Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071417\
Data File : BF096806.D
Acq On : 15 Jul 2017 7:49
Operator : SJ/JU
Sample : I4172-14 20X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

Manual Integrations APPROVED
mohammad
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Quant Time: Jul 17 01:16:35 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 13 14:49:34 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	75135	20.00	ng		-0.01
21) Naphthalene-d8	7.90	136	281665	20.00	ng		-0.02
38) Acenaphthene-d10	9.66	164	101927	20.00	ng		-0.01
63) Phenanthrene-d10	11.13	188	167992	20.00	ng		-0.01
75) Chrysene-d12	13.76	240	191664	20.00	ng		-0.02
86) Perylene-d12	15.14	264	137225	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.23	112	42464	8.50	ng		0.00
7) Phenol-d6	6.27	99	46893	7.82	ng		-0.01
23) Nitrobenzene-d5	7.18	82	23313	5.13	ng		-0.02
41) 2,4,6-Tribromophenol	10.44	330	6779	7.79	ng		-0.02
44) 2-Fluorobiphenyl	8.98	172	41530	6.44	ng		-0.02
78) Terphenyl-d14	12.71	244	37511	3.39	ng		-0.02
Target Compounds							Qvalue
70) Phenanthrene	11.16	178	91214	9.986	ng		98
74) Fluoranthene	12.34	202	121476	13.894	ng		99
77) Pyrene	12.56	202	109762	6.310	ng		100
80) Benzo(a)anthracene	13.75	228	39245	3.286	ng		99
82) Chrysene	13.79	228	39875	3.392	ng		95
85) Indeno(1,2,3-cd)pyrene	16.43	276	11376	4.335	ng		96
87) Benzo(b)fluoranthene	14.76	252	37223m	4.498	ng		
89) Benzo(a)pyrene	15.08	252	24903	3.281	ng	#	93

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

Quantitation Report (QT Reviewed)

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Misc :
ALS Vial : 27 Sample Multiplier: 1

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Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

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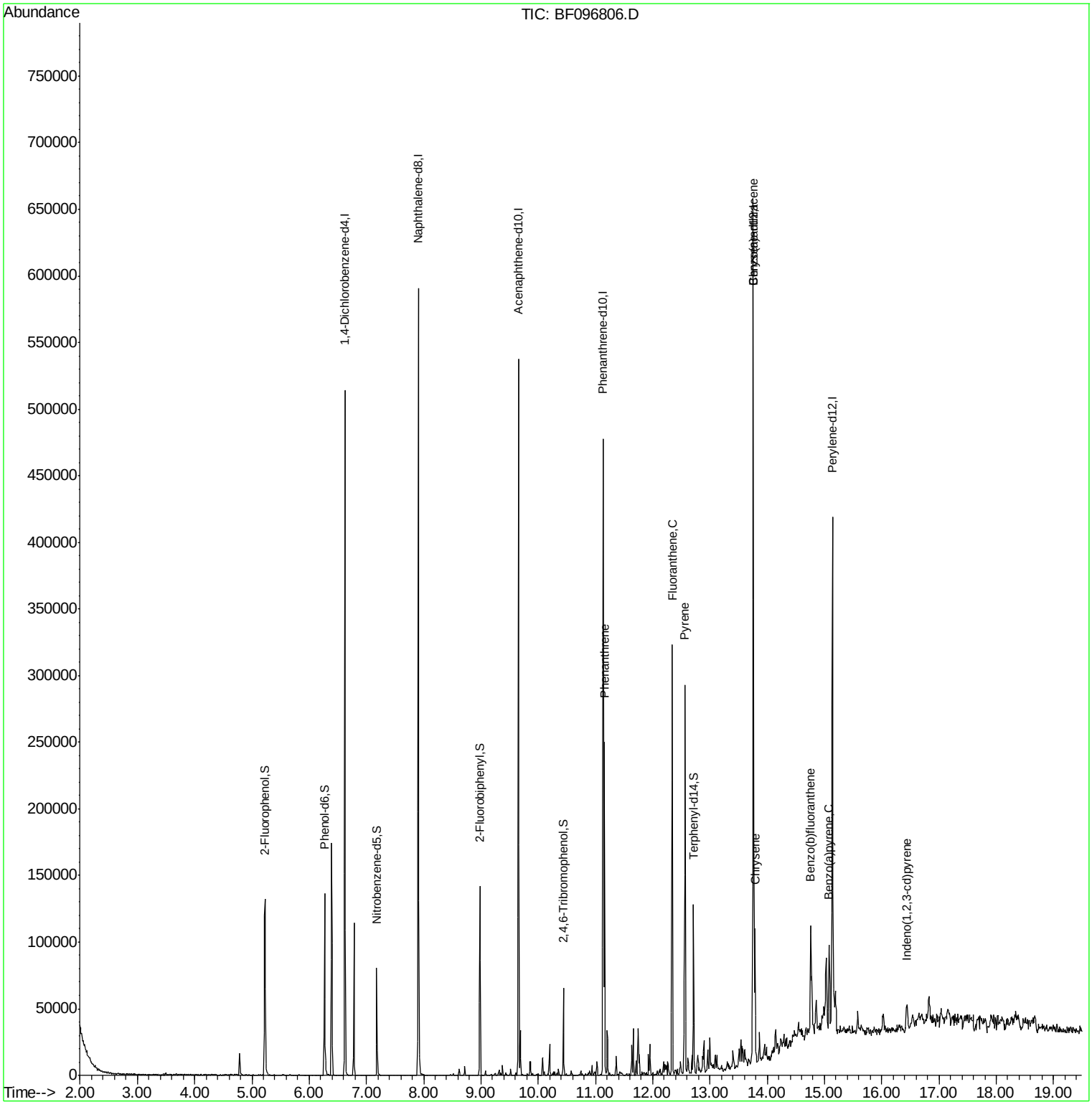
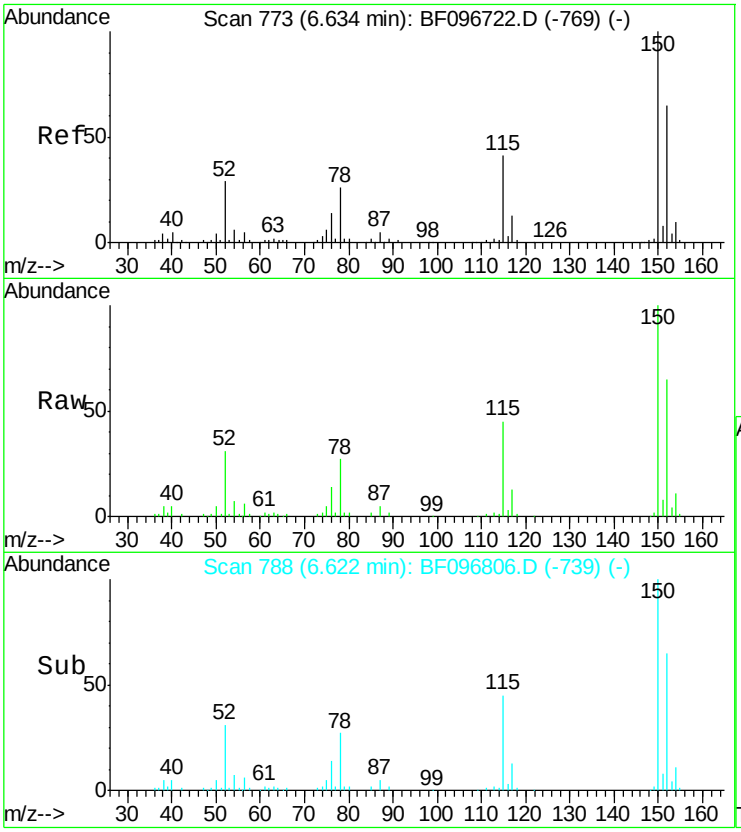
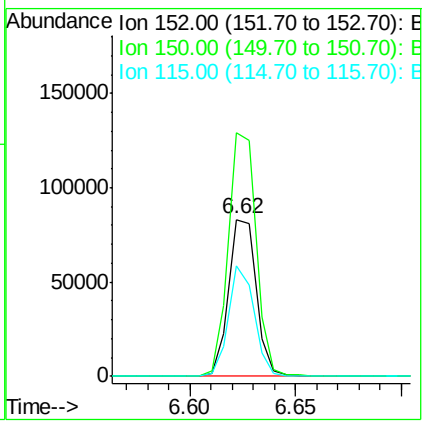




