

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052215\
 Data File : BF079455.D
 Acq On : 23 May 2015 4:33
 Operator : TP/IZ
 Sample : G2359-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-27D

Manual Integrations
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Quant Time: May 23 06:42:54 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 23 06:12:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.05	152	64319	20.00	ng	0.00
21) Naphthalene-d8	8.63	136	266672	20.00	ng	0.00
38) Acenaphthene-d10	10.80	164	125590	20.00	ng	0.00
63) Phenanthrene-d10	12.63	188	244364	20.00	ng	0.00
75) Chrysene-d12	15.91	240	237732	20.00	ng	0.00
86) Perylene-d12	17.60	264	248780	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	353432m	94.59	ng	0.00
7) Phenol-d6	6.63	99	472174m	95.60	ng	0.00
23) Nitrobenzene-d5	7.75	82	258786	55.77	ng	0.00
41) 2,4,6-Tribromophenol	11.77	330	127928	94.16	ng	0.00
44) 2-Fluorobiphenyl	9.98	172	470835	52.23	ng	0.00
78) Terphenyl-d14	14.63	244	482800	48.62	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.65	128	77220	6.08	ng	99
37) 2-Methylnaphthalene	9.52	142	26653	3.03	ng	99
49) Dimethylphthalate	10.49	163	33139	3.60	ng	# 99
51) Acenaphthene	10.83	154	54452	7.14	ng	100
54) Dibenzofuran	11.05	168	68183	6.19	ng	99
57) Fluorene	11.47	166	62471	6.91	ng	98
70) Phenanthrene	12.66	178	783416	57.31	ng	99
71) Anthracene	12.72	178	203015	15.14	ng	97
72) Carbazole	12.94	167	99031	7.75	ng	98
74) Fluoranthene	14.14	202	725428	50.92	ng	96
77) Pyrene	14.41	202	622265	45.42	ng	98
80) Benzo(a)anthracene	15.90	228	328889	25.26	ng	98
82) Chrysene	15.94	228	254640	20.34	ng	97
85) Indeno(1,2,3-cd)pyrene	18.94	276	153798	9.64	ng	98
87) Benzo(b)fluoranthene	17.18	252	312963m	22.98	ng	
88) Benzo(k)fluoranthene	17.20	252	130194m	9.88	ng	
89) Benzo(a)pyrene	17.54	252	259471	20.69	ng	98
90) Dibenzo(a,h)anthracene	18.95	278	41663	3.13	ng	# 90
91) Benzo(a,h,i)perylene	19.33	276	153266	11.48	ng	98

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

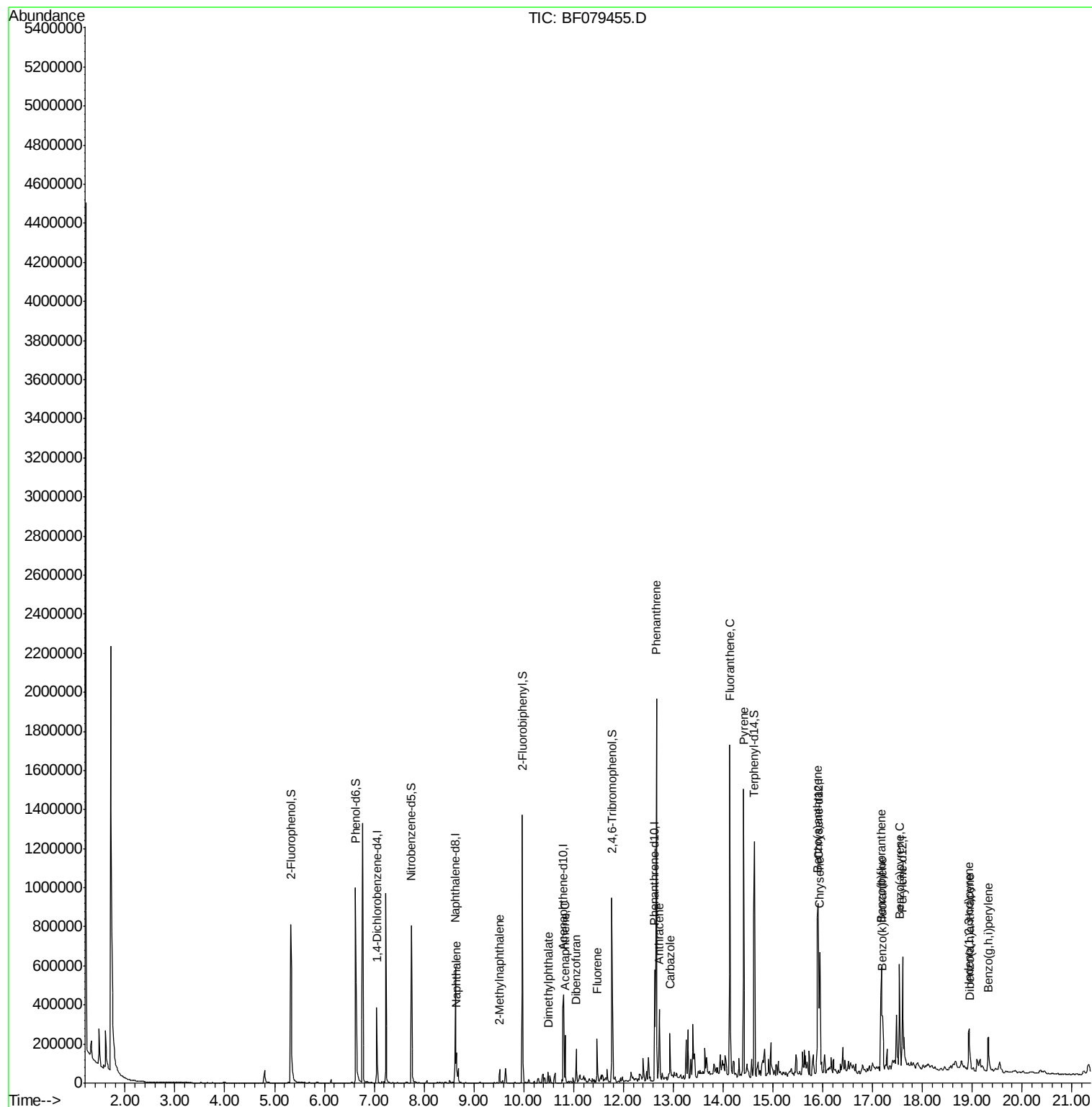
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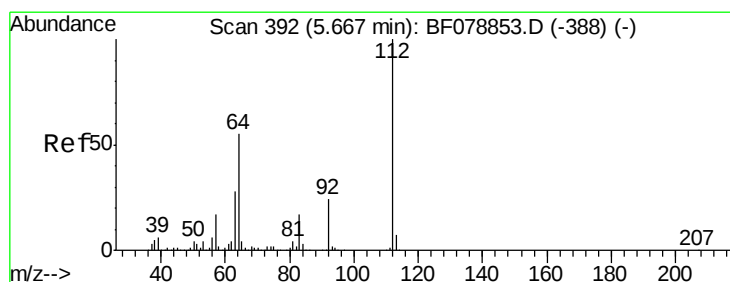
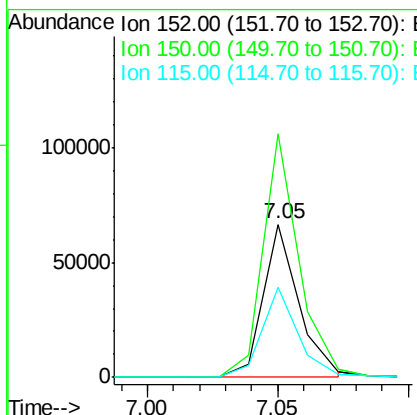
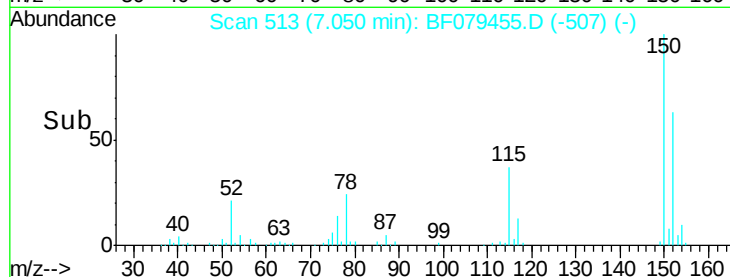
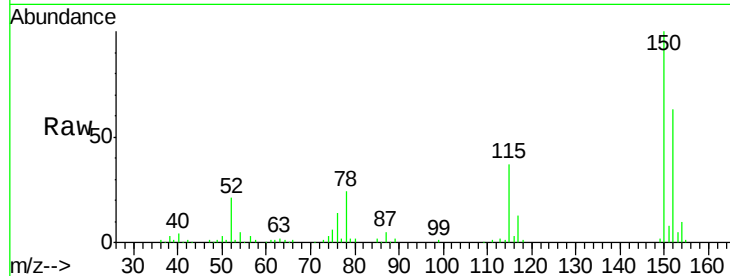
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.05 min Scan# 513
 Delta R.T. -0.00 min
 Lab File: BF079455.D
 Acq: 23 May 2015 4:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-27D

Tot Ion:	152	Resp:	64319
Ion Ratio	Lower	Upper	
152	100		
150	158.7	123.8	185.8
115	58.6	49.4	74.0

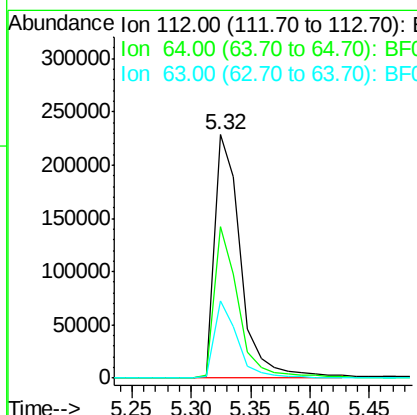
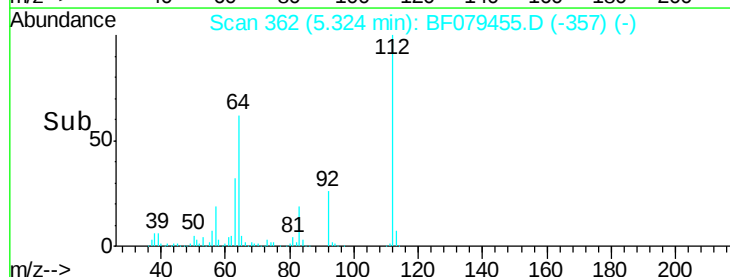
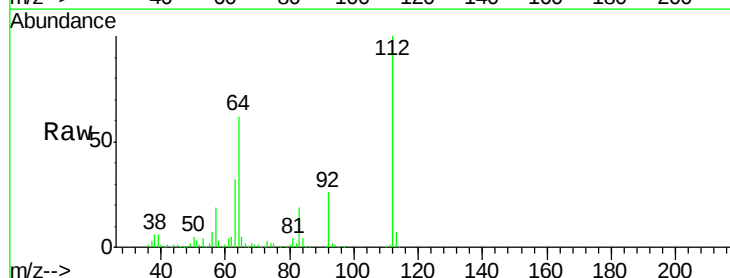
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#5
 2-Fluorophenol
 Concen: 94.59 ng m
 RT: 5.32 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: BF079455.D
 Acq: 23 May 2015 4:33

Tgt Ion:	112	Resp:	353432
Ion Ratio	Lower	Upper	
112	100		
64	62.0	44.2	66.2
63	31.7	22.7	34.1





