

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052815\
 Data File : BF079547.D
 Acq On : 28 May 2015 16:35
 Operator : TP/IZ
 Sample : G2386-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-SS

Manual Integrations
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Quant Time: May 29 08:59:14 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	76013	20.00	ng	0.00
21) Naphthalene-d8	8.54	136	306156	20.00	ng	0.00
38) Acenaphthene-d10	10.71	164	143735	20.00	ng	0.00
63) Phenanthrene-d10	12.54	188	262177	20.00	ng	0.00
75) Chrysene-d12	15.81	240	273542	20.00	ng	-0.03
86) Perylene-d12	17.47	264	295064	20.00	ng	-0.19
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	446049	101.78	ng	0.01
7) Phenol-d6	6.56	99	603751	108.08	ng	0.00
23) Nitrobenzene-d5	7.66	82	354624	66.96	ng	-0.01
41) 2,4,6-Tribromophenol	11.69	330	159226	100.86	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	671445	66.65	ng	0.00
78) Terphenyl-d14	14.53	244	702231	60.25	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.56	128	64482	4.39	ng	97
37) 2-Methylnaphthalene	9.43	142	45820	4.49	ng	99
48) Acenaphthylene	10.52	152	75359	5.12	ng	100
49) Dimethylphthalate	10.40	163	57219	5.40	ng	99
70) Phenanthrene	12.57	178	154155	10.72	ng	98
71) Anthracene	12.63	178	83575	5.72	ng	99
74) Fluoranthene	14.03	202	279036	18.09	ng	95
77) Pyrene	14.31	202	266650	15.73	ng	# 96
80) Benzo(a)anthracene	15.79	228	219039m	13.92	ng	
82) Chrysene	15.84	228	197395	13.20	ng	98
85) Indeno(1,2,3-cd)pyrene	18.75	276	203838m	10.60	ng	
87) Benzo(b)fluoranthene	17.06	252	378738m	22.51	ng	
88) Benzo(k)fluoranthene	17.09	252	122256m	8.12	ng	
89) Benzo(a)pyrene	17.42	252	250914	15.75	ng	97
91) Benzo(a,h,i)perylene	19.13	276	200764	11.45	ng	97

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

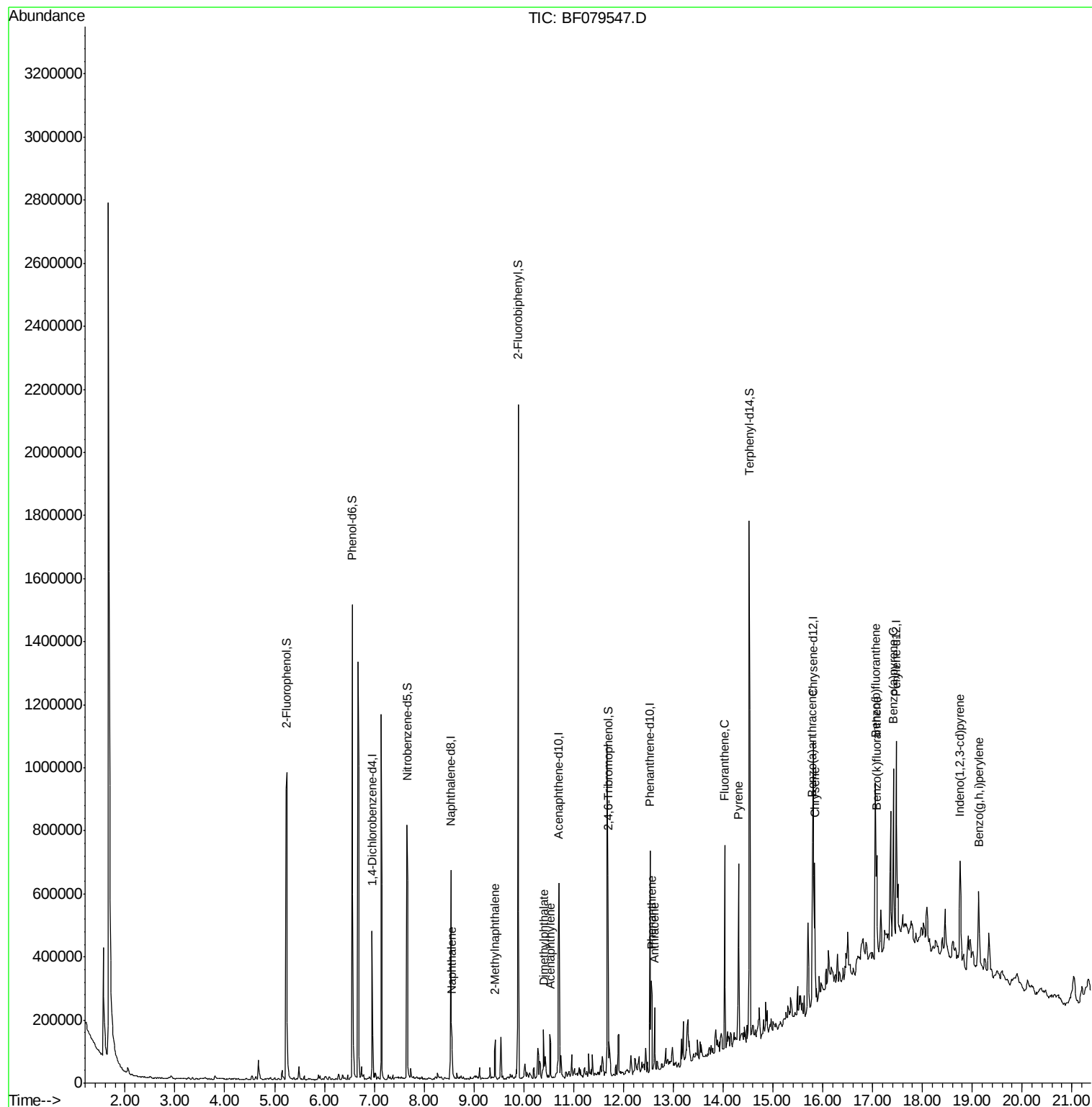
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052815\
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#1

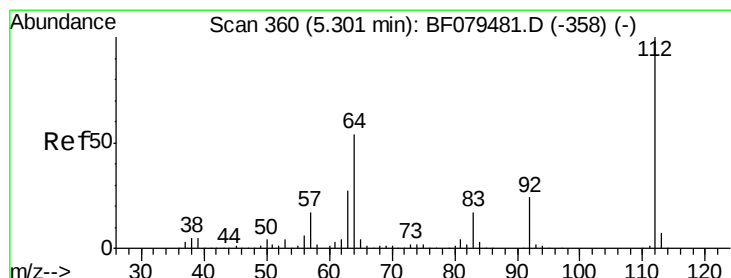
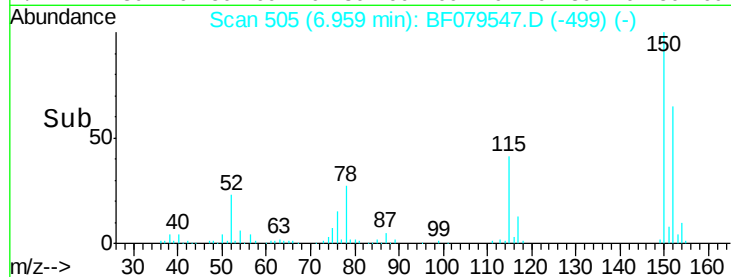
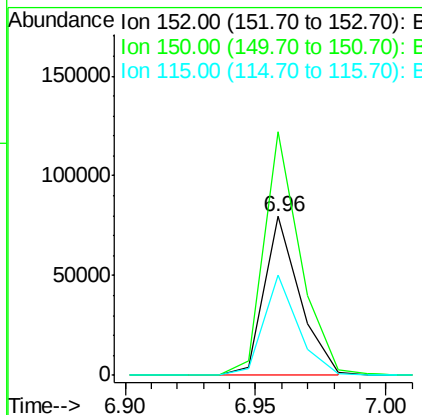
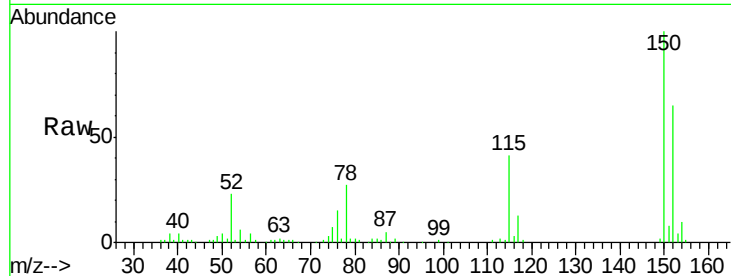
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Instrument :
BNA_F
ClientSampleId :
TP-8-SS

