Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110716\
Data File : BF091060.D
Acq On : 7 Nov 2016 17:12
Operator : UM/SJ
Sample : H5539-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
V001-BF016-01

Manual Integrations APPROVED
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11/8/2016 4:31:57 PM

Quant Time: Nov 08 00:31:03 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 08 00:06:22 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	186129	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	696833	20.00	ng	-0.01
38) Acenaphthene-d10	9.71	164	399933	20.00	ng	0.00
63) Phenanthrene-d10	11.18	188	605200	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	425328	20.00	ng	0.00
86) Perylene-d12	15.20	264	369450	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1434956	127.33	ng	0.01
7) Phenol-d6	6.33	99	1980412	129.46	ng	0.00
23) Nitrobenzene-d5	7.24	82	1263828	98.94	ng	0.00
41) 2,4,6-Tribromophenol	10.50	330	468637	129.61	ng	-0.01
44) 2-Fluorobiphenyl	9.04	172	1775652	76.44	ng	-0.01
78) Terphenyl-d14	12.79	244	1896151	111.25	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.34	94	155448	9.18	ng	# 55
49) Dimethylphthalate	9.44	163	351788	13.41	ng	99
70) Phenanthrene	11.21	178	96791	3.01	ng	99
74) Fluoranthene	12.40	202	179312	5.37	ng	95
77) Pyrene	12.63	202	139730	5.02	ng	98
80) Benzo(a)anthracene	13.81	228	61014m	2.53	ng	
82) Chrysene	13.85	228	57054m	2.40	ng	
87) Benzo(b)fluoranthene	14.82	252	62881m	2.51	ng	

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

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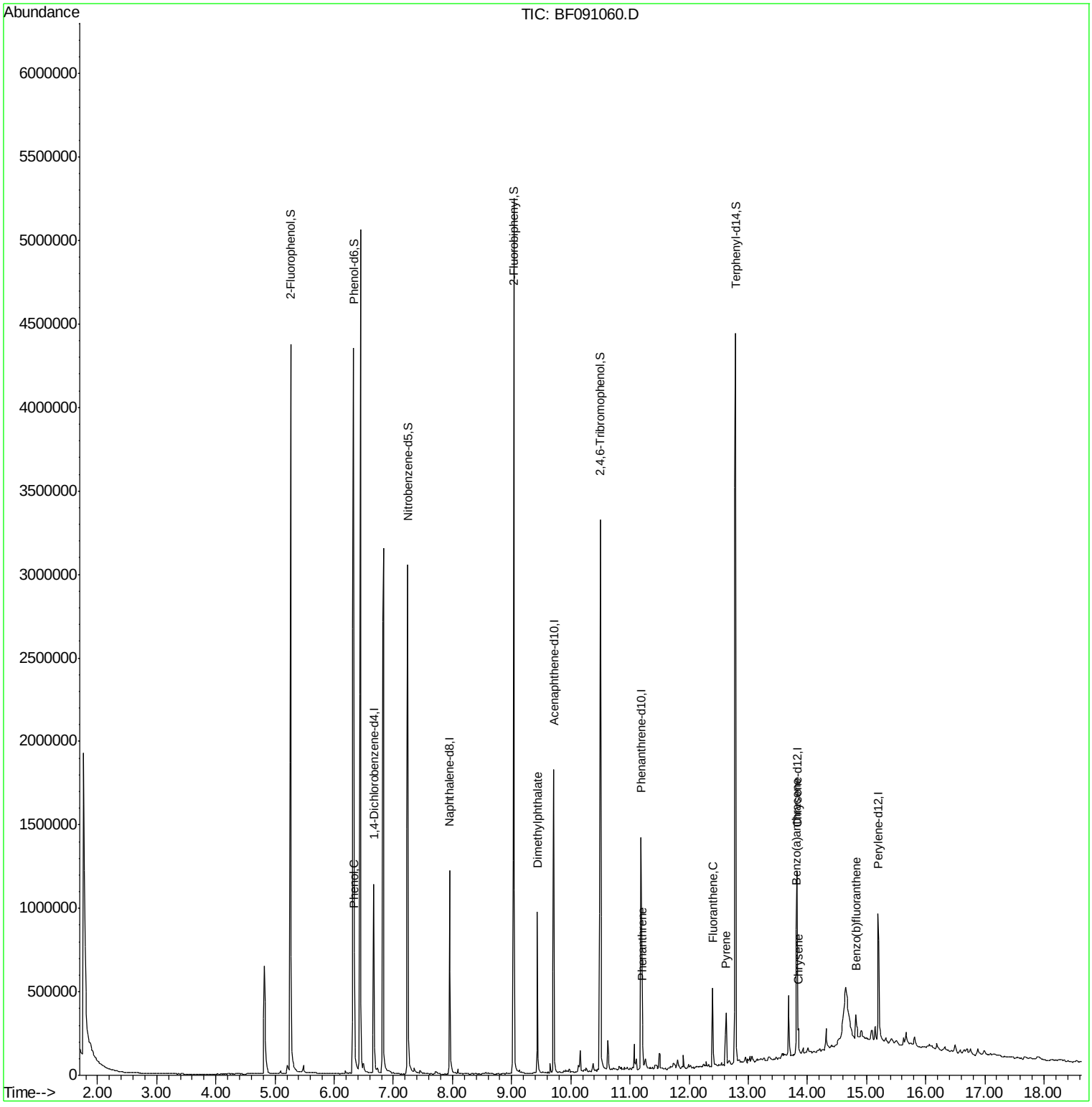
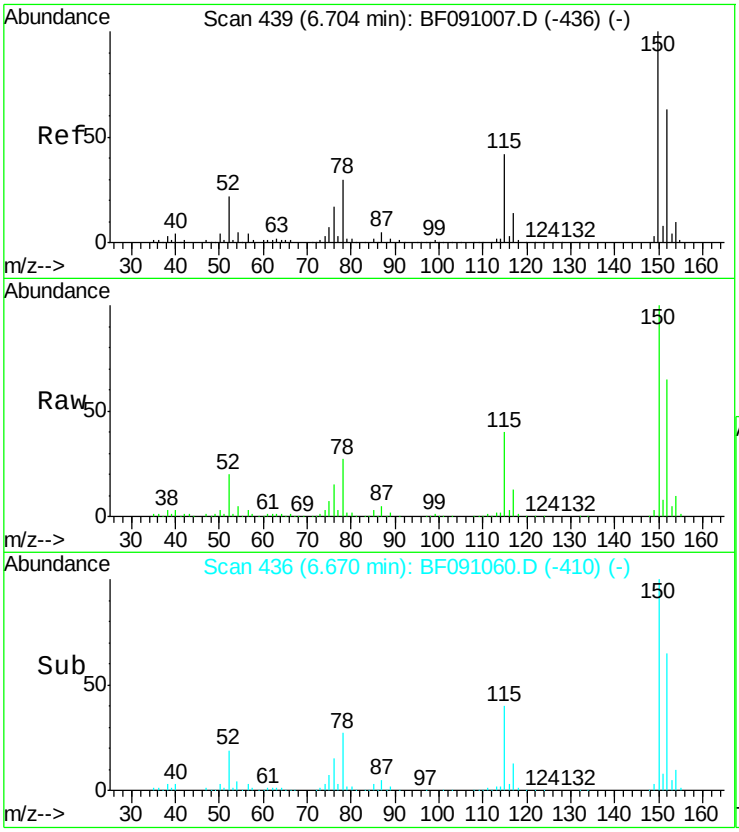
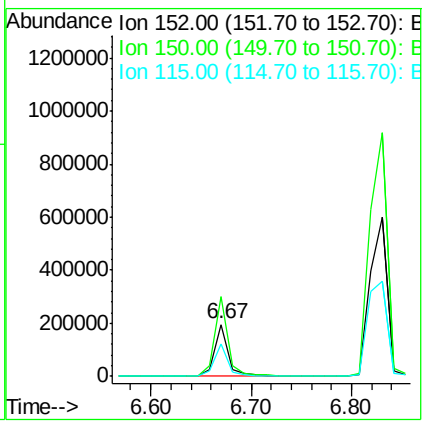




