

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052815\
 Data File : BF079551.D
 Acq On : 28 May 2015 18:32
 Operator : TP/IZ
 Sample : G2386-15
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-SS

Manual Integrations
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Quant Time: May 29 09:16:08 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 18:41:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	67190	20.00	ng	0.00
21) Naphthalene-d8	8.54	136	277049	20.00	ng	0.00
38) Acenaphthene-d10	10.71	164	134115	20.00	ng	0.00
63) Phenanthrene-d10	12.54	188	251871	20.00	ng	0.00
75) Chrysene-d12	15.81	240	279754	20.00	ng	-0.03
86) Perylene-d12	17.49	264	300189	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	393407	101.56	ng	0.01
7) Phenol-d6	6.56	99	522551	105.83	ng	0.00
23) Nitrobenzene-d5	7.66	82	294008	61.34	ng	-0.01
41) 2,4,6-Tribromophenol	11.69	330	148471	100.79	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	496878	52.86	ng	0.00
78) Terphenyl-d14	14.53	244	616785	51.74	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	10.52	152	40904	2.98	ng	98
49) Dimethylphthalate	10.40	163	37947	3.84	ng	99
51) Acenaphthene	10.74	154	17660	2.25	ng	94
57) Fluorene	11.38	166	24664	2.58	ng	95
70) Phenanthrene	12.57	178	315803	22.85	ng	99
71) Anthracene	12.63	178	103491	7.38	ng	99
72) Carbazole	12.85	167	33818	2.50	ng	97
74) Fluoranthene	14.03	202	583628	39.39	ng	95
77) Pyrene	14.31	202	495294	28.58	ng	# 95
80) Benzo(a)anthracene	15.79	228	313742	19.50	ng	96
82) Chrysene	15.84	228	250858	16.40	ng	97
85) Indeno(1,2,3-cd)pyrene	18.78	276	171337m	8.71	ng	
87) Benzo(b)fluoranthene	17.06	252	436252m	25.48	ng	
88) Benzo(k)fluoranthene	17.09	252	79785m	5.21	ng	
89) Benzo(a)pyrene	17.43	252	271622	16.89	ng	96
91) Benzo(g,h,i)perylene	19.14	276	161909	8.35	ng	99

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

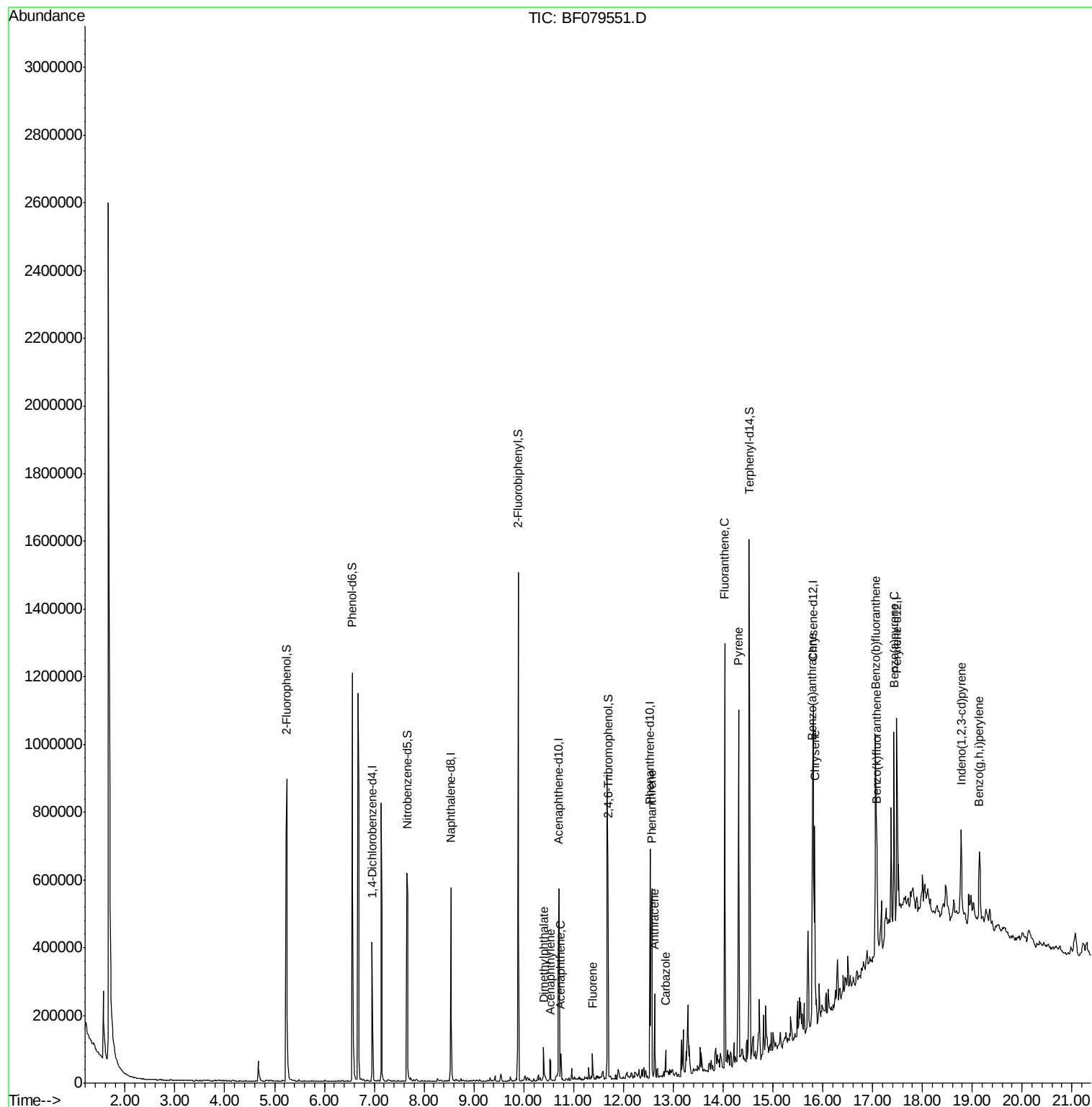
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052815\
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#1

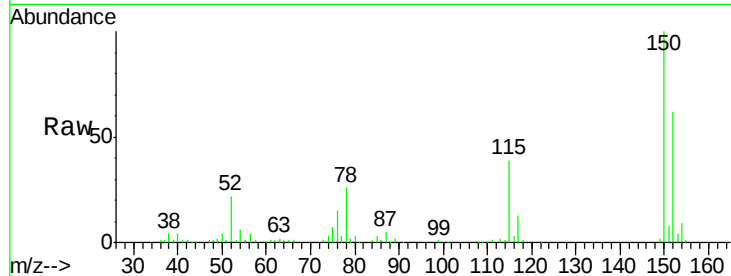
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Instrument :
BNA_F
ClientSampleId :
TP-9-SS

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.0	186.0
115	63.3	49.6	74.4

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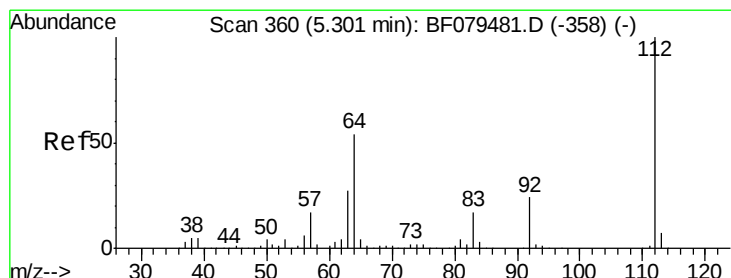
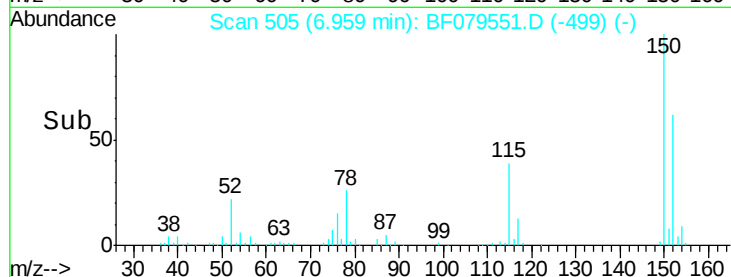
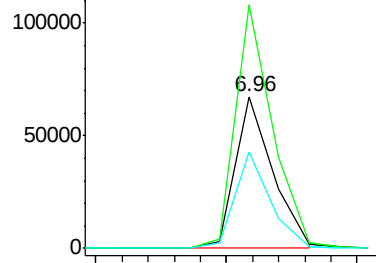


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

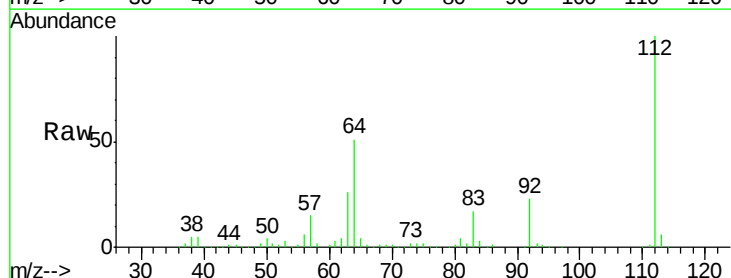
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 101.56 ng
RT: 5.24 min Scan# 355
Delta R.T. 0.01 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	43.5	65.3
63	25.6	21.8	32.8

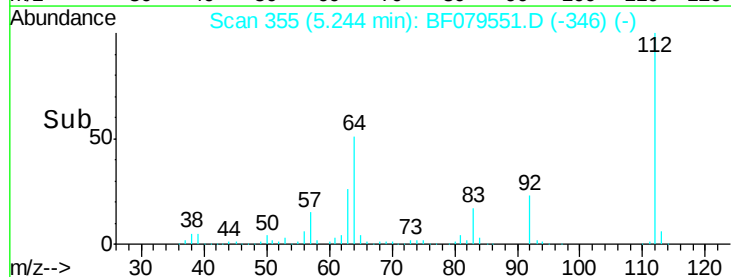
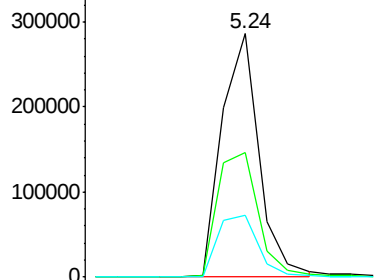