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.0	186.0
115	63.2	49.6	74.4

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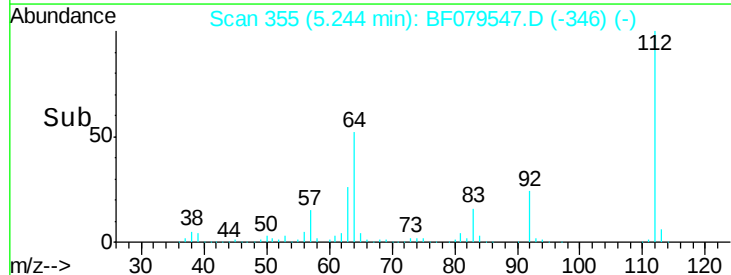
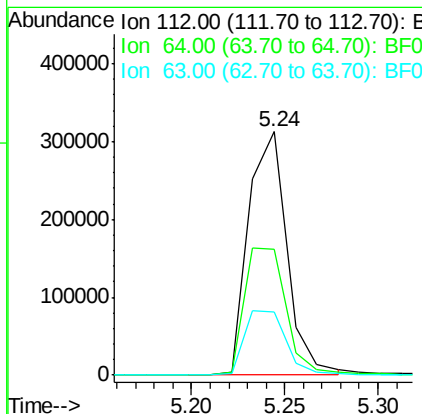
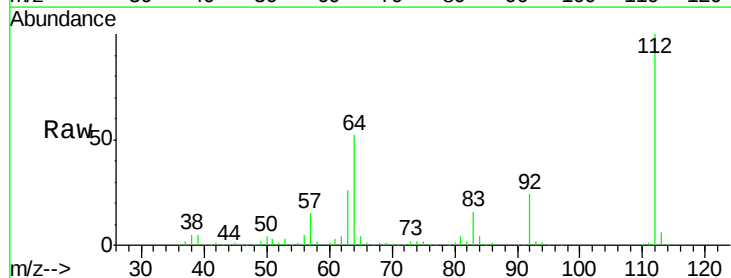
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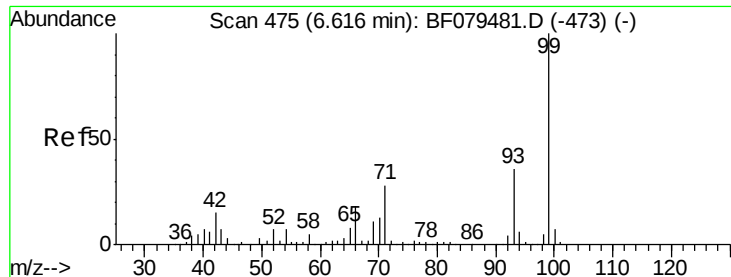


#5

2-Fluorophenol
Concen: 101.78 ng
RT: 5.24 min Scan# 355
Delta R.T. 0.01 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	43.5	65.3
63	25.8	21.8	32.8





#7

Phenol-d6

Concen: 108.08 ng

RT: 6.56 min Scan# 470

Delta R.T. 0.00 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_F

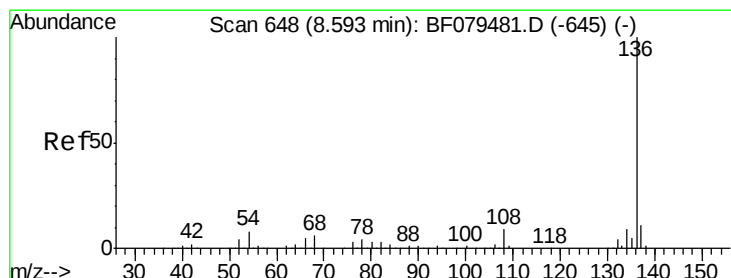
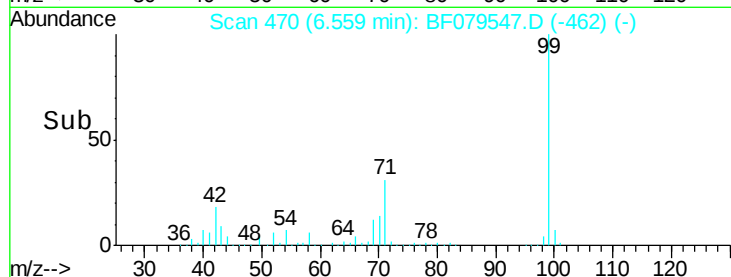
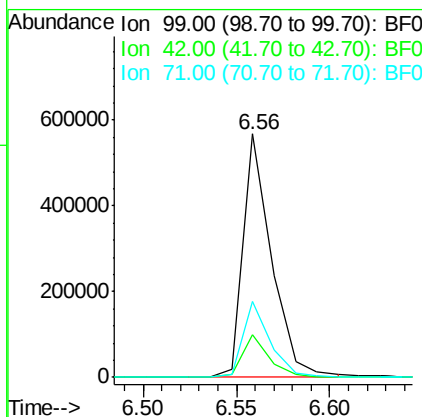
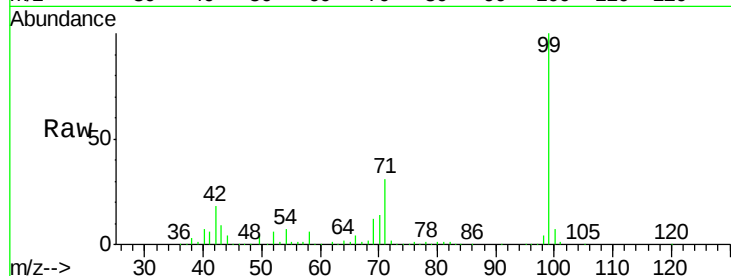
ClientSampleId :

TP-8-SS

Tot Ion:	99	Resp:	603751
Ion Ratio	Lower	Upper	
99	100		
42	17.6	11.9	17.9
71	31.2	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

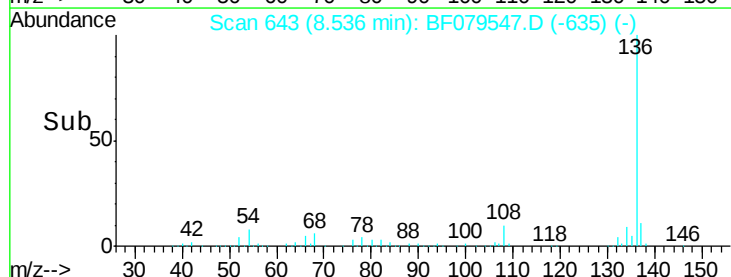
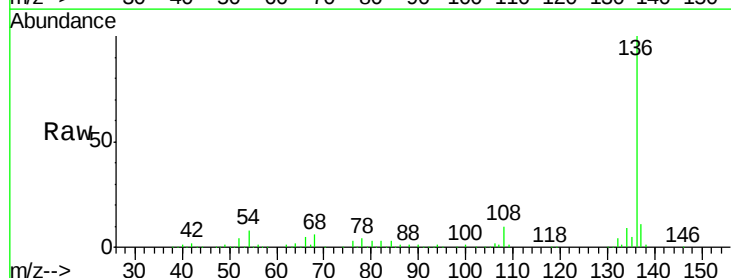
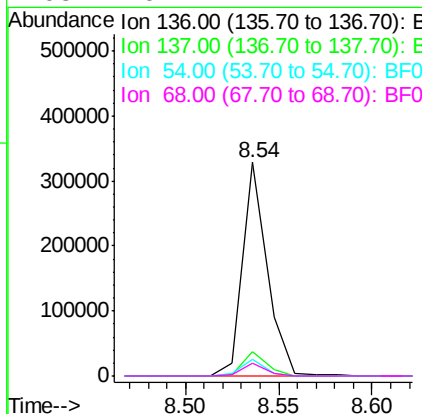
RT: 8.54 min Scan# 643

Delta R.T. -0.00 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Tgt Ion:	136	Resp:	306156
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	8.0	6.6	9.8
68	6.2	4.7	7.1





#23

Nitrobenzene-d5

Concen: 66.96 ng

RT: 7.66 min Scan# 566

Delta R.T. -0.01 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_F

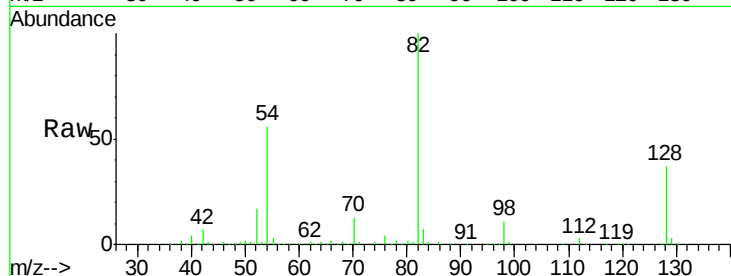
ClientSampled :

TP-8-SS

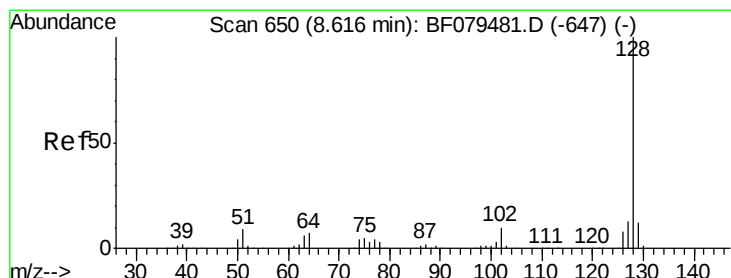
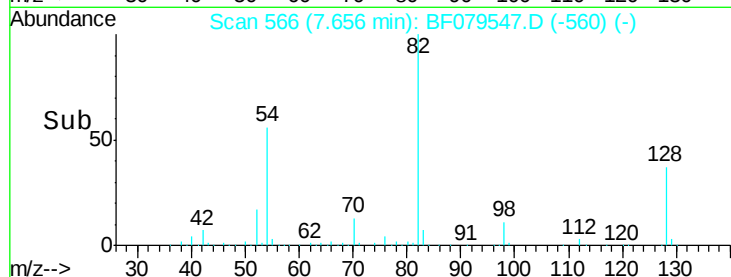
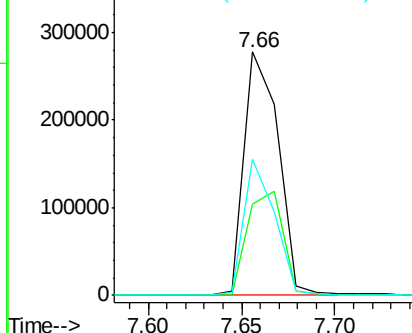
Tot Ion:	82	Resp:	354624
Ion Ratio	Lower	Upper	
82	100		
128	37.4	30.8	46.2
54	55.9	42.8	64.2

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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: 4.39 ng

