

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
 Data File : BF079492.D
 Acq On : 26 May 2015 23:19
 Operator : TP/IZ
 Sample : G2289-11 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-30S

Manual Integrations
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Quant Time: May 27 02:08:31 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 19:25:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	94103	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	391503	20.00	ng	0.00
38) Acenaphthene-d10	10.77	164	188312	20.00	ng	0.00
63) Phenanthrene-d10	12.59	188	363653	20.00	ng	0.00
75) Chrysene-d12	15.87	240	378462	20.00	ng	0.00
86) Perylene-d12	17.57	264	425672	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	333608m	61.49	ng	0.00
7) Phenol-d6	6.62	99	443743m	64.17	ng	0.00
23) Nitrobenzene-d5	7.71	82	250769	37.03	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	130310	63.00	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	517470	39.20	ng	0.00
78) Terphenyl-d14	14.59	244	589188	36.54	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.46	163	38353	2.76	ng	98
51) Acenaphthene	10.80	154	30414	2.76	ng	98
57) Fluorene	11.44	166	39848	2.97	ng	95
70) Phenanthrene	12.63	178	642627	32.21	ng	99
71) Anthracene	12.70	178	174617	8.62	ng	99
72) Carbazole	12.90	167	47584	2.44	ng	96
74) Fluoranthene	14.10	202	1008403	47.13	ng	97
77) Pyrene	14.38	202	936336	39.93	ng	96
80) Benzo(a)anthracene	15.86	228	587679	26.99	ng	97
82) Chrysene	15.91	228	474029	22.91	ng	97
85) Indeno(1,2,3-cd)pyrene	18.88	276	433214	16.28	ng	93
87) Benzo(b)fluoranthene	17.14	252	766712m	31.58	ng	
88) Benzo(k)fluoranthene	17.17	252	270265m	12.45	ng	
89) Benzo(a)pyrene	17.51	252	609803	27.91	ng	98
90) Dibenzo(a,h)anthracene	18.89	278	100120	3.08	ng	# 90
91) Benzo(g,h,i)perylene	19.27	276	421553	18.10	ng	97

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

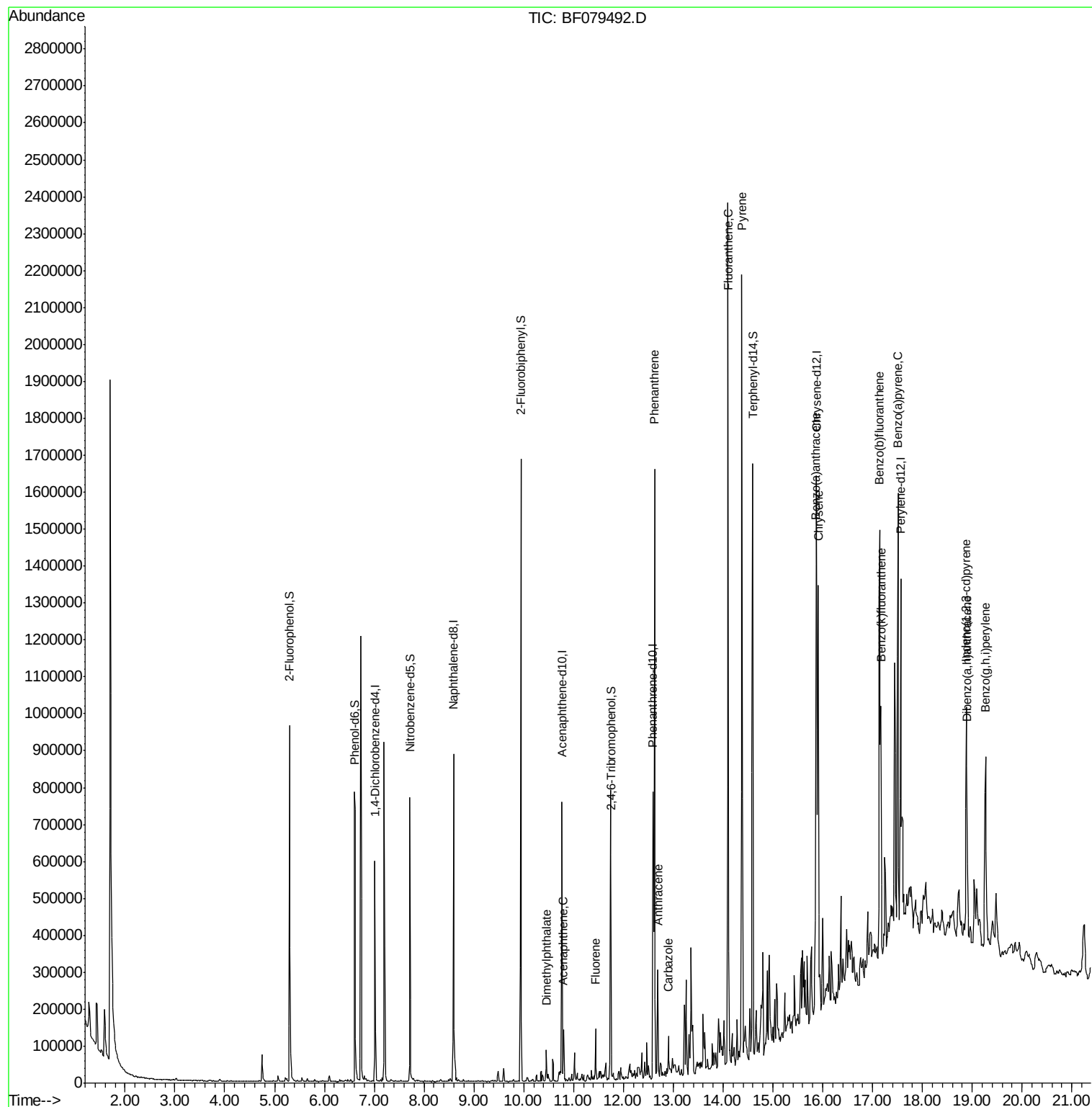
Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\
Data File : BF079492.D
Acq On : 26 May 2015 23:19
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Misc :
ALS Vial : 15 Sample Multiplier: 1

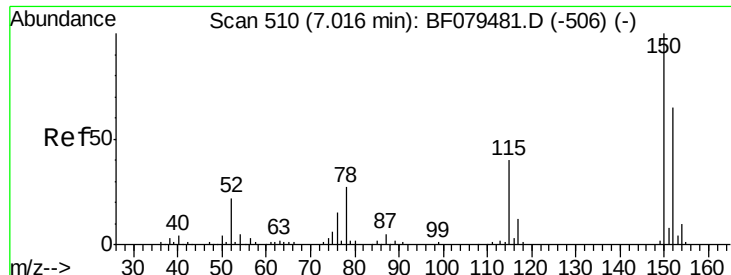
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

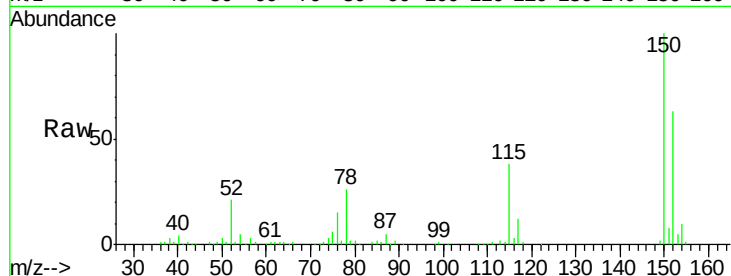
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.02 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Instrument :
BNA_F
ClientSampled :
SB-30S

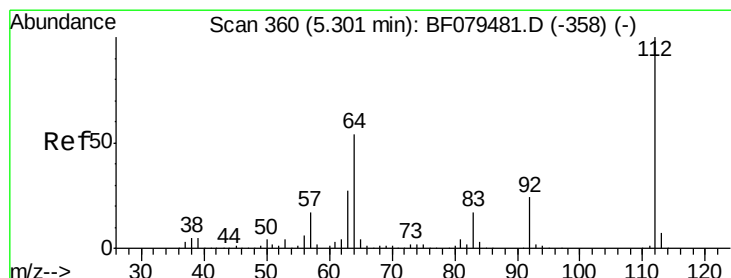
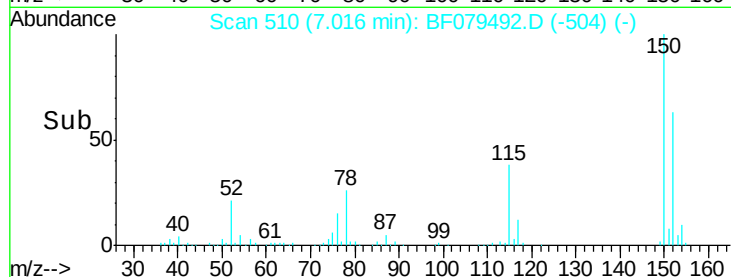
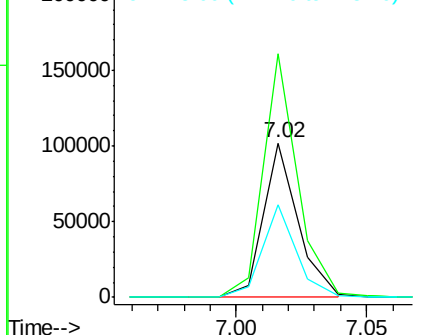
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.0	186.0
115	60.0	49.6	74.4

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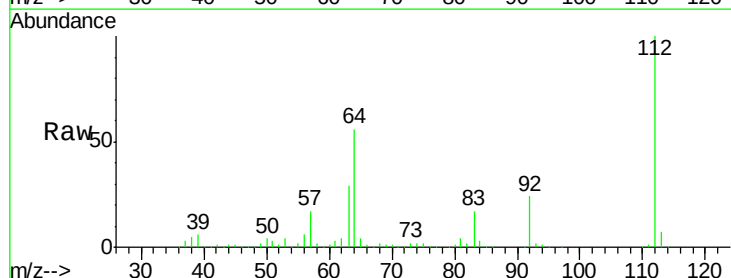
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



