Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
Data File : BF087620.D
Acq On : 1 Jun 2016 13:26
Operator : UM/SJ
Sample : H3190-22RE
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

Manual Integrations APPROVED
sohil
6/1/2016 6:35:01 PM

Quant Time: Jun 01 15:12:55 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 01 13:33:47 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	127127	20.00	ng		-0.01
21) Naphthalene-d8	9.47	136	504811	20.00	ng		0.00
38) Acenaphthene-d10	12.30	164	207980	20.00	ng		-0.01
63) Phenanthrene-d10	14.70	188	318712	20.00	ng		-0.01
75) Chrysene-d12	18.42	240	252917	20.00	ng		0.00
86) Perylene-d12	20.10	264	198965	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	978654	135.27	ng		0.01
7) Phenol-d6	7.02	99	1294543	132.42	ng		0.00
23) Nitrobenzene-d5	8.36	82	871651	87.02	ng		-0.01
41) 2,4,6-Tribromophenol	13.60	330	210733	105.44	ng		-0.01
44) 2-Fluorobiphenyl	11.25	172	1272824	86.28	ng		-0.01
78) Terphenyl-d14	17.06	244	849655	71.42	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	12.07	152	130831	6.17	ng		97
49) Dimethylphthalate	11.94	163	394849	23.70	ng		100
70) Phenanthrene	14.74	178	472697	26.78	ng		98
71) Anthracene	14.83	178	183624	10.30	ng		98
72) Carbazole	15.14	167	72843	4.79	ng		97
74) Fluoranthene	16.51	202	1093818	61.79	ng		95
77) Pyrene	16.82	202	1189832	65.36	ng		99
80) Benzo(a)anthracene	18.41	228	619912	43.09	ng		93
82) Chrysene	18.46	228	705229	49.39	ng		98
85) Indeno(1,2,3-cd)pyrene	21.33	276	227893	19.91	ng	#	88
87) Benzo(b)fluoranthene	19.69	252	761414m	60.08	ng		
88) Benzo(k)fluoranthene	19.70	252	316266m	28.99	ng		
89) Benzo(a)pyrene	20.05	252	367545	33.53	ng		96
90) Dibenzo(a,h)anthracene	21.33	278	77321m	8.27	ng		
91) Benzo(g,h,i)perylene	21.68	276	193739	21.00	ng	#	93

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

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BNA_F
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CHS-STA-1690(0-4)RE

Manual Integrations APPROVED
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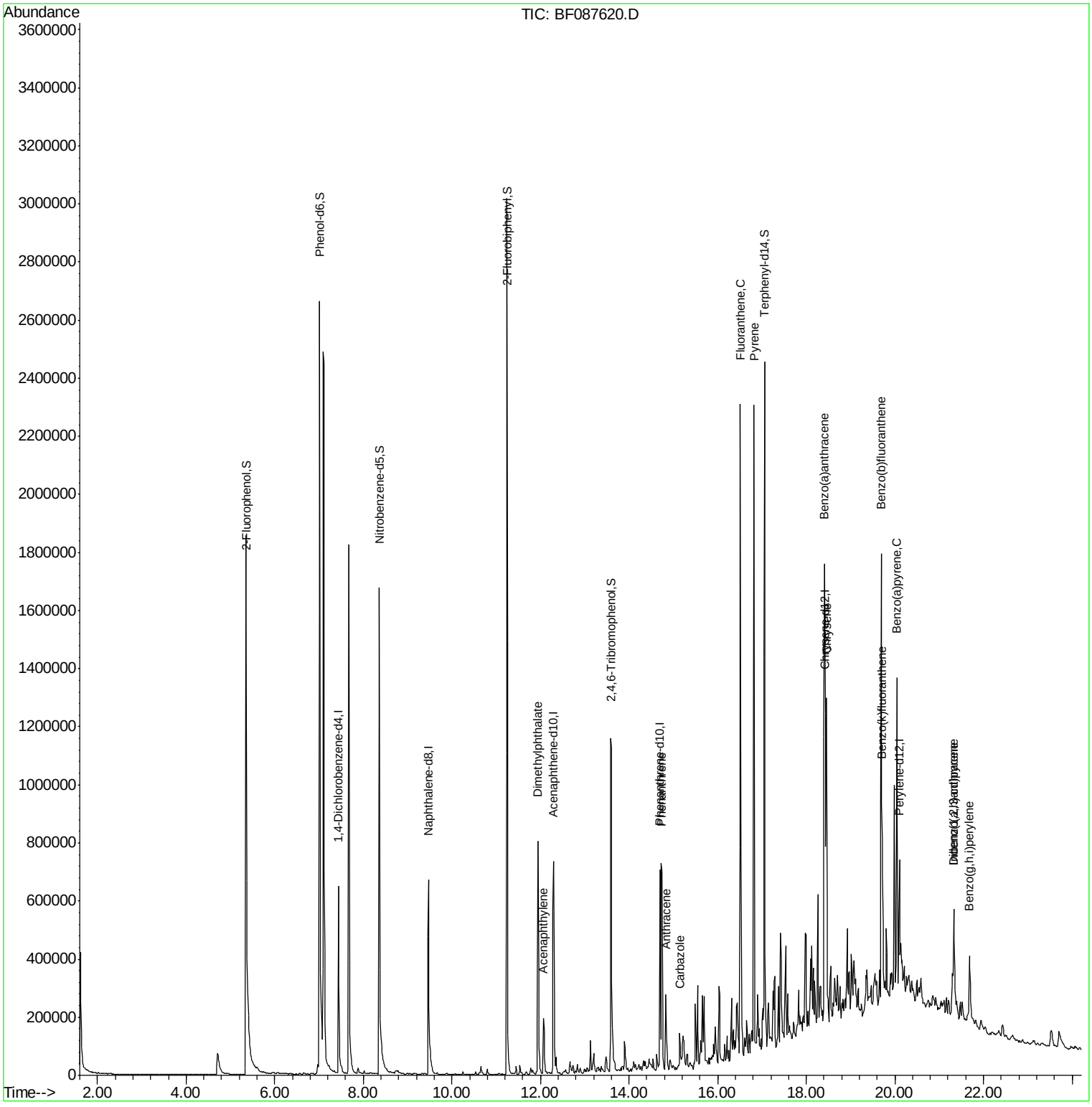
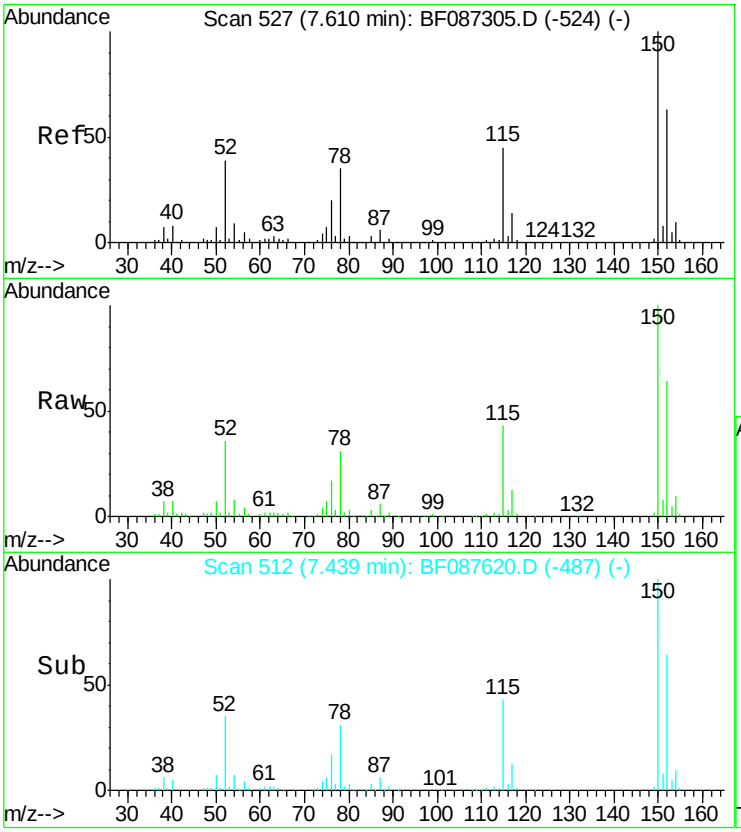
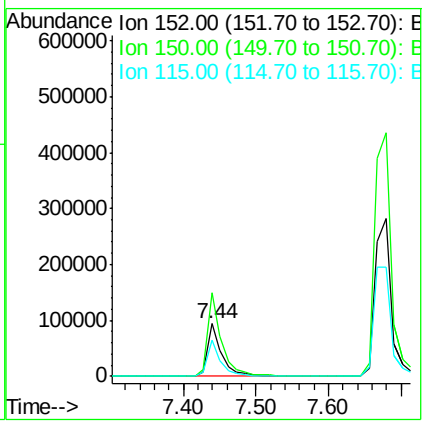




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.44 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:152 Resp: 127127

Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.8	188.6
115	67.5	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

