

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079645.D
 Acq On : 31 May 2015 21:02
 Operator : TP/IZ
 Sample : G2408-13
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20D

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Quant Time: Jun 01 05:23:52 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 04:06:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	63639	20.00	ng	0.00
21) Naphthalene-d8	8.48	136	261919	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	126967	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	249234	20.00	ng	0.00
75) Chrysene-d12	15.75	240	266630	20.00	ng	0.00
86) Perylene-d12	17.43	264	277348	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	415928	113.36	ng	0.01
7) Phenol-d6	6.51	99	548977	117.39	ng	0.01
23) Nitrobenzene-d5	7.61	82	310487	68.53	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	169731	121.71	ng	0.00
44) 2-Fluorobiphenyl	9.83	172	548871	61.67	ng	0.00
78) Terphenyl-d14	14.48	244	568767	50.06	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.34	163	78203	8.36	ng	100
70) Phenanthrene	12.51	178	60197	4.40	ng	97
74) Fluoranthene	13.98	202	79902	5.45	ng	96
77) Pyrene	14.25	202	95086	5.76	ng	97
80) Benzo(a)anthracene	15.74	228	41622m	2.71	ng	
82) Chrysene	15.78	228	32565	2.23	ng	97
83) Bis(2-ethylhexyl)phthalate	15.82	149	85294	8.01	ng	99
87) Benzo(b)fluoranthene	17.01	252	43729m	2.76	ng	

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF079645.D

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Instrument :

BNA_F

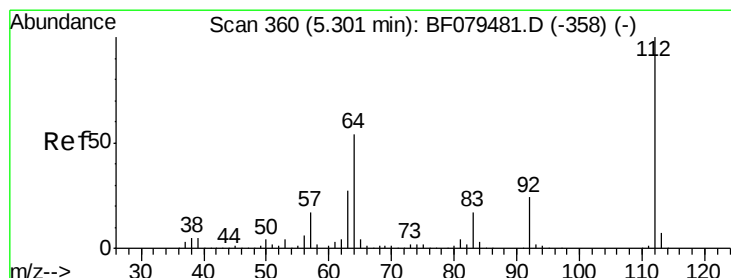
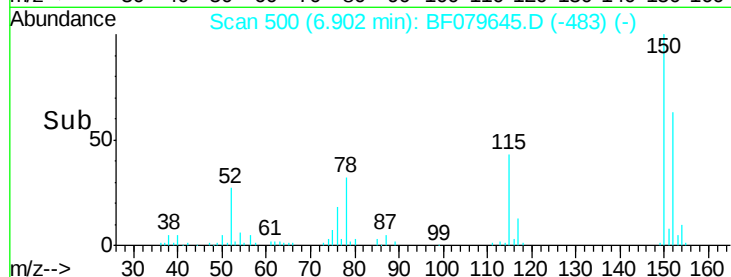
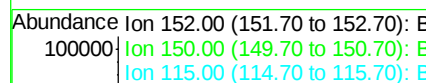
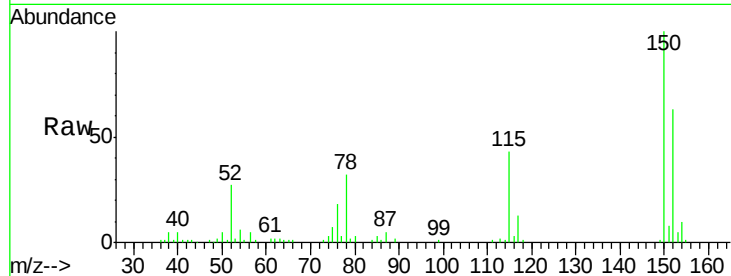
ClientSampleId :

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Tgt Ion:	152	Resp:	63639
Ion Ratio	Lower	Upper	
152	100		
150	159.2	124.0	186.0
115	68.8	49.6	74.4

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#5

2-Fluorophenol

Concen: 113.36 ng

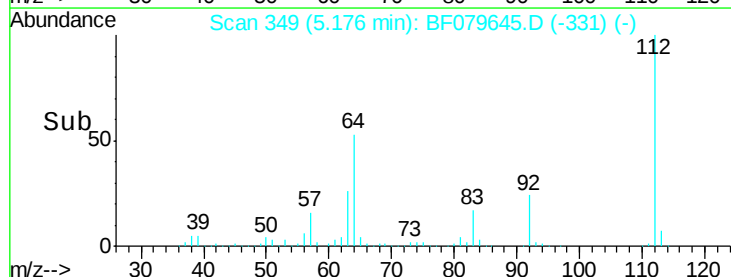
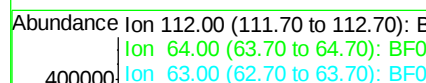
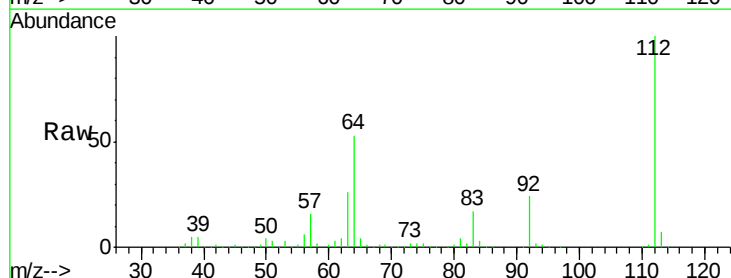
RT: 5.18 min Scan# 349

Delta R.T. 0.01 min

Lab File: BF079645.D

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Tgt Ion:	112	Resp:	415928
Ion Ratio	Lower	Upper	
112	100		
64	52.8	43.5	65.3
63	26.5	21.8	32.8





#7

Phenol-d6

Concen: 117.39 ng

RT: 6.51 min Scan# 466

Delta R.T. 0.01 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

Instrument :

