Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071217\
Data File : BF096715.D
Acq On : 13 Jul 2017 3:05
Operator : SJ/JU
Sample : I4130-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-HS3-NSW

Manual Integrations APPROVED
mohammad
7/13/2017 1:38:17 PM

Quant Time: Jul 13 04:11:44 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 07 13:02:33 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	126691	20.00	ng		-0.04
21) Naphthalene-d8	7.95	136	507109	20.00	ng		-0.04
38) Acenaphthene-d10	9.70	164	212047	20.00	ng		-0.04
63) Phenanthrene-d10	11.17	188	319545	20.00	ng		-0.04
75) Chrysene-d12	13.81	240	212695	20.00	ng		-0.04
86) Perylene-d12	15.20	264	191562	20.00	ng		-0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.28	112	733248	85.42	ng		-0.03
7) Phenol-d6	6.31	99	1025434	97.18	ng		-0.04
23) Nitrobenzene-d5	7.23	82	601800	71.31	ng		-0.04
41) 2,4,6-Tribromophenol	10.49	330	152192	91.88	ng		-0.04
44) 2-Fluorobiphenyl	9.03	172	927267	74.77	ng		-0.04
78) Terphenyl-d14	12.76	244	499243	50.16	ng		-0.04
Target Compounds							Qvalue
10) Phenol	6.32	94	27917	2.322	ng		94
49) Dimethylphthalate	9.42	163	374006	23.627	ng		98
51) Acenaphthene	9.73	154	31852	2.409	ng		95
57) Fluorene	10.24	166	55265	4.482	ng		99
70) Phenanthrene	11.20	178	690688	39.985	ng		100
71) Anthracene	11.25	178	187346	10.643	ng		98
74) Fluoranthene	12.39	202	745814	44.037	ng		99
77) Pyrene	12.62	202	632058	37.022	ng		99
80) Benzo(a)anthracene	13.80	228	300841	24.425	ng		99
82) Chrysene	13.83	228	263378	20.420	ng		98
85) Indeno(1,2,3-cd)pyrene	16.53	276	106593	10.470	ng		92
87) Benzo(b)fluoranthene	14.81	252	303007m	25.244	ng		
88) Benzo(k)fluoranthene	14.83	252	95670m	8.910	ng		
89) Benzo(a)pyrene	15.14	252	211862	19.770	ng	#	95
90) Dibenzo(a,h)anthracene	16.53	278	28069	3.329	ng	#	83
91) Benzo(g,h,i)perylene	16.92	276	80029	9.161	ng		98

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071217\
Data File : BF096715.D
Acq On : 13 Jul 2017 3:05
Operator : SJ/JU
Sample : I4130-16
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jul 13 04:11:44 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF070117.M
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QLast Update : Fri Jul 07 13:02:33 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

Manual Integrations APPROVED
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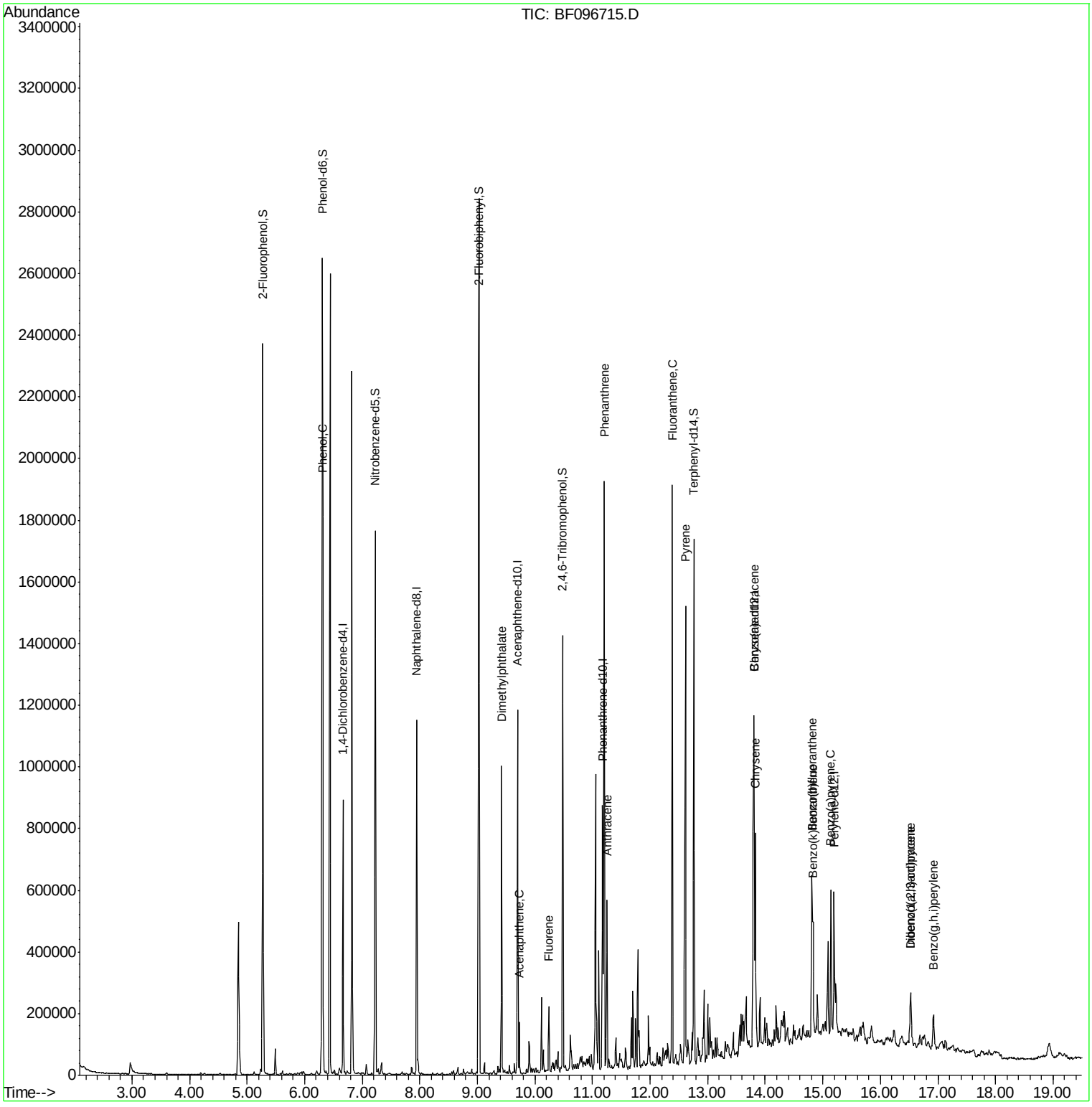
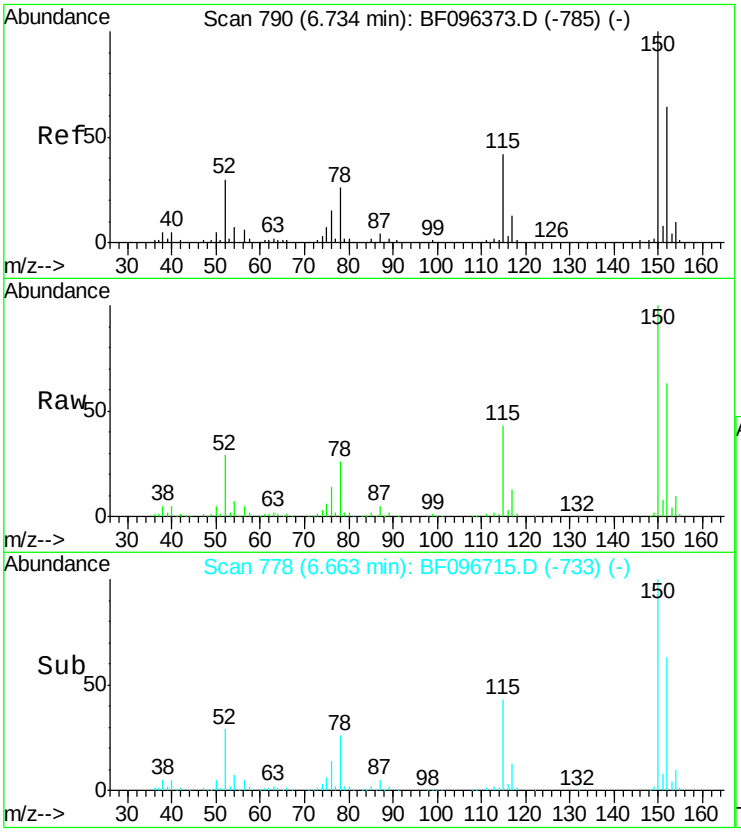
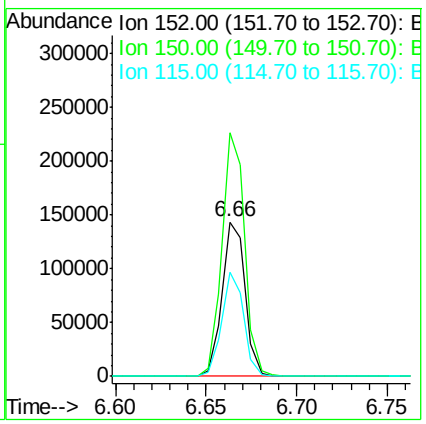




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:152 Resp: 126691

Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.2	189.2
115	67.2	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