Manual Integrations APPROVED
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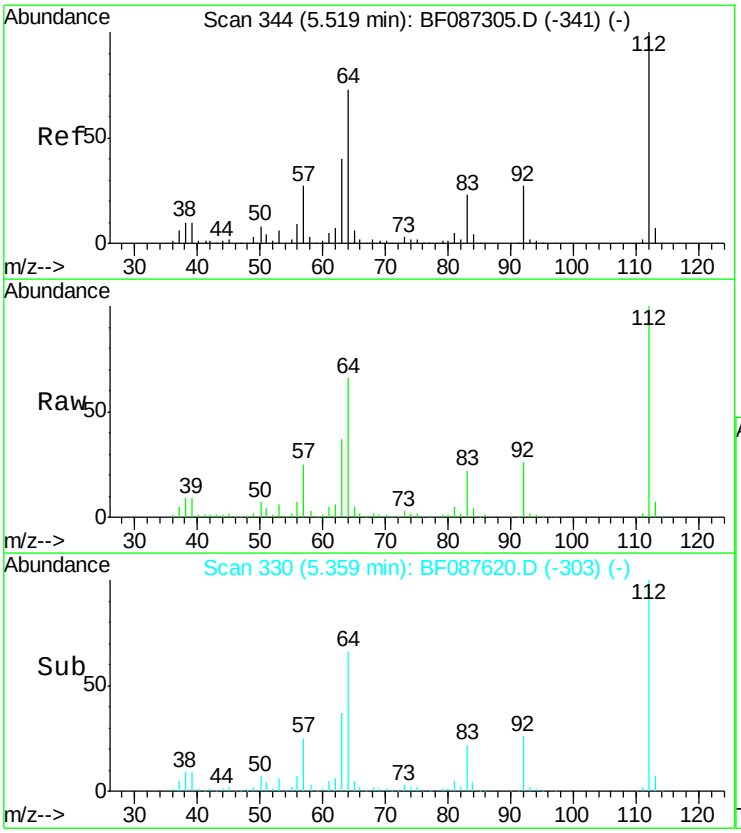
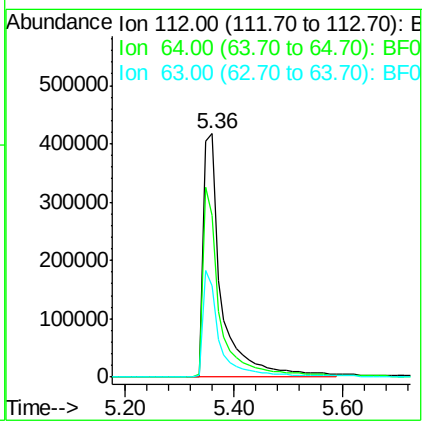
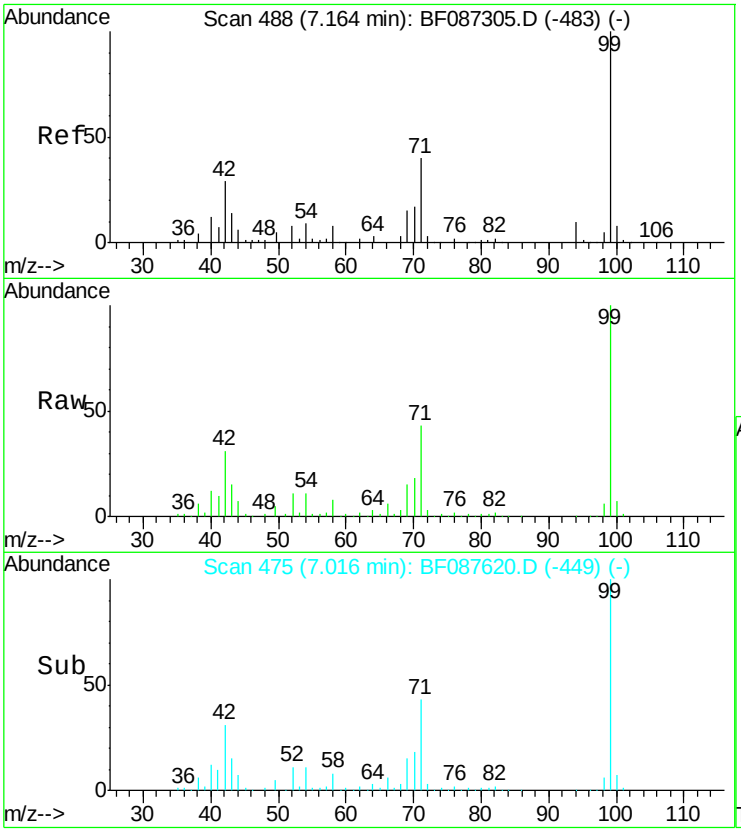


#5
2-Fluorophenol
Concen: 135.27 ng
RT: 5.36 min Scan# 330
Delta R.T. 0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:112 Resp: 978654

Ion	Ratio	Lower	Upper
112	100		
64	66.3	52.1	78.1
63	37.4	25.7	38.5

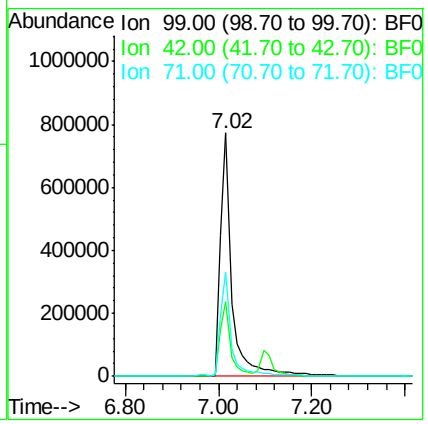




#7
Phenol-d6
Concen: 132.42 ng
RT: 7.02 min Scan# 475
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion: 99 Resp: 1294543

Ion	Ratio	Lower	Upper
99	100		
42	30.9	13.6	20.4#
71	42.5	24.6	36.8#



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

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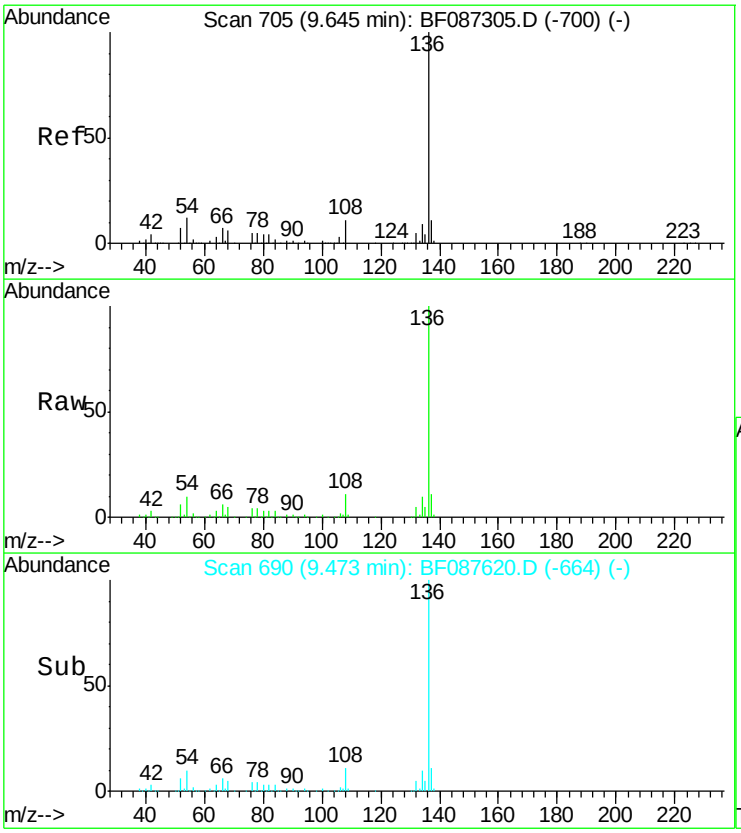
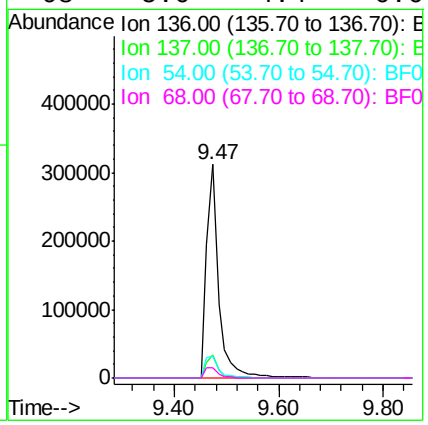
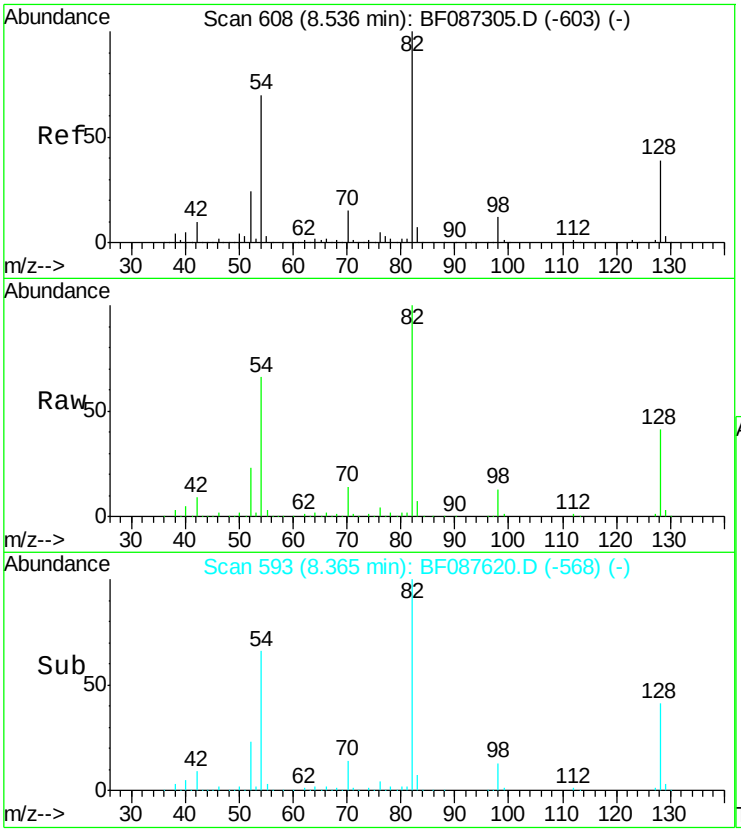


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.47 min Scan# 690
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:136 Resp: 504811

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	10.3	5.0	7.4#
68	5.0	4.4	6.6

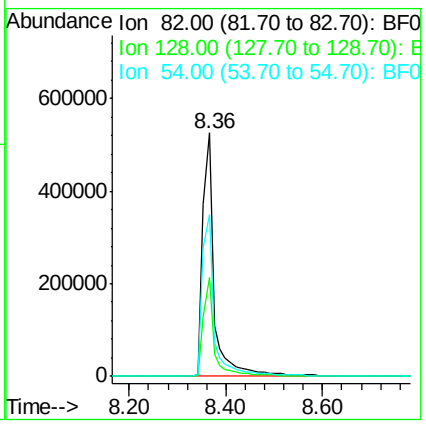




#23
Nitrobenzene-d5
Concen: 87.02 ng
RT: 8.36 min Scan# 593
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion: 82 Resp: 871651

Ion	Ratio	Lower	Upper
82	100		
128	40.7	40.6	61.0
54	66.3	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

