

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079529.D
 Acq On : 27 May 2015 20:28
 Operator : TP/IZ
 Sample : G2387-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16-SS

Manual Integrations
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Quant Time: May 28 01:35:53 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	63244	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	263467	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	132599	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	241101	20.00	ng	0.00
75) Chrysene-d12	15.86	240	253102	20.00	ng	-0.08
86) Perylene-d12	17.62	264	270095	20.00	ng	-0.26
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	568337m	155.87	ng	0.00
7) Phenol-d6	6.59	99	709441	152.65	ng	0.00
23) Nitrobenzene-d5	7.70	82	446147	97.89	ng	0.00
41) 2,4,6-Tribromophenol	11.72	330	218216	149.83	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	872120	93.83	ng	0.00
78) Terphenyl-d14	14.57	244	903828	83.81	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.60	128	32917	2.60	ng	97
49) Dimethylphthalate	10.43	163	141821	14.52	ng	99
70) Phenanthrene	12.61	178	32537	2.46	ng	99
74) Fluoranthene	14.08	202	63300	4.46	ng	97
77) Pyrene	14.35	202	64979	4.14	ng	97
80) Benzo(a)anthracene	15.85	228	56569m	3.89	ng	
82) Chrysene	15.90	228	42361	3.06	ng	97
85) Indeno(1,2,3-cd)pyrene	18.95	276	51149m	2.87	ng	
87) Benzo(b)fluoranthene	17.17	252	119446m	7.75	ng	
88) Benzo(k)fluoranthene	17.20	252	35588m	2.58	ng	
89) Benzo(a)pyrene	17.55	252	61776	2.77	ng	# 94

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

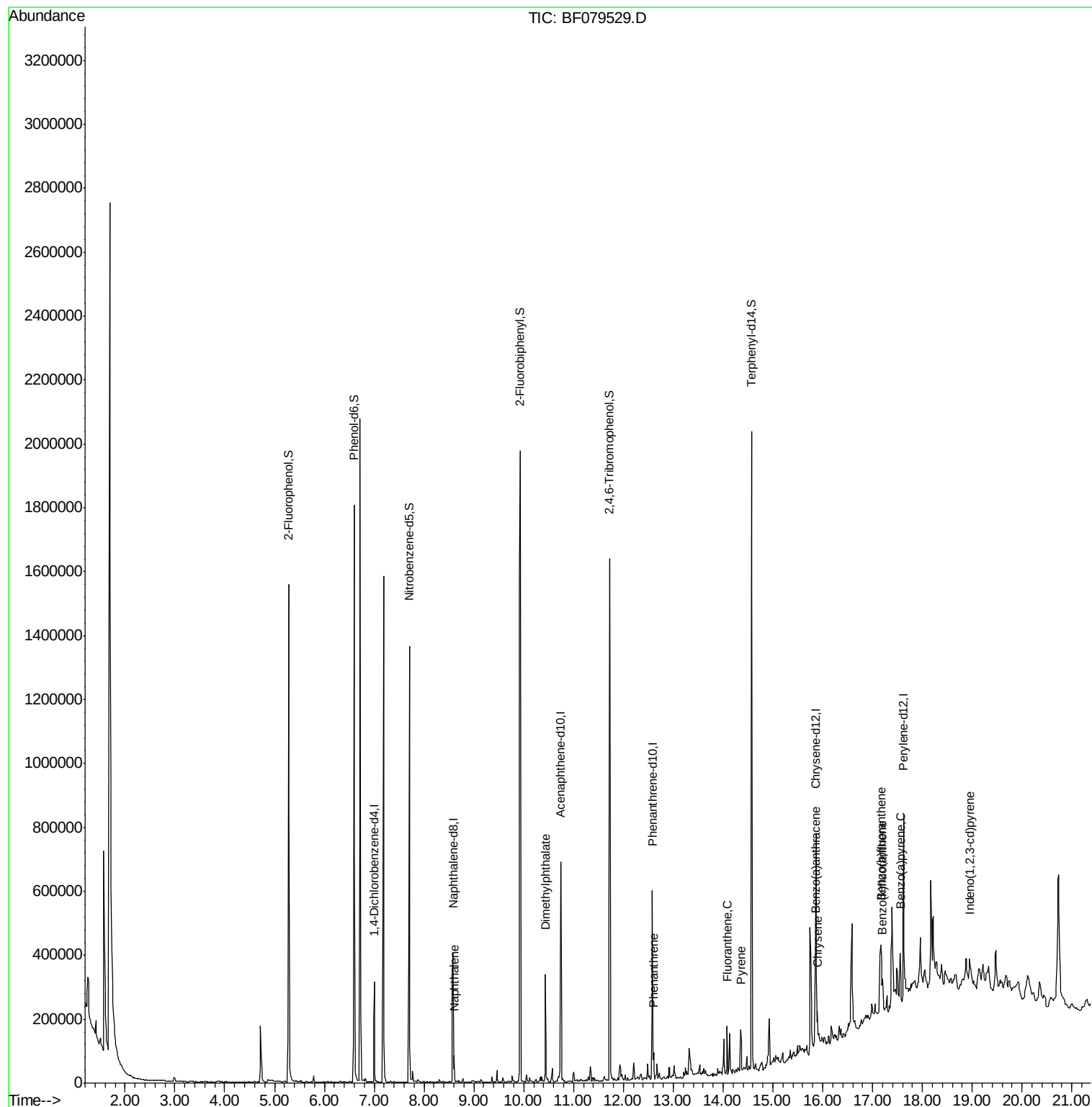
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
Data File : BF079529.D
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Operator : TP/IZ
Sample : G2387-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

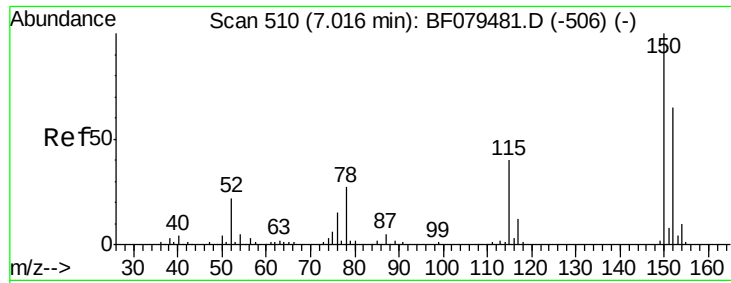
Instrument :
BNA_F
ClientSampleId :
TP-16-SS

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#1

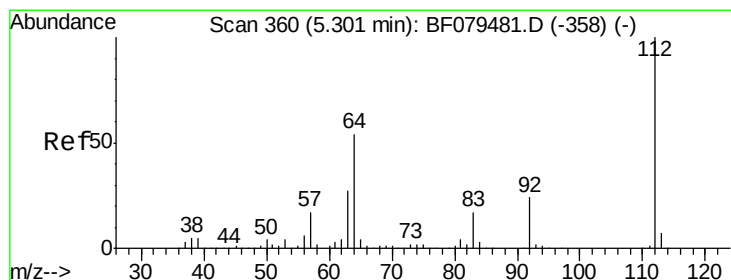
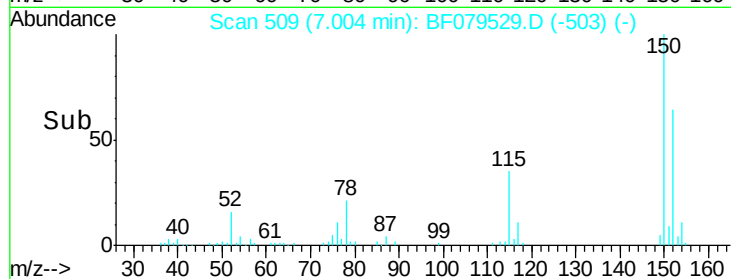
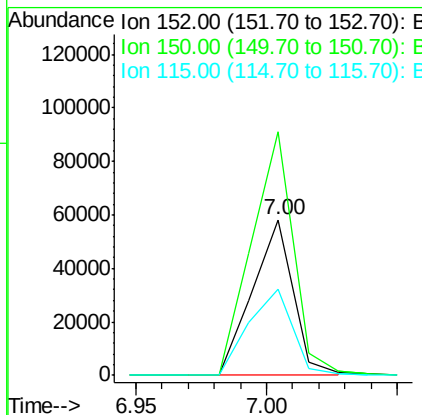
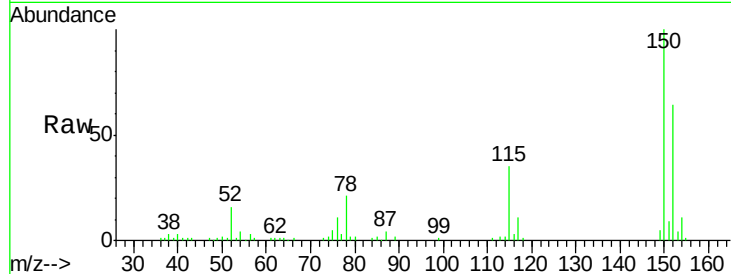
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Instrument :
BNA_F
ClientSampleId :
TP-16-SS