#7

Phenol-d6

Concen: 95.60 ng/mL

RT: 6.63 min Scan# 476

Delta R.T. -0.00 min

Lab File: BF079455.D

Acq: 23 May 2015 4:33

Instrument :

BNA_F

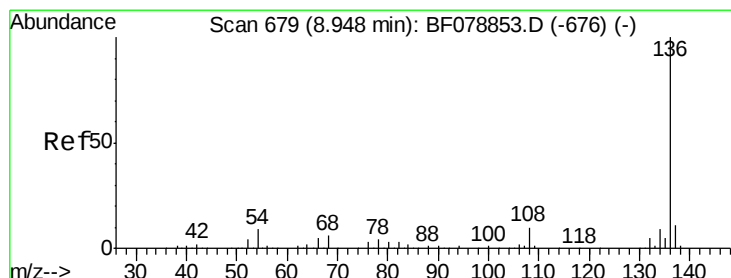
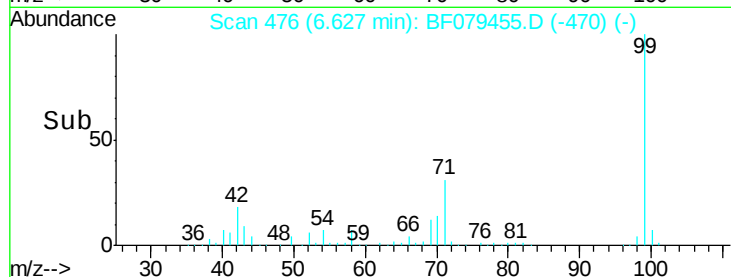
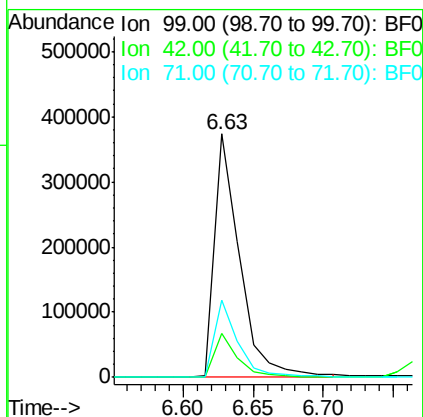
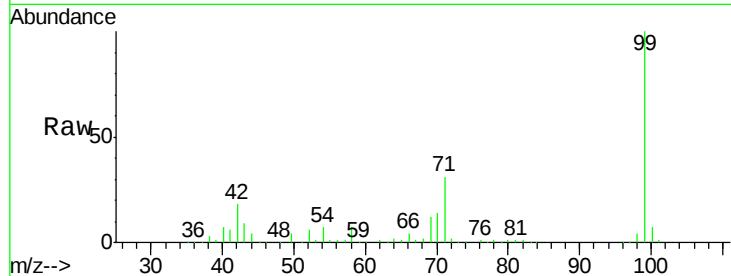
ClientSampled :

SB-27D

Tot Ion:	99	Resp:	472174
Ion Ratio	Lower	Upper	
99	100		
42	18.3	17.1	25.7
71	31.5	26.3	39.5

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#21

Naphthalene-d8

Concen: 20.00 ng

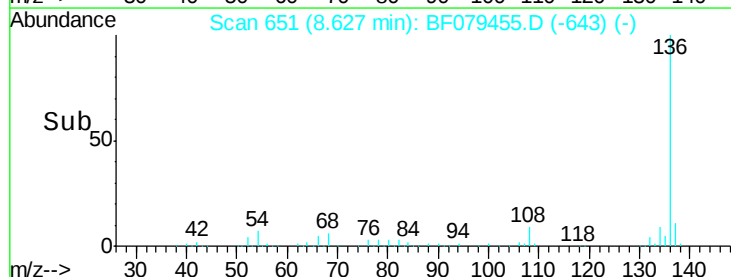
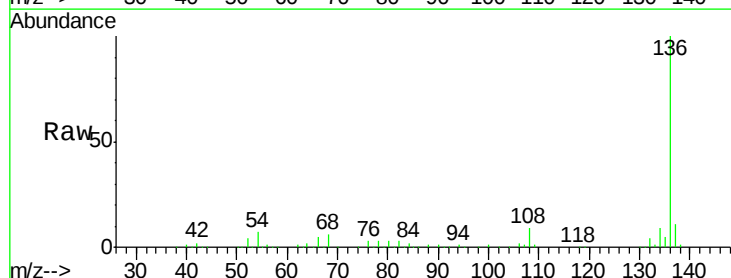
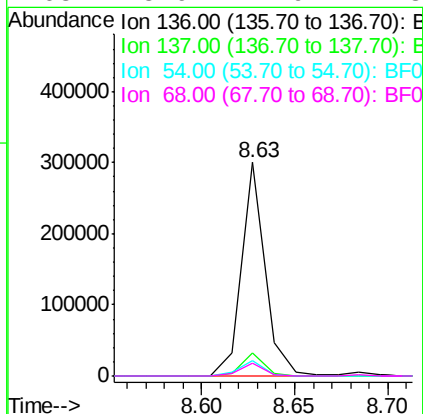
RT: 8.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BF079455.D

Acq: 23 May 2015 4:33

Tgt Ion:	136	Resp:	266672
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	7.1	6.9	10.3
68	5.9	4.9	7.3





#23

Nitrobenzene-d5

Concen: 55.77 ng

RT: 7.75 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF079455.D

Acq: 23 May 2015 4:33

Instrument :

BNA_F

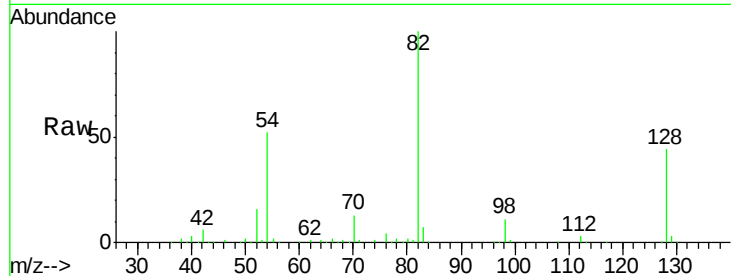
ClientSampled :

SB-27D

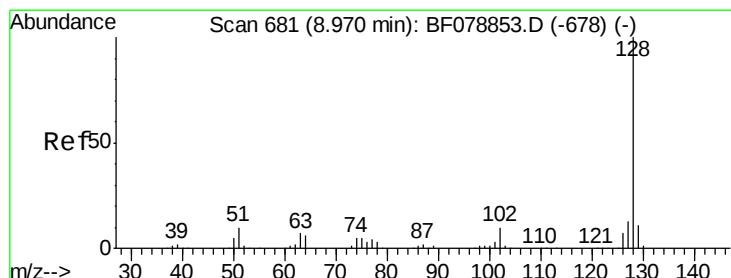
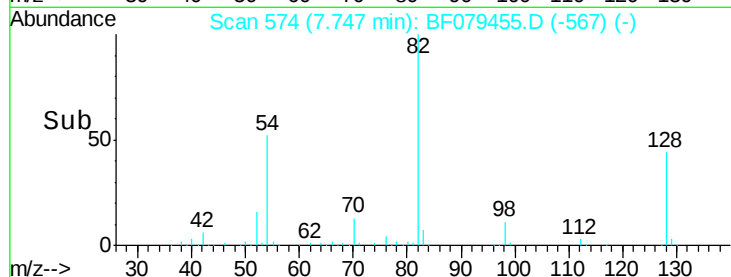
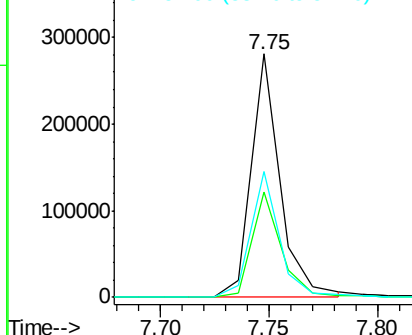
Tot Ion:	82	Resp:	258786
Ion Ratio	Lower	Upper	
82	100		
128	43.5	29.7	44.5
54	51.6	46.2	69.4

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 6.08 ng

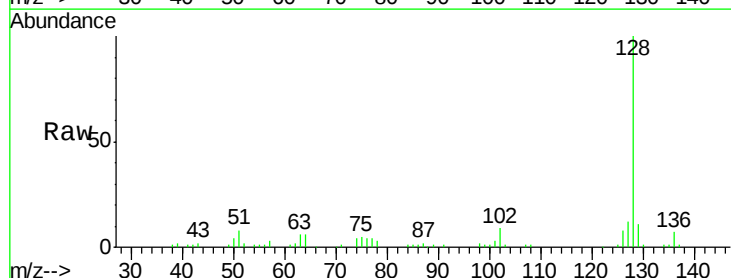
RT: 8.65 min Scan# 653

Delta R.T. -0.00 min

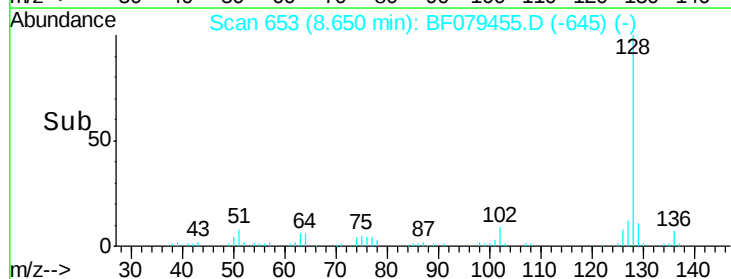
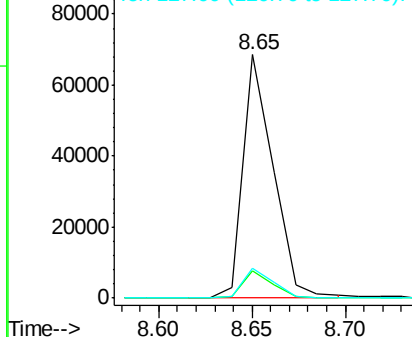
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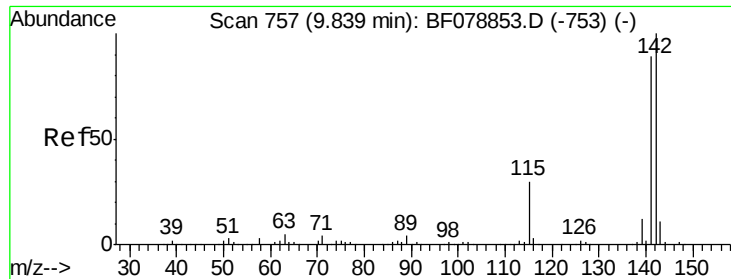
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Tgt Ion:	128	Resp:	77220
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.2	13.8
127	12.5	10.3	15.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