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.62 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:152 Resp: 75135

Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	70.5	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

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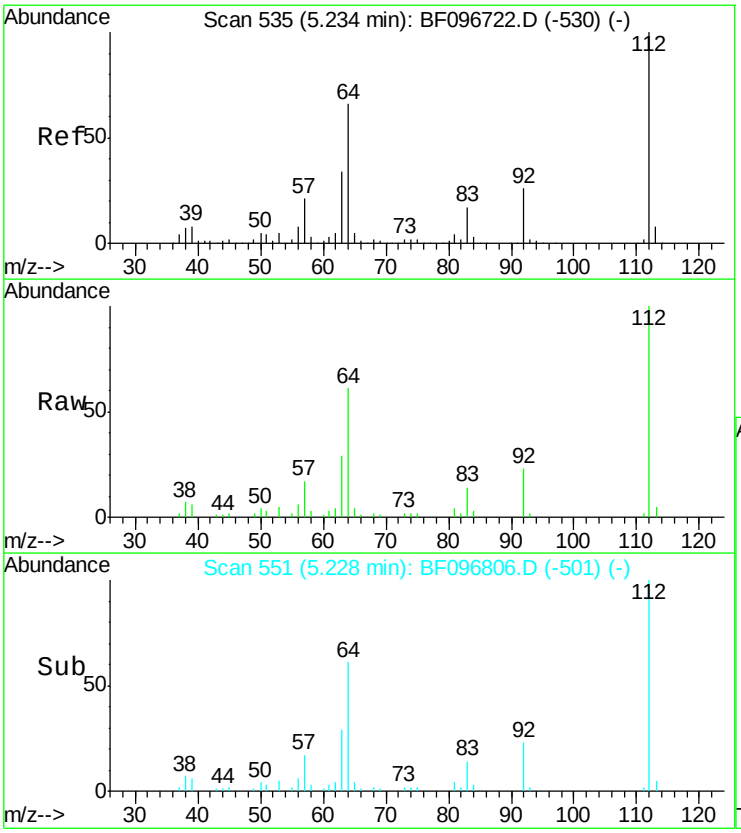
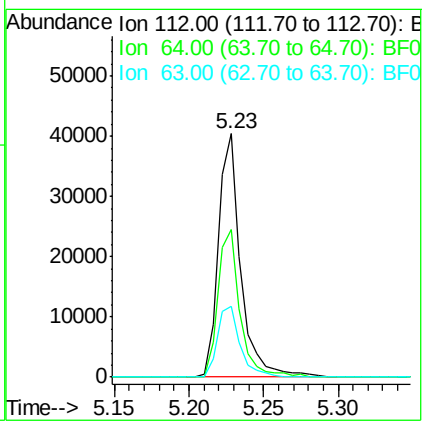
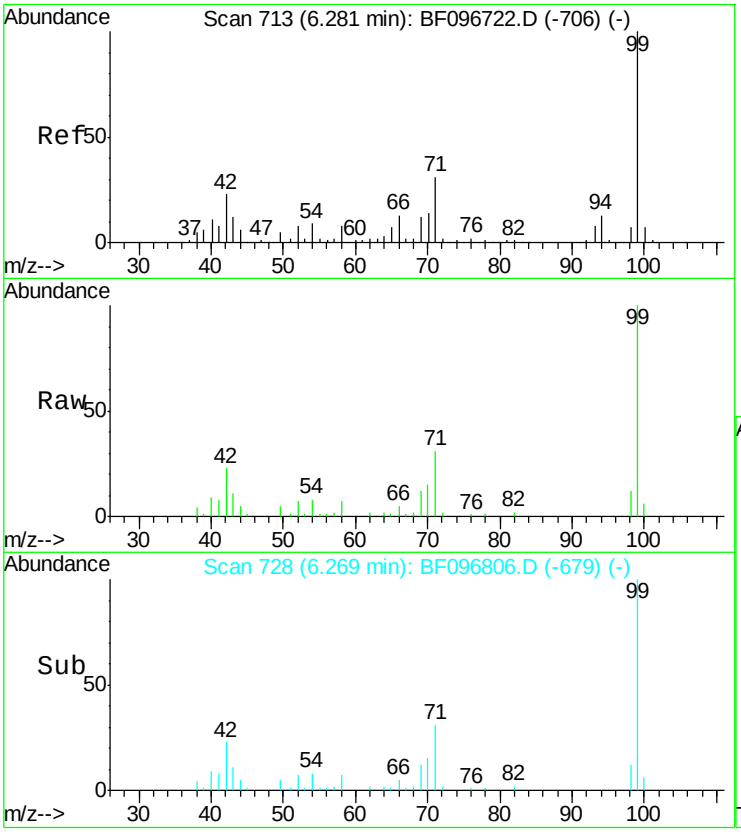


#5
2-Fluorophenol
Concen: 8.498 ng
RT: 5.23 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:112 Resp: 42464

Ion	Ratio	Lower	Upper
112	100		
64	60.9	46.0	69.0
63	28.9	23.4	35.0

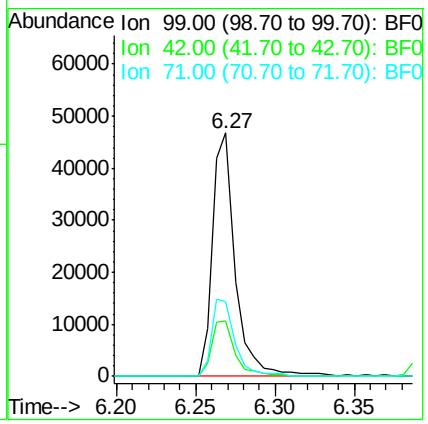




#7
Phenol-d6
Concen: 7.820 ng
RT: 6.27 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion: 99 Resp: 46893