BNA_F

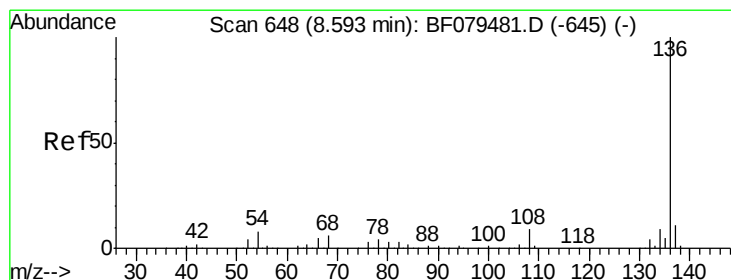
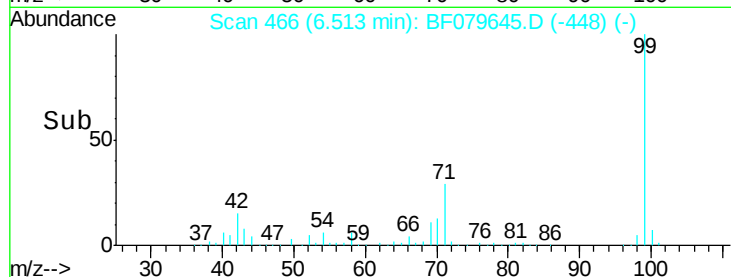
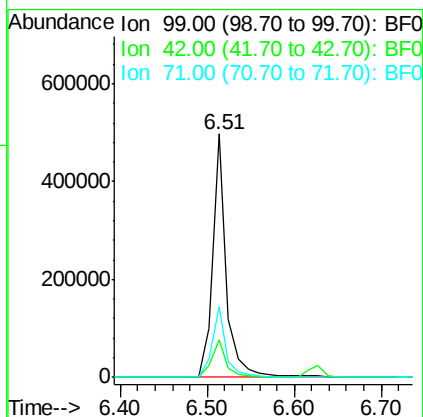
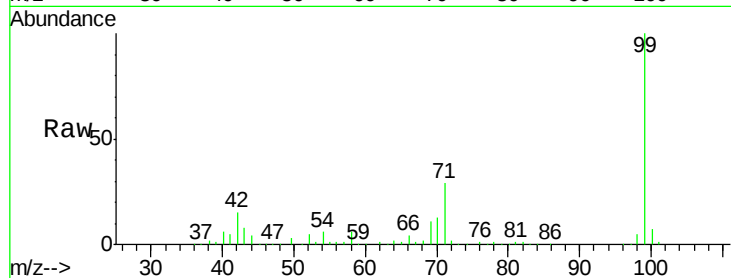
ClientSampleId :

SB-20D

Tgt Ion:	99	Resp:	548977
Ion Ratio	Lower	Upper	
99	100		
42	15.4	11.9	17.9
71	28.8	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng

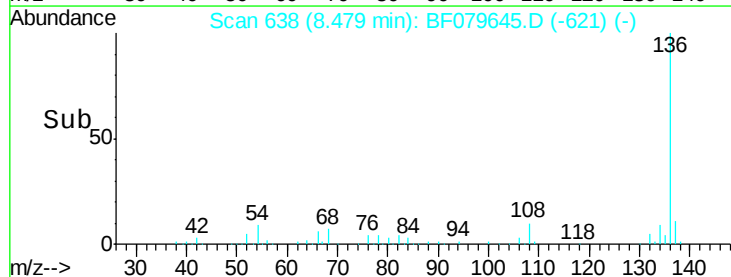
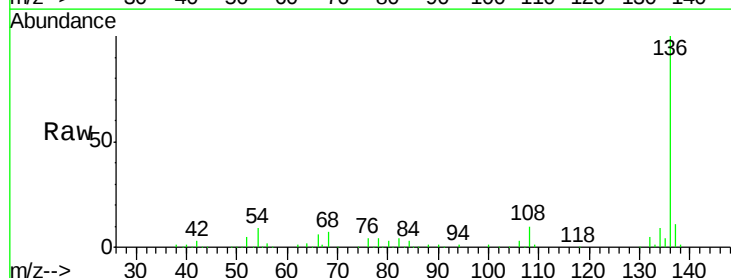
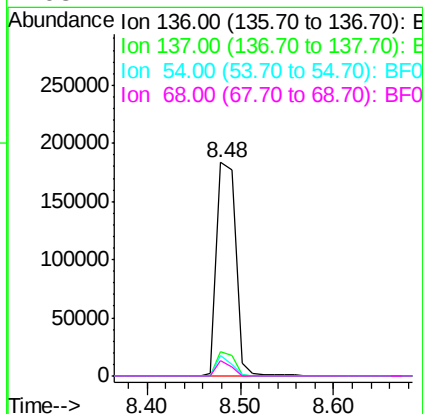
RT: 8.48 min Scan# 638

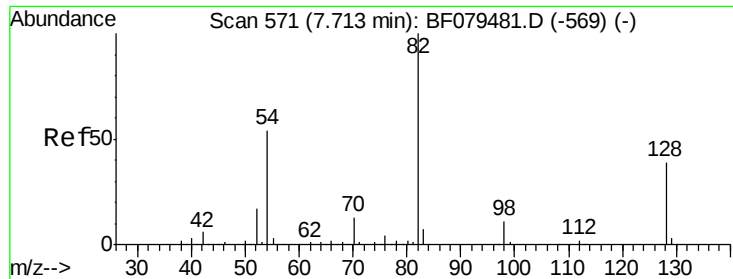
Delta R.T. -0.00 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

Tgt Ion:	136	Resp:	261919
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	9.5	6.6	9.8
68	7.2	4.7	7.1#





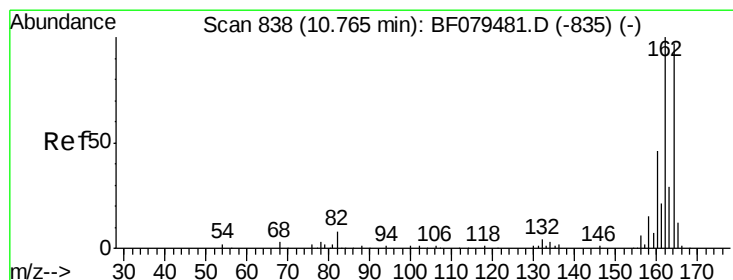
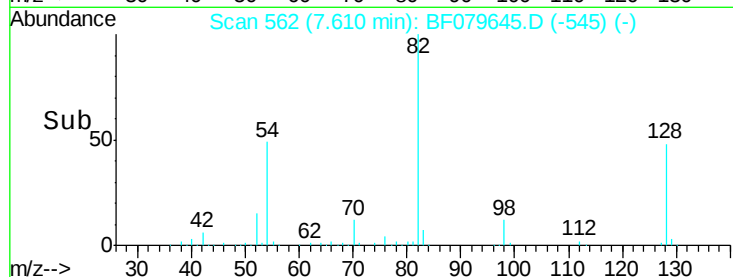
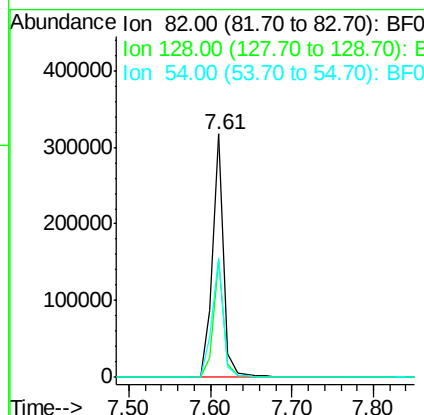
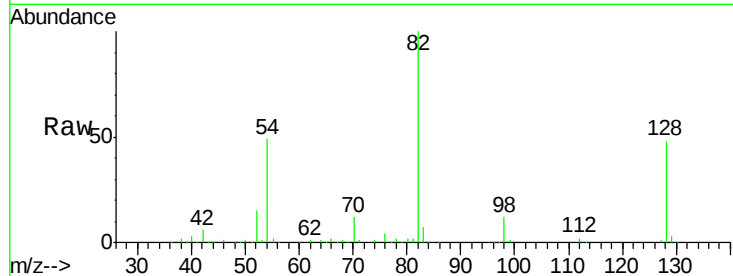
#23
 Nitrobenzene-d5
 Concen: 68.53 ng
 RT: 7.61 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: BF079645.D
 Acq: 31 May 2015 21:02