Manual Integrations APPROVED
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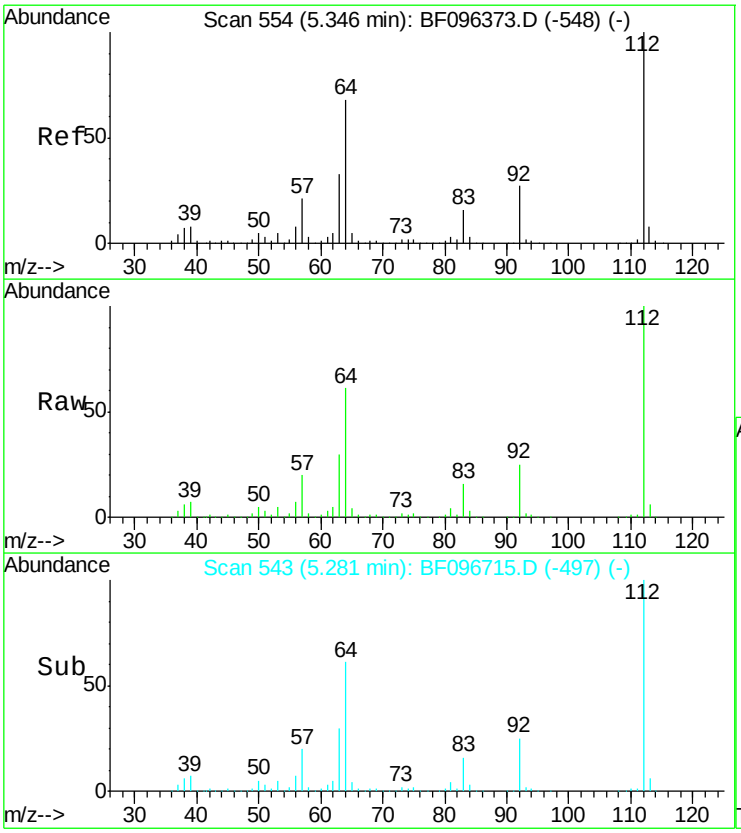
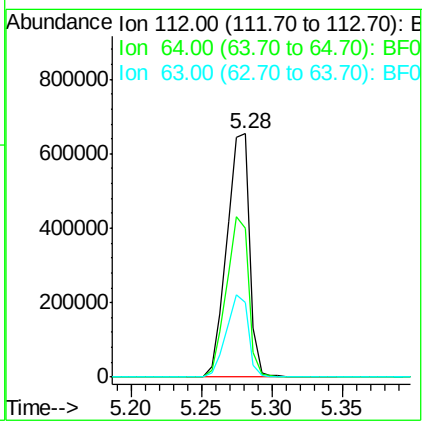
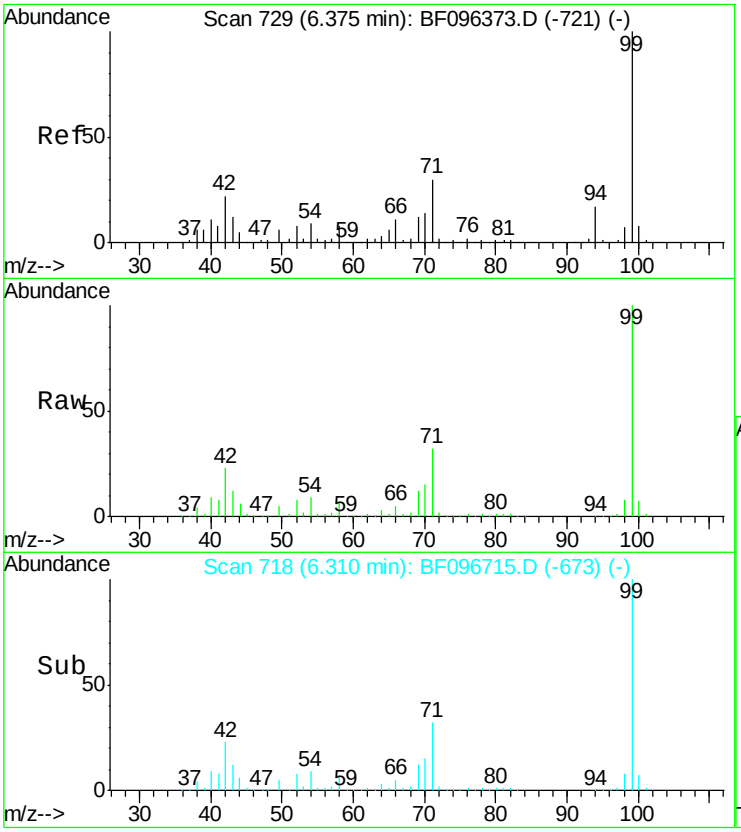


#5
2-Fluorophenol
Concen: 85.425 ng
RT: 5.28 min Scan# 543
Delta R.T. -0.03 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:112 Resp: 733248

Ion	Ratio	Lower	Upper
112	100		
64	61.2	46.0	69.0
63	30.5	23.4	35.0

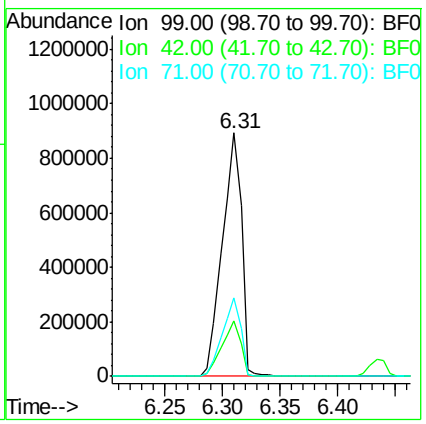




#7
Phenol-d6
Concen: 97.176 ng
RT: 6.31 min Scan# 718
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion: 99 Resp: 1025434

Ion	Ratio	Lower	Upper
99	100		
42	23.0	13.5	20.3#
71	32.0	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

Manual Integrations APPROVED
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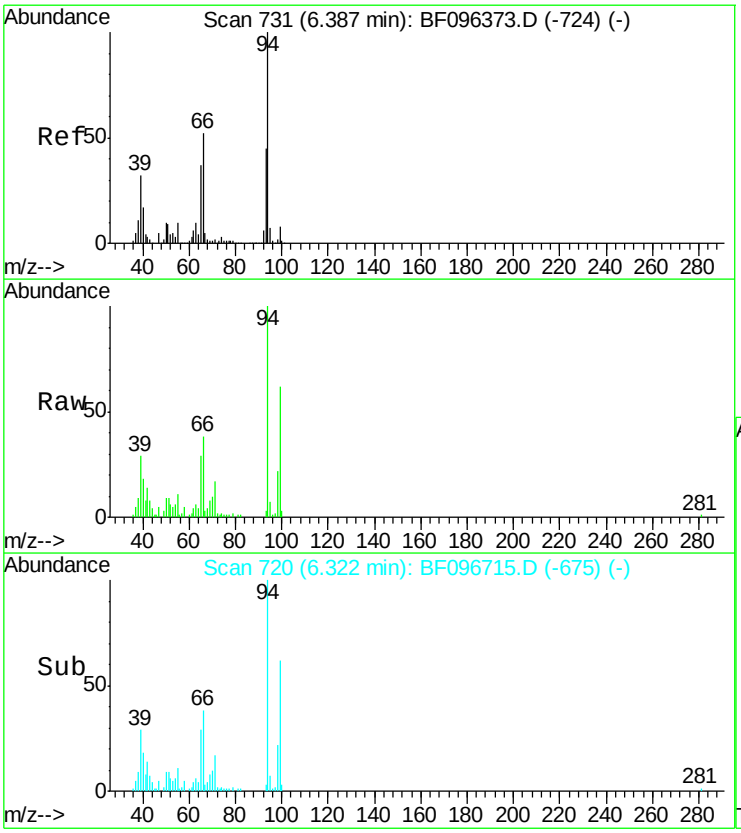
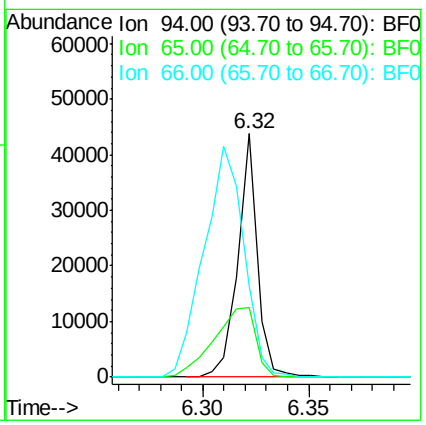
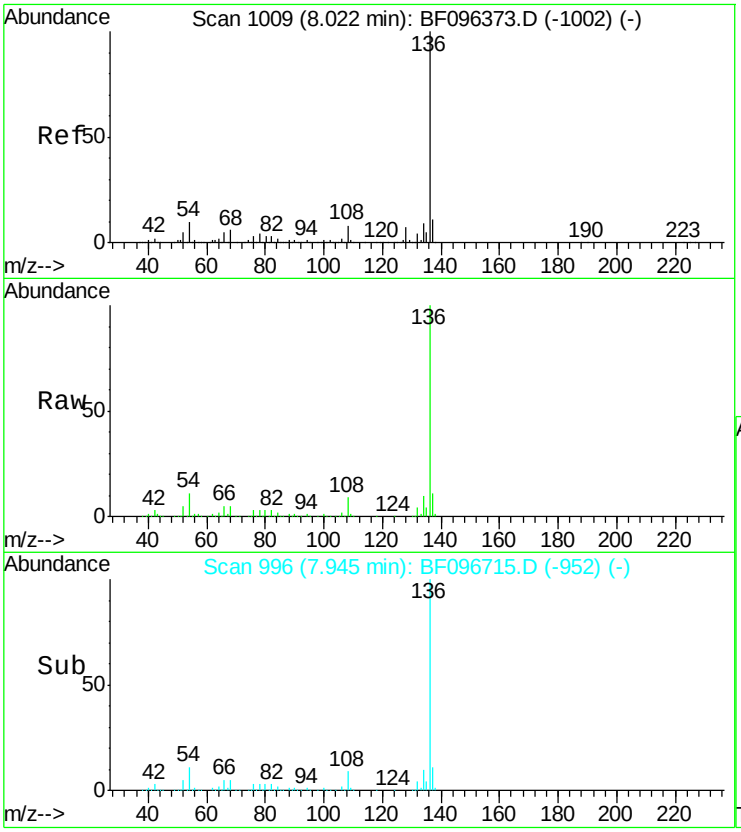


#10
Phenol
Concen: 2.322 ng
RT: 6.32 min Scan# 720
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion: 94 Resp: 27917

Ion	Ratio	Lower	Upper
94	100		
65	28.7	9.9	49.9
66	37.5	23.1	63.1

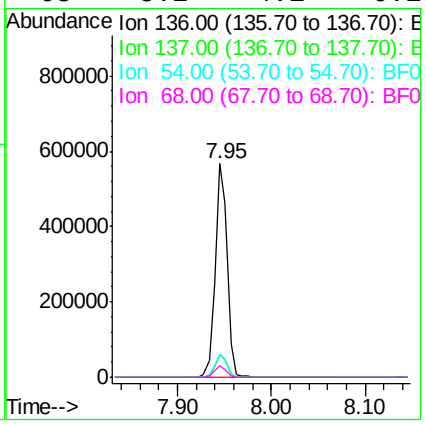




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:136 Resp: 507109

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	11.1	4.9	7.3#
68	5.2	4.1	6.1



