Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070317\
Data File : BF096468.D
Acq On : 4 Jul 2017 5:04
Operator : SJ/MA
Sample : I3998-03 10X
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

Manual Integrations APPROVED
mohammad
7/5/2017 11:42:18 AM

Quant Time: Jul 04 05:39:55 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 03 01:43:12 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	109707	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	376696	20.00	ng	-0.01
38) Acenaphthene-d10	9.76	164	129811	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	216639	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	182811	20.00	ng	-0.01
86) Perylene-d12	15.28	264	114696	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	53048	7.14	ng	-0.02
7) Phenol-d6	6.35	99	63304	6.93	ng	-0.02
23) Nitrobenzene-d5	7.28	82	31939	5.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.54	330	7883	7.77	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	62545	8.24	ng	-0.02
78) Terphenyl-d14	12.82	244	46915	5.48	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.26	178	87659	7.485	ng	98
74) Fluoranthene	12.45	202	165881	14.447	ng	99
77) Pyrene	12.67	202	157234	10.715	ng	98
80) Benzo(a)anthracene	13.86	228	60664	5.730	ng	97
82) Chrysene	13.89	228	54073	4.878	ng	96
85) Indeno(1,2,3-cd)pyrene	16.64	276	20562	2.350	ng	96
87) Benzo(b)fluoranthene	14.88	252	51779m	7.205	ng	
88) Benzo(k)fluoranthene	14.90	252	13234m	2.059	ng	
89) Benzo(a)pyrene	15.22	252	35347	5.509	ng	96
91) Benzo(g,h,i)perylene	17.05	276	19425	3.714	ng	94

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

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Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

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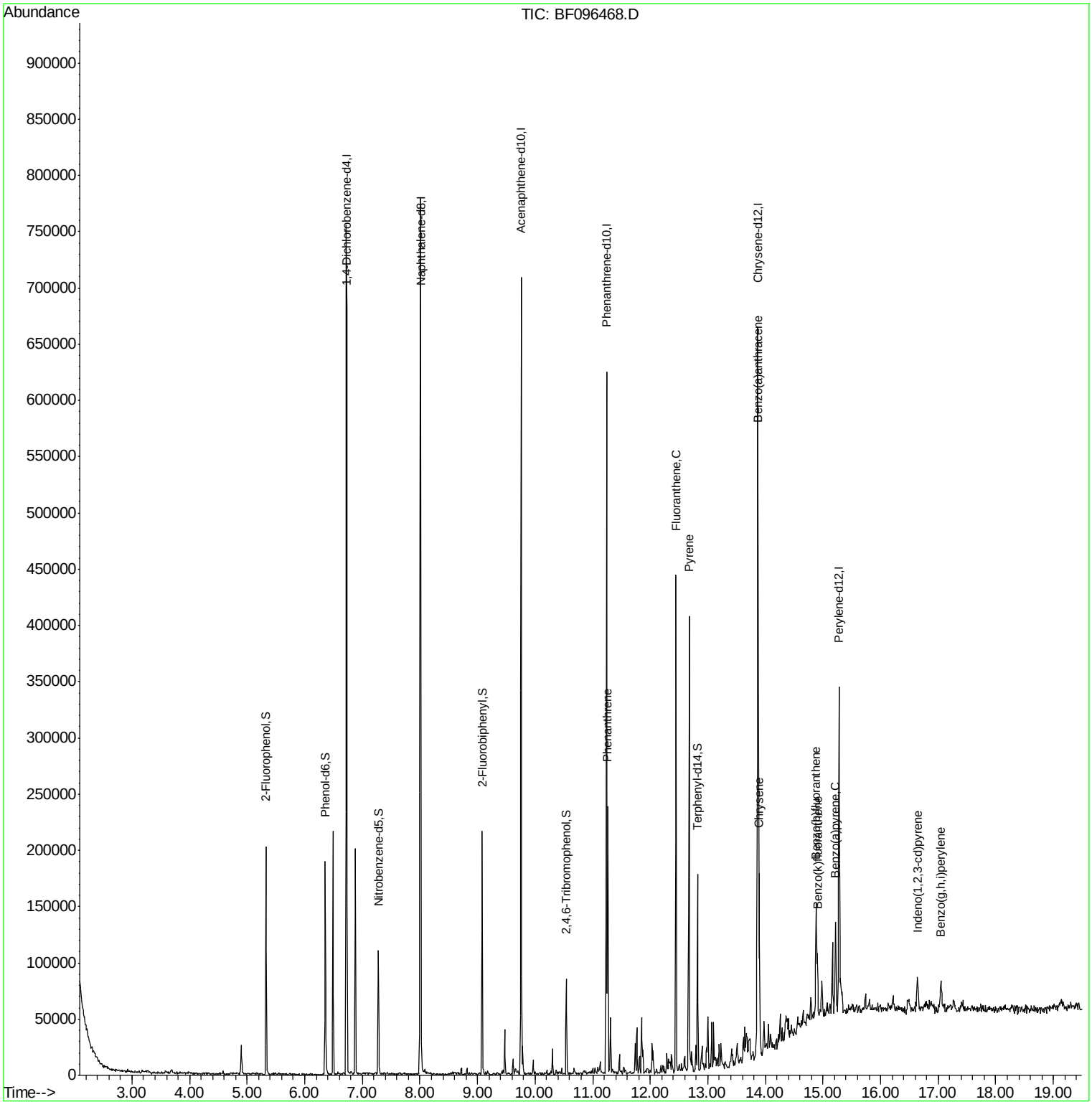
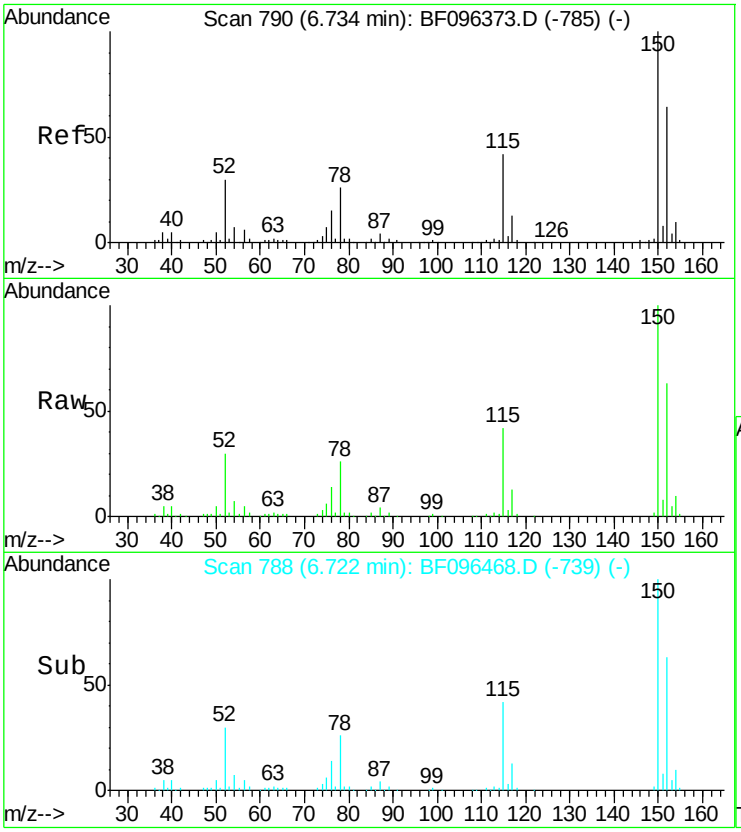
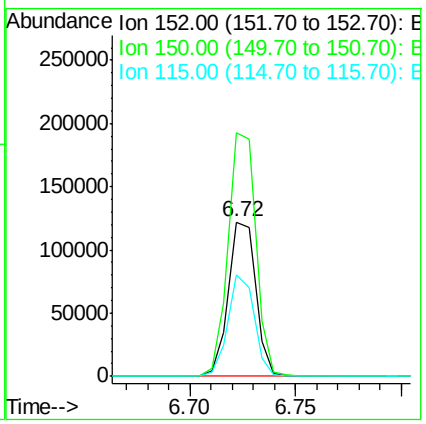




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:152 Resp: 109707

Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.2	189.2
115	66.2	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