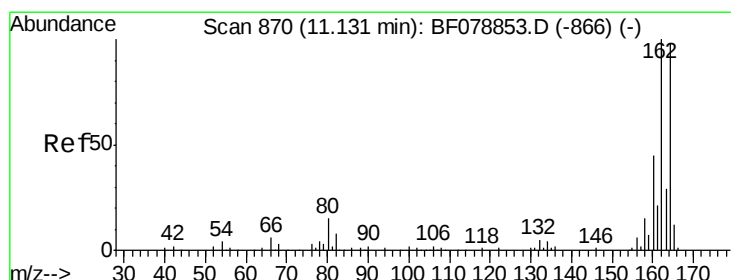
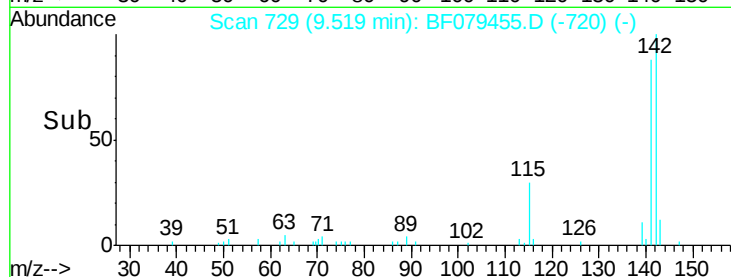
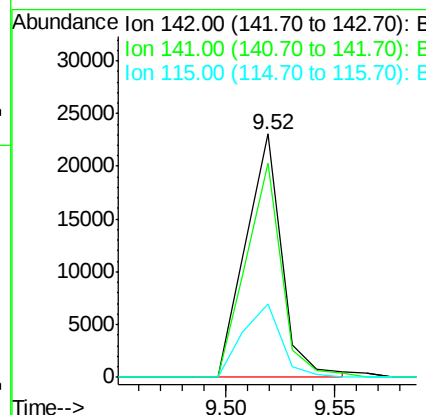
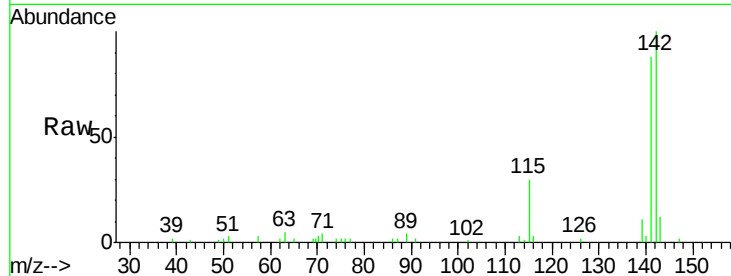
#37
 2-Methylnaphthalene
 Concen: 3.03 ng
 RT: 9.52 min Scan# 729
 Delta R.T. 0.01 min
 Lab File: BF079455.D
 Acq: 23 May 2015 4:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-27D

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.6	107.4
115	30.4	24.2	36.4

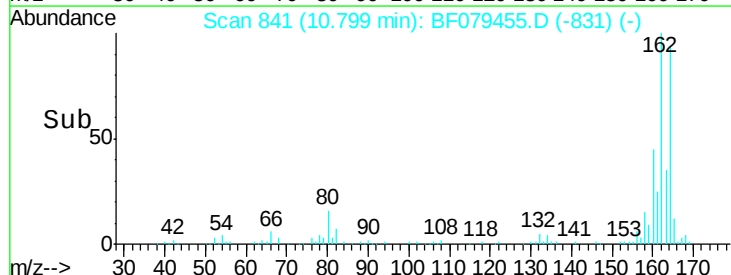
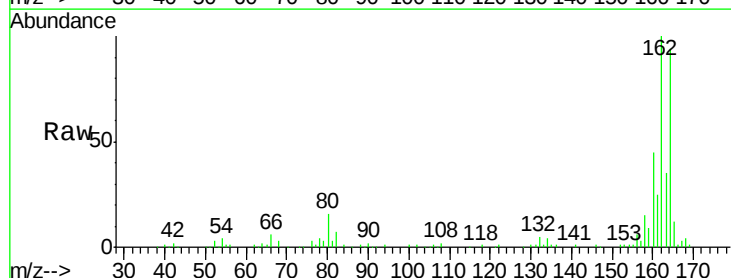
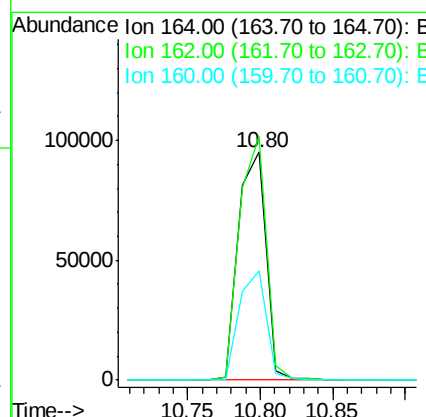
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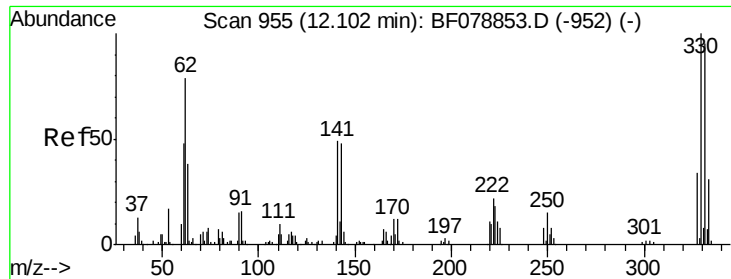
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.80 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: BF079455.D
 Acq: 23 May 2015 4:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.7	81.4	122.0
160	47.6	36.6	54.8





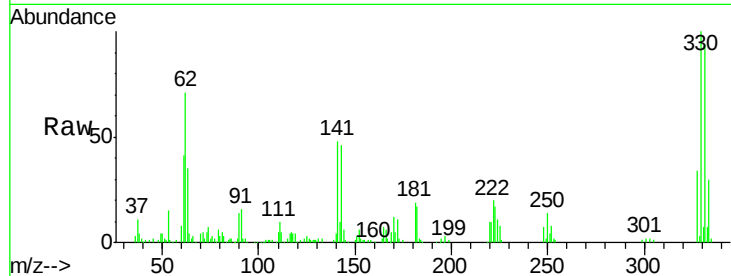
#41
 2,4,6-Tribromophenol
 Concen: 94.16 ng
 RT: 11.77 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BF079455.D
 Acq: 23 May 2015 4:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-27D

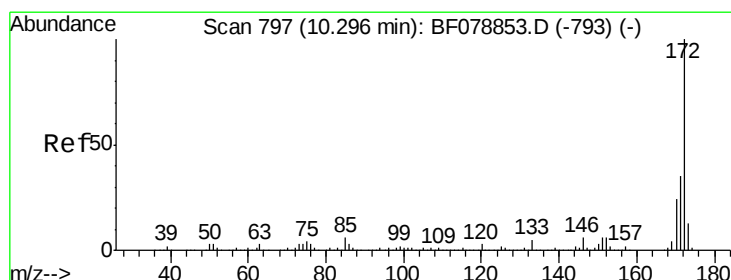
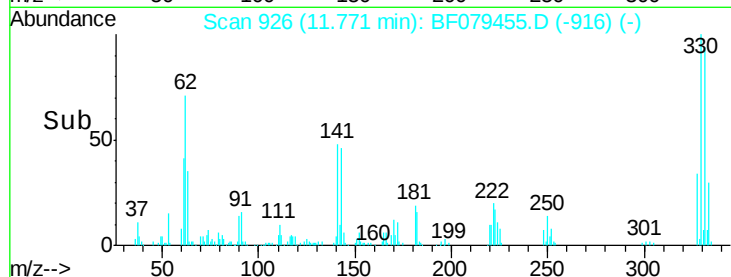
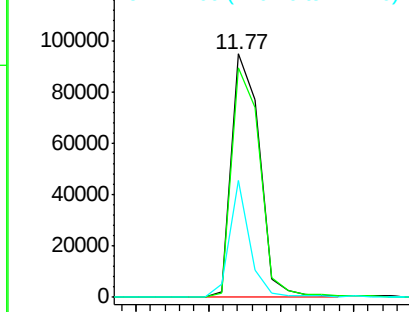
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.9	115.3
141	35.4	27.8	41.8

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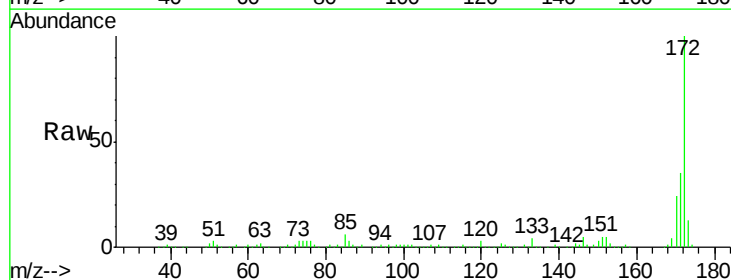


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

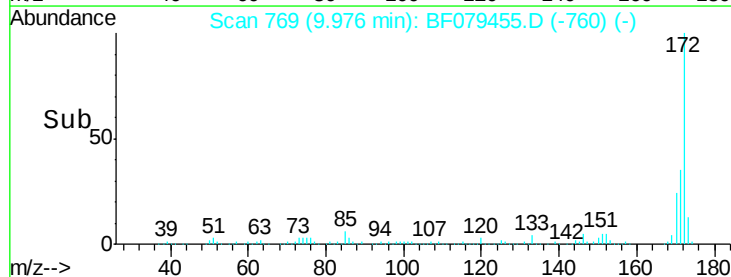
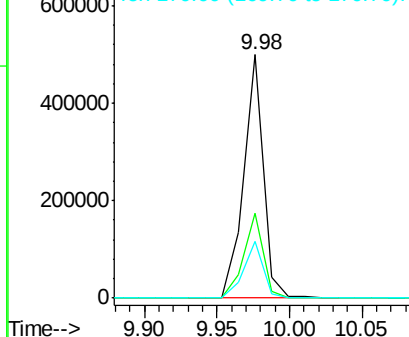


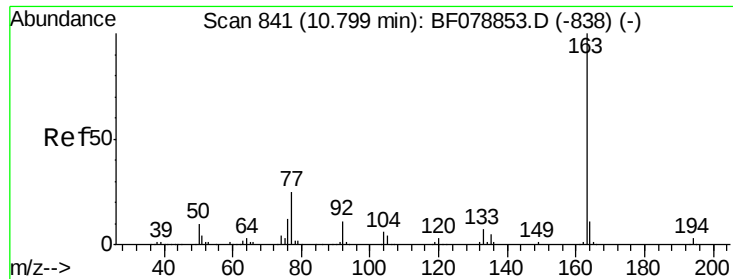
#44
 2-Fluorobiphenyl
 Concen: 52.23 ng
 RT: 9.98 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: BF079455.D
 Acq: 23 May 2015 4:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.3	42.5
170	23.5	19.4	29.2