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

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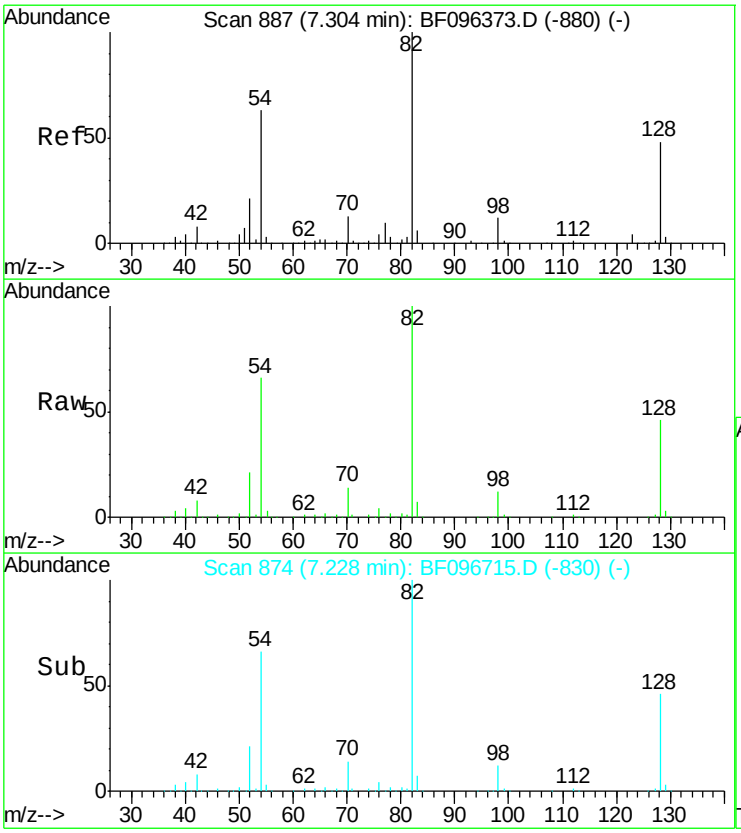
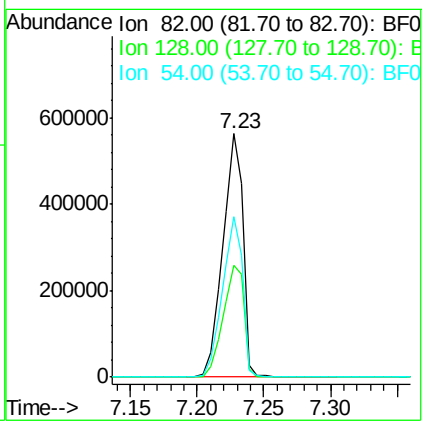
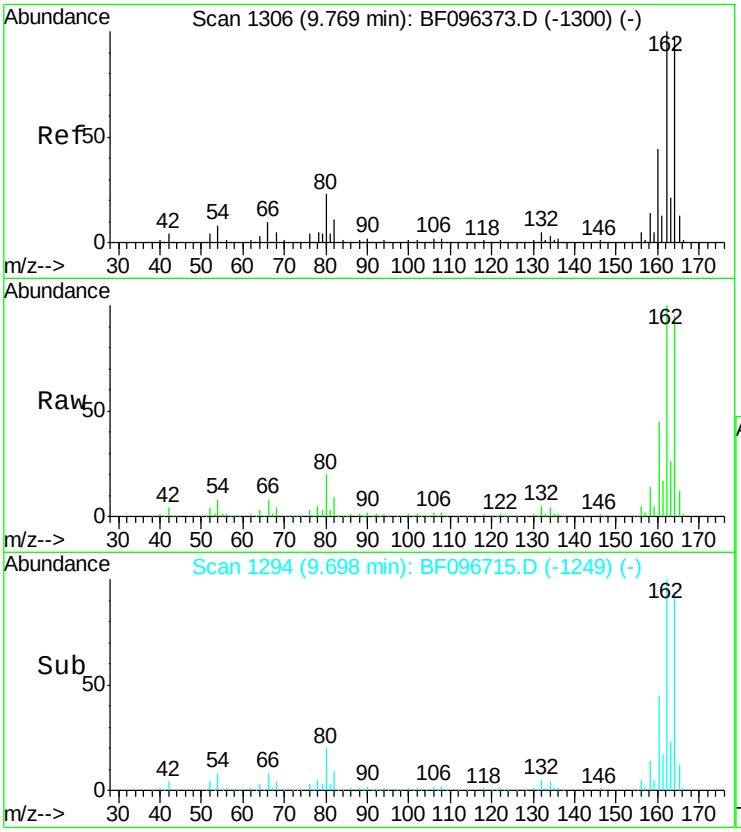


#23
Nitrobenzene-d5
Concen: 71.311 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion: 82 Resp: 601800

Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.0	51.0
54	65.7	42.2	63.2#

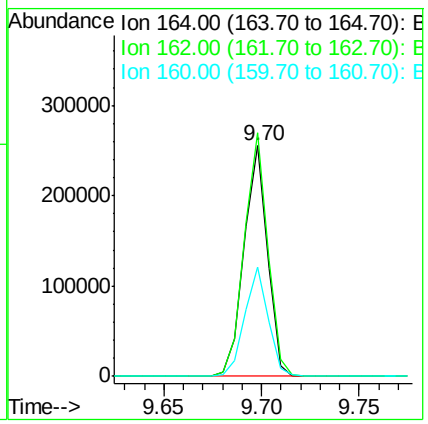




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:164 Resp: 212047

Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.6	123.8
160	47.6	36.2	54.2



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

Manual Integrations APPROVED
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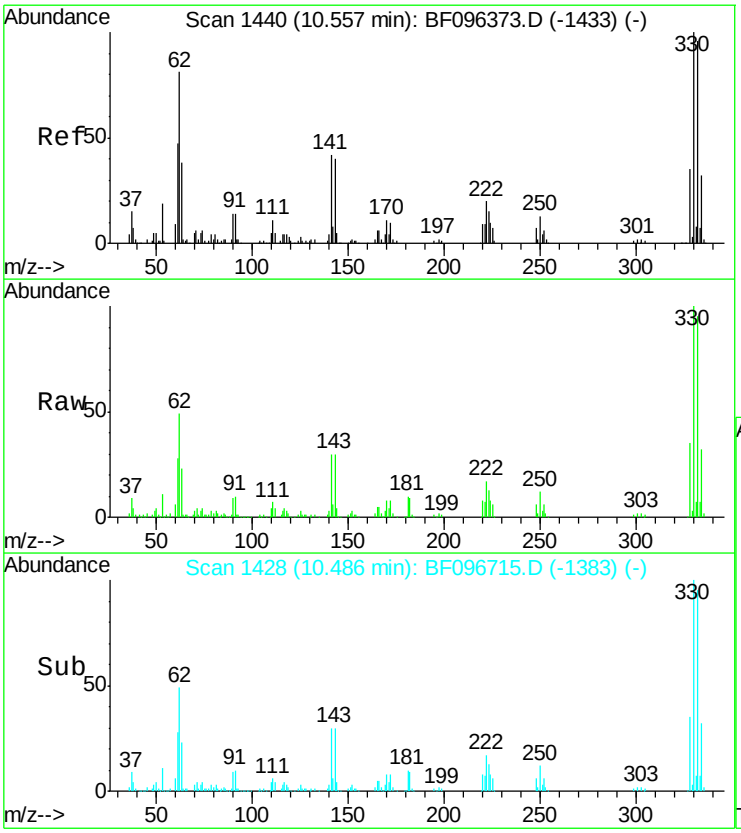
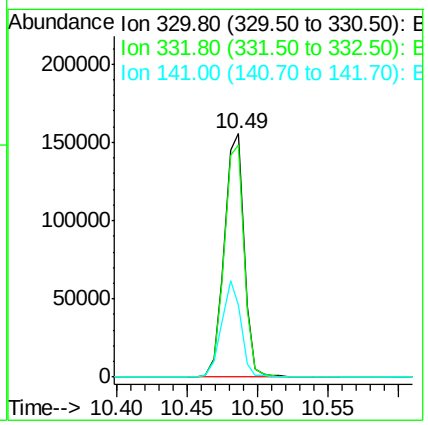
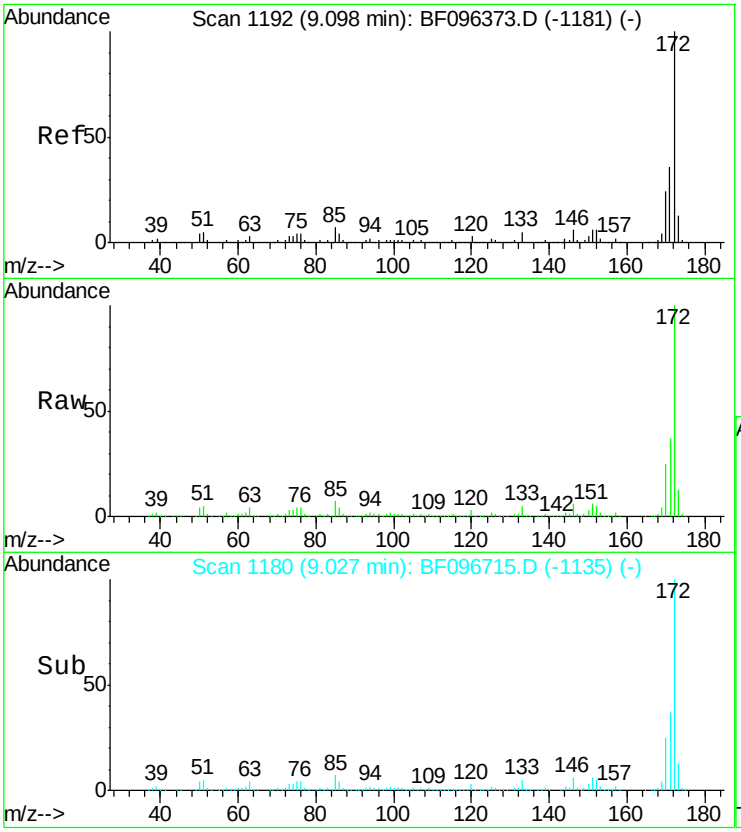


#41
2,4,6-Tribromophenol
Concen: 91.884 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:330 Resp: 152192

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	38.7	31.4	47.2

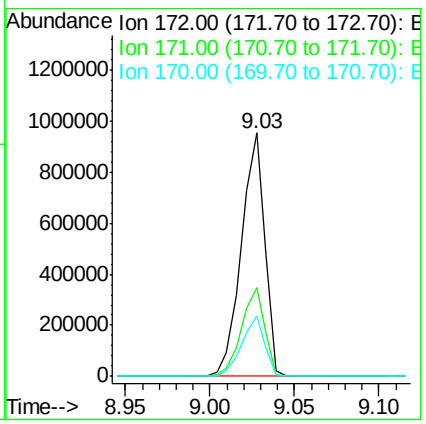




#44
2-Fluorobiphenyl
Concen: 74.767 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:172 Resp: 927267