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 436
Delta R.T. 0.00 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:152 Resp: 186129

Ion	Ratio	Lower	Upper
152	100		
150	153.4	126.8	190.2
115	61.9	53.3	79.9



Instrument :
BNA_F
ClientSampleId :
V001-BF016-01

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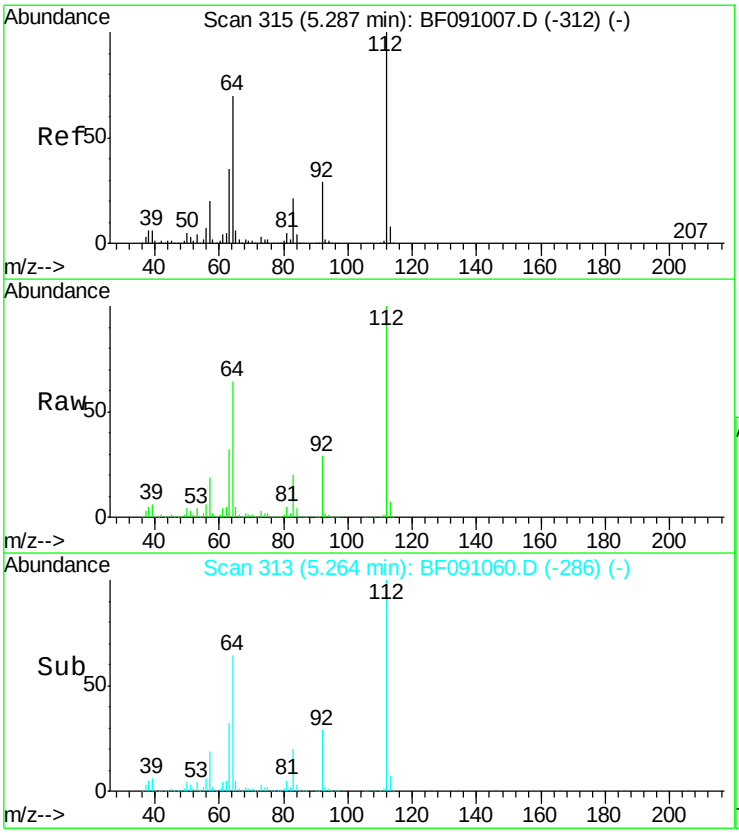
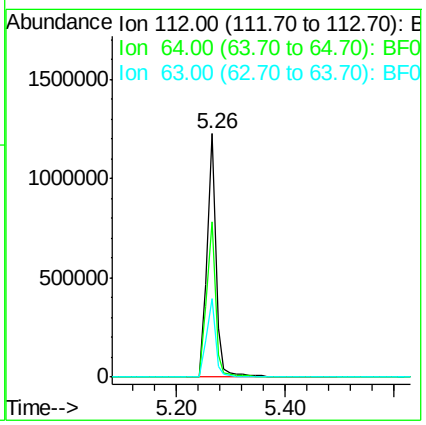
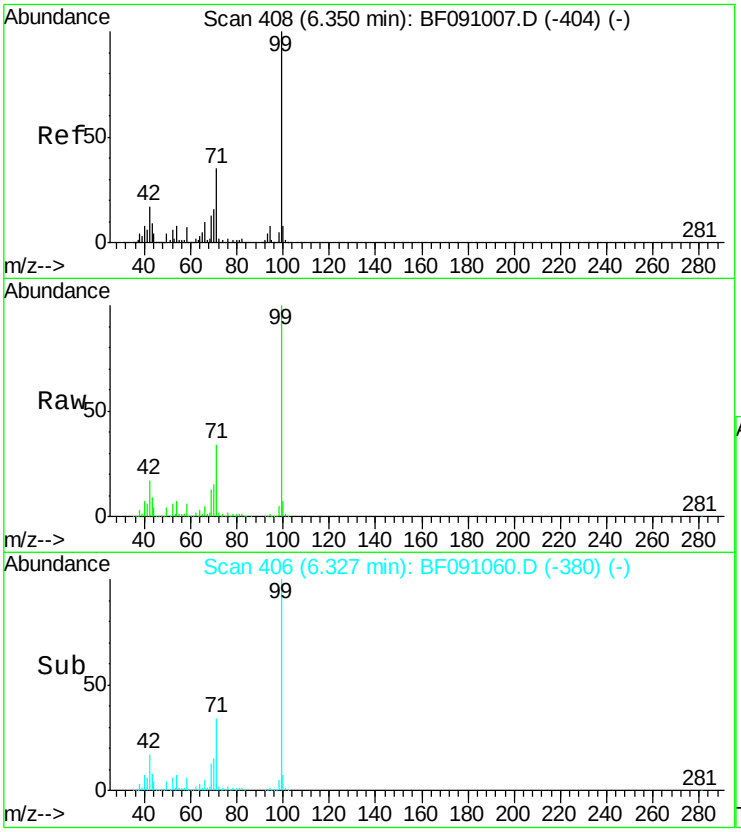


#5
2-Fluorophenol
Concen: 127.33 ng
RT: 5.26 min Scan# 313
Delta R.T. 0.01 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:112 Resp: 1434956

Ion	Ratio	Lower	Upper
112	100		
64	63.6	55.8	83.6
63	32.1	28.0	42.0

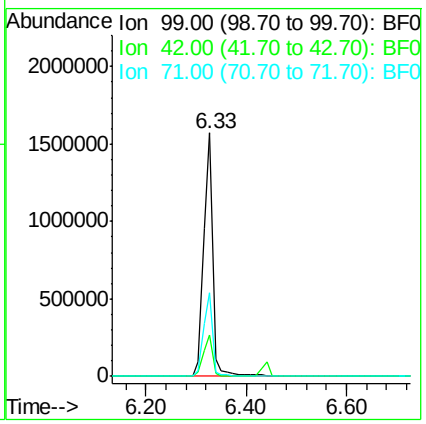




#7
Phenol-d6
Concen: 129.46 ng
RT: 6.33 min Scan# 406
Delta R.T. 0.00 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion: 99 Resp: 1980412

Ion	Ratio	Lower	Upper
99	100		
42	16.8	13.9	20.9
71	34.3	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
V001-BF016-01