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.83 ng

RT: 6.56 min Scan# 470

Delta R.T. 0.00 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_F

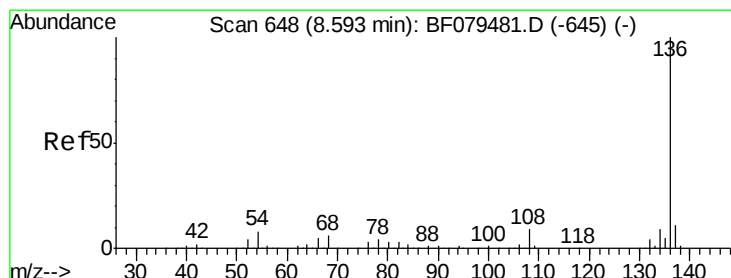
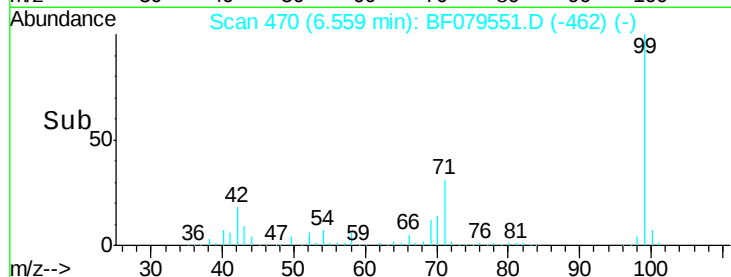
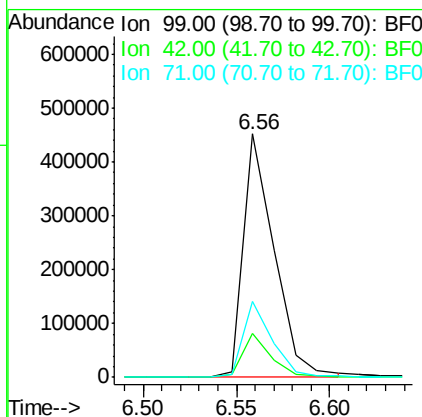
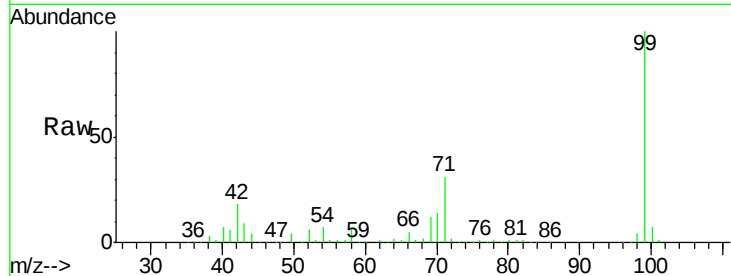
ClientSampleId :

TP-9-SS

Tot Ion:	99	Resp:	522551
Ion Ratio	Lower	Upper	
99	100		
42	18.2	11.9	17.9#
71	31.3	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

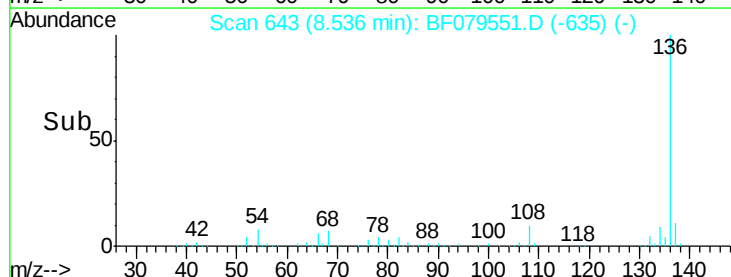
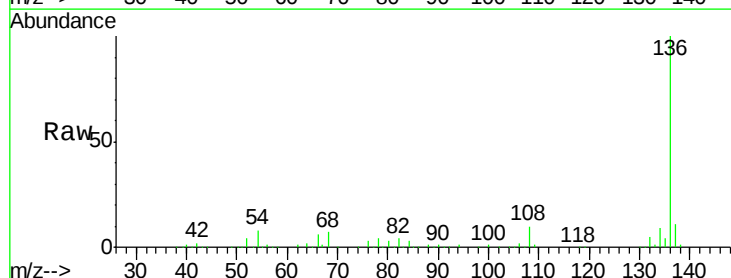
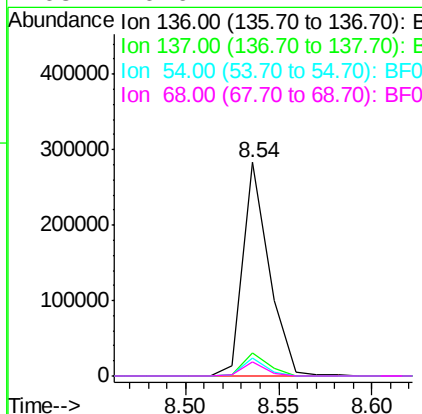
RT: 8.54 min Scan# 643

Delta R.T. -0.00 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Tgt Ion:	136	Resp:	277049
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	8.5	6.6	9.8
68	6.6	4.7	7.1





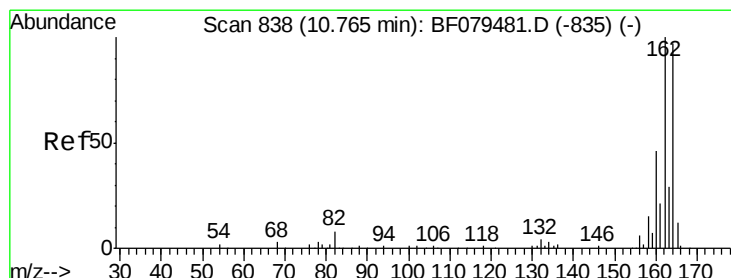
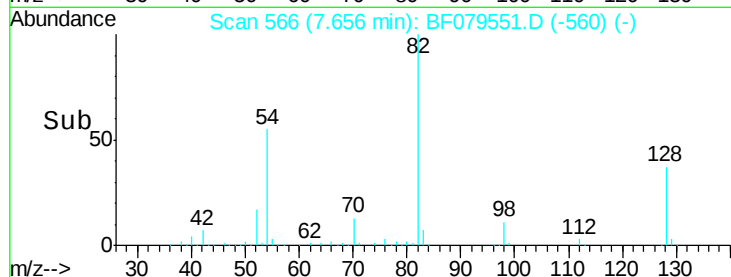
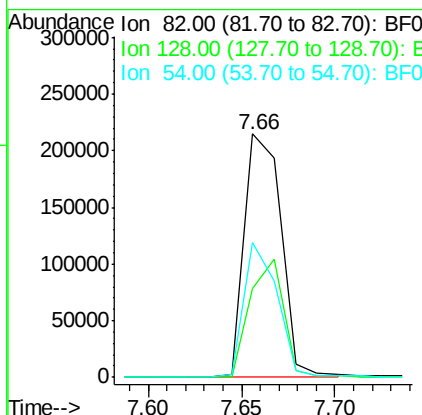
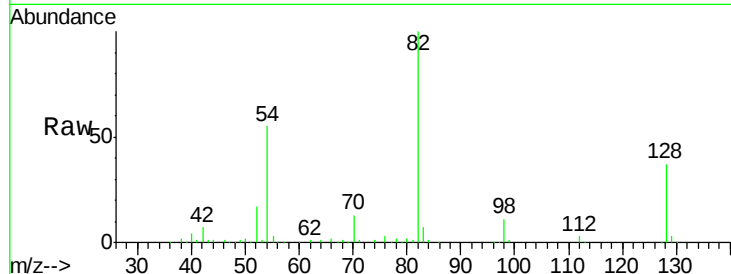
#23
 Nitrobenzene-d5
 Concen: 61.34 ng
 RT: 7.66 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-SS

Tot Ion	Ratio	Resp	Lower	Upper
82	100	294008		
128	36.7		30.8	46.2
54	55.3		42.8	64.2

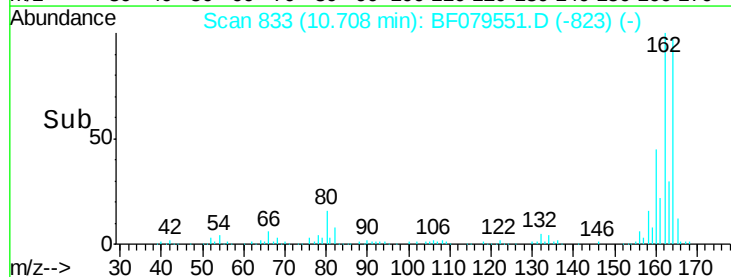
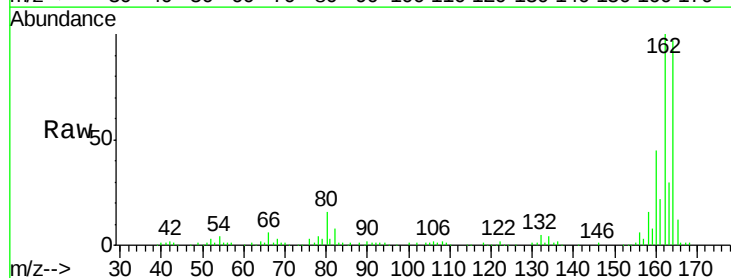
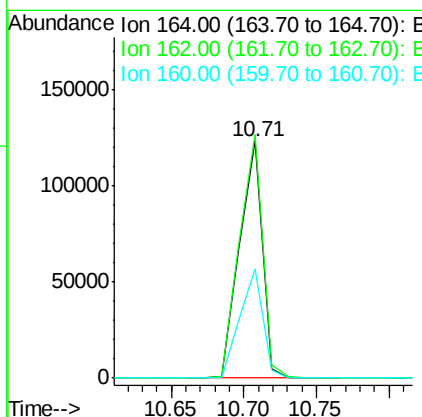
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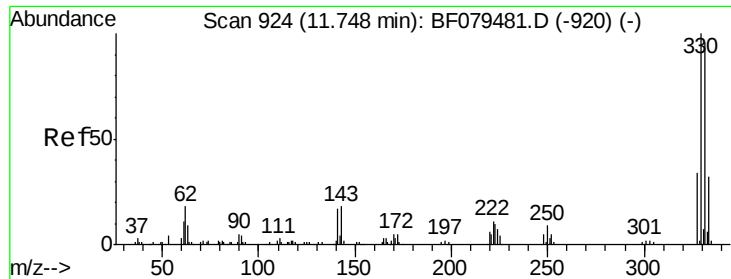
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.71 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	134115		
162	102.9		82.6	124.0
160	46.4		37.7	56.5





