

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079533.D
 Acq On : 27 May 2015 22:23
 Operator : TP/IZ
 Sample : G2359-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-27D

Manual Integrations
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Quant Time: May 28 01:49:54 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 00:48:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	79909	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	329628	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	163282	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	308987	20.00	ng	0.00
75) Chrysene-d12	15.86	240	325537	20.00	ng	-0.08
86) Perylene-d12	17.53	264	351157	20.00	ng	-0.35
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	436635m	94.77	ng	0.00
7) Phenol-d6	6.60	99	576694m	98.21	ng	0.01
23) Nitrobenzene-d5	7.70	82	332929	58.38	ng	0.00
41) 2,4,6-Tribromophenol	11.73	330	170487	95.06	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	591952	51.72	ng	0.00
78) Terphenyl-d14	14.57	244	640591	46.18	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.60	128	97543	6.17	ng	99
37) 2-Methylnaphthalene	9.46	142	35475	3.23	ng	97
48) Acenaphthylene	10.57	152	37644	2.25	ng	99
49) Dimethylphthalate	10.43	163	46402	3.86	ng	99
51) Acenaphthene	10.79	154	67973	7.11	ng	99
54) Dibenzofuran	11.00	168	84512	5.99	ng	94
57) Fluorene	11.43	166	80387	6.92	ng	99
70) Phenanthrene	12.62	178	973866	57.45	ng	100
71) Anthracene	12.67	178	265171	15.41	ng	99
72) Carbazole	12.89	167	126870	7.66	ng	97
74) Fluoranthene	14.08	202	938865	51.65	ng	93
77) Pyrene	14.37	202	813433	40.33	ng	100
80) Benzo(a)anthracene	15.85	228	487986	26.06	ng	99
82) Chrysene	15.89	228	326828	18.36	ng	97
85) Indeno(1,2,3-cd)pyrene	18.83	276	234028m	10.22	ng	
87) Benzo(b)fluoranthene	17.11	252	525230m	26.23	ng	
88) Benzo(k)fluoranthene	17.14	252	112907m	6.30	ng	
89) Benzo(a)pyrene	17.47	252	374696	20.28	ng	99
91) Benzo(g,h,i)perylene	19.21	276	215526	9.99	ng	97

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

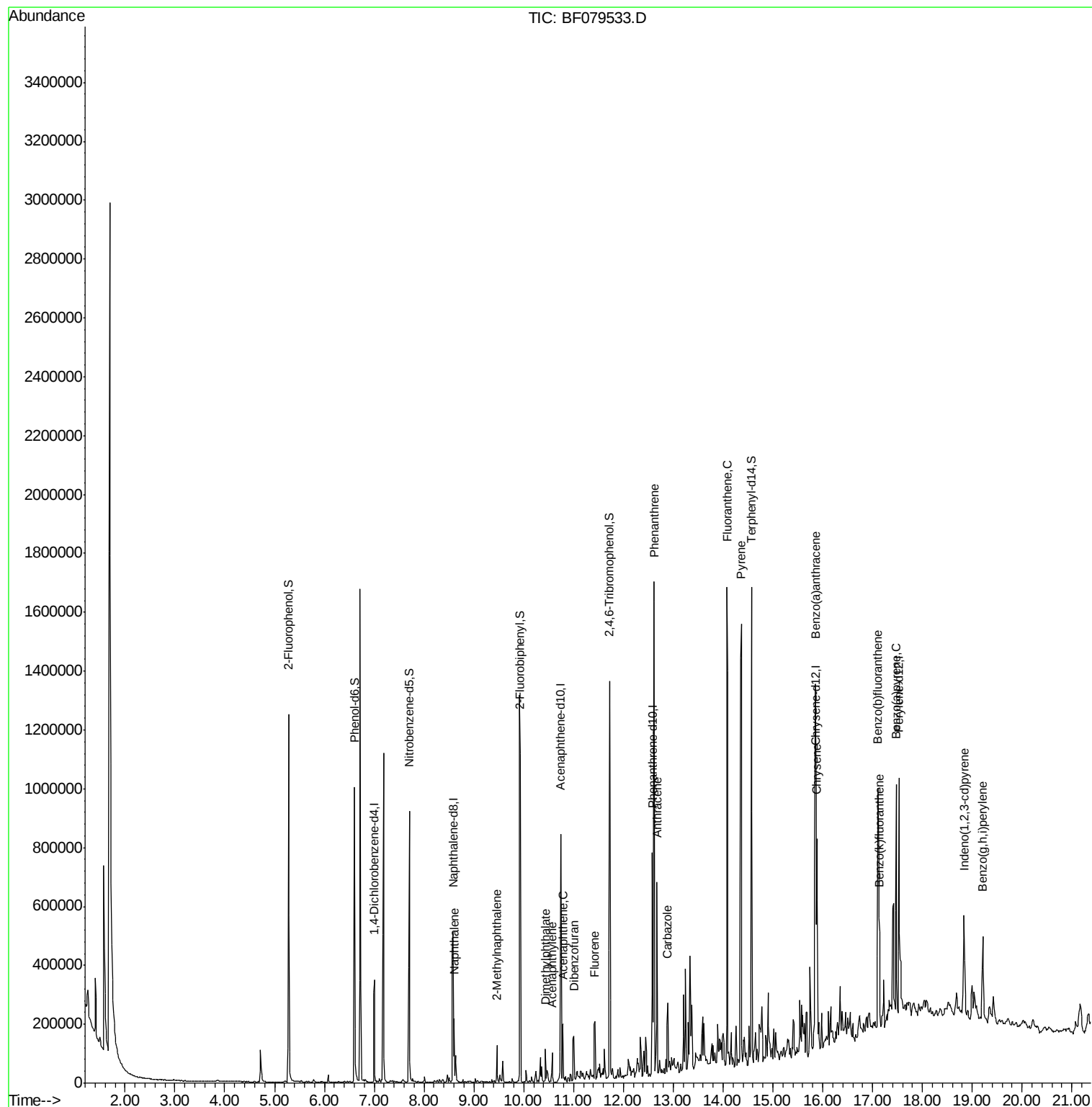
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
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#1

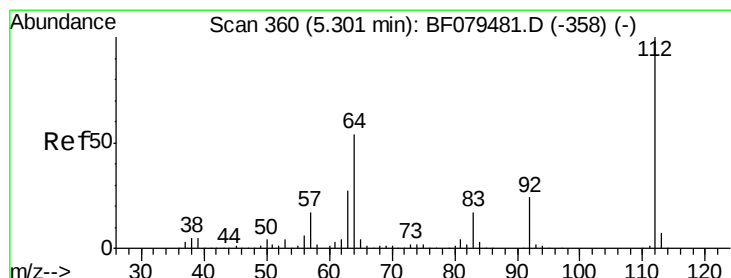
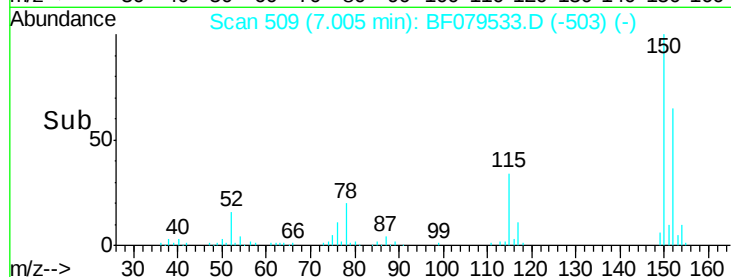
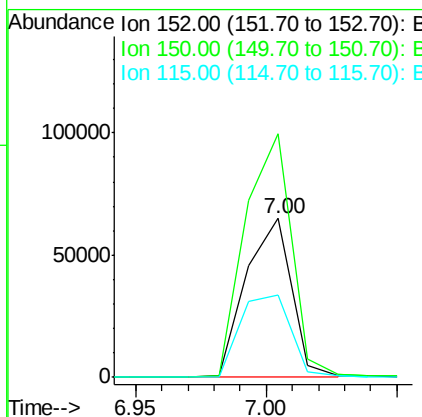
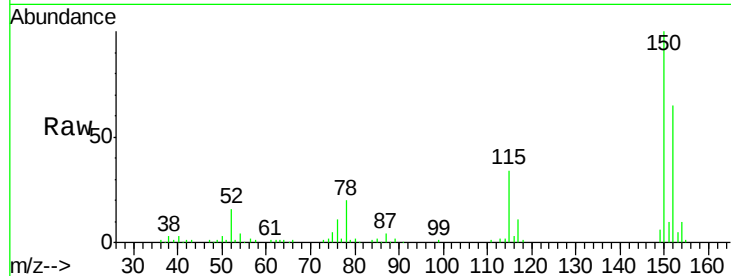
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Instrument :
BNA_F
ClientSampleId :
SB-27D

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	79909		
150	153.1	124.0	186.0	
115	51.9	49.6	74.4	

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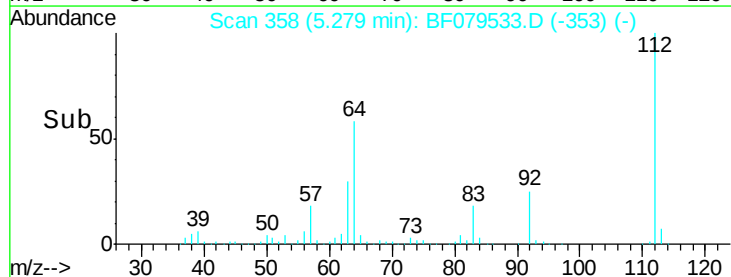
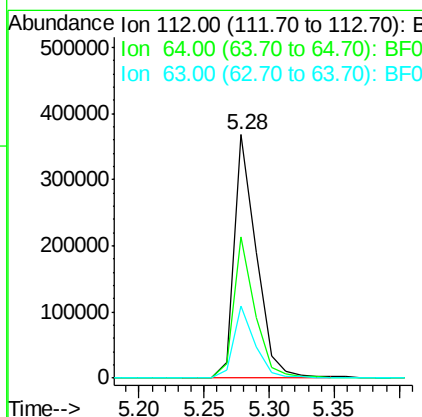
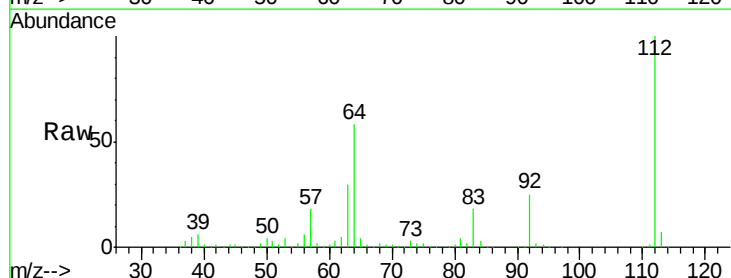
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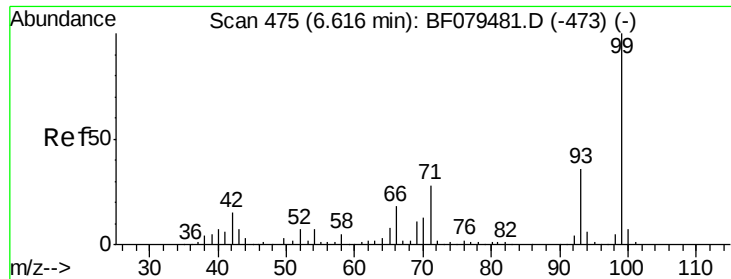