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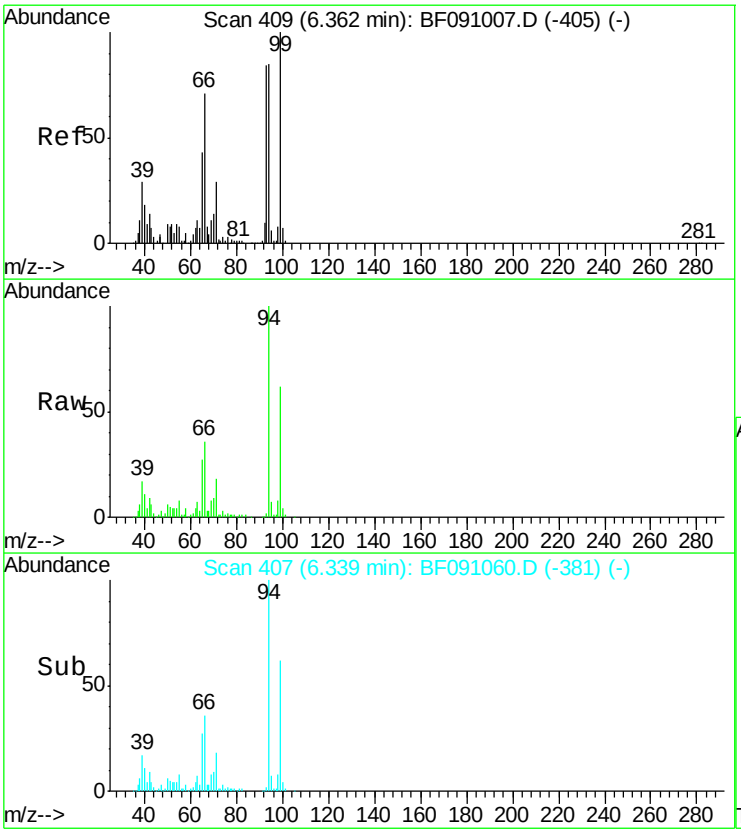
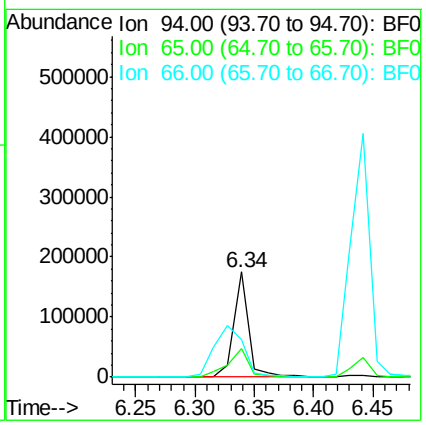
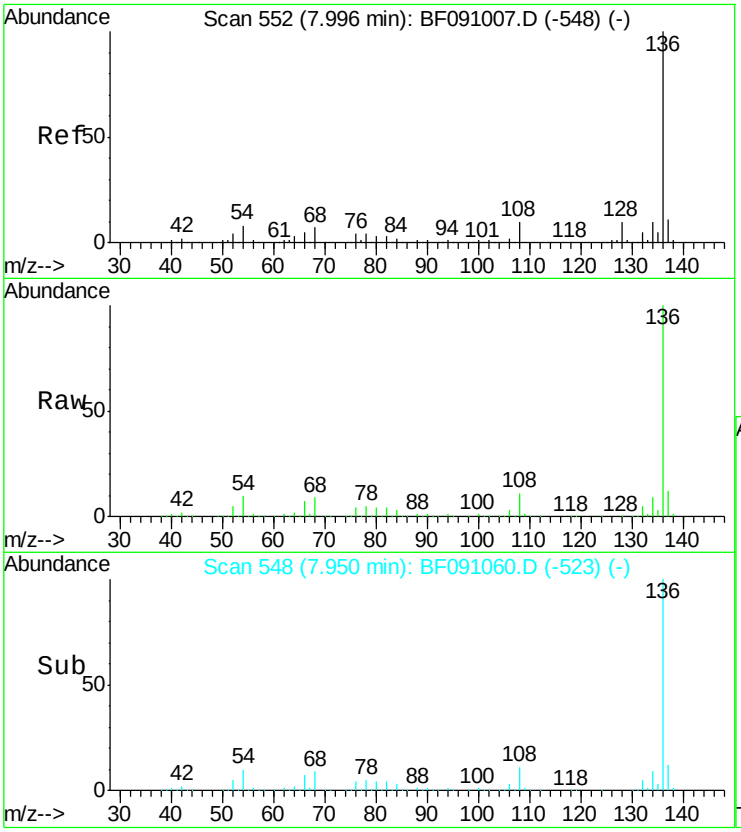


#10
Phenol
Concen: 9.18 ng
RT: 6.34 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion: 94 Resp: 155448

Ion	Ratio	Lower	Upper
94	100		
65	26.8	30.4	70.4#
66	35.9	62.9	102.9#

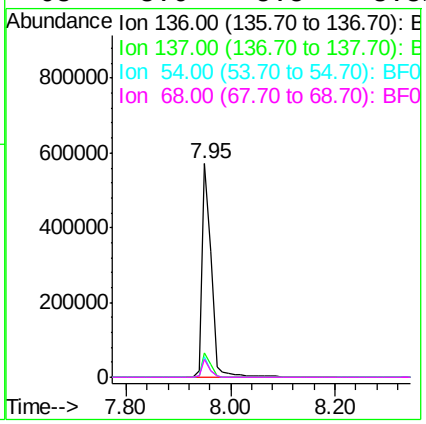




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.95 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:136 Resp: 696833

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	9.8	6.2	9.2#
68	8.6	5.5	8.3#



Instrument :
BNA_F
ClientSampleId :
V001-BF016-01

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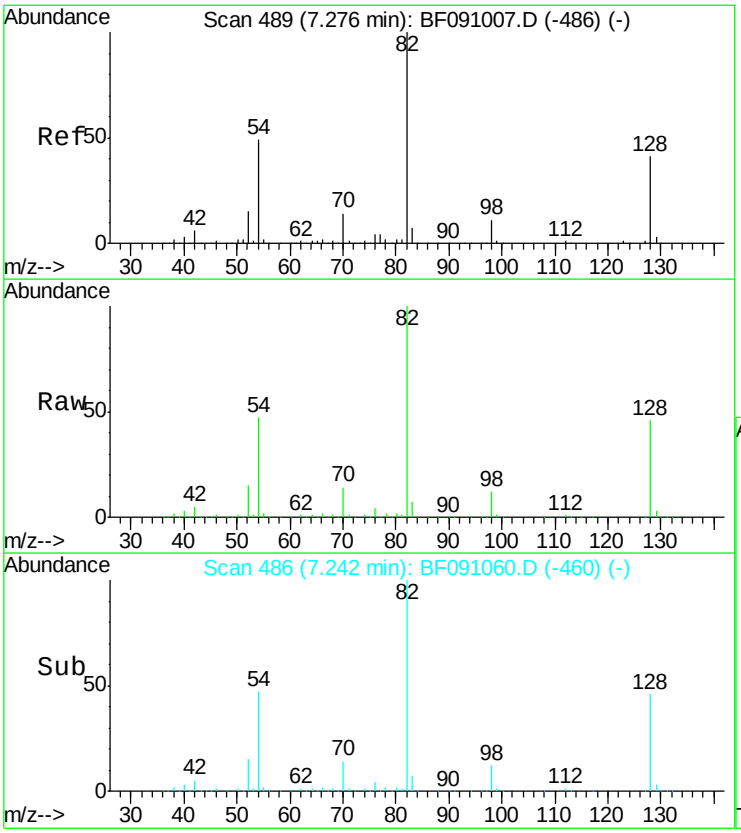
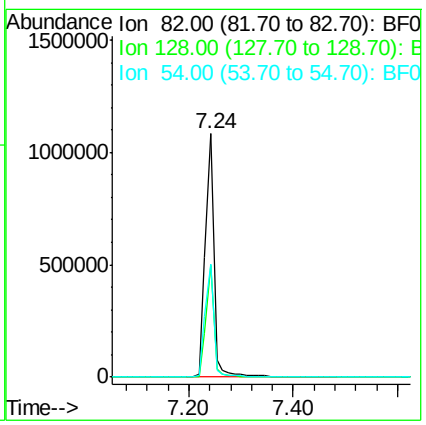
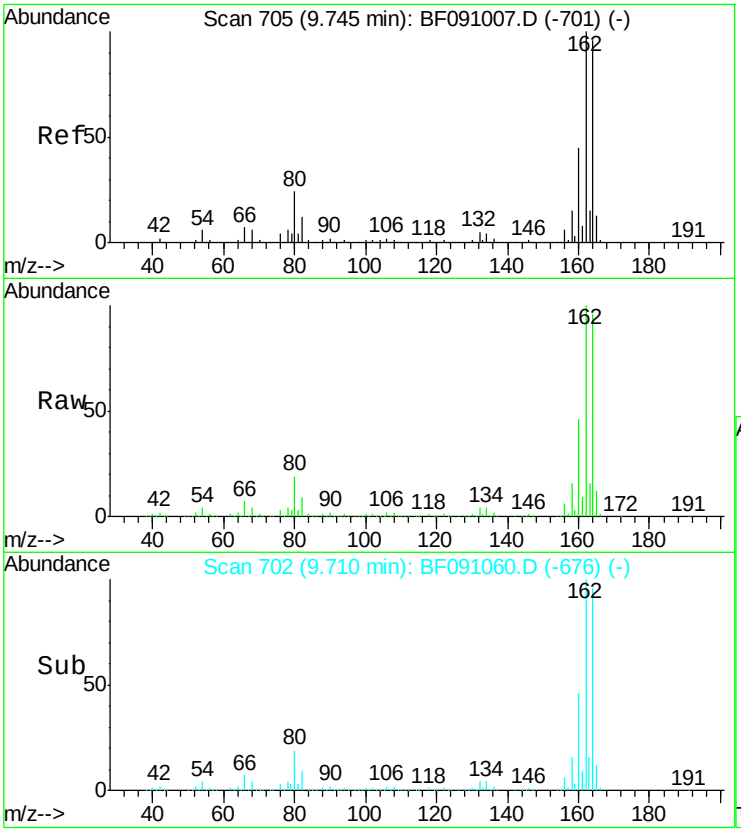


