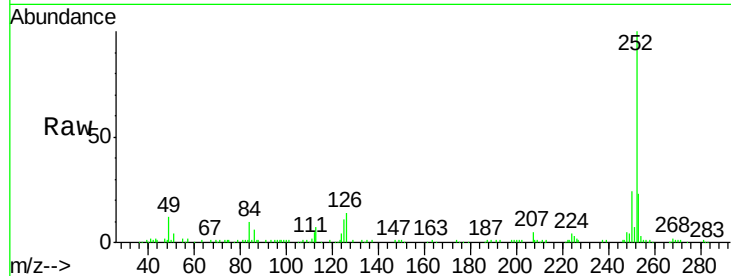
ClientSampled :

SB-28SDL

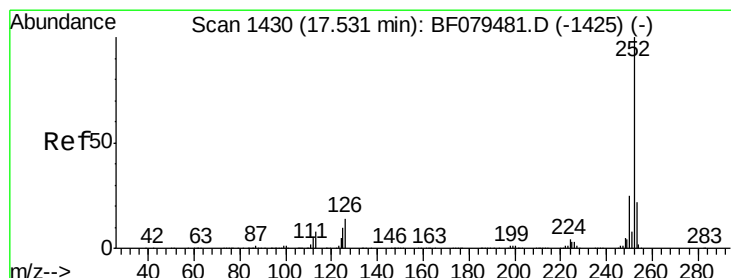
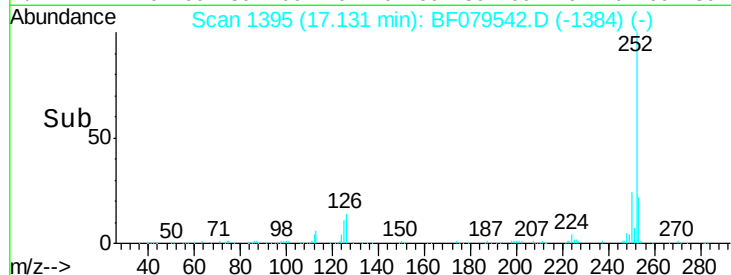
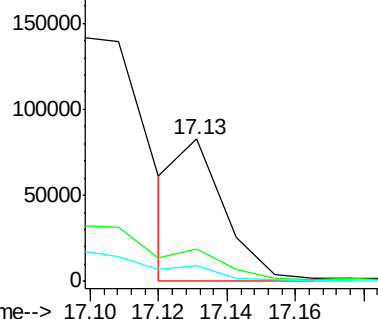
Tot Ion:	252	Resp:	78389
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	11.1	6.8	10.2

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 10.08 ng/mL

RT: 17.49 min Scan# 1426

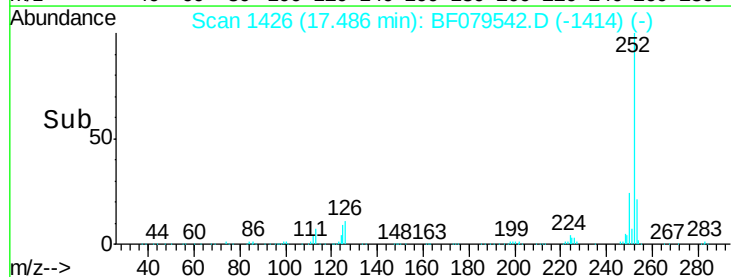
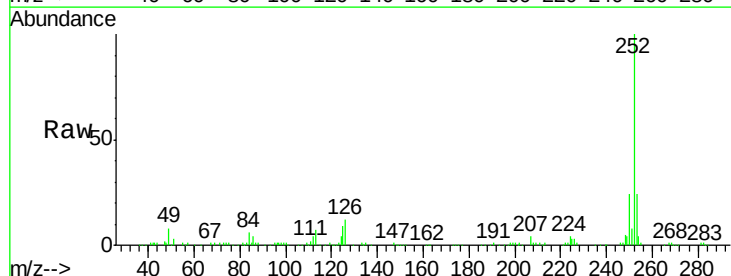
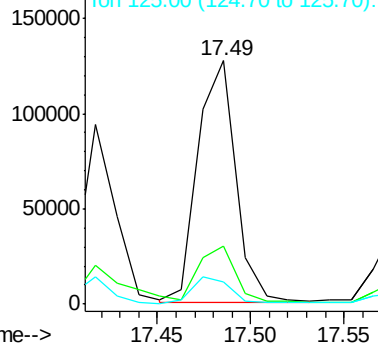
Delta R.T. -0.05 min

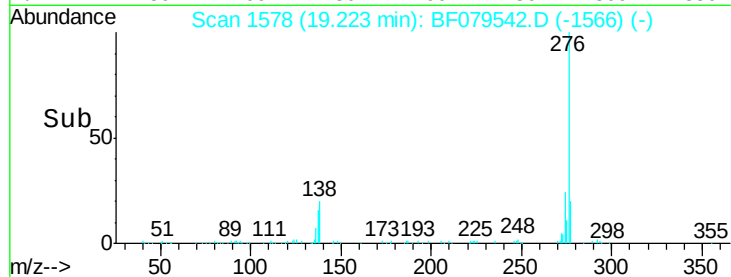
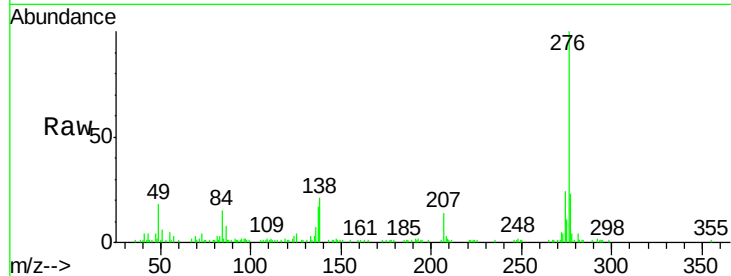
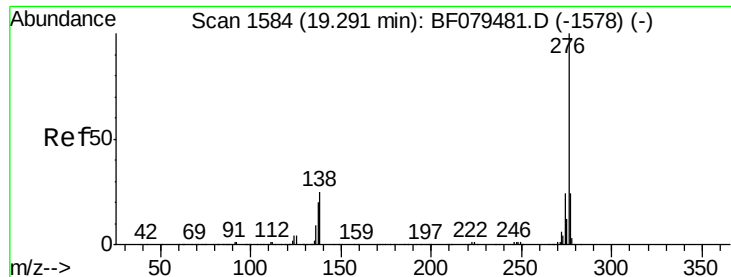
Lab File: BF079542.D

Acq: 28 May 2015 14:09

Tgt Ion:	252	Resp:	180965
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	9.2	7.9	11.9

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 4.56 ng

RT: 19.22 min Scan# 1578

Delta R.T. -0.07 min

Lab File: BF079542.D

Acq: 28 May 2015 14:09

Instrument :

BNA_F

ClientSampleId :

SB-28SDL

Tot Ion:	276	Resp:	115827
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.1	28.7
138	20.5	20.1	30.1

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