#5

2-Fluorophenol
Concen: 94.77 ng m
RT: 5.28 min Scan# 358
Delta R.T. -0.00 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	436635		
64	58.3	43.5	65.3	
63	29.7	21.8	32.8	





#7

Phenol-d6

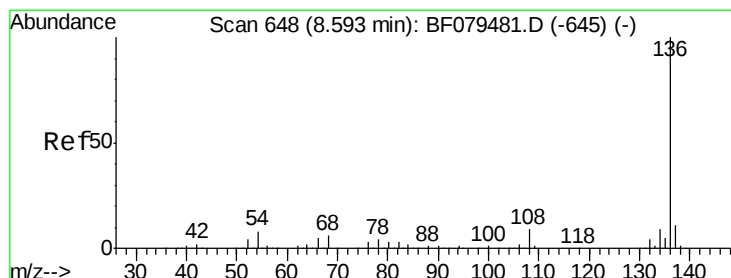
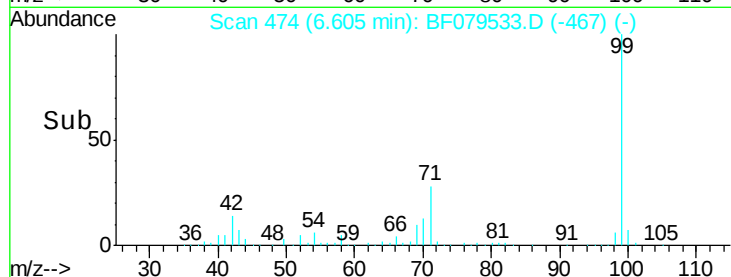
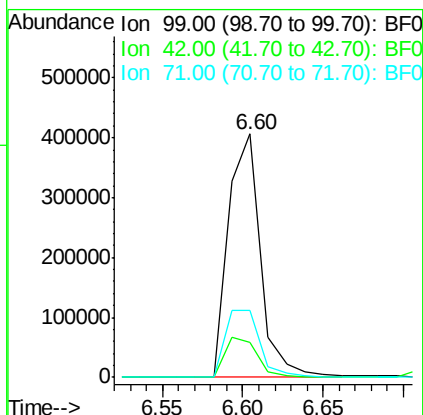
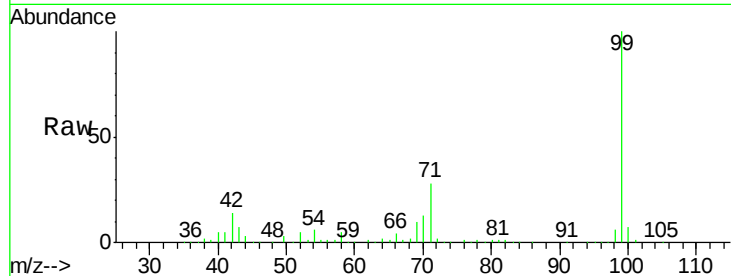
Concen: 98.21 ng m
RT: 6.60 min Scan# 474
Delta R.T. 0.01 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Instrument :
BNA_F
ClientSampled :
SB-27D

Tgt Ion	Ratio	Resp	Lower	Upper
99	100	576694		
42	14.2	11.9	17.9	
71	27.8	22.1	33.1	

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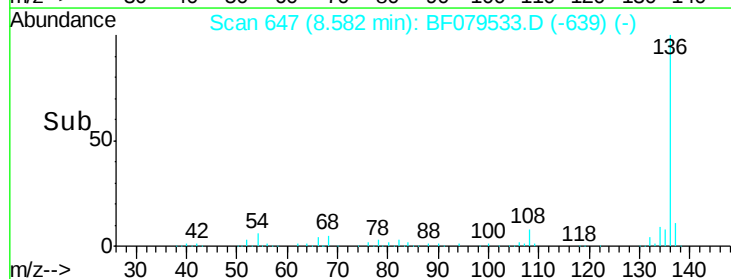
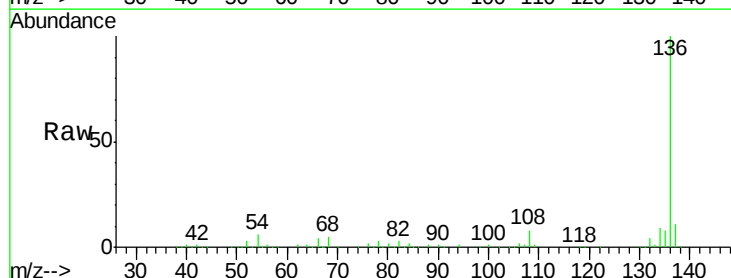
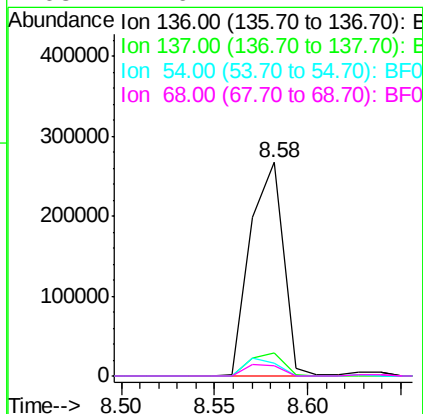


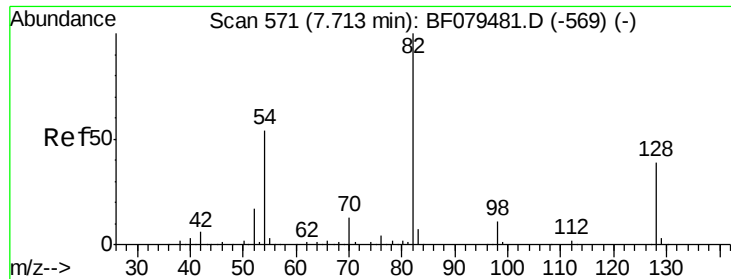
#21

Naphthalene-d8

Concen: 20.00 ng
RT: 8.58 min Scan# 647
Delta R.T. -0.00 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	329628		
137	10.8	8.5	12.7	
54	5.8	6.6	9.8#	
68	4.6	4.7	7.1#	





#23

Nitrobenzene-d5

Concen: 58.38 ng

RT: 7.70 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA_F

ClientSampled :

SB-27D

Tgt Ion: 82 Resp: 332929
Ion Ratio Lower Upper

82 100

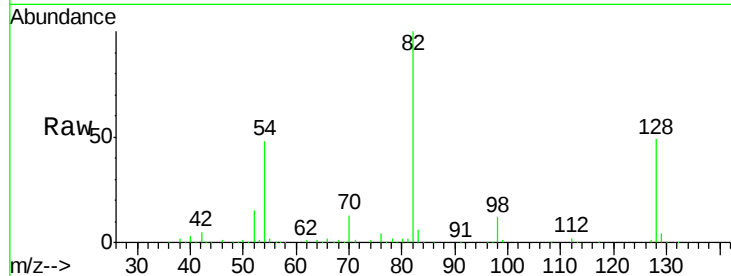
128 49.1 30.8 46.2#

54 47.6 42.8 64.2

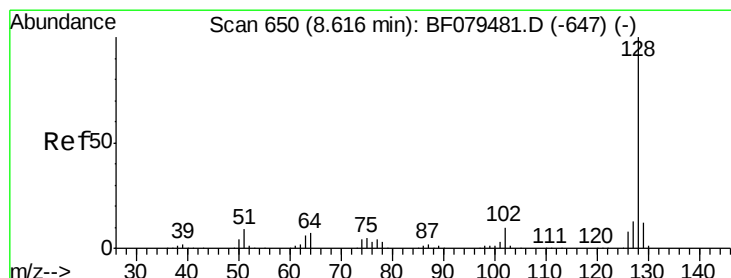
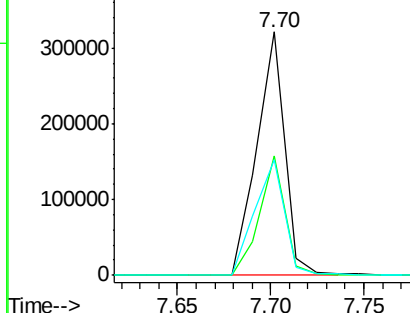
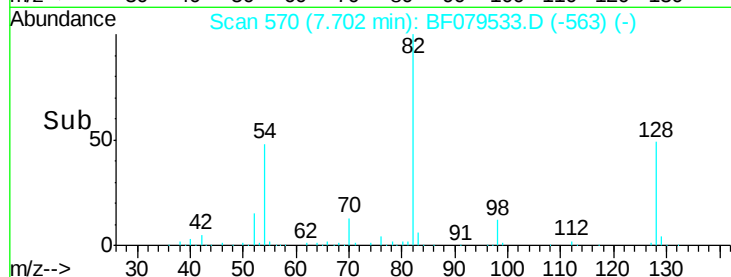
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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 6.17 ng

RT: 8.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BF079533.D

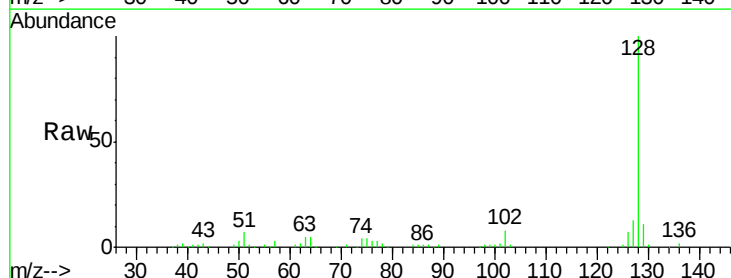
Acq: 27 May 2015 22:23

Tgt Ion: 128 Resp: 97543
Ion Ratio Lower Upper

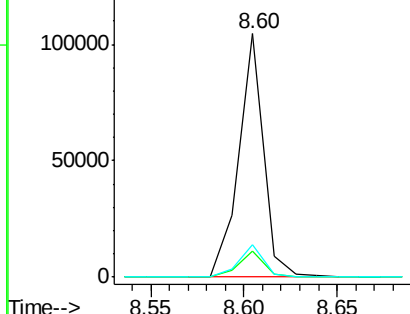
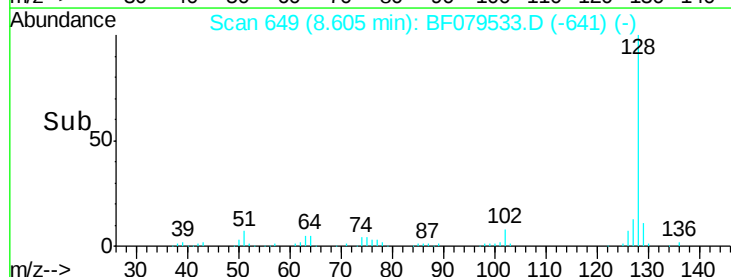
128 100