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.6	44.4
170	24.8	19.8	29.8



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

Manual Integrations APPROVED
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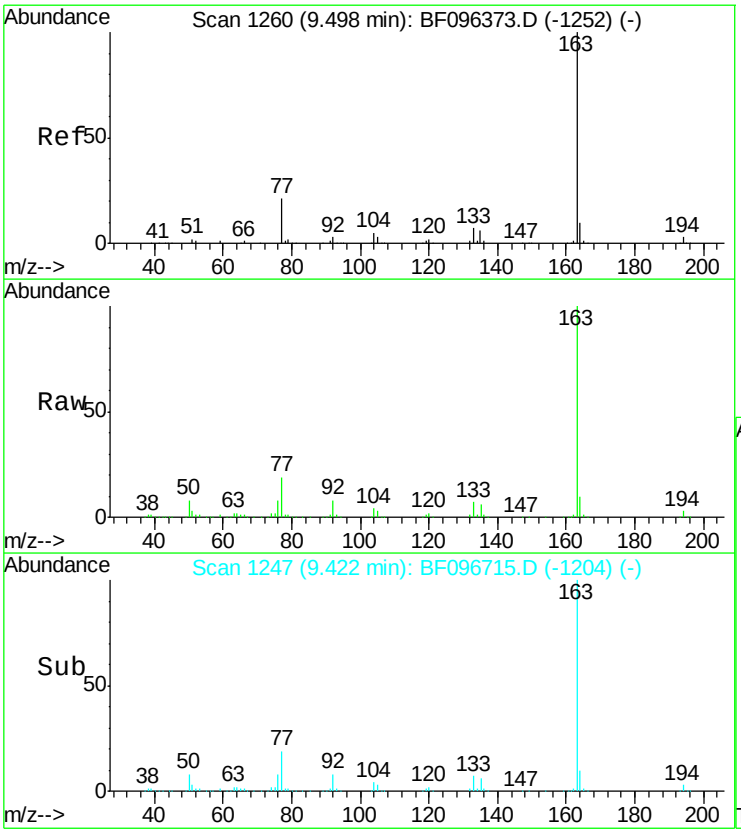
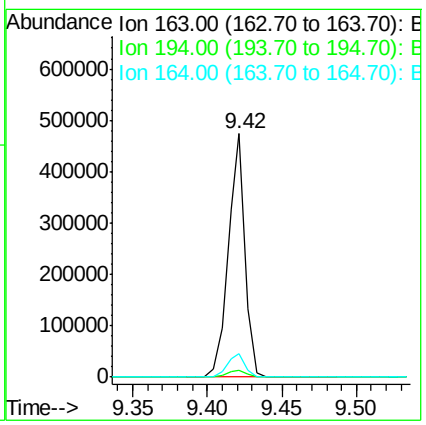
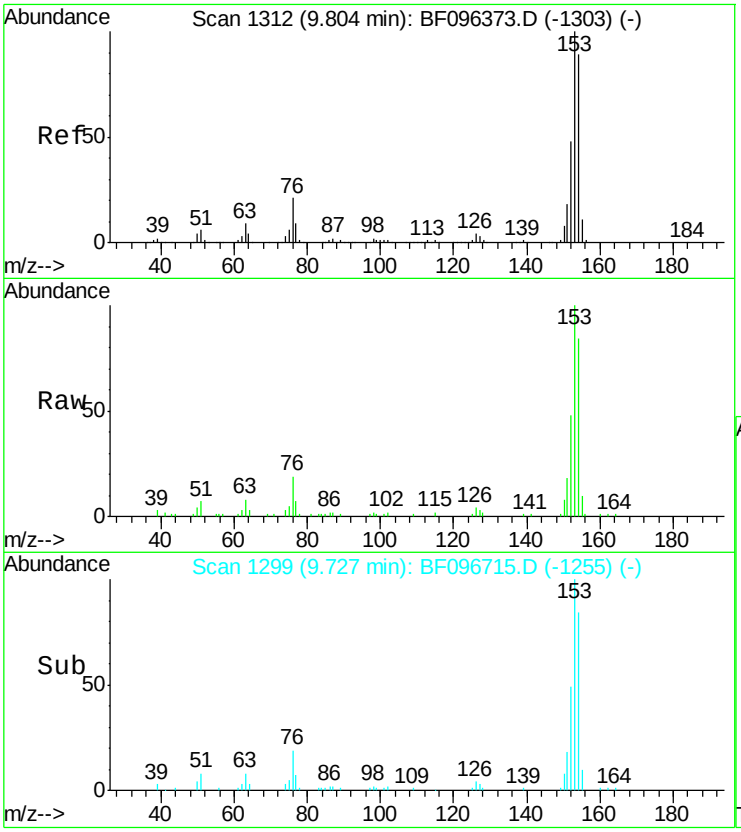


#49
Dimethylphthalate
Concen: 23.627 ng
RT: 9.42 min Scan# 1247
Delta R.T. -0.05 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:163 Resp: 374006

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	9.7	8.4	12.6

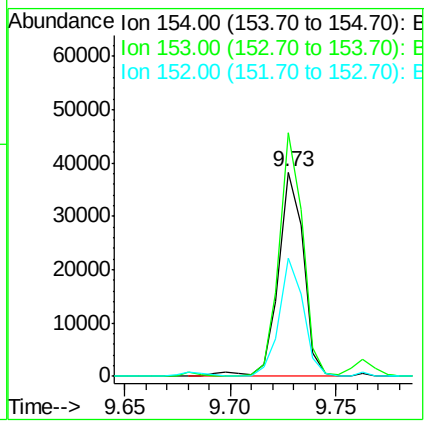




#51
Acenaphthene
Concen: 2.409 ng
RT: 9.73 min Scan# 1299
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:154 Resp: 31852

Ion	Ratio	Lower	Upper
154	100		
153	119.2	90.5	135.7
152	57.6	43.6	65.4



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

Manual Integrations APPROVED
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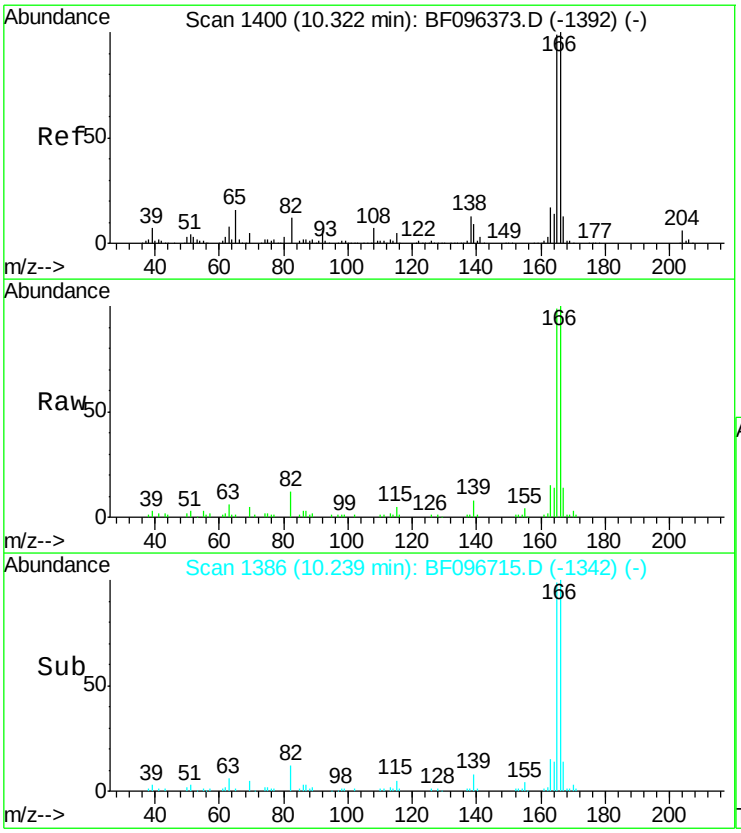
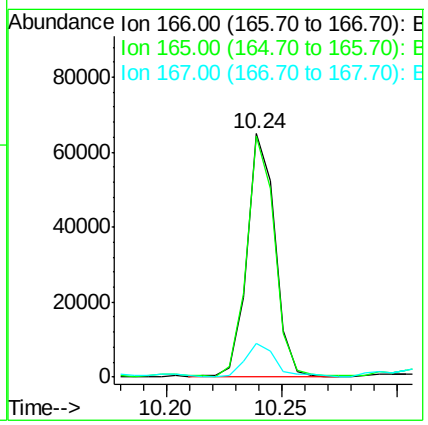
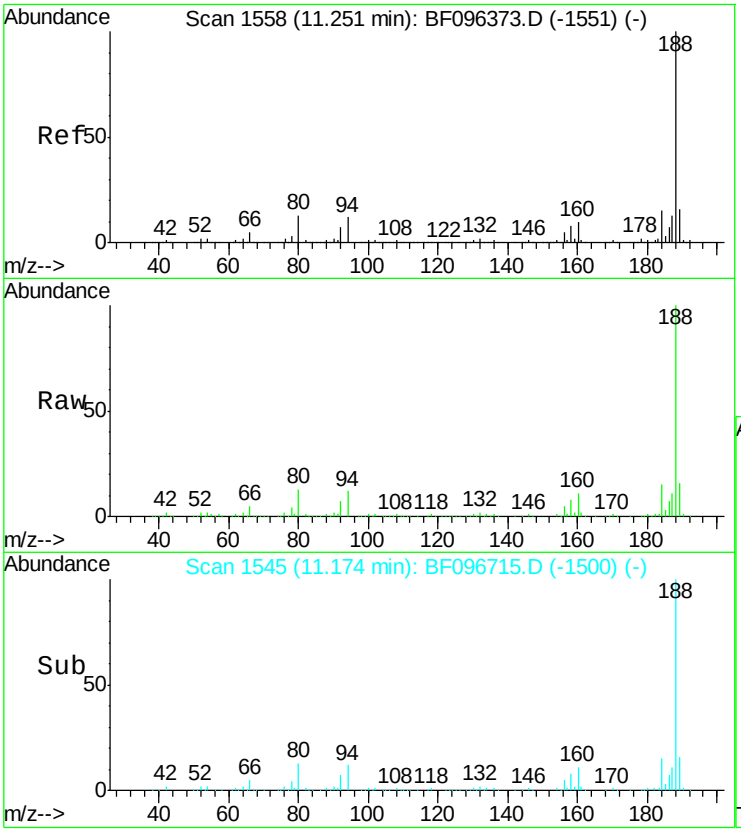