Manual Integrations APPROVED
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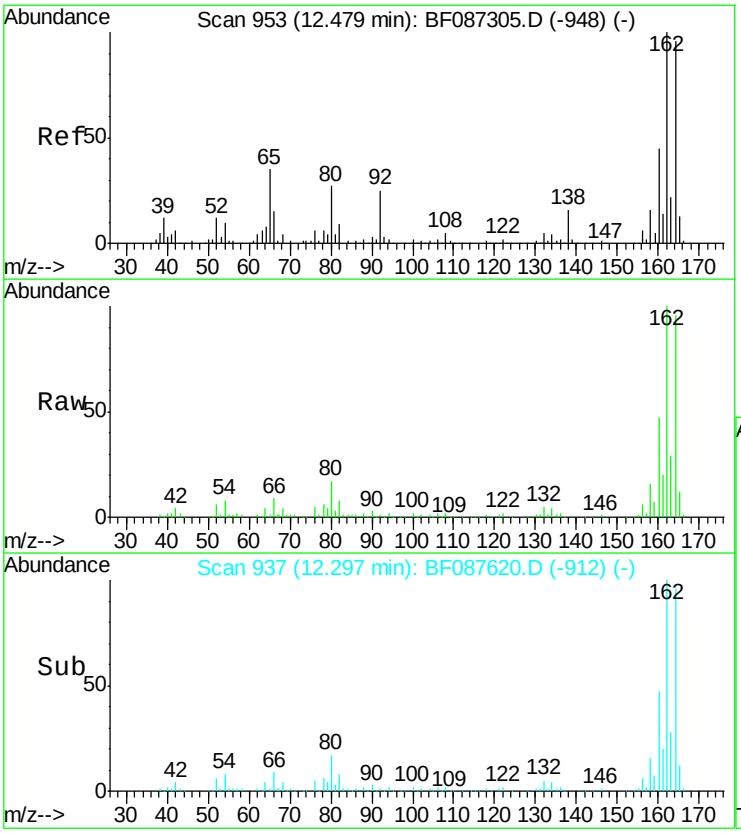
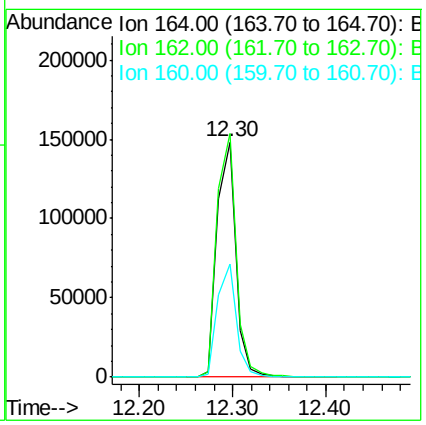
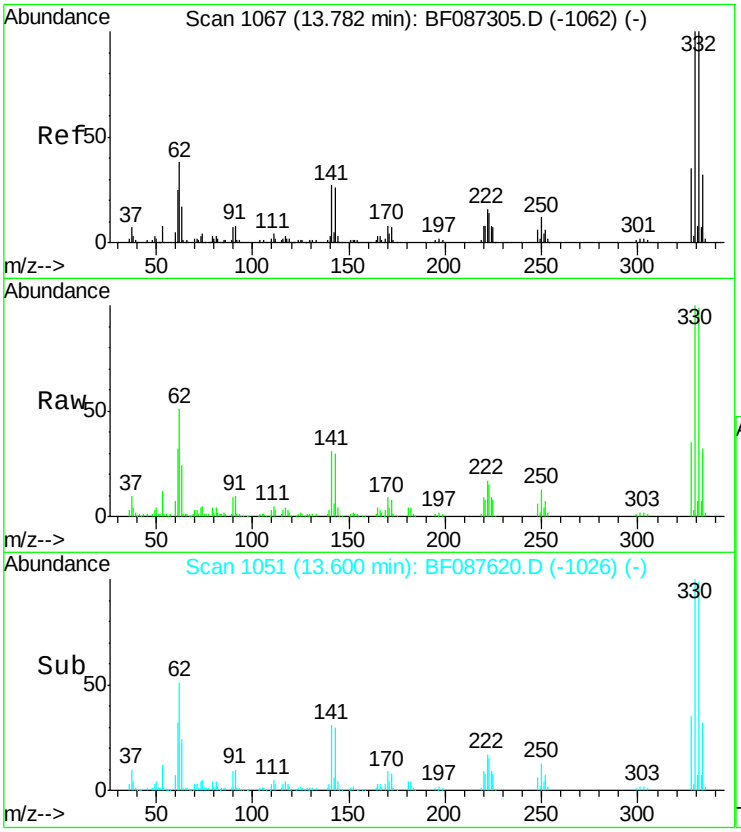


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.30 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:164 Resp: 207980

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.8	124.2
160	48.3	36.9	55.3

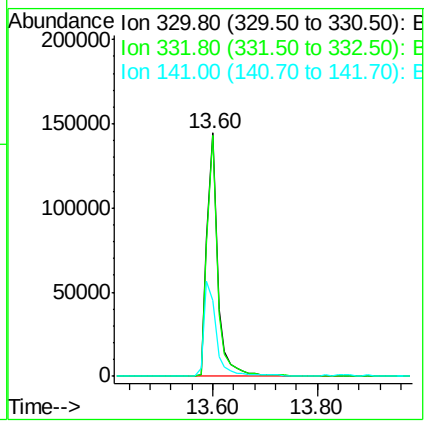




#41
2,4,6-Tribromophenol
Concen: 105.44 ng
RT: 13.60 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:330 Resp: 210733

Ion	Ratio	Lower	Upper
330	100		
332	97.1	79.0	118.4
141	44.9	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

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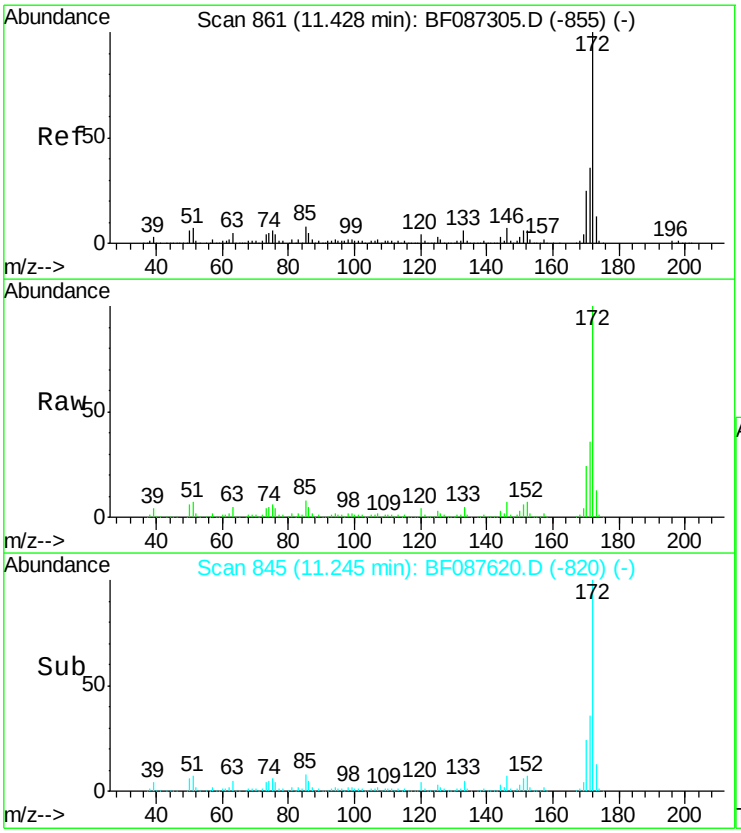
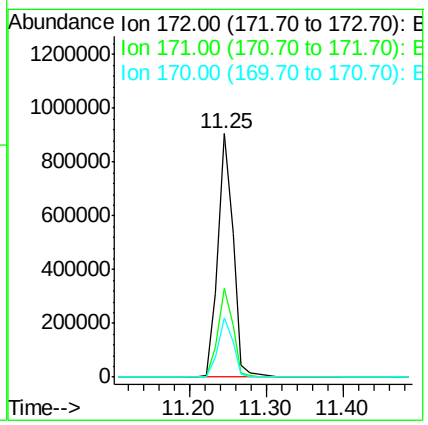
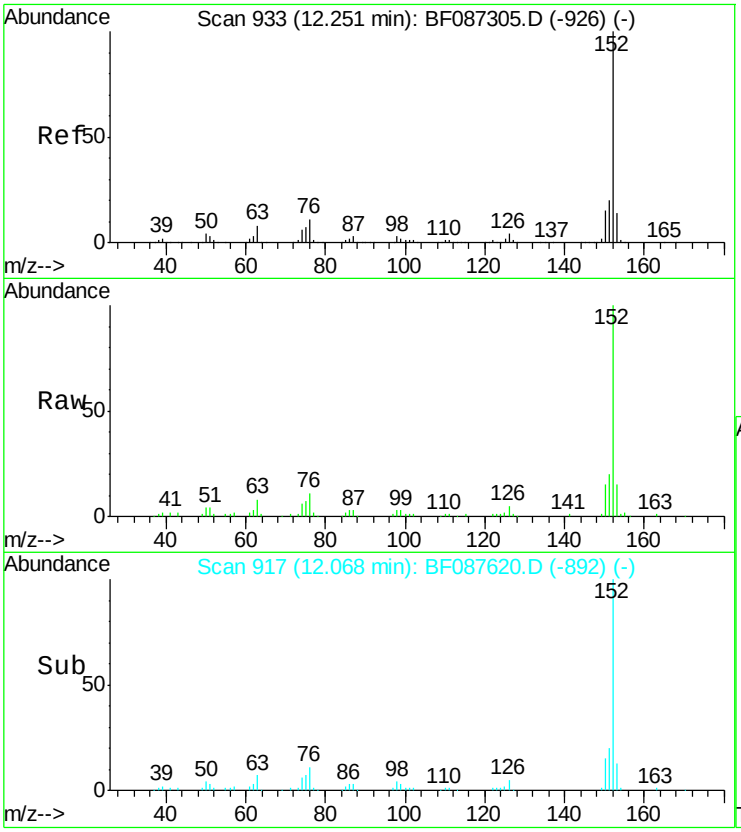


#44
2-Fluorobiphenyl
Concen: 86.28 ng
RT: 11.25 min Scan# 845
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:172 Resp: 1272824