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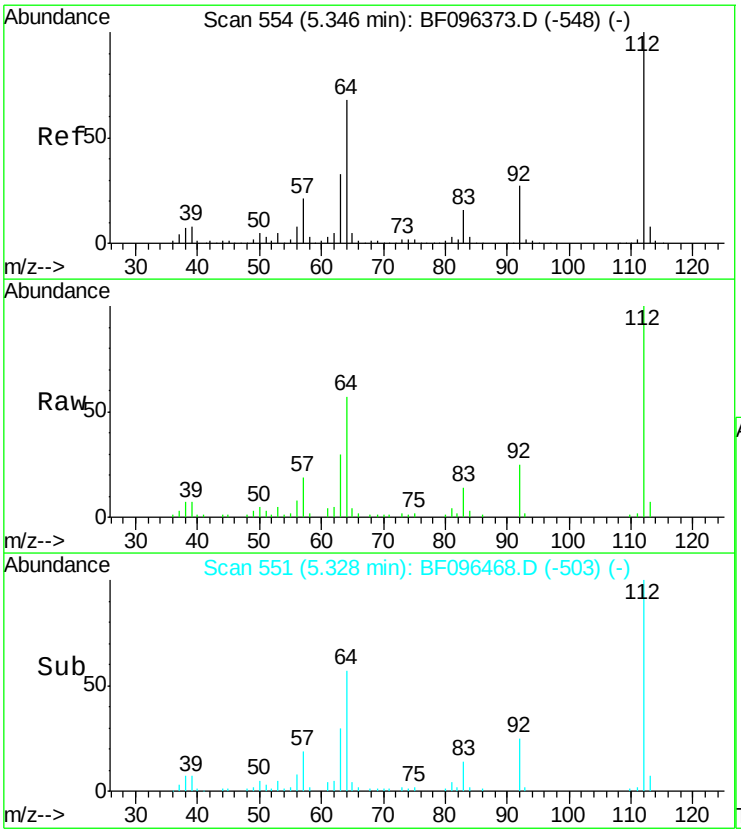
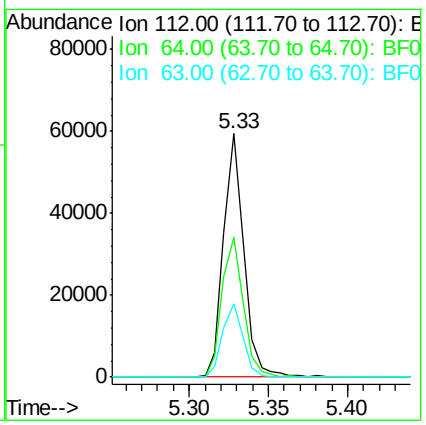
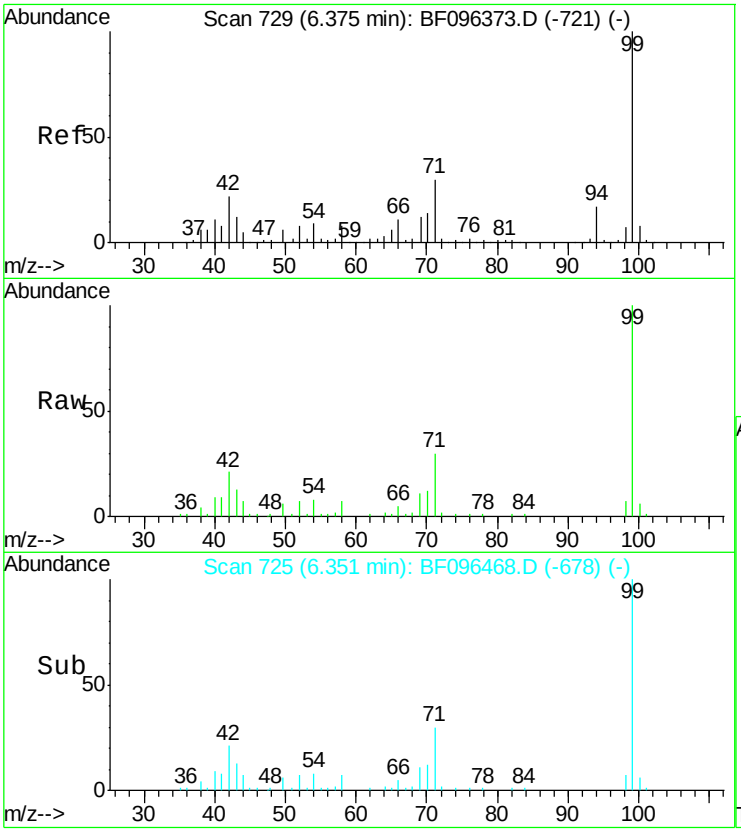


#5
2-Fluorophenol
Concen: 7.137 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:112 Resp: 53048

Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.0	69.0
63	30.2	23.4	35.0

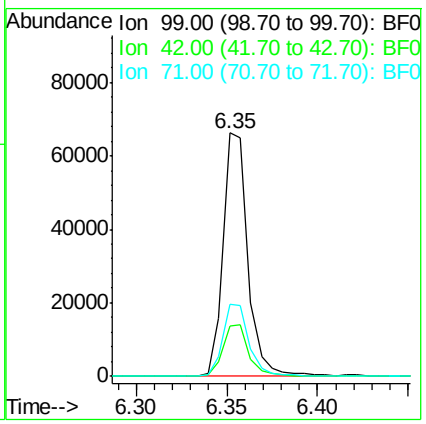




#7
Phenol-d6
Concen: 6.928 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.02 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion: 99 Resp: 63304

Ion	Ratio	Lower	Upper
99	100		
42	20.8	13.5	20.3#
71	29.7	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

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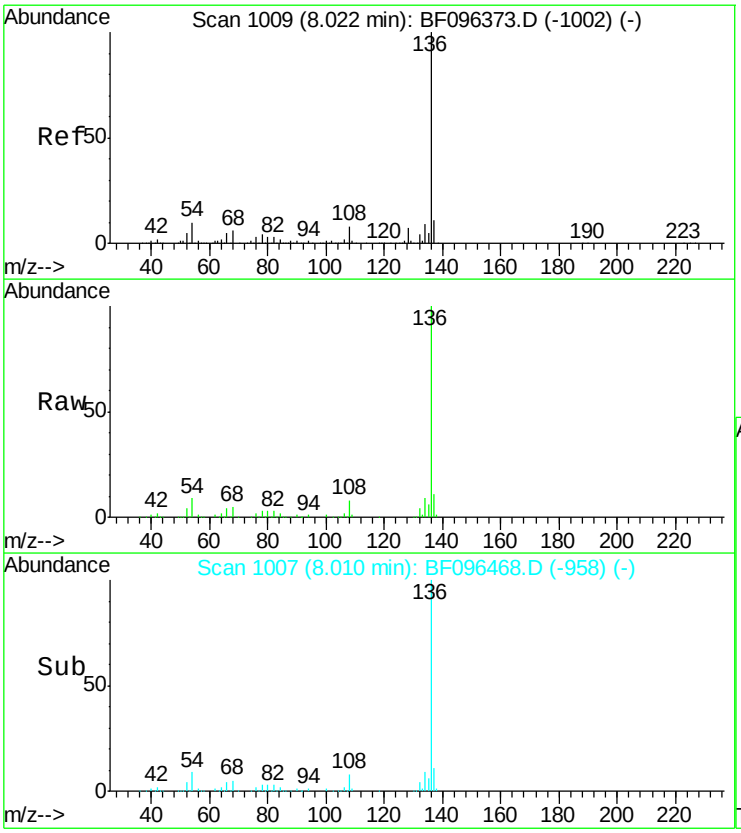
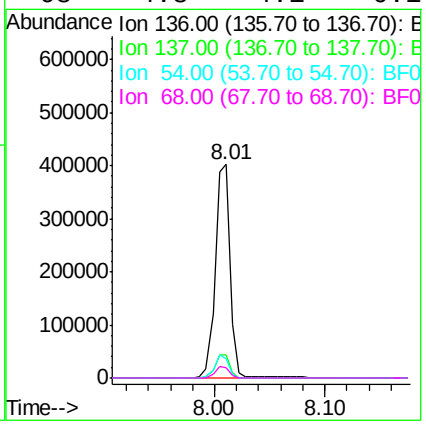
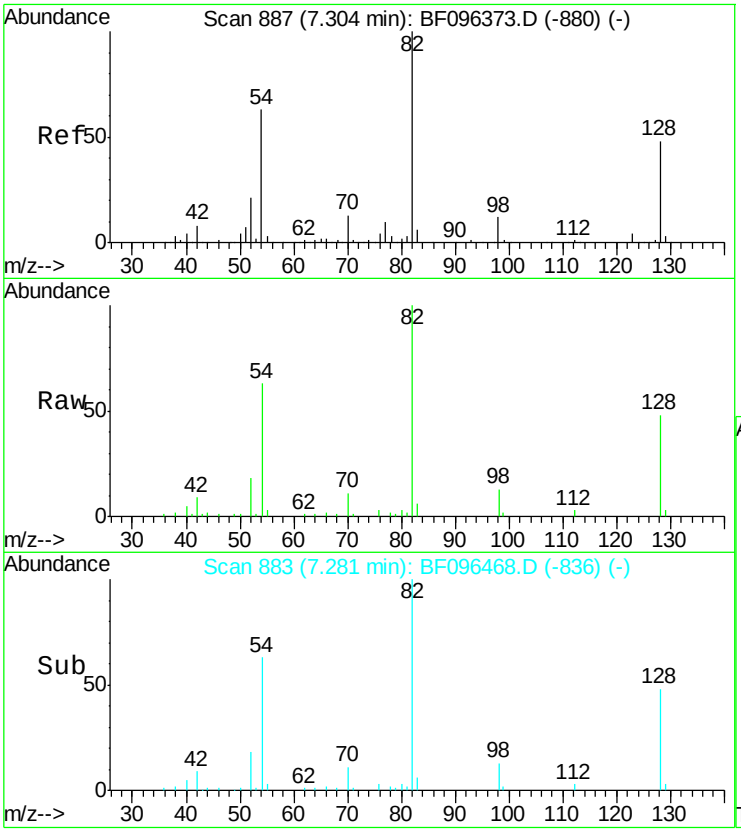