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Tgt Ion	Ratio	Resp	Lower	Upper
82	100	310487		
128	48.1	30.8	46.2#	
54	49.0	42.8	64.2	

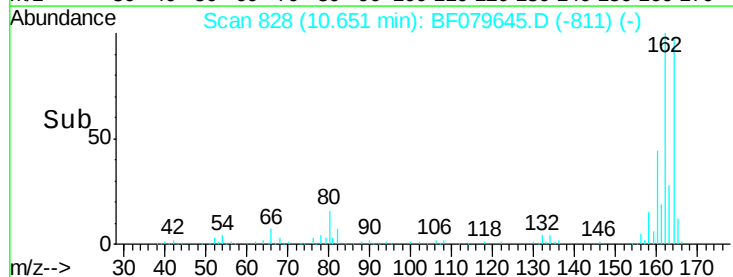
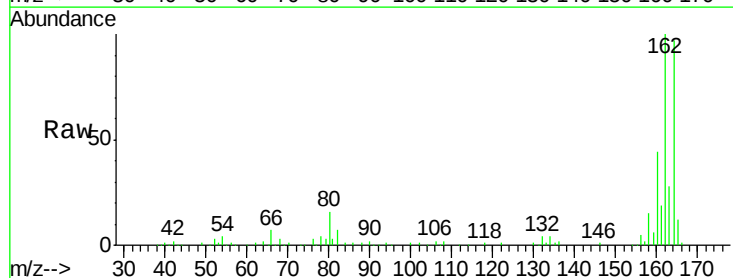
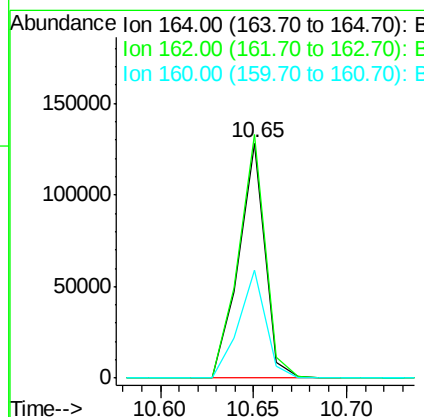
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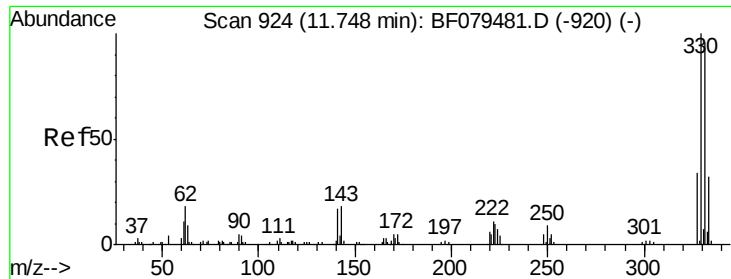
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.65 min Scan# 828
 Delta R.T. -0.00 min
 Lab File: BF079645.D
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100	126967		
162	103.5	82.6	124.0	
160	45.9	37.7	56.5	





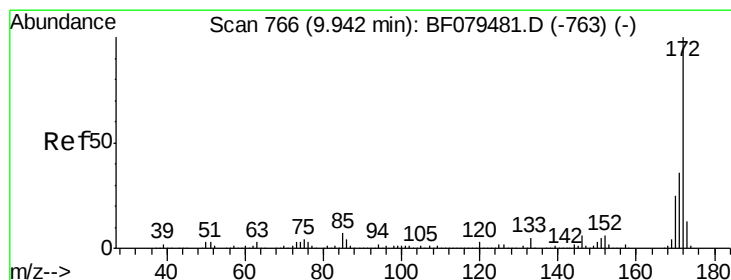
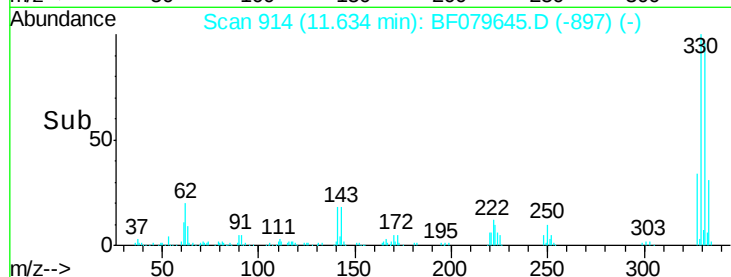
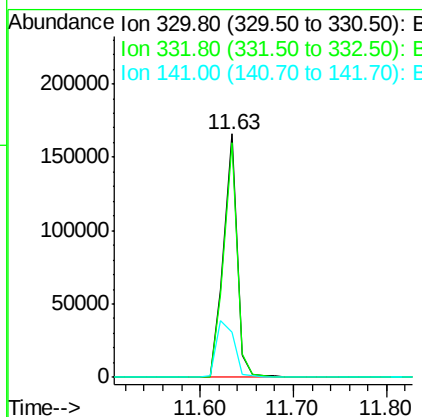
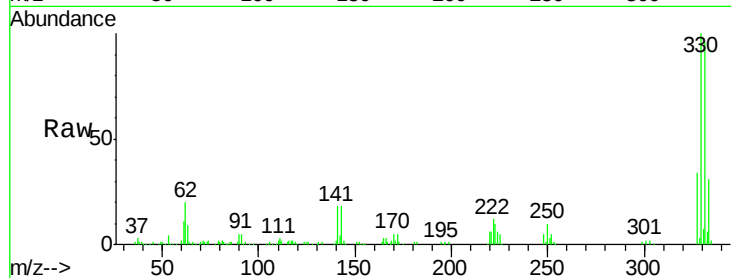
#41
 2,4,6-Tribromophenol
 Concen: 121.71 ng
 RT: 11.63 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: BF079645.D
 Acq: 31 May 2015 21:02

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	96.4	0.0	0.0#
141	30.1	0.0	0.0#