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	24.4	19.8	29.8

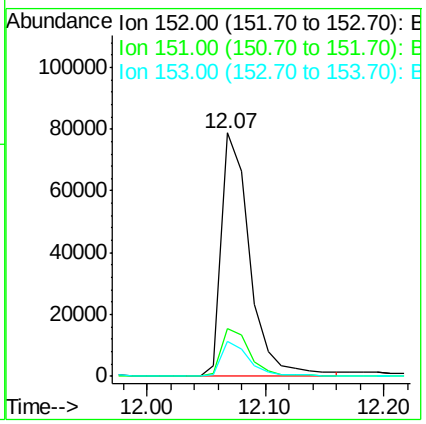




#48
Acenaphthylene
Concen: 6.17 ng
RT: 12.07 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:152 Resp: 130831

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.8	25.2
153	14.5	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

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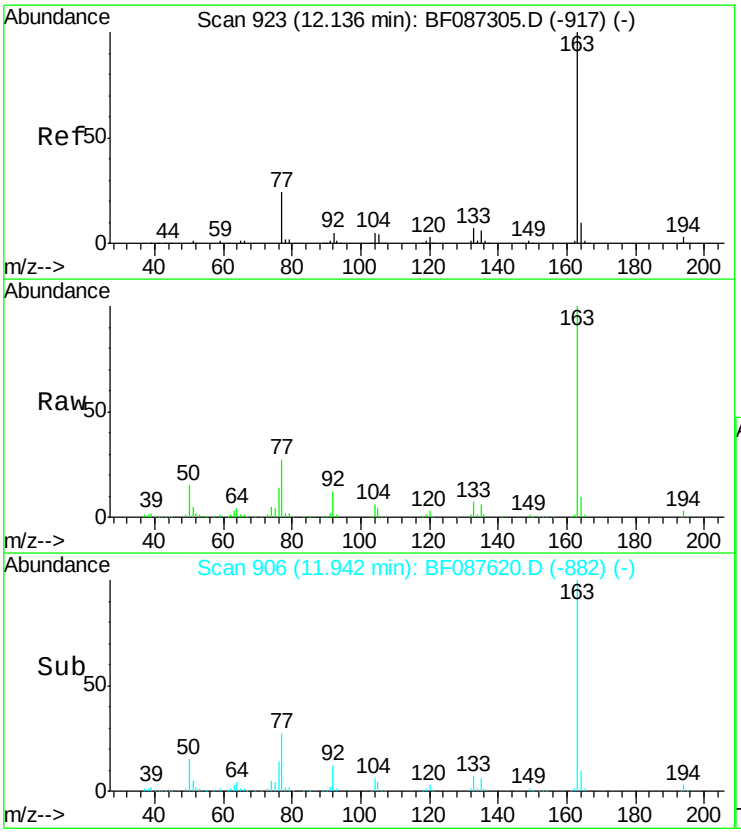
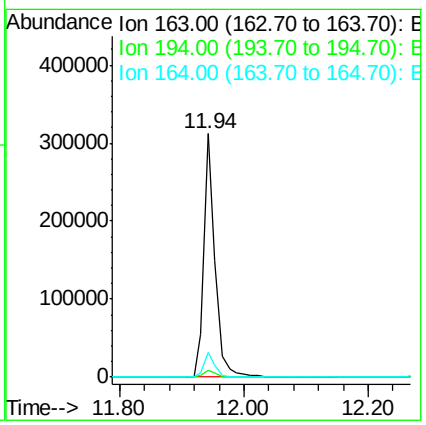
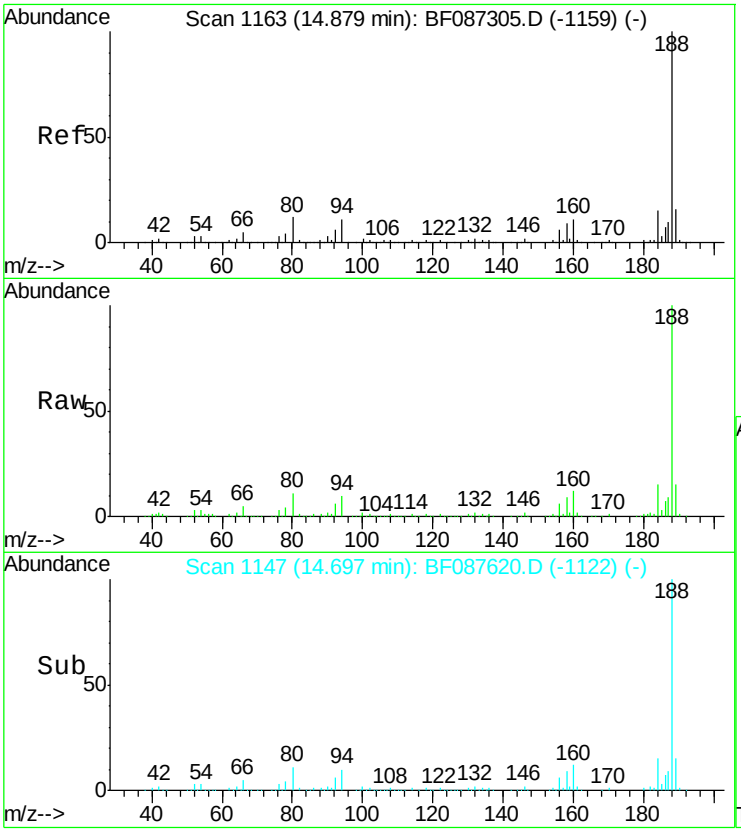


#49
Dimethylphthalate
Concen: 23.70 ng
RT: 11.94 min Scan# 906
Delta R.T. -0.02 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:163 Resp: 394849

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	10.4	8.2	12.4





#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:188 Resp: 318712

Ion	Ratio	Lower	Upper
188	100		
94	9.9	6.8	10.2
80	11.0	7.1	10.7#

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

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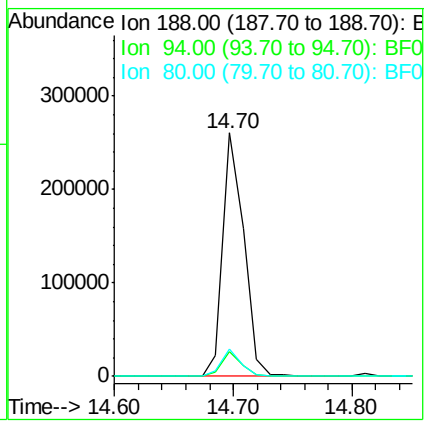
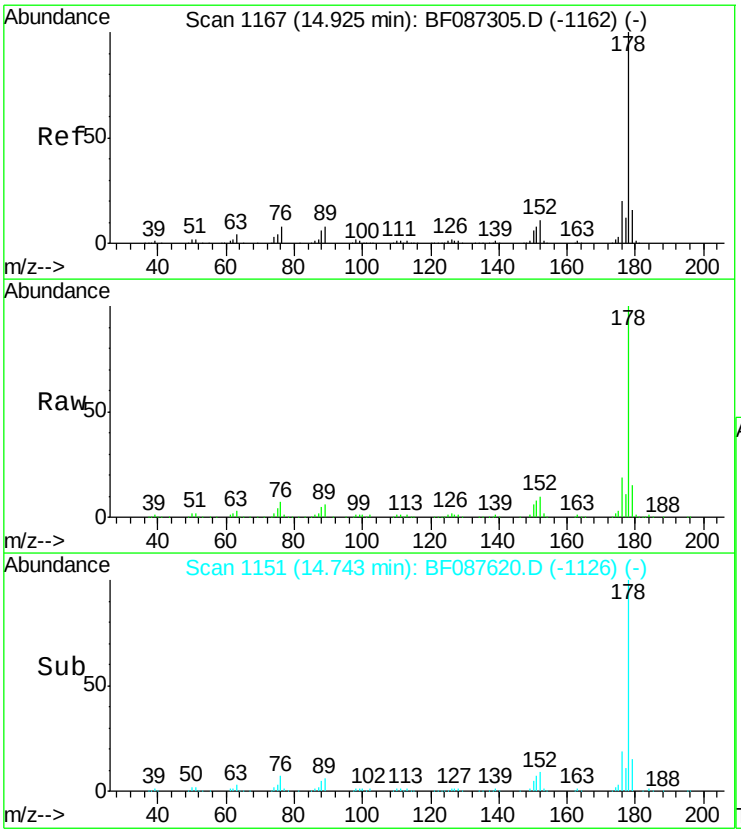
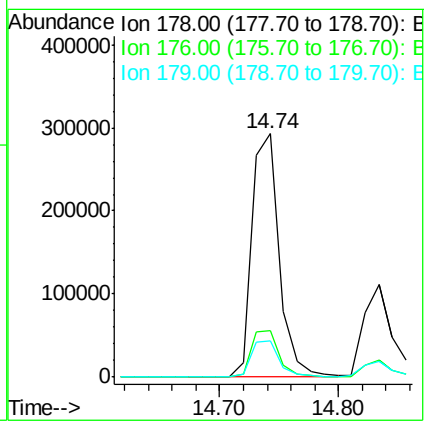


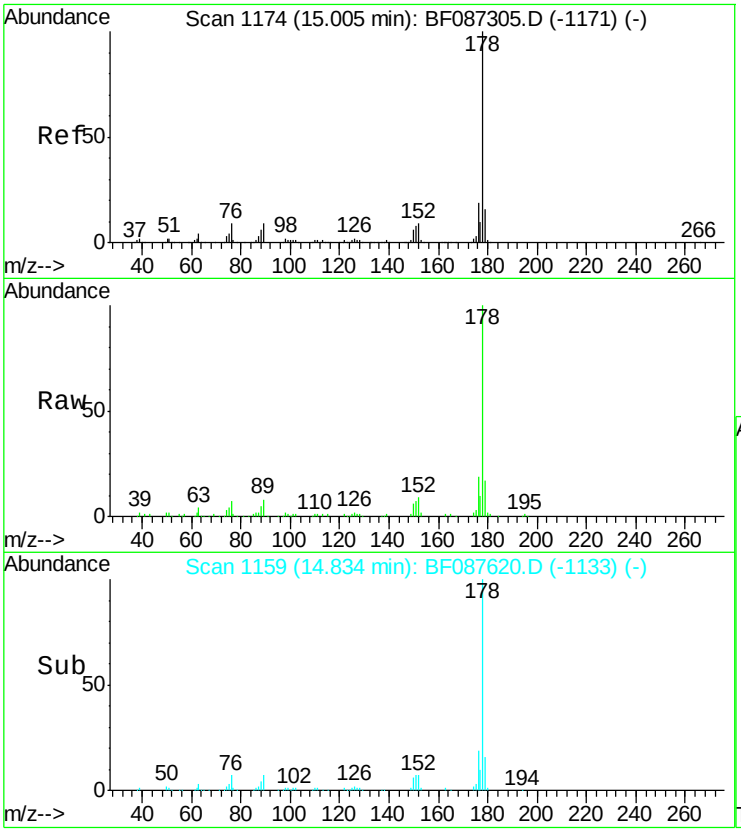


#70
Phenanthrene
Concen: 26.78 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:178 Resp: 472697