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:136 Resp: 376696

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.2	4.9	7.3#
68	4.8	4.1	6.1

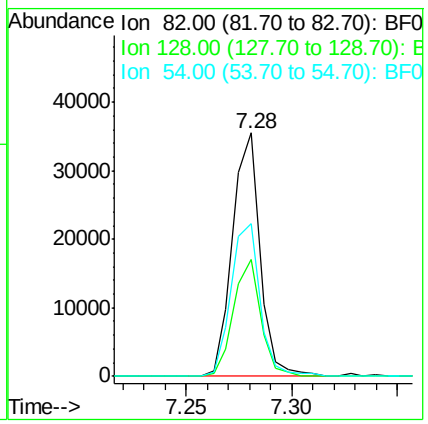




#23
Nitrobenzene-d5
Concen: 5.095 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion: 82 Resp: 31939

Ion	Ratio	Lower	Upper
82	100		
128	48.2	34.0	51.0
54	63.0	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

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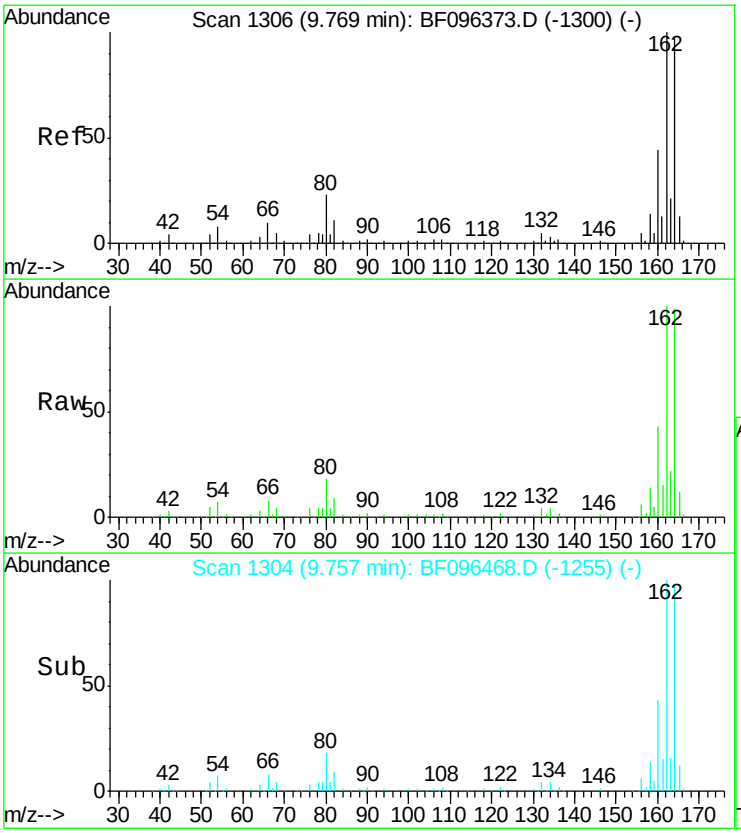
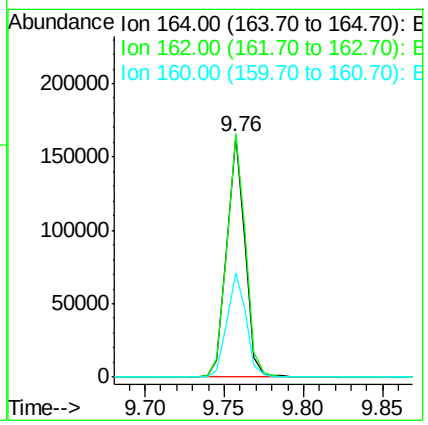
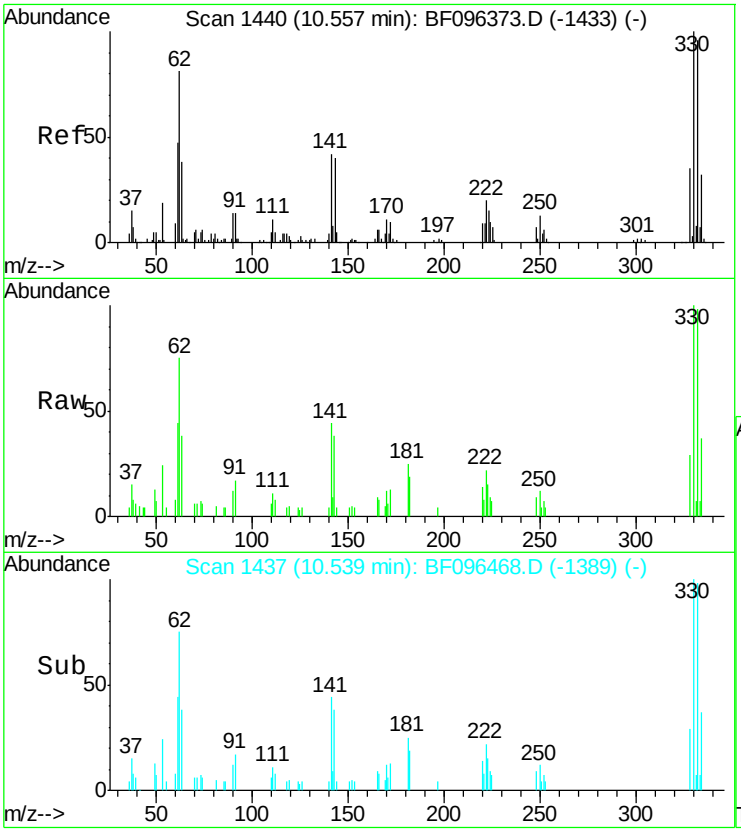


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:164 Resp: 129811

Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.6	123.8
160	43.4	36.2	54.2

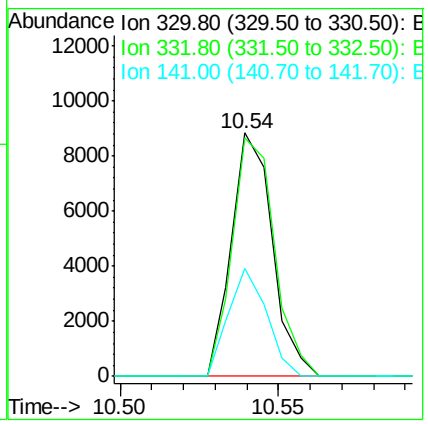




#41
2,4,6-Tribromophenol
Concen: 7.774 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.02 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:330 Resp: 7883