Ion	Ratio	Lower	Upper
99	100		
42	22.8	13.5	20.3#
71	30.7	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
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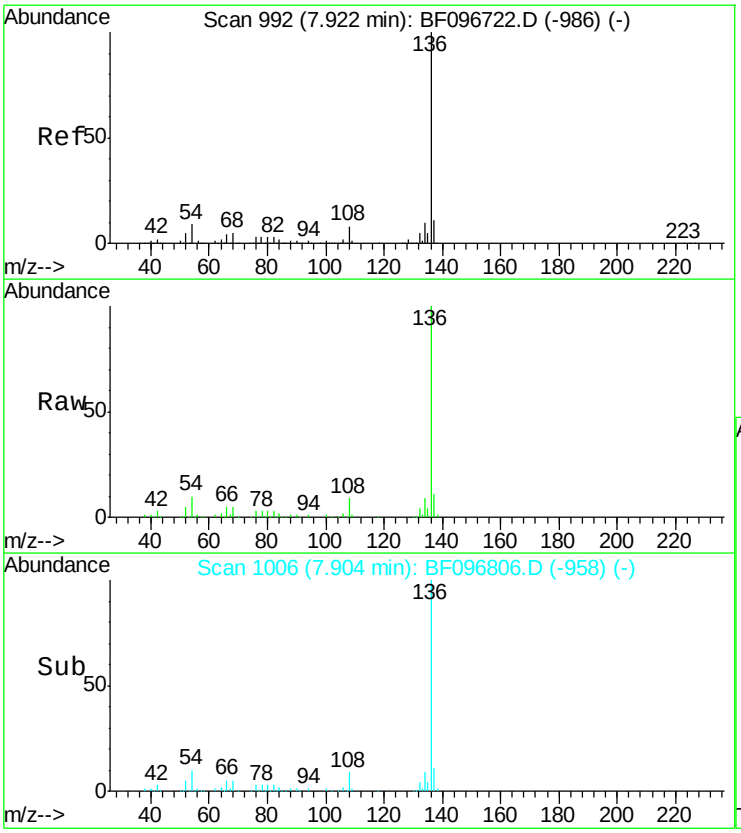
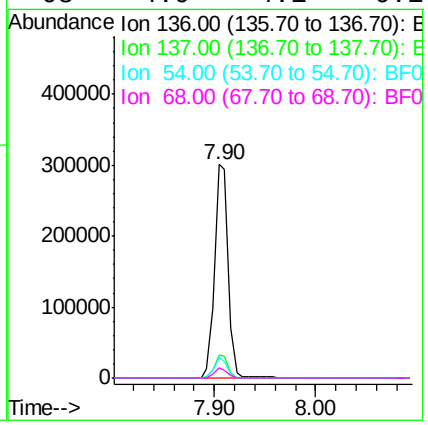
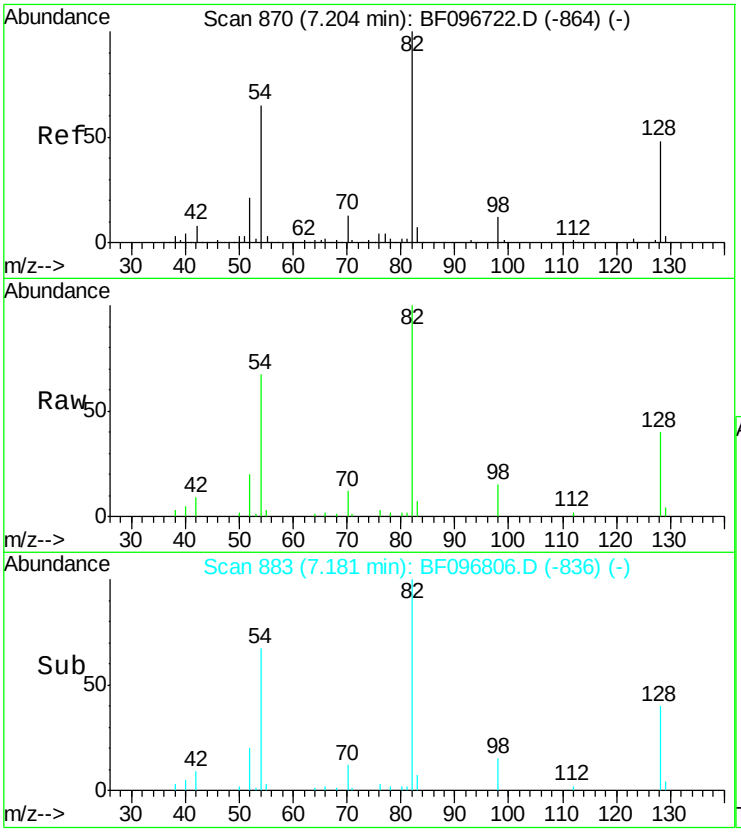


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.90 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:136 Resp: 281665

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.5	4.9	7.3#
68	4.9	4.1	6.1

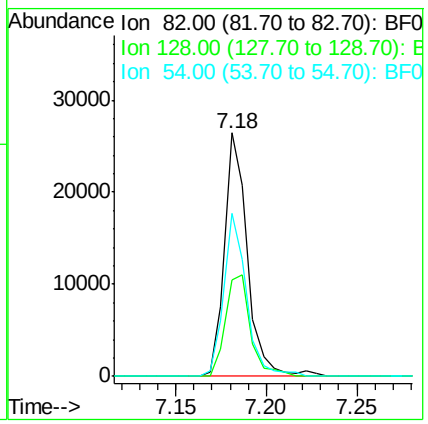




#23
Nitrobenzene-d5
Concen: 5.127 ng
RT: 7.18 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion: 82 Resp: 23313

Ion	Ratio	Lower	Upper
82	100		
128	39.8	34.0	51.0
54	67.1	42.2	63.2#



Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

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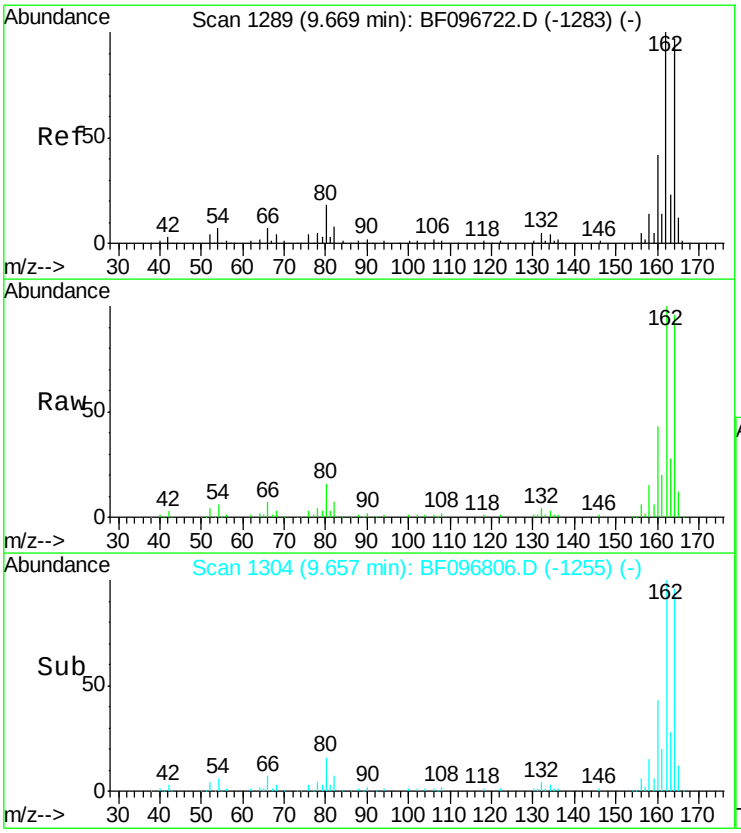
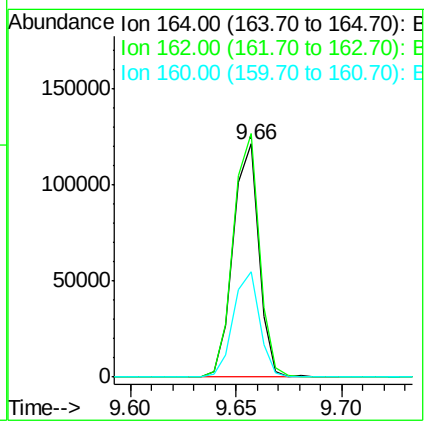
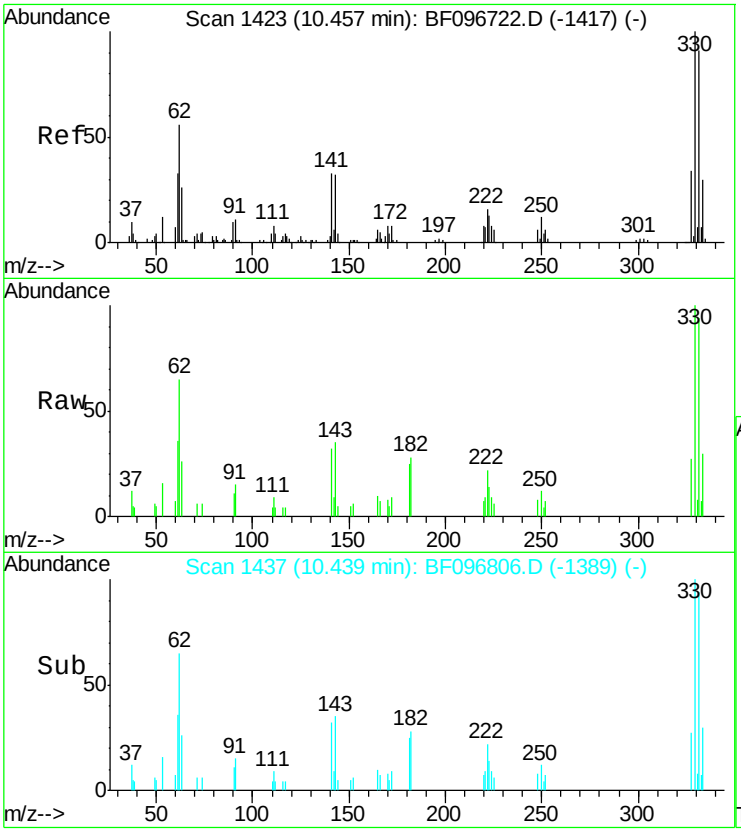