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.0	186.0
115	55.1	49.6	74.4

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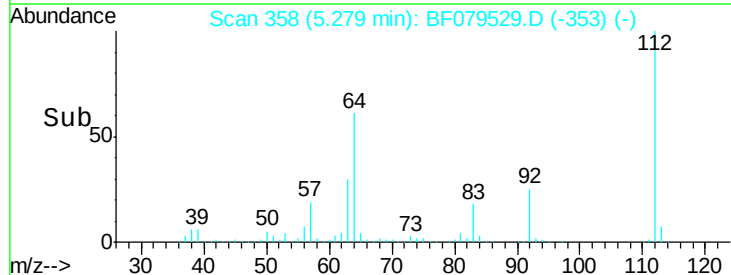
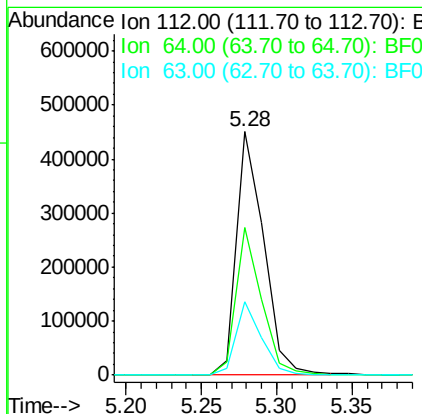
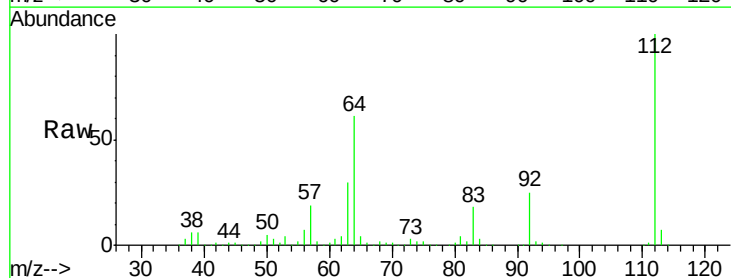
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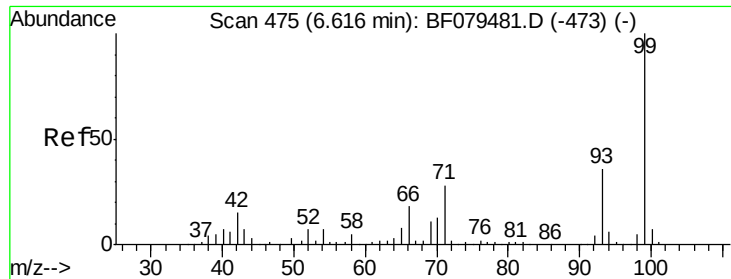


#5

2-Fluorophenol
Concen: 155.87 ng m
RT: 5.28 min Scan# 358
Delta R.T. -0.00 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	43.5	65.3
63	30.2	21.8	32.8





#7

Phenol-d6

Concen: 152.65 ng

RT: 6.59 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Instrument :

BNA_F

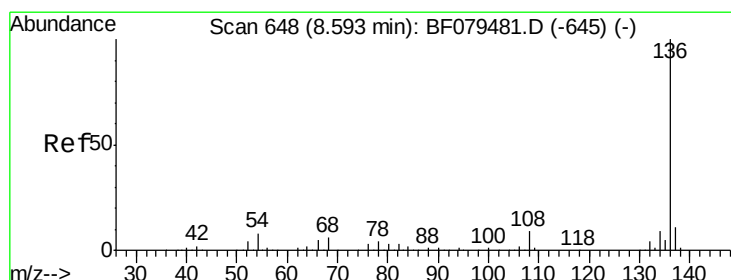
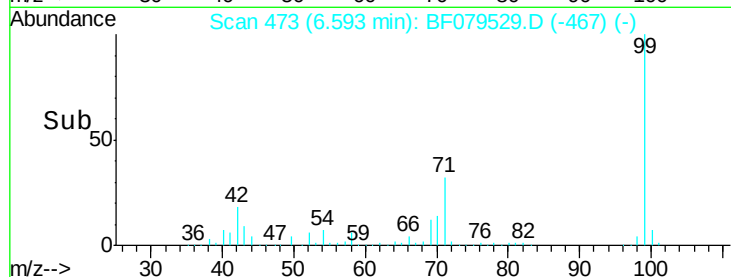
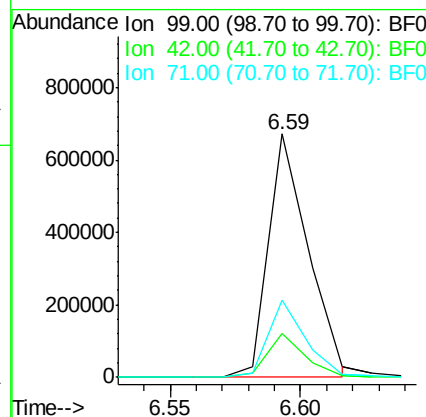
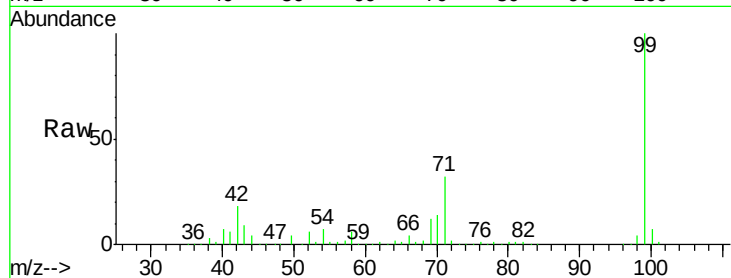
ClientSampled :

TP-16-SS

Tgt Ion:	99	Resp:	709441
Ion Ratio	Lower	Upper	
99	100		
42	18.2	11.9	17.9#
71	31.7	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

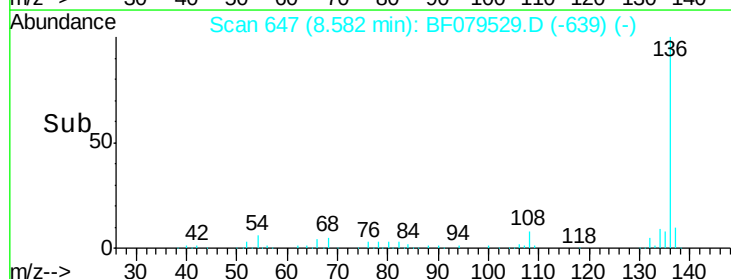
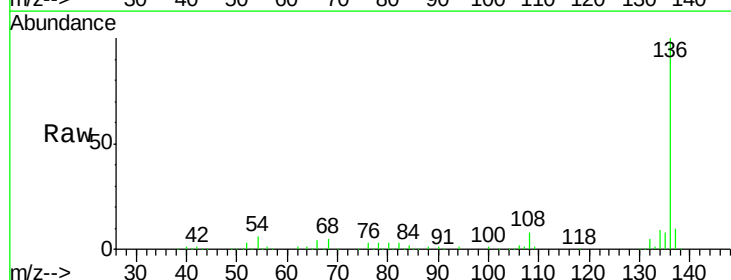
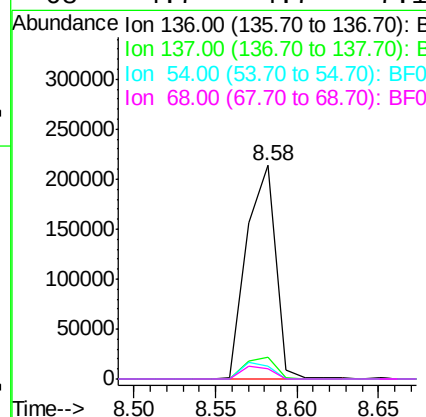
RT: 8.58 min Scan# 647

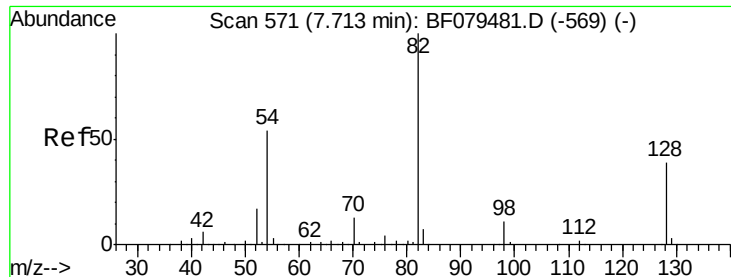
Delta R.T. -0.00 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Tgt Ion:	136	Resp:	263467
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.5	12.7
54	5.9	6.6	9.8#
68	4.7	4.7	7.1