Ion	Ratio	Lower	Upper
330	100		
332	101.2	76.6	115.0
141	41.1	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

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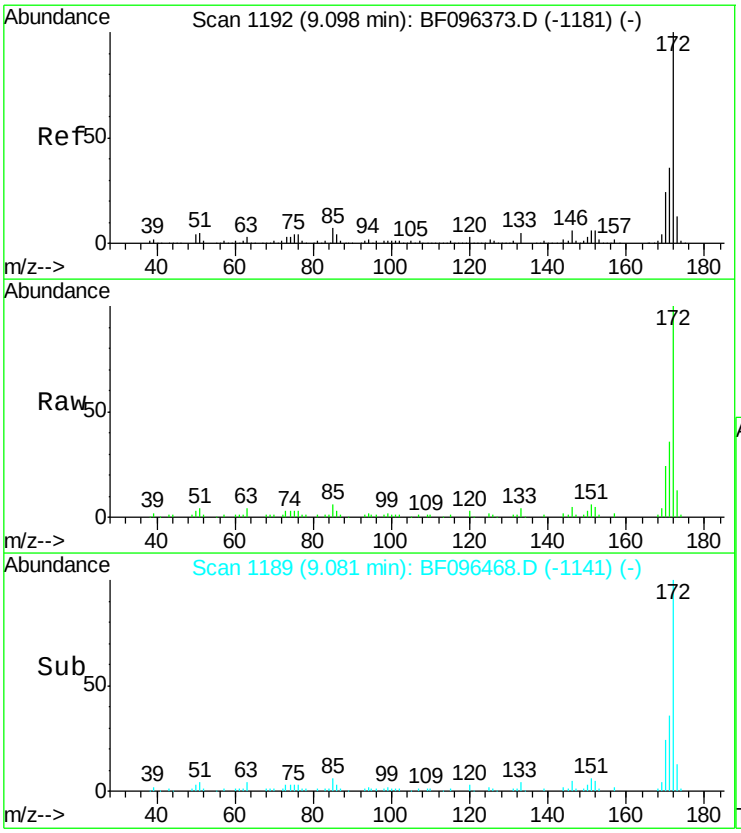
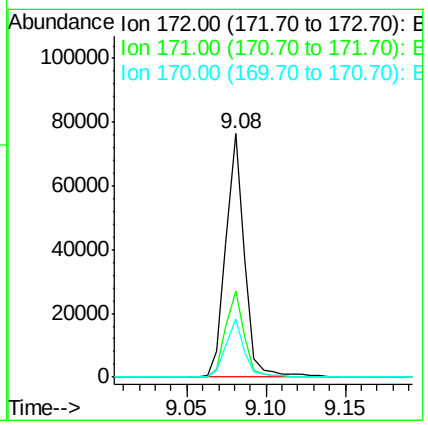
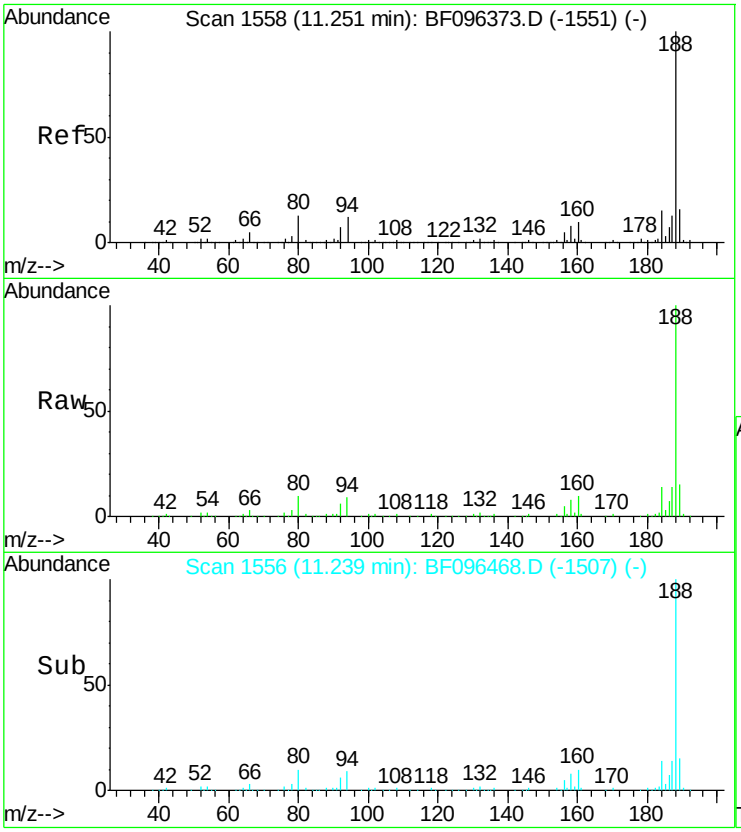


#44
2-Fluorobiphenyl
Concen: 8.238 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.02 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:172 Resp: 62545

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.6	19.8	29.8





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:188 Resp: 216639

Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.4	14.2
80	9.7	10.2	15.2#

Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

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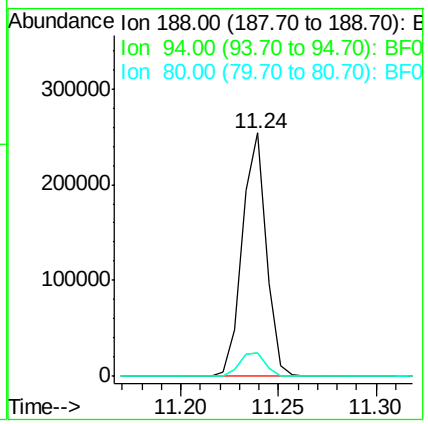
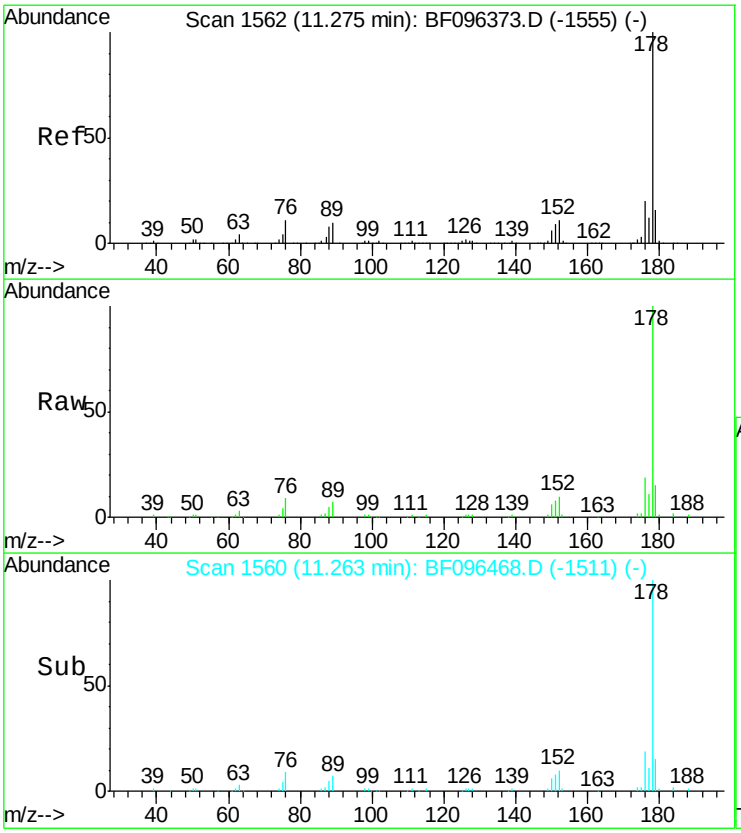
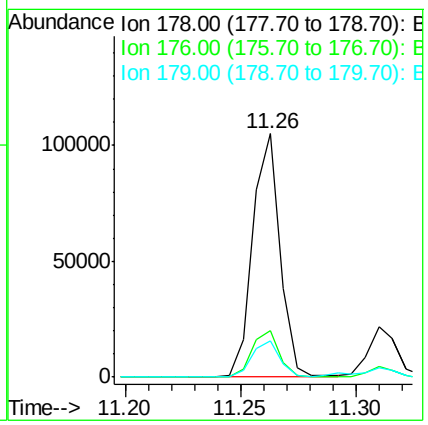