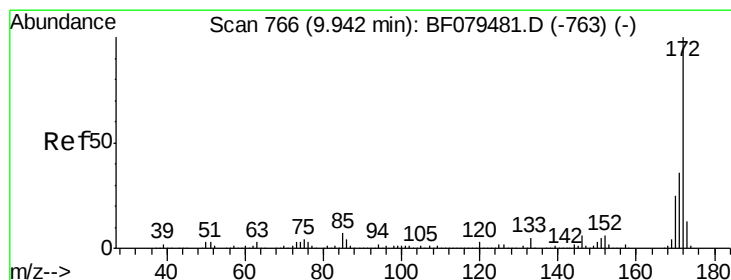
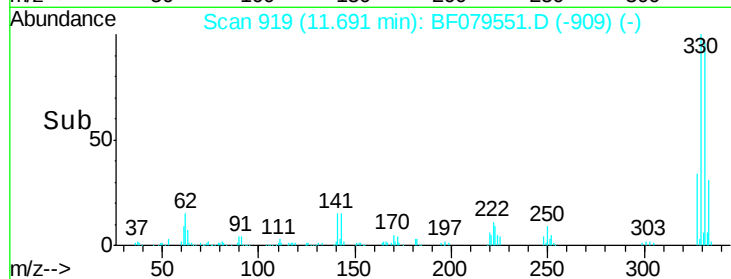
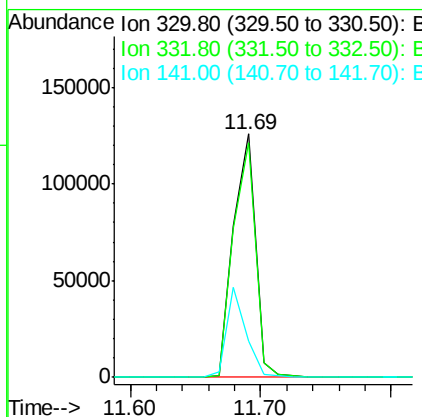
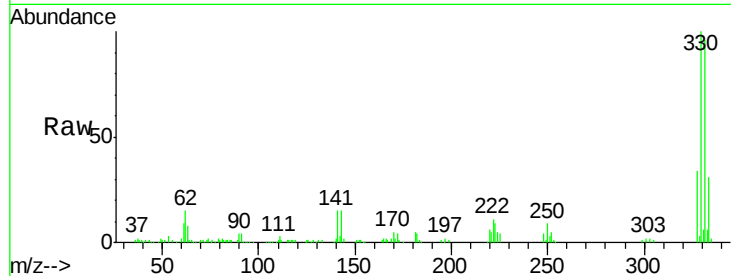
#41
 2,4,6-Tribromophenol
 Concen: 100.79 ng
 RT: 11.69 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-SS

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.9	0.0	0.0#
141	33.1	0.0	0.0#

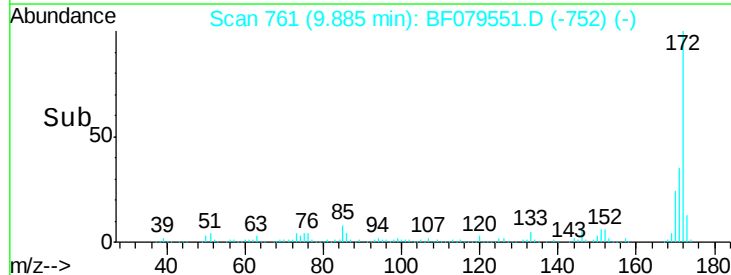
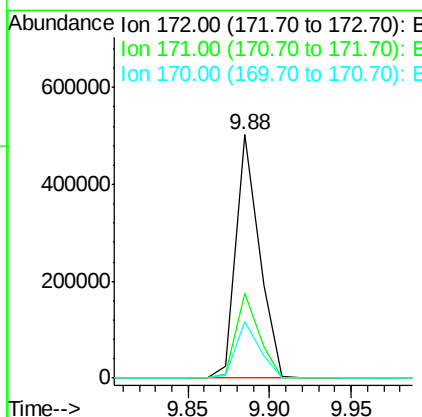
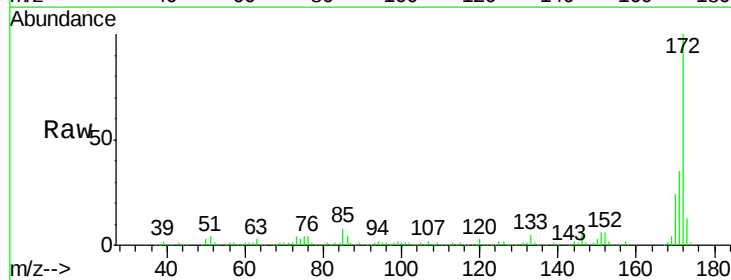
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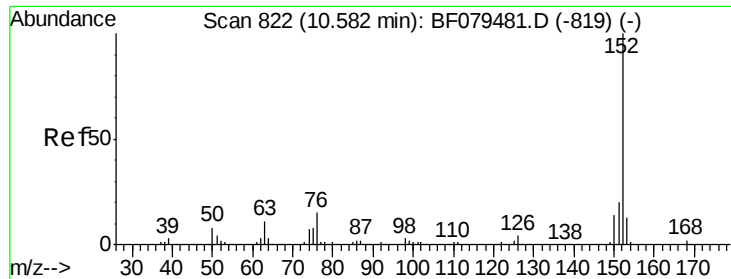
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#44
 2-Fluorobiphenyl
 Concen: 52.86 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	34.6	28.5	42.7
170	23.5	19.7	29.5





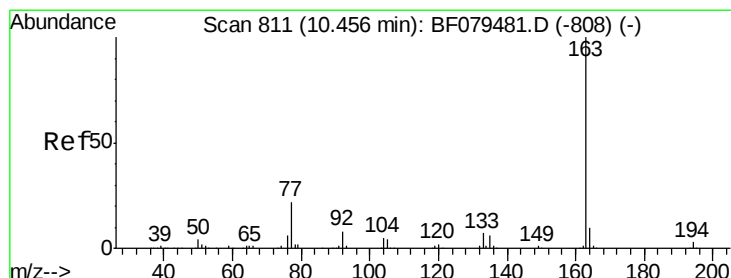
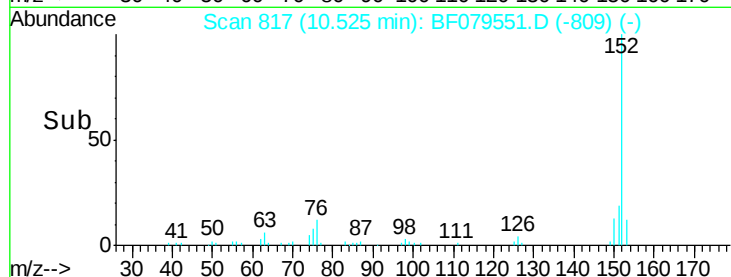
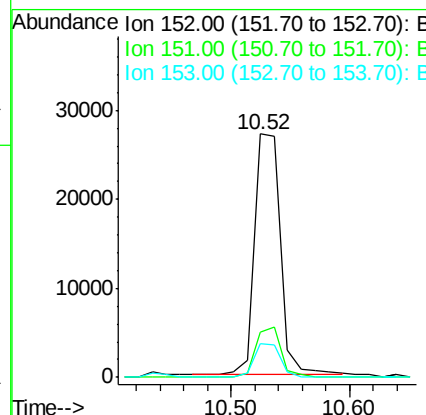
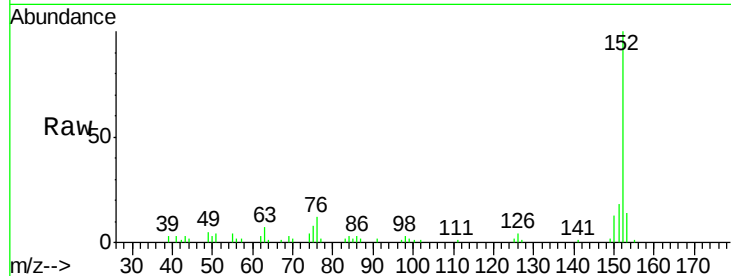
#48
Acenaphthylene
Concen: 2.98 ng
RT: 10.52 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Instrument :
BNA_F
ClientSampleId :
TP-9-SS

Tot Ion	Ratio	Resp	Lower	Upper
152	100	40904		
151	18.4		15.8	23.8
153	13.6		10.7	16.1