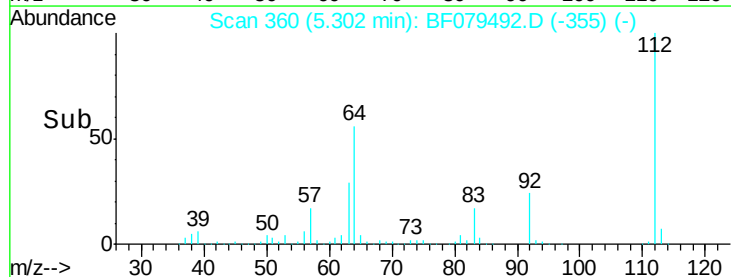
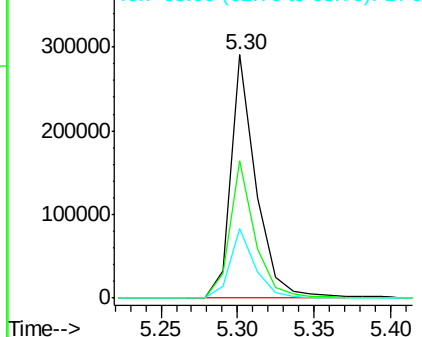
#5

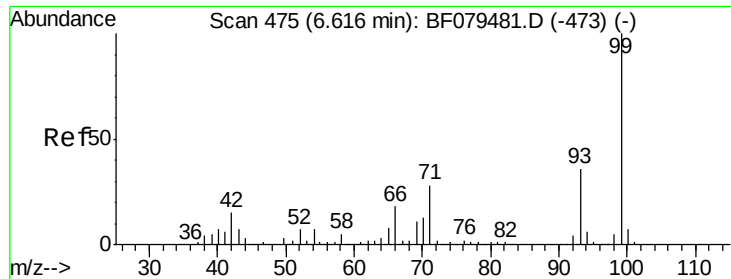
2-Fluorophenol
Concen: 61.49 ng m
RT: 5.30 min Scan# 360
Delta R.T. 0.00 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	43.5	65.3
63	28.6	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: 64.17 ng/mL

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

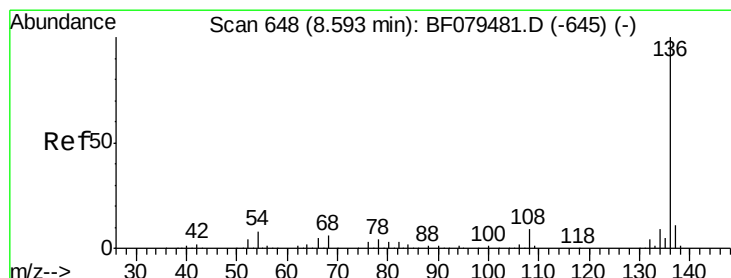
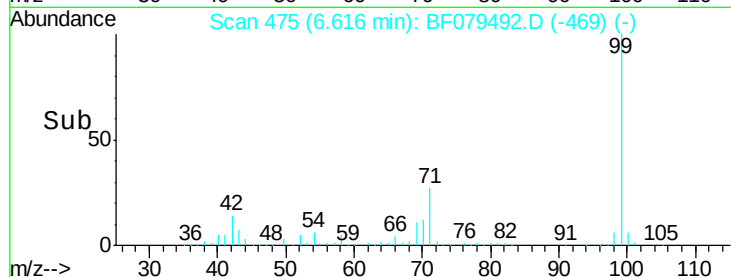
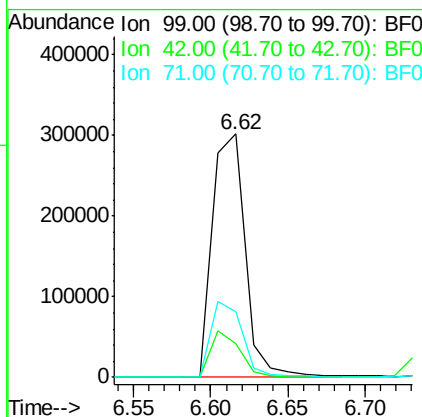
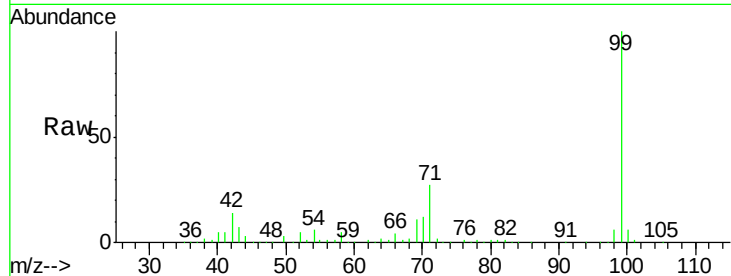
ClientSampleId :

SB-30S

Tot Ion:	99	Resp:	443743
Ion Ratio	Lower	Upper	
99	100		
42	14.1	11.9	17.9
71	27.1	22.1	33.1

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#21

Naphthalene-d8

Concen: 20.00 ng/mL

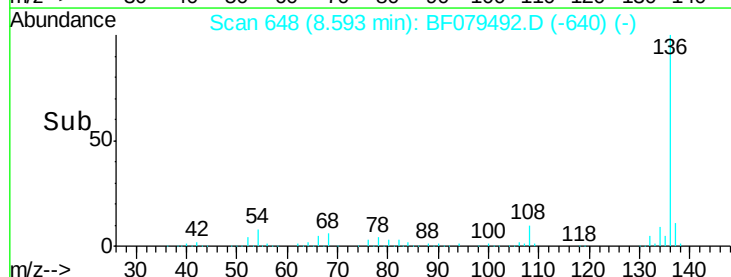
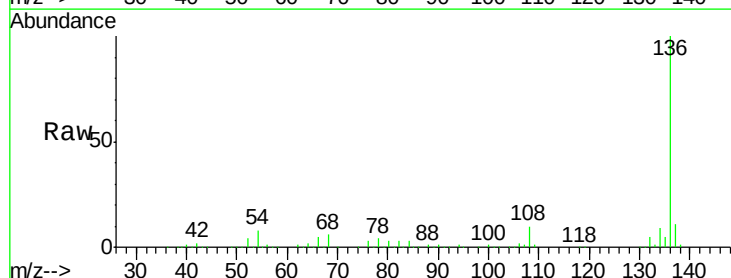
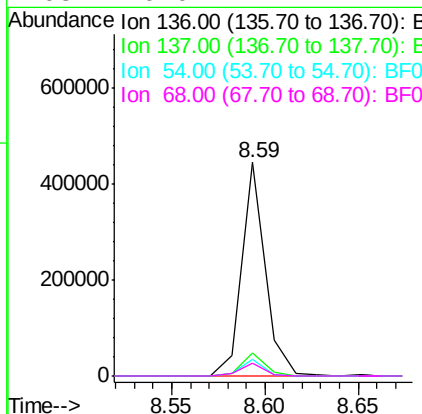
RT: 8.59 min Scan# 648

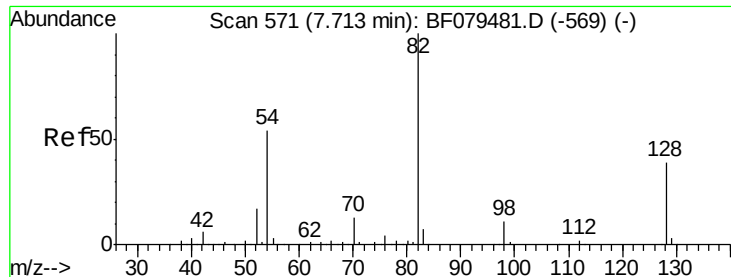
Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Tgt Ion:	136	Resp:	391503
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.5	12.7
54	7.6	6.6	9.8
68	6.0	4.7	7.1





#23

Nitrobenzene-d5

Concen: 37.03 ng

RT: 7.71 min Scan# 571

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

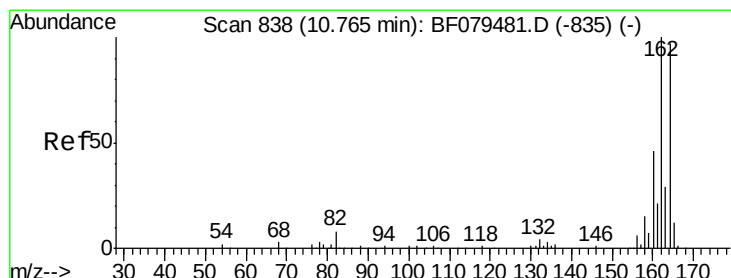
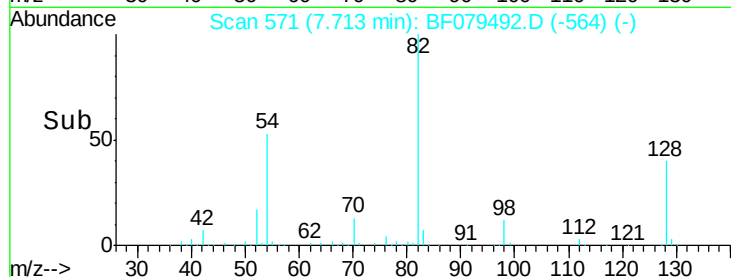
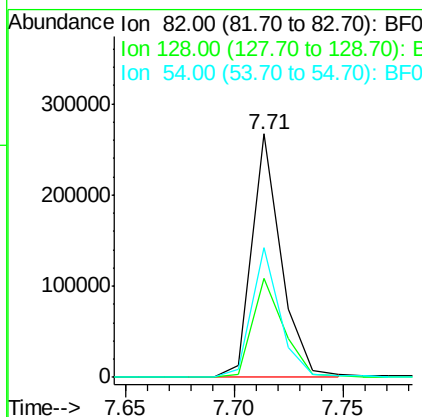
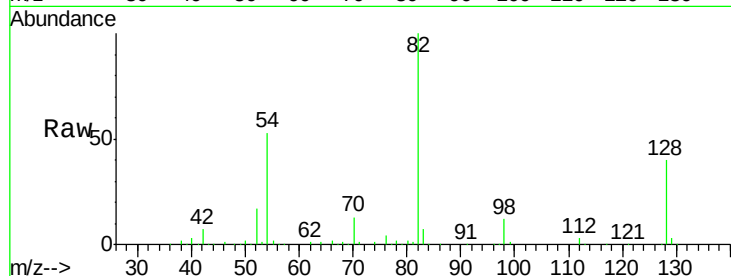
ClientSampled :

SB-30S

Tot Ion:	82	Resp:	250769
Ion Ratio	Lower	Upper	
82	100		
128	40.4	30.8	46.2
54	53.5	42.8	64.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