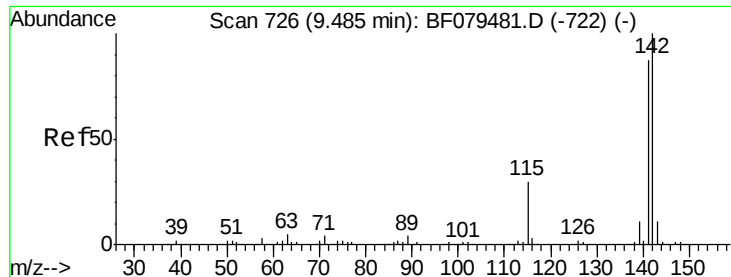
129 10.6 9.3 13.9

127 13.1 10.6 15.8



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





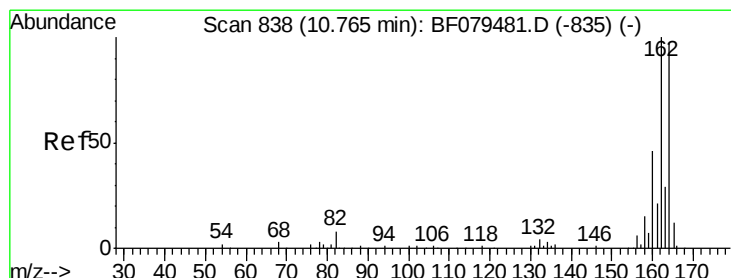
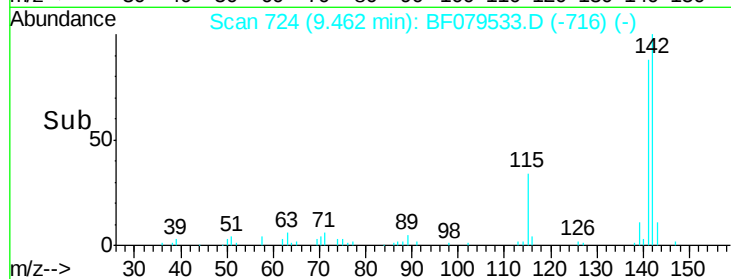
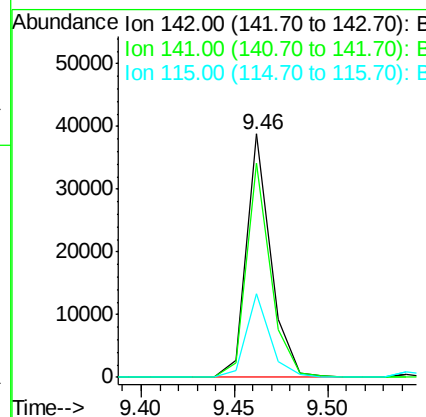
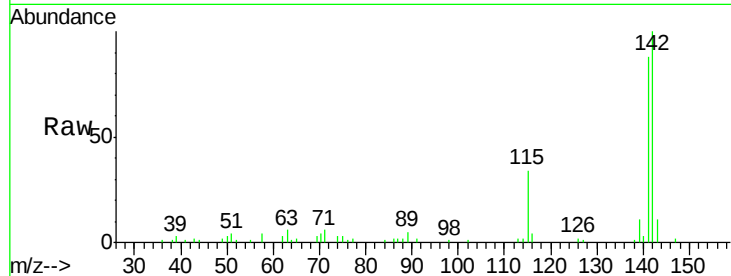
#37
 2-Methylnaphthalene
 Concen: 3.23 ng
 RT: 9.46 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: BF079533.D
 Acq: 27 May 2015 22:23

Instrument :
 BNA_F
 ClientSampleID :
 SB-27D

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.5	104.3
115	34.2	23.8	35.6

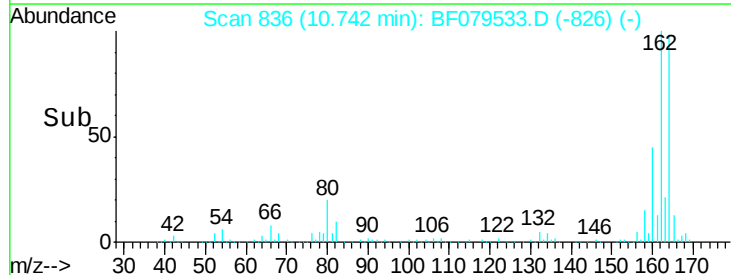
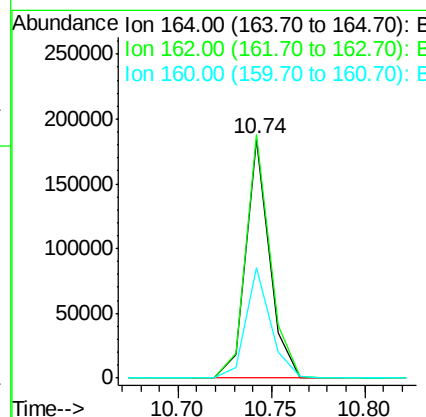
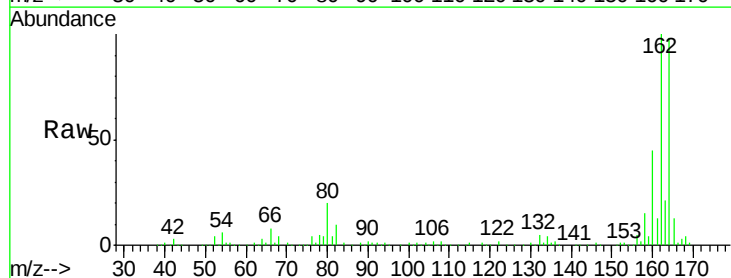
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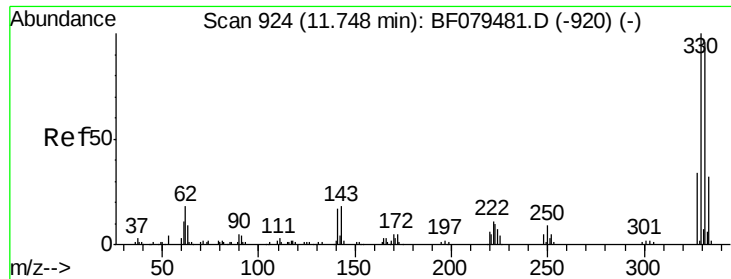
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.74 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF079533.D
 Acq: 27 May 2015 22:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	82.6	124.0
160	46.2	37.7	56.5





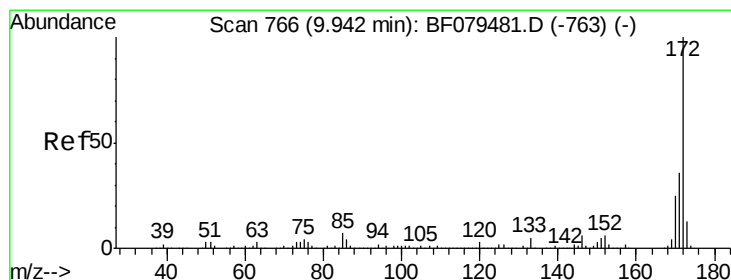
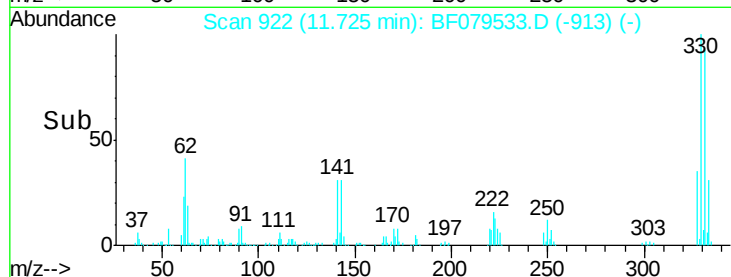
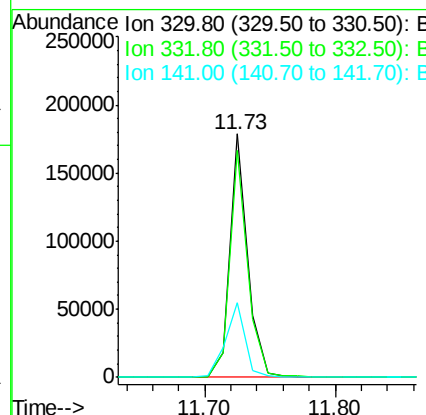
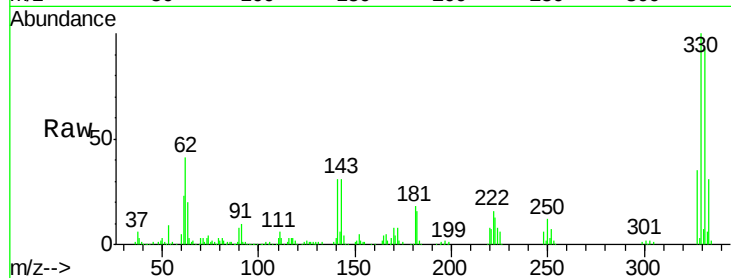
#41
 2,4,6-Tribromophenol
 Concen: 95.06 ng
 RT: 11.73 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079533.D
 Acq: 27 May 2015 22:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-27D

Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	93.6	0.0	0.0#
141	34.8	0.0	0.0#

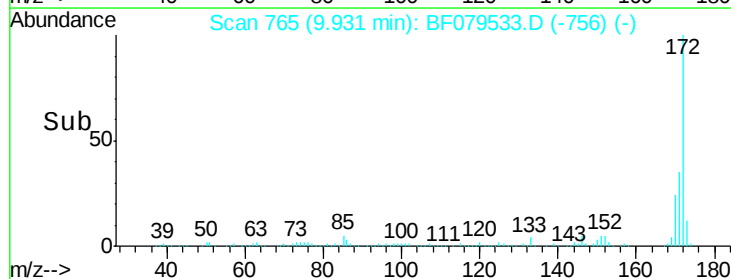
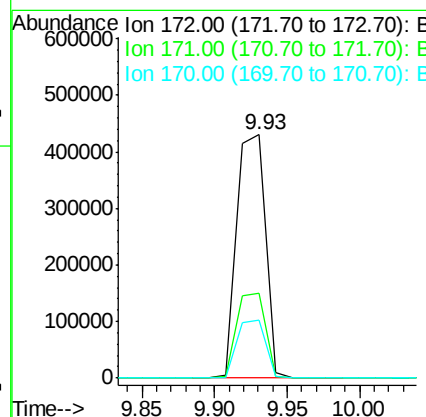
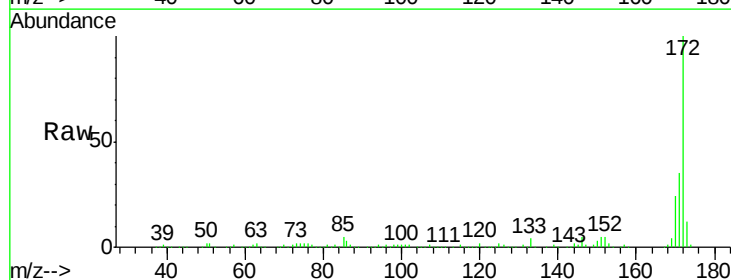
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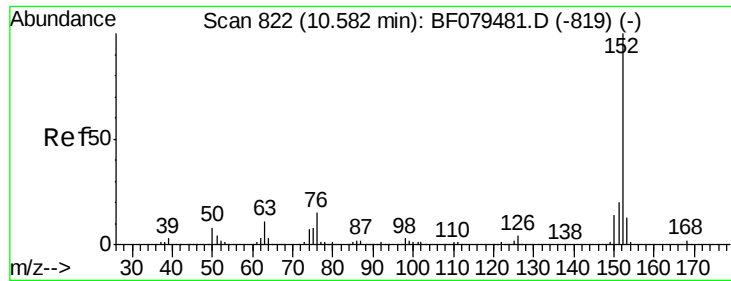
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#44
 2-Fluorobiphenyl
 Concen: 51.72 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF079533.D
 Acq: 27 May 2015 22:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.8	28.5	42.7
170	23.9	19.7	29.5