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





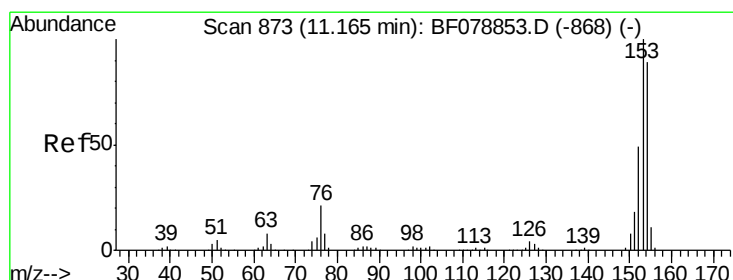
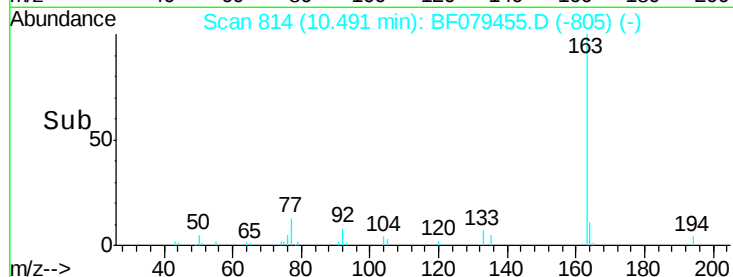
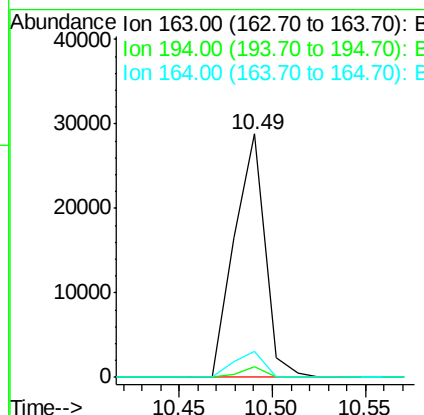
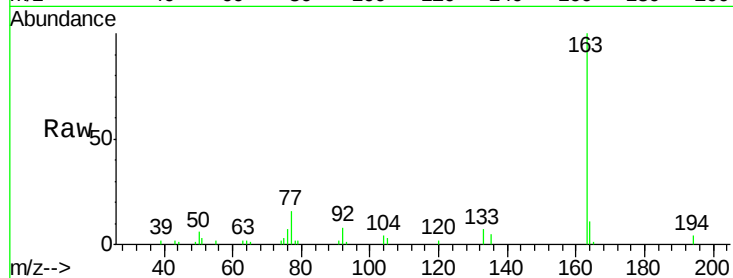
#49
Dimethylphthalate
Concen: 3.60 ng
RT: 10.49 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Instrument :
BNA_F
ClientSampleId :
SB-27D

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.4	3.6#
164	10.8	8.6	12.8

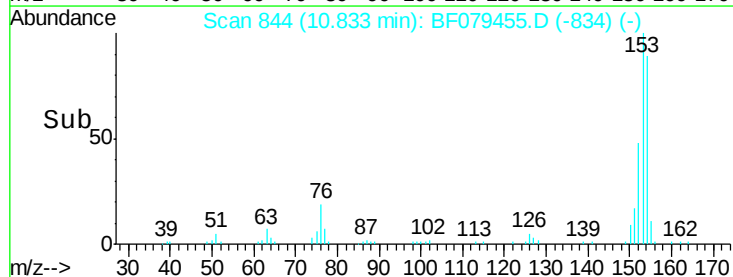
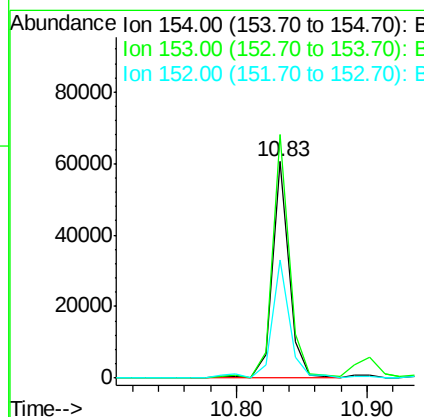
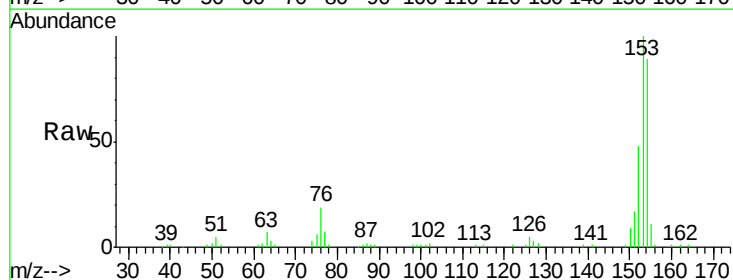
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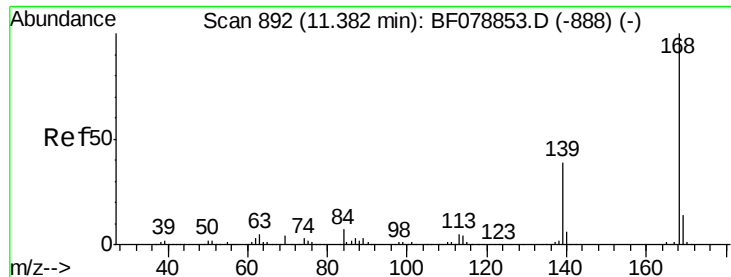
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#51
Acenaphthene
Concen: 7.14 ng
RT: 10.83 min Scan# 844
Delta R.T. -0.00 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.5	90.2	135.2
152	54.3	43.8	65.8





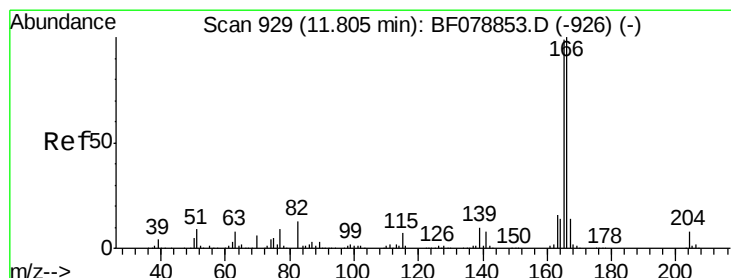
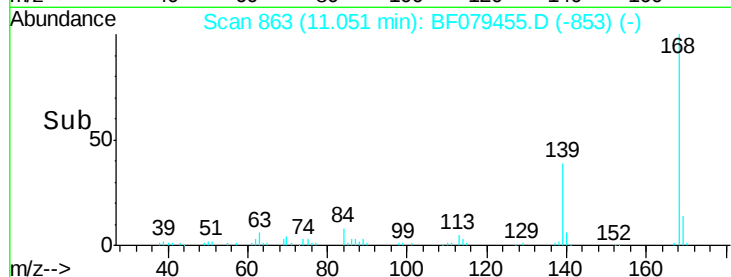
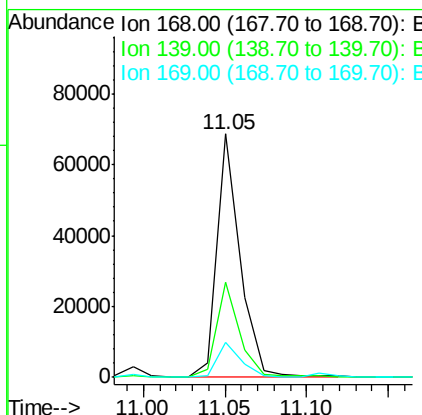
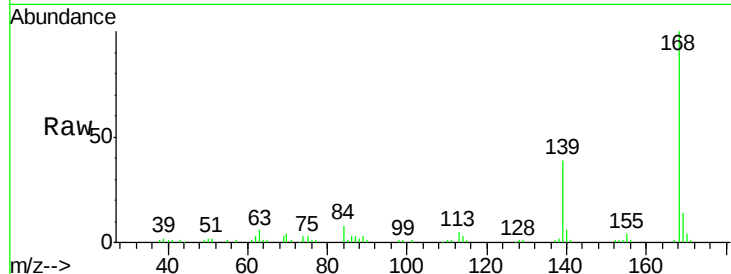
#54
Dibenzenofuran
Concen: 6.19 ng
RT: 11.05 min Scan# 863
Delta R.T. -0.00 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Instrument :
BNA_F
ClientSampleId :
SB-27D

Tot Ion	Ratio	Resp	Lower	Upper
168	100	68183		
139	39.0		31.5	47.3
169	14.3		11.0	16.4

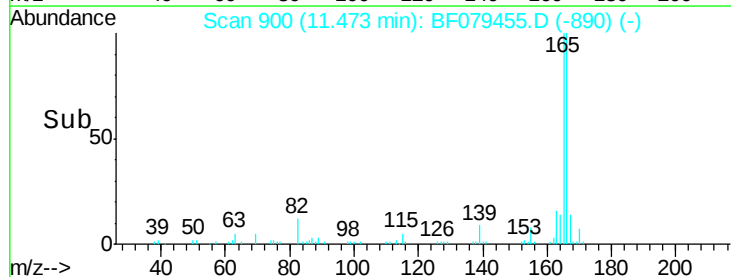
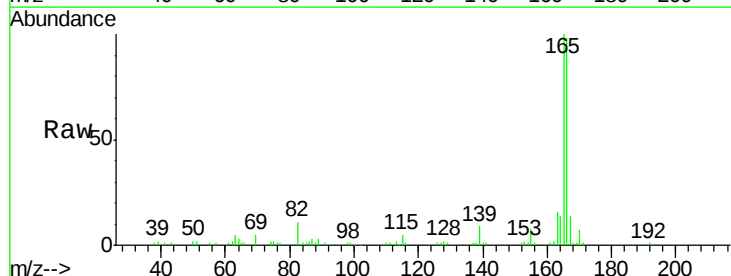
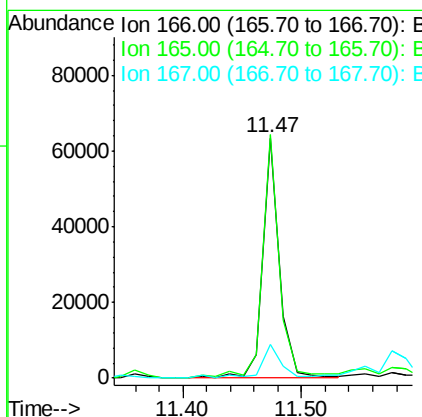
Manual Integrations
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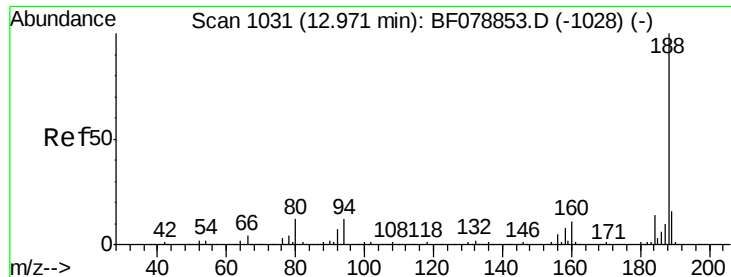
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5/27/2015 8:17:13 AM



#57
Fluorene
Concen: 6.91 ng
RT: 11.47 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	62471		
165	101.6		79.5	119.3
167	14.3		11.0	16.6