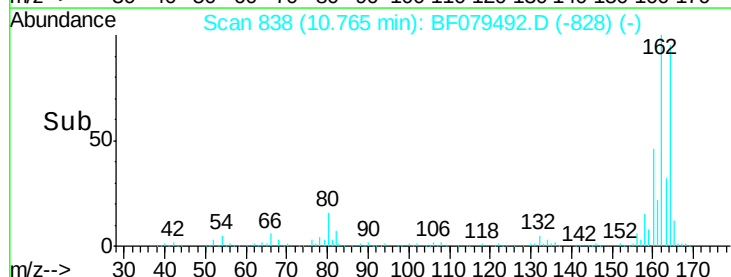
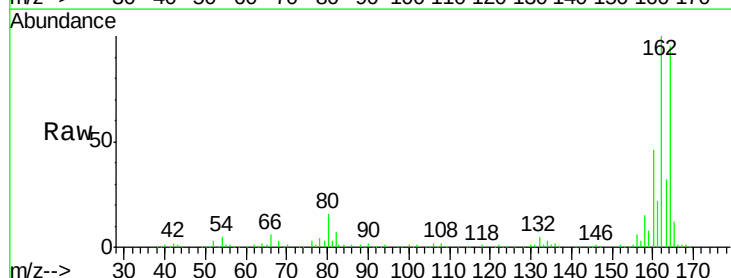
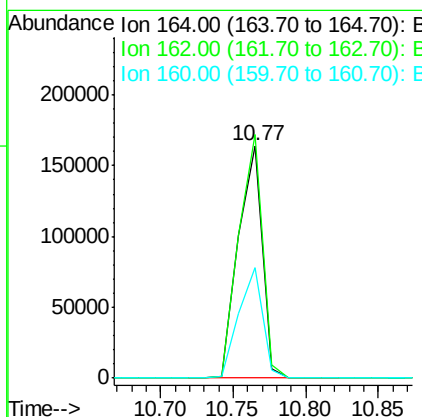
RT: 10.77 min Scan# 838

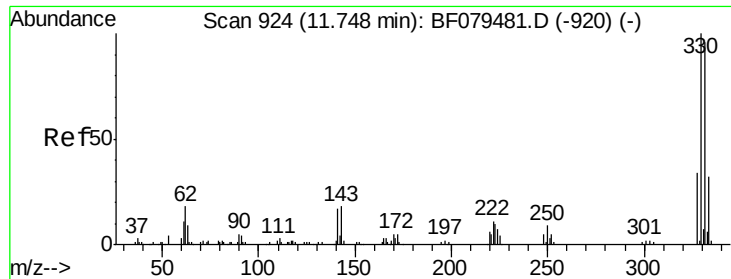
Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Tgt Ion:	164	Resp:	188312
Ion Ratio	Lower	Upper	
164	100		
162	104.8	82.6	124.0
160	47.8	37.7	56.5





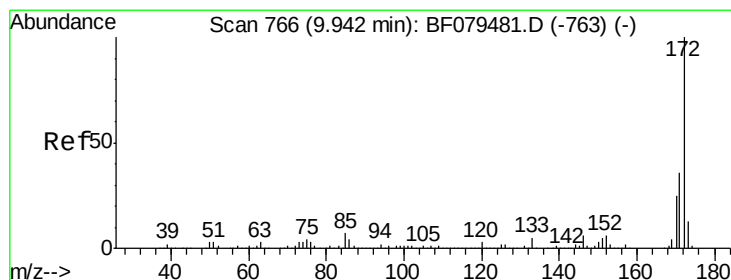
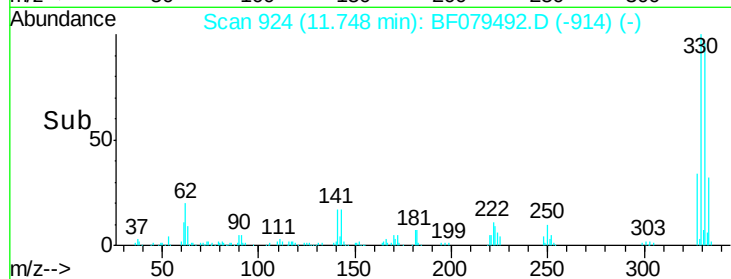
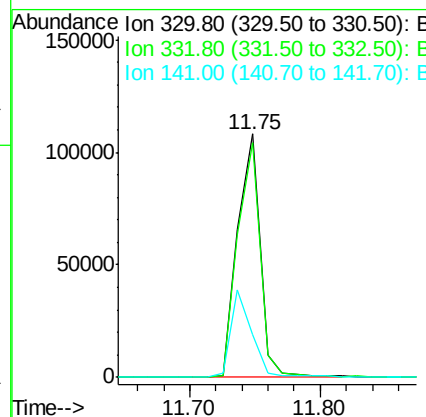
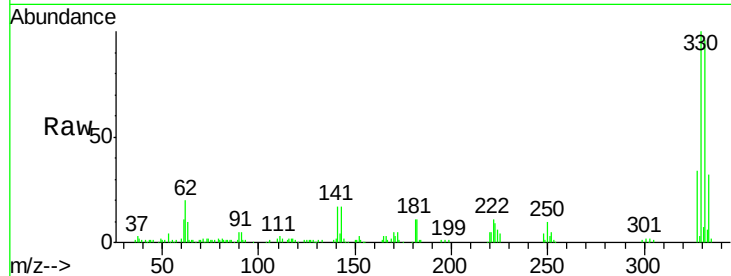
#41
 2,4,6-Tribromophenol
 Concen: 63.00 ng
 RT: 11.75 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF079492.D
 Acq: 26 May 2015 23:19

Instrument :
 BNA_F
 ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	0.0	0.0	0.0
141	33.9	0.0	0.0	0.0

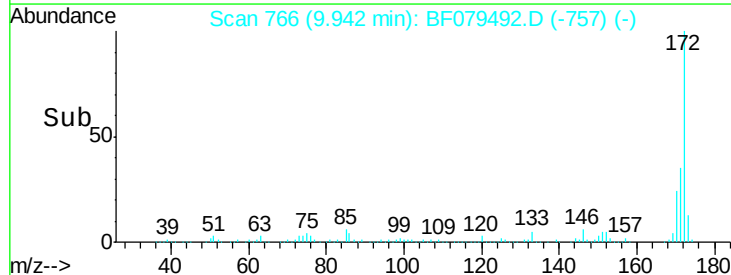
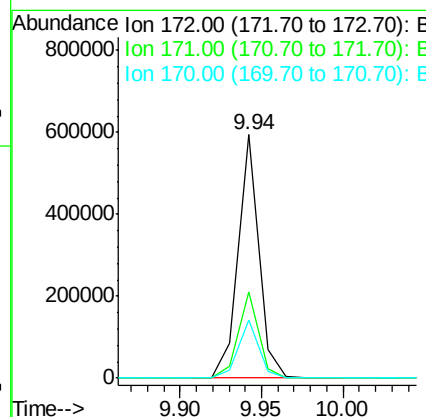
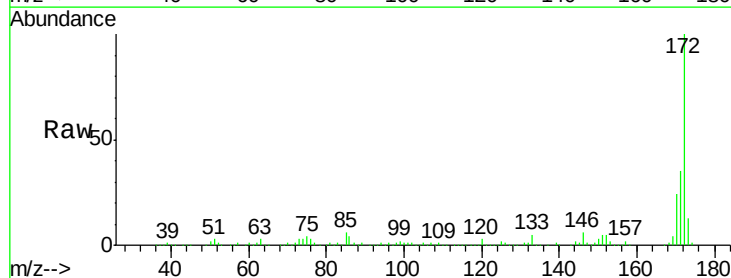
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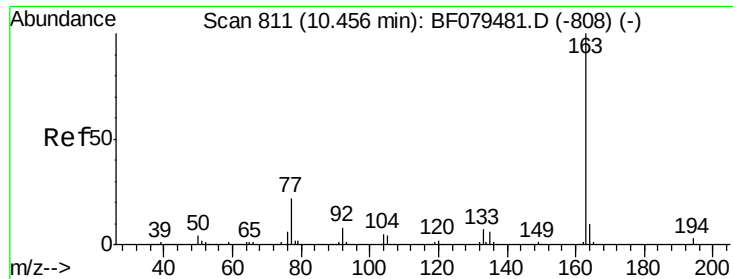
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#44
 2-Fluorobiphenyl
 Concen: 39.20 ng
 RT: 9.94 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BF079492.D
 Acq: 26 May 2015 23:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	28.5	42.7	
170	24.1	19.7	29.5	





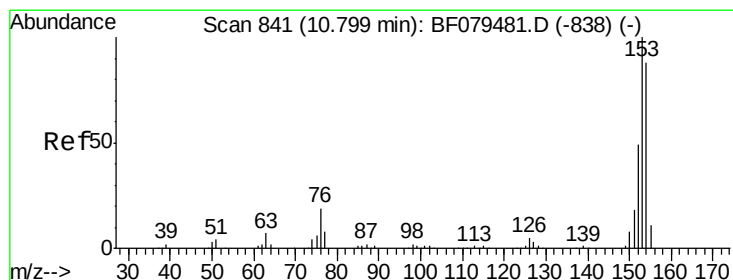
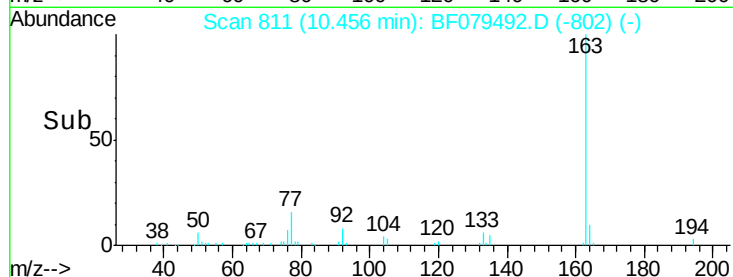
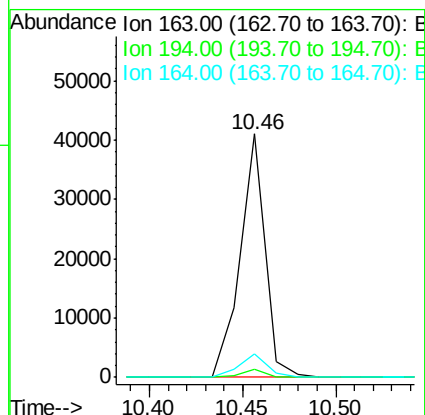
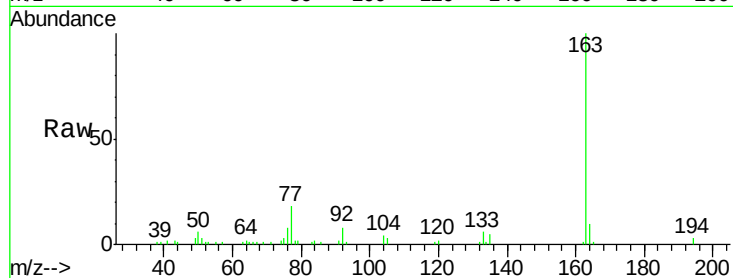
#49
Dimethylphthalate
Concen: 2.76 ng
RT: 10.46 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Instrument :
BNA_F
ClientSampleId :
SB-30S