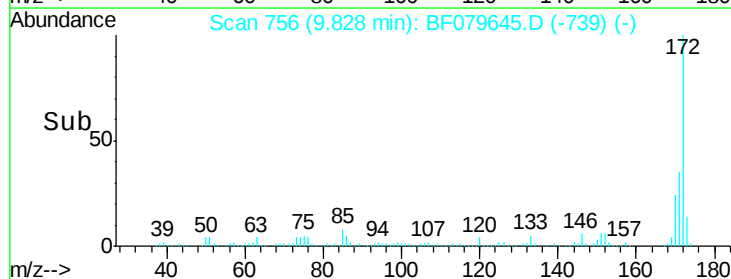
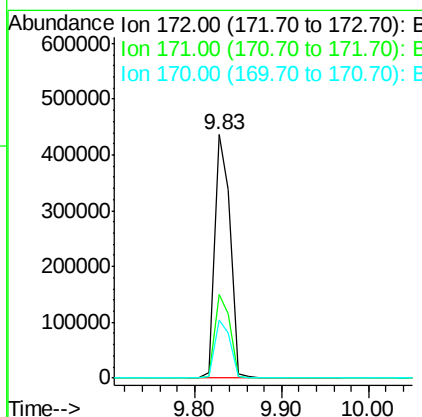
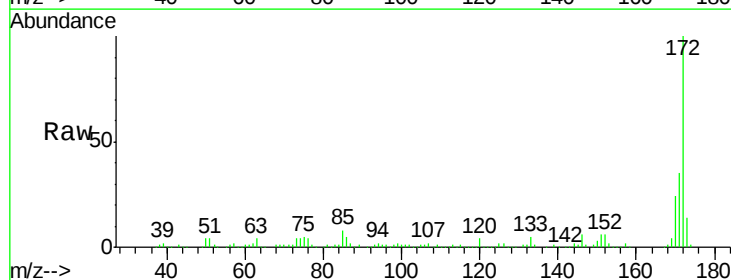
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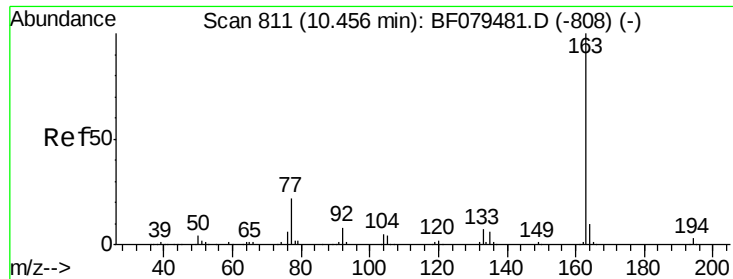
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#44
 2-Fluorobiphenyl
 Concen: 61.67 ng
 RT: 9.83 min Scan# 756
 Delta R.T. -0.00 min
 Lab File: BF079645.D
 Acq: 31 May 2015 21:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	34.6	28.5	42.7
170	23.7	19.7	29.5





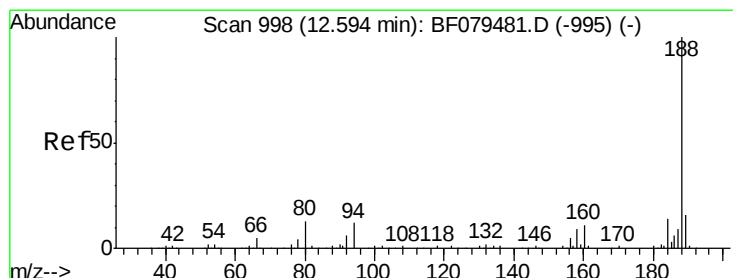
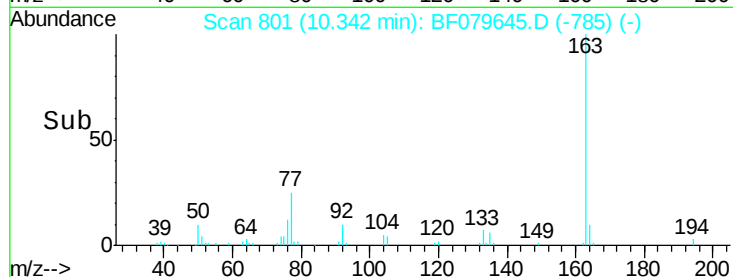
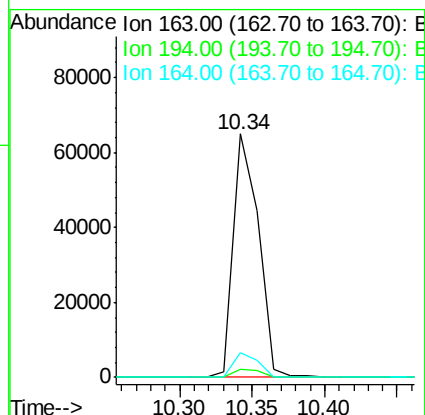
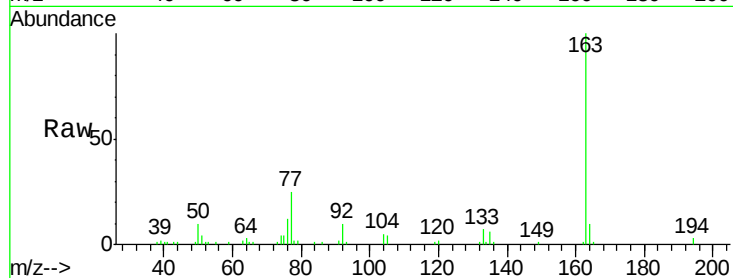
#49
Dimethylphthalate
Concen: 8.36 ng
RT: 10.34 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF079645.D
Acq: 31 May 2015 21:02

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	78203		
194	3.1		2.4	3.6
164	10.1		8.2	12.4

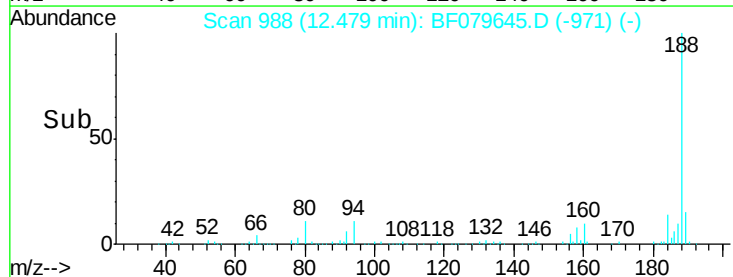
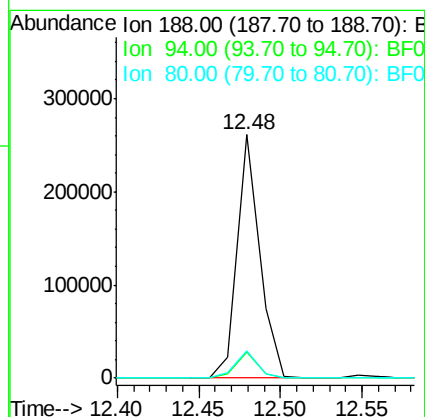
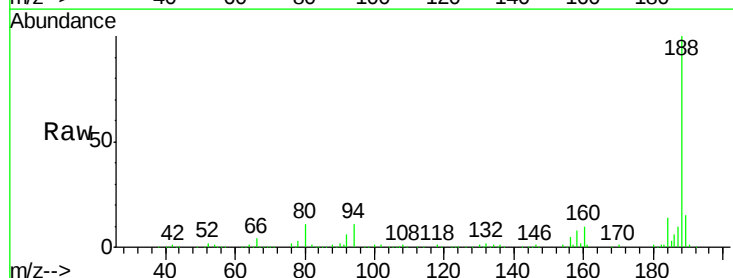
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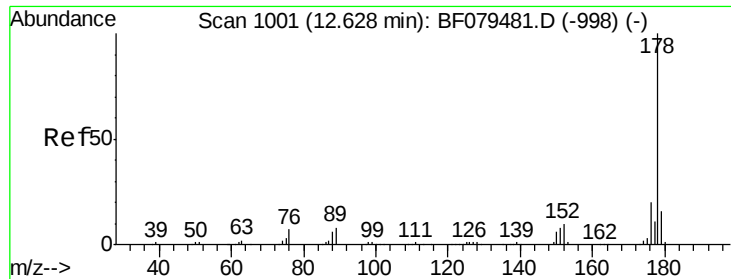
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.48 min Scan# 988
Delta R.T. -0.00 min
Lab File: BF079645.D
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Tgt Ion	Ratio	Resp	Lower	Upper
188	100	249234		
94	10.7		9.8	14.6
80	11.0		10.5	15.7