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.66 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:164 Resp: 101927

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	45.3	36.2	54.2

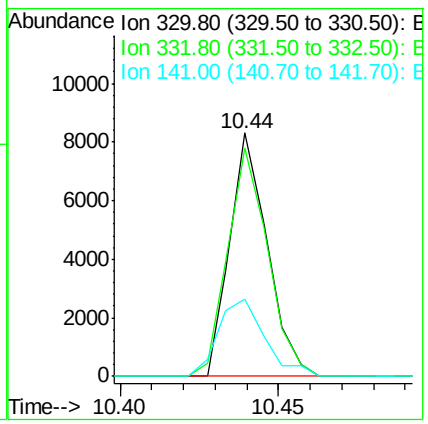




#41
2,4,6-Tribromophenol
Concen: 7.792 ng
RT: 10.44 min Scan# 1437
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:330 Resp: 6779

Ion	Ratio	Lower	Upper
330	100		
332	100.5	76.6	115.0
141	39.2	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

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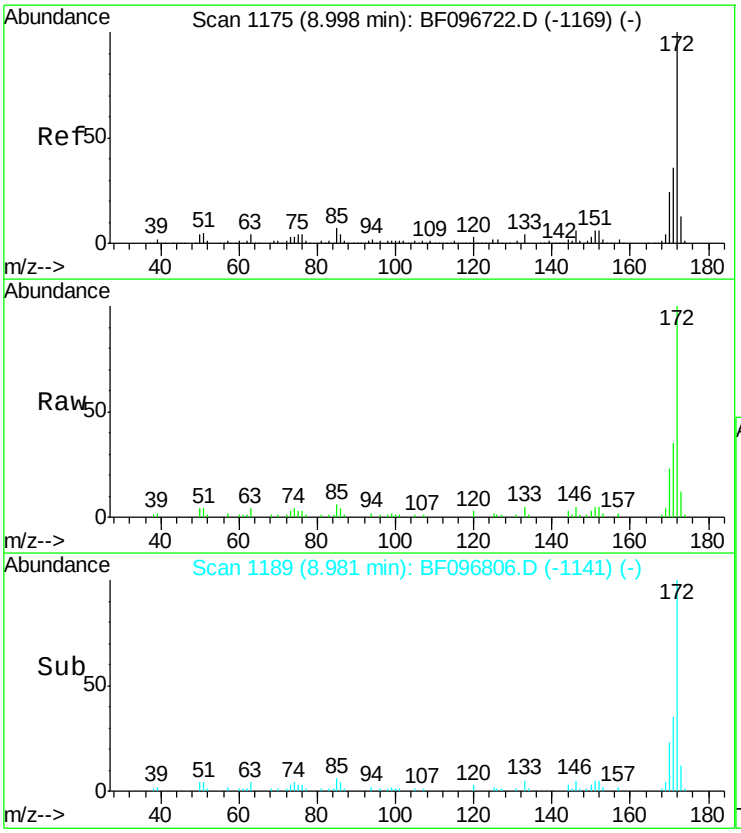
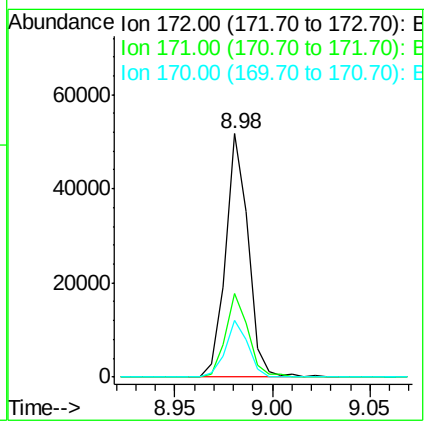
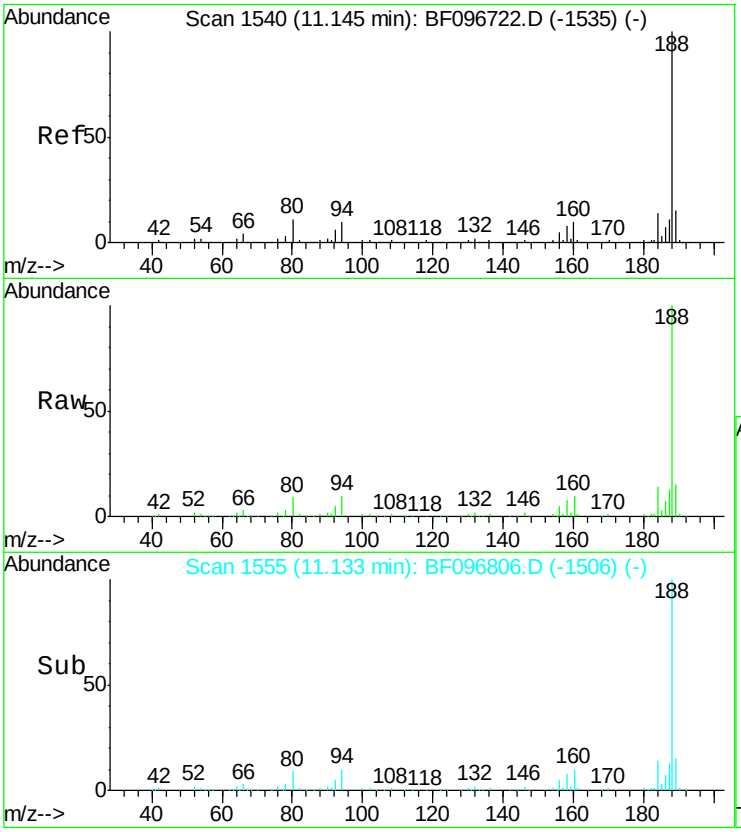


#44
2-Fluorobiphenyl
Concen: 6.437 ng
RT: 8.98 min Scan# 1189
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:172 Resp: 41530

Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.6	44.4
170	23.2	19.8	29.8





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.13 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:188 Resp: 167992

Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.4	14.2
80	9.5	10.2	15.2#

Instrument :
BNA_F
ClientSampleId :
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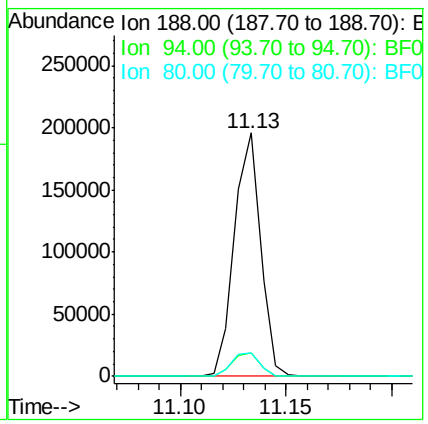
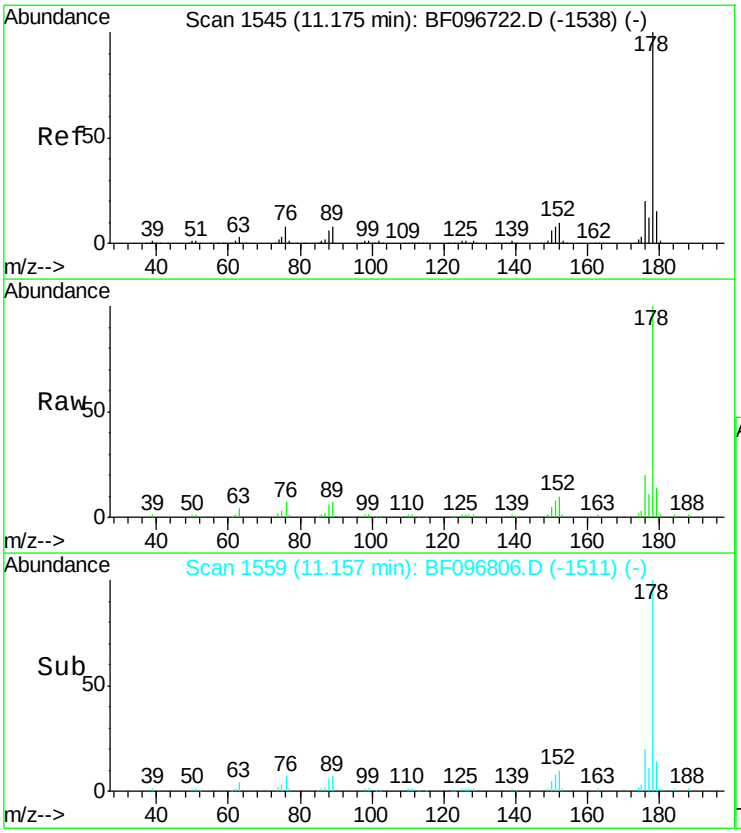
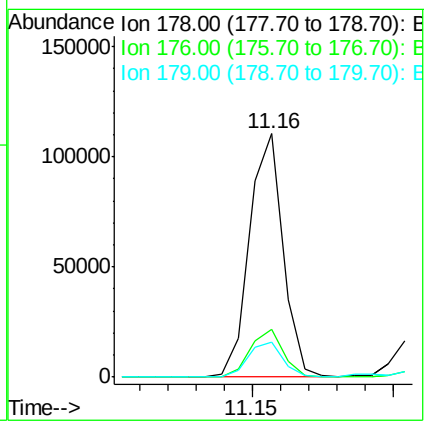


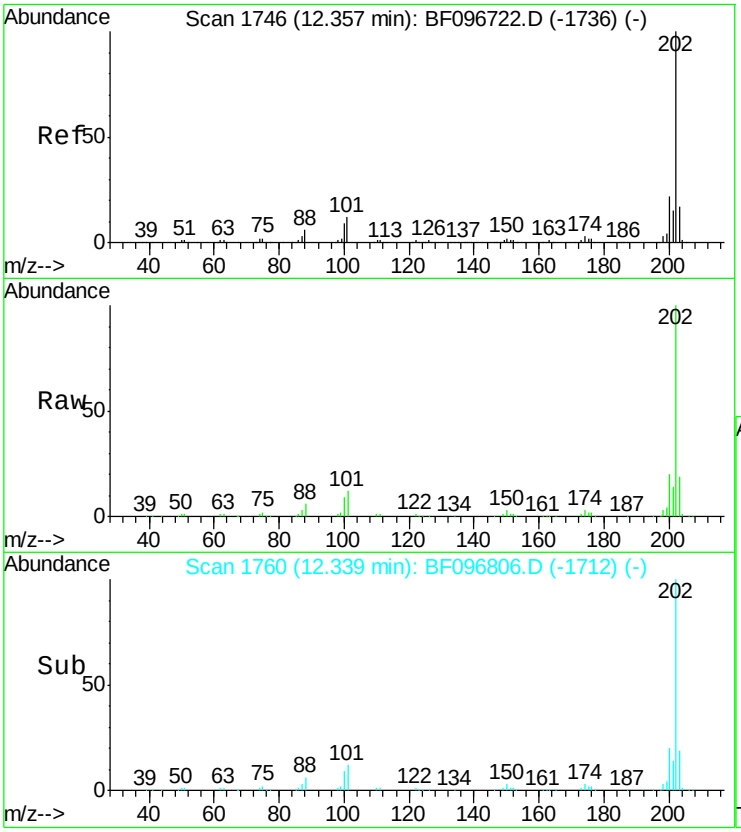


#70
Phenanthrene
Concen: 9.986 ng
RT: 11.16 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:178 Resp: 91214

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	14.4	12.6	19.0

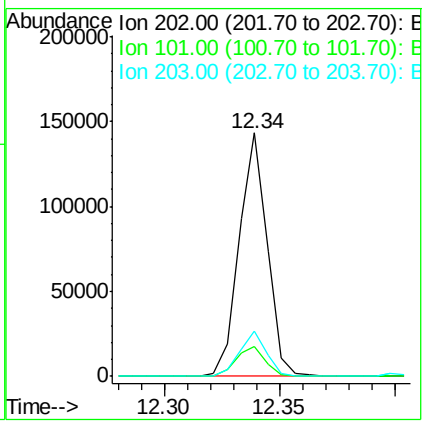




#74
Fluoranthene
Concen: 13.894 ng
RT: 12.34 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:202 Resp: 121476

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	33.2
203	18.6	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