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.5	2.4	3.6	
164	9.7	8.2	12.4	

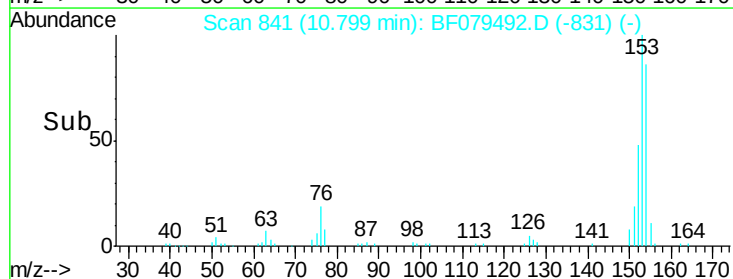
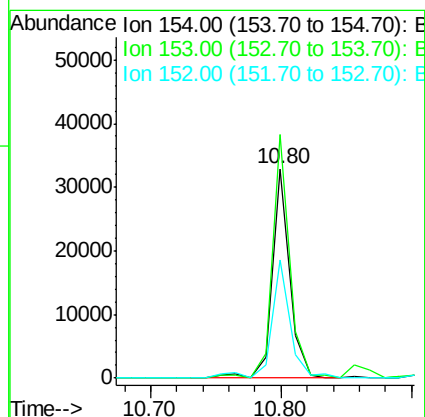
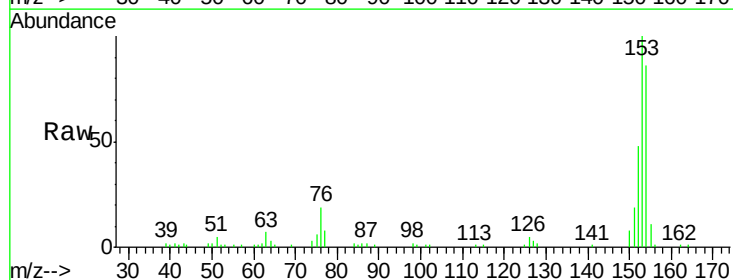
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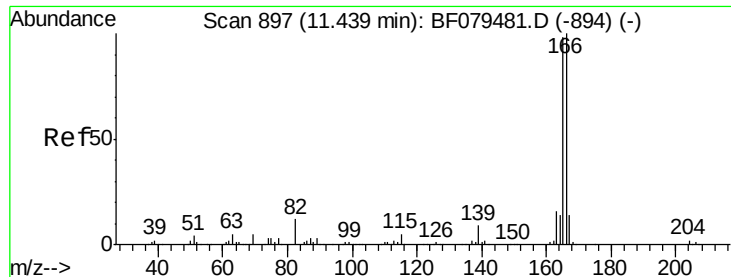
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#51
Acenaphthene
Concen: 2.76 ng
RT: 10.80 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	116.4	91.1	136.7	
152	56.3	44.6	66.8	





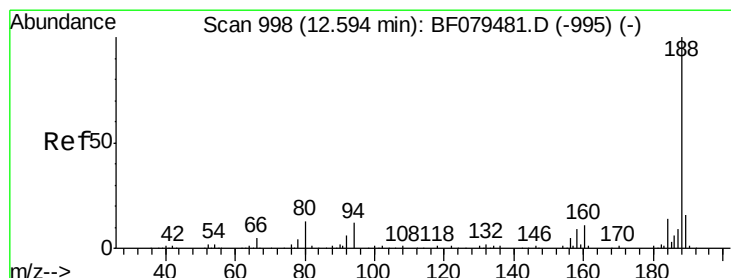
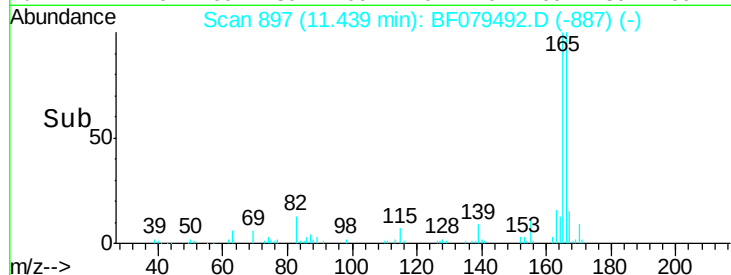
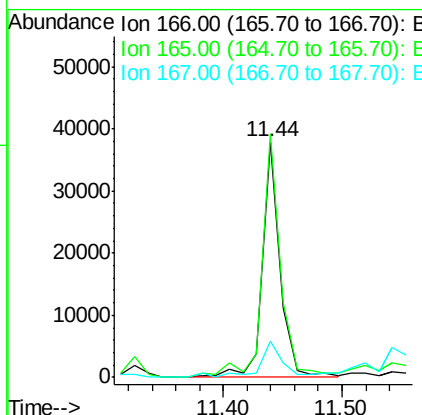
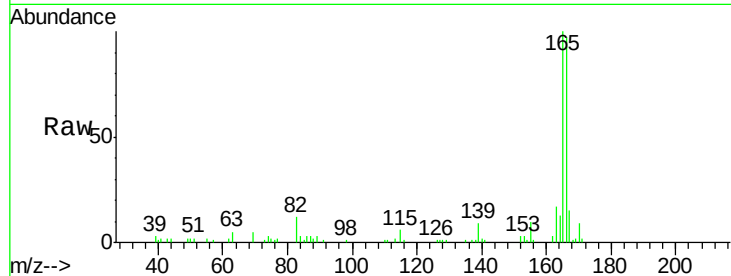
#57
Fluorene
 Concen: 2.97 ng
 RT: 11.44 min Scan# 897
 Delta R.T. 0.00 min
 Lab File: BF079492.D
 Acq: 26 May 2015 23:19

Instrument :
 BNA_F
 ClientSampled :
 SB-30S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		39848		
165	103.6	78.6	117.8		
167	15.6	10.8	16.2		

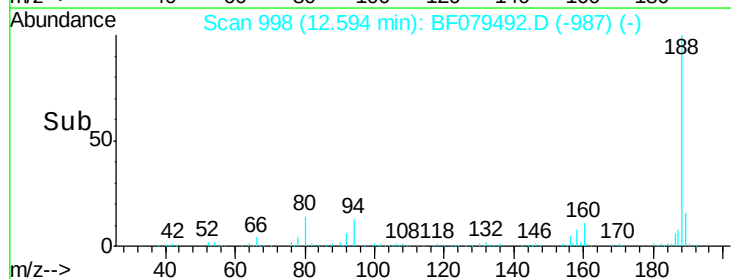
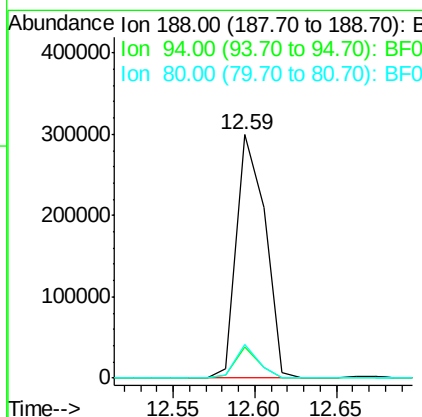
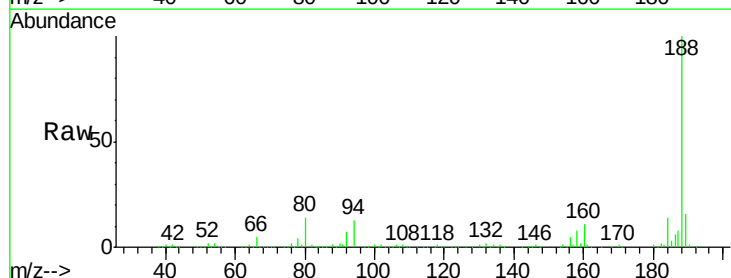
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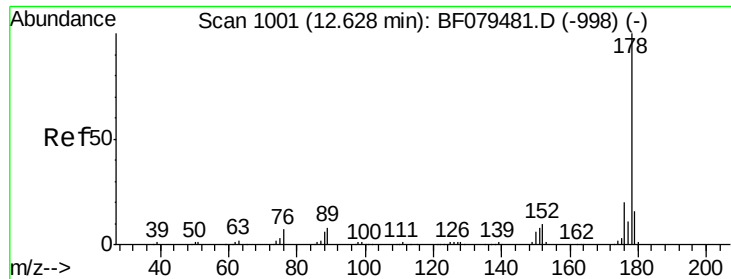
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.59 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: BF079492.D
 Acq: 26 May 2015 23:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		363653		
94	12.9	9.8	14.6		
80	13.7	10.5	15.7		