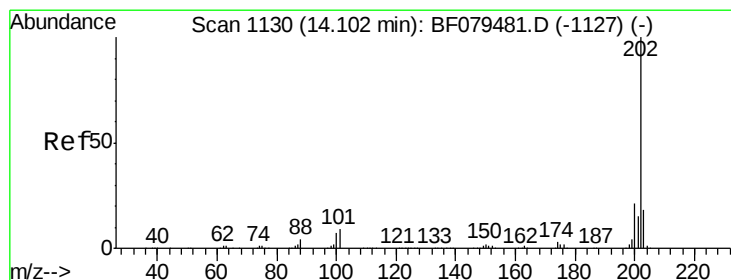
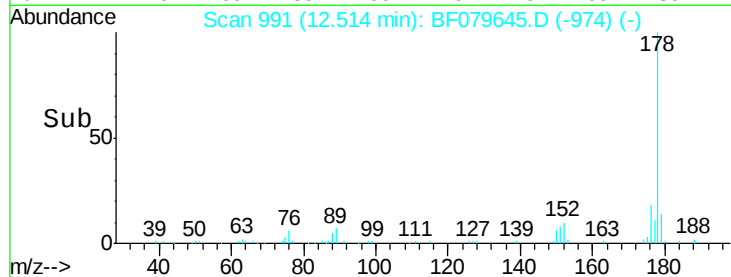
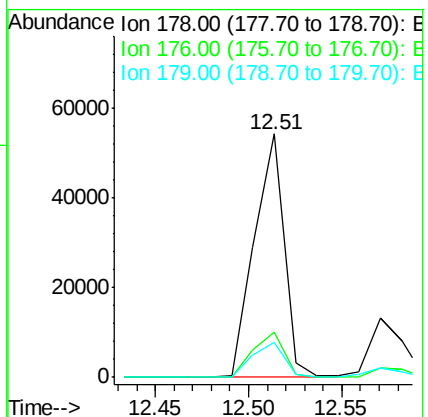
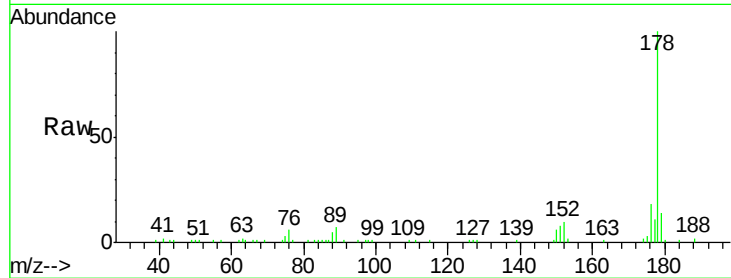
#70
 Phenanthrene
 Concen: 4.40 ng
 RT: 12.51 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BF079645.D
 Acq: 31 May 2015 21:02

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.7	23.5
179	14.3	12.4	18.6

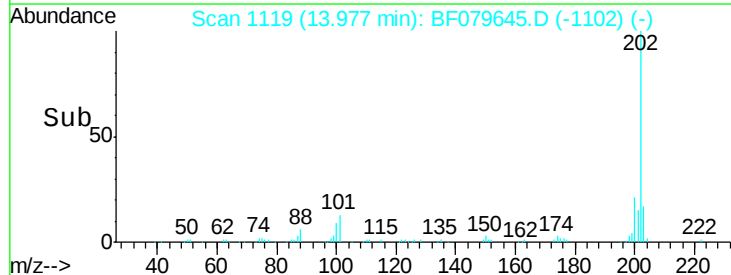
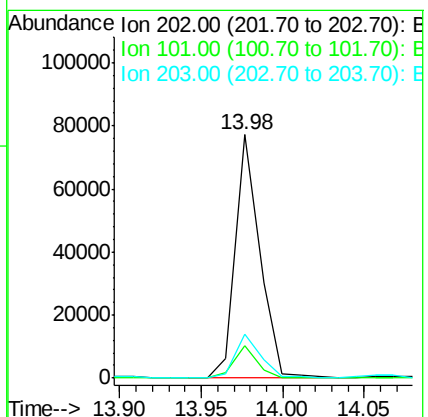
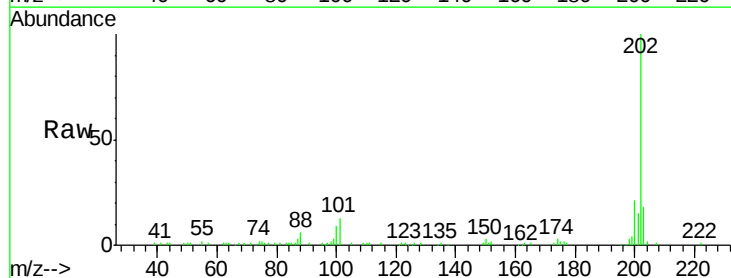
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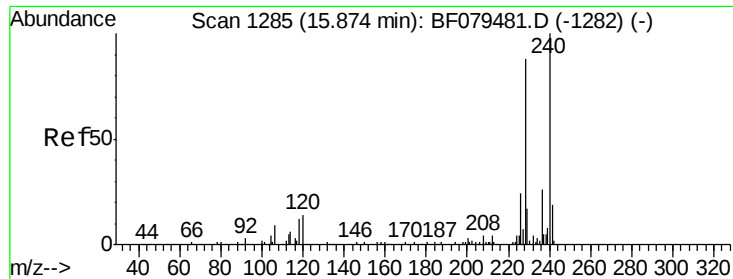
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#74
 Fluoranthene
 Concen: 5.45 ng
 RT: 13.98 min Scan# 1119
 Delta R.T. -0.00 min
 Lab File: BF079645.D
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Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	29.3
203	17.8	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.75 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

Instrument :