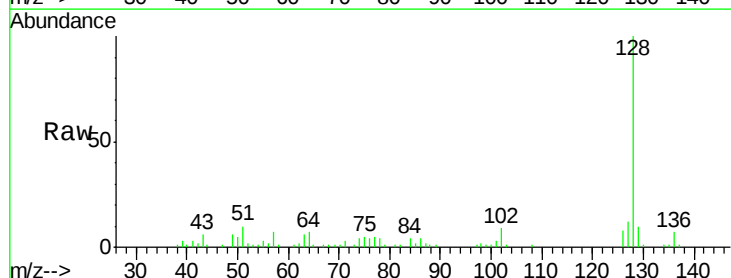
RT: 8.56 min Scan# 645

Delta R.T. -0.01 min

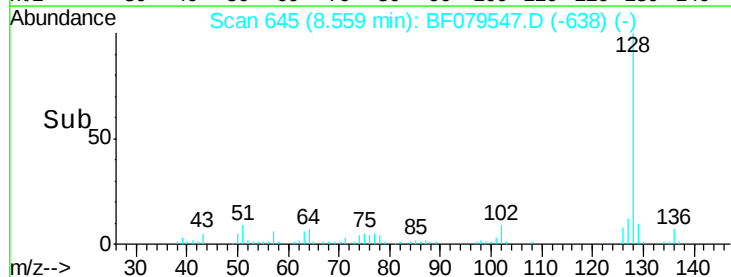
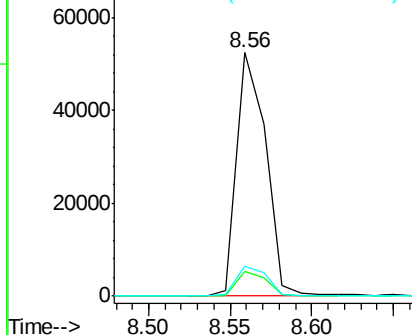
Lab File: BF079547.D

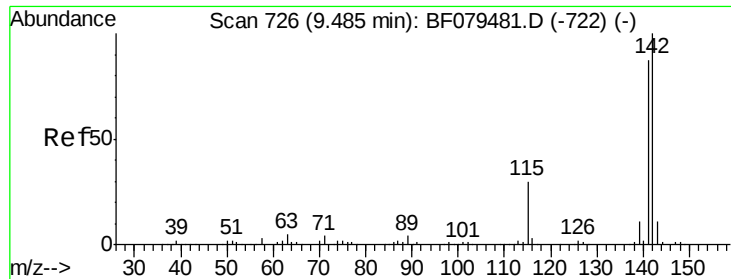
Acq: 28 May 2015 16:35

Tgt Ion:	128	Resp:	64482
Ion Ratio	Lower	Upper	
128	100		
129	10.3	9.3	13.9
127	12.2	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





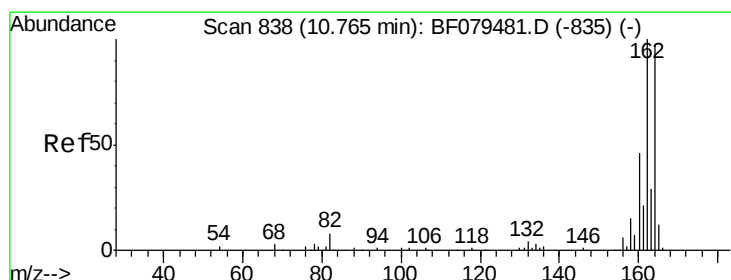
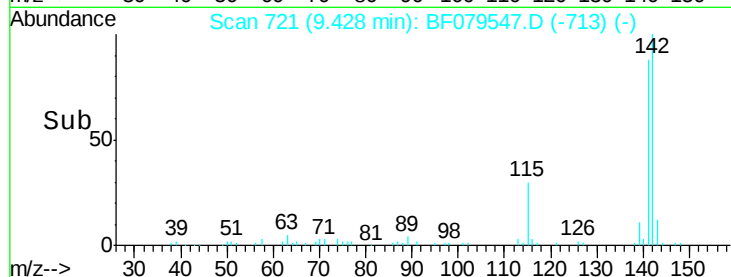
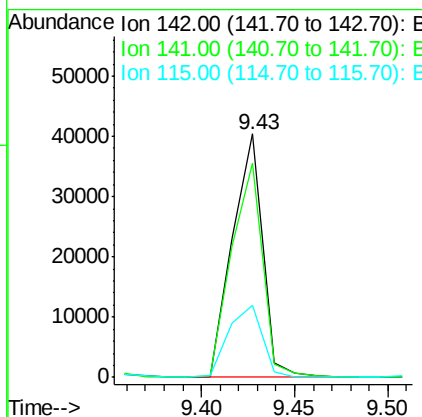
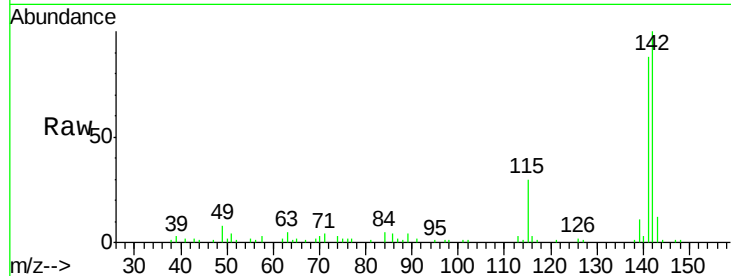
#37
 2-Methylnaphthalene
 Concen: 4.49 ng
 RT: 9.43 min Scan# 721
 Delta R.T. -0.00 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Instrument :
 BNA_F
 ClientSampleID :
 TP-8-SS

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	69.5	104.3
115	29.7	23.8	35.6

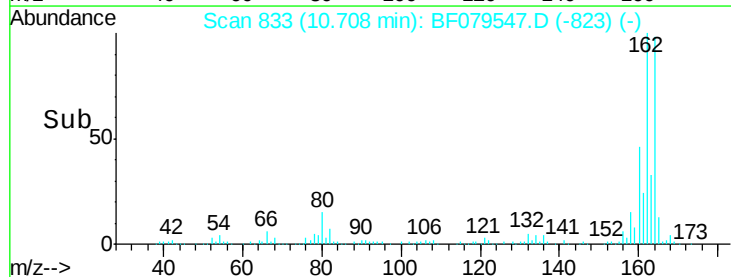
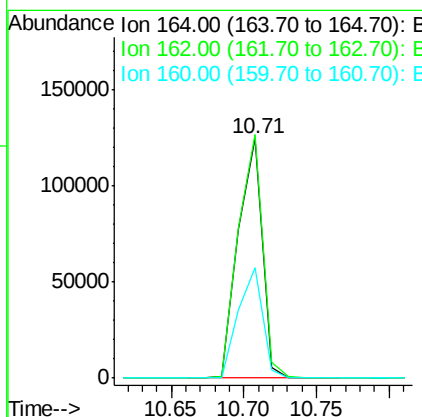
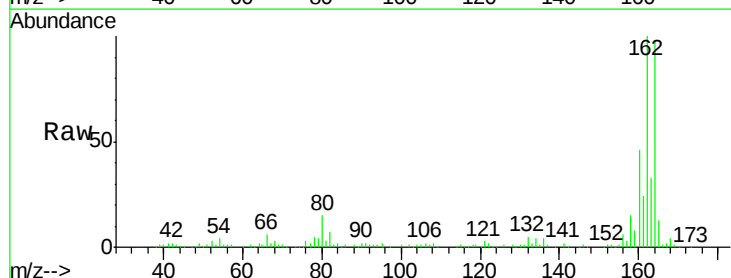
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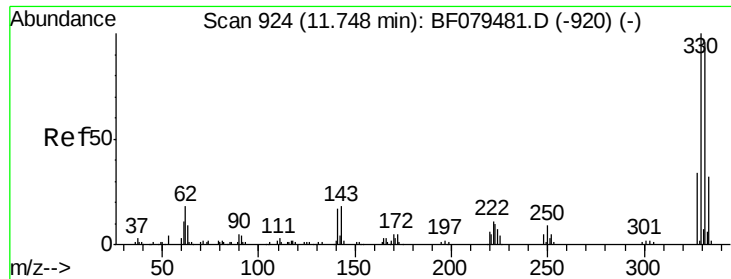
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.71 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	124.0
160	46.3	37.7	56.5





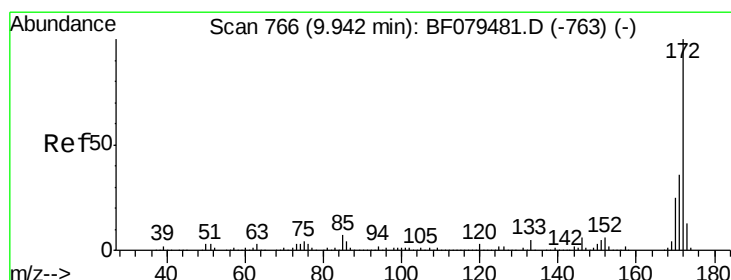
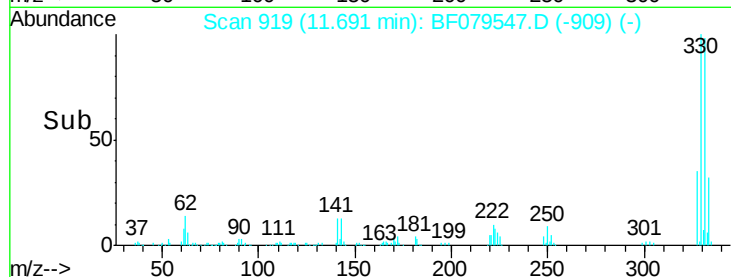
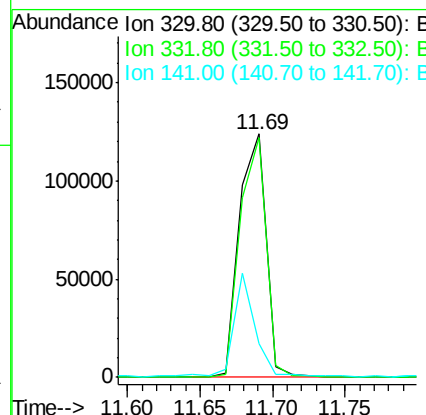
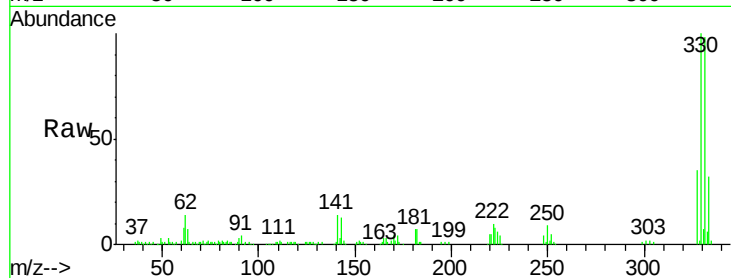
#41
 2,4,6-Tribromophenol
 Concen: 100.86 ng
 RT: 11.69 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-SS