#23
Nitrobenzene-d5
Concen: 98.94 ng
RT: 7.24 min Scan# 486
Delta R.T. 0.00 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion: 82 Resp: 1263828

Ion	Ratio	Lower	Upper
82	100		
128	45.9	32.4	48.6
54	46.6	39.2	58.8

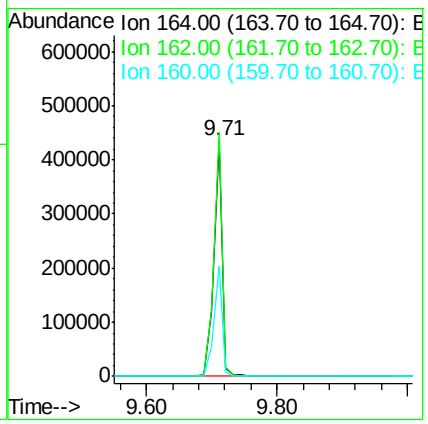




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 702
Delta R.T. 0.00 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:164 Resp: 399933

Ion	Ratio	Lower	Upper
164	100		
162	103.7	83.6	125.4
160	47.3	37.9	56.9



Instrument :
BNA_F
ClientSampleId :
V001-BF016-01

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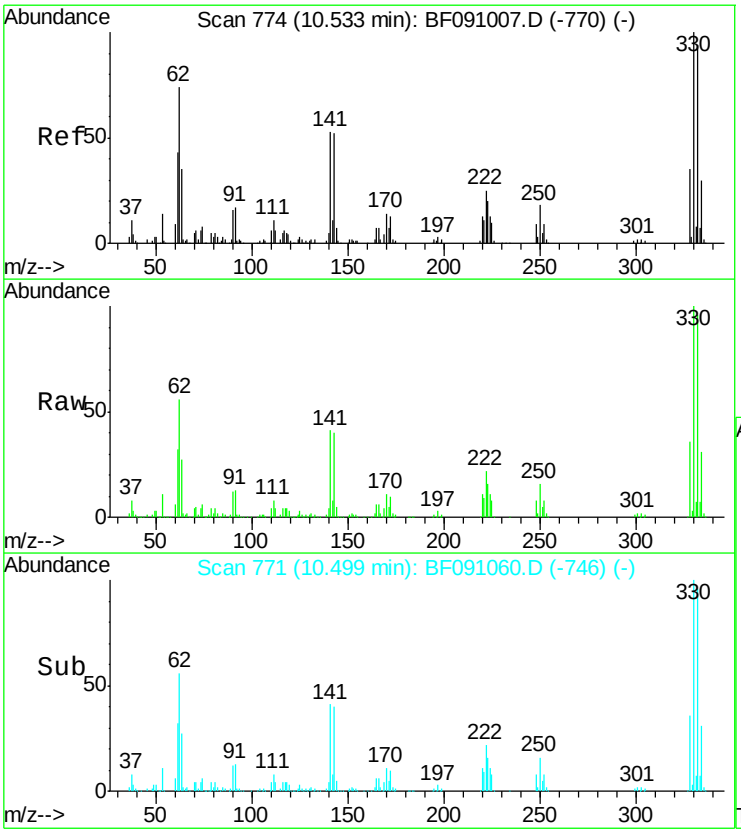
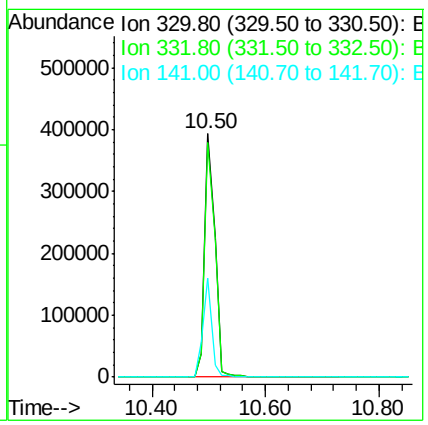
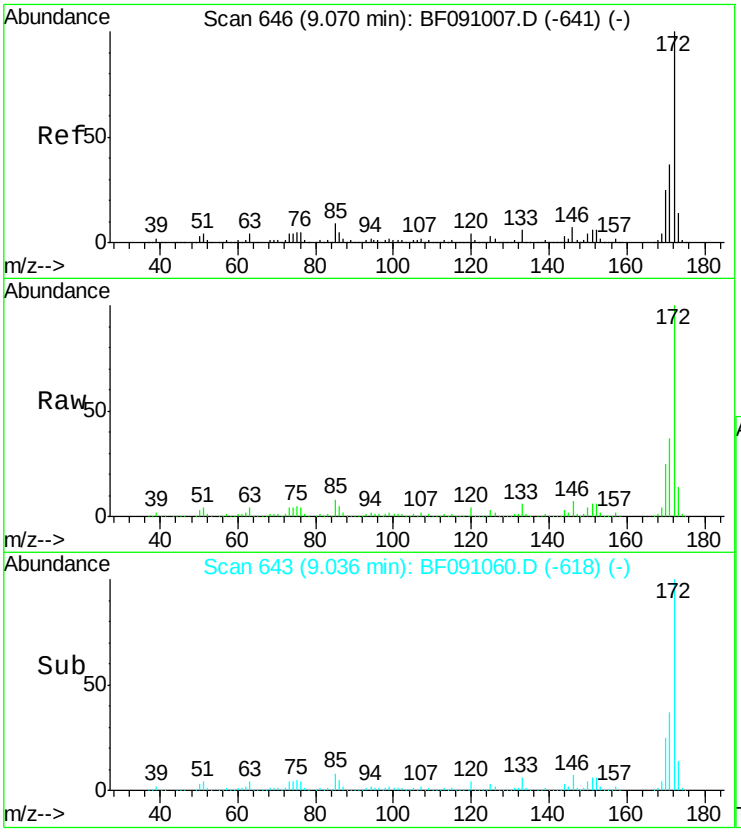


#41
2,4,6-Tribromophenol
Concen: 129.61 ng
RT: 10.50 min Scan# 771
Delta R.T. -0.01 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:330 Resp: 468637

Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.9	113.9
141	36.0	36.1	54.1#

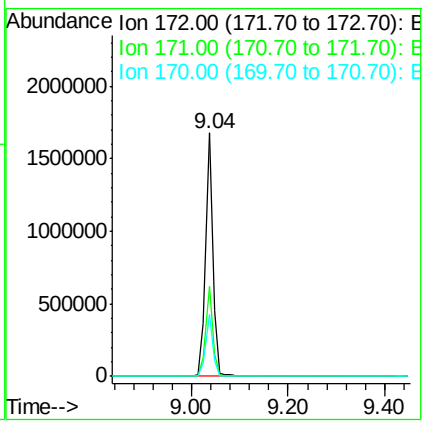




#44
2-Fluorobiphenyl
Concen: 76.44 ng
RT: 9.04 min Scan# 643
Delta R.T. -0.01 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:172 Resp: 1775652