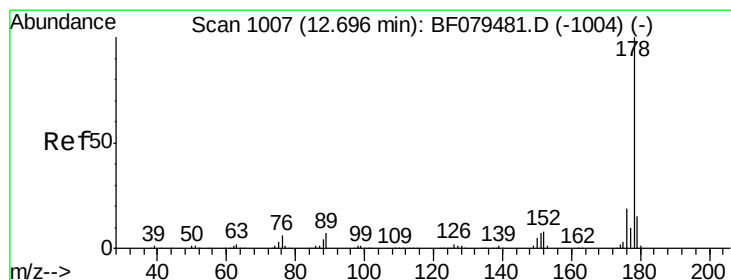
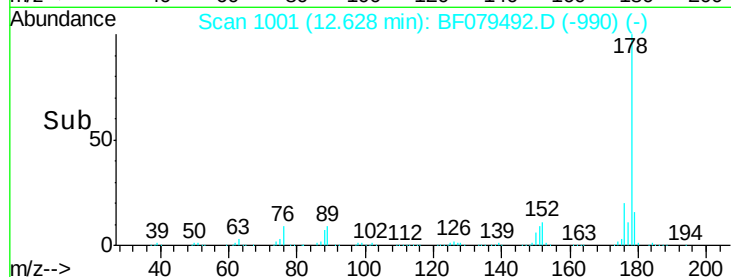
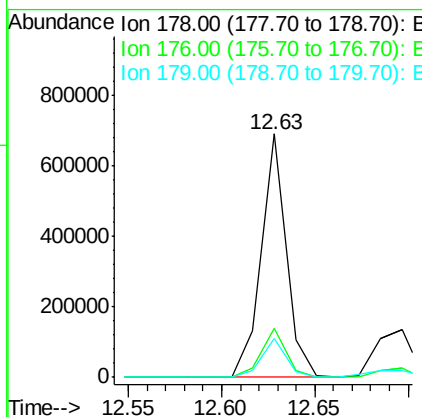
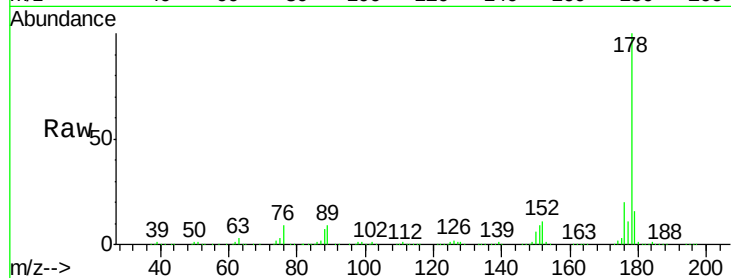
#70
Phenanthrene
Concen: 32.21 ng
RT: 12.63 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Instrument :
BNA_F
ClientSampleId :
SB-30S

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.7	23.5
179	15.9	12.4	18.6

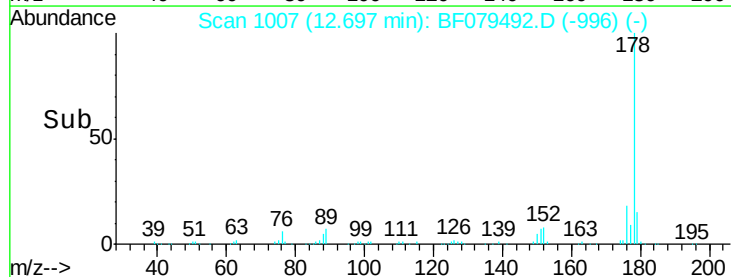
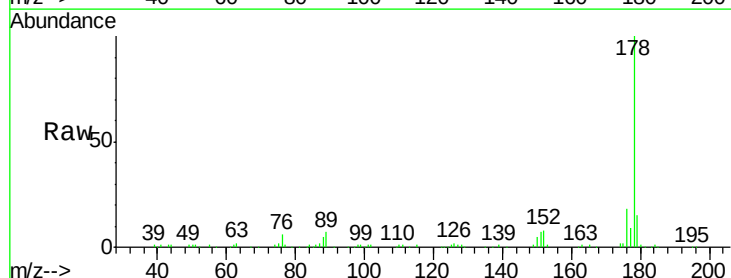
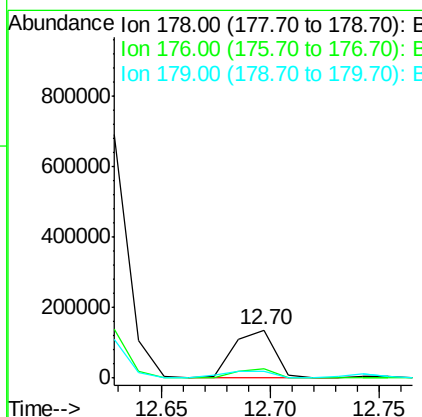
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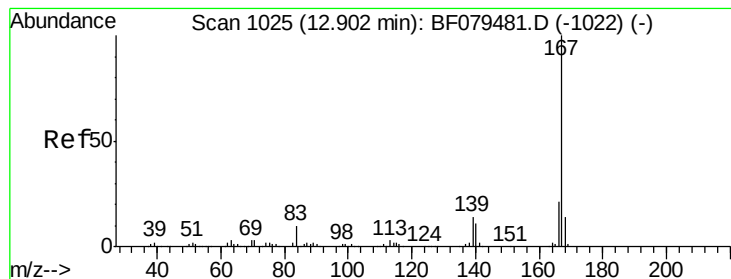
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#71
Anthracene
Concen: 8.62 ng
RT: 12.70 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	14.8	12.2	18.4





#72

Carbazole

Concen: 2.44 ng

RT: 12.90 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

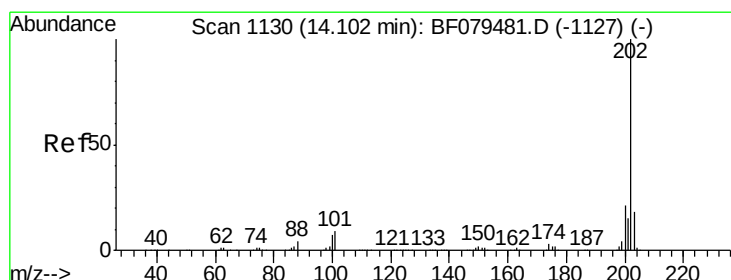
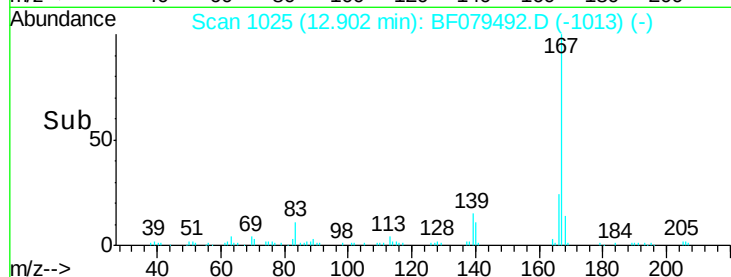
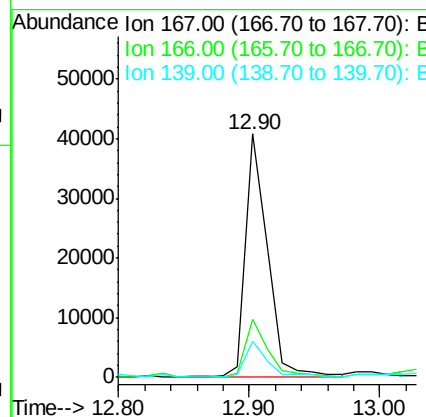
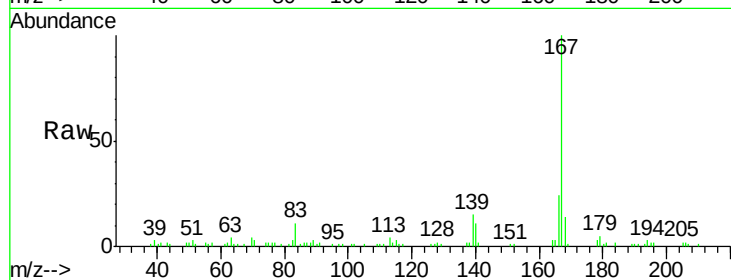
ClientSampled :

SB-30S

Tot Ion:	167	Resp:	47584
Ion Ratio	Lower	Upper	
167	100		
166	23.7	17.0	25.4
139	14.7	11.2	16.8

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#74

Fluoranthene

Concen: 47.13 ng

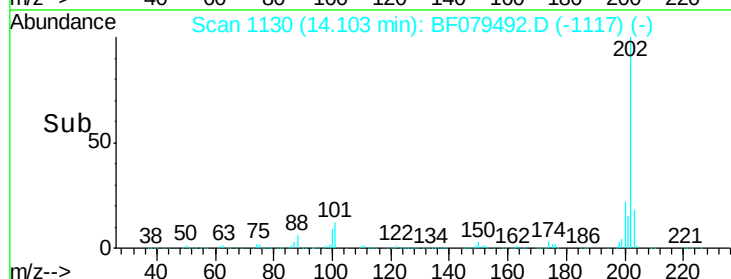
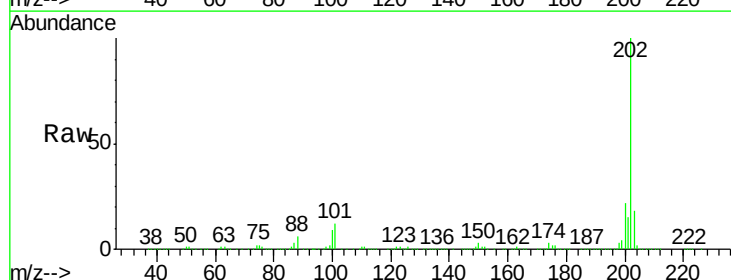
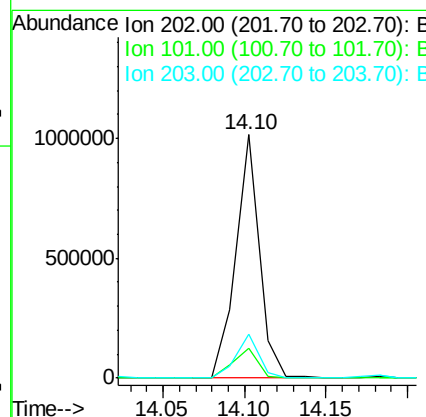
RT: 14.10 min Scan# 1130

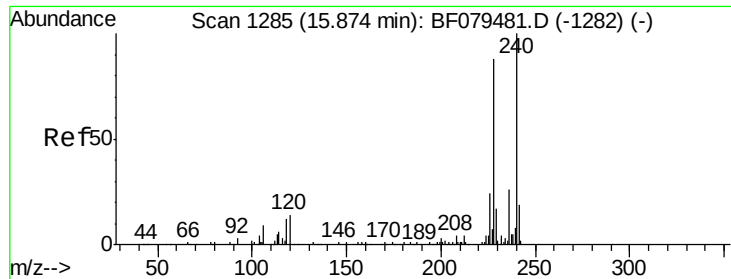
Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Tgt Ion:	202	Resp:	1008403
Ion Ratio	Lower	Upper	
202	100		
101	12.1	0.0	29.3
203	18.1	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.87 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