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	34.2	0.0	0.0#

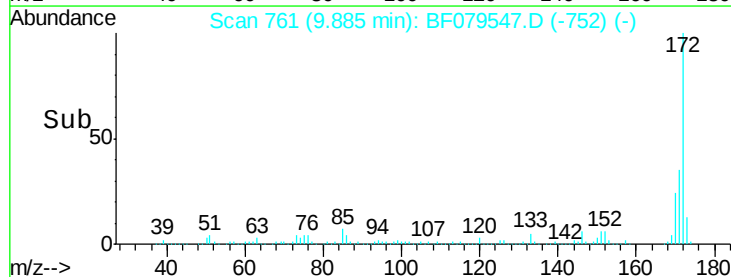
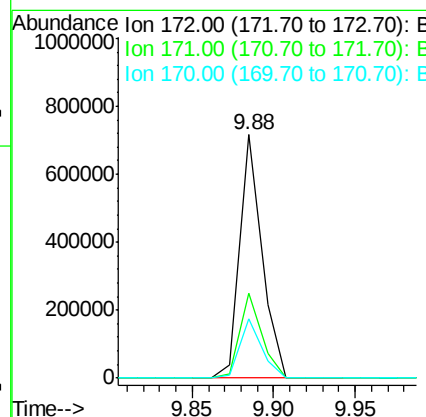
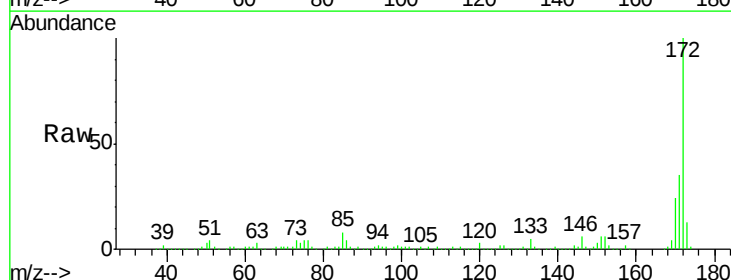
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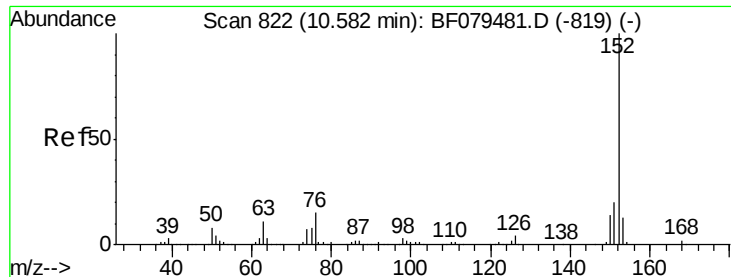
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#44
 2-Fluorobiphenyl
 Concen: 66.65 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.1	28.5	42.7
170	24.3	19.7	29.5





#48

Acenaphthylene

Concen: 5.12 ng

RT: 10.52 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_F

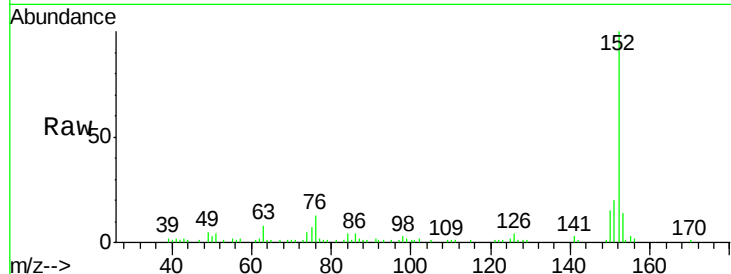
ClientSampleId :

TP-8-SS

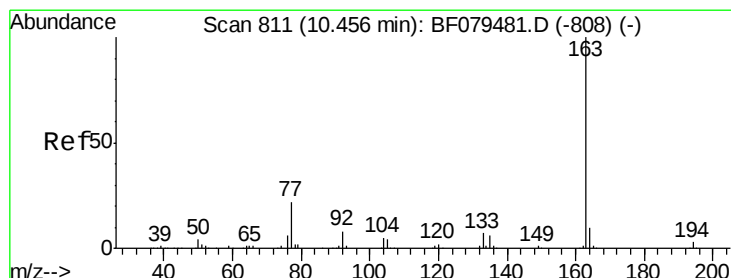
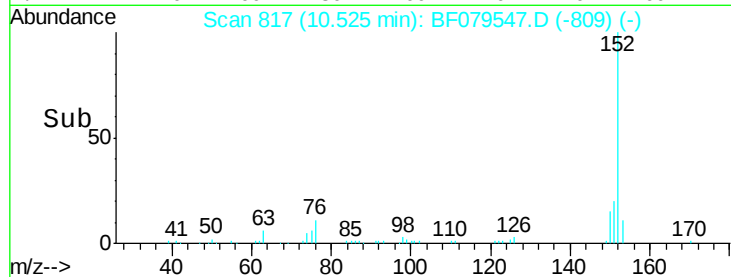
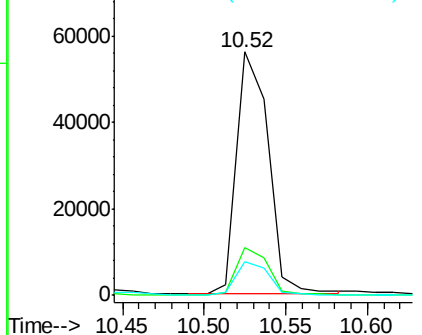
Tot Ion:	152	Resp:	75359
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.8
153	13.7	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.40 ng

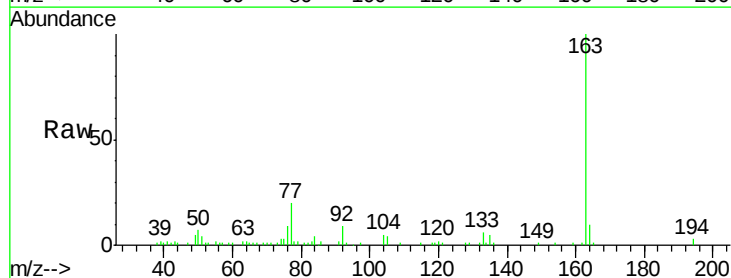
RT: 10.40 min Scan# 806

Delta R.T. -0.01 min

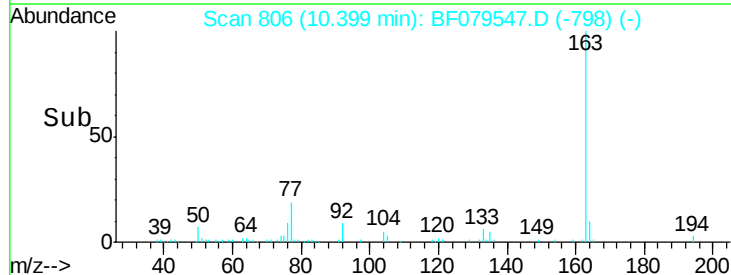
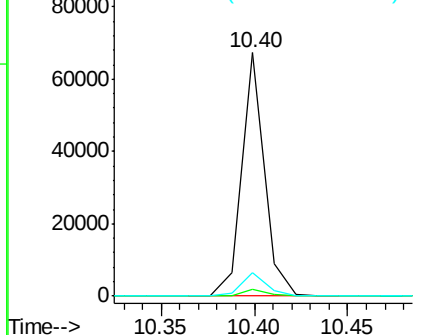
Lab File: BF079547.D

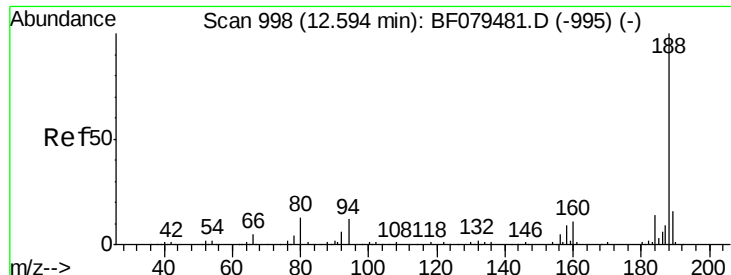
Acq: 28 May 2015 16:35

Tgt Ion:	163	Resp:	57219
Ion Ratio	Lower	Upper	
163	100		
194	3.0	2.4	3.6
164	9.6	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





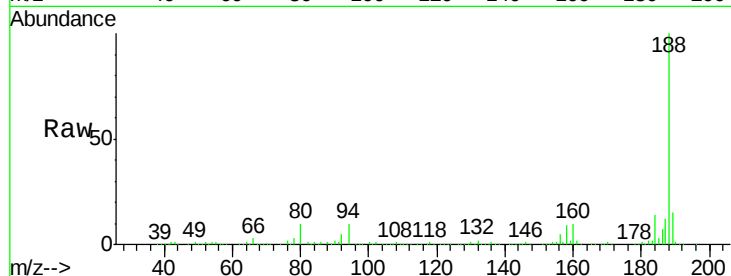
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.54 min Scan# 993
Delta R.T. -0.00 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Instrument :
BNA_F
ClientSampleId :
TP-8-SS

Tot Ion	Ratio	Resp	Lower	Upper
188	100	262177		
94	9.7	9.8	14.6#	
80	10.0	10.5	15.7#	