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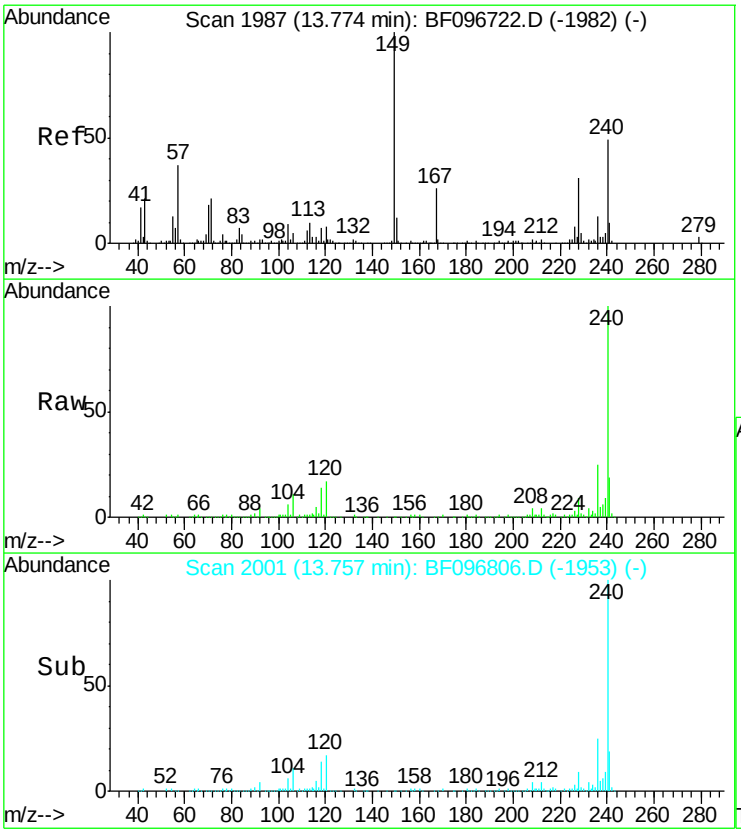
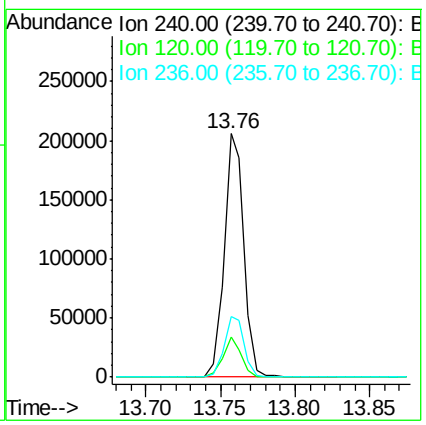
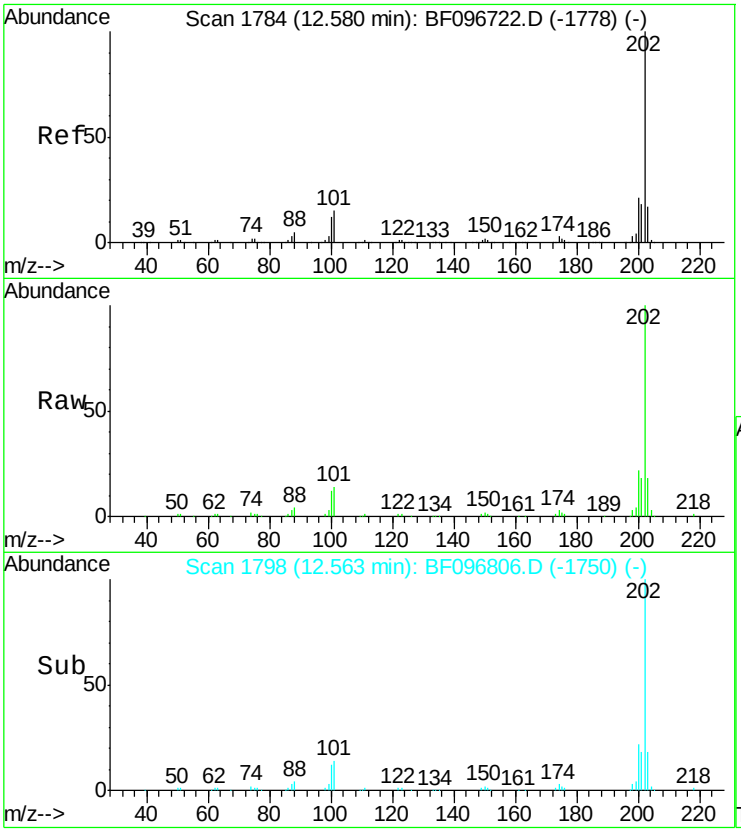


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.76 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:240 Resp: 191664

Ion	Ratio	Lower	Upper
240	100		
120	16.7	5.8	8.8#
236	25.0	20.5	30.7

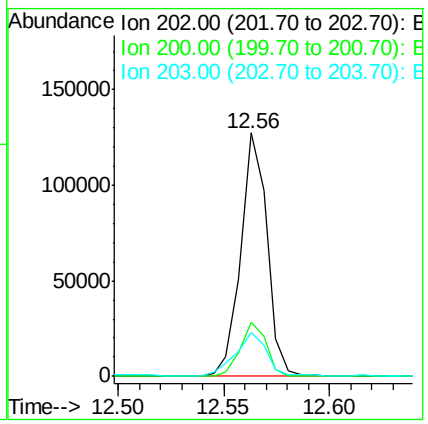




#77
Pyrene
Concen: 6.310 ng
RT: 12.56 min Scan# 1798
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:202 Resp: 109762

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.6	26.4
203	18.0	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

Manual Integrations APPROVED
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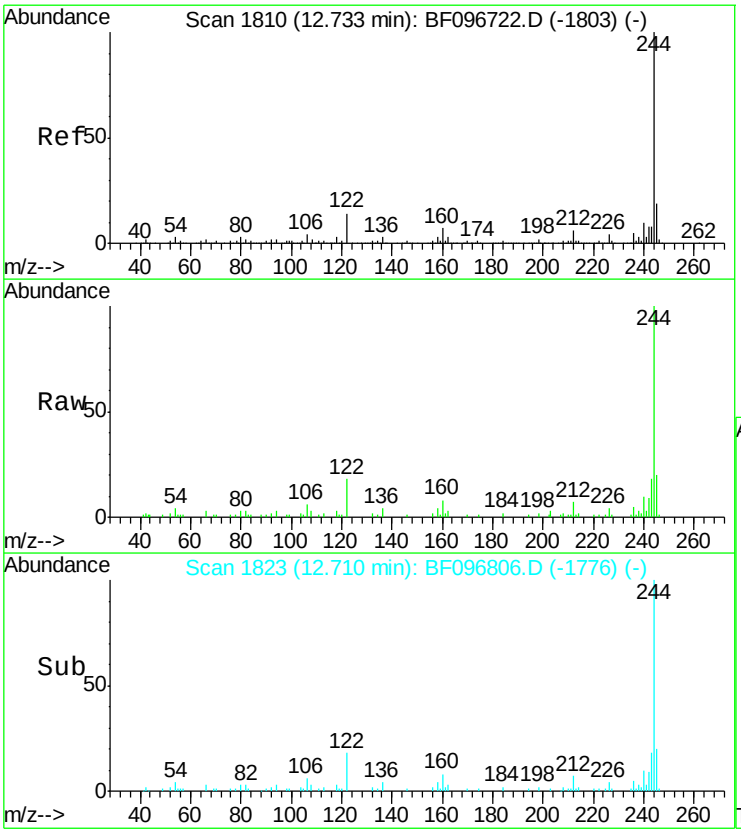
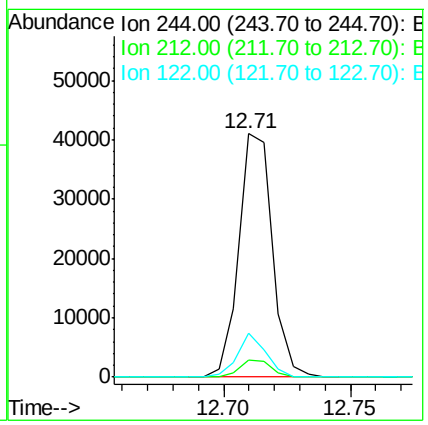
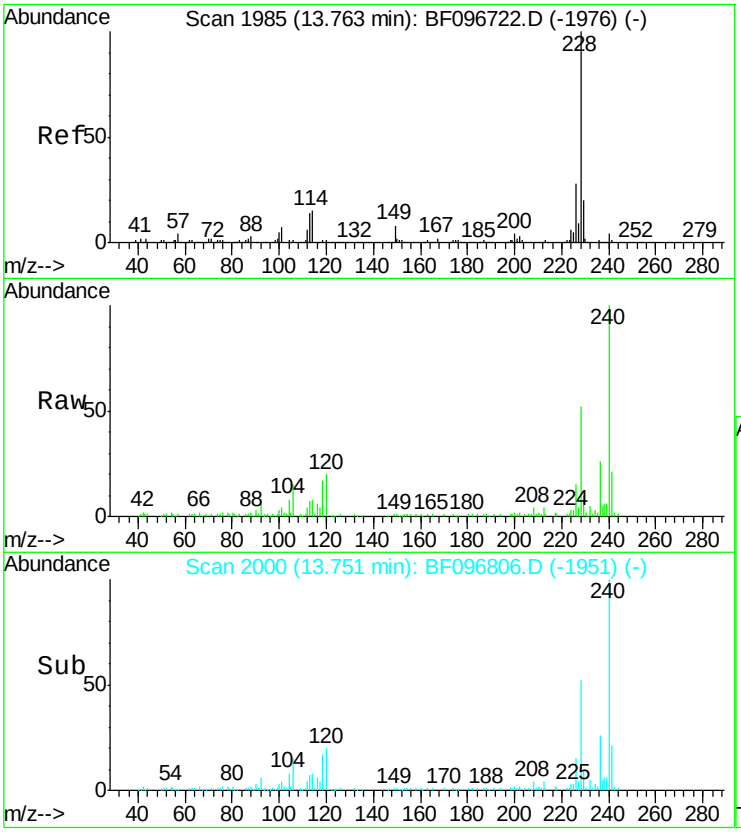