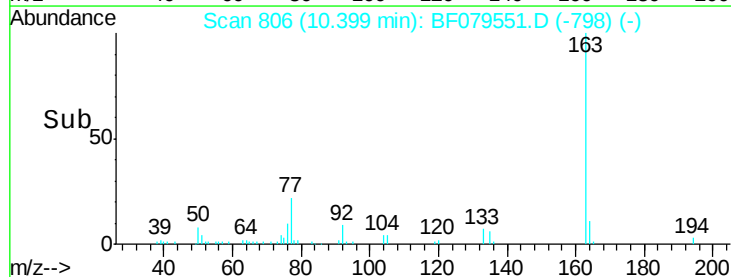
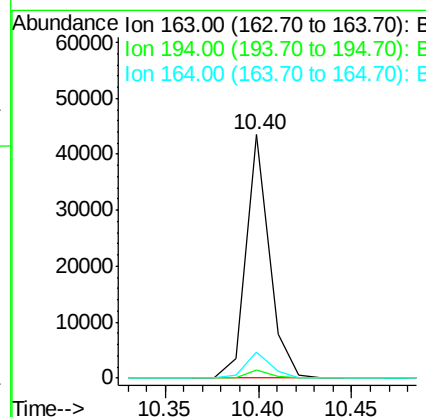
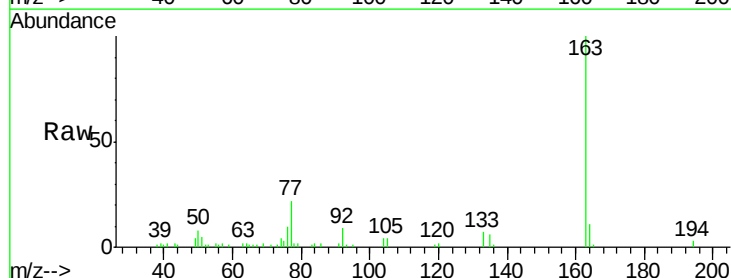
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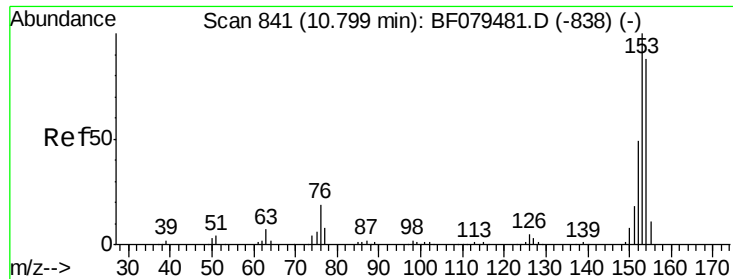
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#49
Dimethylphthalate
Concen: 3.84 ng
RT: 10.40 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	37947		
194	3.4		2.4	3.6
164	10.7		8.2	12.4





#51

Acenaphthene

Concen: 2.25 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_F

ClientSampled :

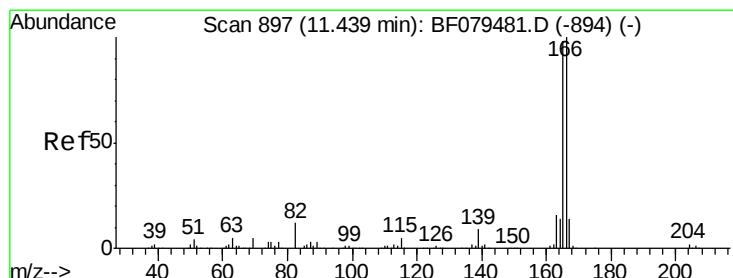
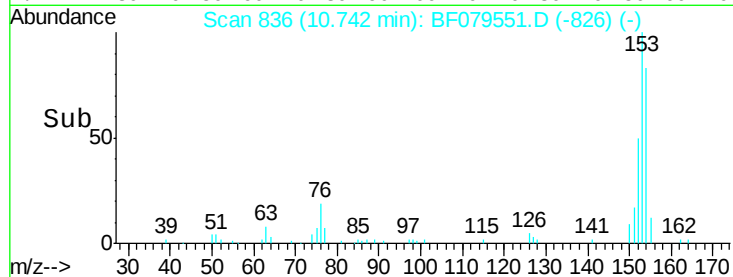
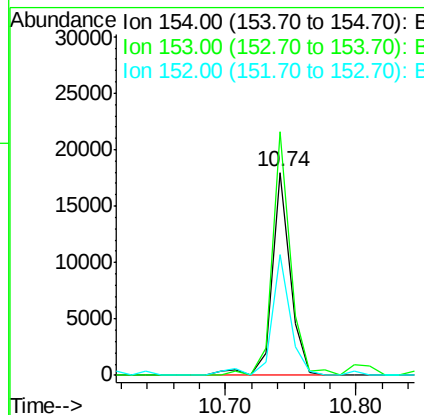
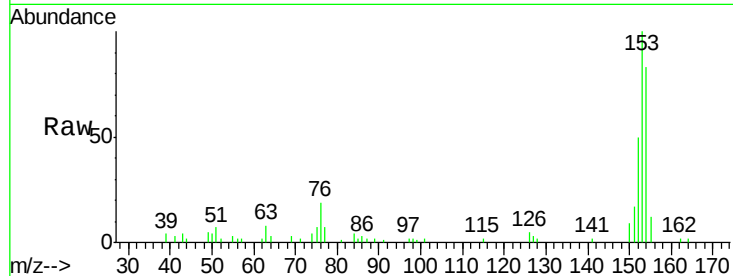
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Tot Ion:	154	Resp:	17660
Ion Ratio	Lower	Upper	
154	100		
153	119.9	91.1	136.7
152	59.7	44.6	66.8



#57

Fluorene

Concen: 2.58 ng

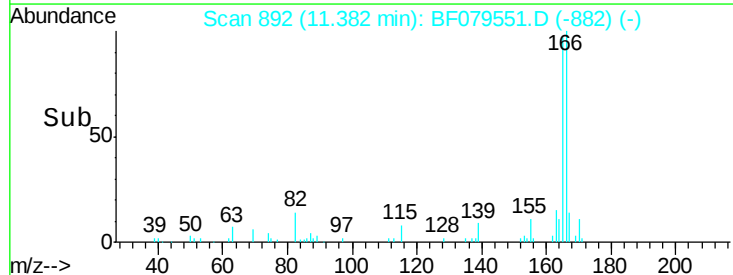
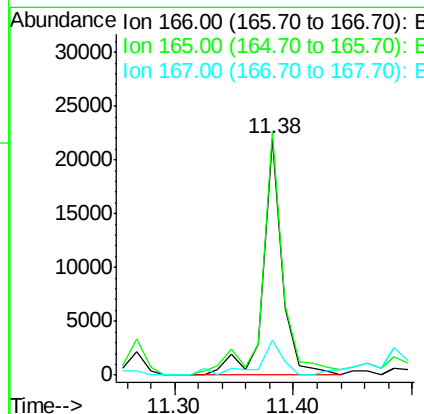
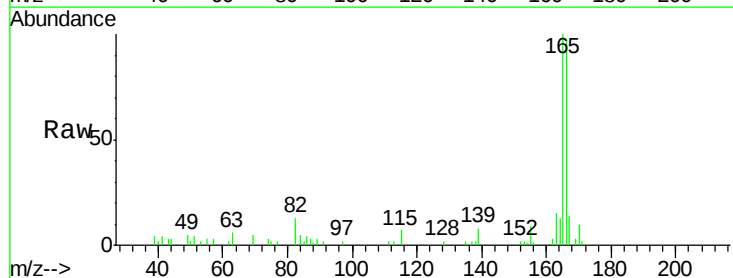
RT: 11.38 min Scan# 892

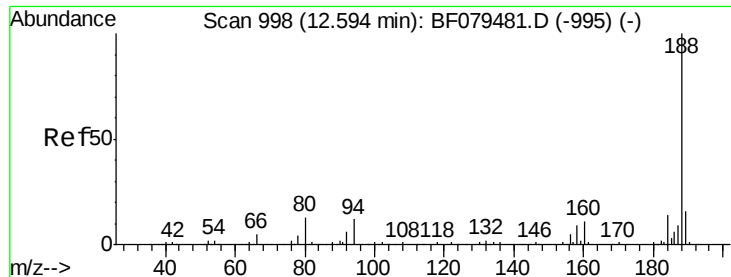
Delta R.T. -0.00 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Tgt Ion:	166	Resp:	24664
Ion Ratio	Lower	Upper	
166	100		
165	103.0	78.6	117.8
167	14.7	10.8	16.2





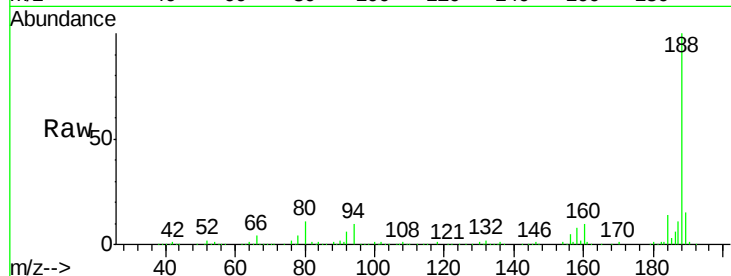
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.54 min Scan# 993
Delta R.T. -0.00 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Instrument :
BNA_F
ClientSampleId :
TP-9-SS

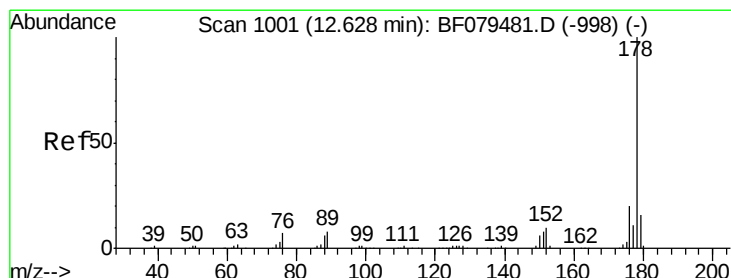
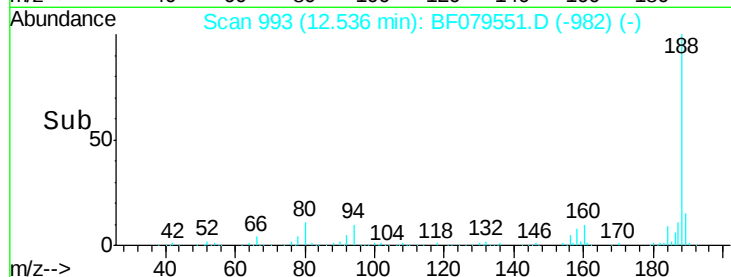
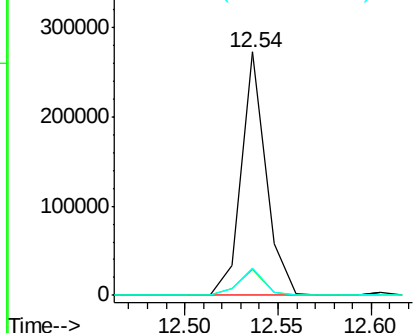
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.4	9.8	14.6
80	11.1	10.5	15.7