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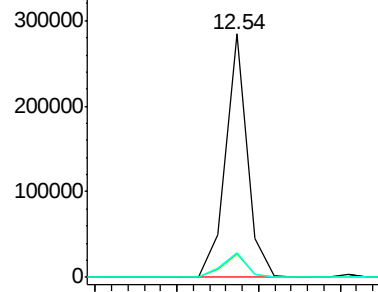
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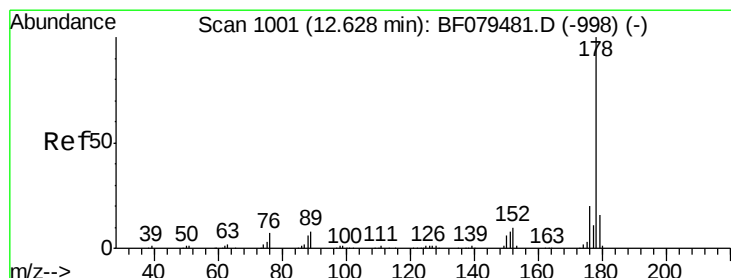
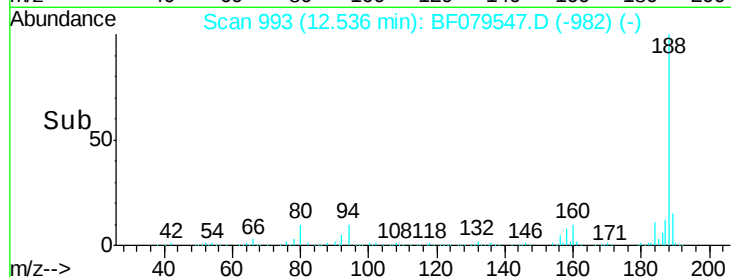
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

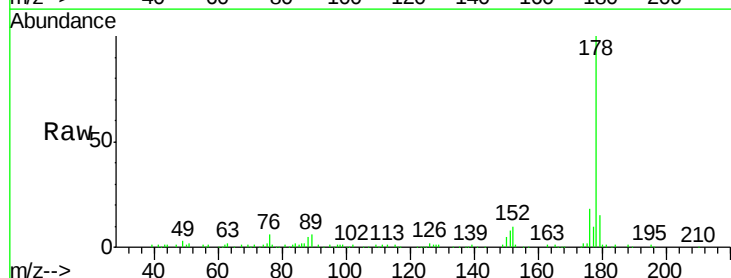


Time--> 12.45 12.50 12.55 12.60



#70
Phenanthrene
Concen: 10.72 ng
RT: 12.57 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

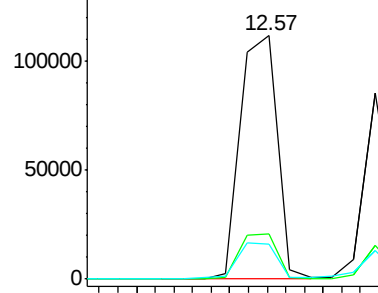
Tgt Ion	Ratio	Resp	Lower	Upper
178	100	154155		
176	18.3	15.7	23.5	
179	14.6	12.4	18.6	



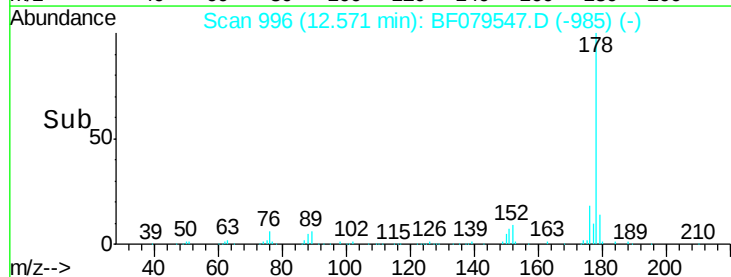
Abundance Ion 178.00 (177.70 to 178.70): E

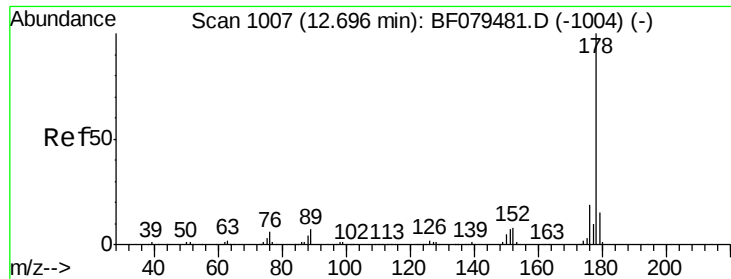
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 12.50 12.55 12.60





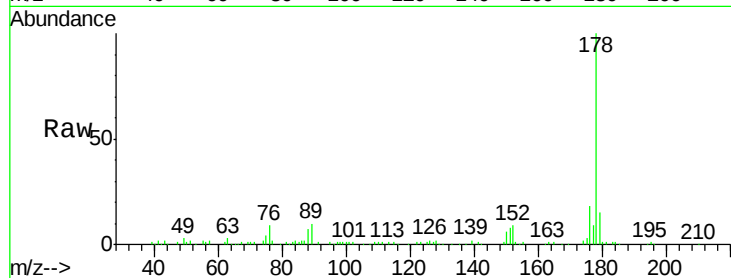
#71
 Anthracene
 Concen: 5.72 ng
 RT: 12.63 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-SS

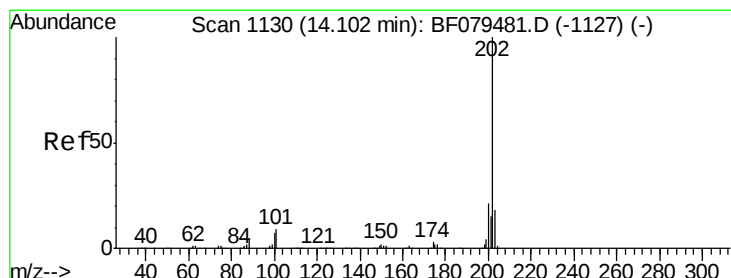
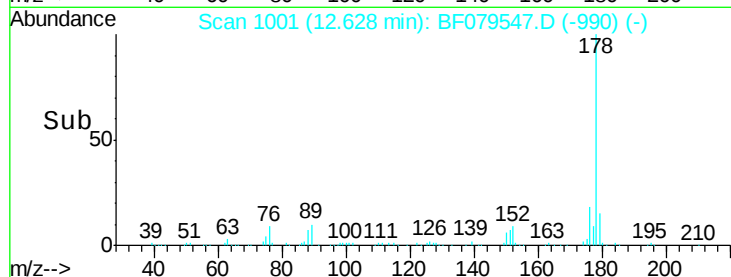
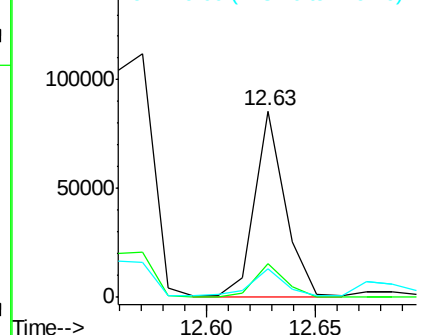
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	15.2	12.2	18.4

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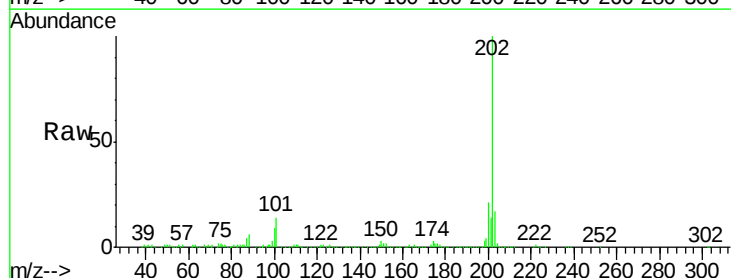


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

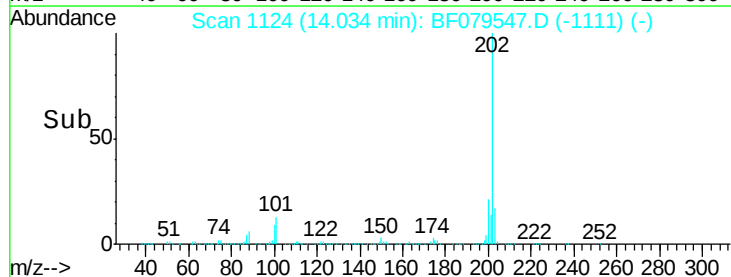
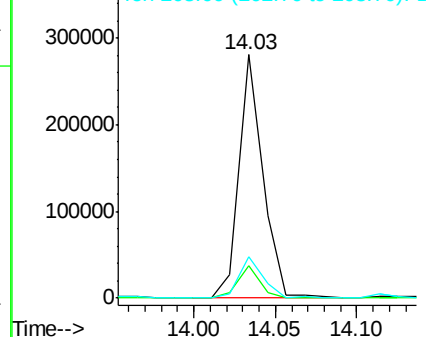


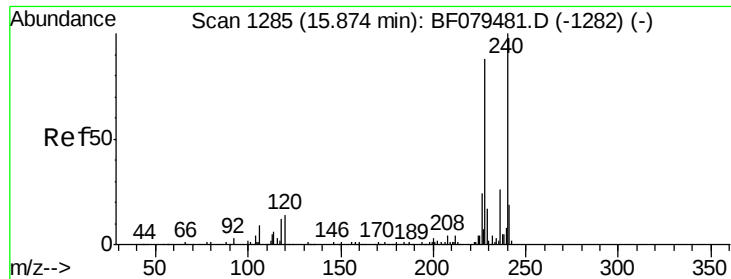
#74
 Fluoranthene
 Concen: 18.09 ng
 RT: 14.03 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: BF079547.D
 Acq: 28 May 2015 16:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	29.3
203	17.2	0.0	37.6