#23

Nitrobenzene-d5

Concen: 97.89 ng

RT: 7.70 min Scan# 570

Delta R.T. -0.00 min

Lab File: BF079529.D

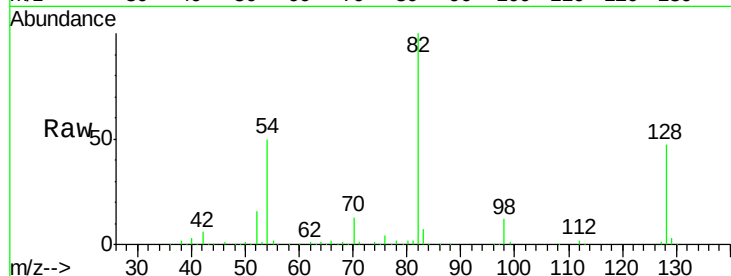
Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampleId :

TP-16-SS



Tgt Ion: 82 Resp: 446147

Ion Ratio Lower Upper

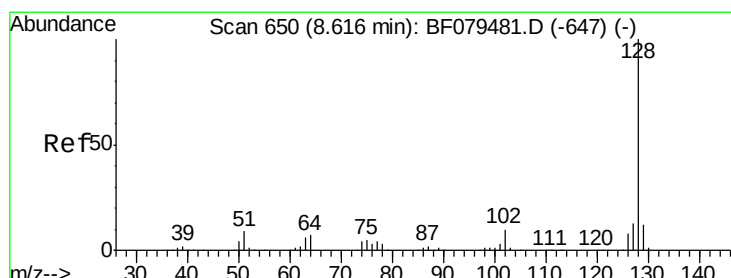
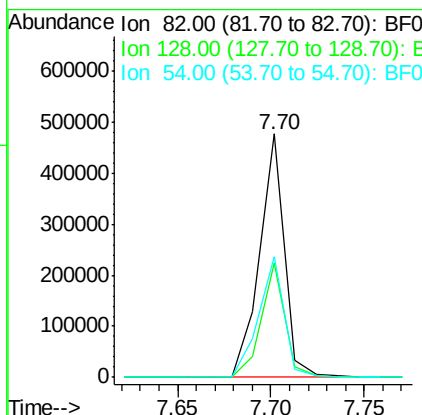
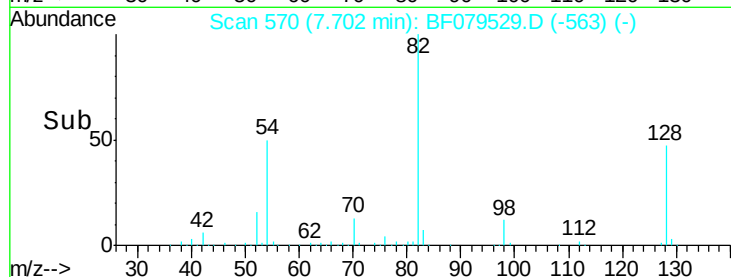
82 100

128 46.9 30.8 46.2#

54 49.7 42.8 64.2

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#31

Naphthalene

Concen: 2.60 ng

RT: 8.60 min Scan# 649

Delta R.T. -0.00 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

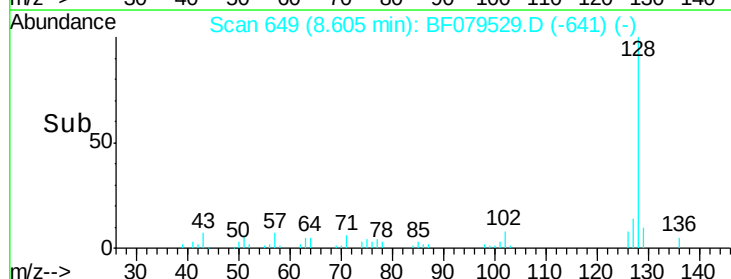
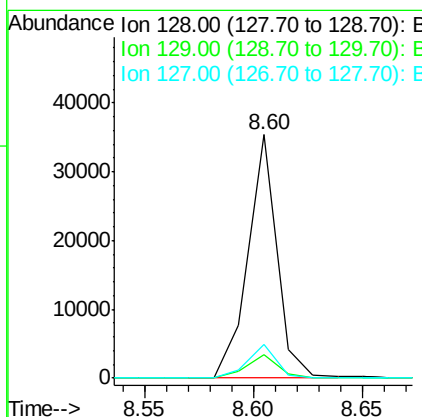
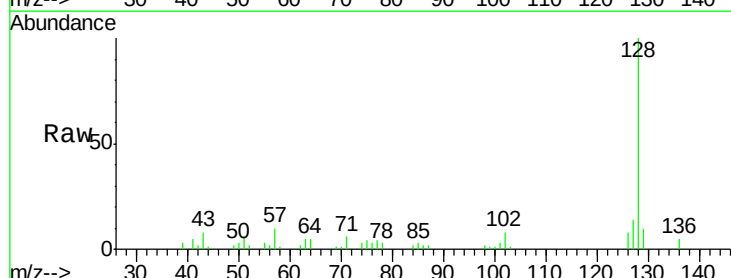
Tgt Ion: 128 Resp: 32917

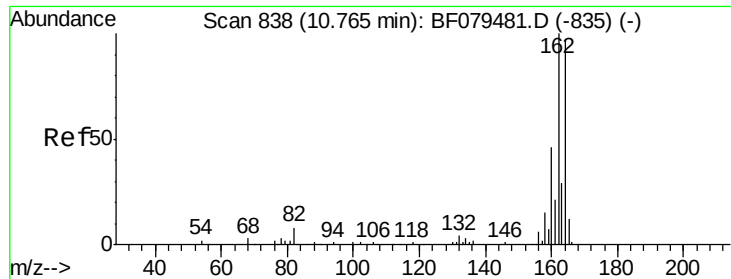
Ion Ratio Lower Upper

128 100

129 9.8 9.3 13.9

127 13.8 10.6 15.8





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF079529.D

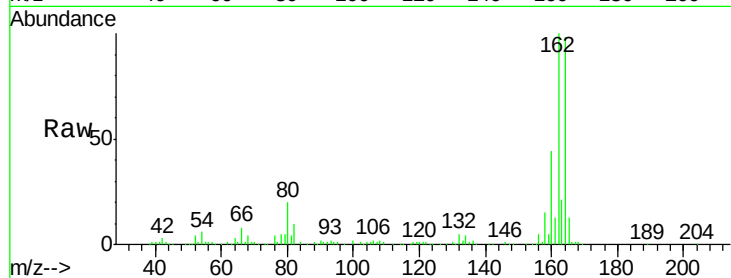
Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampleId :

TP-16-SS



Tgt Ion:164 Resp: 132599

Ion Ratio Lower Upper

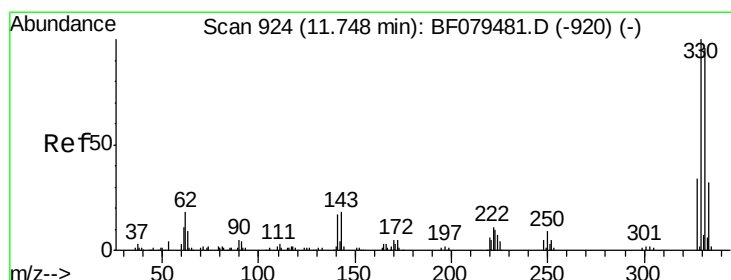
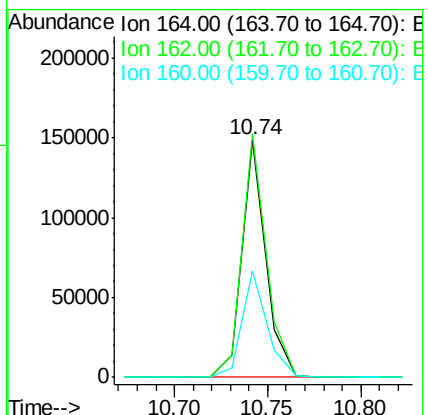
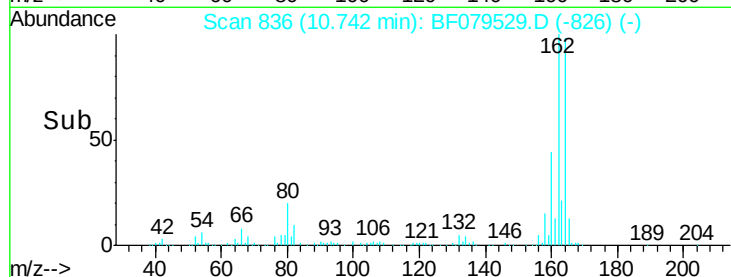
164 100