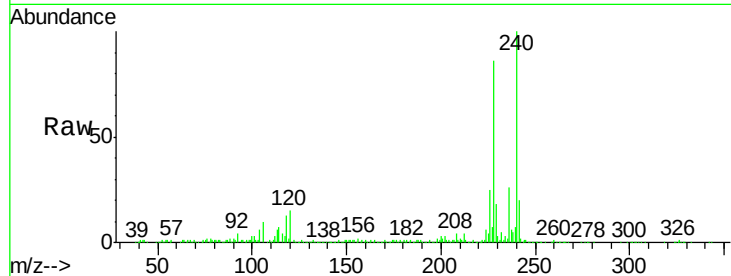
ClientSampled :

SB-30S

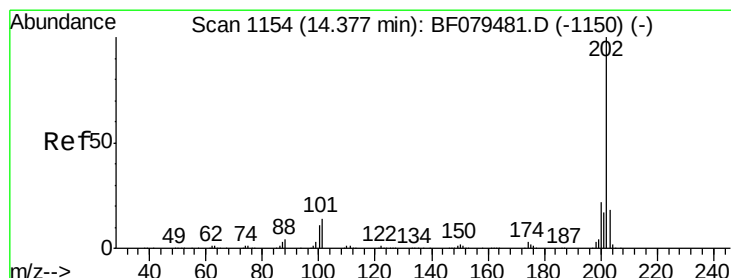
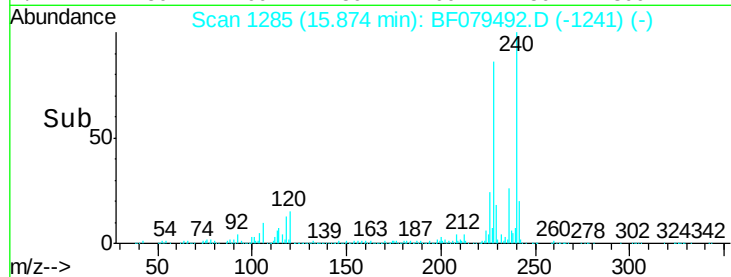
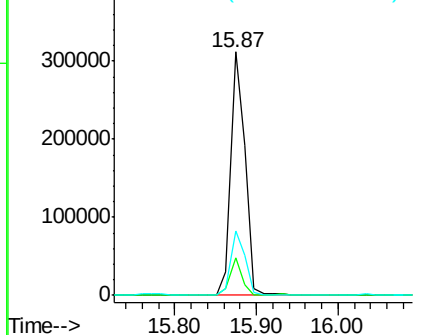
Tot Ion:	240	Resp:	378462
Ion Ratio	Lower	Upper	
240	100		
120	15.5	10.8	16.2
236	26.2	21.0	31.6

Manual Integrations
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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: 39.93 ng

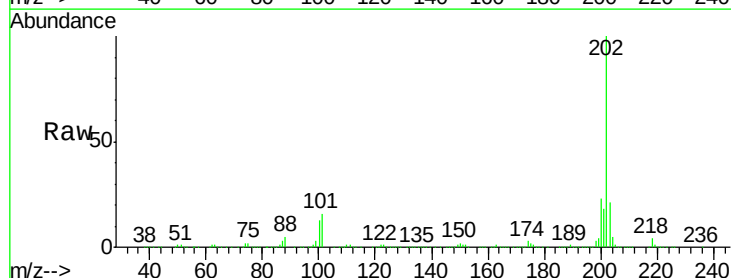
RT: 14.38 min Scan# 1154

Delta R.T. 0.00 min

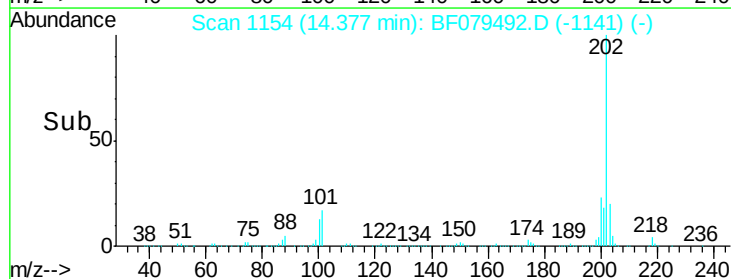
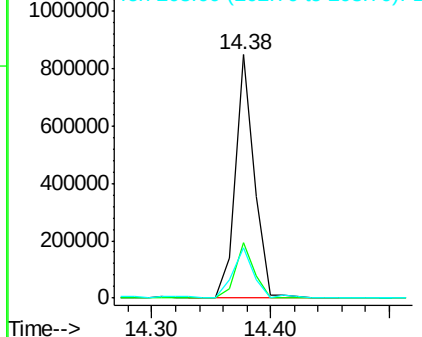
Lab File: BF079492.D

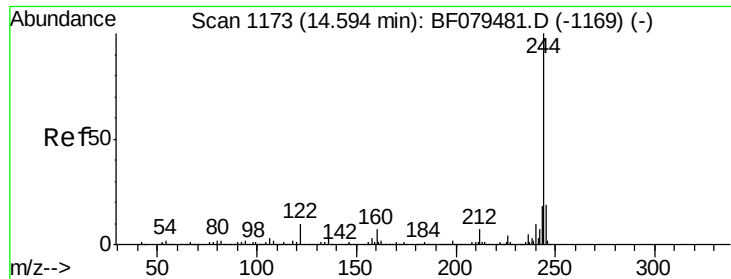
Acq: 26 May 2015 23:19

Tgt Ion:	202	Resp:	936336
Ion Ratio	Lower	Upper	
202	100		
200	22.6	17.5	26.3
203	20.8	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: 36.54 ng

RT: 14.59 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

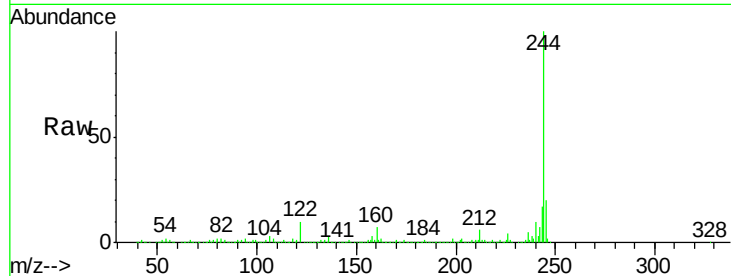
ClientSampleId :

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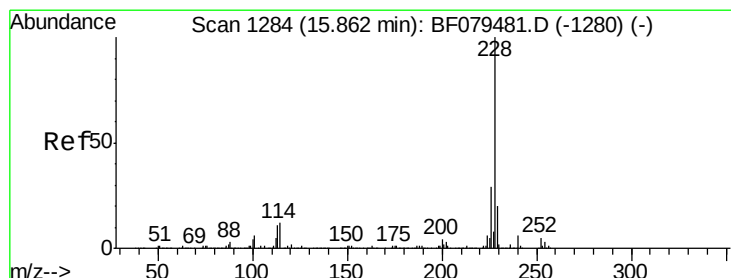
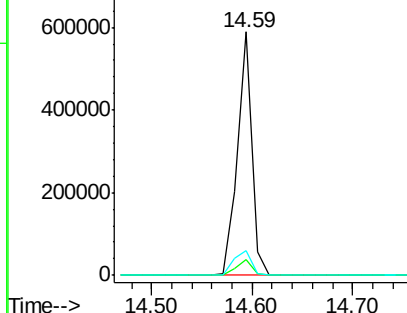
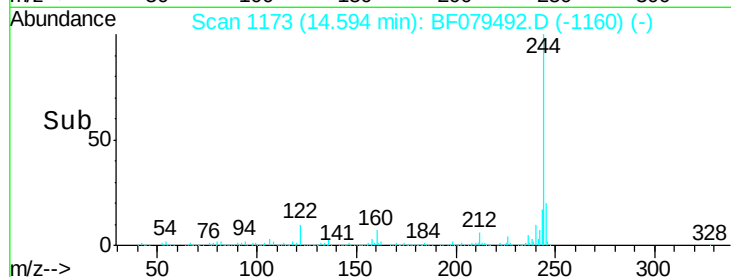
Tot Ion:	244	Resp:	589188
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.3	8.0	12.0

Manual Integrations
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Abundance Ion 244.00 (243.70 to 244.70): E
800000
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 26.99 ng

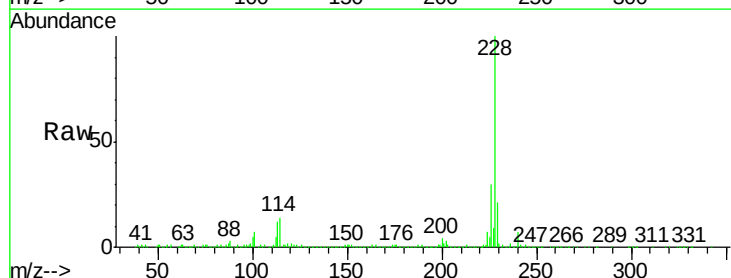
RT: 15.86 min Scan# 1284

Delta R.T. 0.00 min

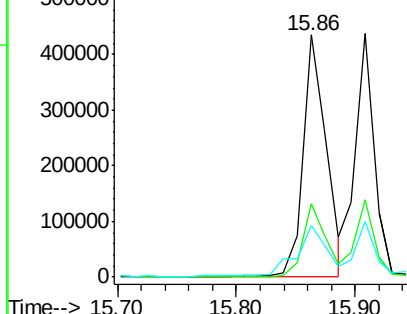
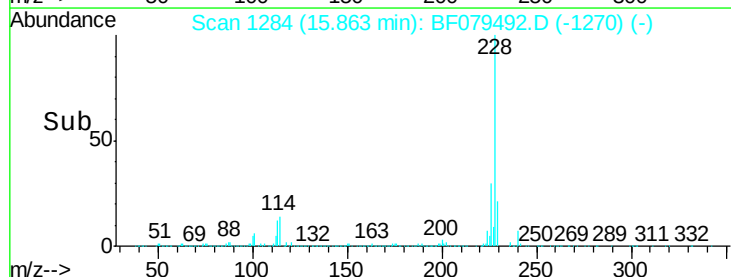
Lab File: BF079492.D