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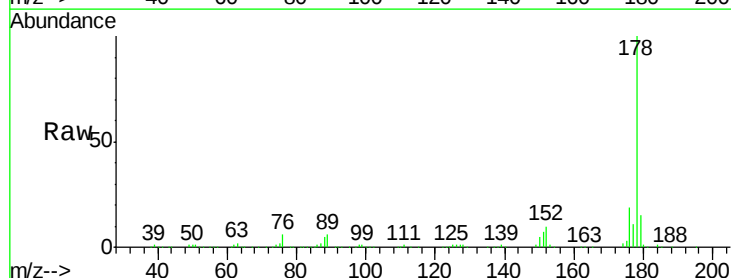


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

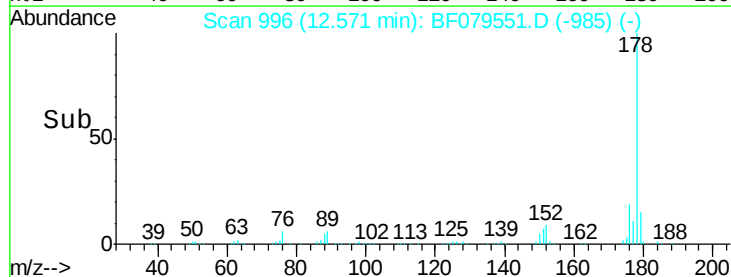
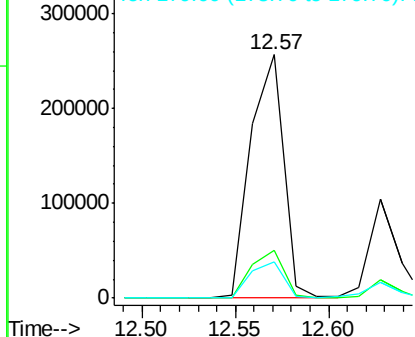


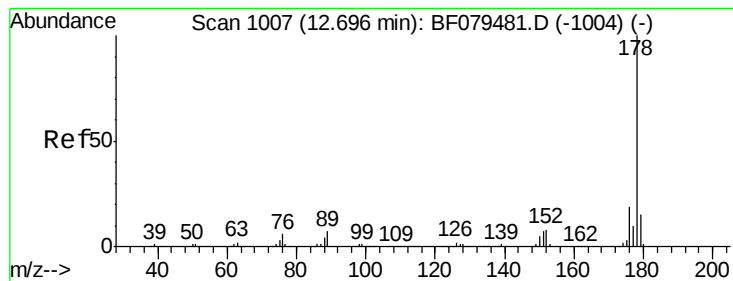
#70
Phenanthrene
Concen: 22.85 ng
RT: 12.57 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.7	23.5
179	14.9	12.4	18.6



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





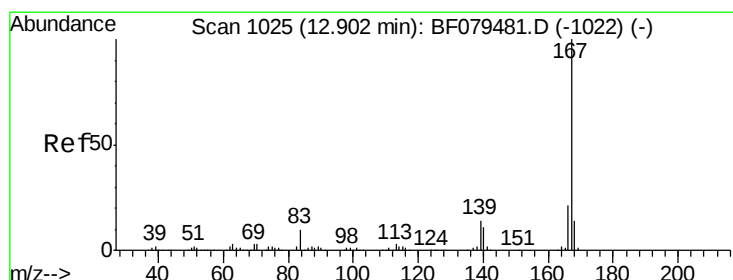
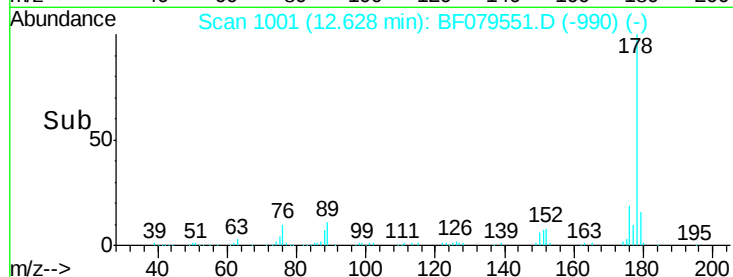
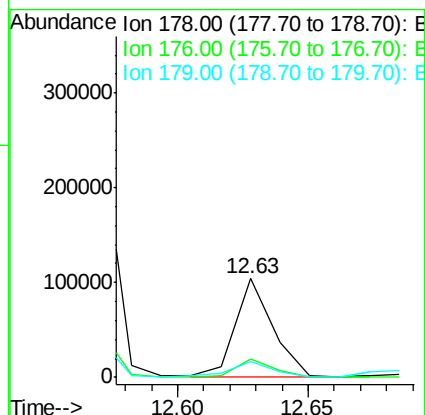
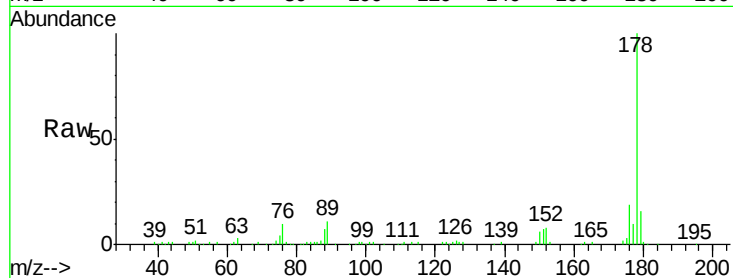
#71
 Anthracene
 Concen: 7.38 ng
 RT: 12.63 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-SS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	18.8	15.3	22.9		
179	15.6	12.2	18.4		

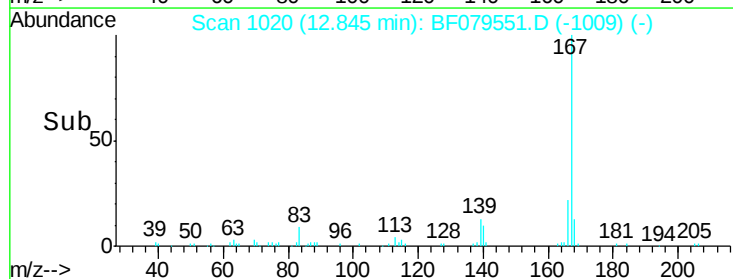
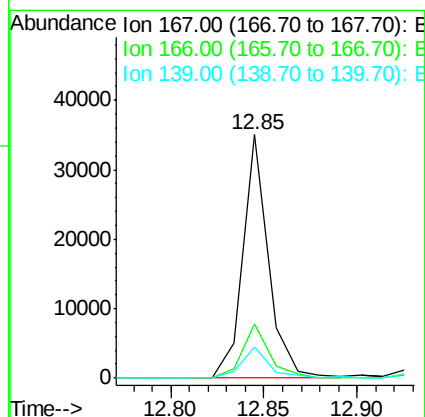
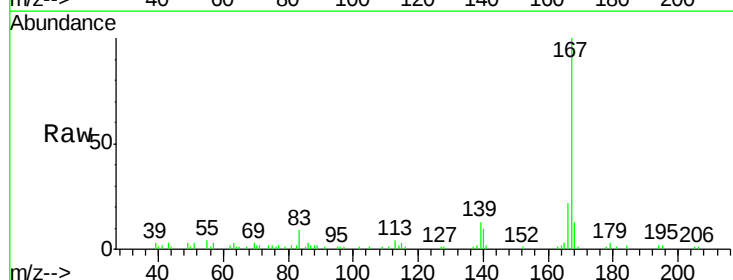
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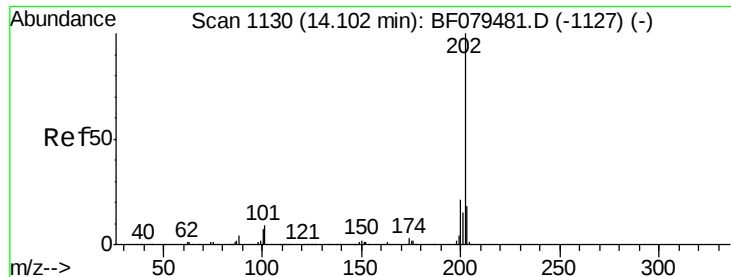
apatel
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#72
 Carbazole
 Concen: 2.50 ng
 RT: 12.85 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	22.5	17.0	25.4		
139	13.0	11.2	16.8		