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: 15.81 min Scan# 1279

Delta R.T. -0.03 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_F

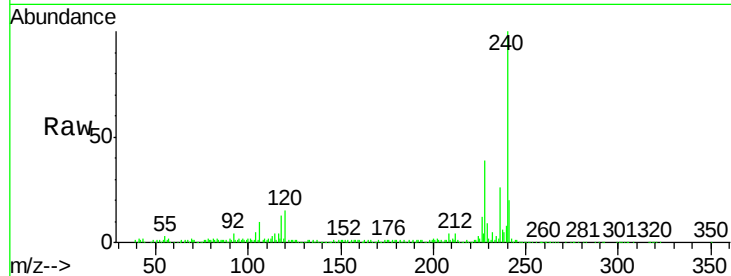
ClientSampleId :

TP-8-SS

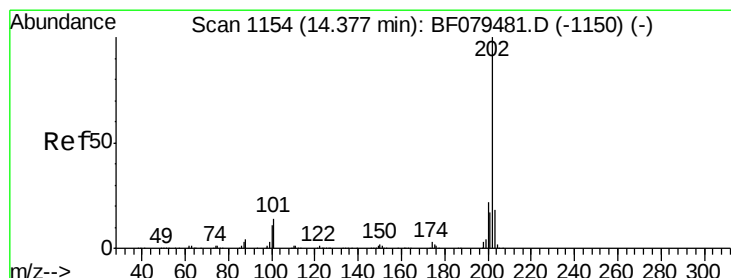
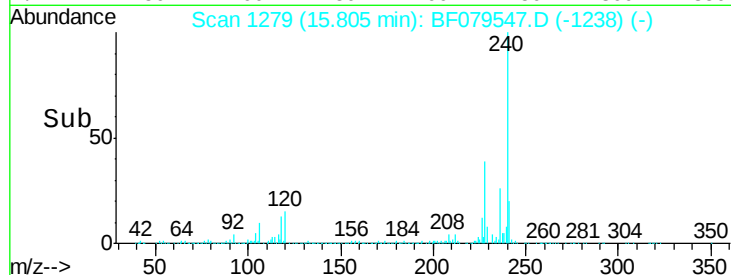
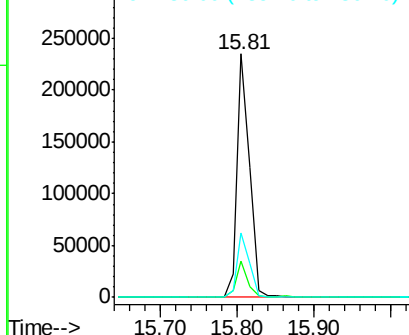
Tot Ion:	240	Resp:	273542
Ion Ratio	Lower	Upper	
240	100		
120	14.8	10.8	16.2
236	26.4	21.0	31.6

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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

Pyrene

Concen: 15.73 ng

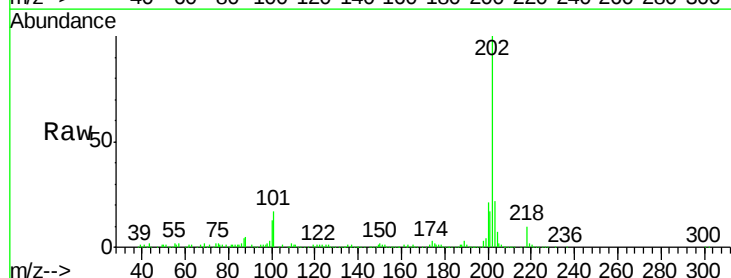
RT: 14.31 min Scan# 1148

Delta R.T. -0.01 min

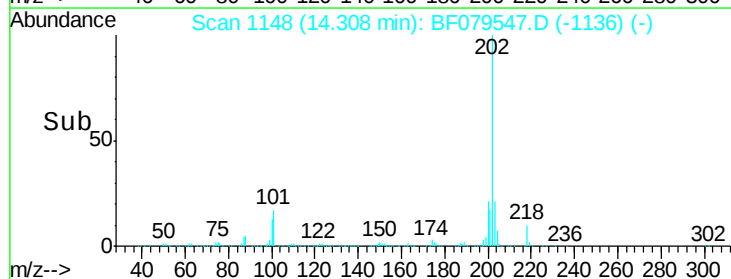
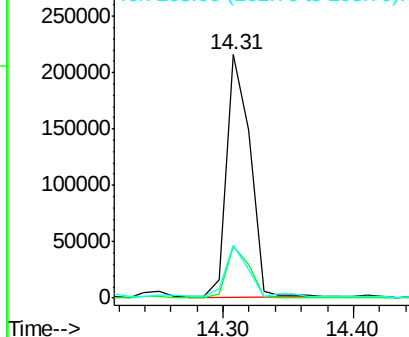
Lab File: BF079547.D

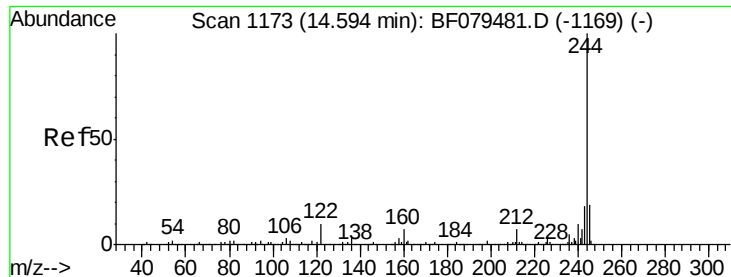
Acq: 28 May 2015 16:35

Tgt Ion:	202	Resp:	266650
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.5	26.3
203	21.6	14.4	21.6#



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: 60.25 ng

RT: 14.53 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF079547.D

Acq: 28 May 2015 16:35

Instrument :

BNA_F

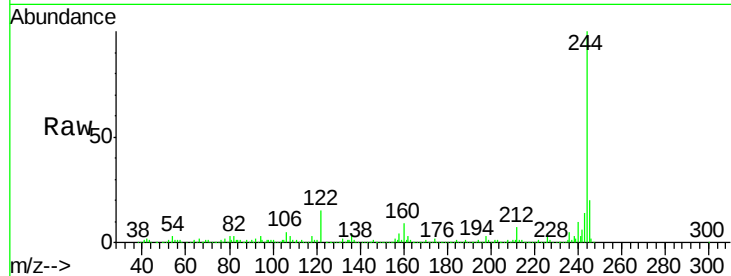
ClientSampled :

TP-8-SS

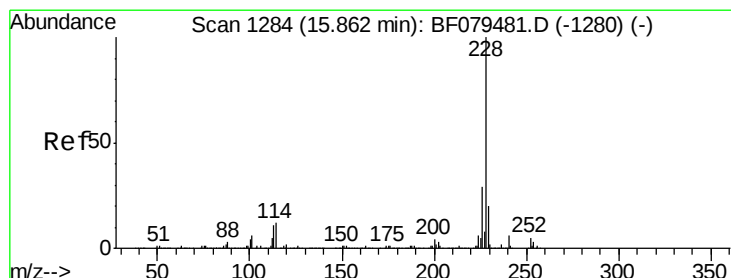
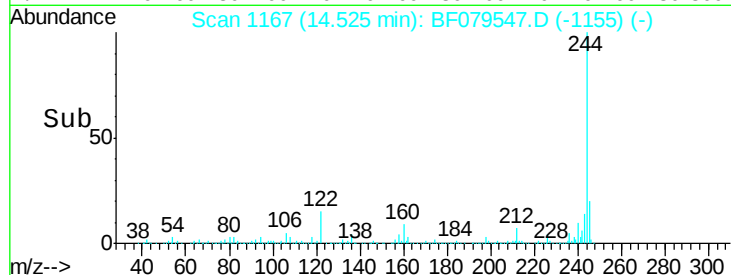
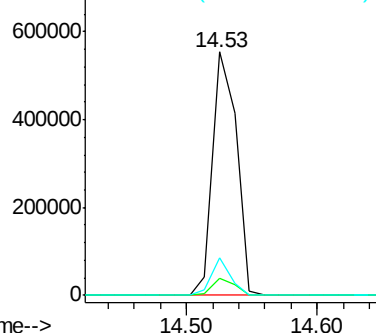
Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.2	7.8
122	15.4	8.0	12.0

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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: 13.92 ng m

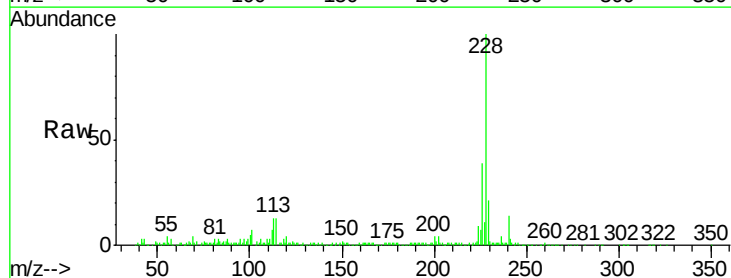
RT: 15.79 min Scan# 1278

Delta R.T. -0.03 min

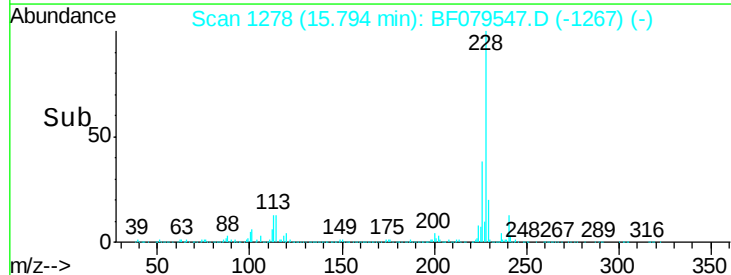
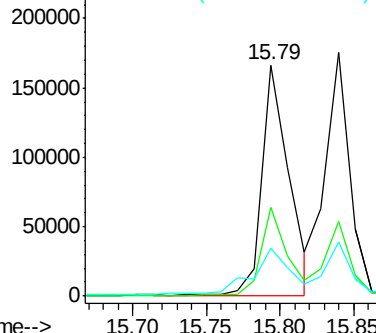
Lab File: BF079547.D