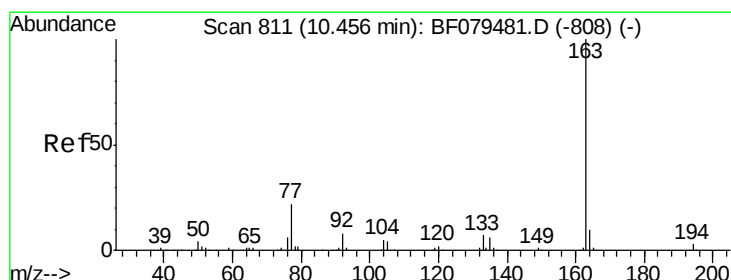
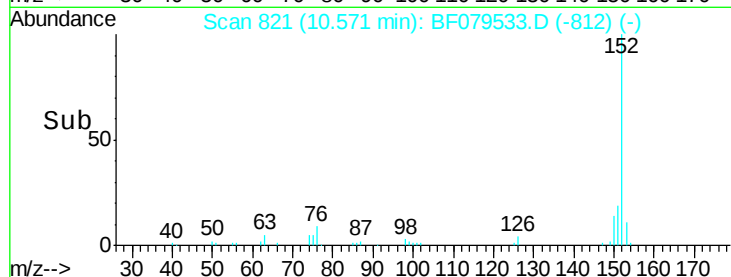
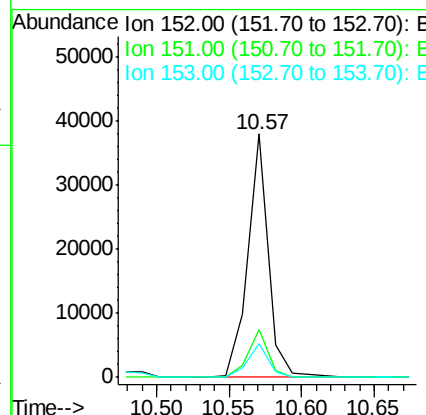
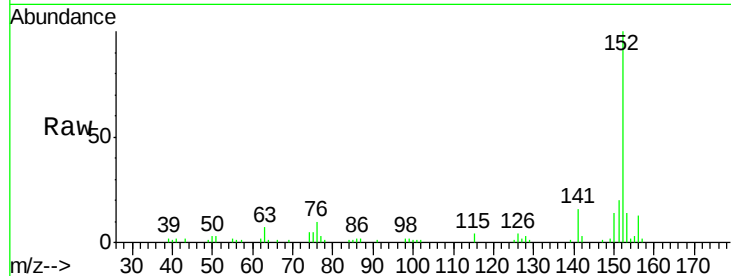
#48
Acenaphthylene
Concen: 2.25 ng
RT: 10.57 min Scan# 821
Delta R.T. -0.00 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Instrument :
BNA_F
ClientSampleId :
SB-27D

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.8	10.7	16.1

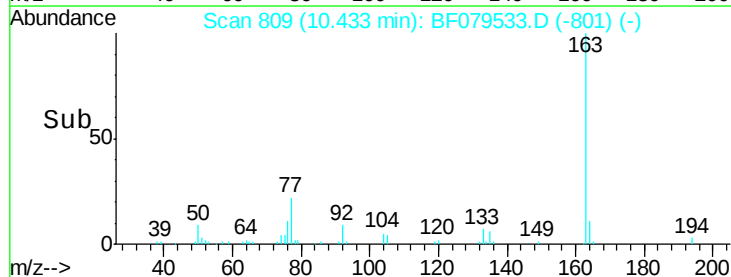
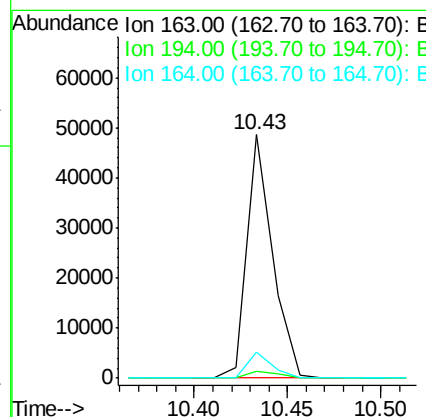
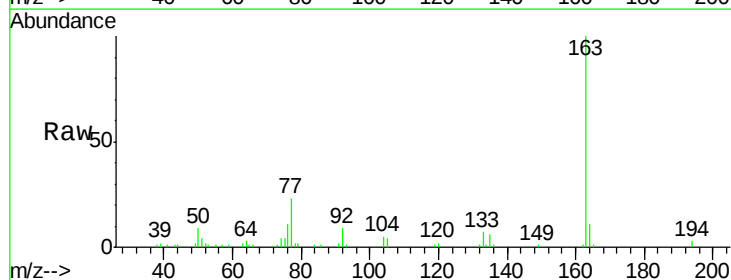
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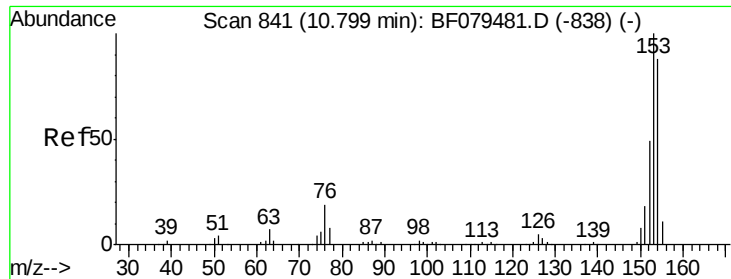
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#49
Dimethylphthalate
Concen: 3.86 ng
RT: 10.43 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.6	2.4	3.6
164	10.8	8.2	12.4





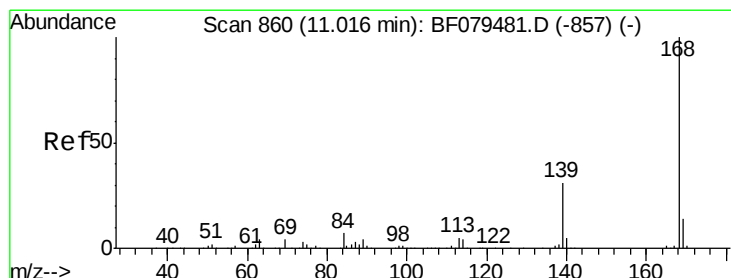
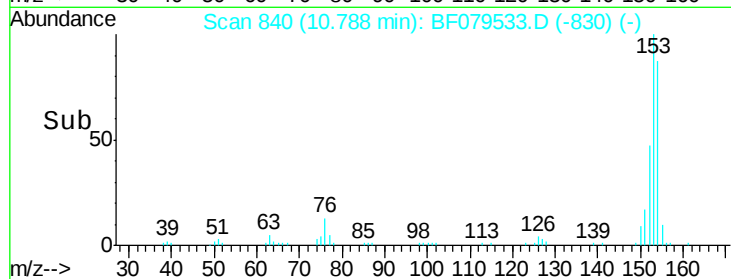
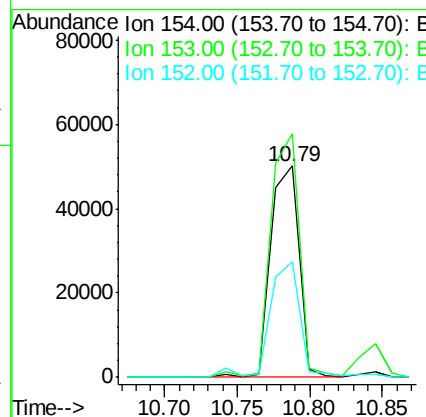
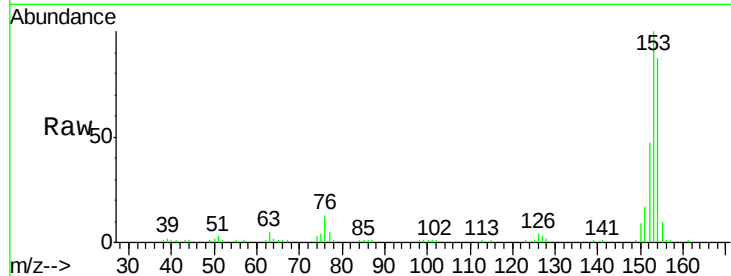
#51
Acenaphthene
Concen: 7.11 ng
RT: 10.79 min Scan# 840
Delta R.T. -0.00 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Instrument :
BNA_F
ClientSampleId :
SB-27D

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	67973		
153	115.3	91.1	136.7	
152	54.5	44.6	66.8	

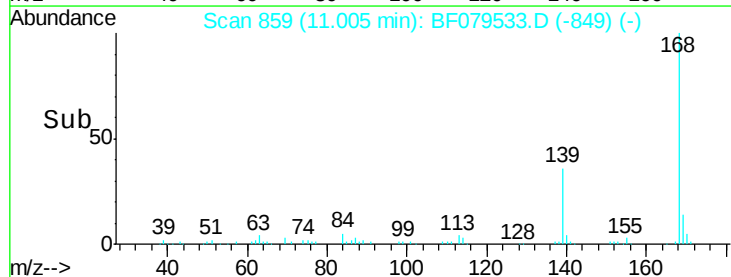
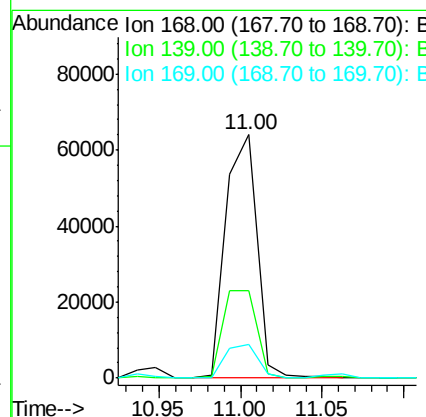
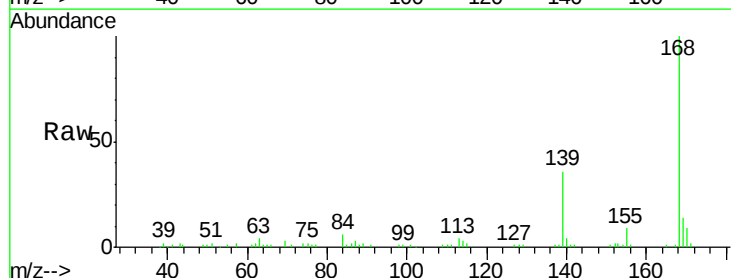
Manual Integrations
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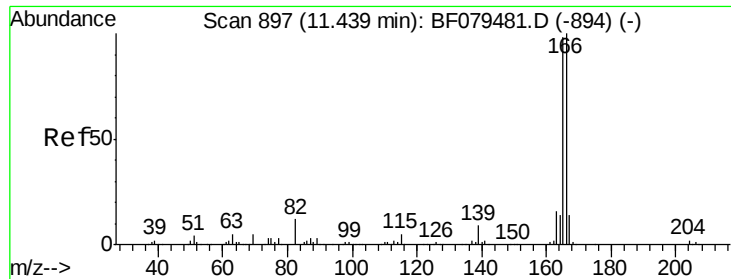
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5/28/2015 12:04:22 PM



#54
Dibenzofuran
Concen: 5.99 ng
RT: 11.00 min Scan# 859
Delta R.T. -0.00 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	84512		
139	35.8	32.9	49.3	
169	14.0	11.1	16.7	