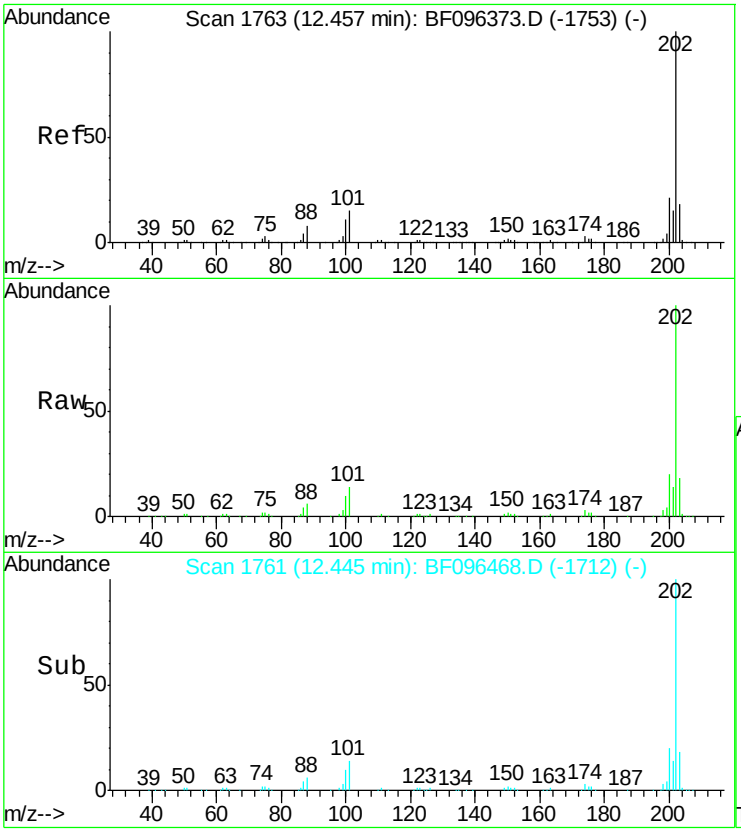


#70
Phenanthrene
Concen: 7.485 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:178 Resp: 87659

Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	14.8	12.6	19.0

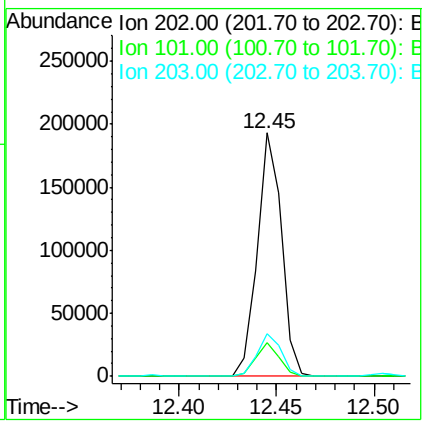




#74
Fluoranthene
Concen: 14.447 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:202 Resp: 165881

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.7	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

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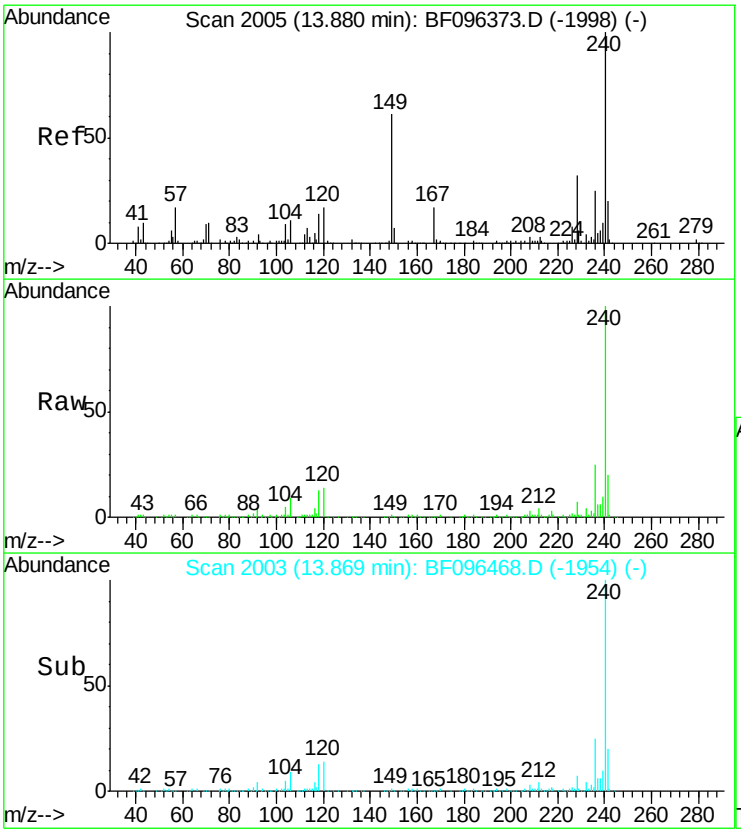
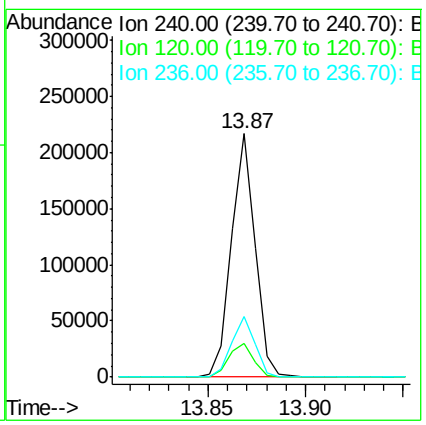
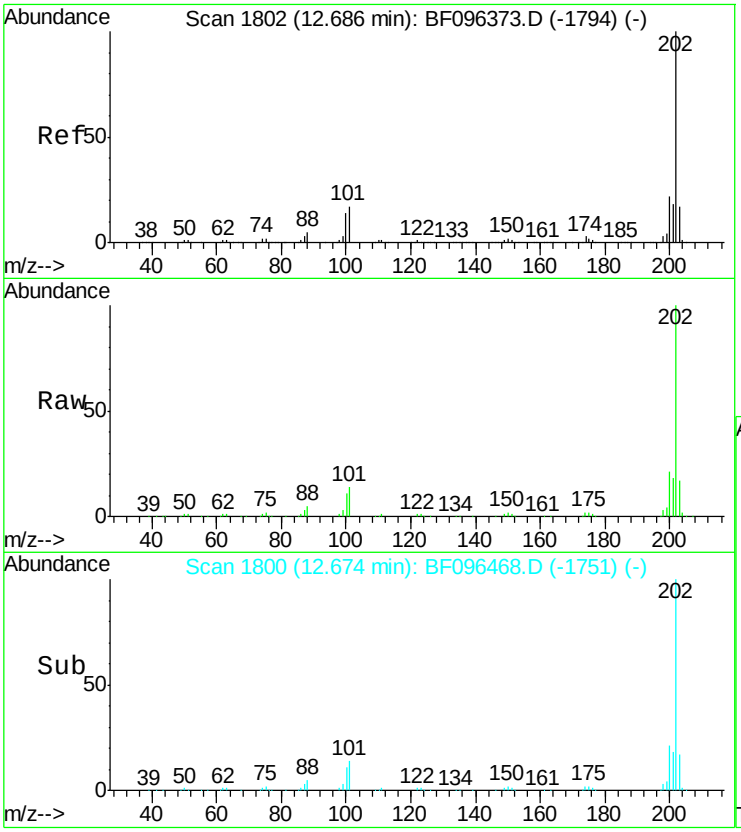


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:240 Resp: 182811

Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	24.8	20.5	30.7

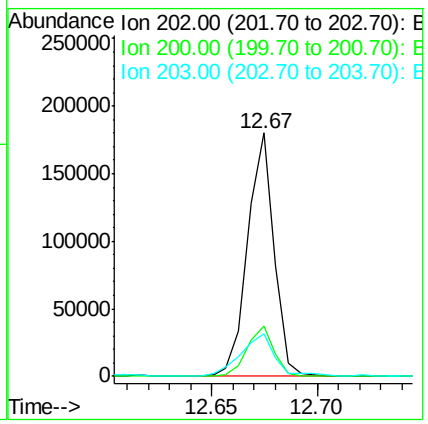




#77
Pyrene
Concen: 10.715 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:202 Resp: 157234