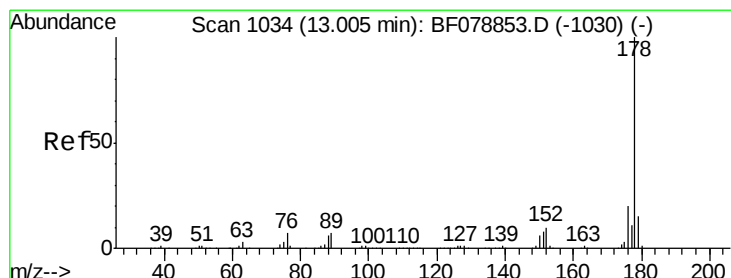
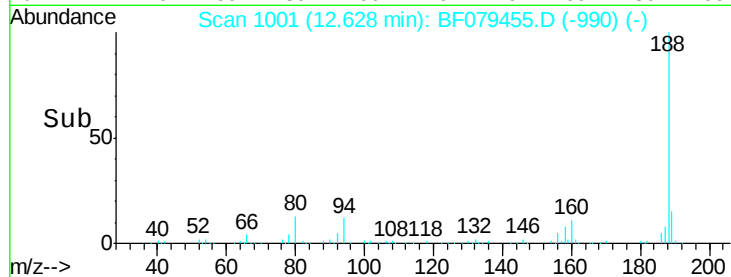
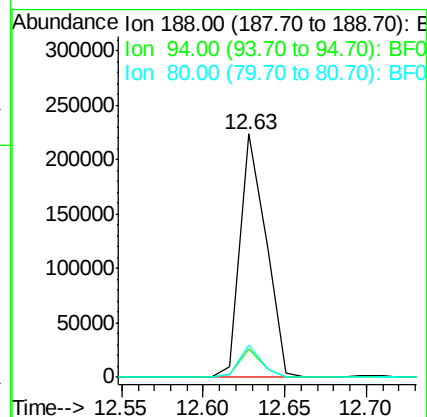
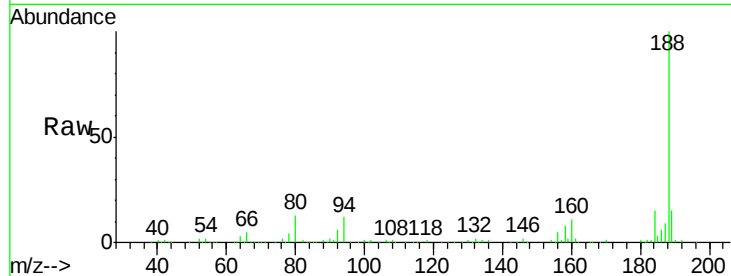
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.63 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: BF079455.D
 Acq: 23 May 2015 4:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-27D

Tot Ion	Ratio	Resp	Lower	Upper
188	100	244364		
94	12.0		9.4	14.0
80	13.3		9.8	14.6

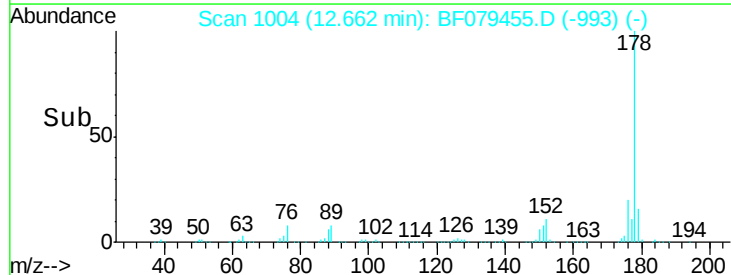
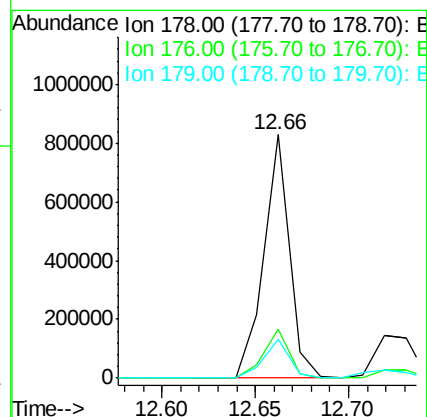
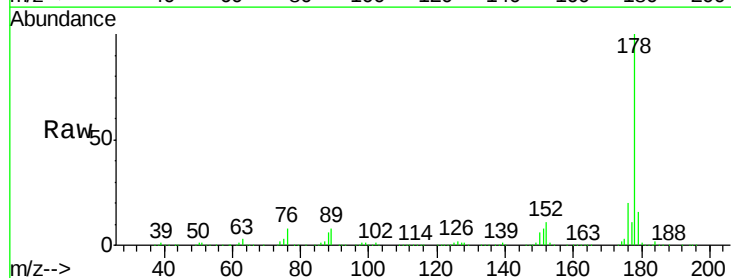
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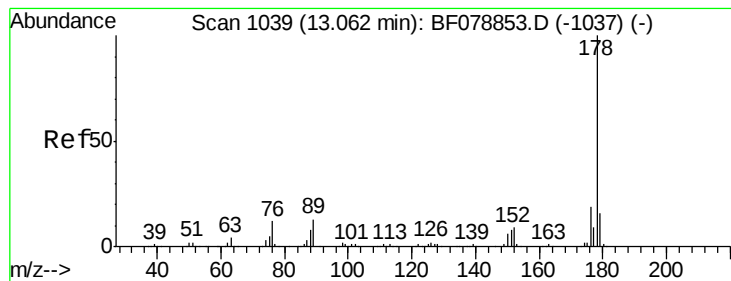
apatel
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#70
 Phenanthrene
 Concen: 57.31 ng
 RT: 12.66 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BF079455.D
 Acq: 23 May 2015 4:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	783416		
176	20.1		15.9	23.9
179	15.8		12.2	18.4





#71

Anthracene

Concen: 15.14 ng

RT: 12.72 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF079455.D

Acq: 23 May 2015 4:33

Instrument :

BNA_F

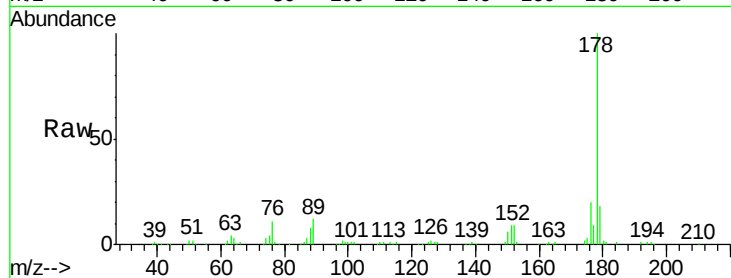
ClientSampleId :

SB-27D

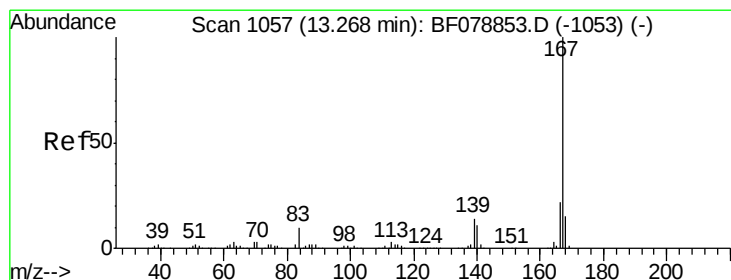
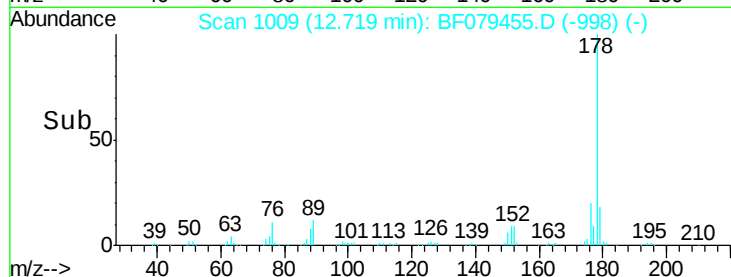
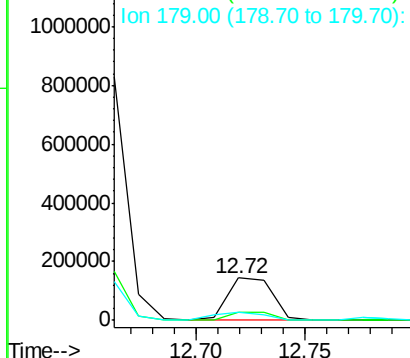
Tot Ion:	178	Resp:	203015
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.3	22.9
179	18.3	12.6	19.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 7.75 ng

RT: 12.94 min Scan# 1028

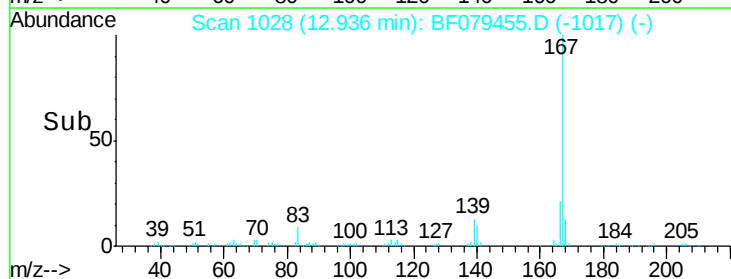
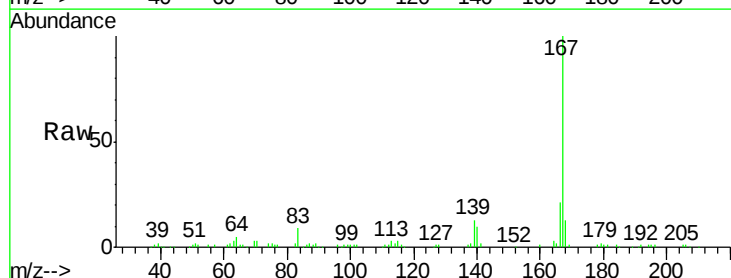
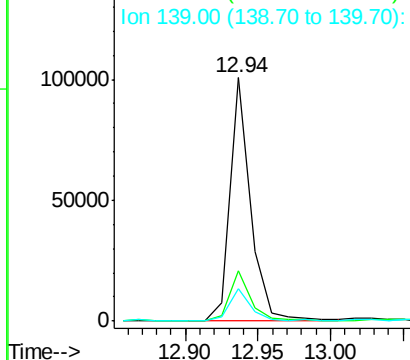
Delta R.T. -0.00 min

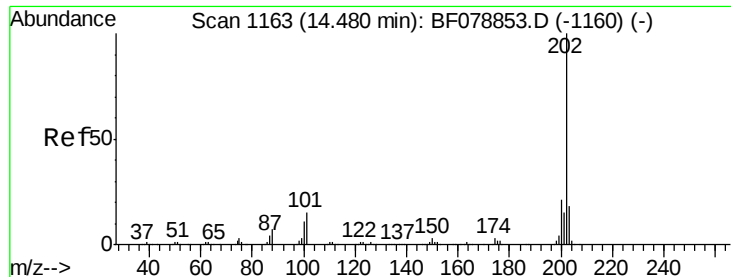
Lab File: BF079455.D

Acq: 23 May 2015 4:33

Tgt Ion:	167	Resp:	99031
Ion Ratio	Lower	Upper	
167	100		
166	20.9	17.5	26.3
139	13.3	11.0	16.4

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 50.92 ng

RT: 14.14 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF079455.D

Acq: 23 May 2015 4:33

Instrument :

BNA_F

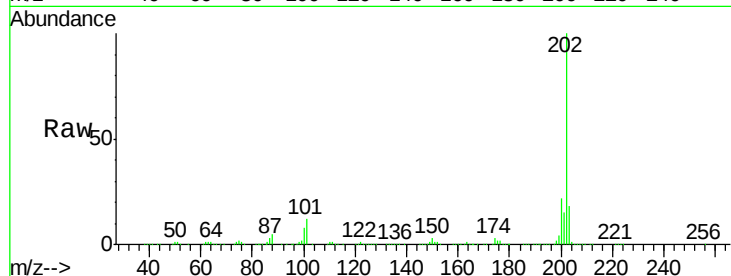
ClientSampled :