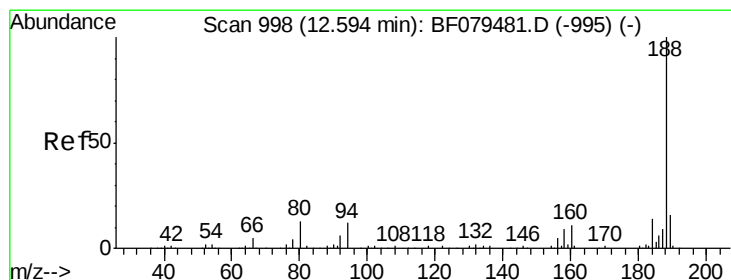
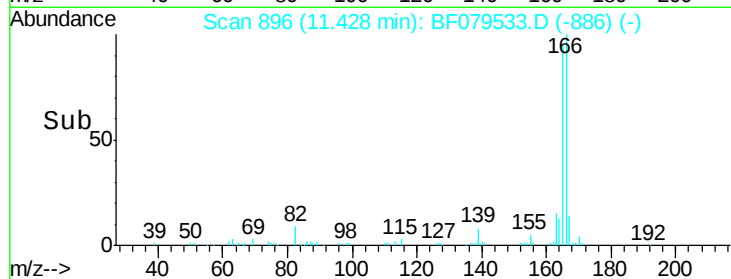
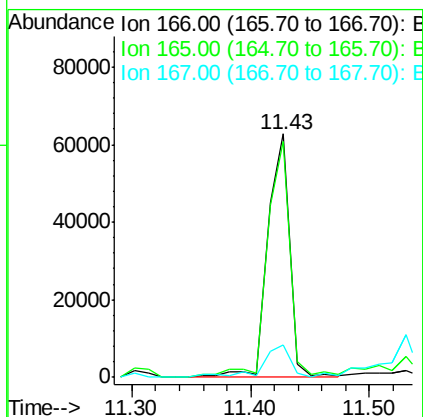
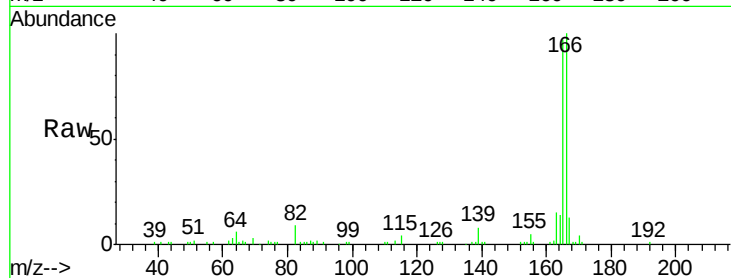
#57
Fluorene
 Concen: 6.92 ng
 RT: 11.43 min Scan# 896
 Delta R.T. -0.00 min
 Lab File: BF079533.D
 Acq: 27 May 2015 22:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-27D

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.7	78.6	117.8
167	13.5	10.8	16.2

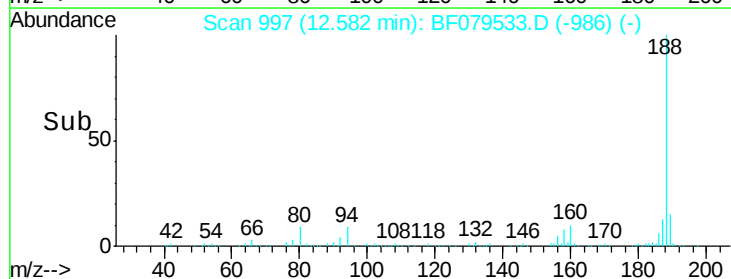
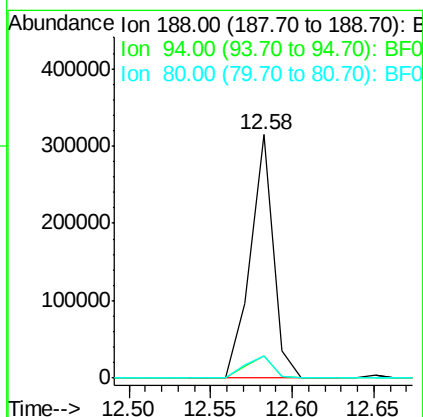
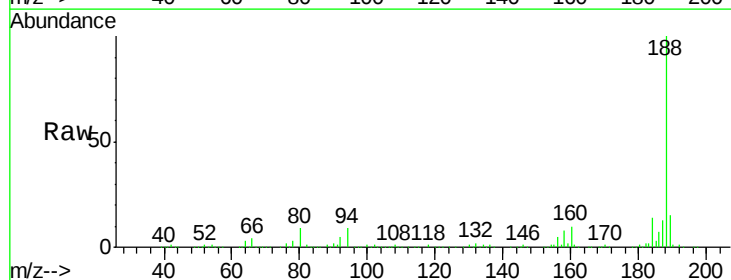
Manual Integrations
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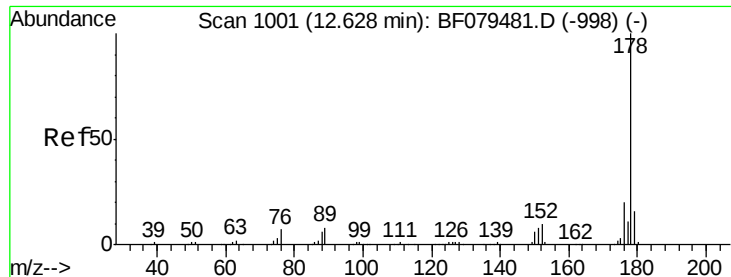
apatel
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.58 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: BF079533.D
 Acq: 27 May 2015 22:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	9.8	14.6#
80	8.9	10.5	15.7#





#70

Phenanthrene

Concen: 57.45 ng

RT: 12.62 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA_F

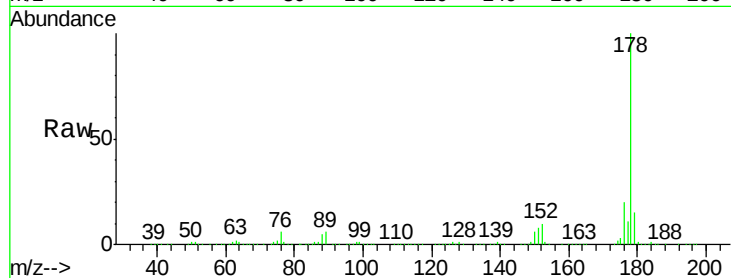
ClientSampleId :

SB-27D

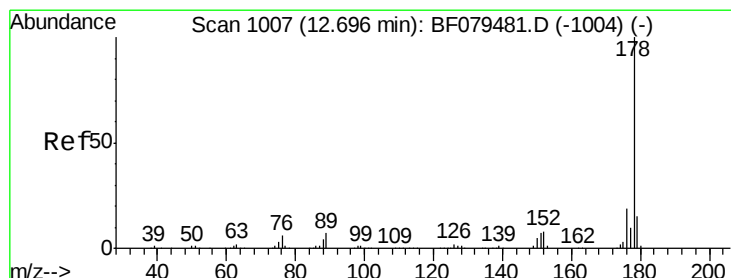
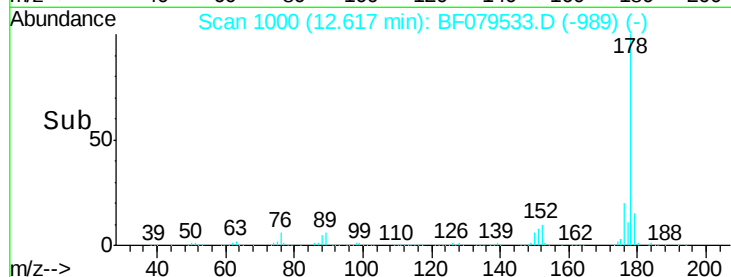
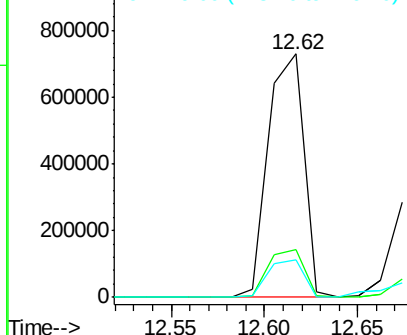
Tgt Ion:	178	Resp:	973866
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.7	23.5
179	15.2	12.4	18.6

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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



#71

Anthracene

Concen: 15.41 ng

RT: 12.67 min Scan# 1005

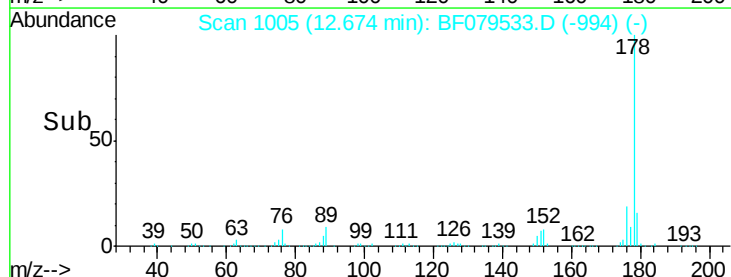
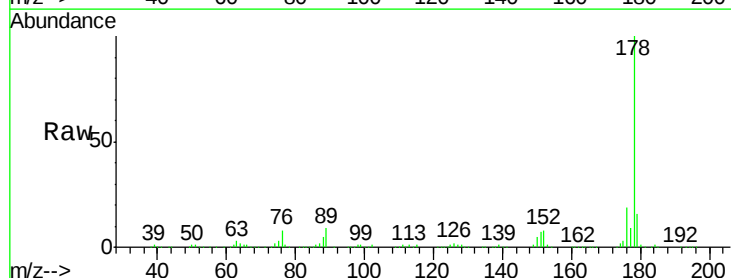
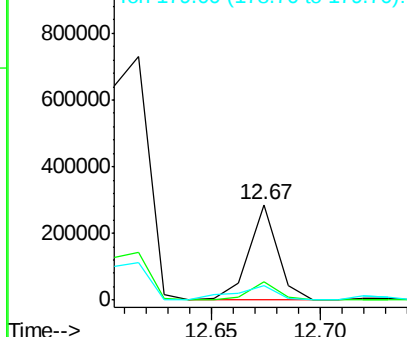
Delta R.T. -0.00 min

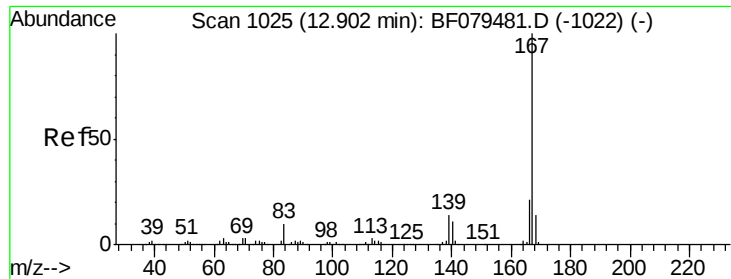
Lab File: BF079533.D

Acq: 27 May 2015 22:23

Tgt Ion:	178	Resp:	265171
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.3	22.9
179	15.6	12.2	18.4