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.0	24.0
179	14.7	12.6	18.8

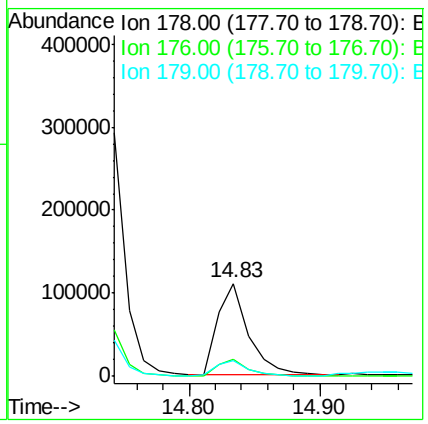




#71
Anthracene
Concen: 10.30 ng
RT: 14.83 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:178 Resp: 183624

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	16.7	12.7	19.1



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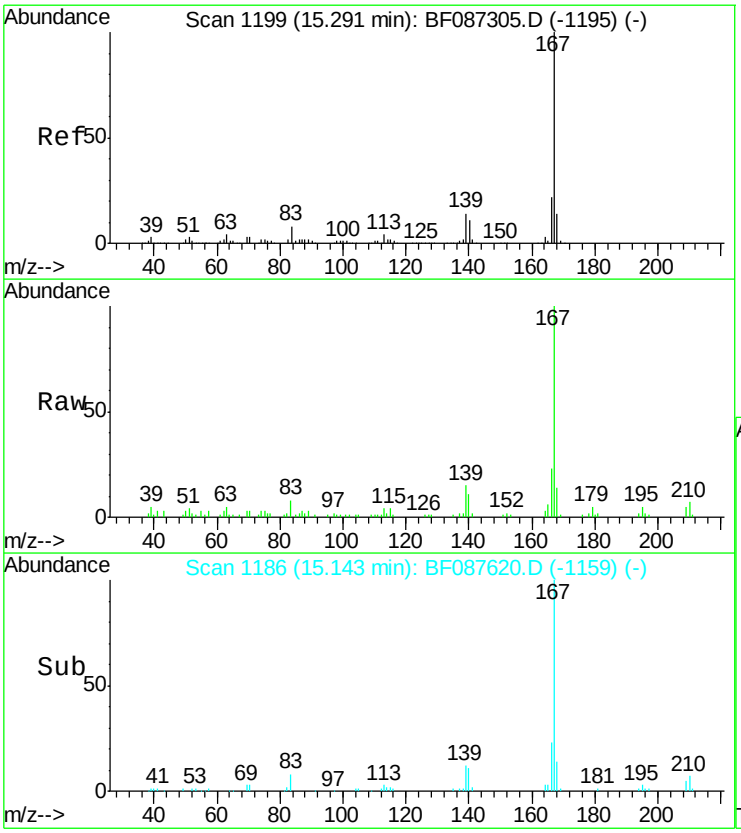
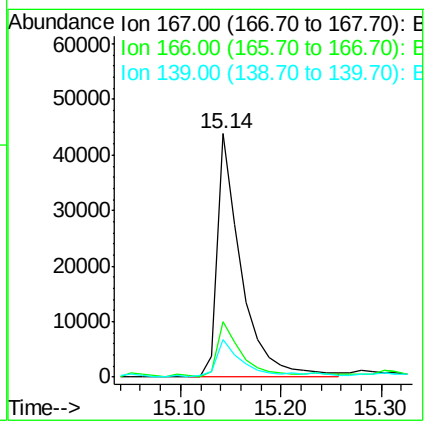
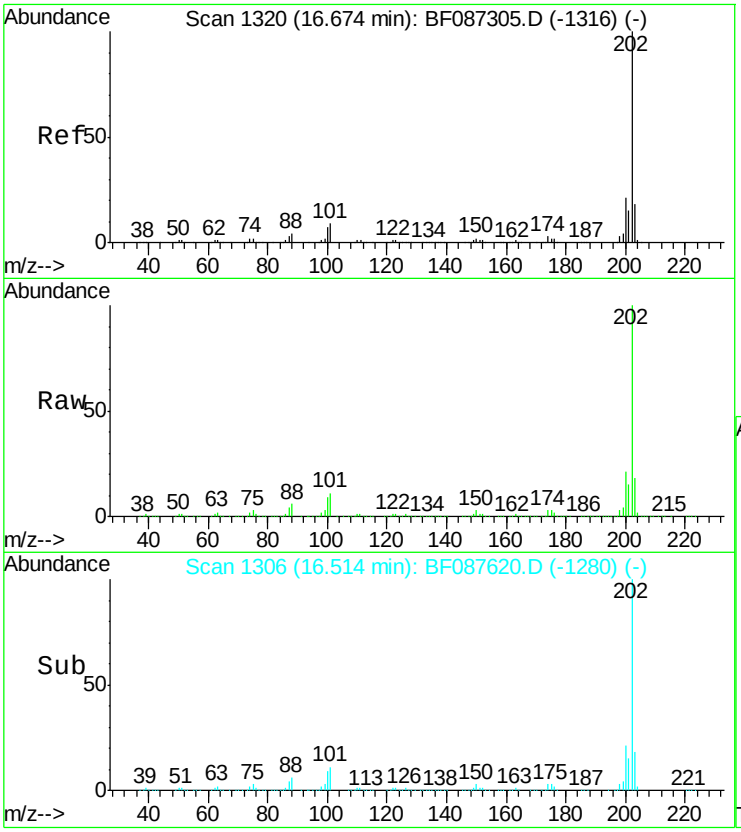


#72
Carbazole
Concen: 4.79 ng
RT: 15.14 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:167 Resp: 72843

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.7	26.5
139	15.4	10.8	16.2

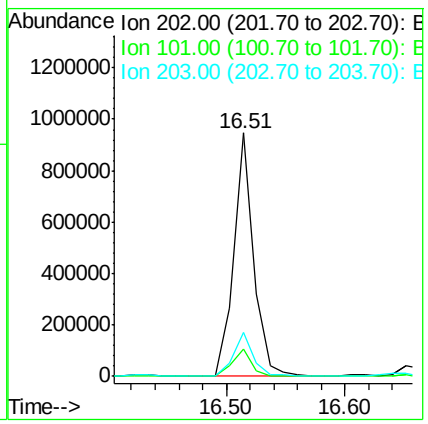




#74
Fluoranthene
Concen: 61.79 ng
RT: 16.51 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:202 Resp: 1093818

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	35.4
203	17.9	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

Manual Integrations APPROVED
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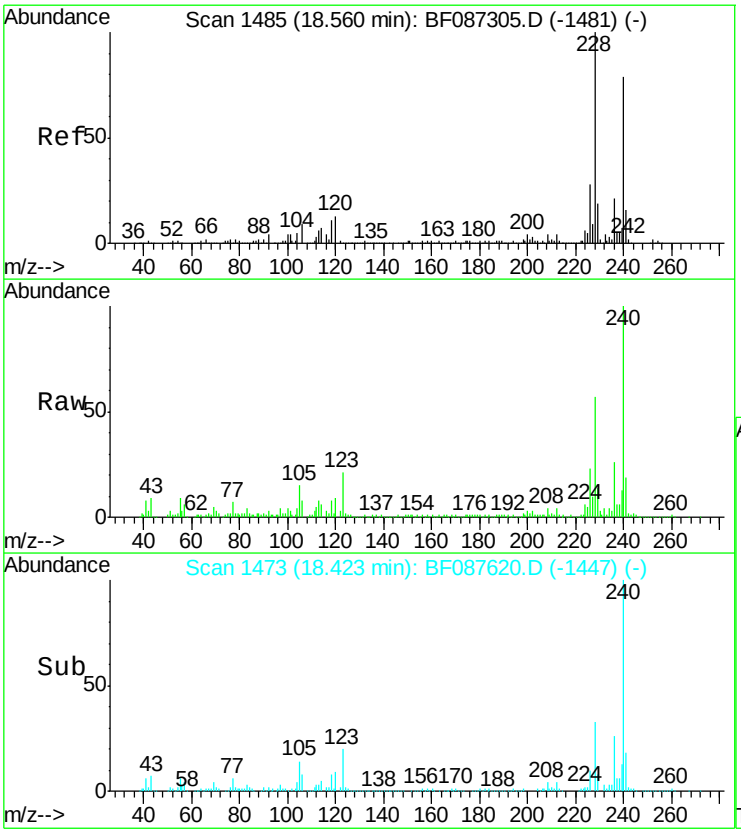
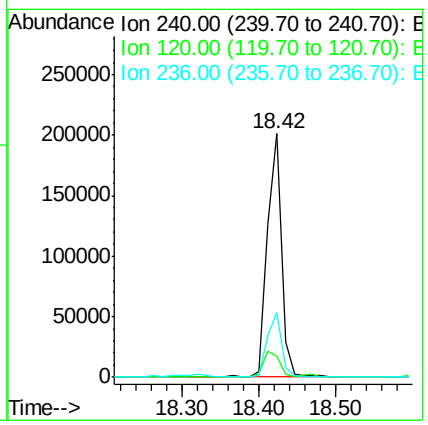
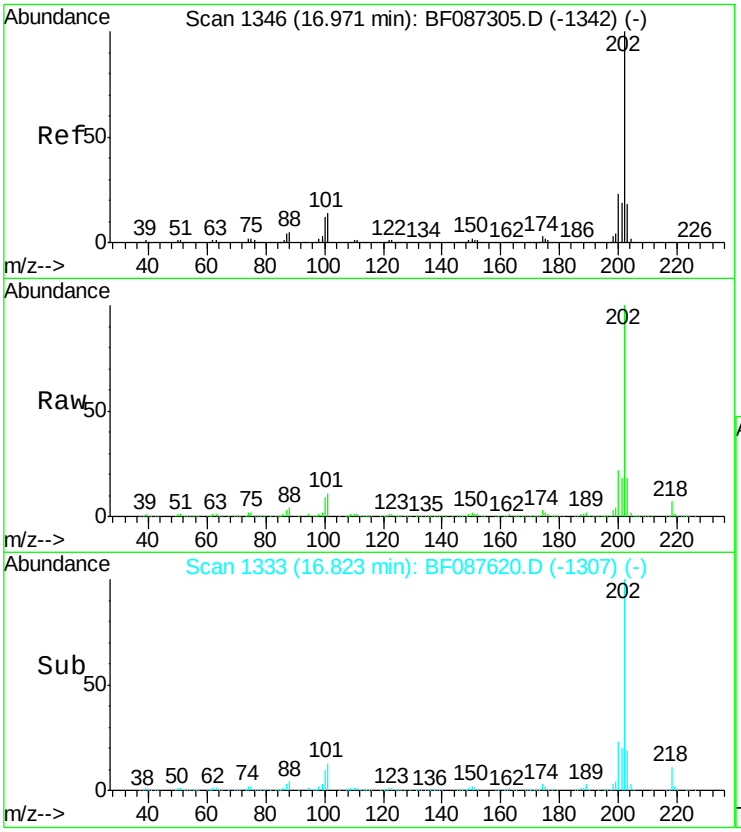