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.8	44.6
170	25.3	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
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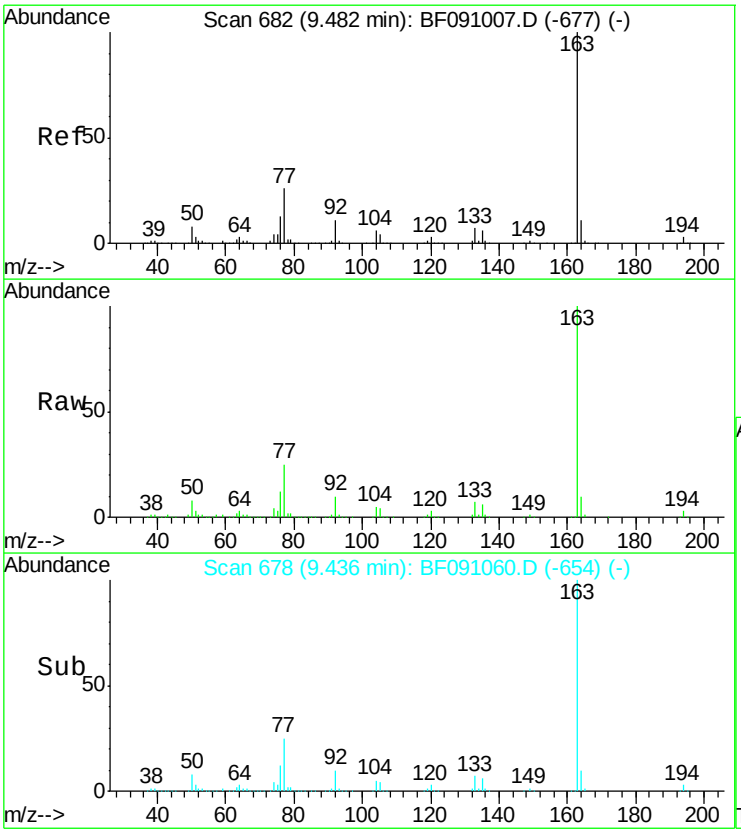
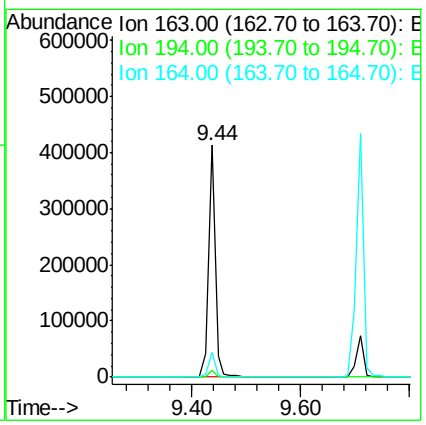
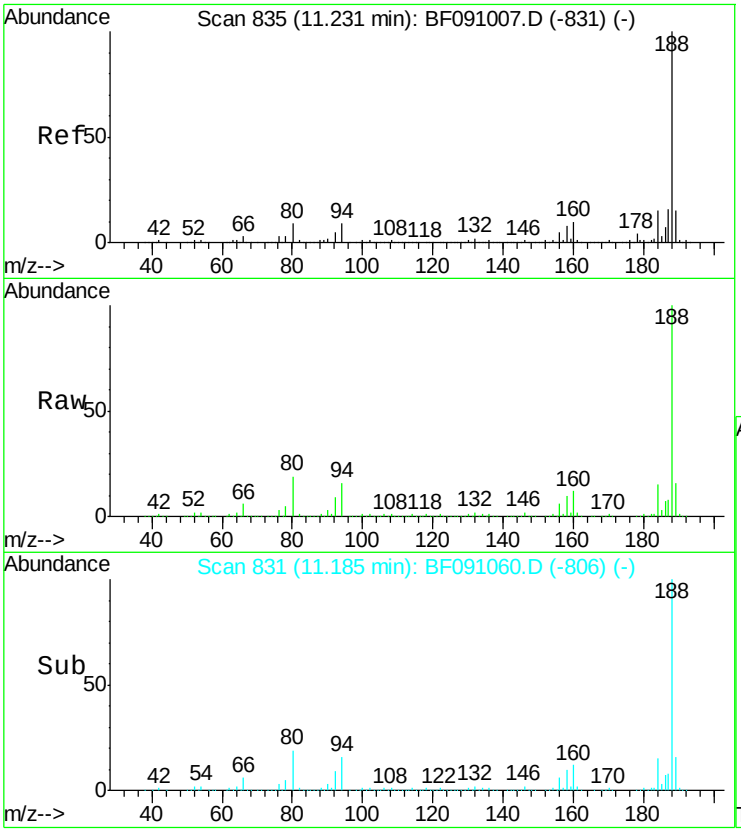


#49
Dimethylphthalate
Concen: 13.41 ng
RT: 9.44 min Scan# 678
Delta R.T. -0.02 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:163 Resp: 351788

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	10.5	8.7	13.1

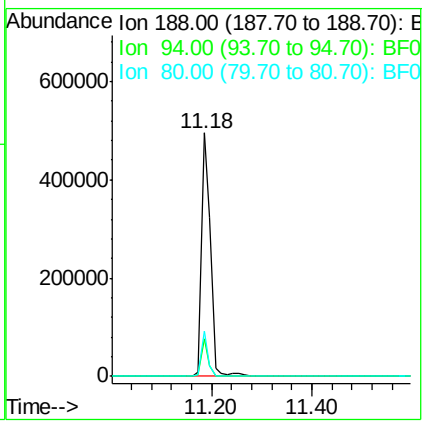




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.18 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:188 Resp: 605200