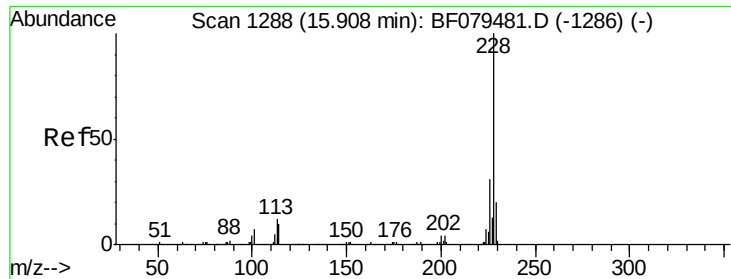
Acq: 26 May 2015 23:19

Tgt Ion:	228	Resp:	587679
Ion Ratio		Lower	Upper
228	100		
226	30.3	22.8	34.2
229	21.2	15.9	23.9



Abundance Ion 228.00 (227.70 to 228.70): E
600000
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





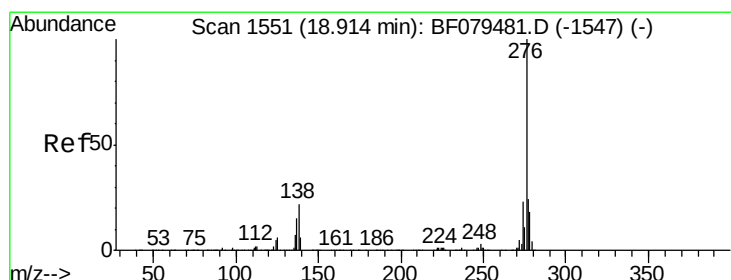
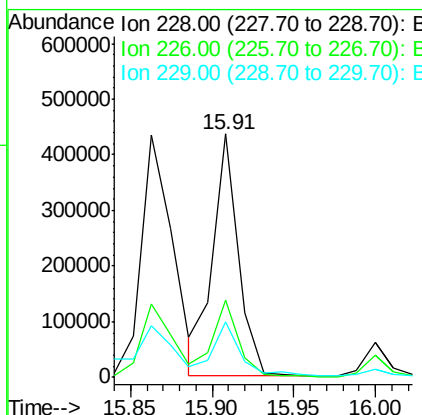
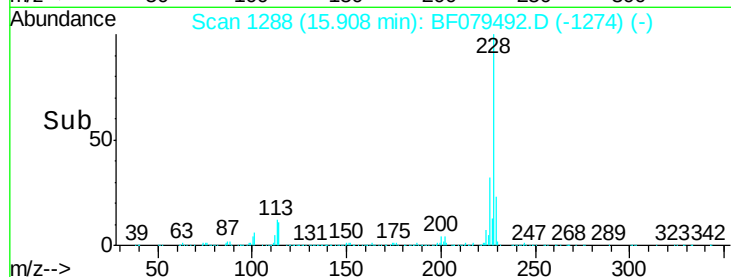
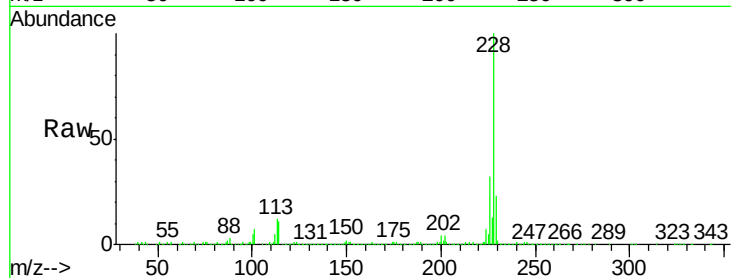
#82
Chrysene
Concen: 22.91 ng
RT: 15.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Instrument :
BNA_F
ClientSampled :
SB-30S

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.4
229	22.9	15.9	23.9

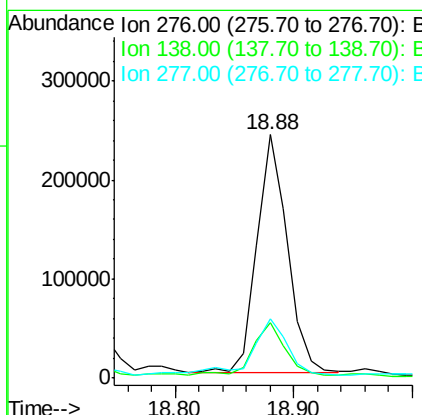
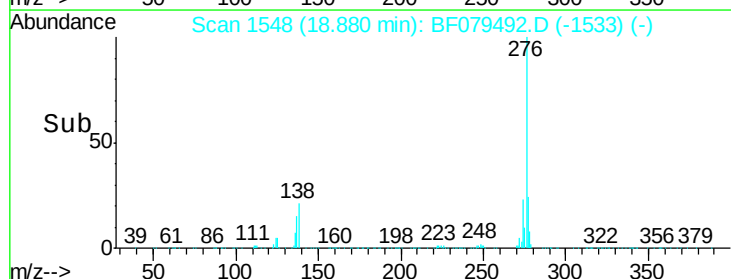
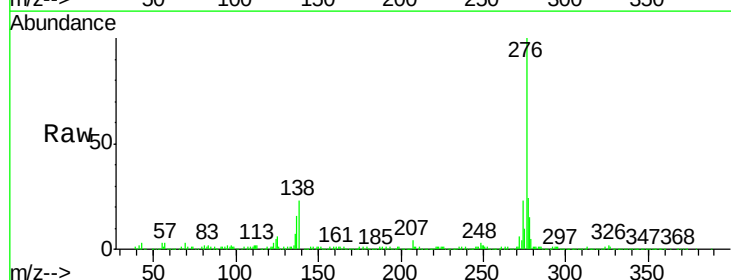
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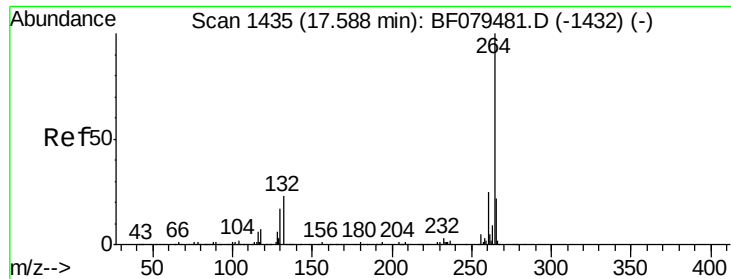
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#85
Indeno(1,2,3-cd)pyrene
Concen: 16.28 ng
RT: 18.88 min Scan# 1548
Delta R.T. -0.03 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	21.4	32.2
277	28.2	19.8	29.6





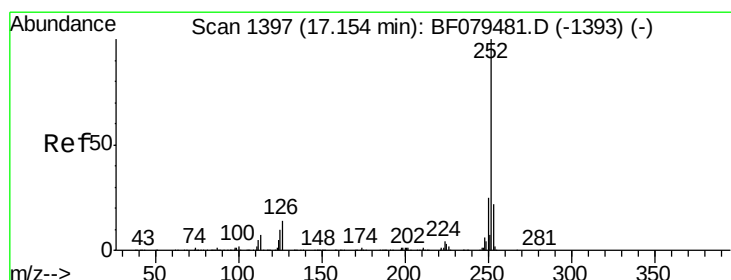
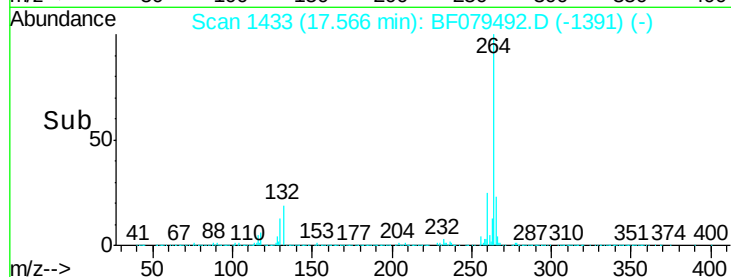
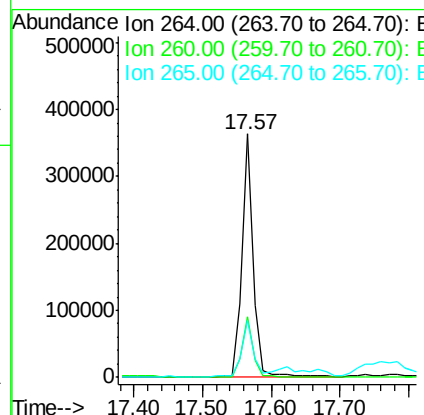
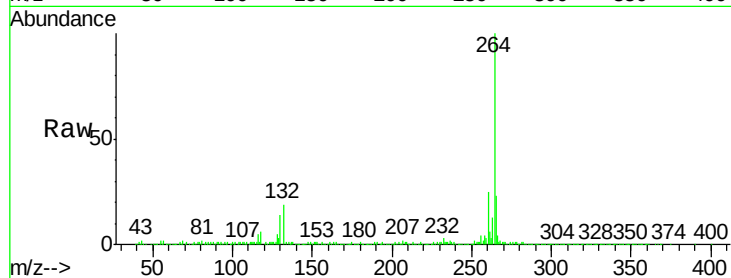
#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.57 min Scan# 1433
Delta R.T. -0.02 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Instrument :
BNA_F
ClientSampleId :
SB-30S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	24.9	19.8	29.8		
265	23.2	17.8	26.6		