162 102.4 82.6 124.0

160 44.7 37.7 56.5

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#41

2,4,6-Tribromophenol

Concen: 149.83 ng

RT: 11.72 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

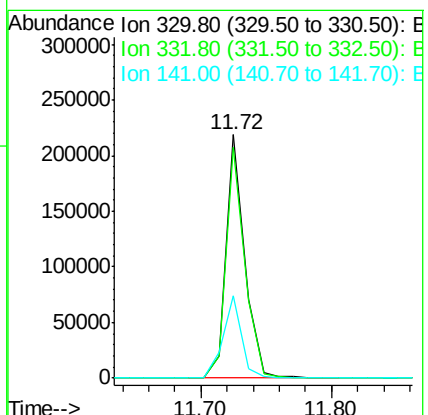
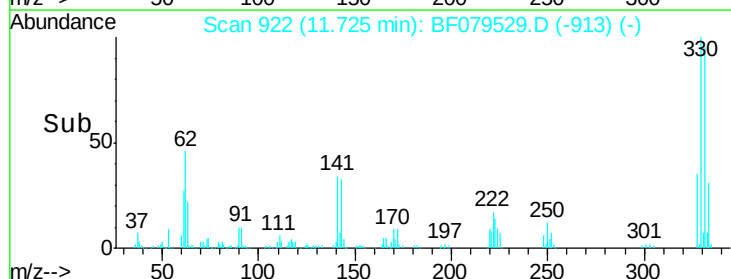
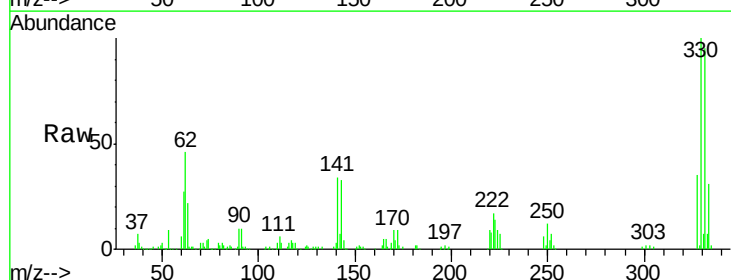
Tgt Ion:330 Resp: 218216

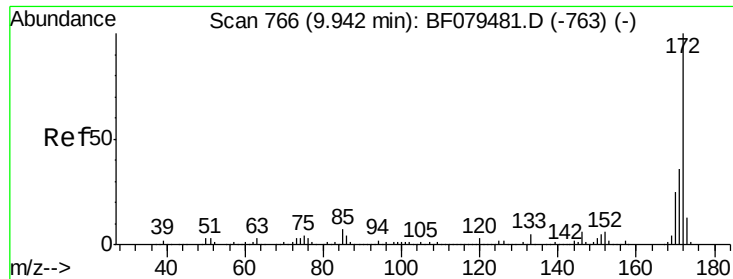
Ion Ratio Lower Upper

330 100

332 95.8 0.0 0.0#

141 34.4 0.0 0.0#





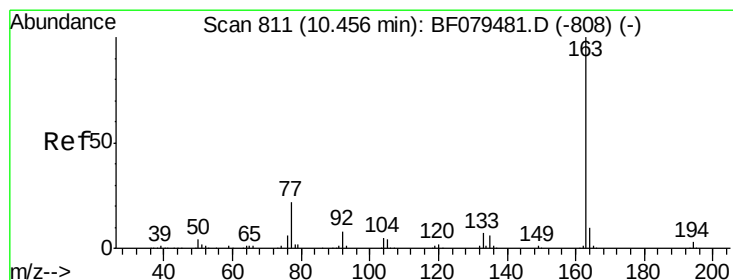
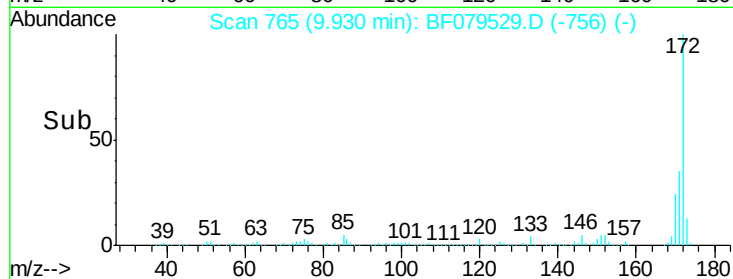
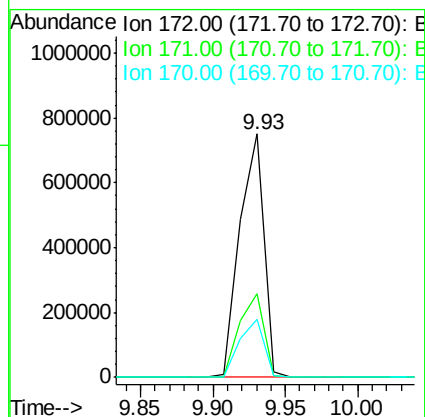
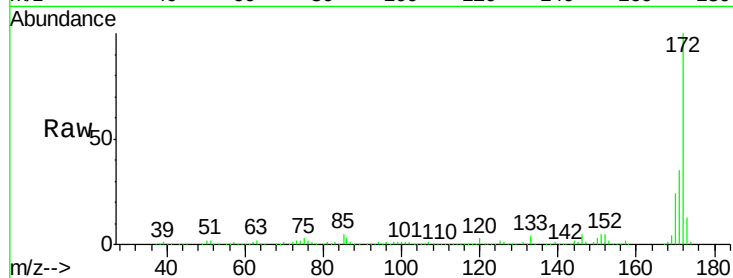
#44
2-Fluorobiphenyl
Concen: 93.83 ng
RT: 9.93 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
172	100	872120		
171	34.5	28.5	42.7	
170	23.7	19.7	29.5	

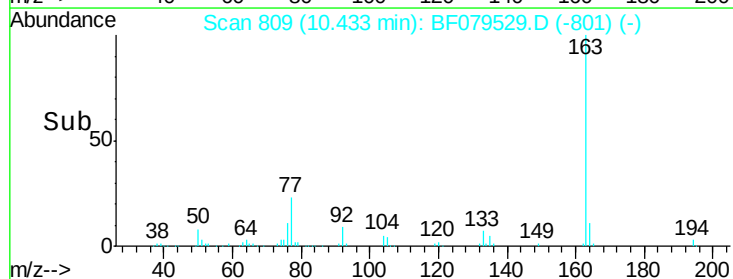
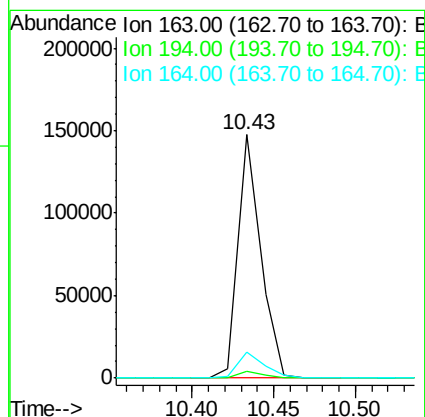
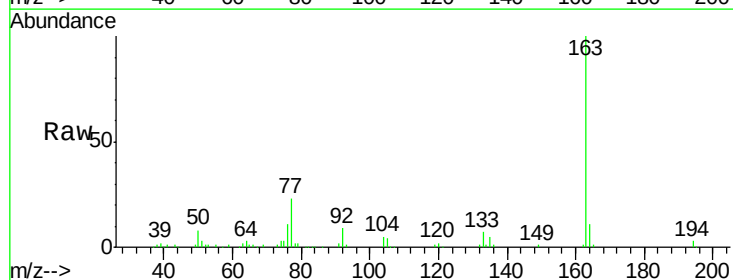
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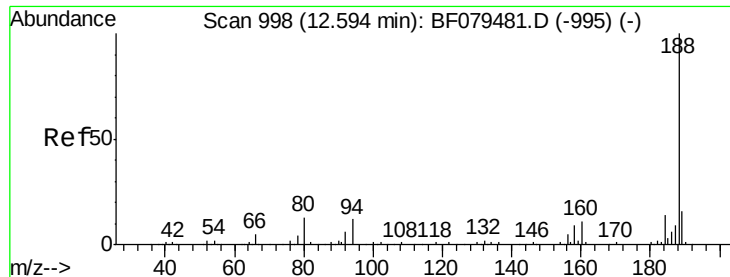
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#49
Dimethylphthalate
Concen: 14.52 ng
RT: 10.43 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	141821		
194	2.7	2.4	3.6	
164	10.5	8.2	12.4	