Ion	Ratio	Lower	Upper
188	100		
94	15.7	7.0	10.4#
80	18.5	7.5	11.3#



Instrument :
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ClientSampleId :
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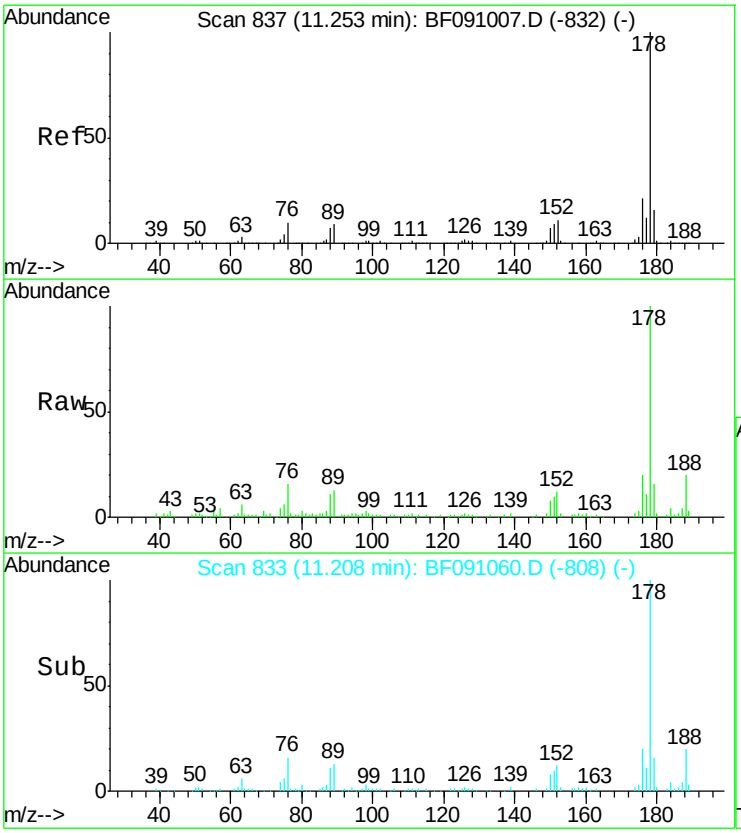
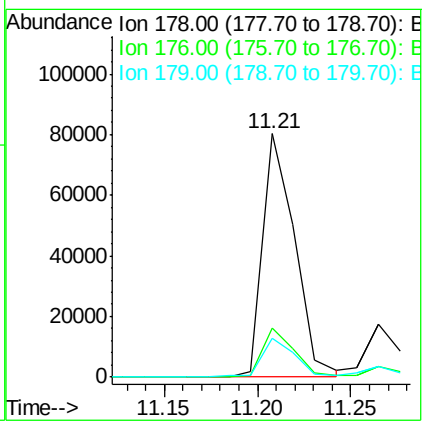
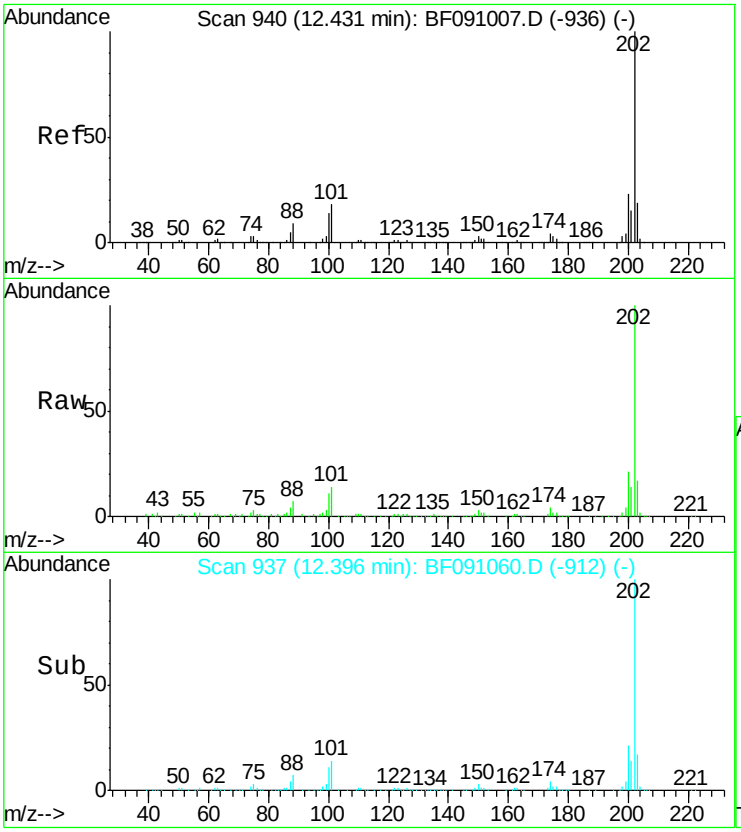


#70
Phenanthrene
Concen: 3.01 ng
RT: 11.21 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:178 Resp: 96791

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.6	25.0
179	16.1	12.9	19.3

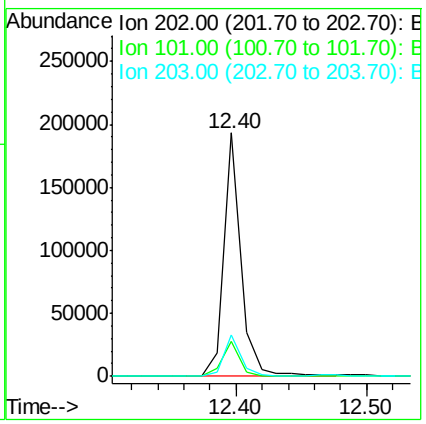




#74
Fluoranthene
Concen: 5.37 ng
RT: 12.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:202 Resp: 179312

Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	37.6
203	17.1	0.0	38.6



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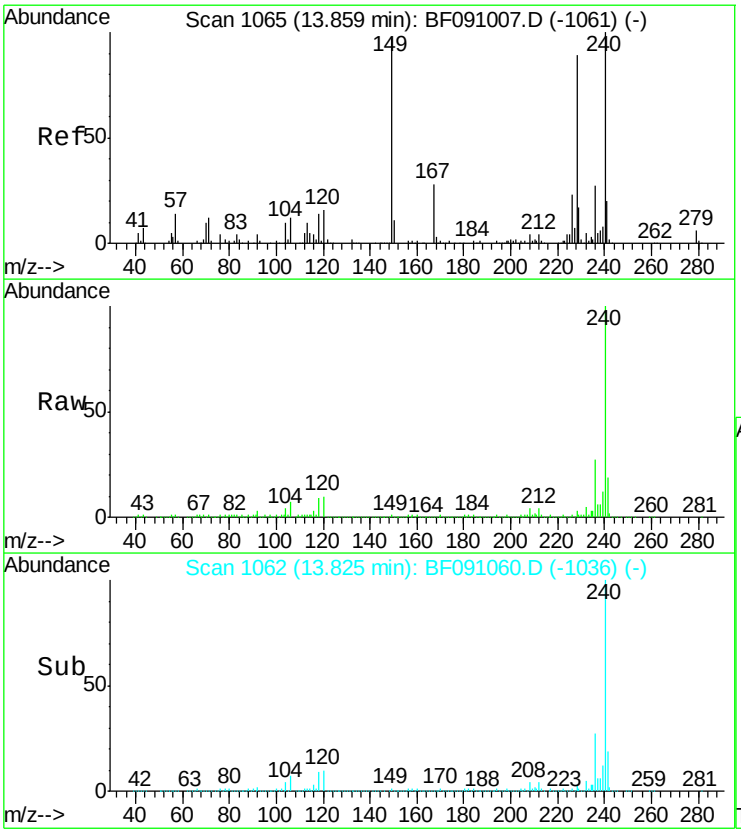
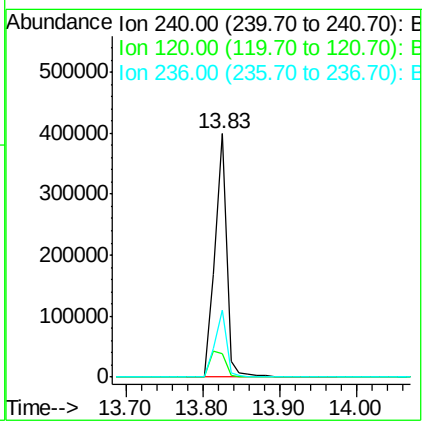
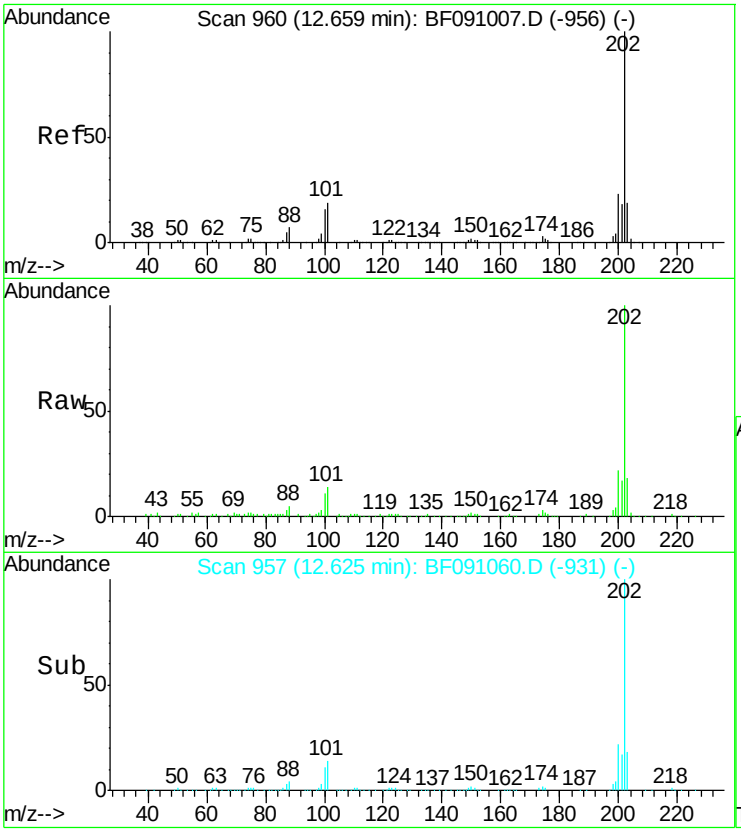