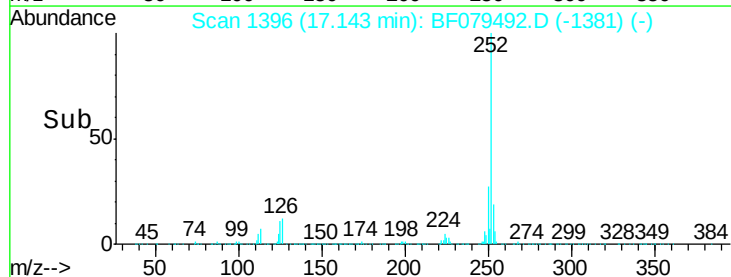
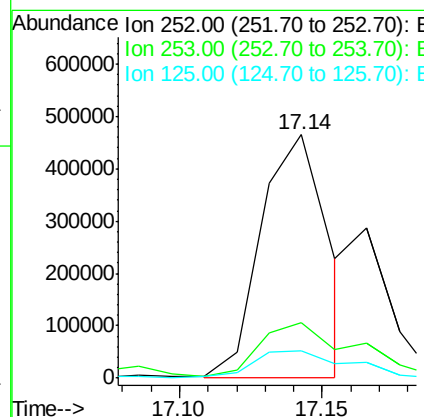
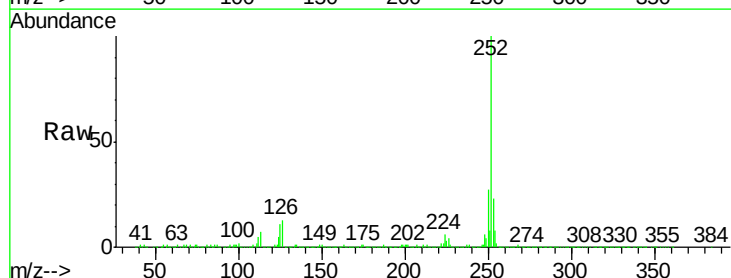
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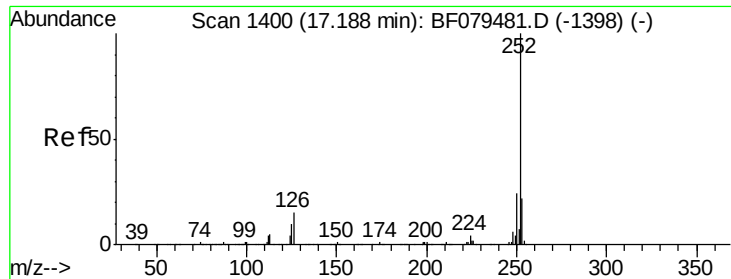
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#87
Benzo(b)fluoranthene
Concen: 31.58 ng m
RT: 17.14 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.9	17.6	26.4		
125	11.4	7.8	11.6		





#88

Benzo(k)fluoranthene

Concen: 12.45 ng

RT: 17.17 min Scan# 1398

Delta R.T. -0.02 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

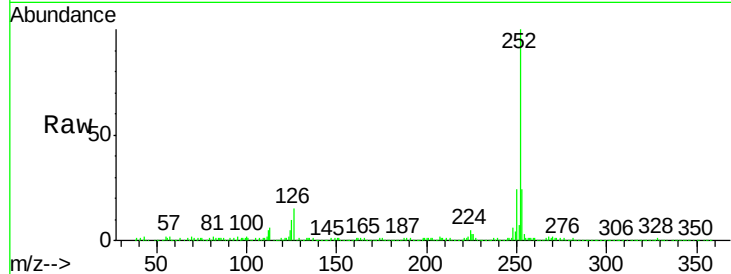
ClientSampleId :

SB-30S

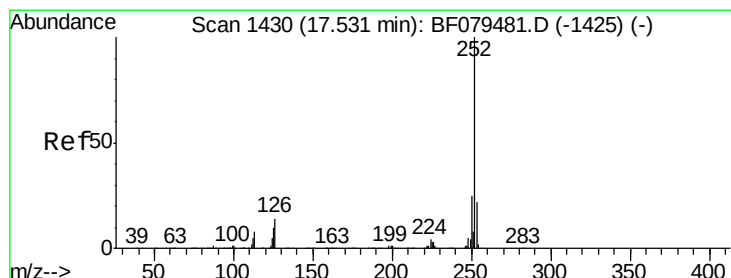
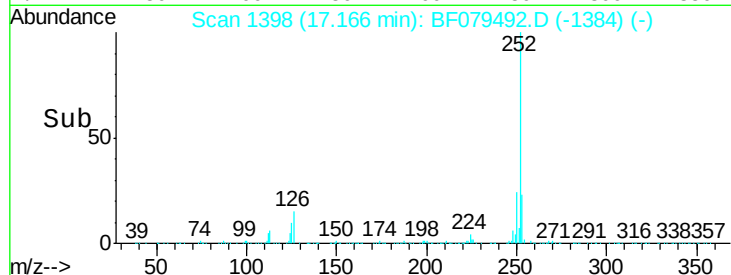
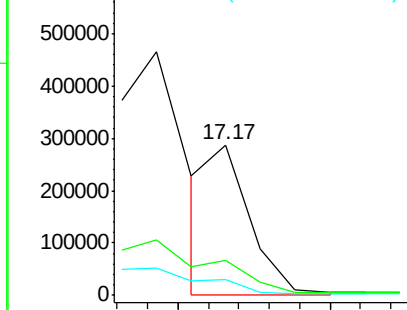
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	10.1	6.8	10.2

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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



#89

Benzo(a)pyrene

Concen: 27.91 ng

RT: 17.51 min Scan# 1428

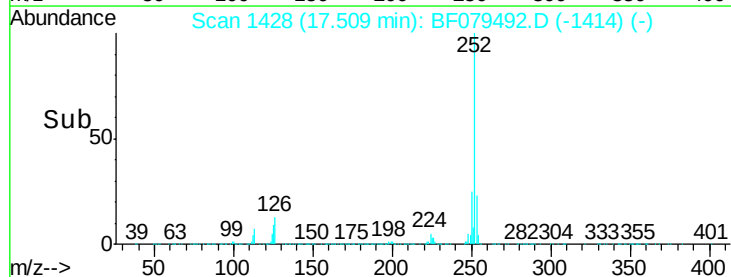
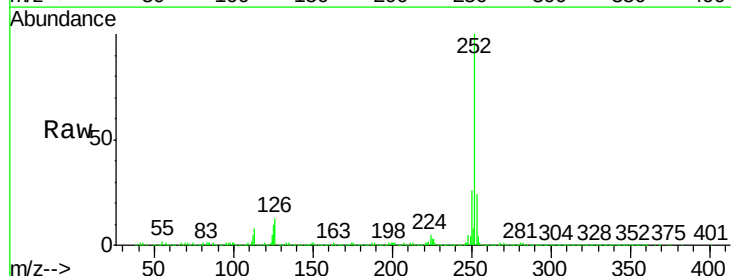
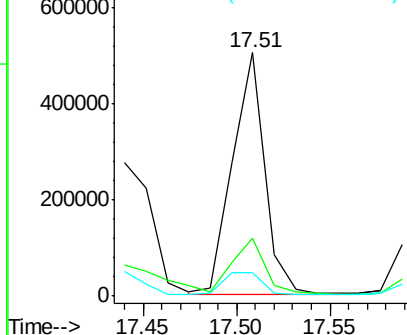
Delta R.T. -0.02 min

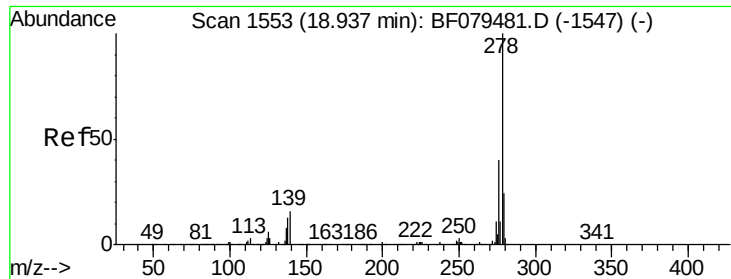
Lab File: BF079492.D

Acq: 26 May 2015 23:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	9.8	7.9	11.9

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





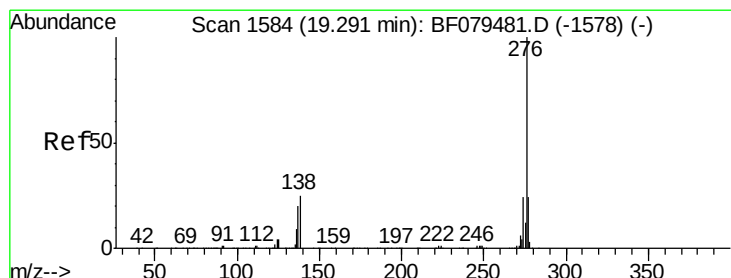
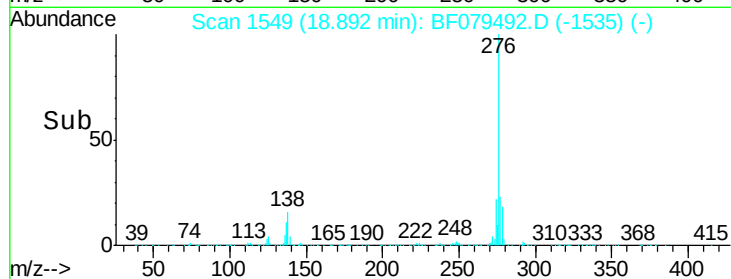
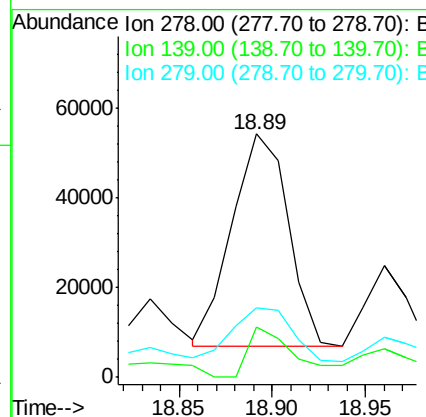
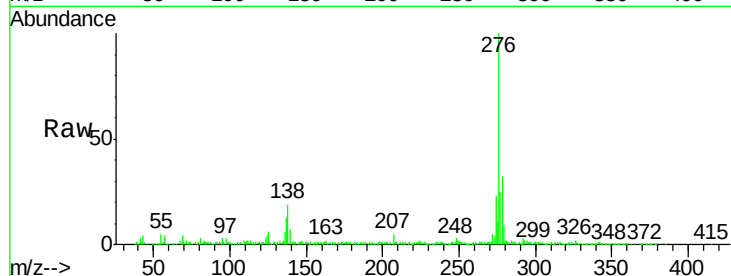
#90
Dibenzo(a,h)anthracene
Concen: 3.08 ng
RT: 18.89 min Scan# 1549
Delta R.T. -0.05 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Instrument :
BNA_F
ClientSampleId :
SB-30S

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.6	12.8	19.2#
279	28.4	19.1	28.7

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#91
Benzo(g,h,i)perylene
Concen: 18.10 ng
RT: 19.27 min Scan# 1582
Delta R.T. -0.02 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	23.0	20.1	30.1