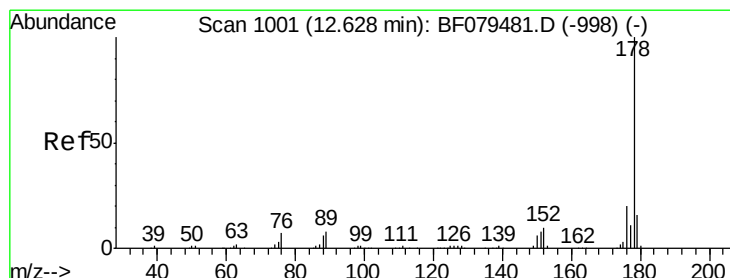
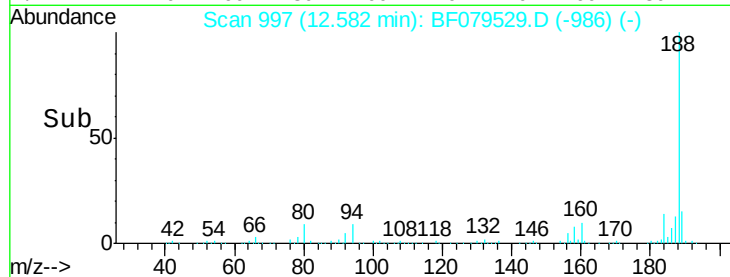
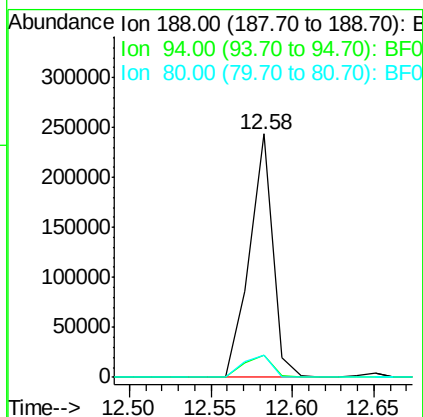
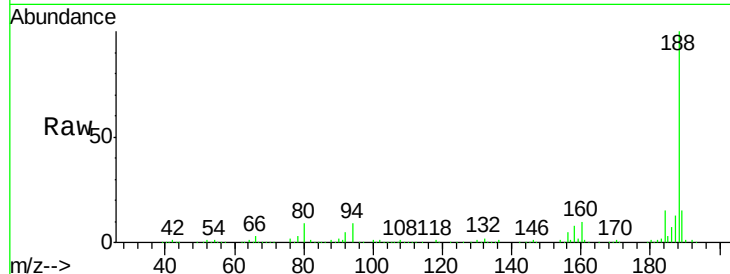
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.58 min Scan# 997
Delta R.T. -0.00 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.0	9.8	14.6#
80	8.9	10.5	15.7#

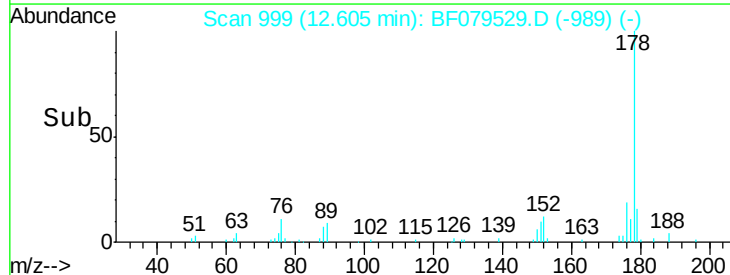
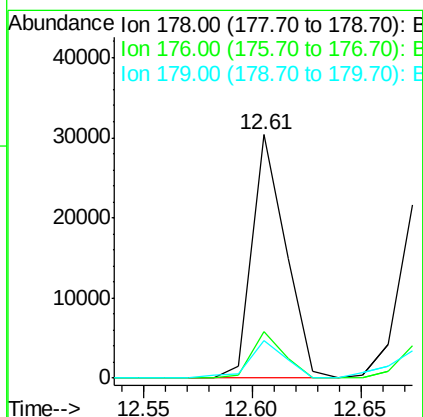
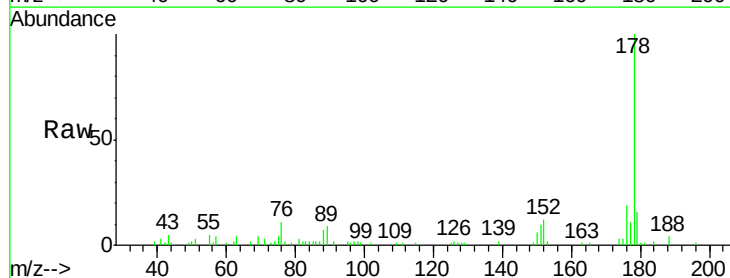
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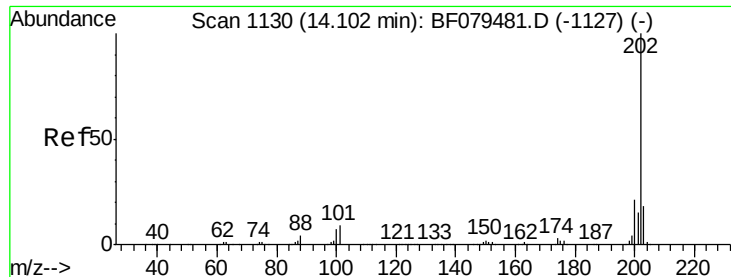
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#70
Phenanthrene
Concen: 2.46 ng
RT: 12.61 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	15.7	23.5
179	15.6	12.4	18.6





#74

Fluoranthene

Concen: 4.46 ng

RT: 14.08 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Instrument :

BNA_F

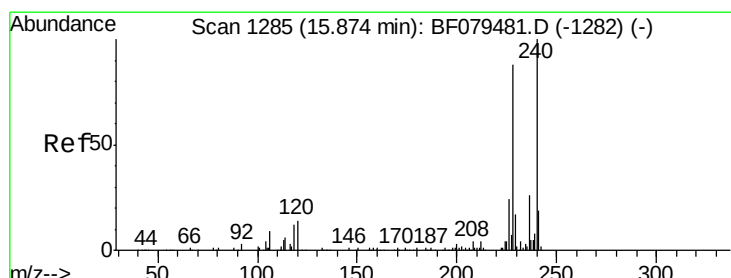
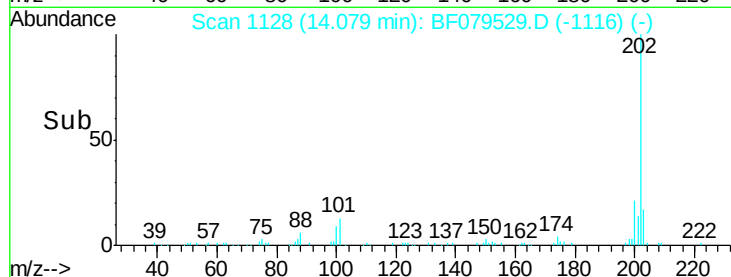
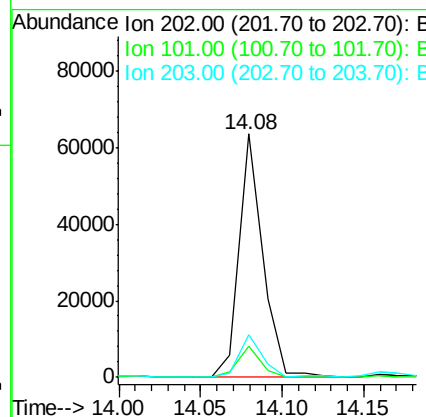
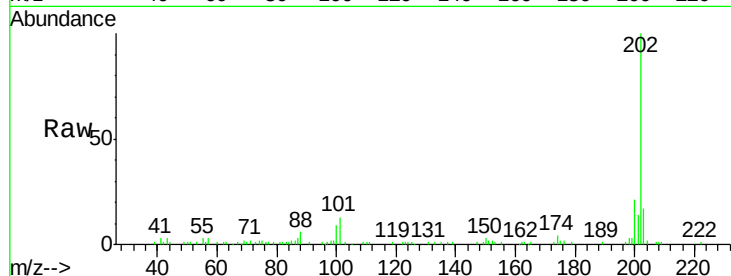
ClientSampleId :

TP-16-SS

Tgt Ion:	202	Resp:	63300
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	29.3
203	17.5	0.0	37.6