#57
Fluorene
Concen: 4.482 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:166 Resp: 55265

Ion	Ratio	Lower	Upper
166	100		
165	99.0	78.8	118.2
167	13.8	10.6	16.0

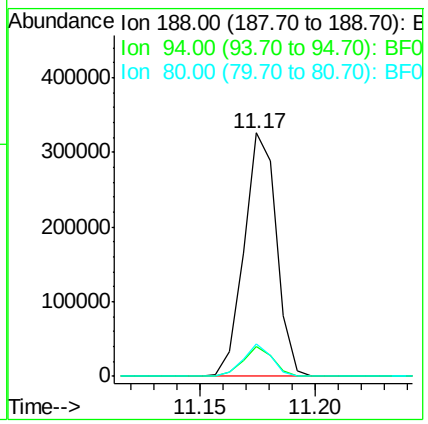




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:188 Resp: 319545

Ion	Ratio	Lower	Upper
188	100		
94	12.4	9.4	14.2
80	13.2	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

Manual Integrations APPROVED
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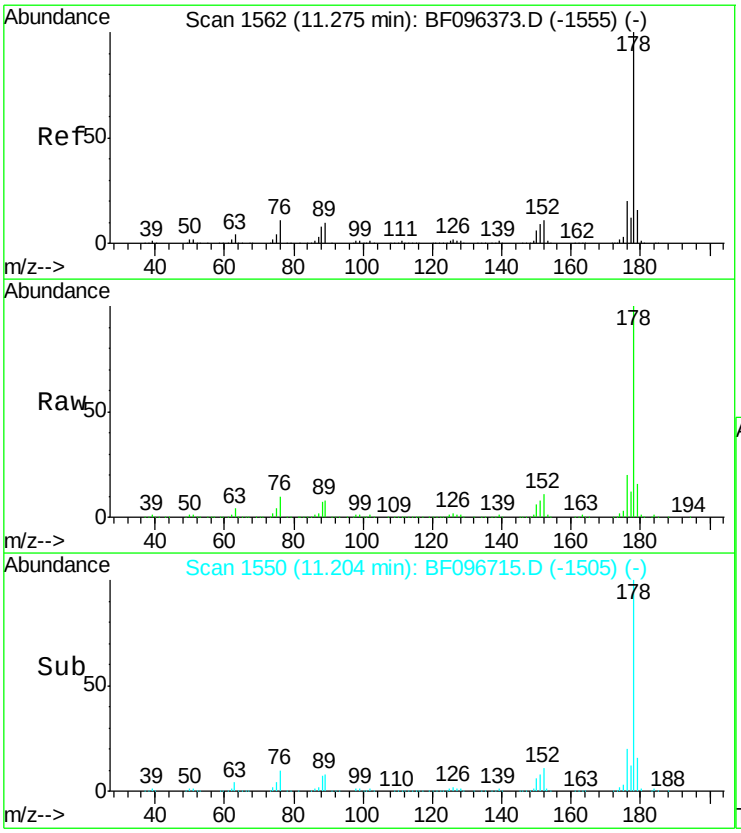
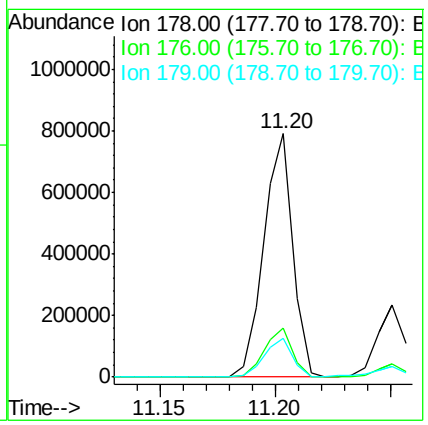
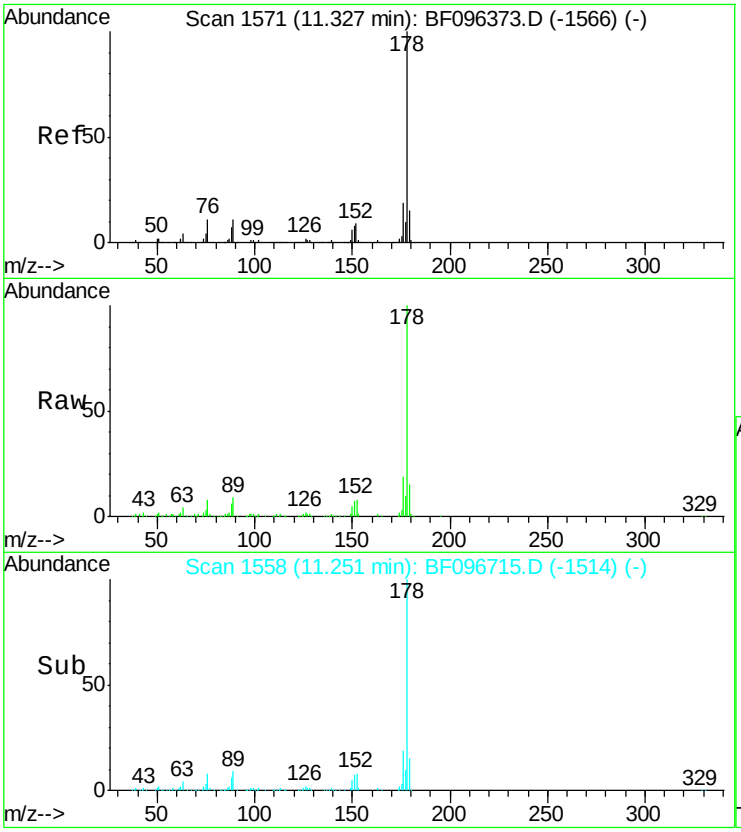


#70
Phenanthrene
Concen: 39.985 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:178 Resp: 690688

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.4
179	15.7	12.6	19.0

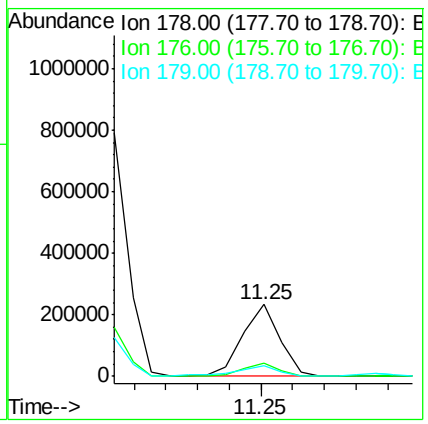




#71
Anthracene
Concen: 10.643 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:178 Resp: 187346

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.3	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

Manual Integrations APPROVED
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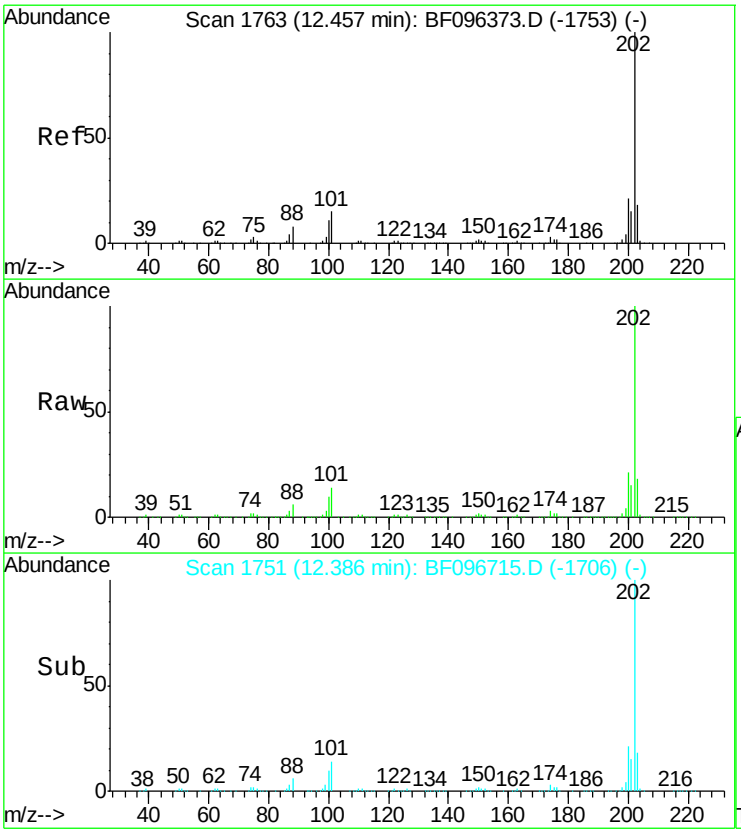
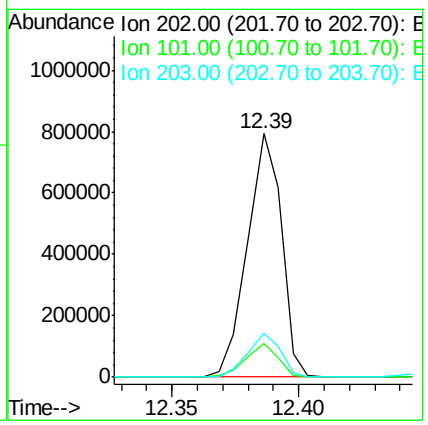
7/13/2017 1:38:17 PM

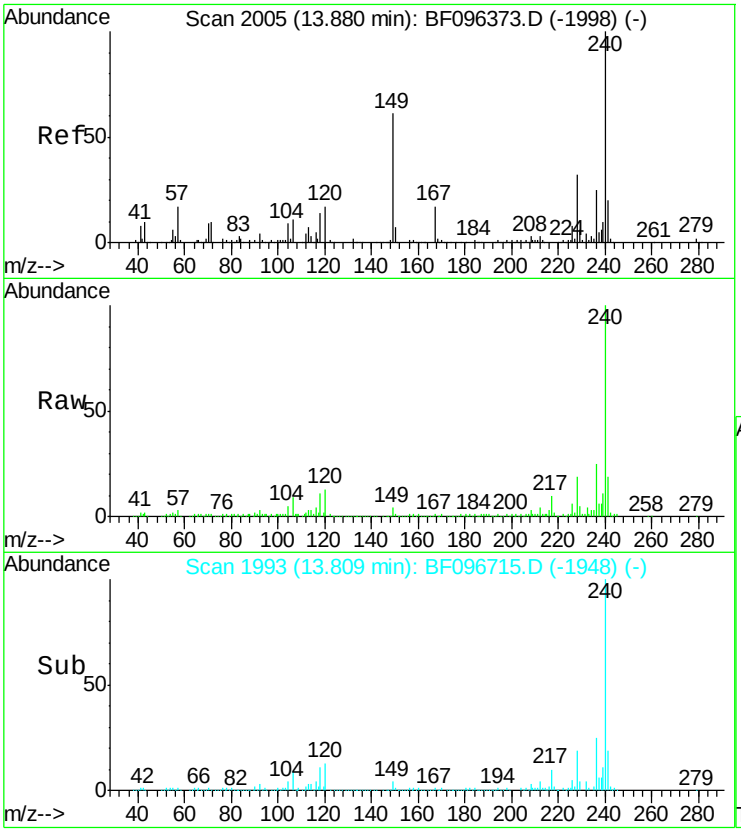


#74
Fluoranthene
Concen: 44.037 ng
RT: 12.39 min Scan# 1751
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:202 Resp: 745814