#74

Fluoranthene

Concen: 39.39 ng

RT: 14.03 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_F

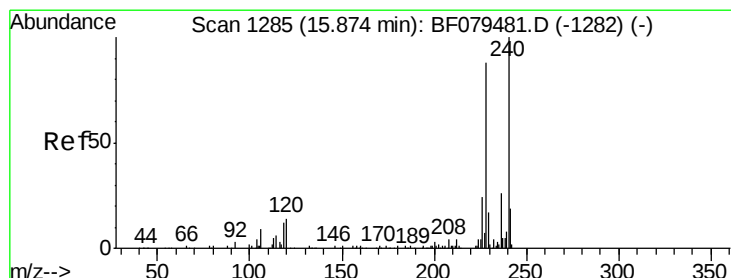
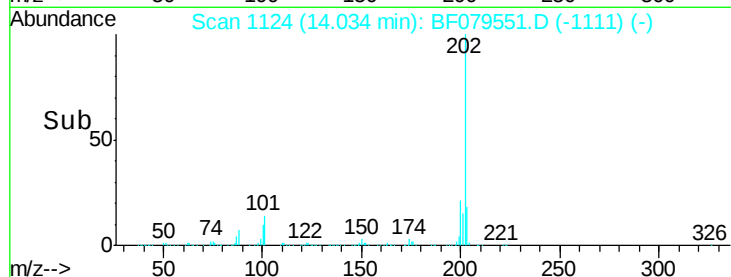
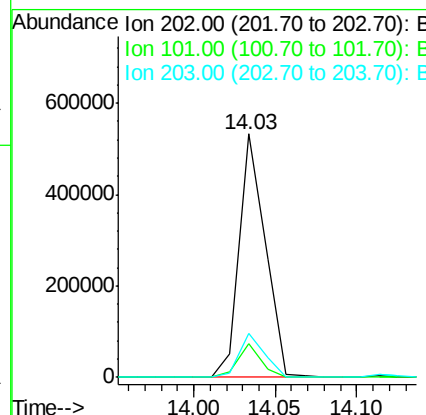
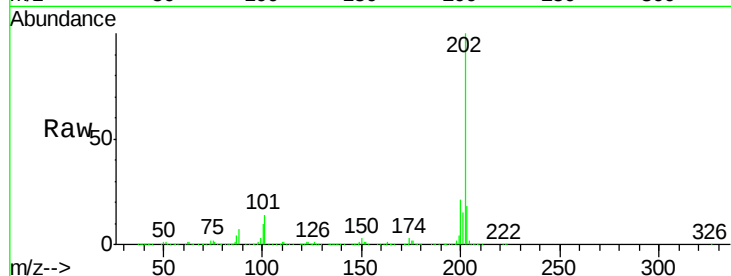
ClientSampleId :

TP-9-SS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	583628		
101	14.0	0.0	29.3	
203	18.0	0.0	37.6	

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#75

Chrysene-d12

Concen: 20.00 ng

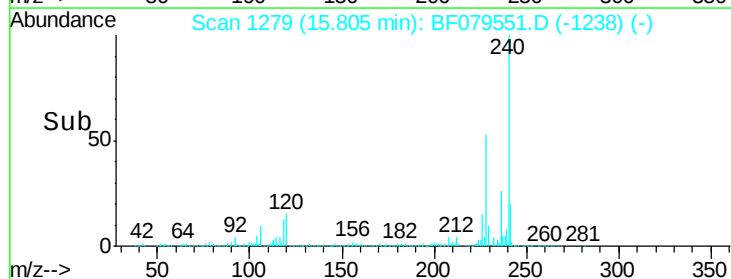
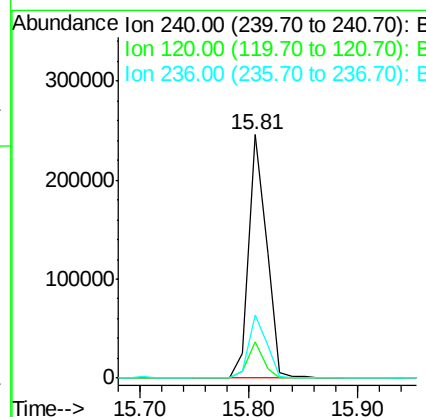
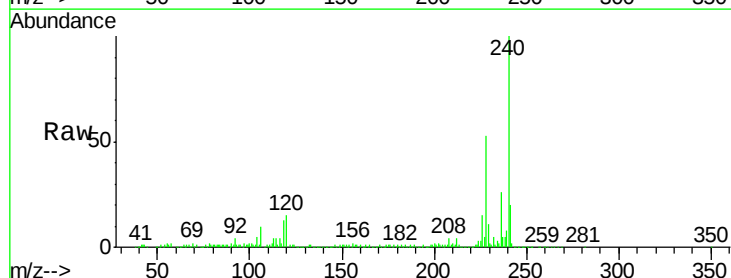
RT: 15.81 min Scan# 1279

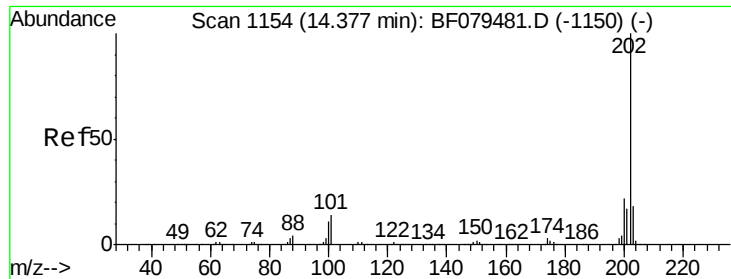
Delta R.T. -0.03 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	279754		
120	14.9	10.8	16.2	
236	25.8	21.0	31.6	





#77

Pvrene

Concen: 28.58 ng

RT: 14.31 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_F

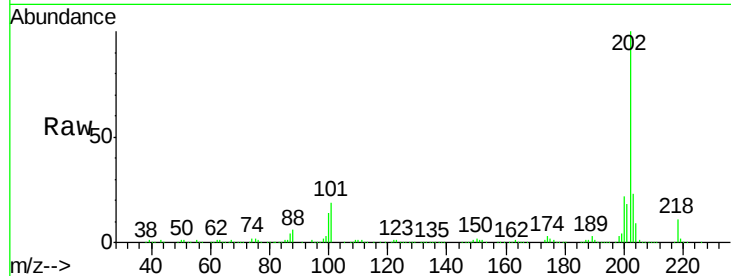
ClientSampled :

TP-9-SS

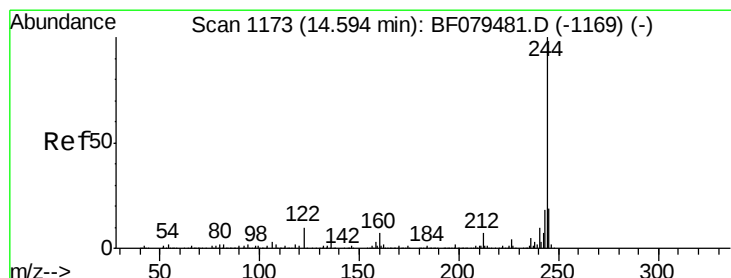
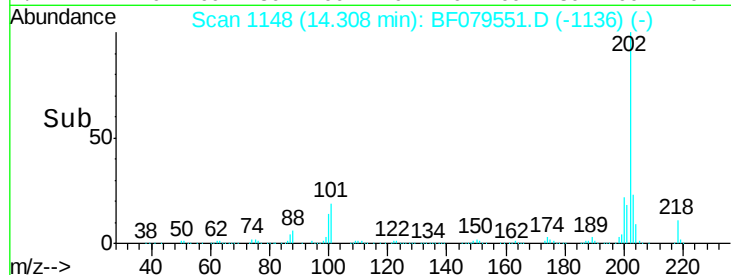
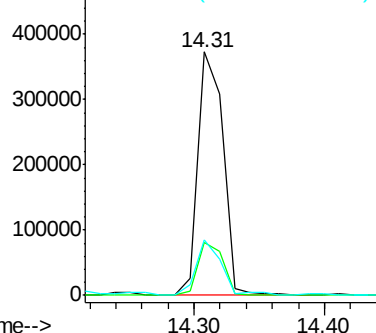
Tot Ion:	202	Resp:	495294
Ion Ratio		Lower	Upper
202	100		
200	22.0	17.5	26.3
203	23.0	14.4	21.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 51.74 ng

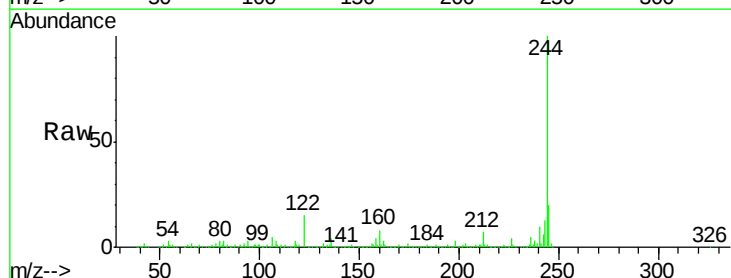
RT: 14.53 min Scan# 1167

Delta R.T. -0.01 min

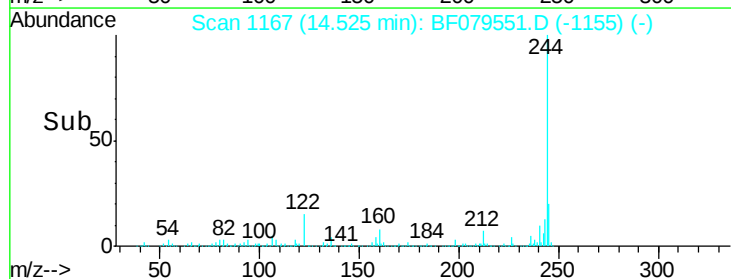
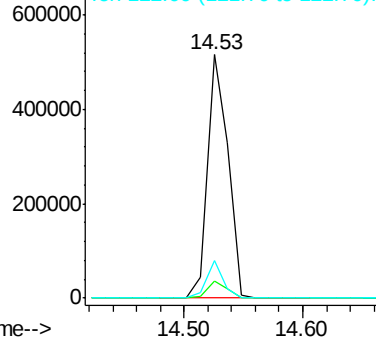
Lab File: BF079551.D

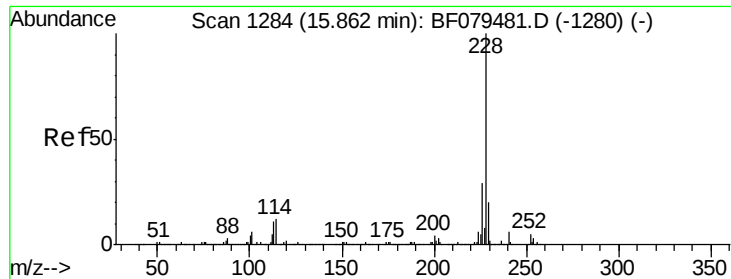
Acq: 28 May 2015 18:32

Tgt Ion:	244	Resp:	616785
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.2	7.8
122	15.2	8.0	12.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