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

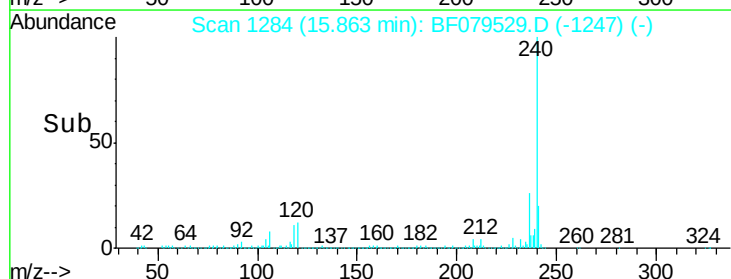
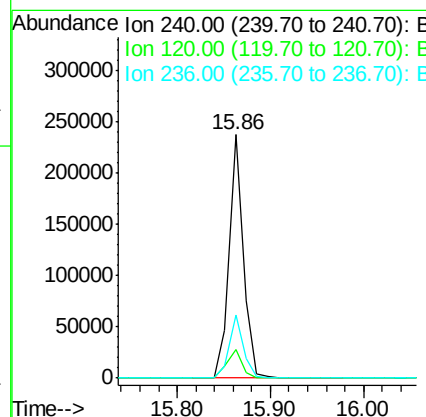
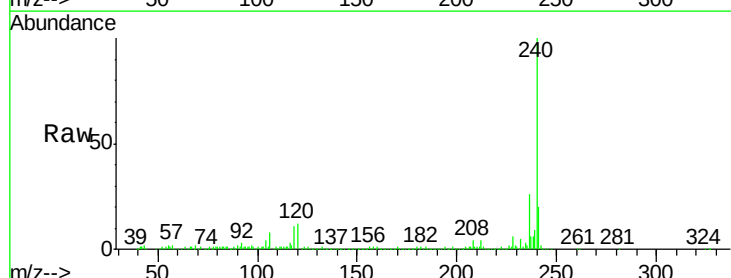
RT: 15.86 min Scan# 1284

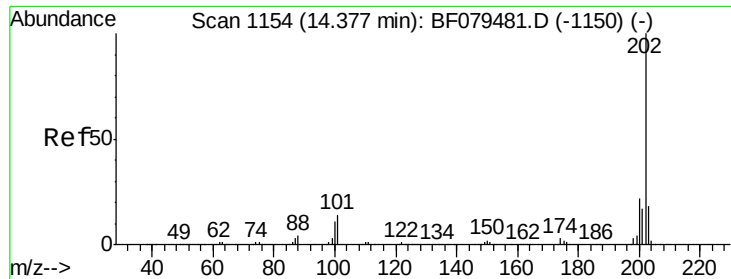
Delta R.T. -0.08 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Tgt Ion:	240	Resp:	253102
Ion Ratio	Lower	Upper	
240	100		
120	12.0	10.8	16.2
236	26.2	21.0	31.6





#77

Pyrene

Concen: 4.14 ng

RT: 14.35 min Scan# 1152

Delta R.T. -0.01 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Instrument :

BNA_F

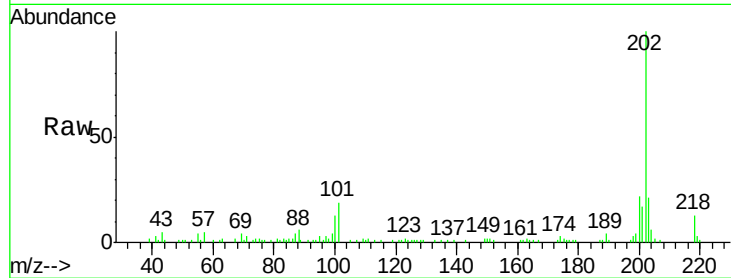
ClientSampleId :

TP-16-SS

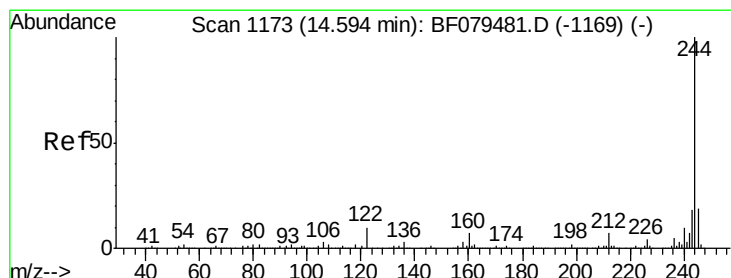
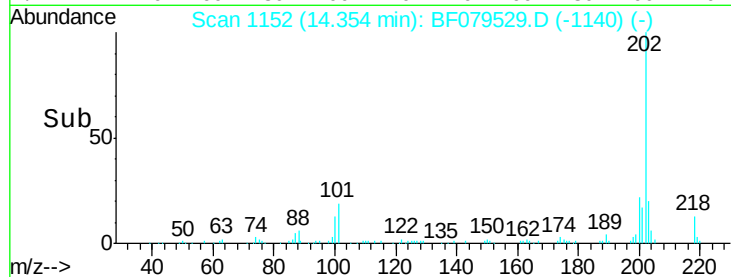
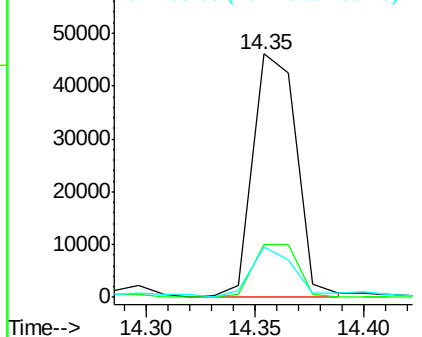
Tgt Ion:	202	Resp:	64979
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.5	26.3
203	20.8	14.4	21.6

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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: 83.81 ng

RT: 14.57 min Scan# 1171

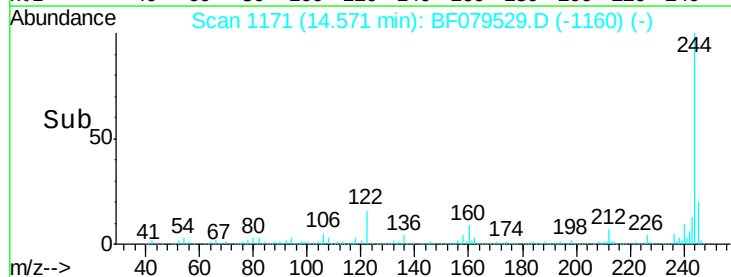
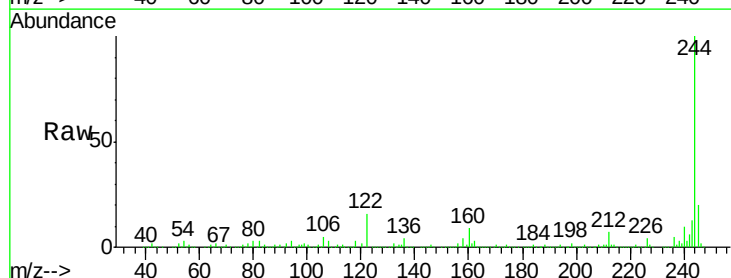
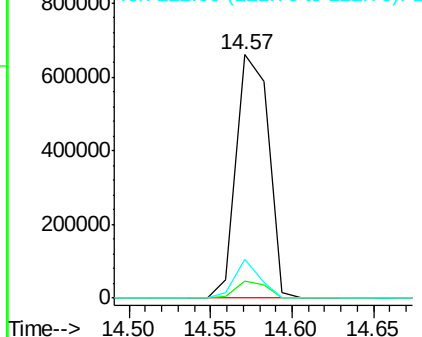
Delta R.T. -0.02 min

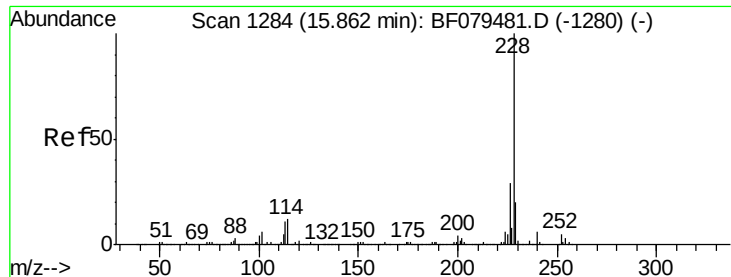
Lab File: BF079529.D

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Tgt Ion:	244	Resp:	903828
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.2	7.8
122	16.0	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