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.42 min Scan# 1473
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:240 Resp: 252917

Ion	Ratio	Lower	Upper
240	100		
120	8.8	11.2	16.8#
236	26.2	21.2	31.8

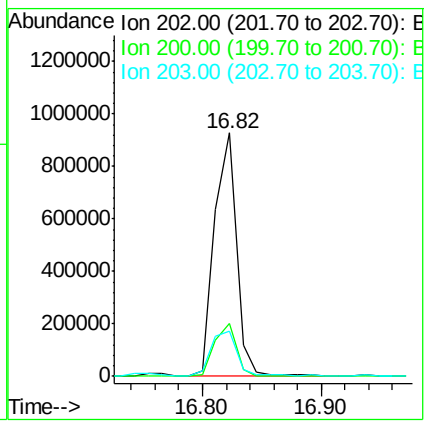




#77
Pyrene
Concen: 65.36 ng
RT: 16.82 min Scan# 1333
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:202 Resp: 1189832

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	18.5	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

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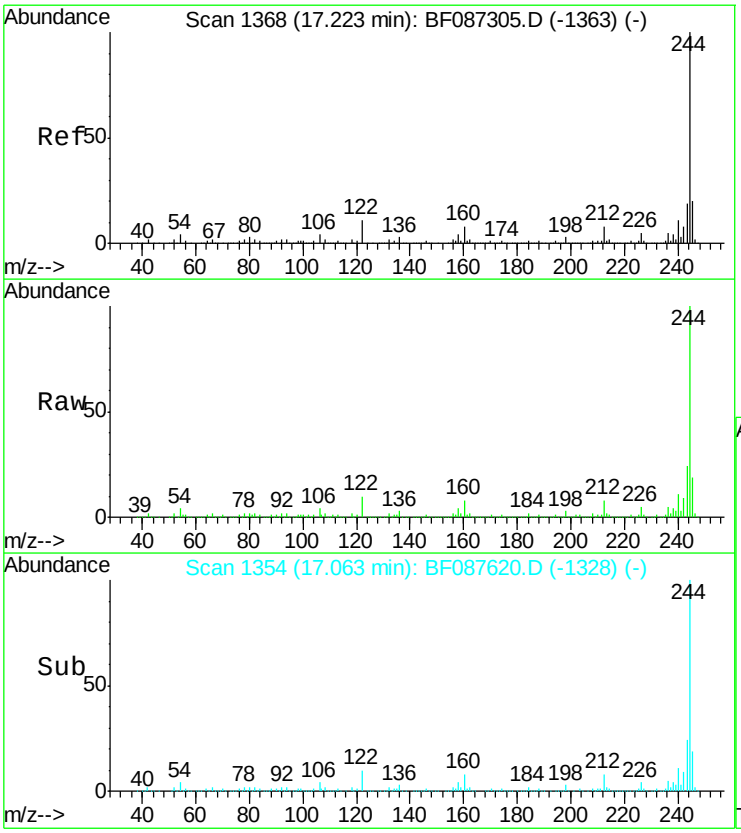
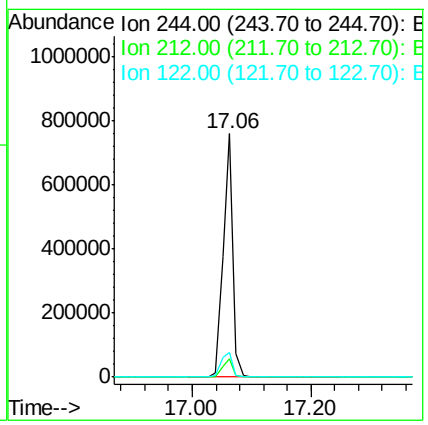
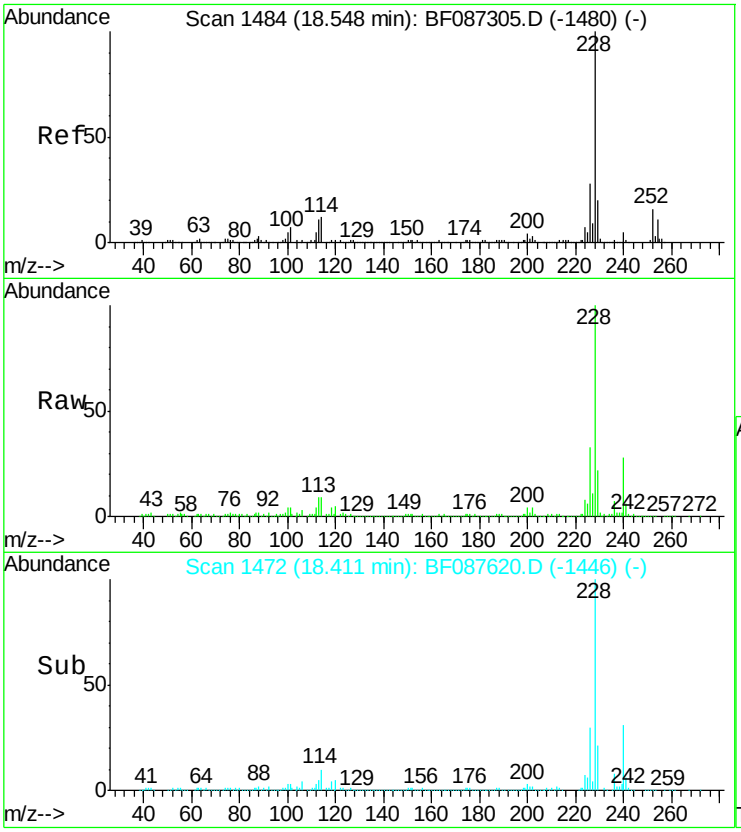


#78
Terphenyl-d14
Concen: 71.42 ng
RT: 17.06 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:244 Resp: 849655

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.2
122	10.2	12.0	18.0#

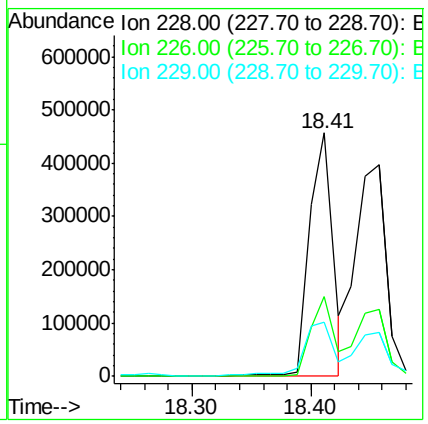




#80
Benzo(a)anthracene
Concen: 43.09 ng
RT: 18.41 min Scan# 1472
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:228 Resp: 619912

Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.5	33.7
229	22.2	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