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.2
203	18.1	0.0	38.1

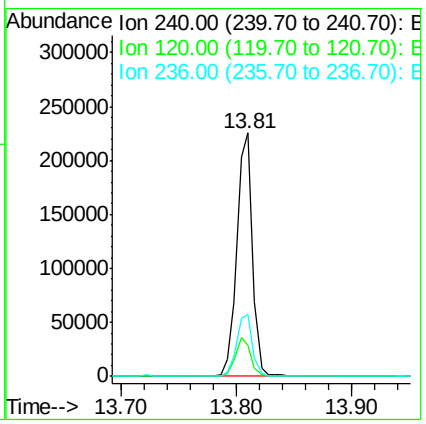




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:240 Resp: 212695

Ion	Ratio	Lower	Upper
240	100		
120	12.6	5.8	8.8#
236	25.5	20.5	30.7



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

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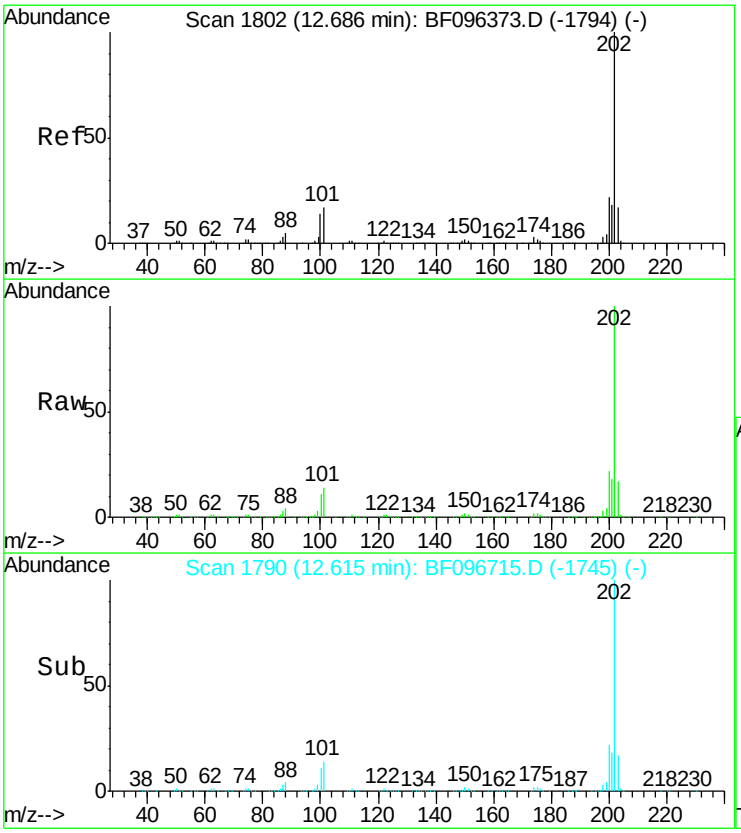
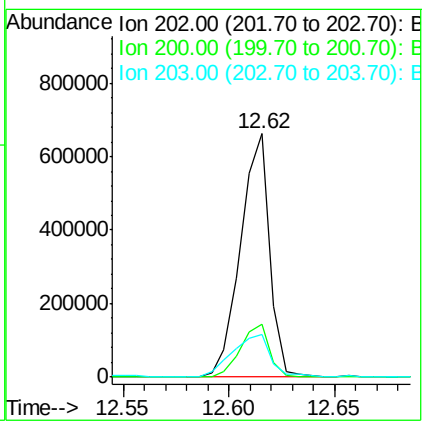
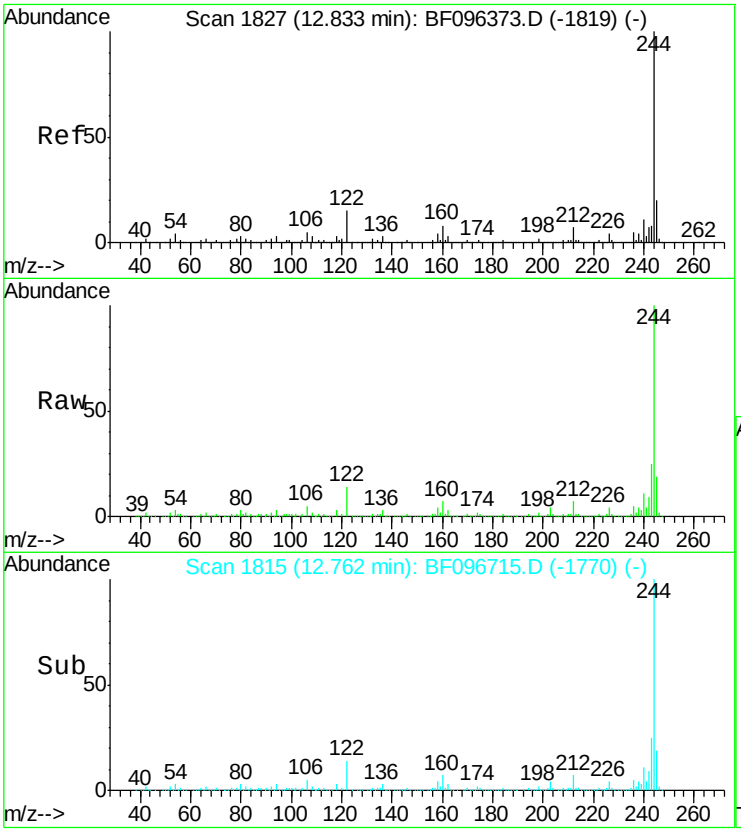


#77
Pyrene
Concen: 37.022 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:202 Resp: 632058

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	17.3	14.4	21.6

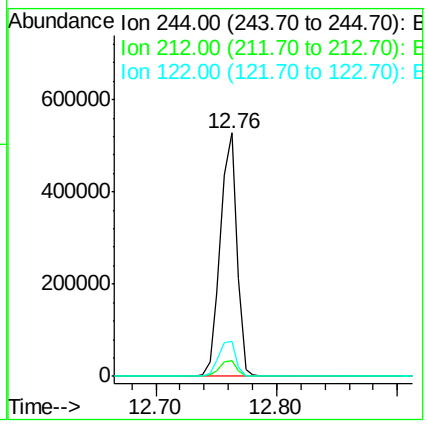




#78
Terphenyl-d14
Concen: 50.156 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:244 Resp: 499243

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	14.2	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

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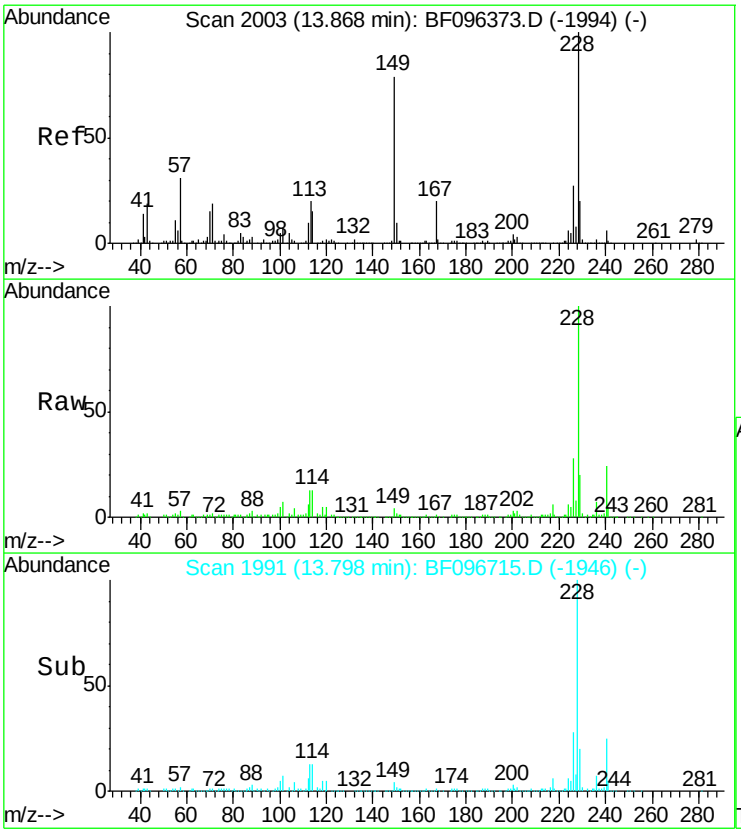
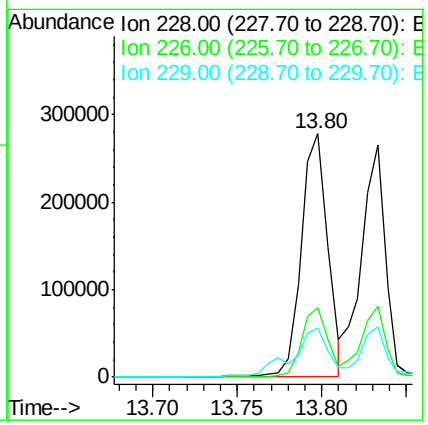
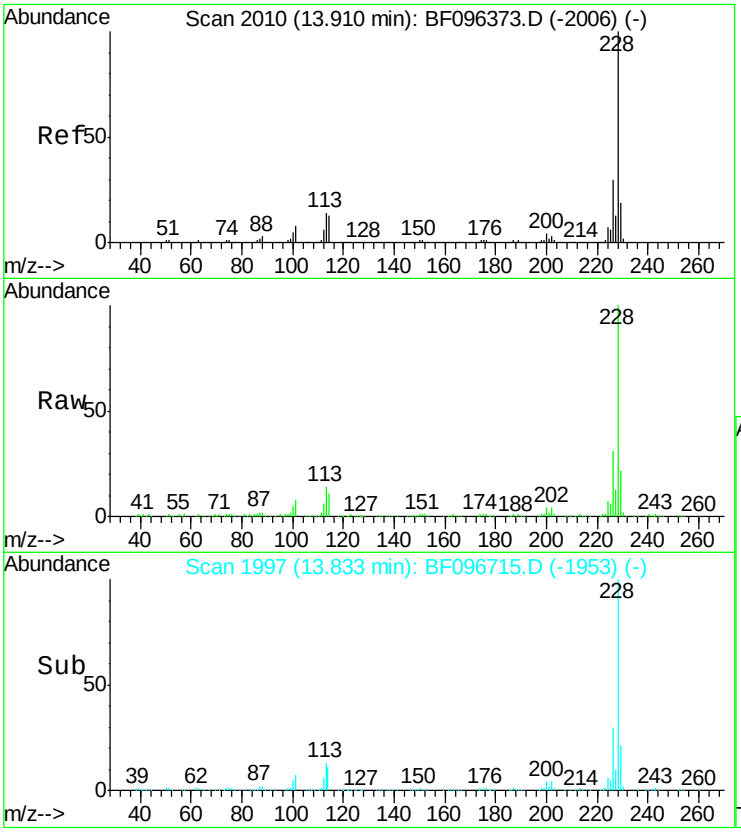