#78
Terphenyl-d14
Concen: 3.394 ng
RT: 12.71 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:244 Resp: 37511

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	18.2	10.3	15.5#

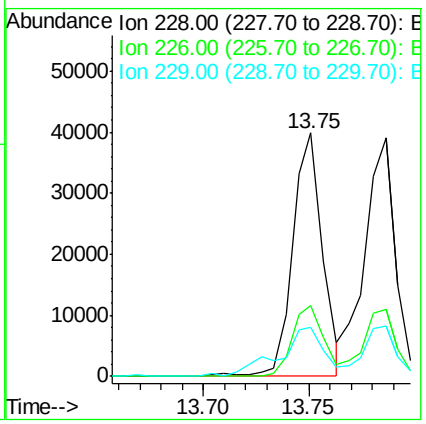




#80
Benzo(a)anthracene
Concen: 3.286 ng
RT: 13.75 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:228 Resp: 39245

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	20.1	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

Manual Integrations APPROVED
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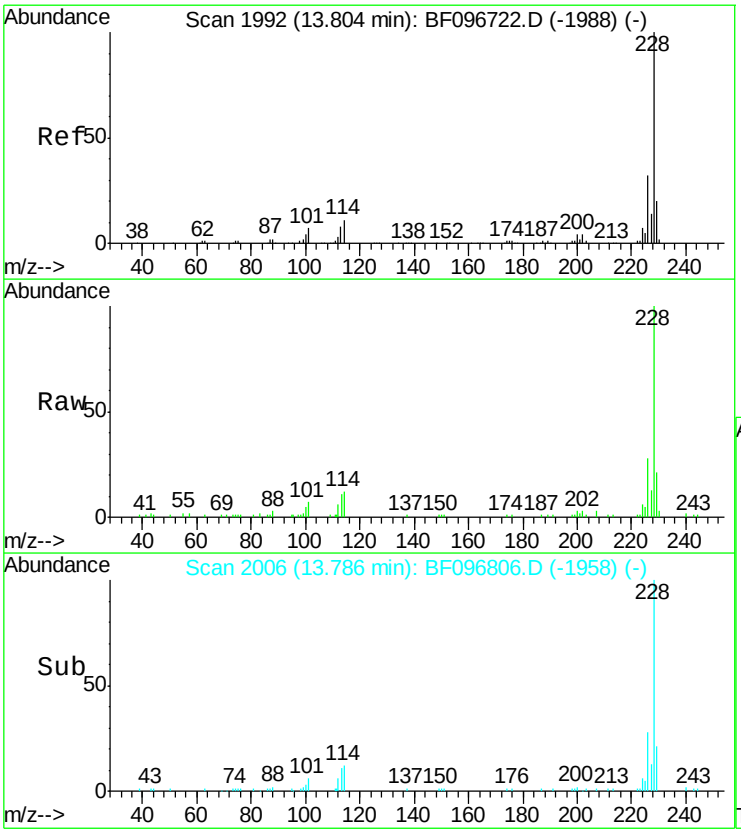
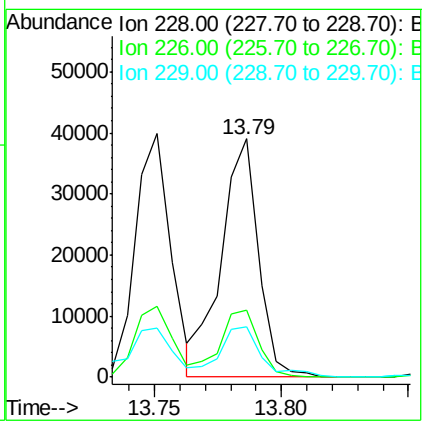
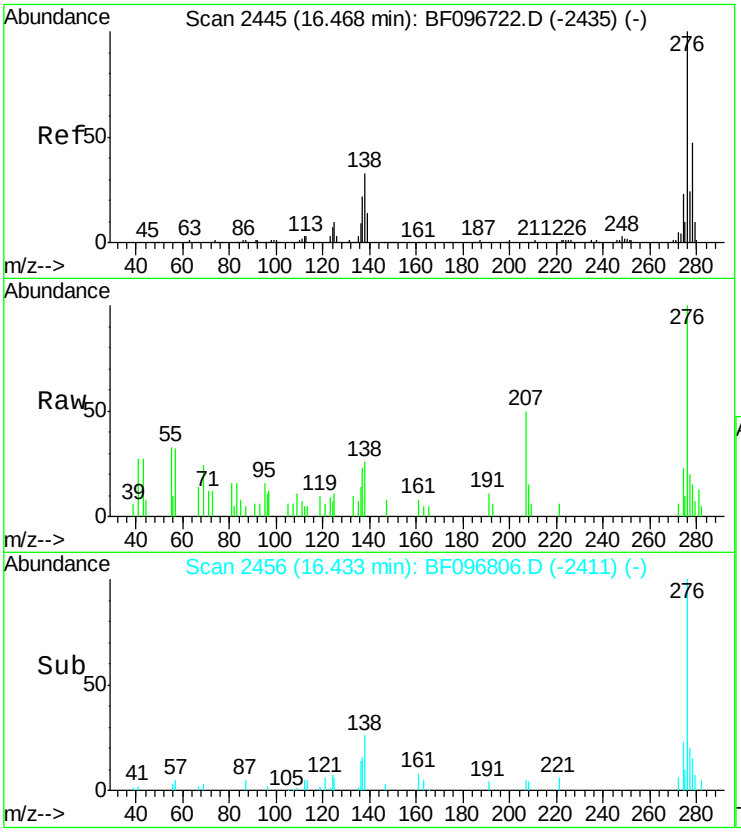


#82
Chrysene
Concen: 3.392 ng
RT: 13.79 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:228 Resp: 39875

Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.9	37.3
229	21.1	15.8	23.6

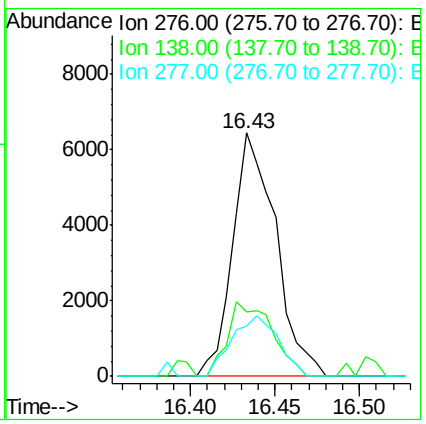




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.335 ng
RT: 16.43 min Scan# 2456
Delta R.T. -0.03 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