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.83 min Scan# 1062
Delta R.T. 0.00 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:240 Resp: 425328

Ion	Ratio	Lower	Upper
240	100		
120	9.9	12.9	19.3#
236	27.4	21.9	32.9

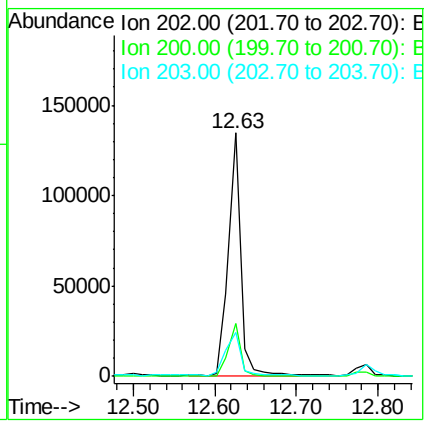




#77
Pyrene
Concen: 5.02 ng
RT: 12.63 min Scan# 957
Delta R.T. 0.00 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:202 Resp: 139730

Ion	Ratio	Lower	Upper
202	100		
200	21.8	18.4	27.6
203	18.0	15.0	22.6



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V001-BF016-01

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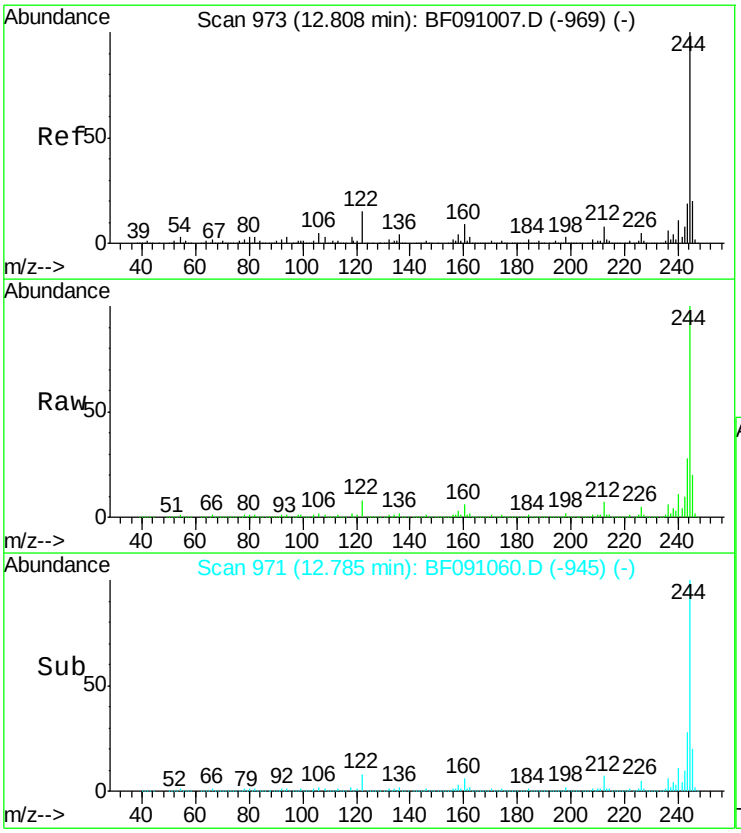
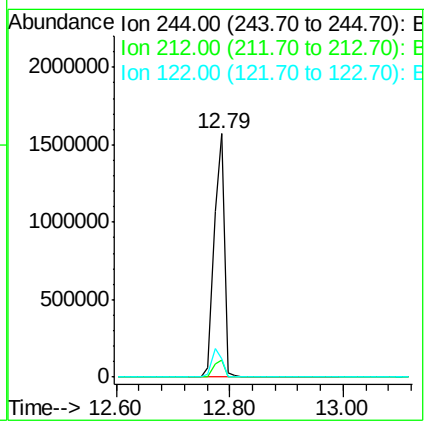
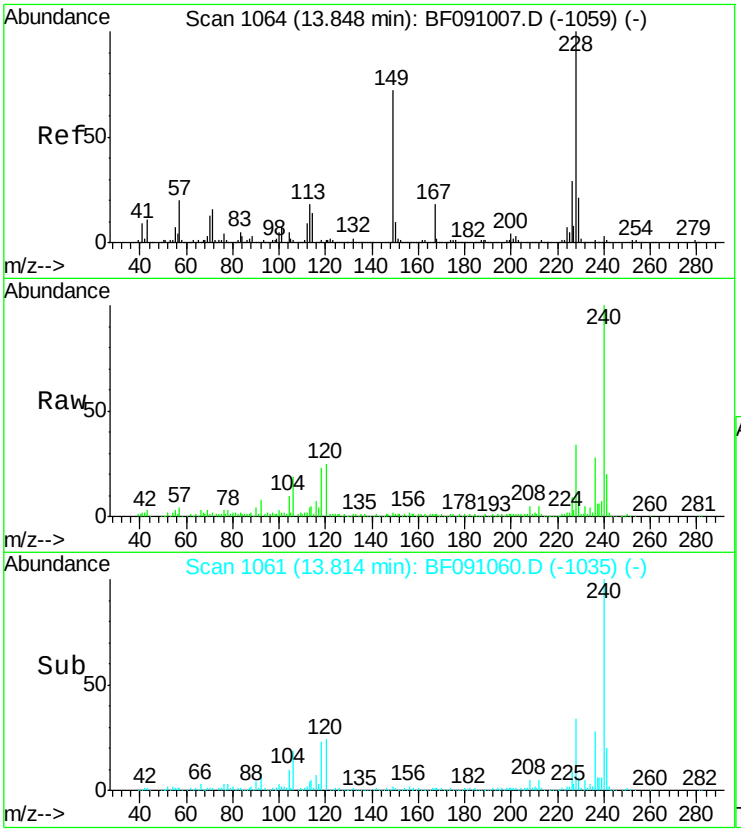


#78
Terphenyl-d14
Concen: 111.25 ng
RT: 12.79 min Scan# 971
Delta R.T. 0.00 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:244 Resp: 1896151

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.4	9.6
122	7.6	12.3	18.5#

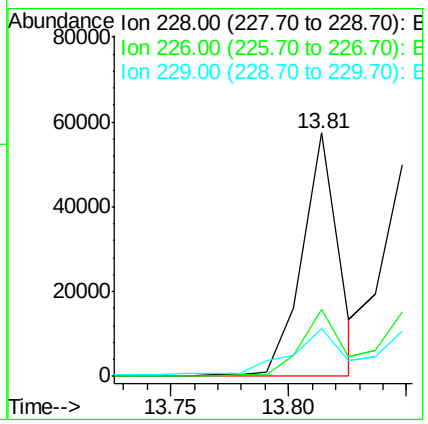




#80
Benzo(a)anthracene
Concen: 2.53 ng m
RT: 13.81 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