SB-27D

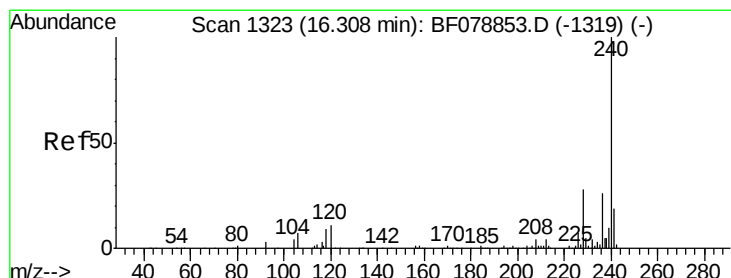
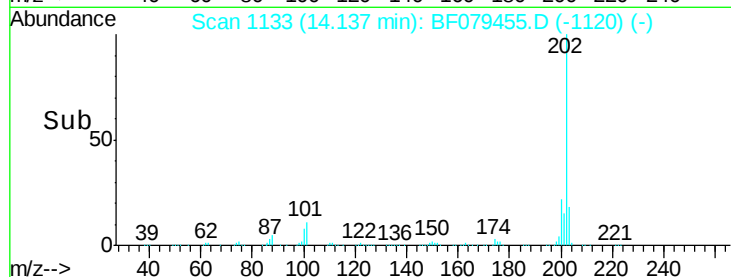
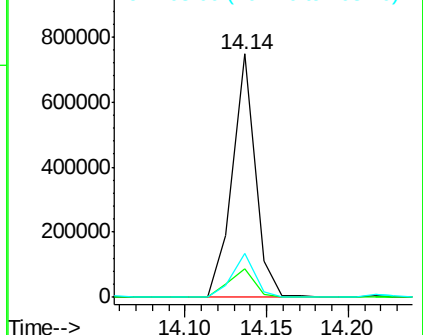
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	0.0	34.7
203	18.2	0.0	37.9

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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

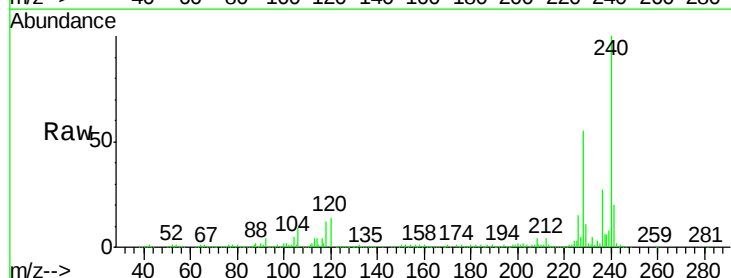
RT: 15.91 min Scan# 1288

Delta R.T. -0.00 min

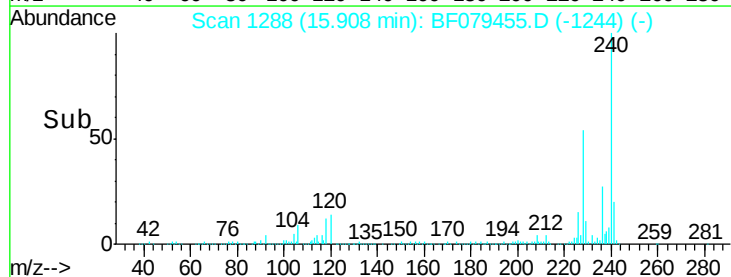
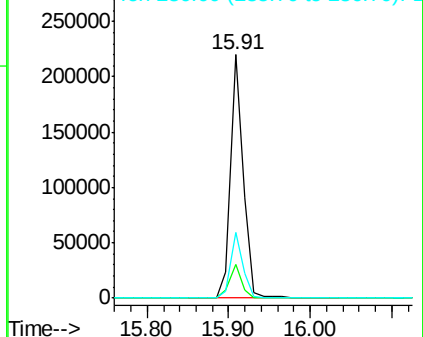
Lab File: BF079455.D

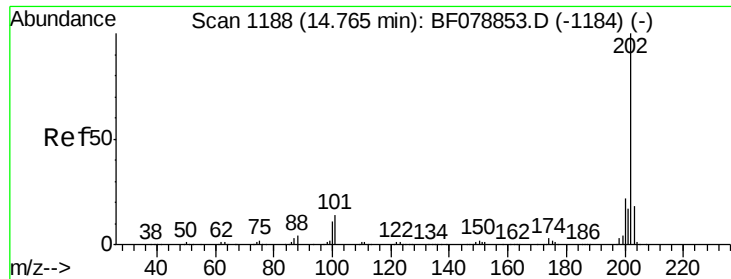
Acq: 23 May 2015 4:33

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.7	8.6	12.8#
236	26.8	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





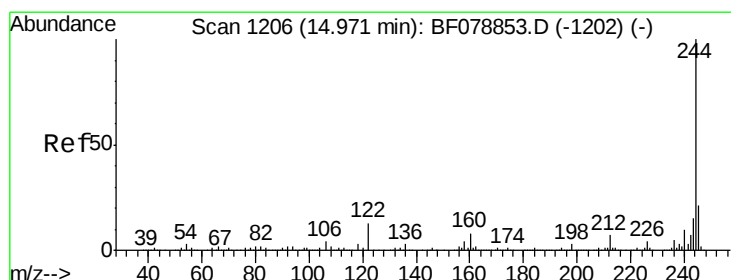
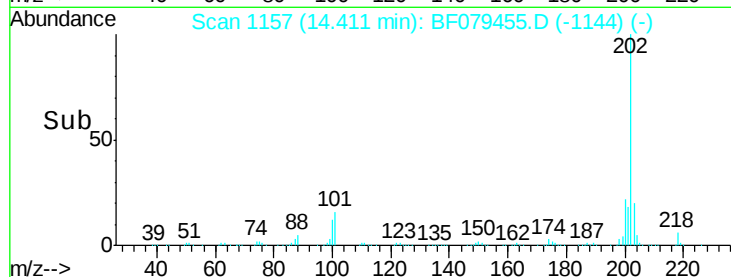
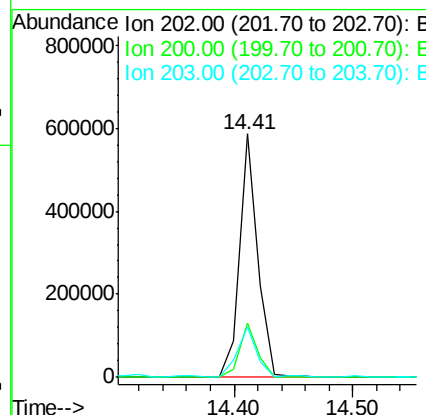
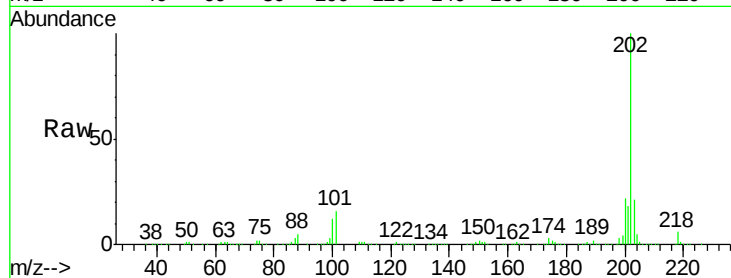
#77
Pvrene
Concen: 45.42 ng
RT: 14.41 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Instrument :
BNA_F
ClientSampleId :
SB-27D

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.1	17.5	26.3
203	20.7	14.7	22.1

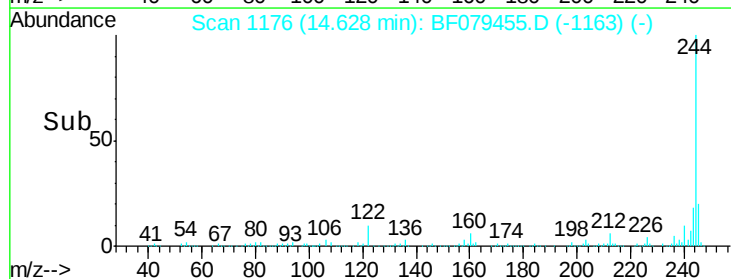
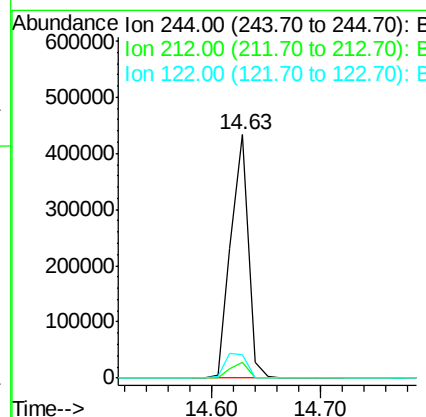
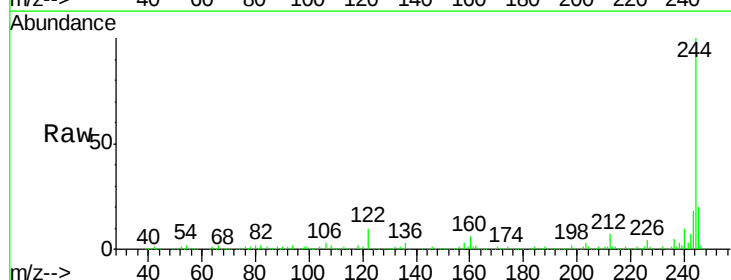
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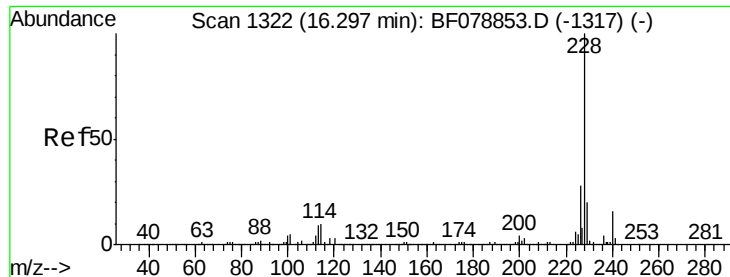
apatel
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#78
Terphenyl-d14
Concen: 48.62 ng
RT: 14.63 min Scan# 1176
Delta R.T. -0.00 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.6	8.4
122	9.7	10.5	15.7#





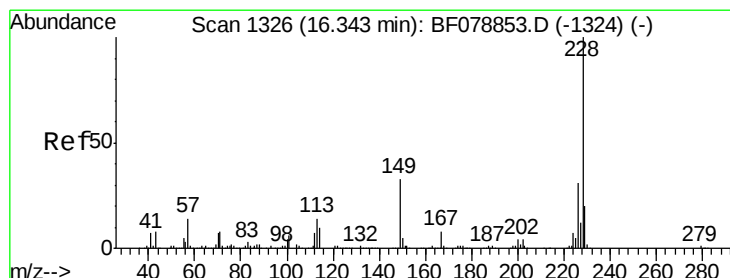
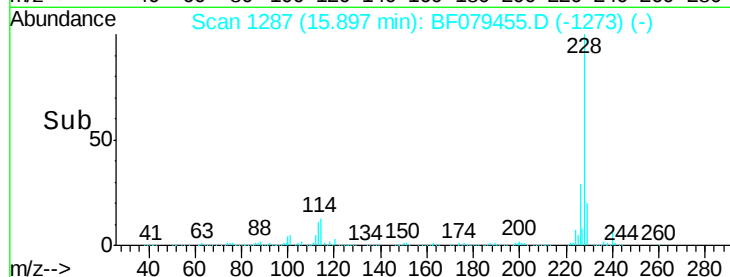
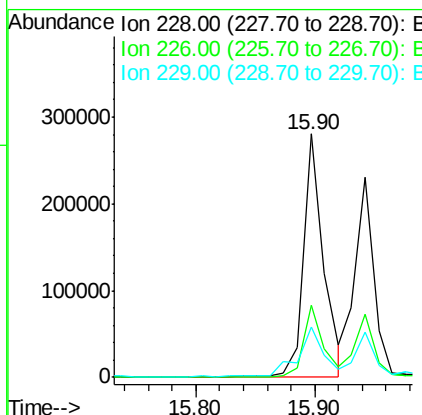
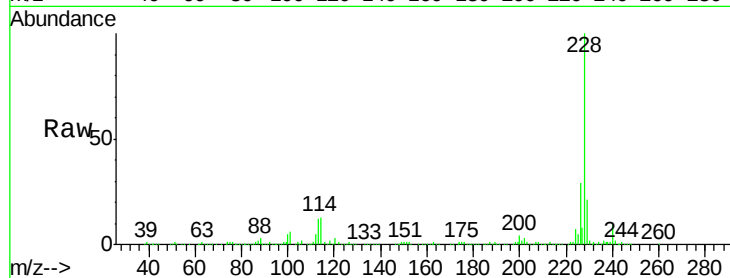
#80
Benzo(a)anthracene
Concen: 25.26 ng
RT: 15.90 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Instrument :
BNA_F
ClientSampleId :
SB-27D