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: 7.66 ng

RT: 12.89 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA_F

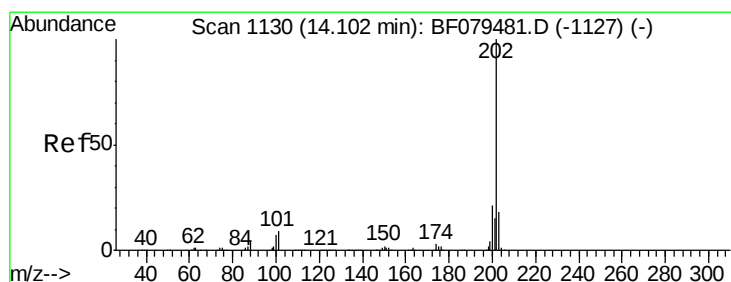
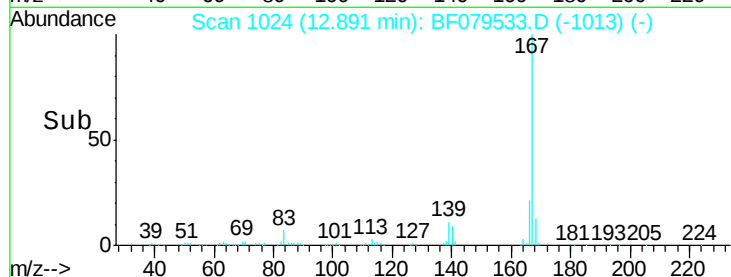
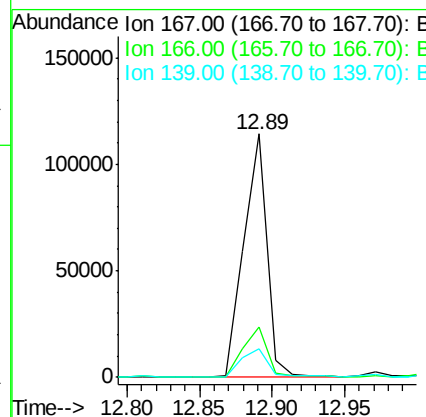
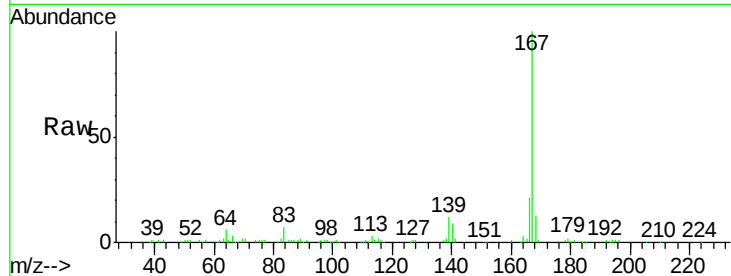
ClientSampleId :

SB-27D

Tgt Ion:	167	Resp:	126870
Ion Ratio		Lower	Upper
167	100		
166	20.9	17.0	25.4
139	11.8	11.2	16.8

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#74

Fluoranthene

Concen: 51.65 ng

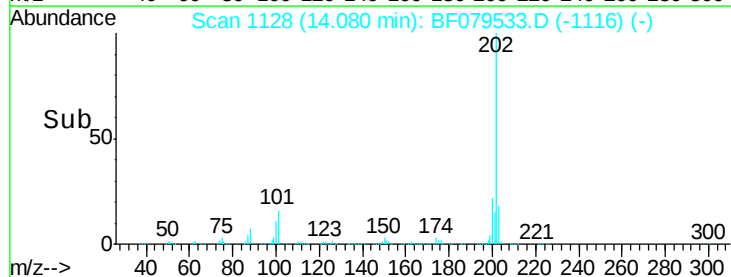
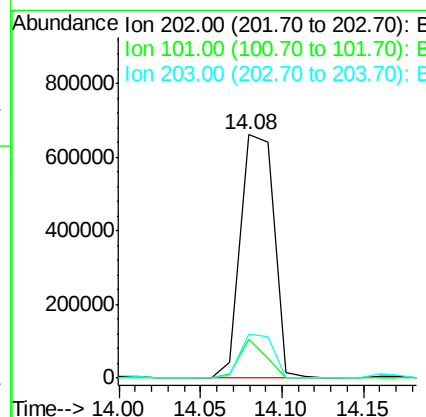
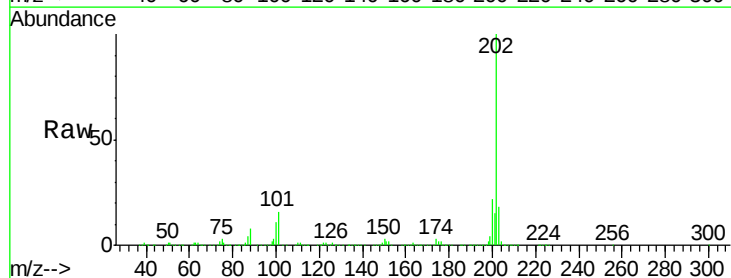
RT: 14.08 min Scan# 1128

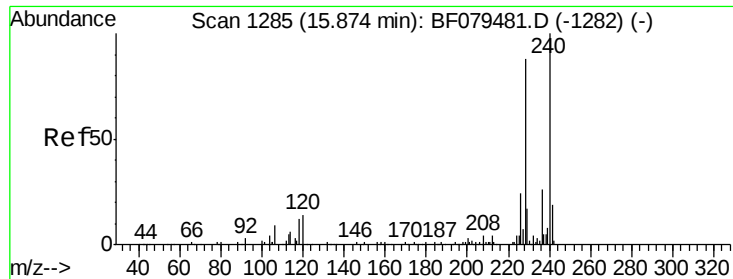
Delta R.T. -0.01 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Tgt Ion:	202	Resp:	938865
Ion Ratio		Lower	Upper
202	100		
101	15.8	0.0	29.3
203	18.2	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.08 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA_F

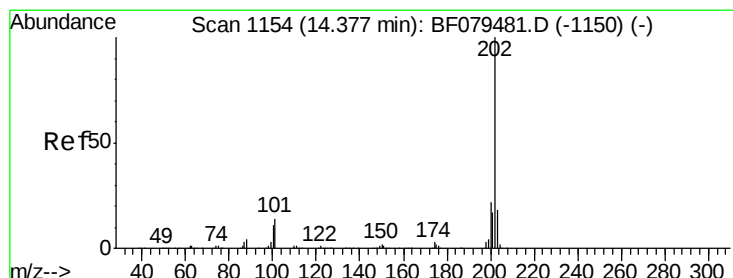
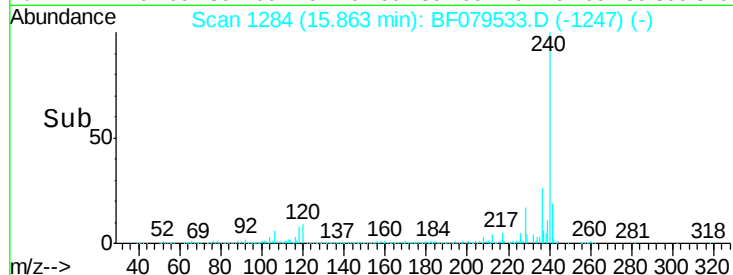
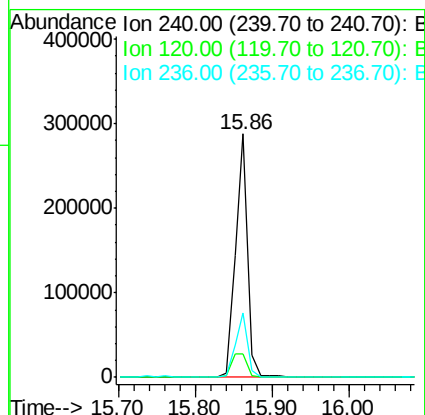
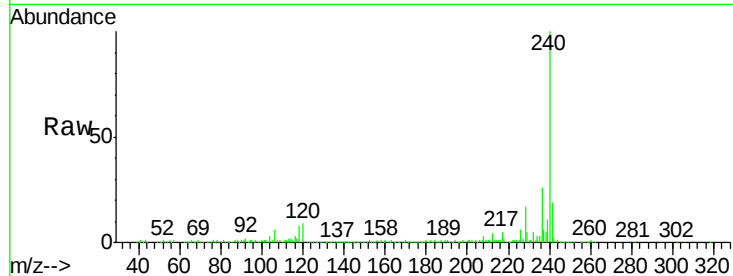
ClientSampleId :

SB-27D

Tgt Ion:	240	Resp:	325537
Ion Ratio		Lower	Upper
240	100		
120	9.5	10.8	16.2#
236	26.3	21.0	31.6

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#77

Pyrene

Concen: 40.33 ng

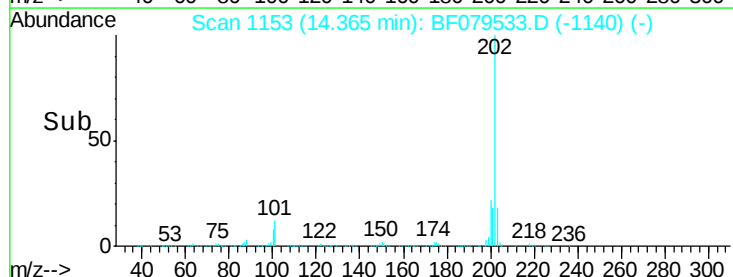
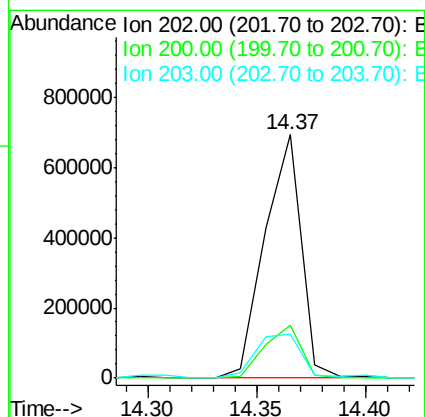
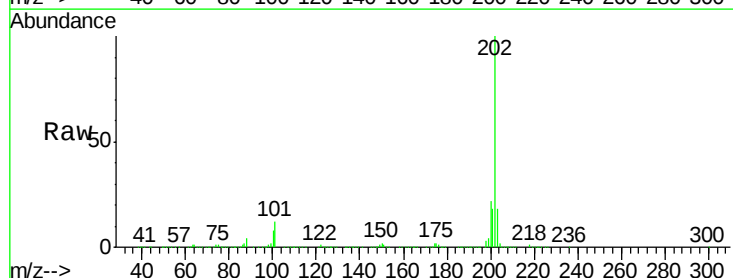
RT: 14.37 min Scan# 1153

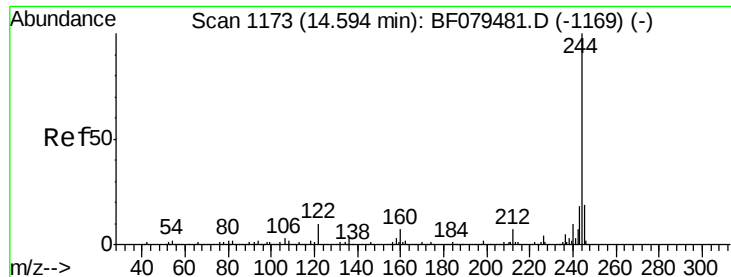
Delta R.T. -0.00 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Tgt Ion:	202	Resp:	813433
Ion Ratio		Lower	Upper
202	100		
200	21.8	17.5	26.3
203	18.2	14.4	21.6