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.6	26.4
203	17.5	14.4	21.6



Instrument :
BNA_F
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Manual Integrations APPROVED
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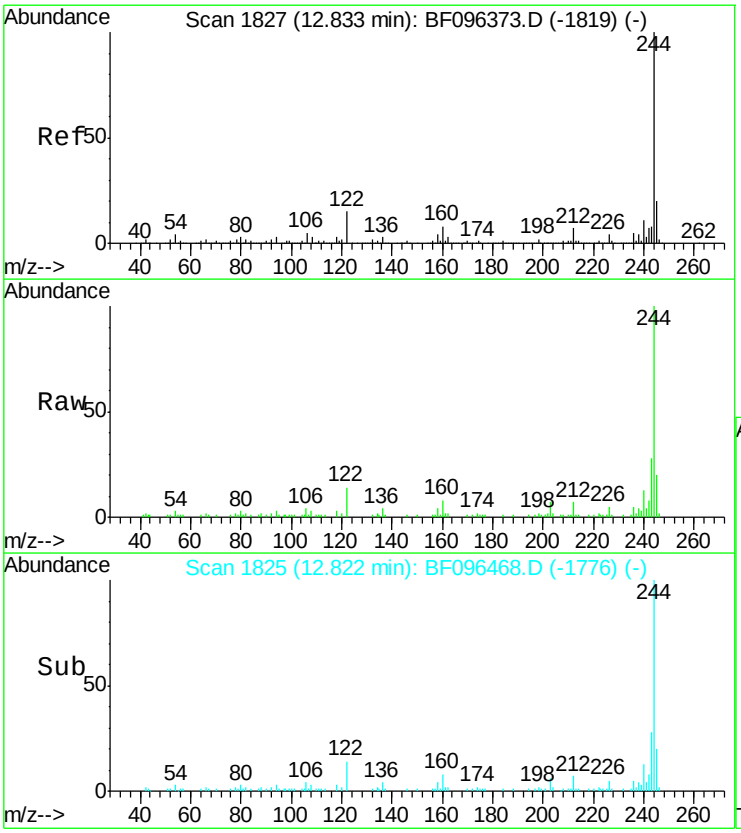
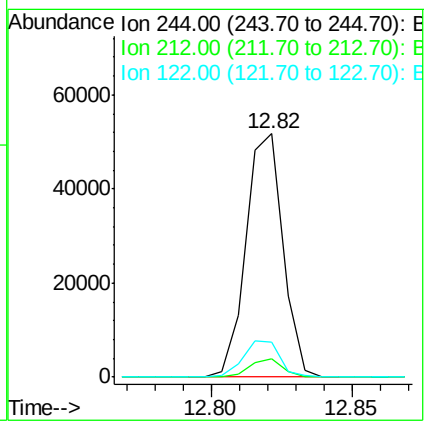
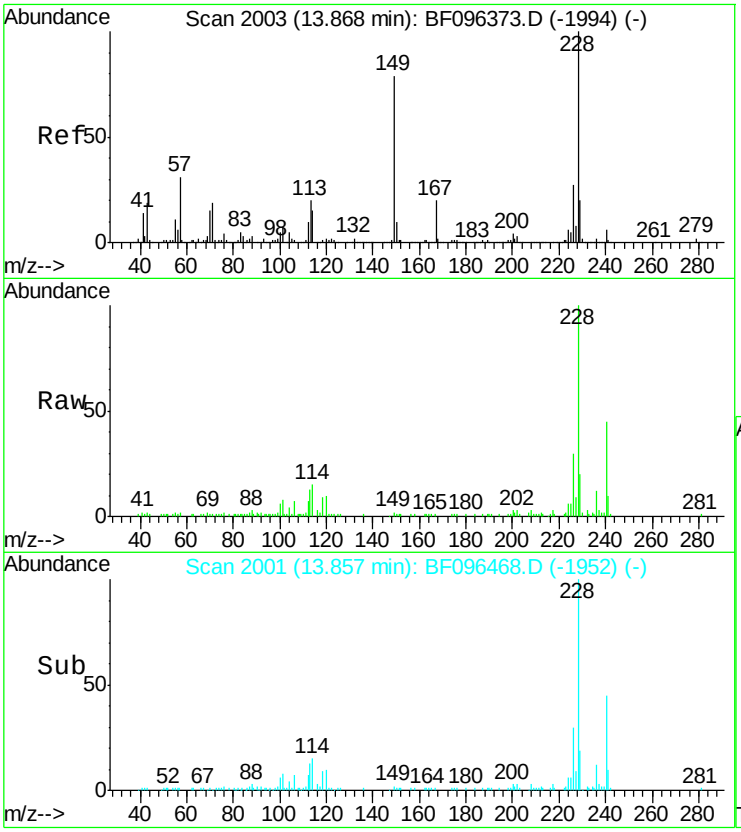


#78
Terphenyl-d14
Concen: 5.484 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:244 Resp: 46915

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	14.3	10.3	15.5

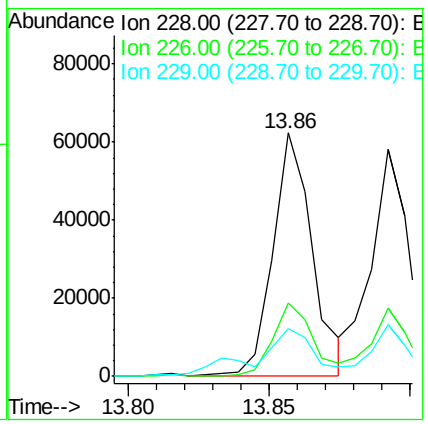




#80
Benzo(a)anthracene
Concen: 5.730 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:228 Resp: 60664

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	19.7	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

Manual Integrations APPROVED
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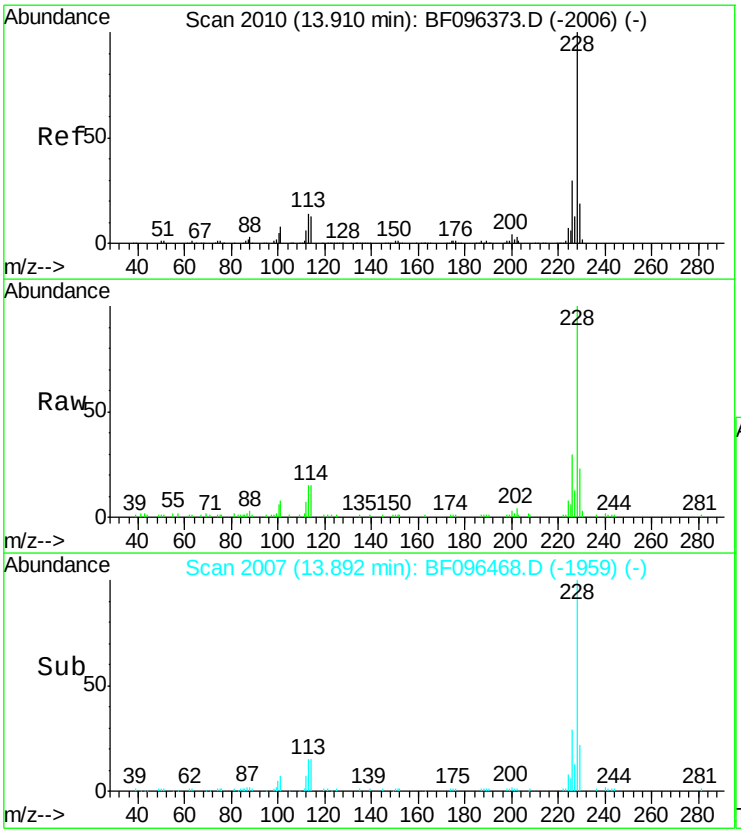
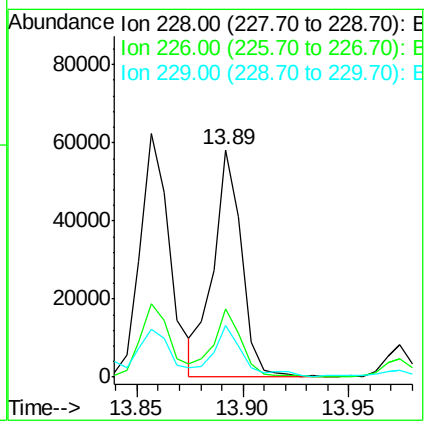
7/5/2017 11:42:18 AM