BNA_F

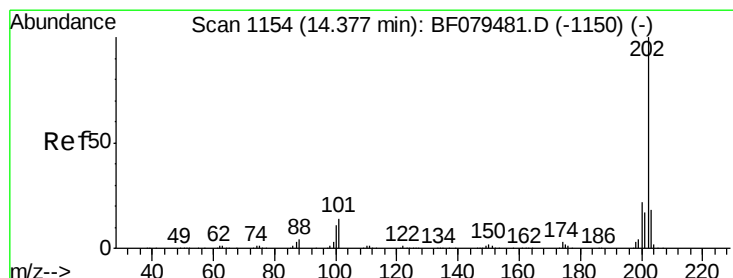
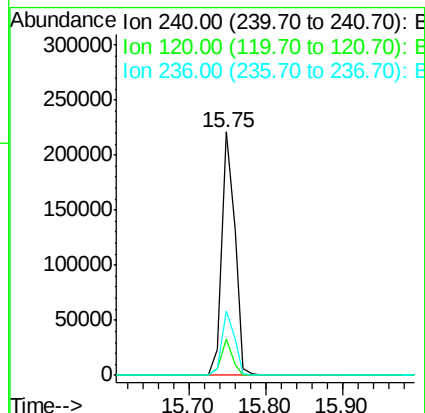
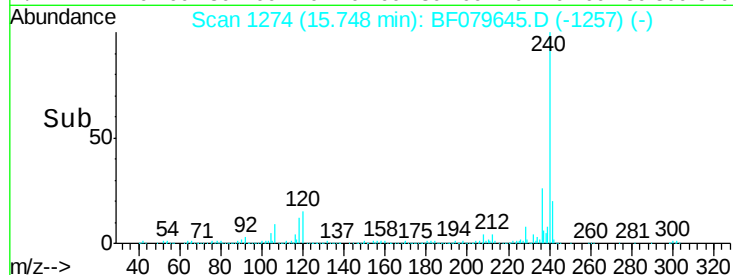
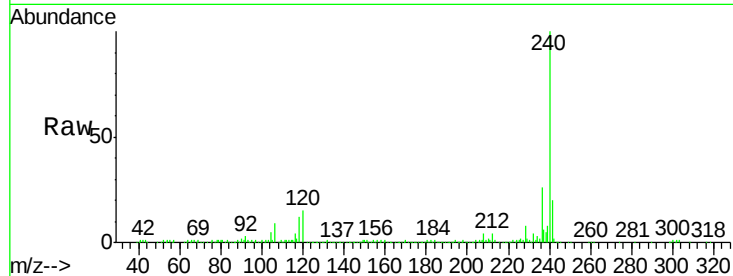
ClientSampled :

SB-20D

Tgt Ion:	240	Resp:	266630
Ion Ratio	Lower	Upper	
240	100		
120	14.9	10.8	16.2
236	26.4	21.0	31.6

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#77

Pyrene

Concen: 5.76 ng

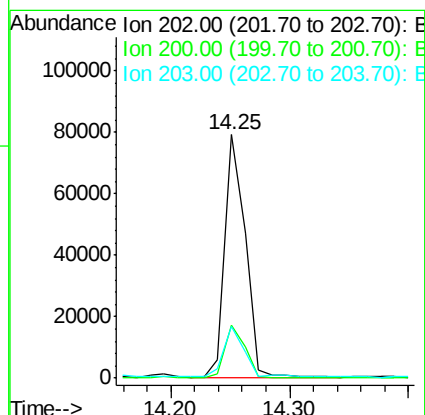
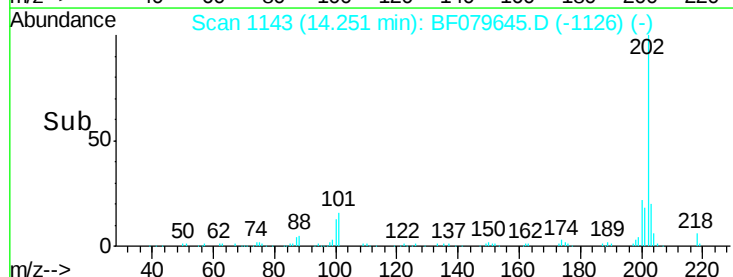
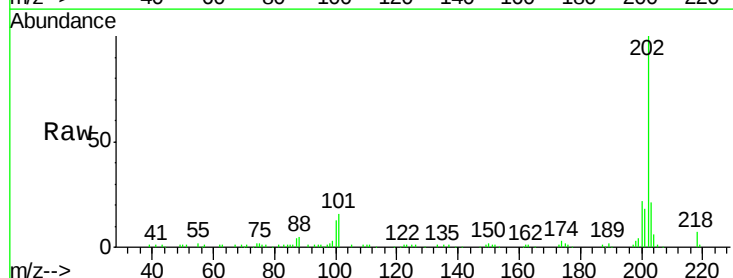
RT: 14.25 min Scan# 1143

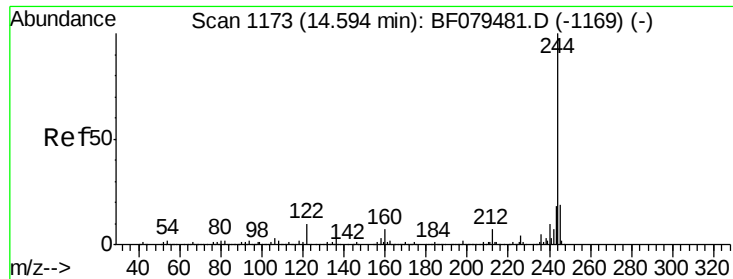
Delta R.T. -0.00 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

Tgt Ion:	202	Resp:	95086
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.5	26.3
203	21.2	14.4	21.6





#78

Terphenyl-d14

Concen: 50.06 ng

RT: 14.48 min Scan# 1163

Delta R.T. 0.01 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

Instrument :