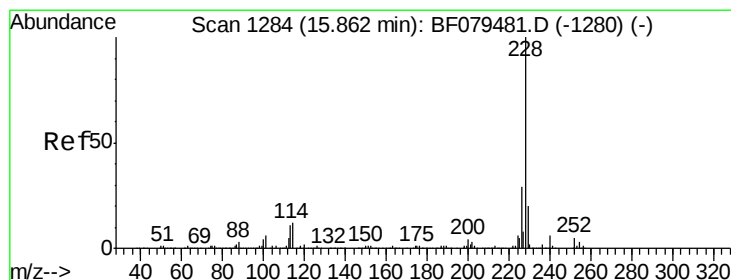
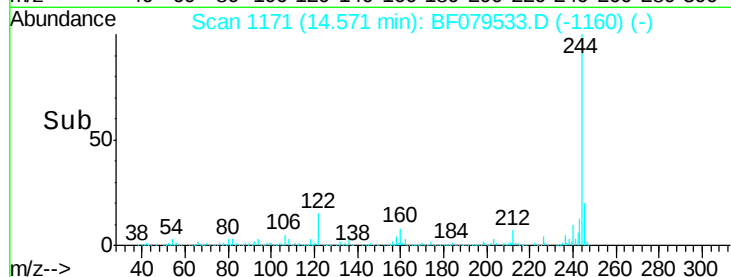
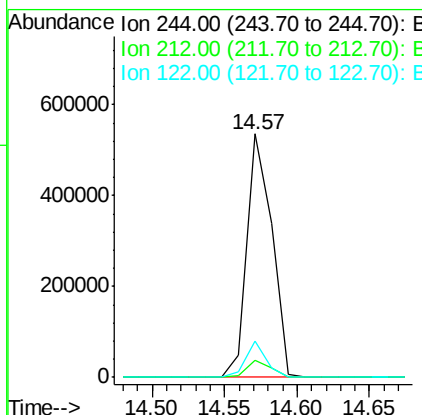
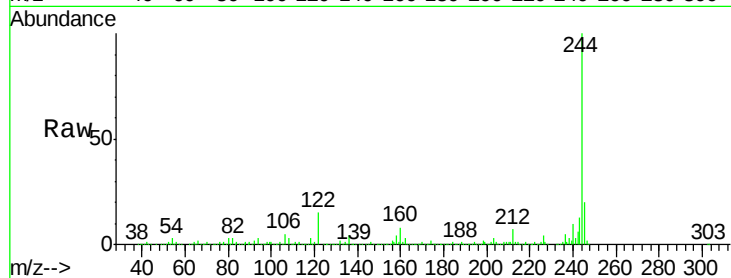
#78
 Terphenyl-d14
 Concen: 46.18 ng
 RT: 14.57 min Scan# 1171
 Delta R.T. -0.02 min
 Lab File: BF079533.D
 Acq: 27 May 2015 22:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-27D

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.2	7.8
122	15.0	8.0	12.0

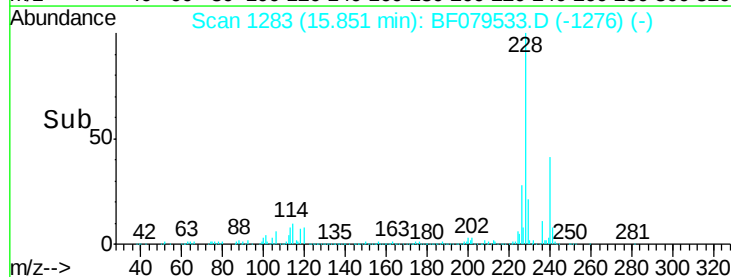
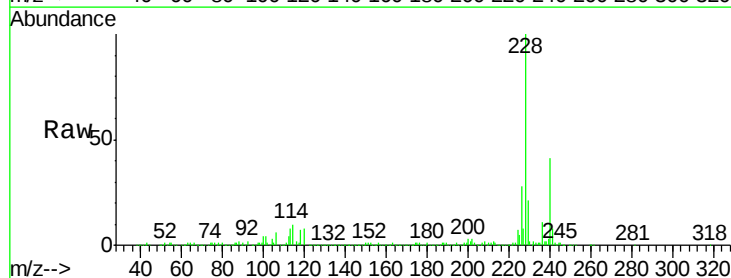
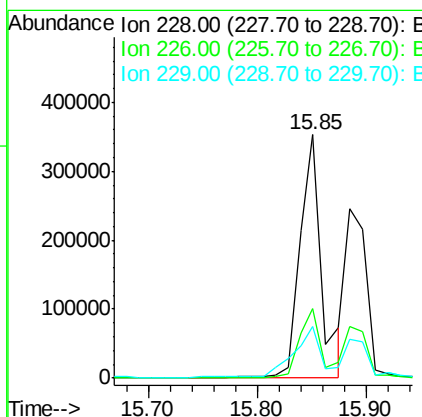
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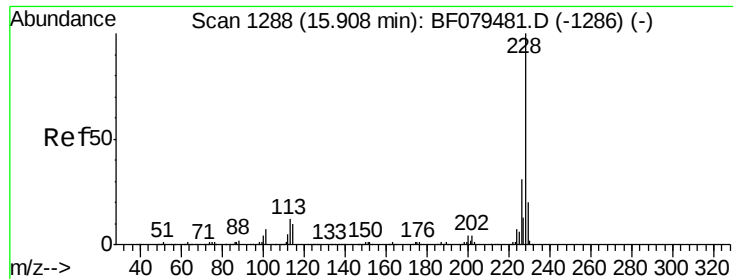
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#80
 Benzo(a)anthracene
 Concen: 26.06 ng
 RT: 15.85 min Scan# 1283
 Delta R.T. -0.08 min
 Lab File: BF079533.D
 Acq: 27 May 2015 22:23

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.4	22.8	34.2
229	21.0	15.9	23.9





#82

Chrysene

Concen: 18.36 ng

RT: 15.89 min Scan# 1286

Delta R.T. -0.09 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Instrument :

BNA_F

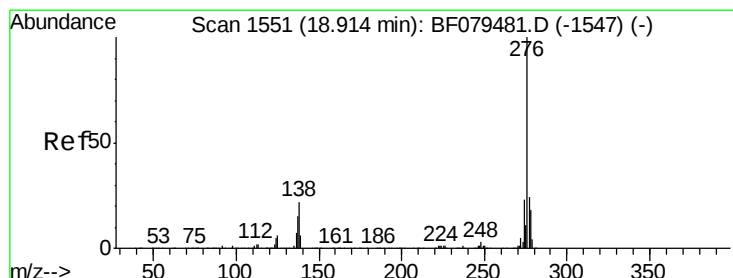
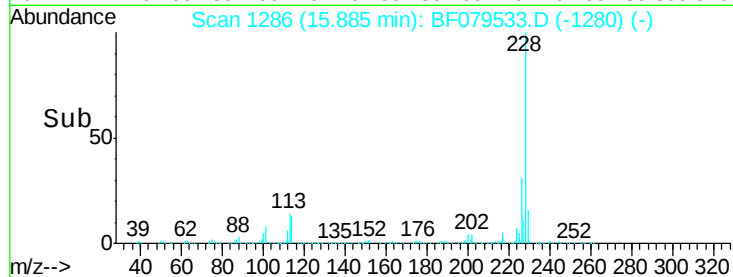
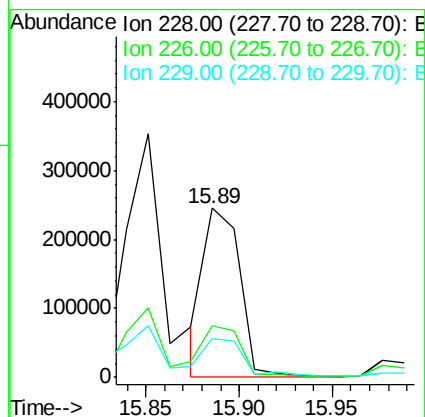
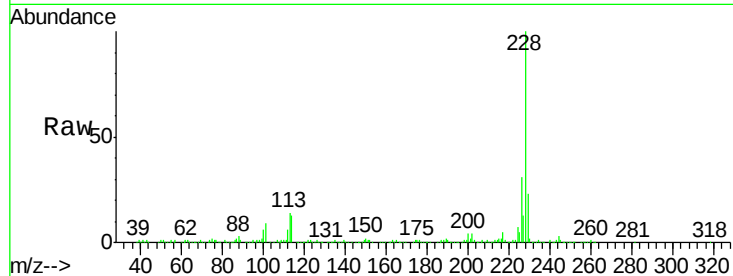
ClientSampleId :

SB-27D

Tgt Ion:	228	Resp:	326828
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.4
229	22.6	15.9	23.9

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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.22 ng m

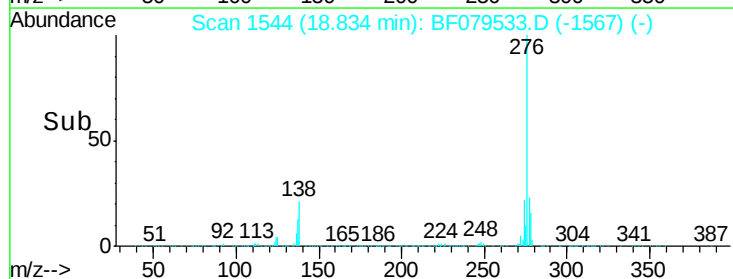
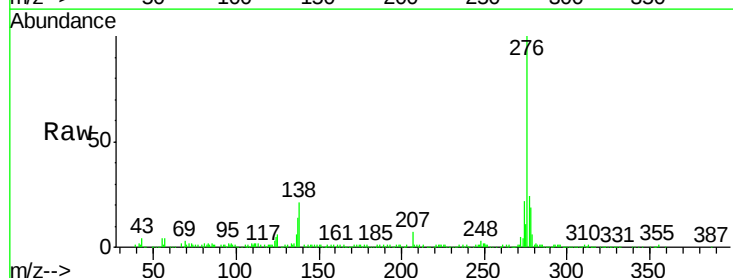
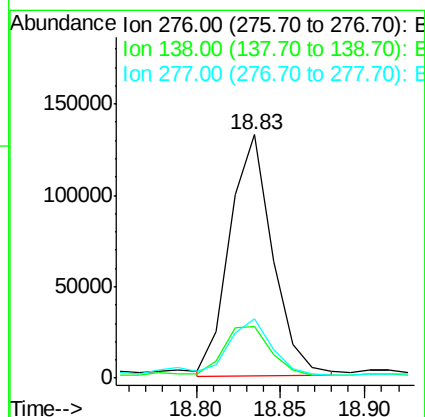
RT: 18.83 min Scan# 1544

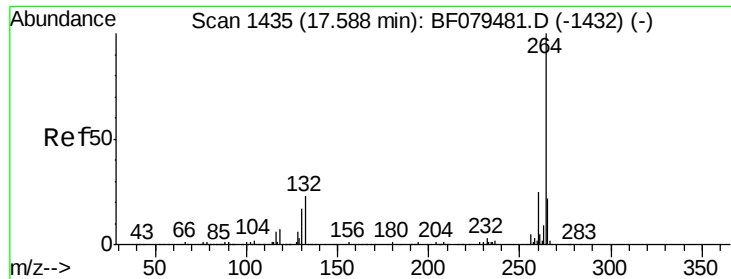
Delta R.T. -0.47 min

Lab File: BF079533.D

Acq: 27 May 2015 22:23

Tgt Ion:	276	Resp:	234028
Ion Ratio	Lower	Upper	
276	100		
138	21.2	21.4	32.2#
277	23.3	19.8	29.6