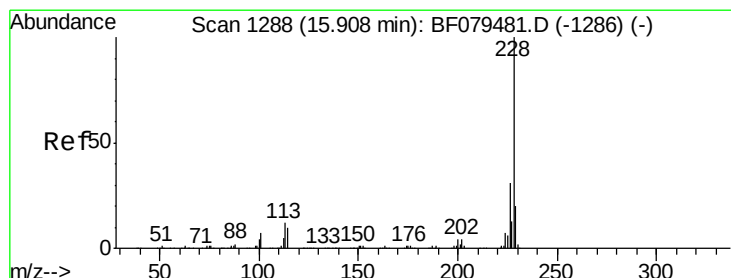
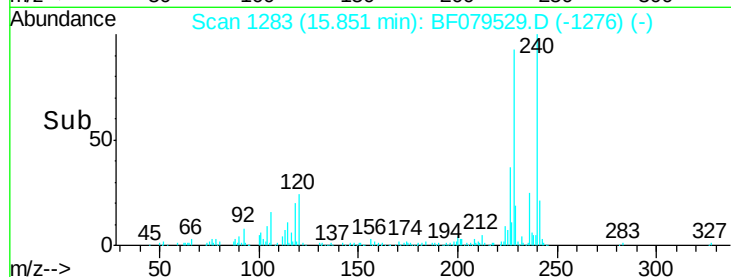
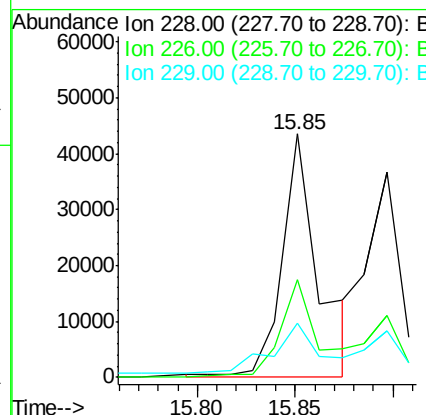
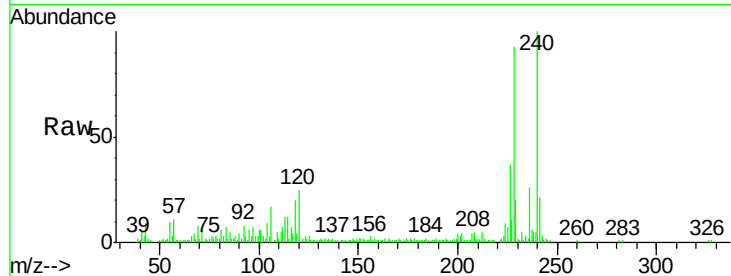
#80
Benzo(a)anthracene
Concen: 3.89 ng m
RT: 15.85 min Scan# 1283
Delta R.T. -0.08 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Instrument :
BNA_F
ClientSampleId :
TP-16-SS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.3	22.8	34.2#
229	22.0	15.9	23.9

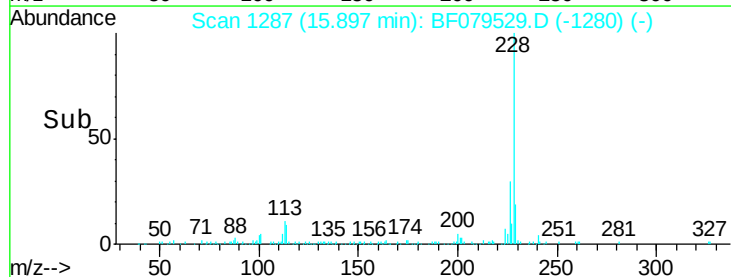
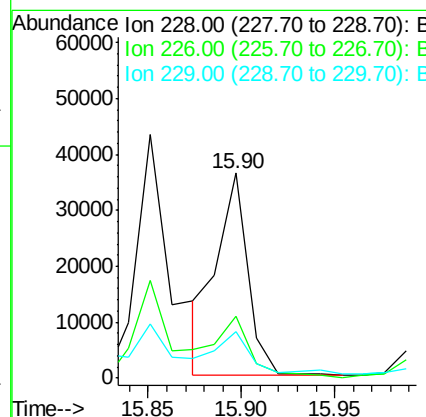
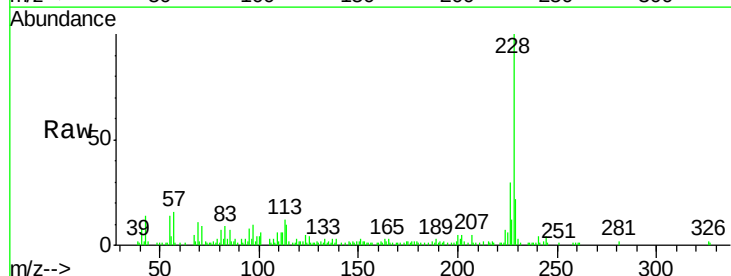
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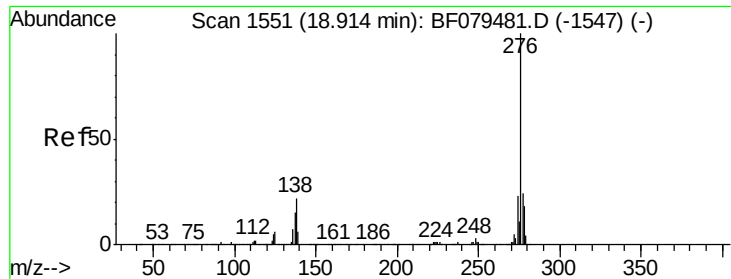
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#82
Chrysene
Concen: 3.06 ng
RT: 15.90 min Scan# 1287
Delta R.T. -0.08 min
Lab File: BF079529.D
Acq: 27 May 2015 20:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.4
229	22.4	15.9	23.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.87 ng m

RT: 18.95 min Scan# 1554

Delta R.T. -0.35 min

Lab File: BF079529.D

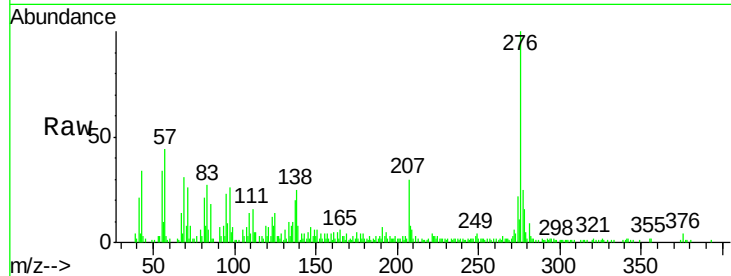
Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampleId :

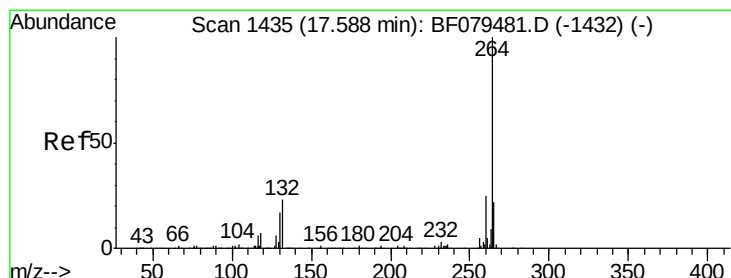
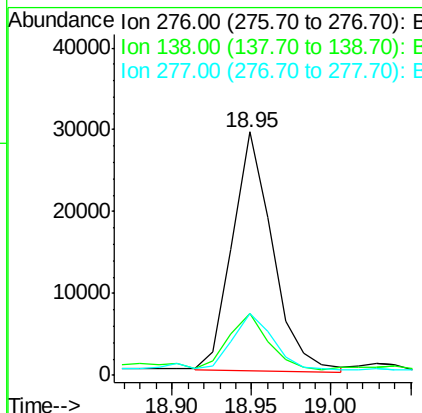
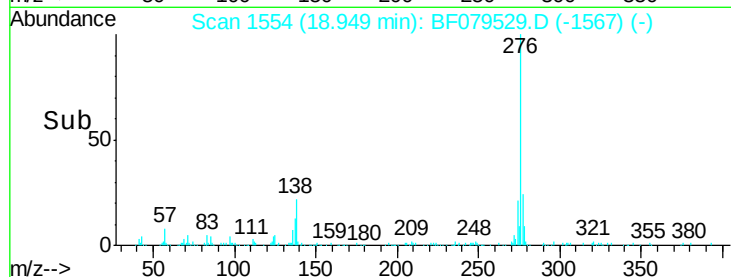
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Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	21.4	32.2#
277	22.3	19.8	29.6