#80
Benzo(a)anthracene
Concen: 24.425 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:228 Resp: 300841

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	20.1	16.3	24.5

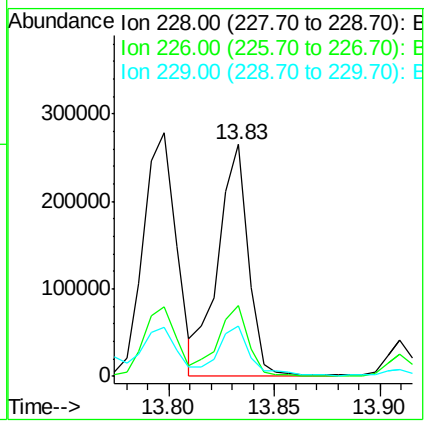




#82
Chrysene
Concen: 20.420 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:228 Resp: 263378

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	21.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

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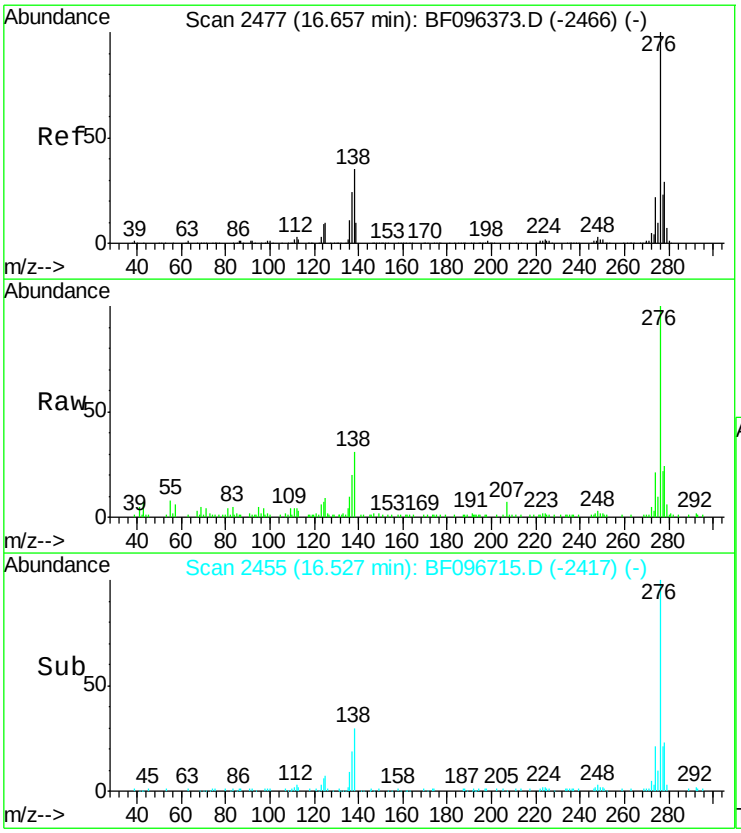
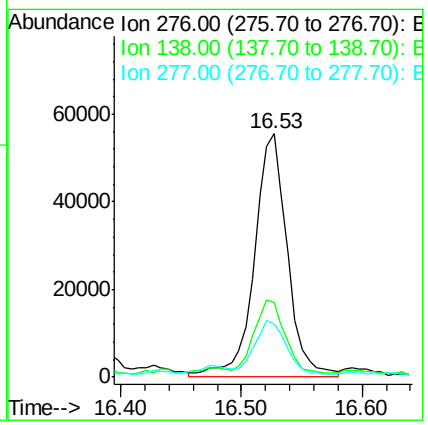
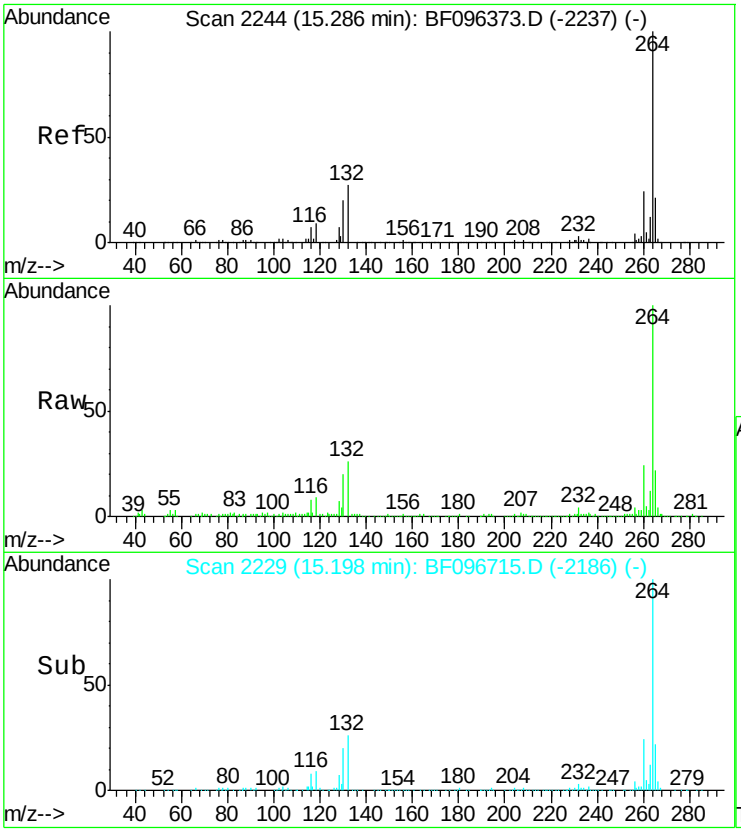


#85
Indeno(1,2,3-cd)pyrene
Concen: 10.470 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.08 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:276 Resp: 106593

Ion	Ratio	Lower	Upper
276	100		
138	29.8	27.8	41.6
277	22.0	20.2	30.4

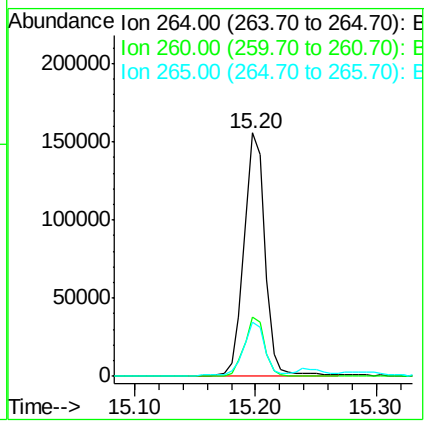




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.05 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:264 Resp: 191562

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.0	17.2	25.8



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

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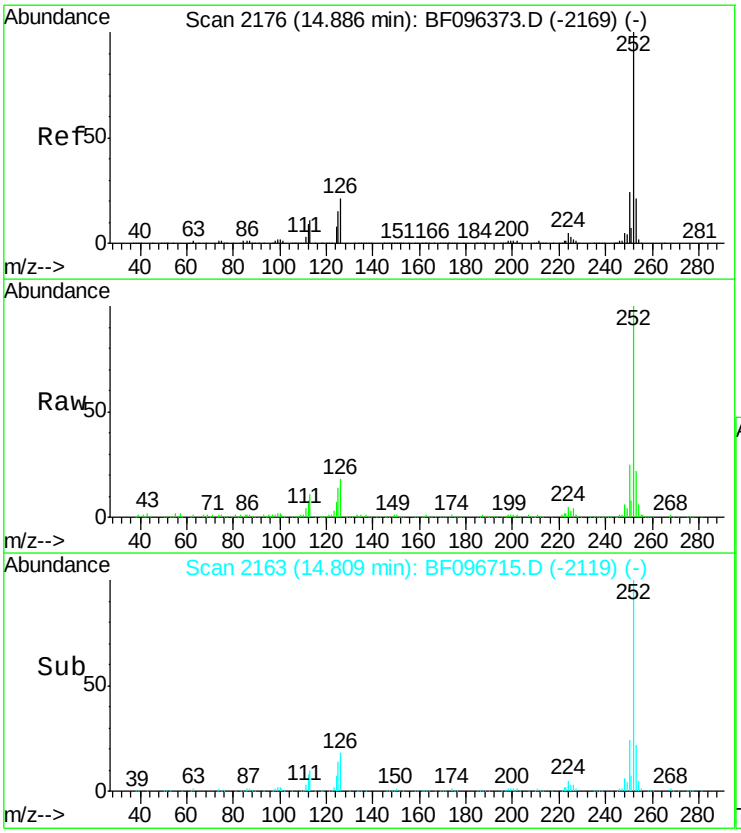
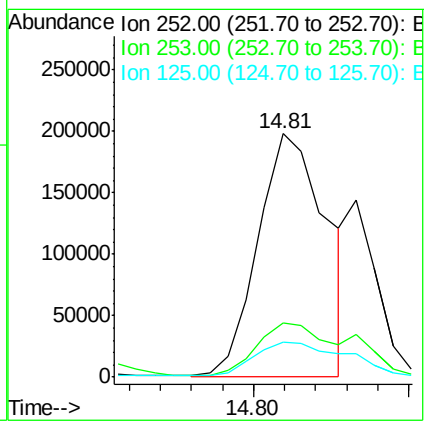
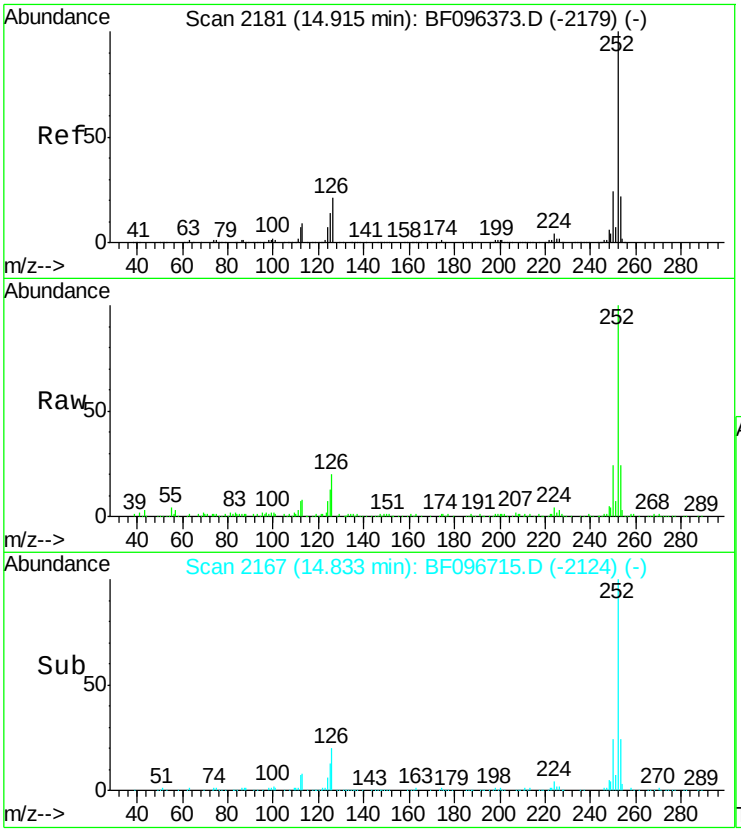