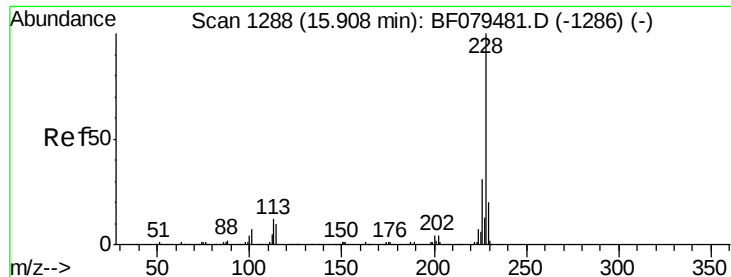
Acq: 28 May 2015 16:35

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	38.6	22.8	34.2
229	20.8	15.9	23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





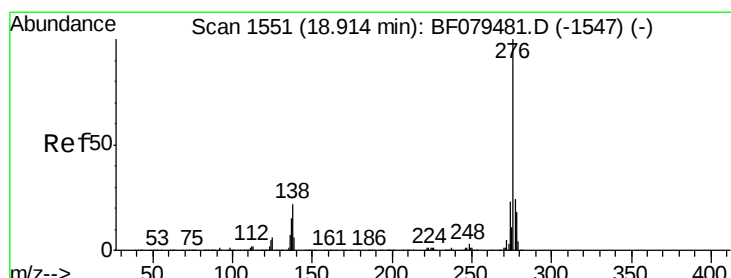
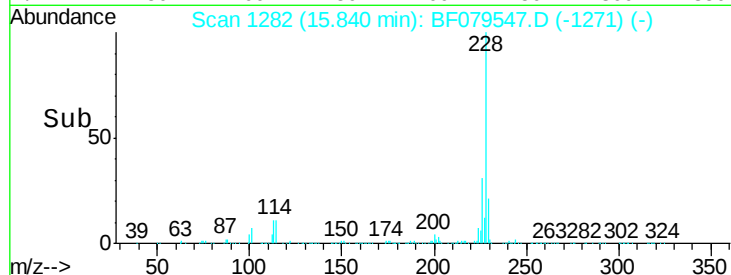
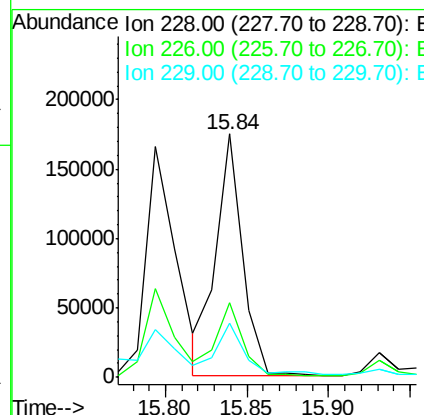
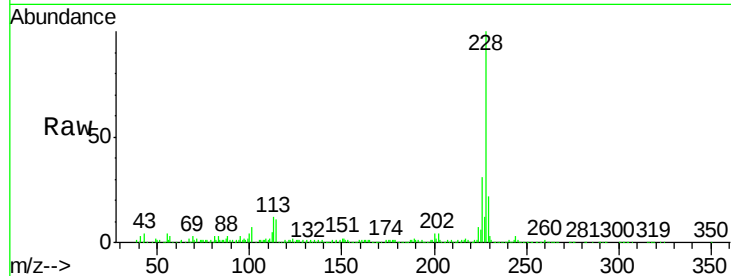
#82
Chrysene
Concen: 13.20 ng
RT: 15.84 min Scan# 1282
Delta R.T. -0.03 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Instrument :
BNA_F
ClientSampleId :
TP-8-SS

Tot Ion	Ratio	Resp	Lower	Upper
228	100	197395		
226	30.9	25.0	37.4	
229	22.1	15.9	23.9	

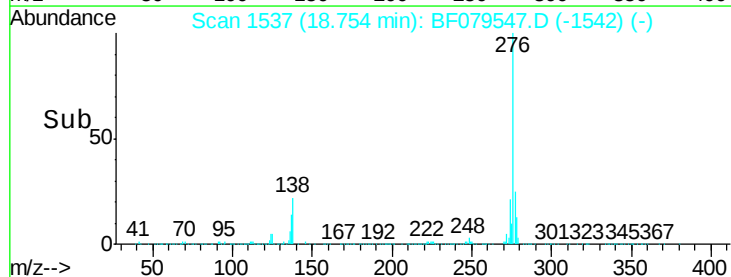
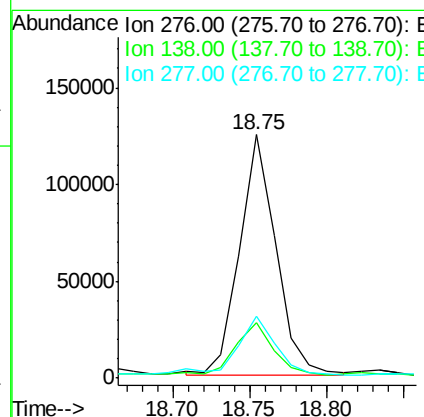
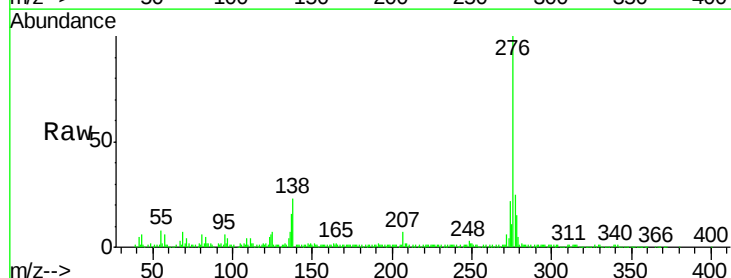
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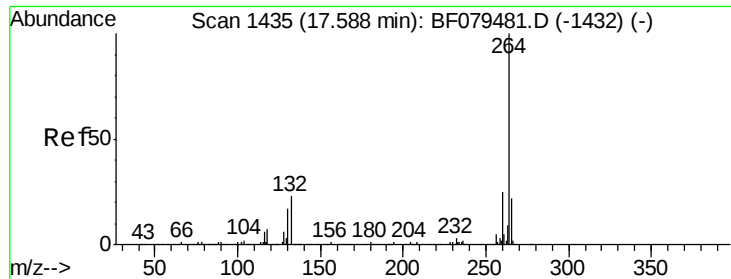
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.60 ng m
RT: 18.75 min Scan# 1537
Delta R.T. -0.26 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	203838		
138	3.6	21.4	32.2#	
277	0.0	19.8	29.6#	





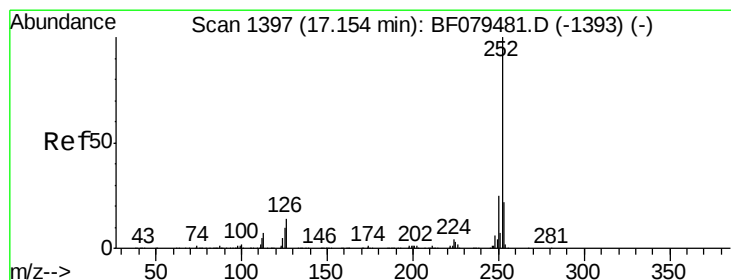
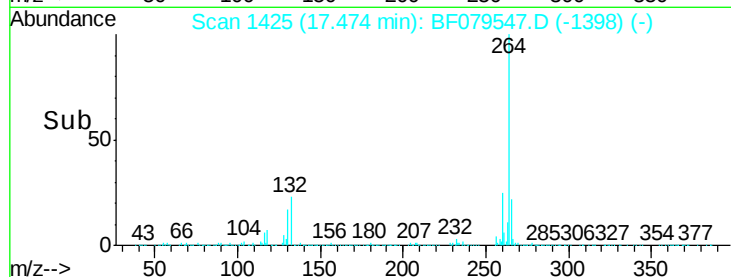
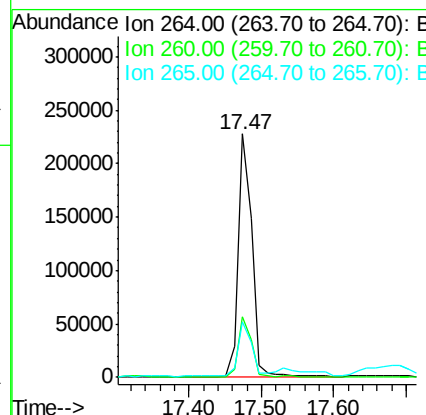
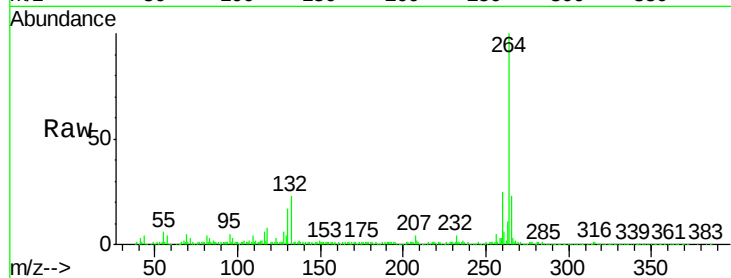
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.47 min Scan# 1425
Delta R.T. -0.19 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Instrument :
BNA_F
ClientSampleId :
TP-8-SS

Tot Ion	Ratio	Resp	Lower	Upper
264	100	295064		
260	25.0	19.8	29.8	
265	22.5	17.8	26.6	