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#86

Perylene-d12

Concen: 20.00 ng

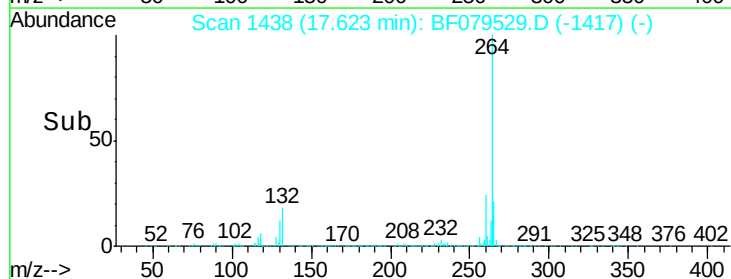
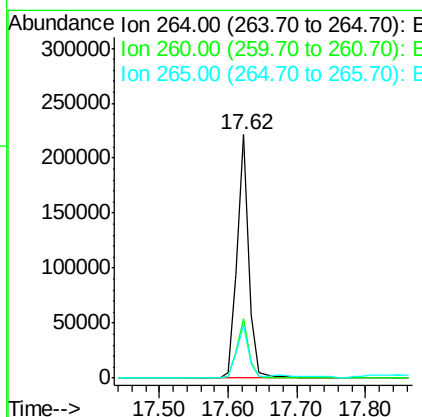
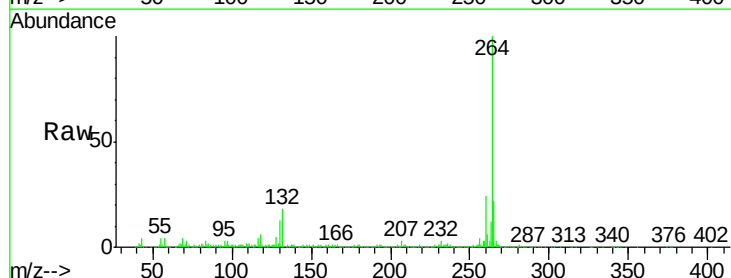
RT: 17.62 min Scan# 1438

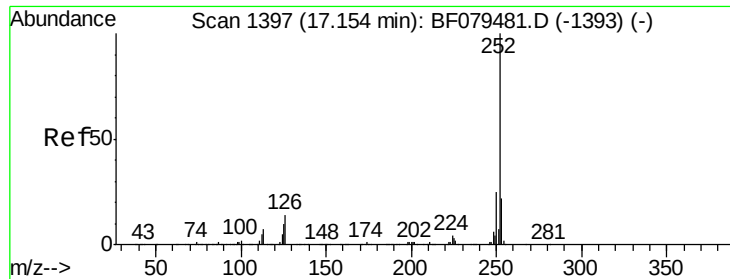
Delta R.T. -0.26 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.8	29.8
265	21.7	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 7.75 ng m

RT: 17.17 min Scan# 1398

Delta R.T. -0.22 min

Lab File: BF079529.D

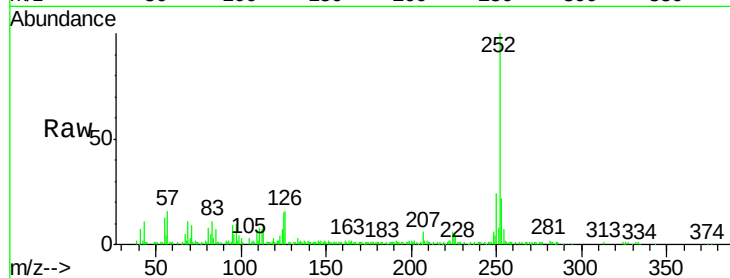
Acq: 27 May 2015 20:28

Instrument :

BNA_F

ClientSampled :

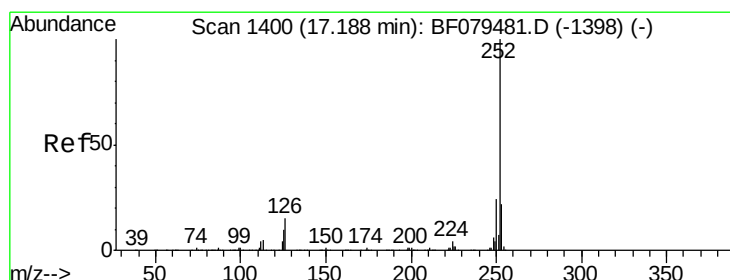
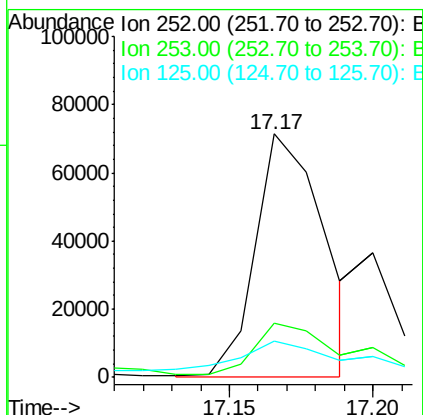
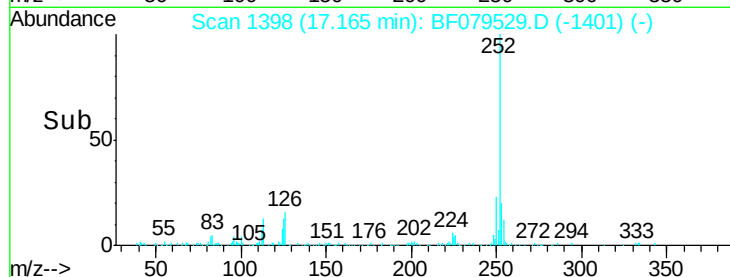
TP-16-SS



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	15.2	7.8	11.6

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#88

Benzo(k)fluoranthene

Concen: 2.58 ng m

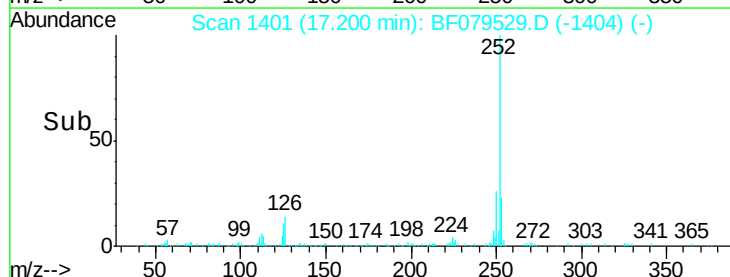
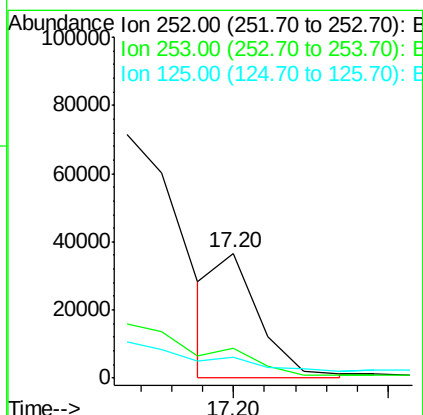
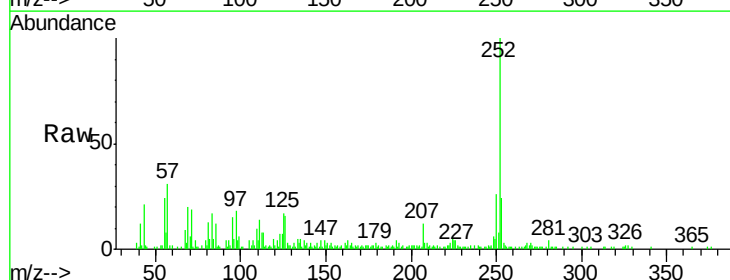
RT: 17.20 min Scan# 1401

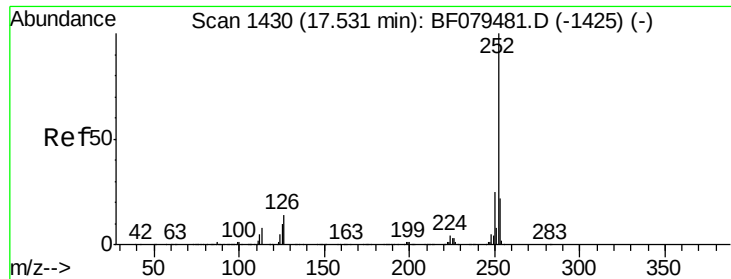
Delta R.T. -0.22 min

Lab File: BF079529.D

Acq: 27 May 2015 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	16.8	6.8	10.2





#89
 Benzo(a)pyrene
 Concen: 2.77 ng
 RT: 17.55 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF079529.D
 Acq: 27 May 2015 20:28

Instrument :
 BNA_F
 ClientSampleId :
 TP-16-SS

Tgt Ion:	252	Resp:	61776
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.8	26.8
125	15.8	7.9	11.9#

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