#87
Benzo(b)fluoranthene
Concen: 25.244 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.04 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:252 Resp: 303007

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	14.4	9.8	14.8





#88
Benzo(k)fluoranthene
Concen: 8.910 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.05 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:252 Resp: 95670

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	13.2	13.1	19.7

Instrument :
BNA_F
ClientSampleId :
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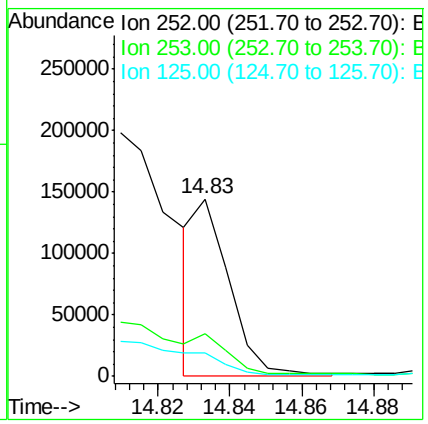
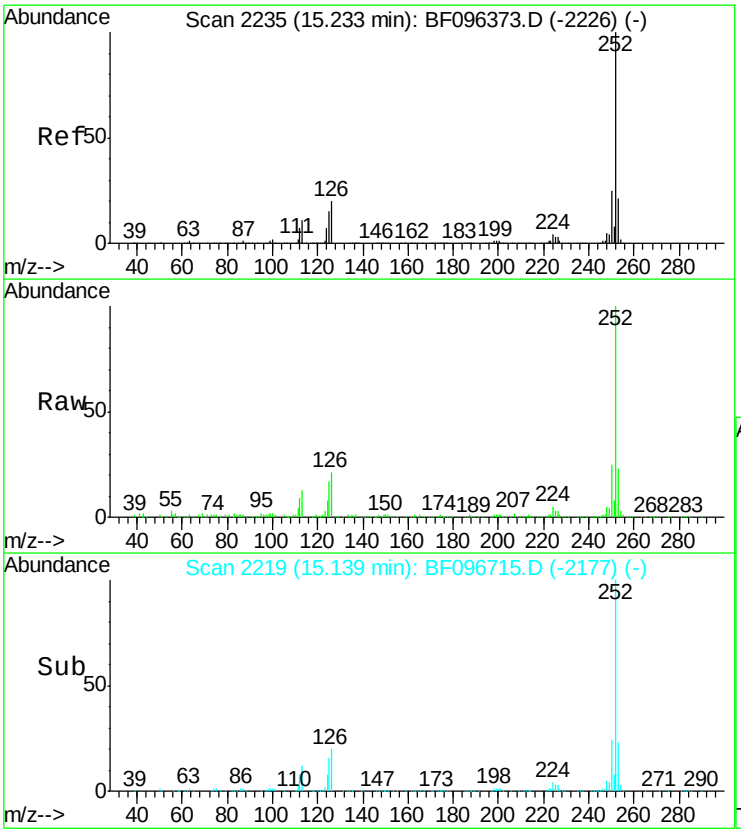
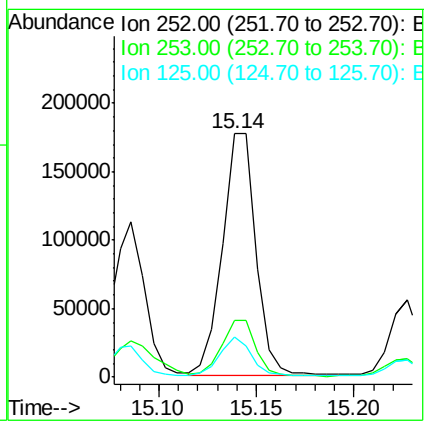


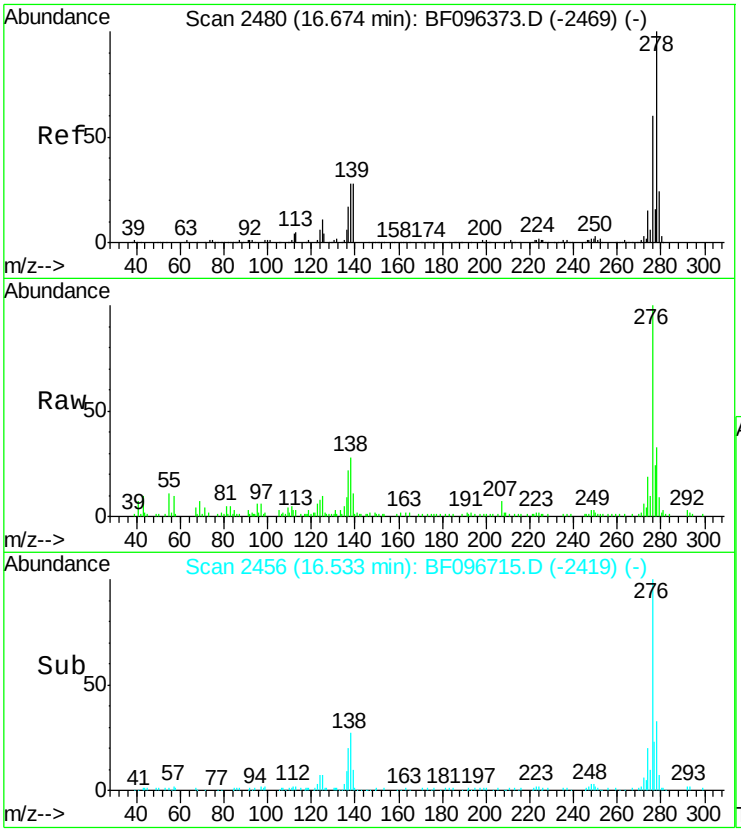


#89
Benzo(a)pyrene
Concen: 19.770 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.05 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:252 Resp: 211862

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	16.7	11.0	16.4#

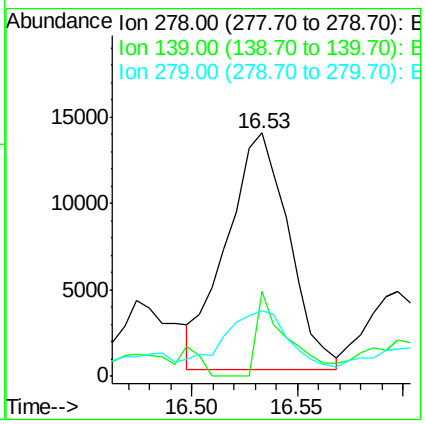




#90
Dibenzo(a,h)anthracene
Concen: 3.329 ng
RT: 16.53 min Scan# 2456
Delta R.T. -0.08 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:278 Resp: 28069

Ion	Ratio	Lower	Upper
278	100		
139	34.6	16.6	24.8#
279	27.0	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
E2-HS3-NSW

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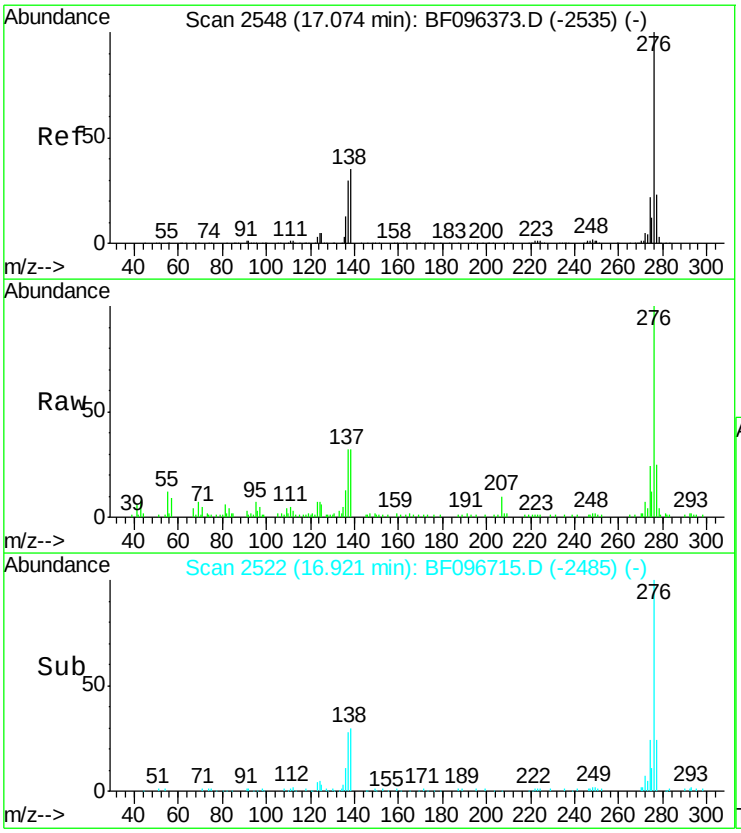

#91
Benzo(g,h,i)perylene
Concen: 9.161 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.08 min
Lab File: BF096715.D
Acq: 13 Jul 2017 3:05

Tgt Ion:276 Resp: 80029

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	31.8	25.4	38.0