BNA_F

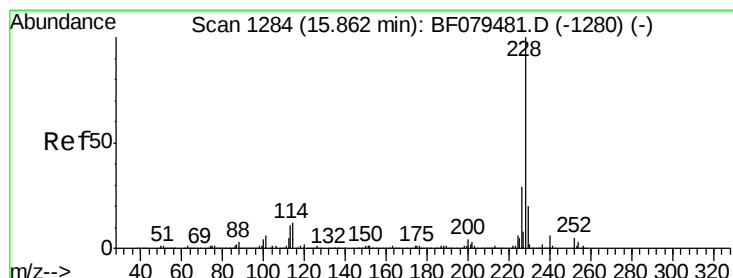
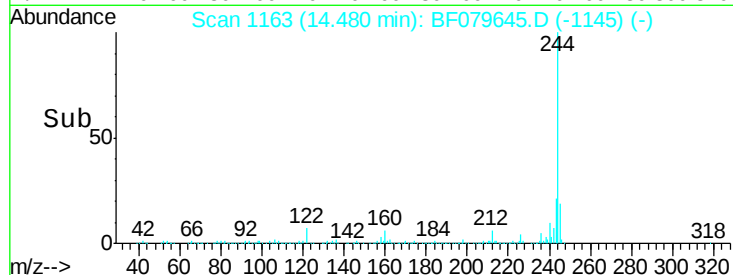
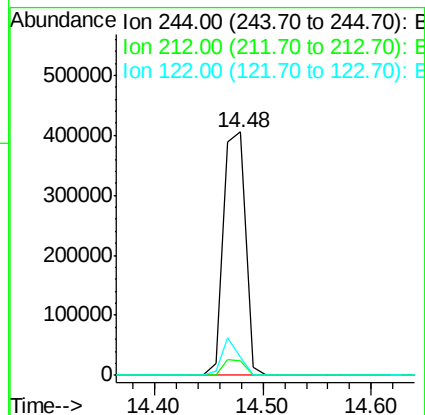
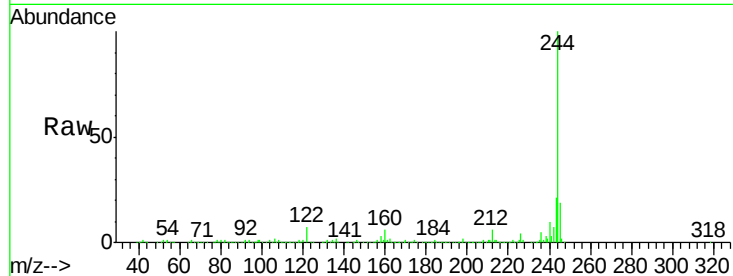
ClientSampled :

SB-20D

Tgt	Ion:244	Resp:	568767
Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.2	7.8
122	7.4	8.0	12.0#

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#80

Benzo(a)anthracene

Concen: 2.71 ng m

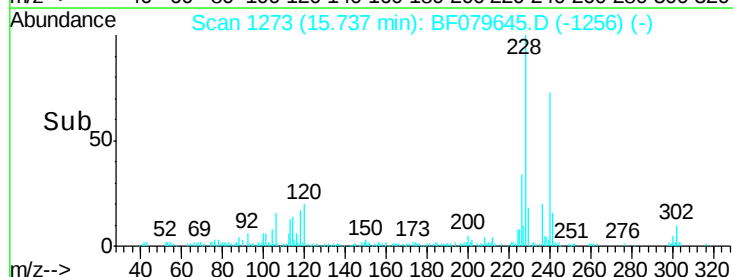
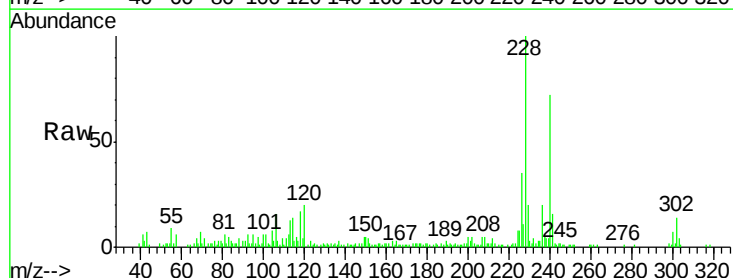
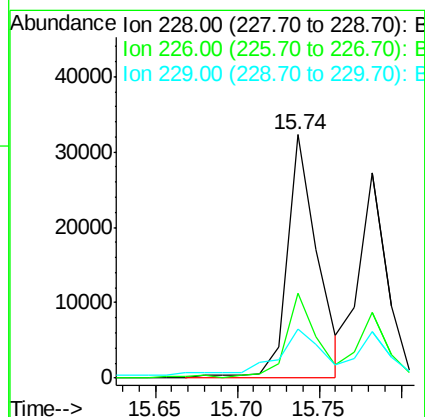
RT: 15.74 min Scan# 1273

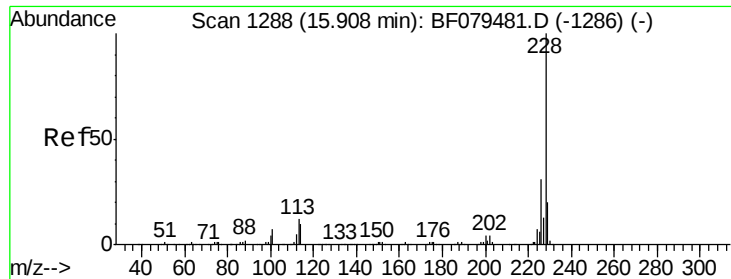
Delta R.T. -0.00 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

Tgt	Ion:228	Resp:	41622
Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.8	34.2#
229	20.3	15.9	23.9





#82

Chrysene

Concen: 2.23 ng

RT: 15.78 min Scan# 1277

Delta R.T. -0.00 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

Instrument :

BNA_F

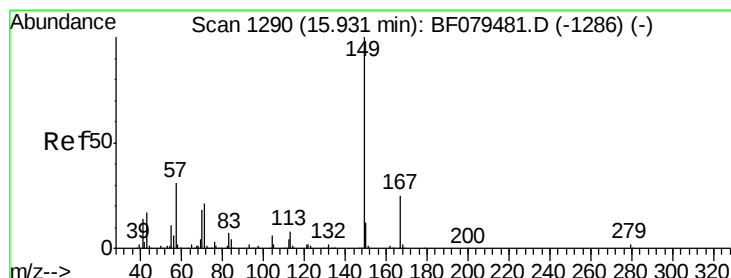
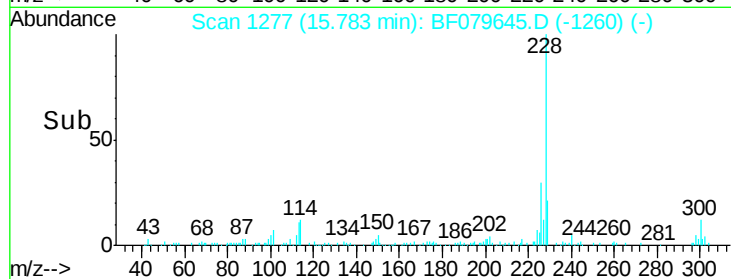
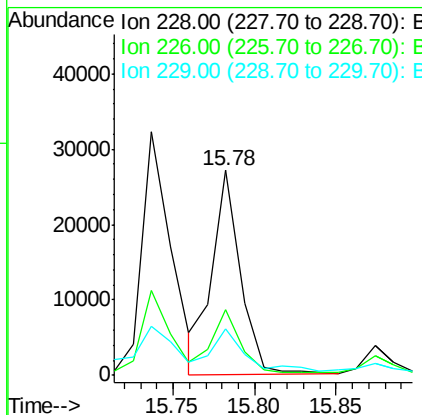
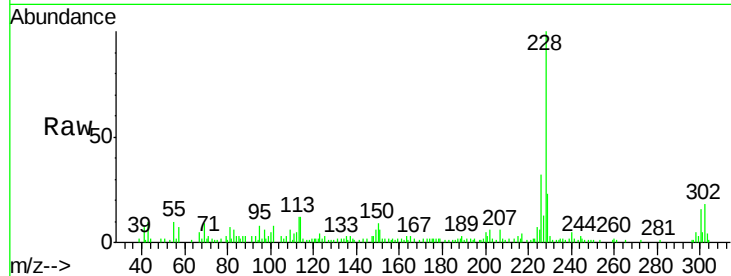
ClientSampleId :