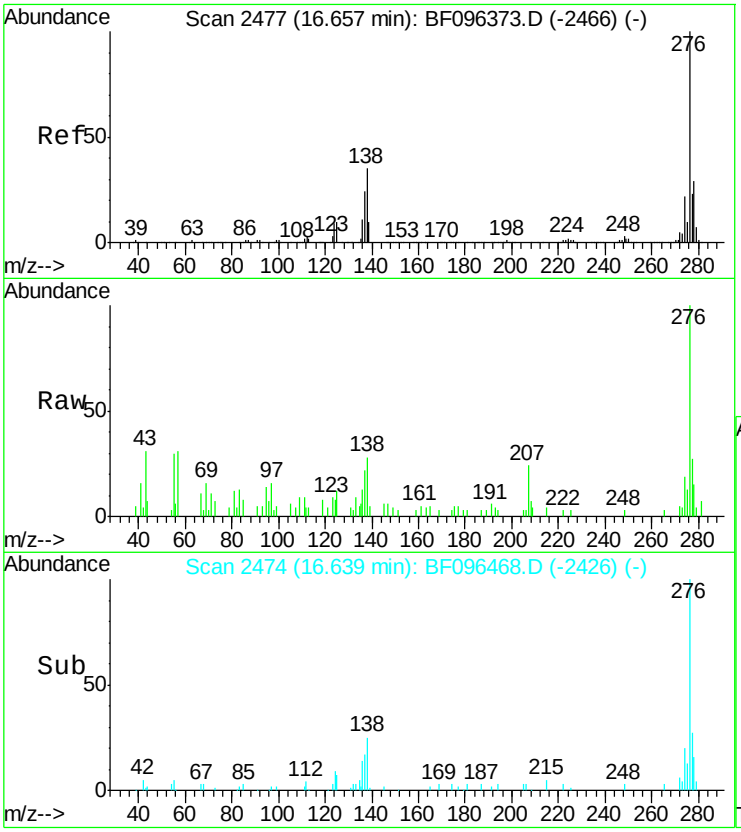


#82
Chrysene
Concen: 4.878 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.02 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:228 Resp: 54073

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.7	15.8	23.6

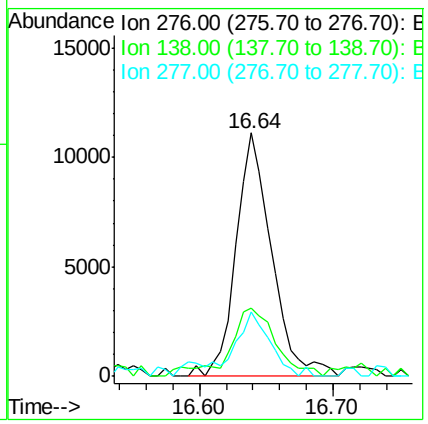




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.350 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.02 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:276 Resp: 20562

Ion	Ratio	Lower	Upper
276	100		
138	32.1	27.8	41.6
277	23.4	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

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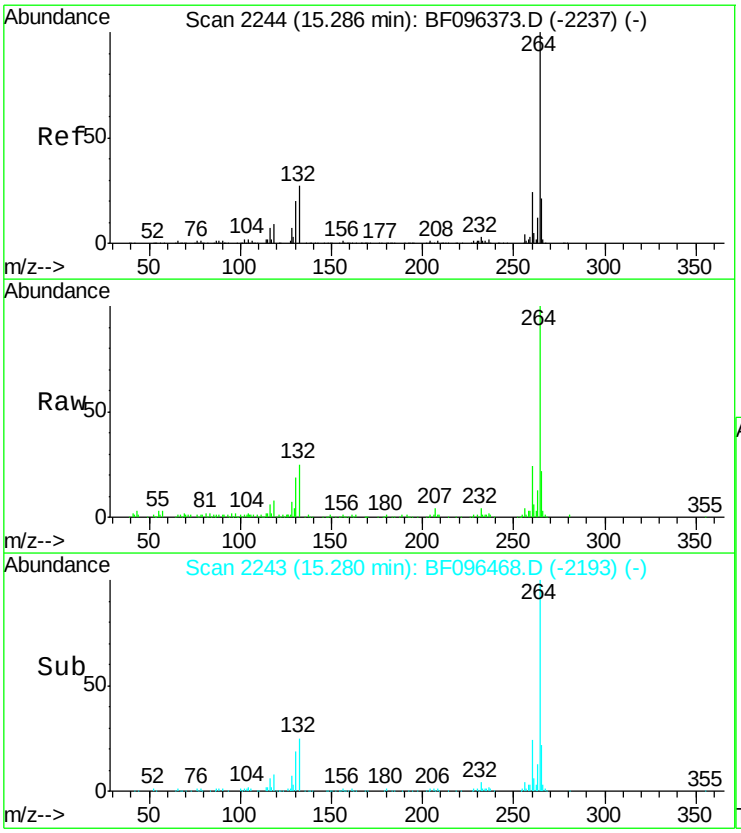
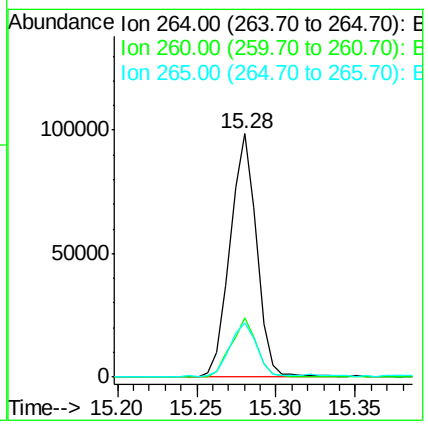
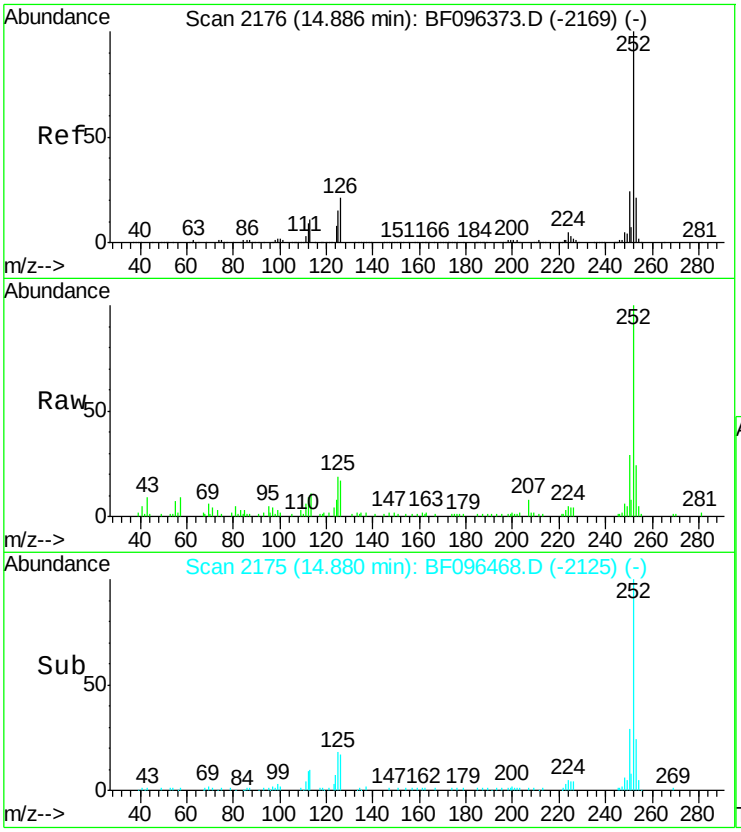


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:264 Resp: 114696

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.2	17.2	25.8





#87
Benzo(b)fluoranthene
Concen: 7.205 ng m
RT: 14.88 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:252 Resp: 51779

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	19.5	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