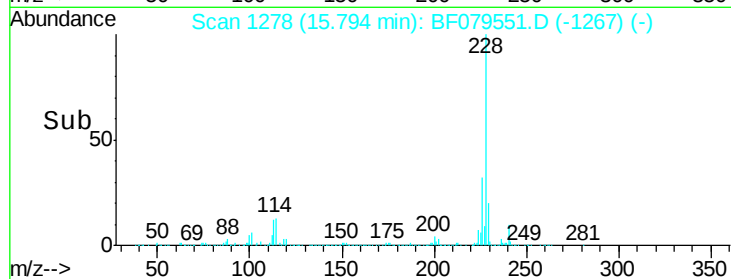
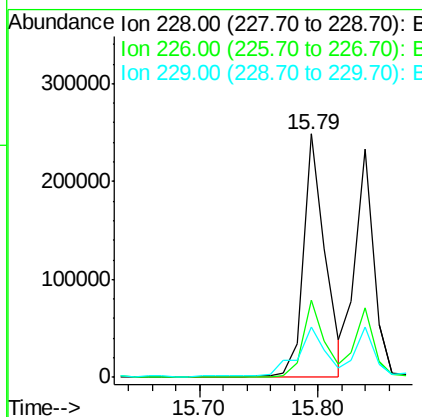
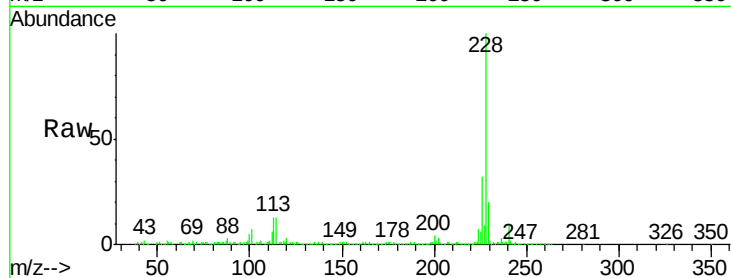
#80
Benzo(a)anthracene
Concen: 19.50 ng
RT: 15.79 min Scan# 1278
Delta R.T. -0.03 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Instrument :
BNA_F
ClientSampleId :
TP-9-SS

Tot Ion:	228	Resp:	313742
Ion Ratio	Lower	Upper	
228	100		
226	31.9	22.8	34.2
229	20.4	15.9	23.9

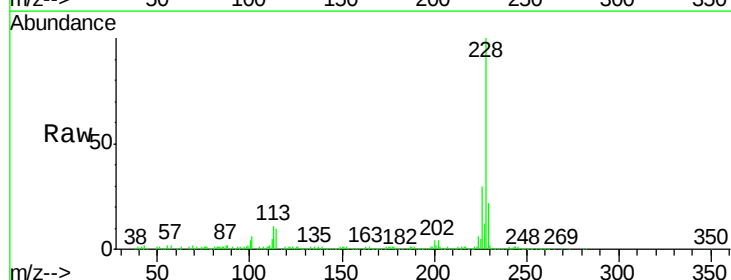
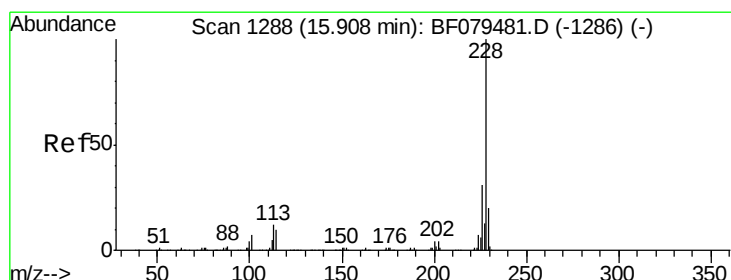
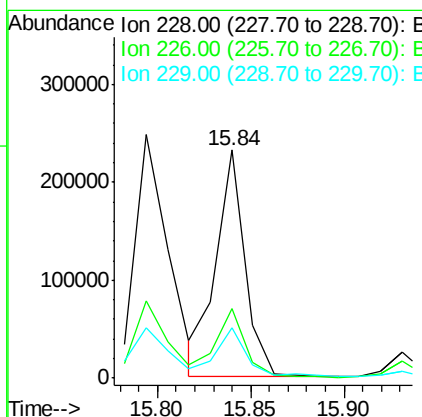
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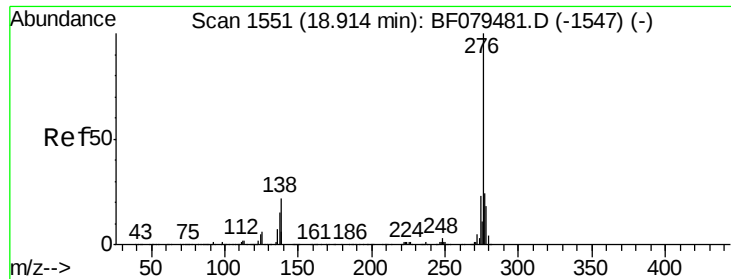
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#82
Chrysene
Concen: 16.40 ng
RT: 15.84 min Scan# 1282
Delta R.T. -0.03 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Tgt Ion:	228	Resp:	250858
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.4
229	22.0	15.9	23.9





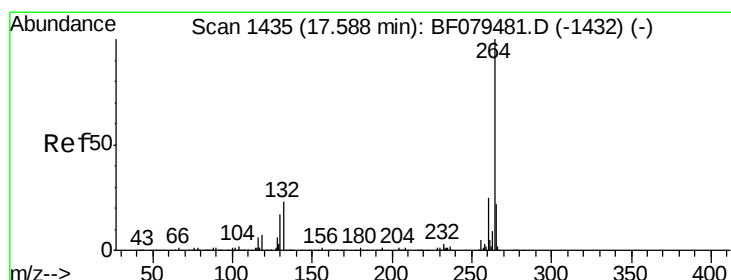
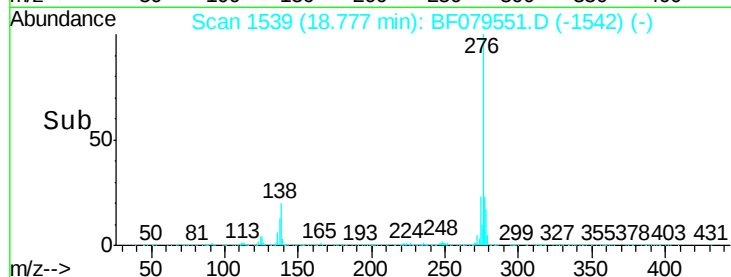
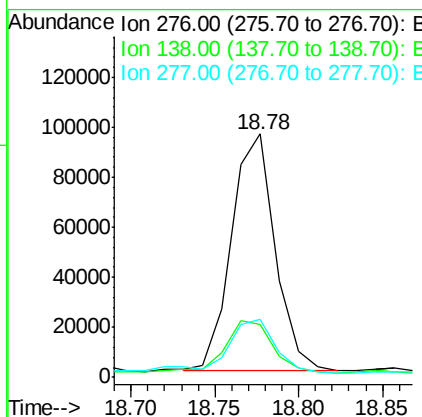
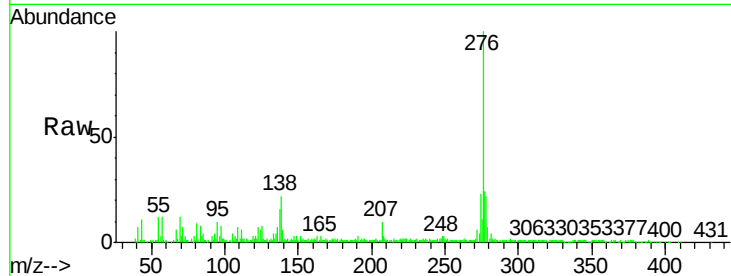
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.71 ng/mL
 RT: 18.78 min Scan# 1539
 Delta R.T. -0.24 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Instrument :
 BNA_F
 ClientSampleID :
 TP-9-SS

Tot Ion	Ratio	Resp	Lower	Upper
276	100	171337		
138	4.4	21.4	32.2#	
277	5.5	19.8	29.6#	

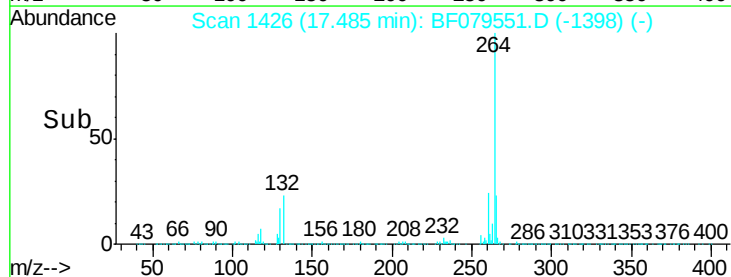
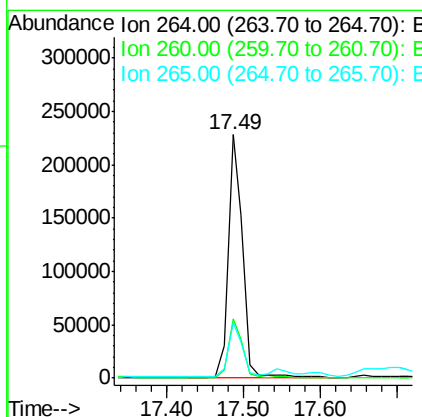
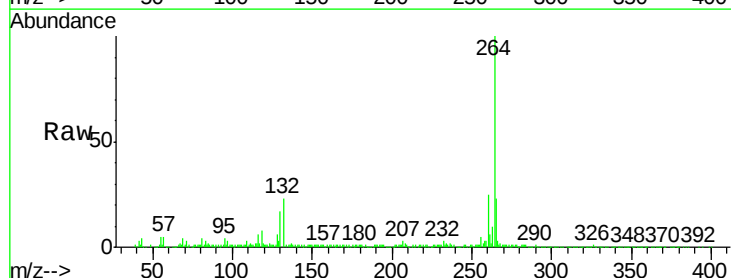
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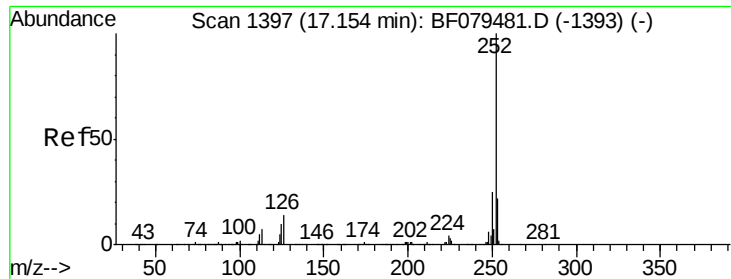
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.49 min Scan# 1426
 Delta R.T. -0.18 min
 Lab File: BF079551.D
 Acq: 28 May 2015 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	300189		
260	24.6	19.8	29.8	
265	23.0	17.8	26.6	