SB-20D

Tgt Ion:	228	Resp:	32565
Ion Ratio	Lower	Upper	
228	100		
226	31.9	25.0	37.4
229	22.7	15.9	23.9

Manual Integrations
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6/1/2015 8:43:23 PM



#83

Bis(2-ethylhexyl)phthalate

Concen: 8.01 ng

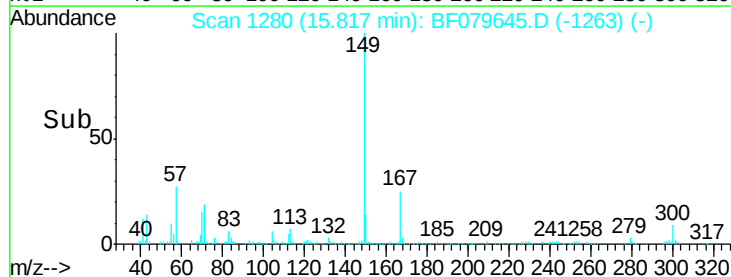
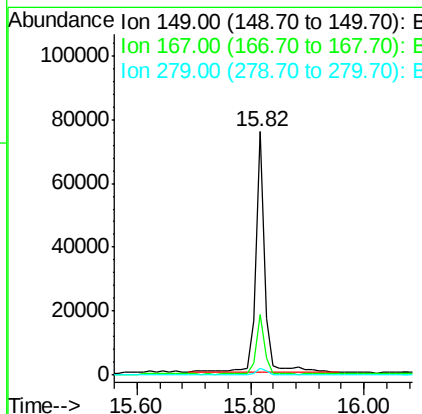
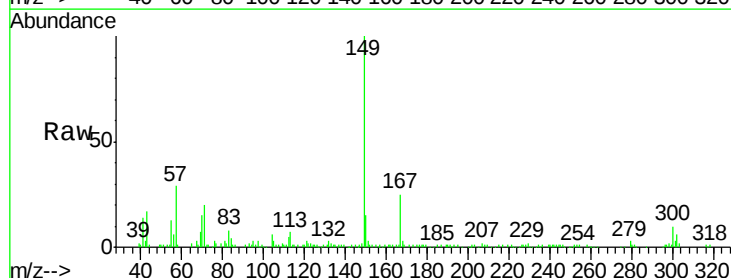
RT: 15.82 min Scan# 1280

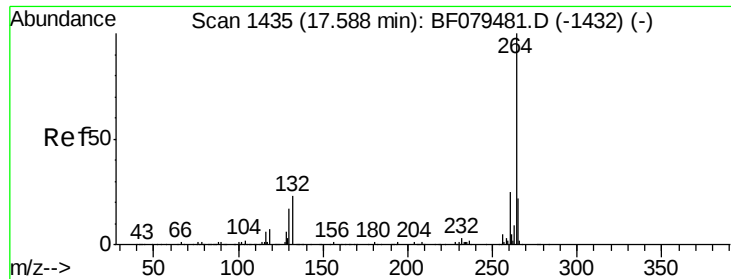
Delta R.T. -0.00 min

Lab File: BF079645.D

Acq: 31 May 2015 21:02

Tgt Ion:	149	Resp:	85294
Ion Ratio	Lower	Upper	
149	100		
167	24.9	20.2	30.4
279	2.7	2.0	3.0





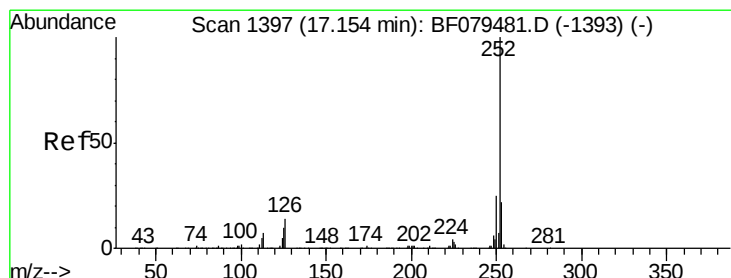
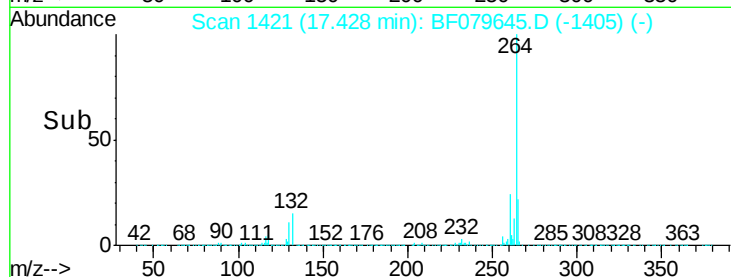
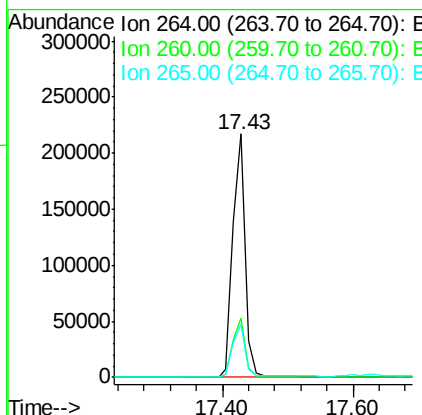
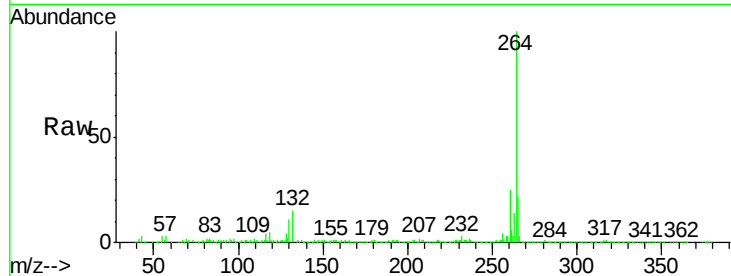
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.43 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF079645.D
Acq: 31 May 2015 21:02

Instrument :
BNA_F
ClientSampled :
SB-20D

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	277348		
260	24.5	19.8	29.8	
265	21.8	17.8	26.6	

Manual Integrations
APPROVED

apatel
6/1/2015 8:43:23 PM



#87
Benzo(b)fluoranthene
Concen: 2.76 ng m
RT: 17.01 min Scan# 1384
Delta R.T. -0.01 min
Lab File: BF079645.D
Acq: 31 May 2015 21:02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	43729		
253	23.9	17.6	26.4	
125	14.3	7.8	11.6#	