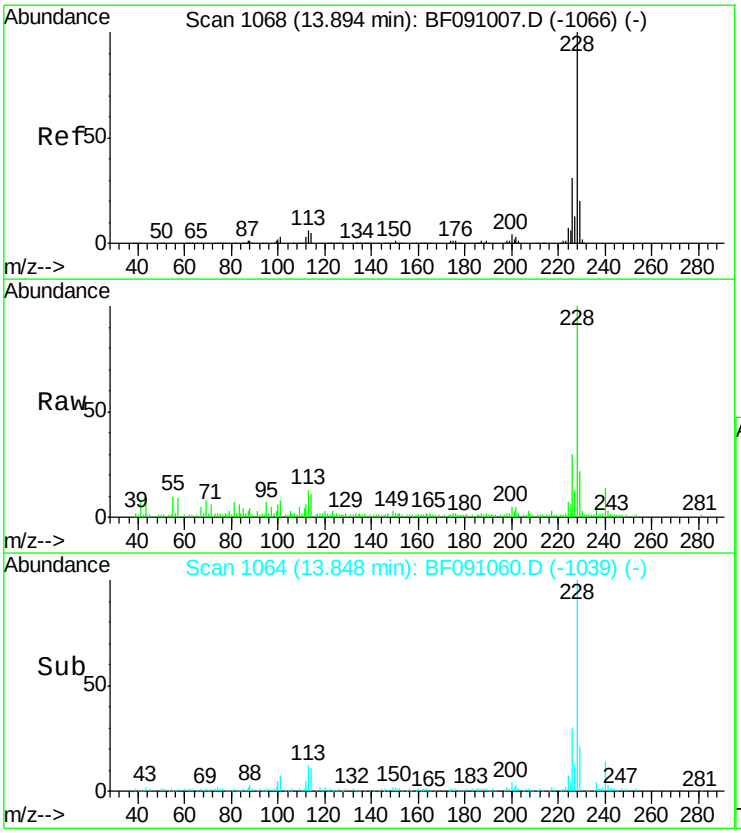
Tgt Ion:228 Resp: 61014

Ion	Ratio	Lower	Upper
228	100		
226	27.4	23.0	34.6
229	19.7	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
V001-BF016-01

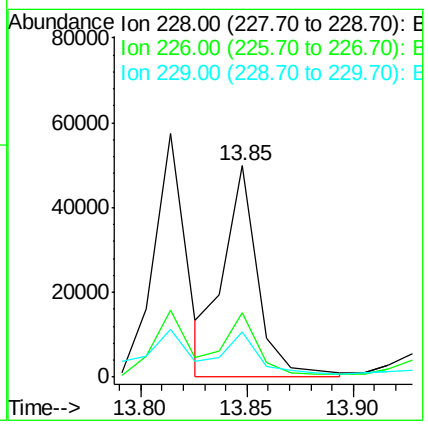
Manual Integrations APPROVED
sohil
11/8/2016 4:31:57 PM

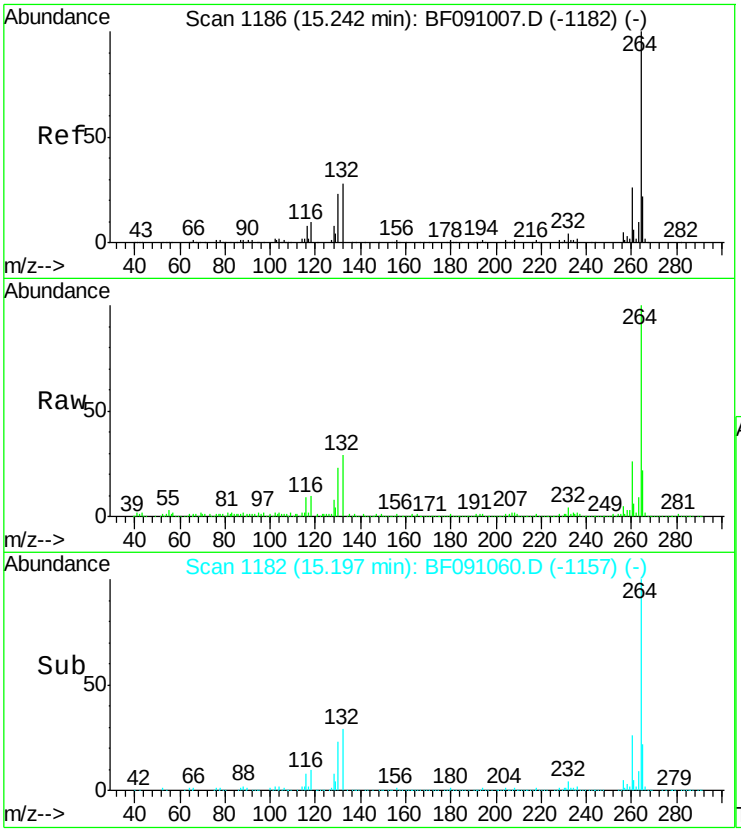


#82
Chrysene
Concen: 2.40 ng m
RT: 13.85 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:228 Resp: 57054

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	21.7	15.9	23.9





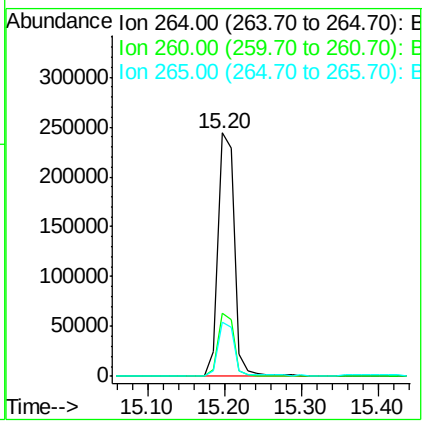
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.20 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

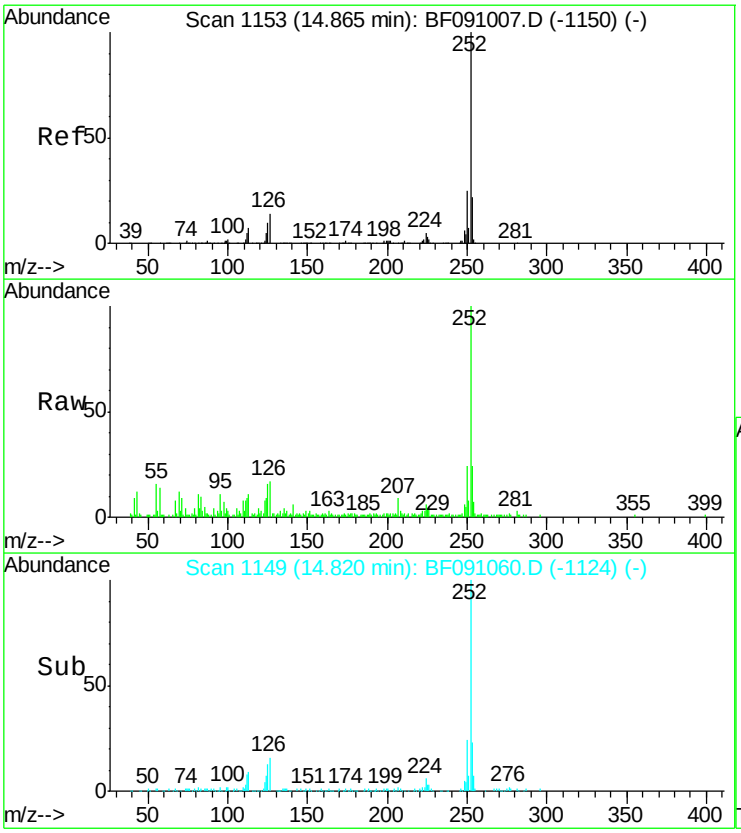
Tgt Ion:264 Resp: 369450

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.6	30.8
265	22.1	17.8	26.8

Instrument :
BNA_F
ClientSampleId :
V001-BF016-01

Manual Integrations APPROVED
sohil
11/8/2016 4:31:57 PM





#87
Benzo(b)fluoranthene
Concen: 2.51 ng m
RT: 14.82 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BF091060.D
Acq: 7 Nov 2016 17:12

Tgt Ion:252 Resp: 62881

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	15.9	8.3	12.5#