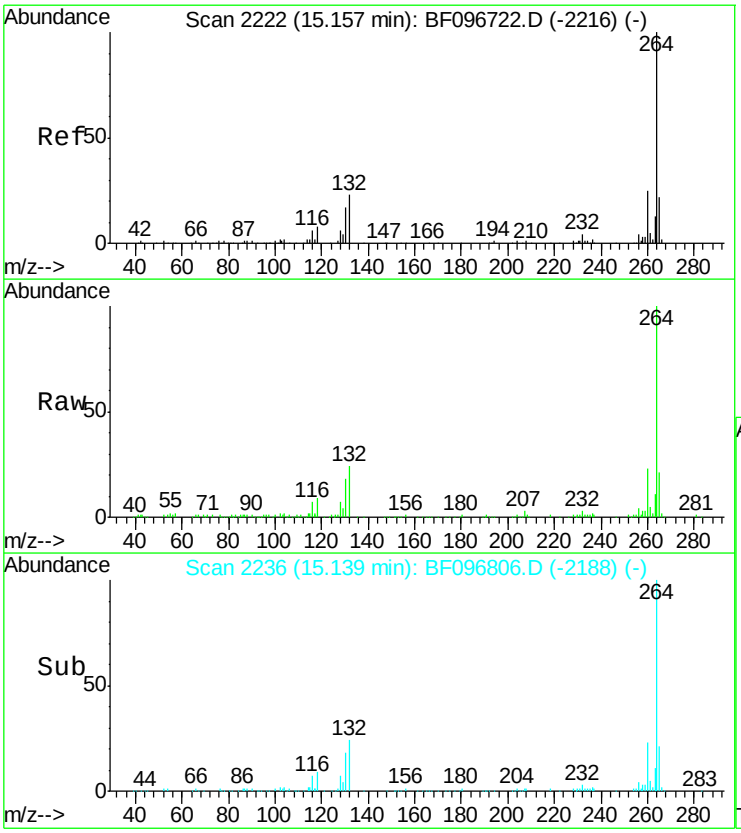
Tgt Ion:276 Resp: 11376

Ion	Ratio	Lower	Upper
276	100		
138	31.6	27.8	41.6
277	26.9	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

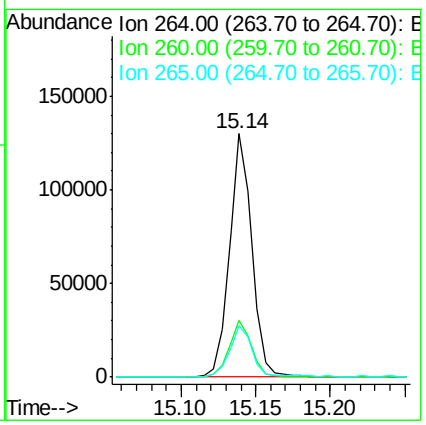
Manual Integrations APPROVED
mohammad
7/17/2017 3:57:57 PM

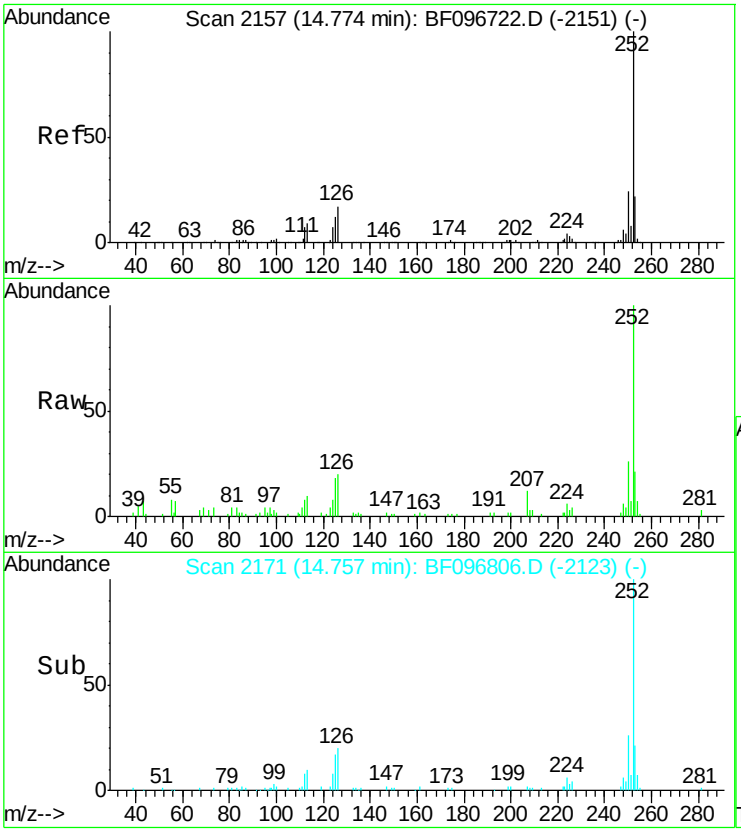


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.14 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:264 Resp: 137225

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.5	29.3
265	21.3	17.2	25.8





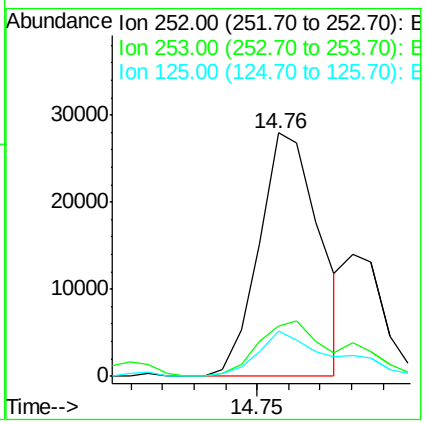
#87
Benzo(b)fluoranthene
Concen: 4.498 ng m
RT: 14.76 min Scan# 2171
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

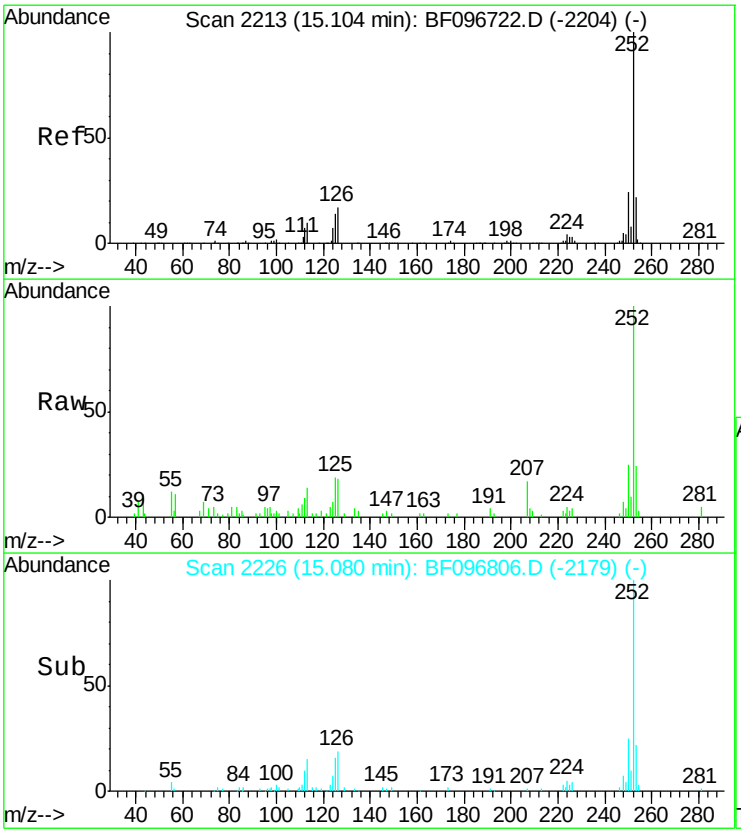
Tgt Ion:252 Resp: 37223

Ion	Ratio	Lower	Upper
252	100		
253	20.7	18.1	27.1
125	18.4	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
E2-05-WSW

Manual Integrations APPROVED
mohammad
7/17/2017 3:57:57 PM





#89
Benzo(a)pyrene
Concen: 3.281 ng
RT: 15.08 min Scan# 2226
Delta R.T. -0.02 min
Lab File: BF096806.D
Acq: 15 Jul 2017 7:49

Tgt Ion:252 Resp: 24903

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	18.8	11.0	16.4#