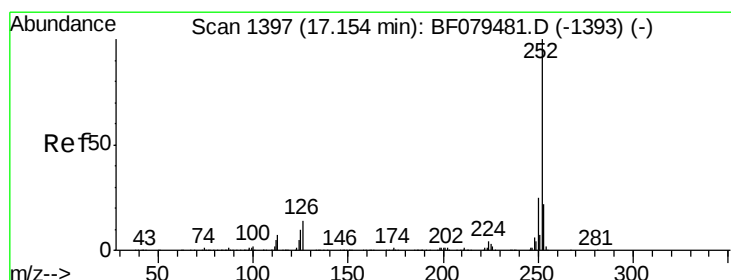
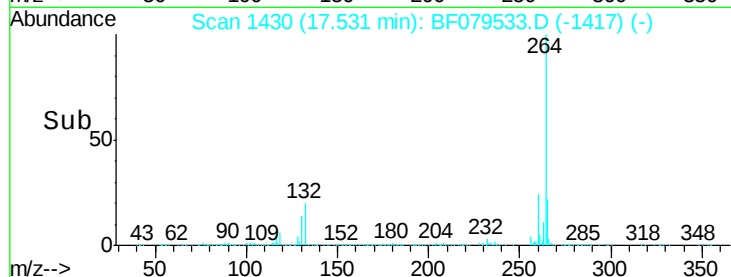
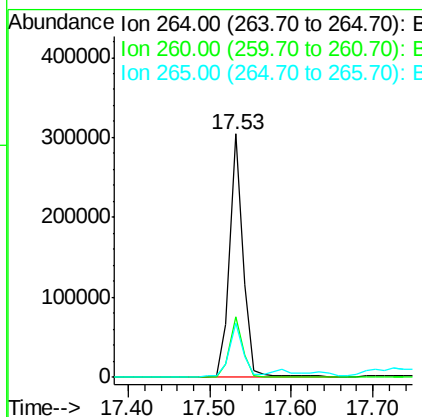
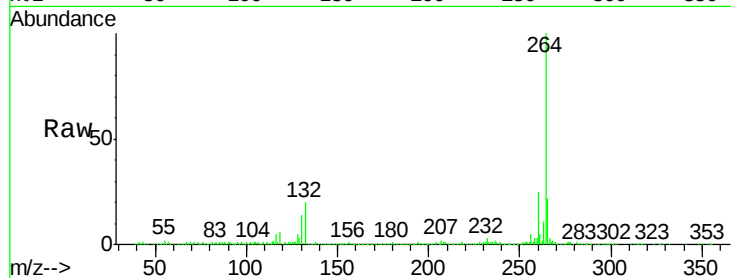
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.35 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Instrument :
BNA_F
ClientSampleId :
SB-27D

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	351157		
260	24.7	19.8	29.8	
265	22.4	17.8	26.6	

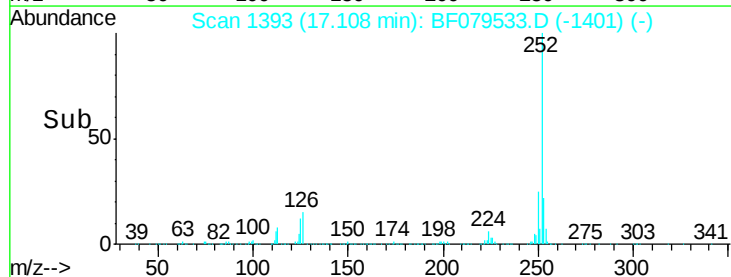
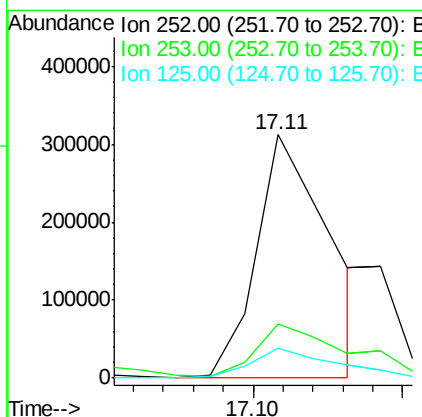
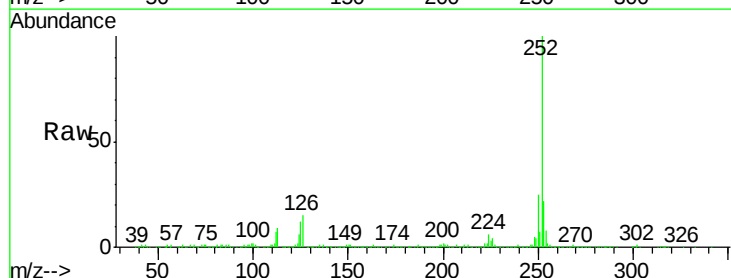
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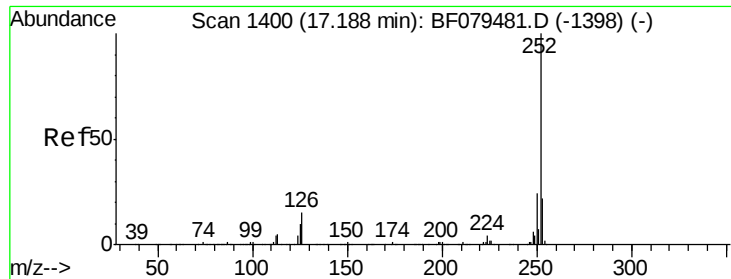
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#87
Benzo(b)fluoranthene
Concen: 26.23 ng m
RT: 17.11 min Scan# 1393
Delta R.T. -0.27 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	525230		
253	22.5	17.6	26.4	
125	12.0	7.8	11.6	





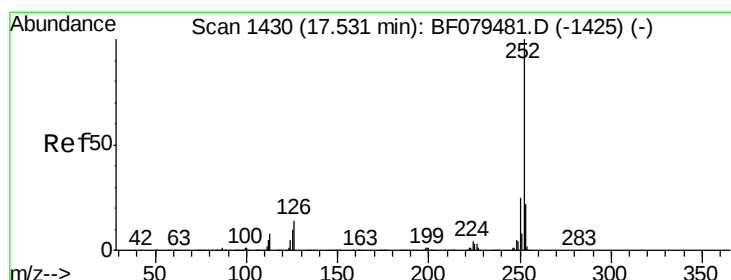
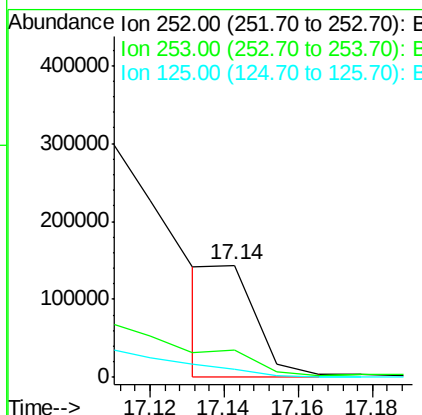
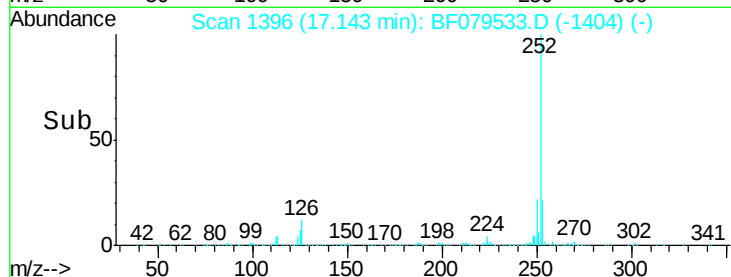
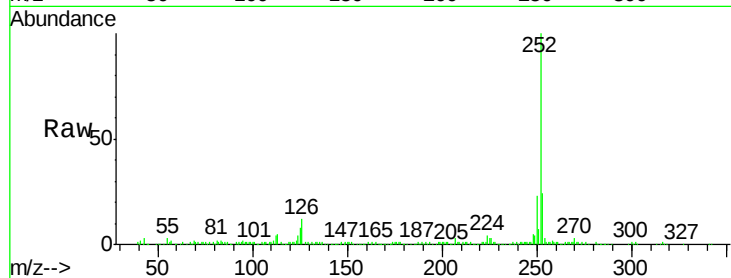
#88
Benzo(k)fluoranthene
Concen: 6.30 ng m
RT: 17.14 min Scan# 1396
Delta R.T. -0.27 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Instrument :
BNA_F
ClientSampled :
SB-27D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	7.5	6.8	10.2

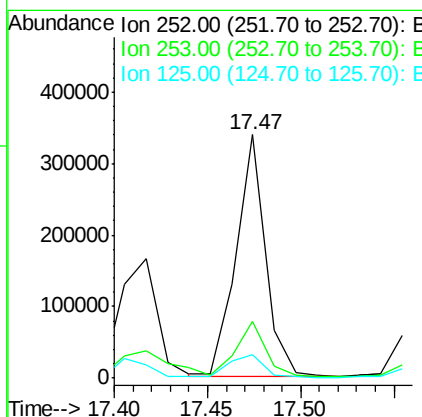
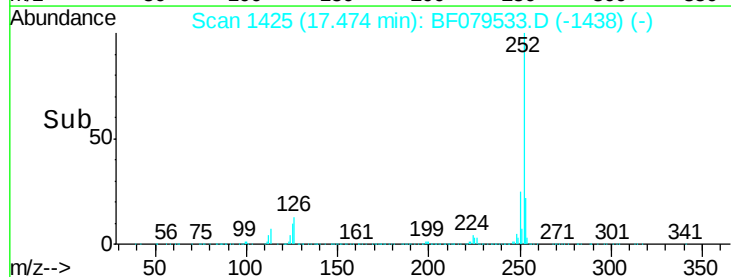
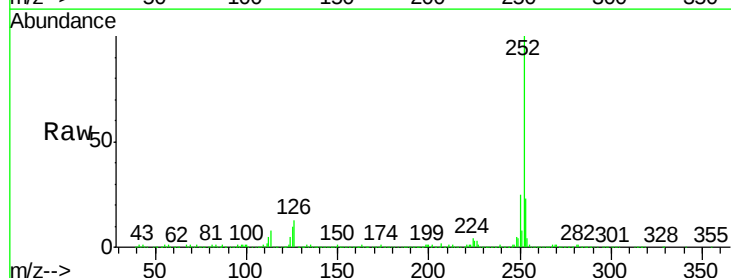
Manual Integrations
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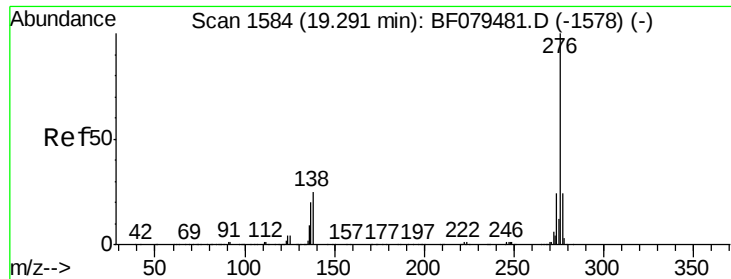
apatel
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#89
Benzo(a)pyrene
Concen: 20.28 ng
RT: 17.47 min Scan# 1425
Delta R.T. -0.33 min
Lab File: BF079533.D
Acq: 27 May 2015 22:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	9.9	7.9	11.9





#91
 Benzo(g,h,i)perylene
 Concen: 9.99 ng
 RT: 19.21 min Scan# 1577
 Delta R.T. -0.48 min
 Lab File: BF079533.D
 Acq: 27 May 2015 22:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-27D

Tgt Ion:	276	Resp:	215526
Ion Ratio		Lower	Upper
276	100		
277	23.8	19.1	28.7
138	22.6	20.1	30.1

Manual Integrations
 APPROVED

apatel
 5/28/2015 12:04:22 PM