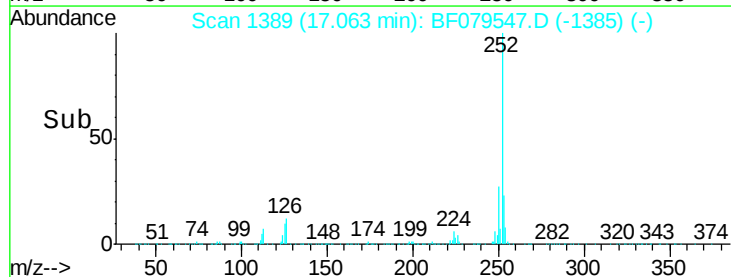
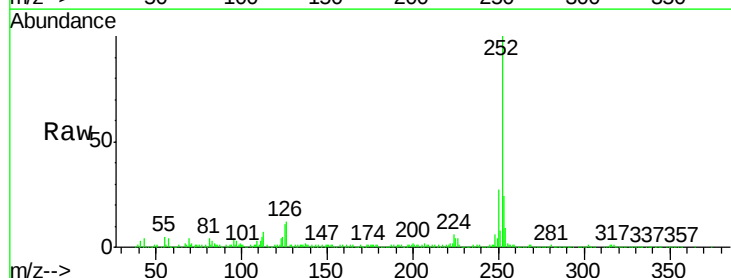
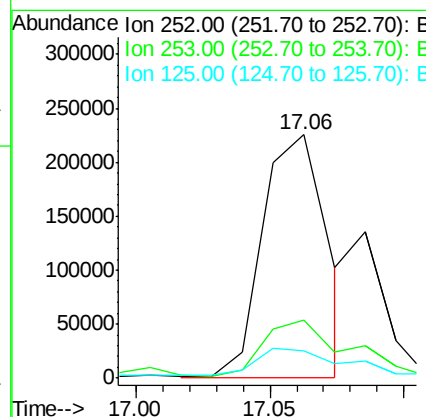
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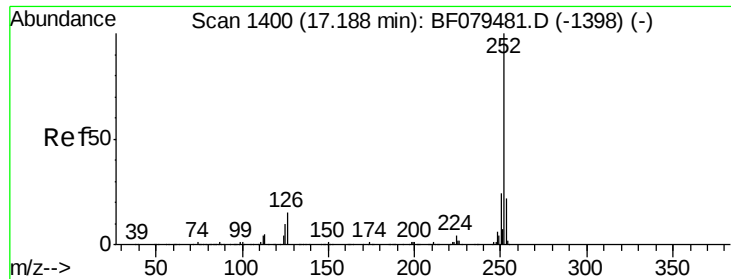
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#87
Benzo(b)fluoranthene
Concen: 22.51 ng m
RT: 17.06 min Scan# 1389
Delta R.T. -0.14 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	378738		
253	24.0	17.6	26.4	
125	11.5	7.8	11.6	





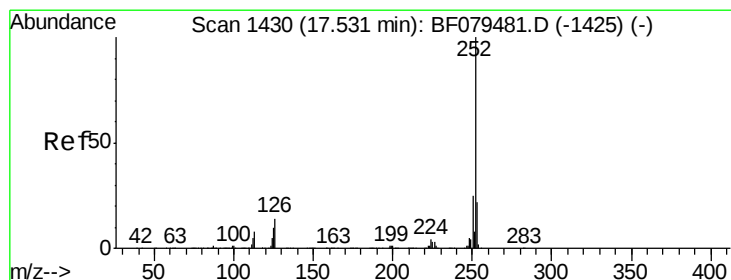
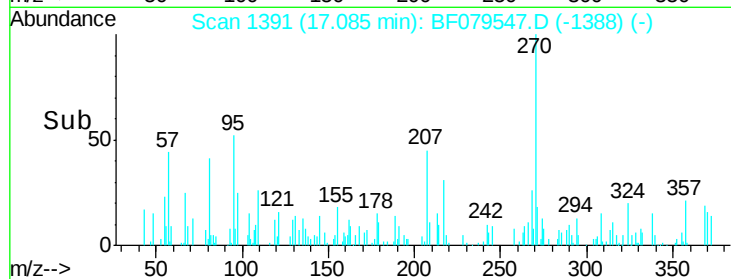
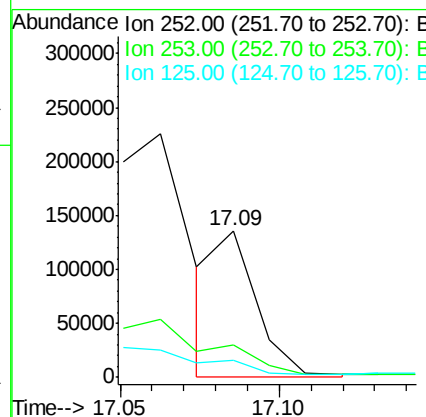
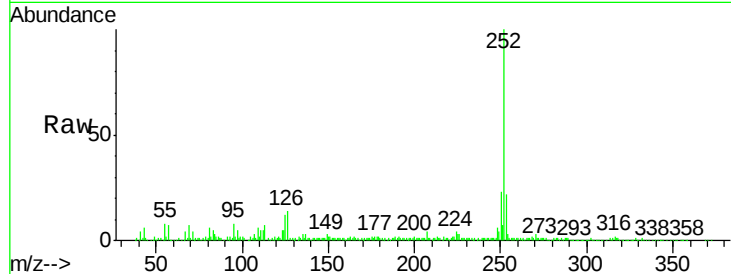
#88
Benzo(k)fluoranthene
Concen: 8.12 ng m
RT: 17.09 min Scan# 1391
Delta R.T. -0.15 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Instrument :
BNA_F
ClientSampleId :
TP-8-SS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	11.6	6.8	10.2

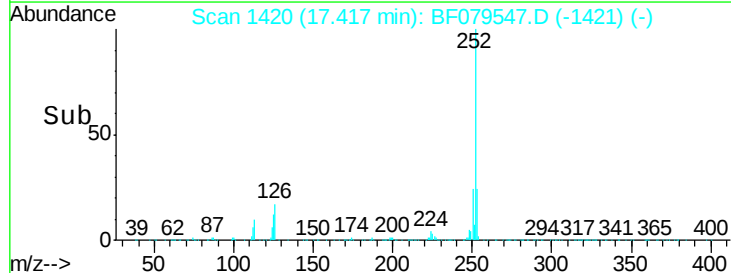
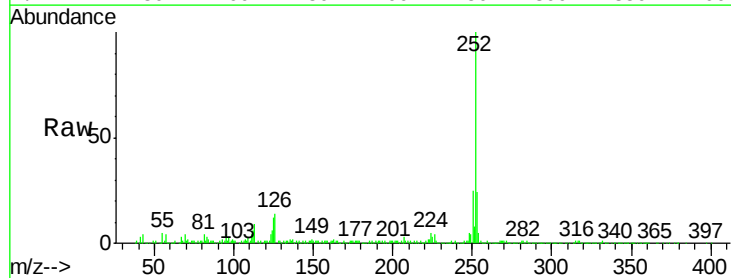
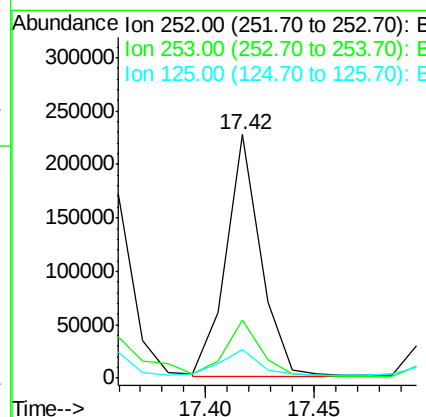
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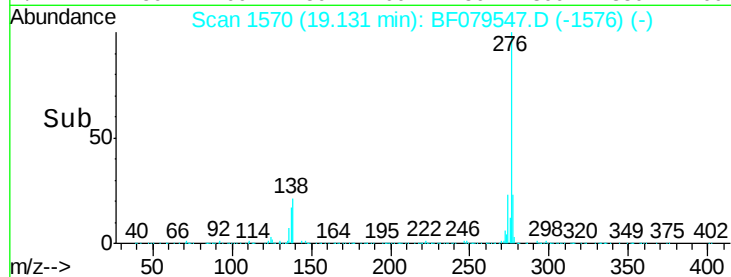
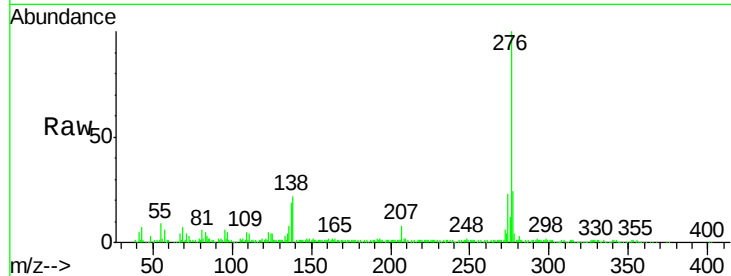
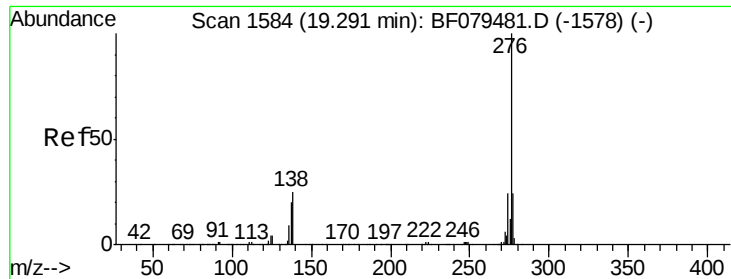
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#89
Benzo(a)pyrene
Concen: 15.75 ng
RT: 17.42 min Scan# 1420
Delta R.T. -0.19 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	11.6	7.9	11.9





#91
Benzo(a,h,i)perylene
Concen: 11.45 ng
RT: 19.13 min Scan# 1570
Delta R.T. -0.27 min
Lab File: BF079547.D
Acq: 28 May 2015 16:35

Instrument :
BNA_F
ClientSampleId :
TP-8-SS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.8	19.1	28.7
138	21.7	20.1	30.1

Manual Integrations
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