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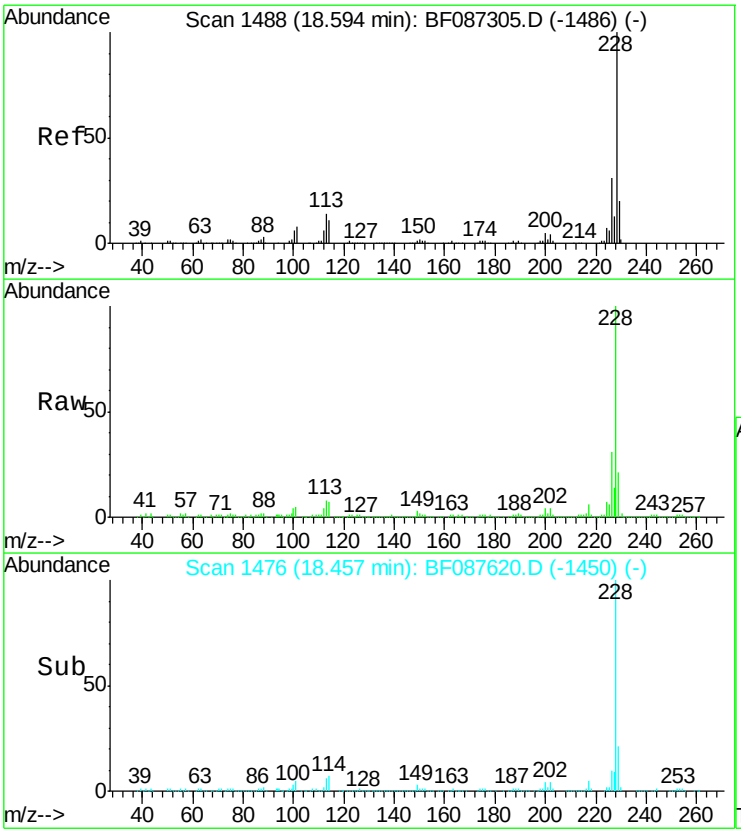
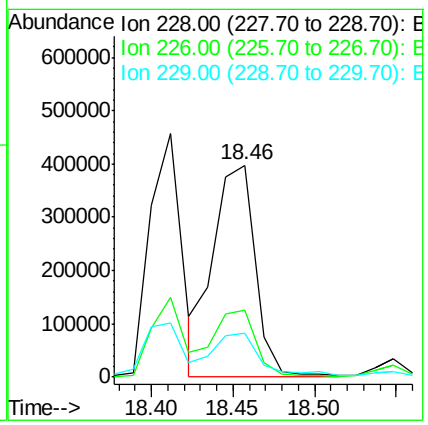
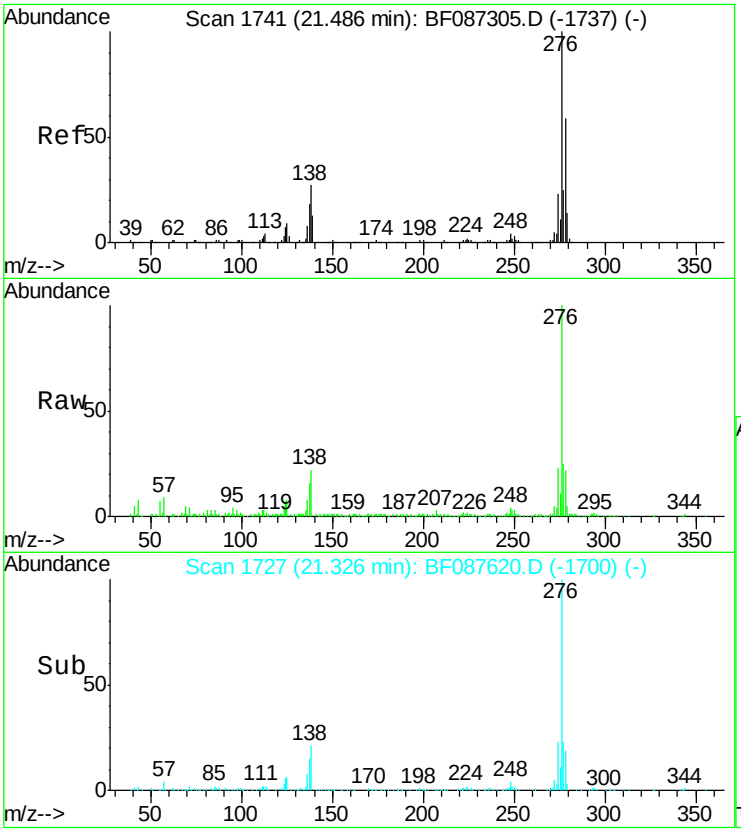


#82
Chrysene
Concen: 49.39 ng
RT: 18.46 min Scan# 1476
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:228 Resp: 705229

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.4	36.6
229	21.0	15.8	23.8





#85
Indeno(1,2,3-cd)pyrene
Concen: 19.91 ng
RT: 21.33 min Scan# 1727
Delta R.T. 0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:276 Resp: 227893

Ion	Ratio	Lower	Upper
276	100		
138	21.3	25.6	38.4#
277	23.6	20.5	30.7

Instrument :
BNA_F
ClientSampleId :
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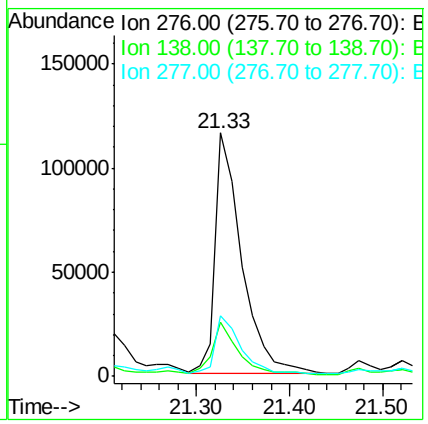
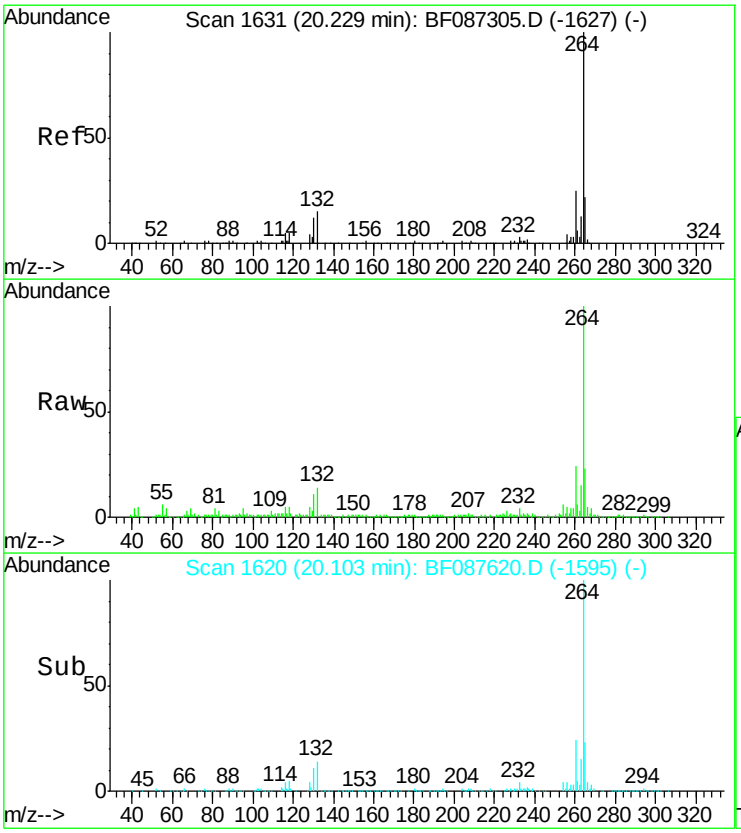
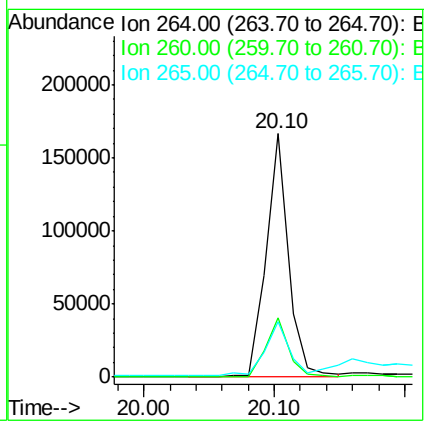


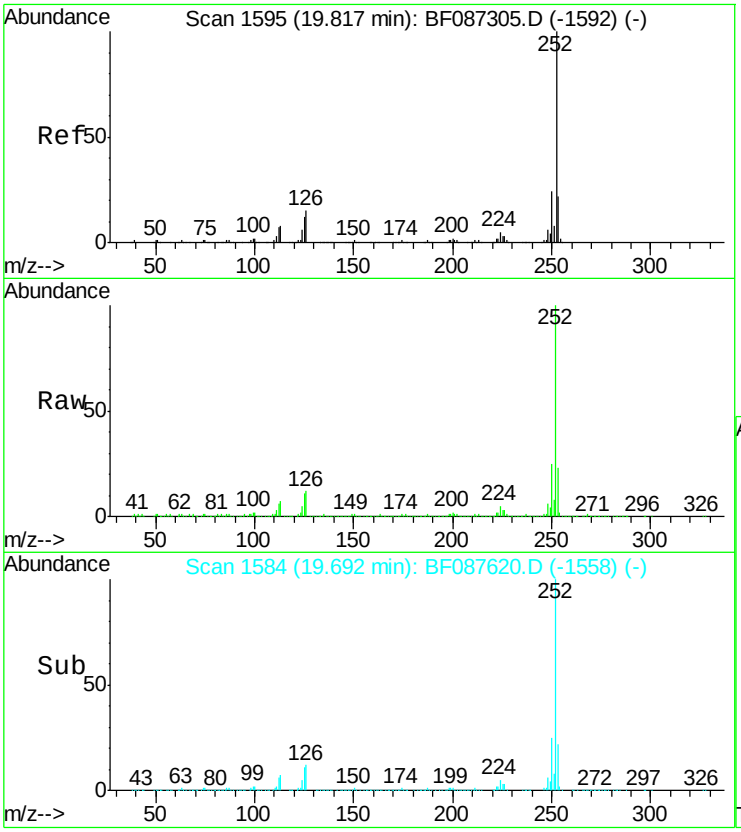


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.10 min Scan# 1620
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:264 Resp: 198965

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.8	17.3	25.9

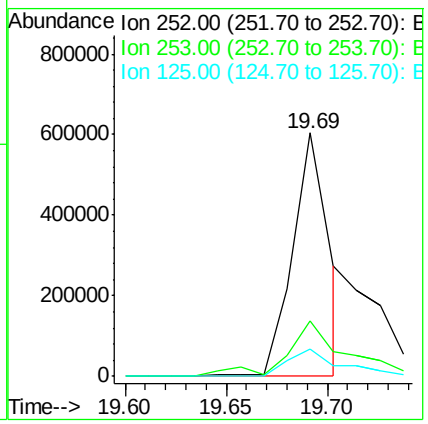




#87
Benzo(b)fluoranthene
Concen: 60.08 ng m
RT: 19.69 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:252 Resp: 761414