#87

Benzo(b)fluoranthene

Concen: 25.48 ng m

RT: 17.06 min Scan# 1389

Delta R.T. -0.14 min

Lab File: BF079551.D

Acq: 28 May 2015 18:32

Instrument :

BNA_F

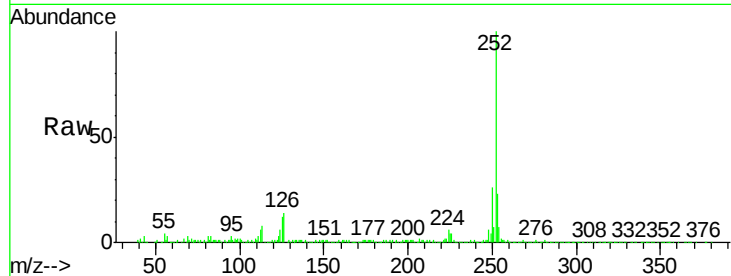
ClientSampleId :

TP-9-SS

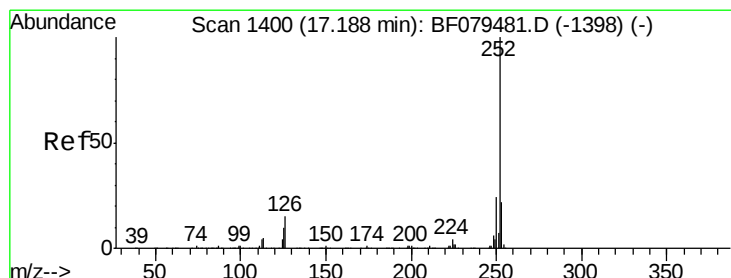
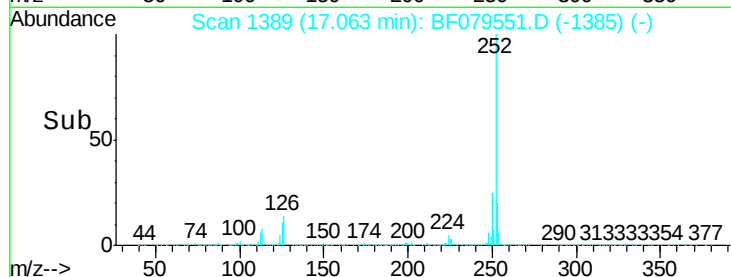
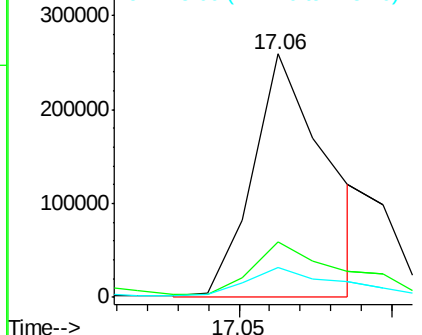
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	12.2	7.8	11.6

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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



#88

Benzo(k)fluoranthene

Concen: 5.21 ng m

RT: 17.09 min Scan# 1391

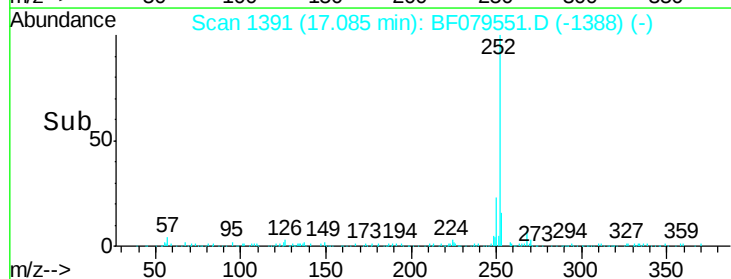
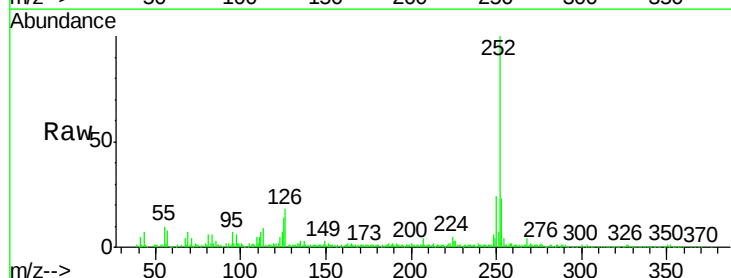
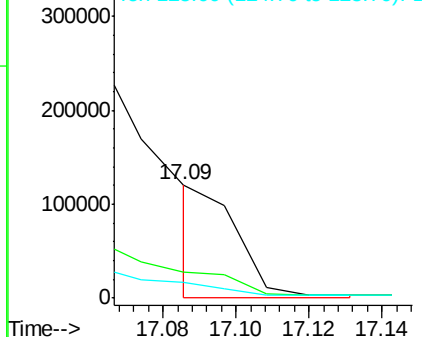
Delta R.T. -0.15 min

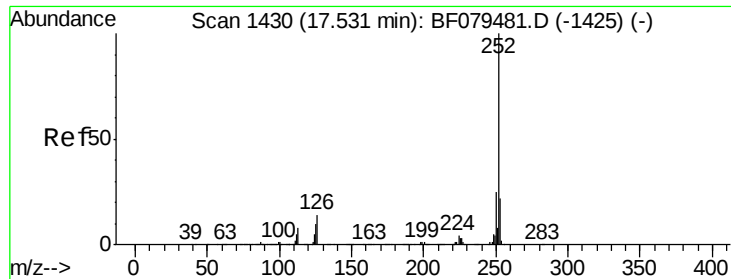
Lab File: BF079551.D

Acq: 28 May 2015 18:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	13.6	6.8	10.2

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





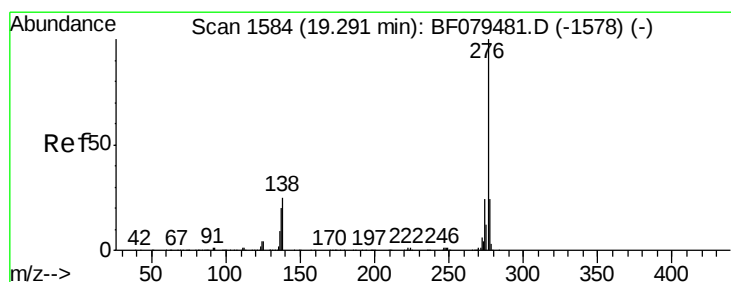
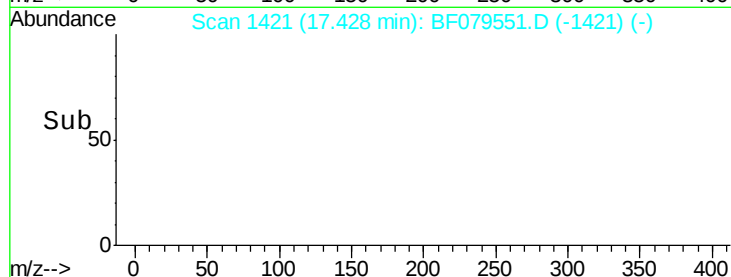
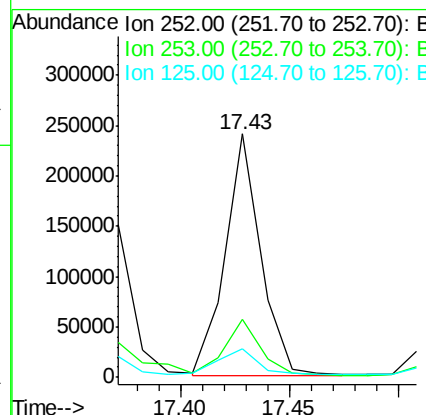
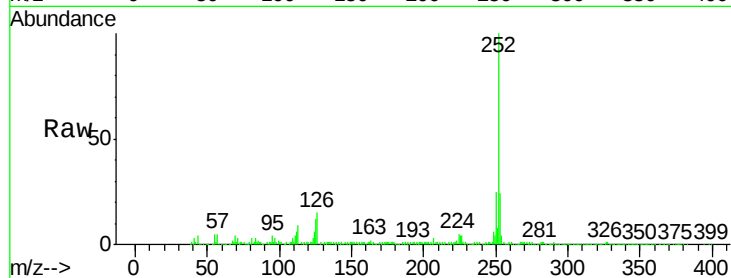
#89
Benzo(a)pyrene
Concen: 16.89 ng
RT: 17.43 min Scan# 1421
Delta R.T. -0.18 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Instrument :
BNA_F
ClientSampleId :
TP-9-SS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	11.7	7.9	11.9

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#91
Benzo(g,h,i)perylene
Concen: 8.35 ng
RT: 19.14 min Scan# 1571
Delta R.T. -0.26 min
Lab File: BF079551.D
Acq: 28 May 2015 18:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	25.9	20.1	30.1