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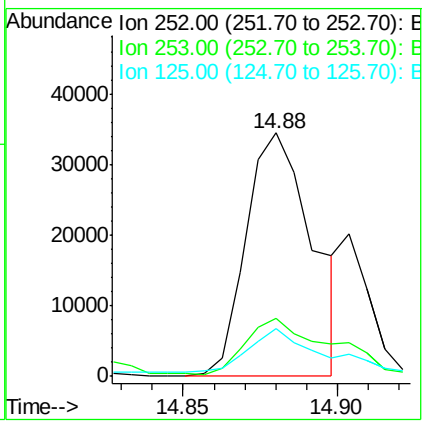
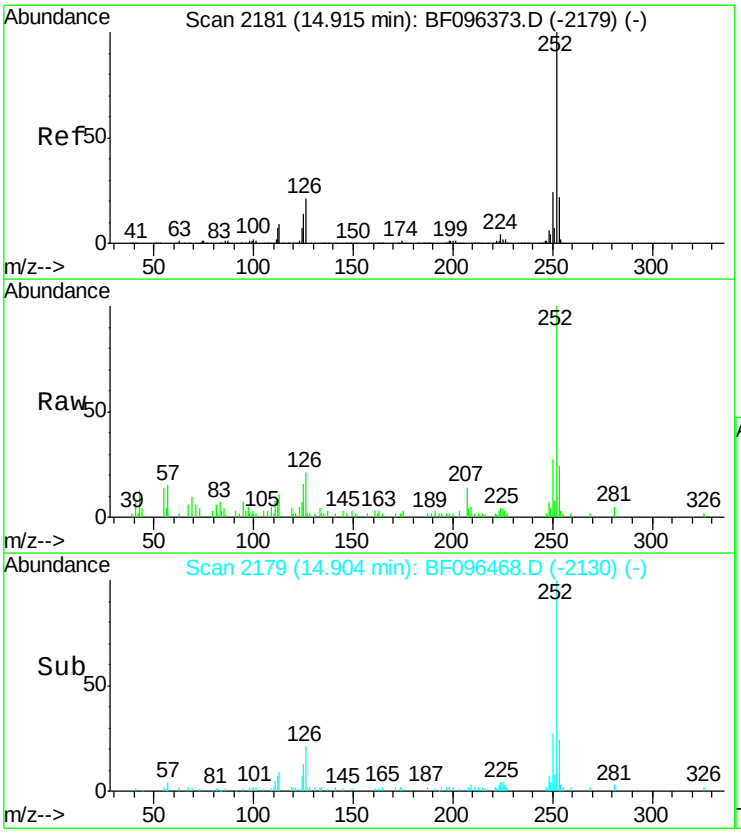
7/5/2017 11:42:18 AM

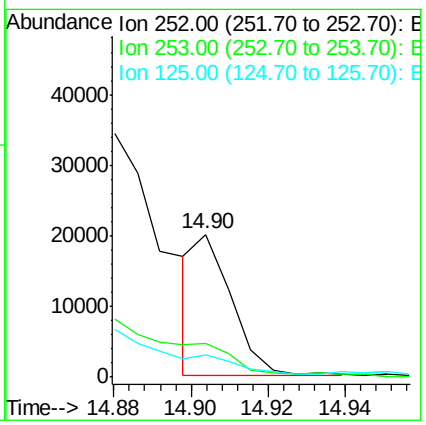


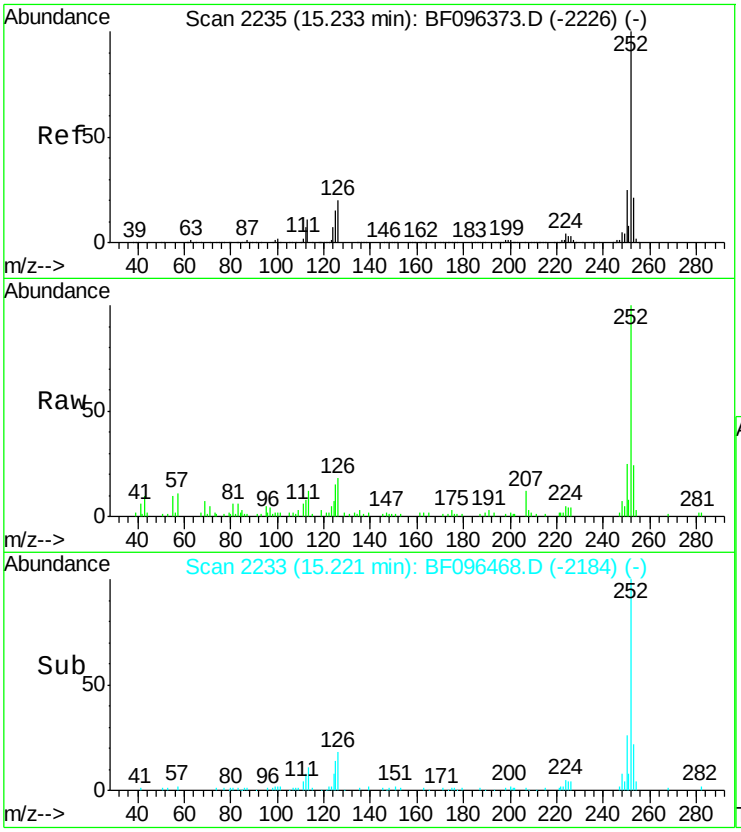


#88
Benzo(k)fluoranthene
Concen: 2.059 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:252 Resp: 13234

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.4	27.6
125	15.6	13.1	19.7

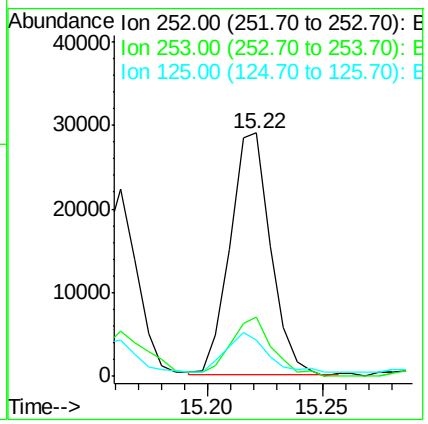




#89
Benzo(a)pyrene
Concen: 5.509 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:252 Resp: 35347

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	15.1	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
E2-Q5-SSW

Manual Integrations APPROVED
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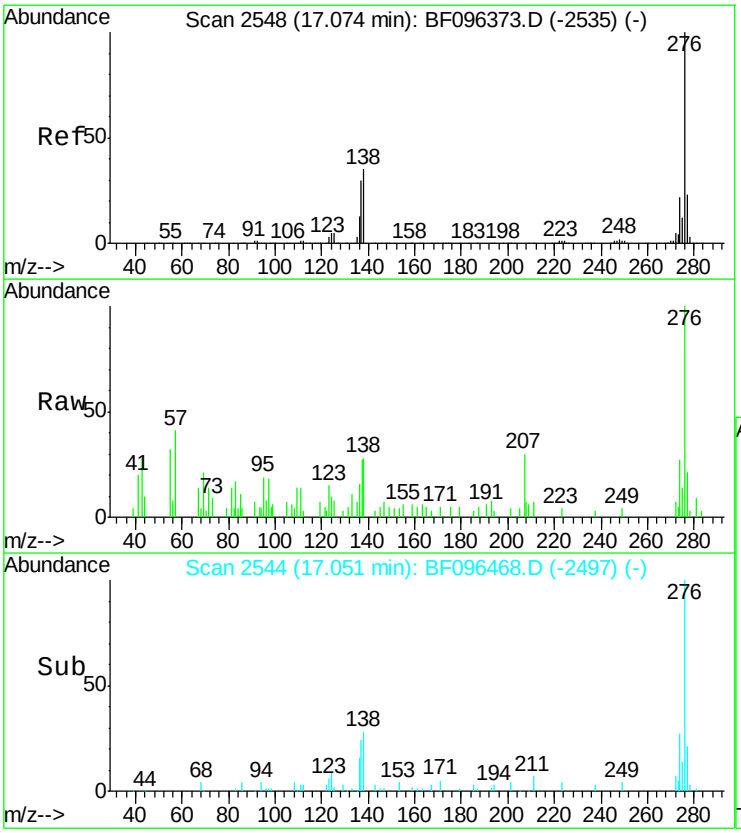

#91
Benzo(g,h,i)perylene
Concen: 3.714 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.02 min
Lab File: BF096468.D
Acq: 4 Jul 2017 5:04

Tgt Ion:276 Resp: 19425

Ion	Ratio	Lower	Upper
276	100		
277	20.7	18.6	28.0
138	28.1	25.4	38.0