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.0	11.4	17.0#



Instrument :
BNA_F
ClientSampleId :
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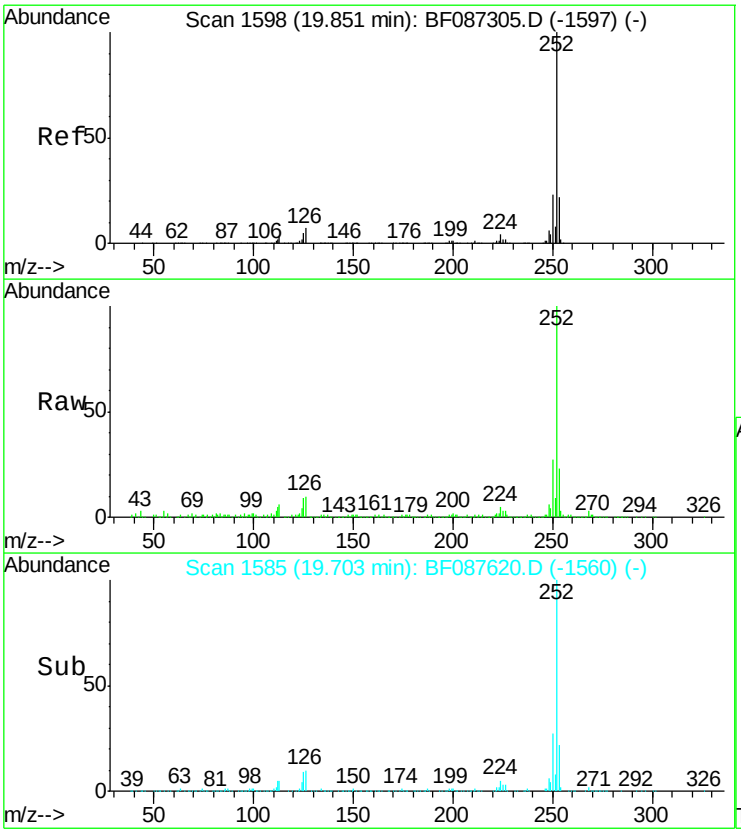
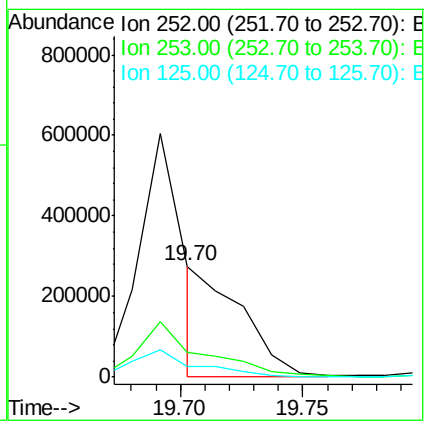
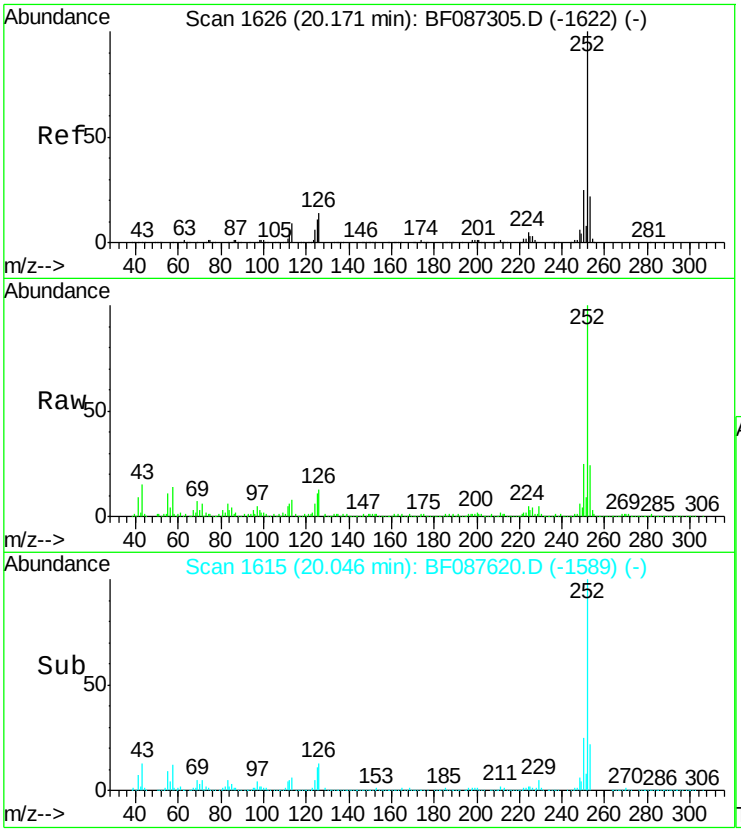


#88
Benzo(k)fluoranthene
Concen: 28.99 ng m
RT: 19.70 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:252 Resp: 316266

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	9.5	9.1	13.7

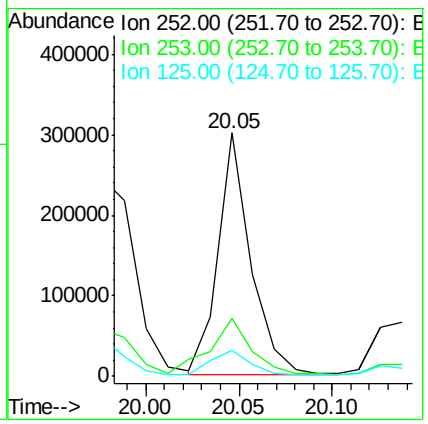




#89
Benzo(a)pyrene
Concen: 33.53 ng
RT: 20.05 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:252 Resp: 367545

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.2	25.8
125	10.9	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

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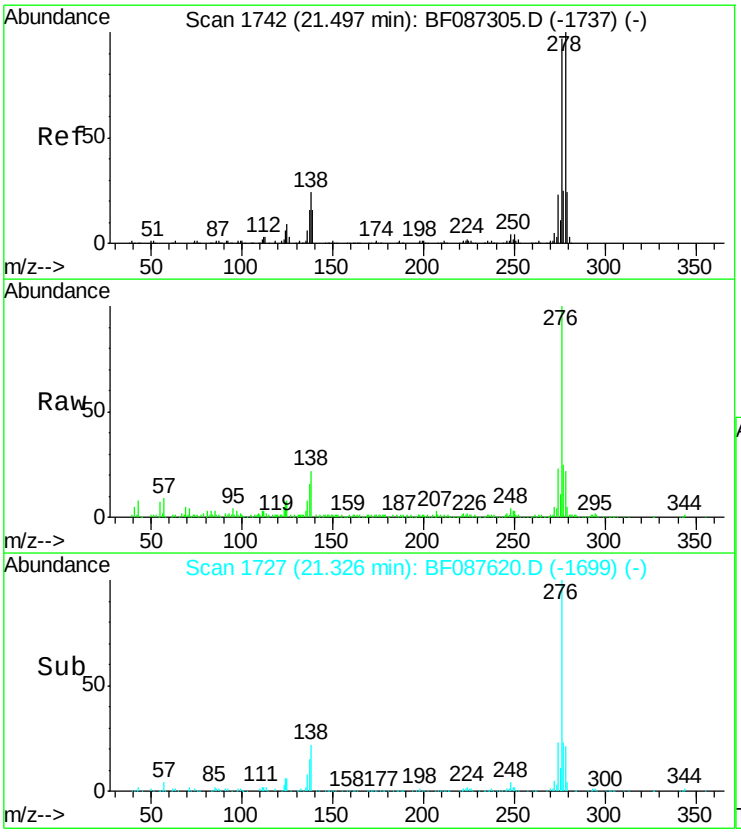
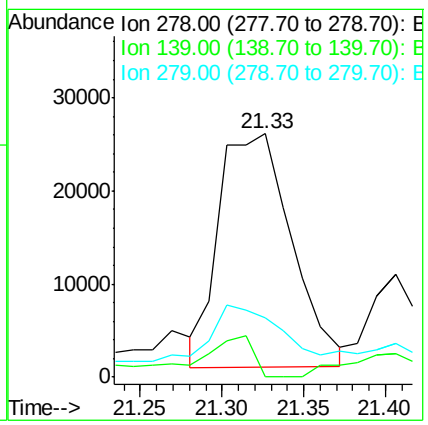
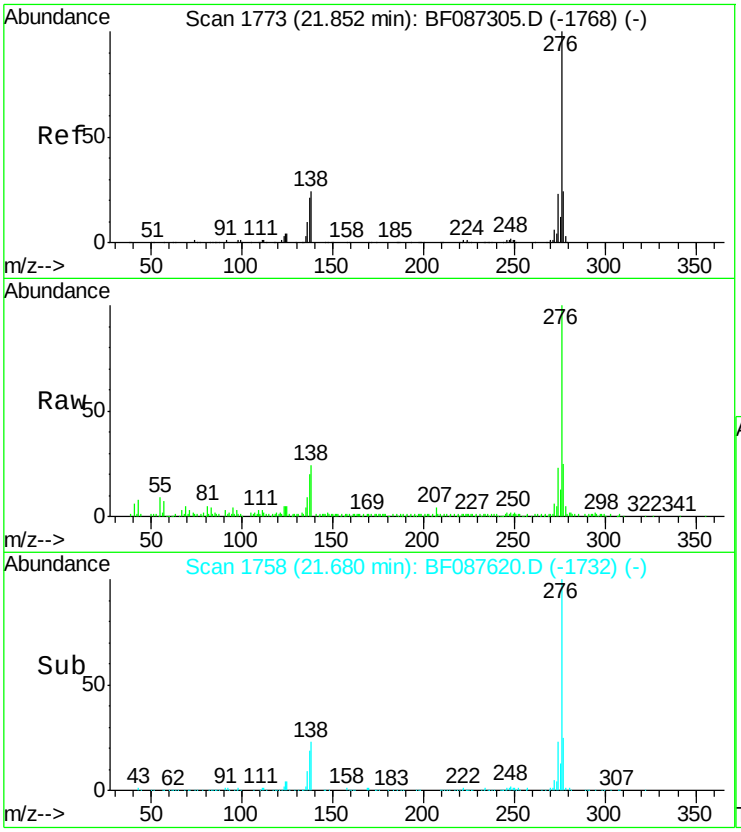


#90
Dibenzo(a,h)anthracene
Concen: 8.27 ng m
RT: 21.33 min Scan# 1727
Delta R.T. 0.02 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:278 Resp: 77321

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	24.5	19.6	29.4

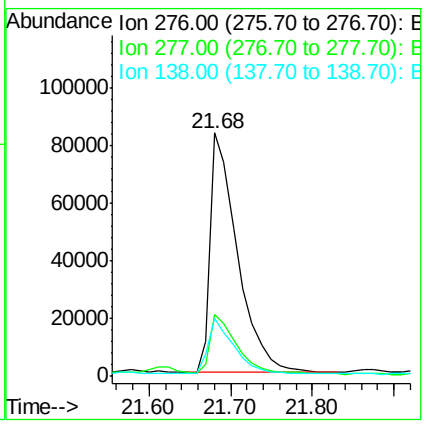




#91
Benzo(g,h,i)perylene
Concen: 21.00 ng
RT: 21.68 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BF087620.D
Acq: 1 Jun 2016 13:26

Tgt Ion:276 Resp: 193739

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.6	29.4
138	23.6	23.6	35.4#



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1690(0-4)RE

Manual Integrations APPROVED
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