Tot Ion	Ratio	Resp	Lower	Upper
228	100	328889		
226	29.4		22.3	33.5
229	20.5		16.1	24.1

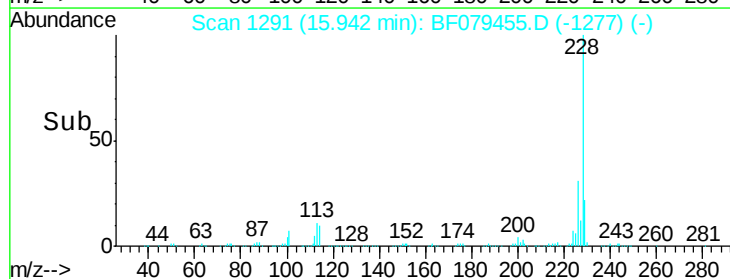
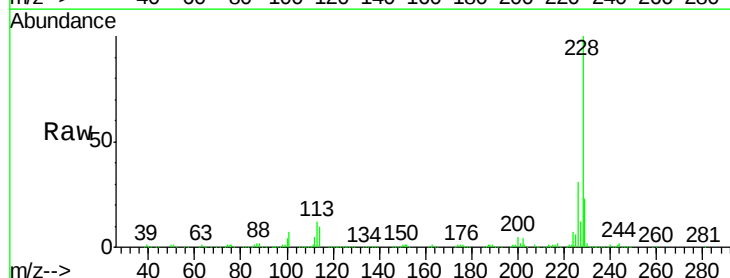
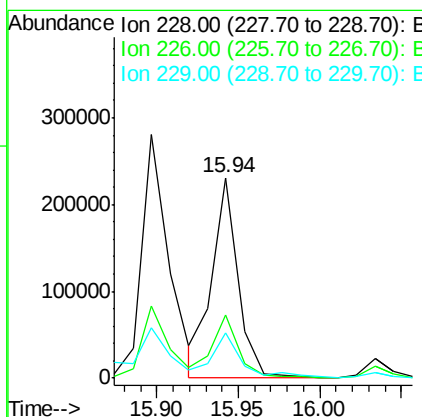
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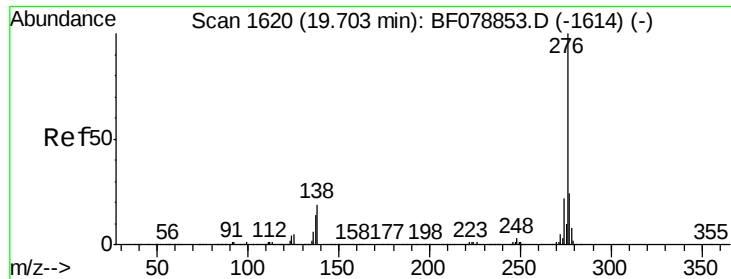
apatel
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#82
Chrysene
Concen: 20.34 ng
RT: 15.94 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	254640		
226	31.5		24.8	37.2
229	22.5		16.1	24.1





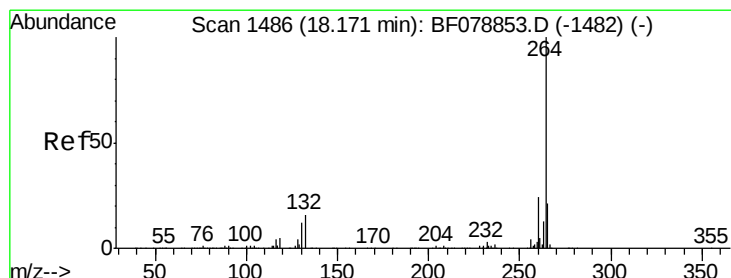
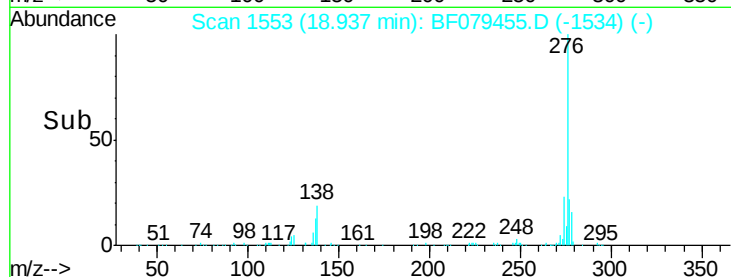
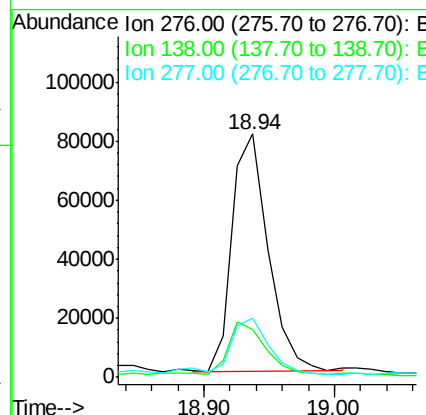
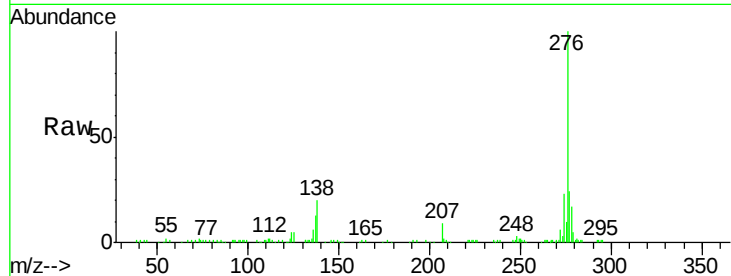
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.64 ng
RT: 18.94 min Scan# 1553
Delta R.T. 0.01 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Instrument :
BNA_F
ClientSampled :
SB-27D

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.2	21.1	31.7
277	26.5	19.9	29.9

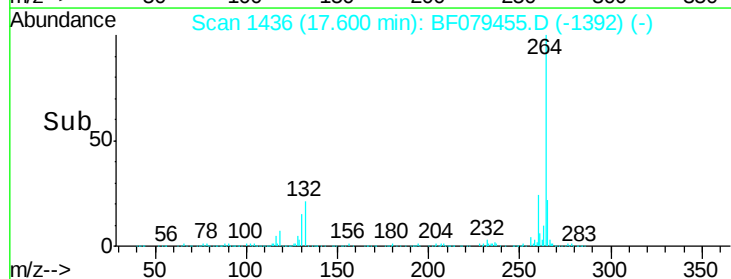
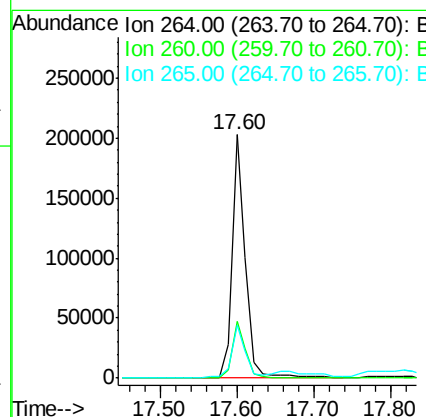
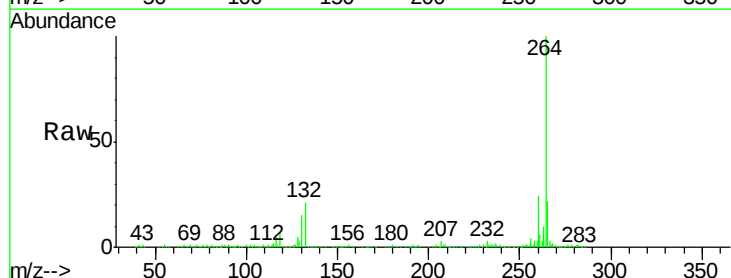
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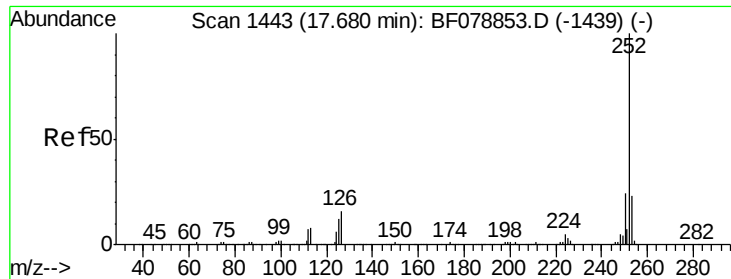
apatel
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#86
Perylene-d12
Concen: 20.00 ng
RT: 17.60 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.8	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 22.98 ng m

RT: 17.18 min Scan# 1399

Delta R.T. 0.01 min

Lab File: BF079455.D

Acq: 23 May 2015 4:33

Instrument :

BNA_F

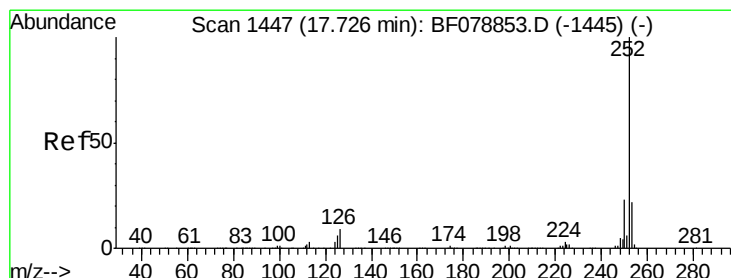
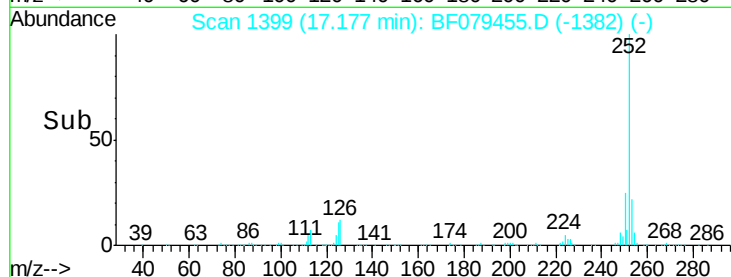
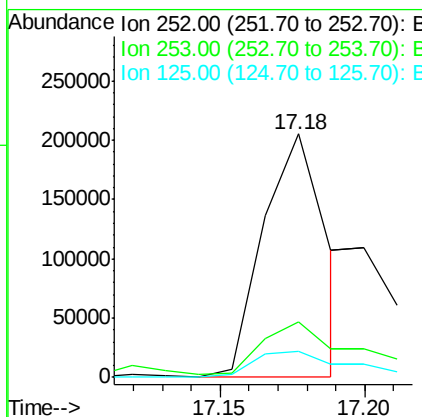
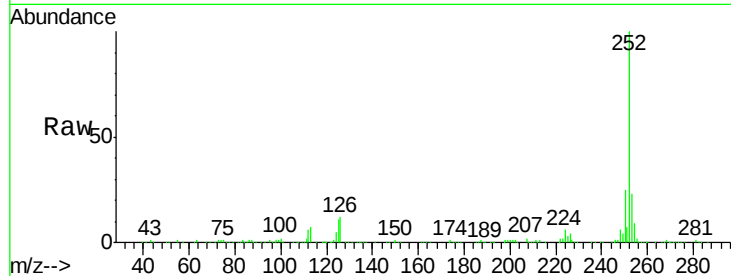
ClientSampleId :

SB-27D

Tot Ion:	252	Resp:	312963
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	10.9	9.4	14.2

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#88

Benzo(k)fluoranthene

Concen: 9.88 ng m

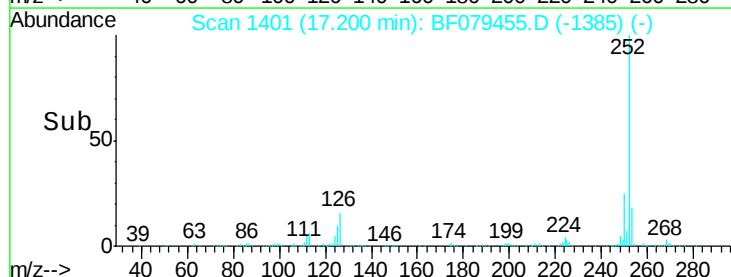
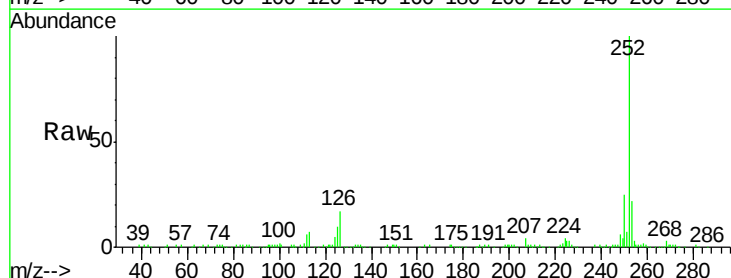
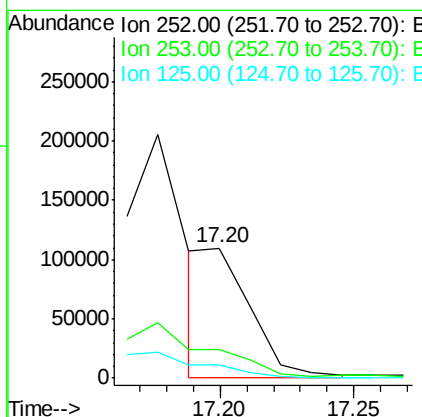
RT: 17.20 min Scan# 1401

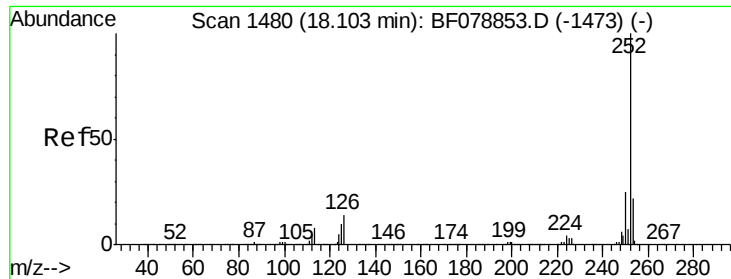
Delta R.T. -0.00 min

Lab File: BF079455.D

Acq: 23 May 2015 4:33

Tgt Ion:	252	Resp:	130194
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.4	26.0
125	10.4	6.1	9.1#





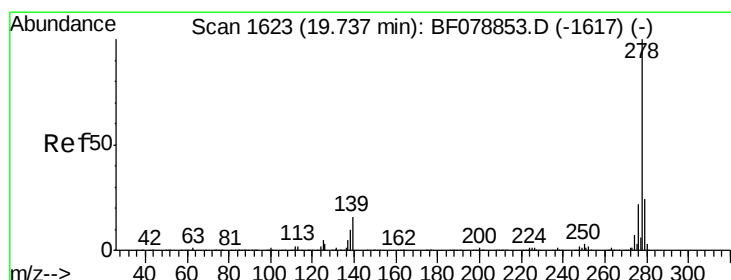
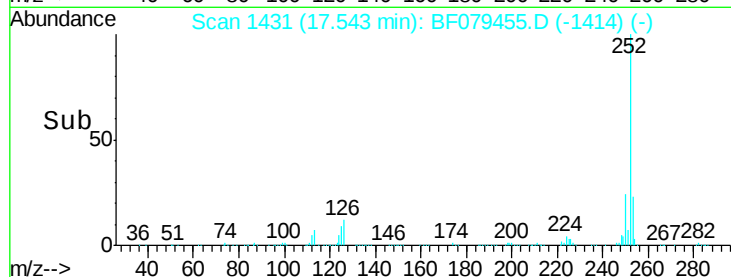
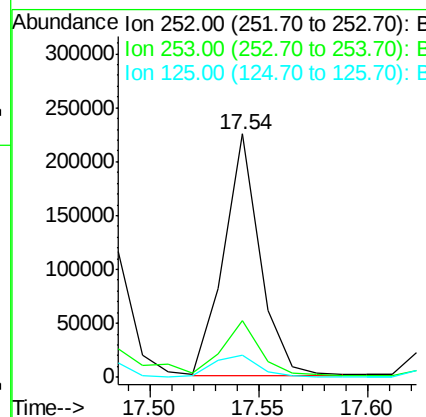
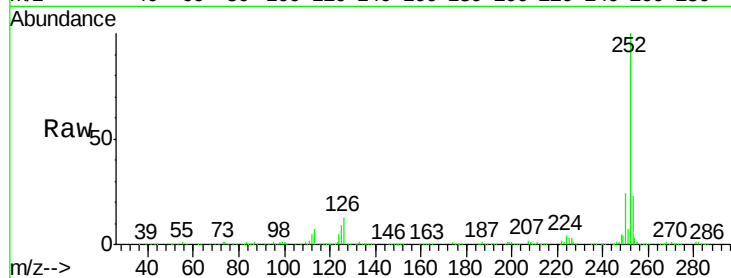
#89
Benzo(a)pyrene
Concen: 20.69 ng
RT: 17.54 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Instrument :
BNA_F
ClientSampleId :
SB-27D

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	18.0	27.0
125	9.3	8.2	12.2

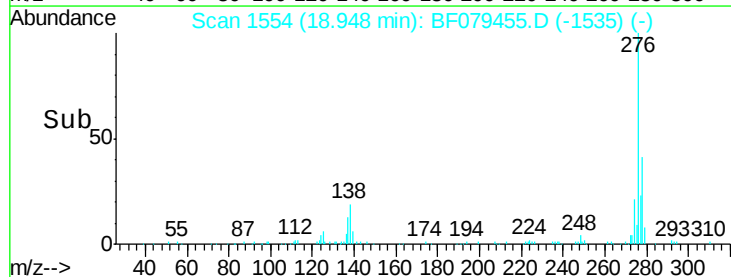
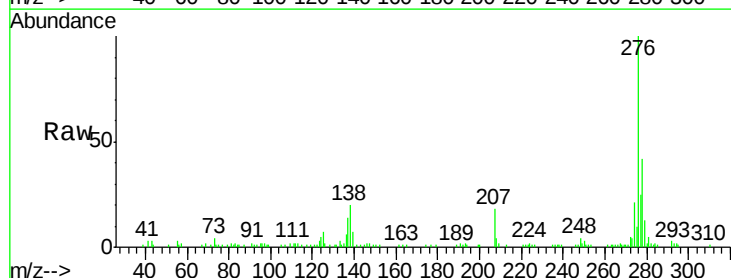
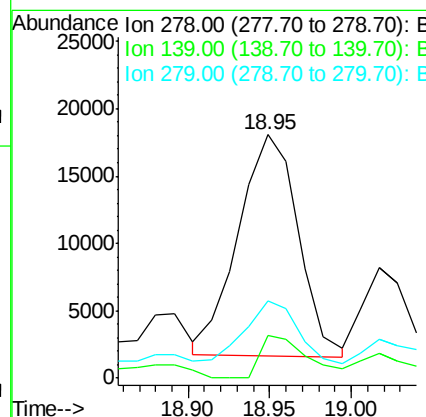
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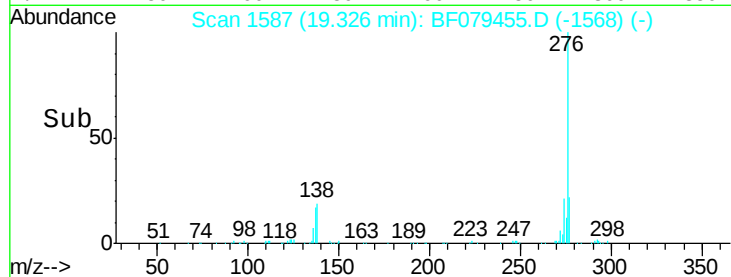
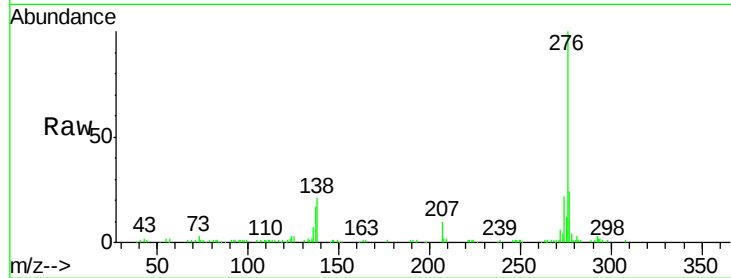
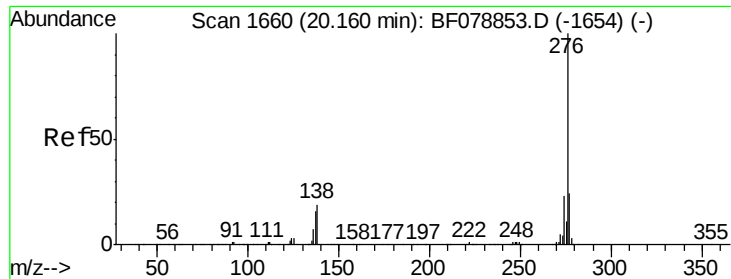
apatel
5/27/2015 8:17:13 AM



#90
Dibenzo(a,h)anthracene
Concen: 3.13 ng
RT: 18.95 min Scan# 1554
Delta R.T. 0.01 min
Lab File: BF079455.D
Acq: 23 May 2015 4:33

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	17.6	13.1	19.7
279	31.7	19.1	28.7#





#91

Benzo(a,h,i)perylene

Concen: 11.48 ng

RT: 19.33 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF079455.D

Acq: 23 May 2015 4:33

Instrument :

BNA_F

ClientSampleId :

SB-27D

Tot Ion:	276	Resp:	153266
Ion Ratio		Lower	Upper
276	100		
277	24.1	18.8	28.2
138	20.6	15.2	22.8

Manual Integrations
APPROVED

apatel
5/27/2015 8:17:13 AM

