Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052716\
Data File : BF087470.D
Acq On : 28 May 2016 6:37
Operator : UM/SJ
Sample : H3190-13
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

Manual Integrations APPROVED
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5/31/2016 7:02:05 PM

Quant Time: May 31 12:09:36 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 30 00:59:34 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	109707	20.00	ng		0.00
21) Naphthalene-d8	9.51	136	446078	20.00	ng		-0.01
38) Acenaphthene-d10	12.34	164	201578	20.00	ng		-0.01
63) Phenanthrene-d10	14.74	188	347030	20.00	ng		-0.01
75) Chrysene-d12	18.45	240	246889	20.00	ng		-0.01
86) Perylene-d12	20.11	264	190093	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.38	112	346782	55.54	ng		0.00
7) Phenol-d6	7.03	99	565082	66.98	ng		-0.02
23) Nitrobenzene-d5	8.39	82	355001	40.11	ng		-0.03
41) 2,4,6-Tribromophenol	13.63	330	201927	104.24	ng		-0.01
44) 2-Fluorobiphenyl	11.29	172	769020	53.78	ng		-0.01
78) Terphenyl-d14	17.10	244	934734	80.49	ng		-0.01
Target Compounds							Qvalue
49) Dimethylphthalate	11.99	163	331519	20.53	ng		99
70) Phenanthrene	14.78	178	94200	4.90	ng		98
71) Anthracene	14.87	178	43345	2.23	ng		98
74) Fluoranthene	16.54	202	307449	15.95	ng		97
77) Pyrene	16.85	202	300408	16.90	ng		98
80) Benzo(a)anthracene	18.43	228	155050m	11.04	ng		
82) Chrysene	18.47	228	164963	11.84	ng		99
85) Indeno(1,2,3-cd)pyrene	21.34	276	68947m	6.17	ng		
87) Benzo(b)fluoranthene	19.70	252	228022m	18.83	ng		
88) Benzo(k)fluoranthene	19.74	252	54925m	5.27	ng		
89) Benzo(a)pyrene	20.06	252	103035	9.84	ng		98
90) Dibenzo(a,h)anthracene	21.34	278	17939m	2.01	ng		
91) Benzo(g,h,i)perylene	21.69	276	58171	6.60	ng	#	92

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

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Manual Integrations APPROVED
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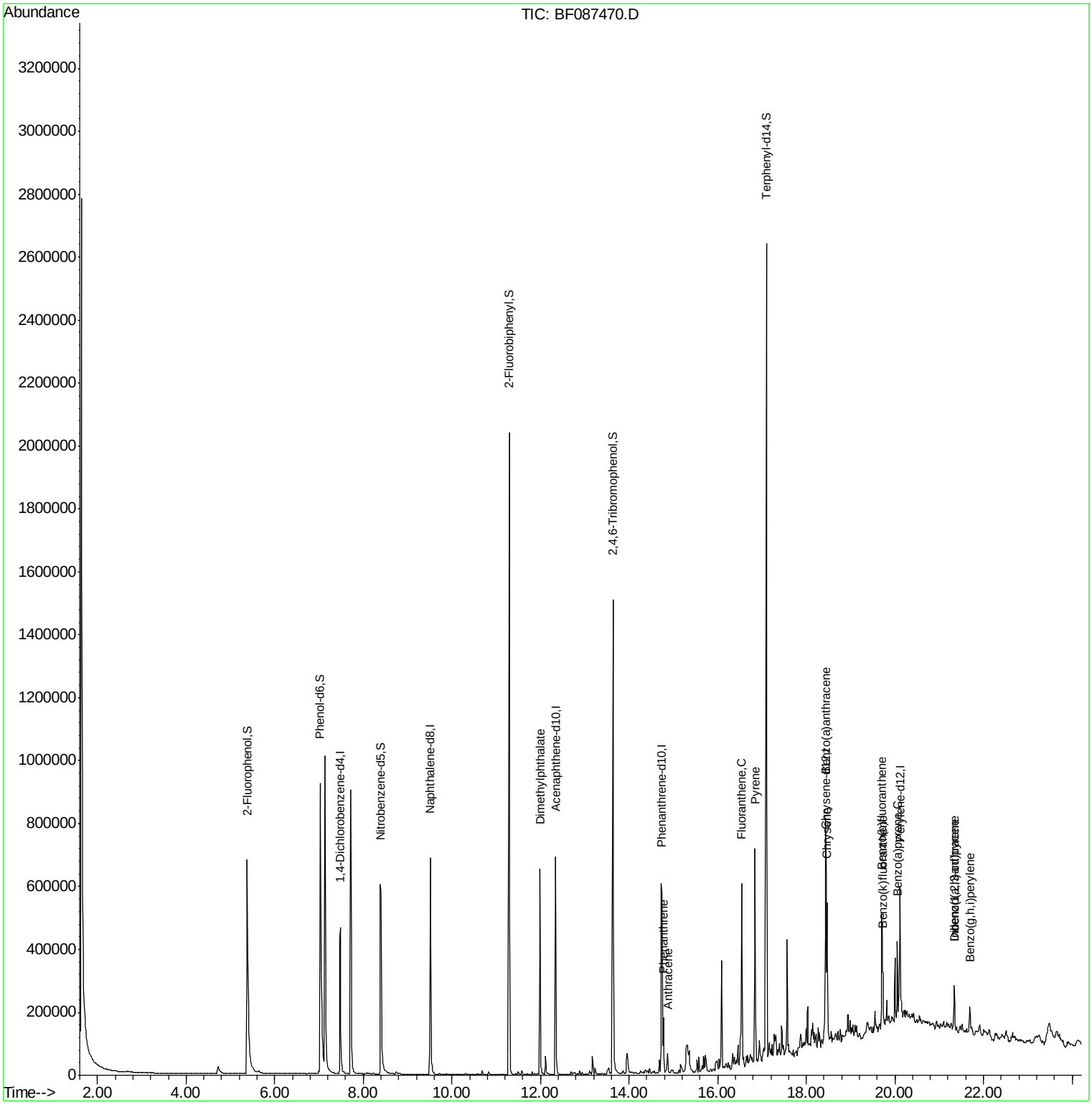
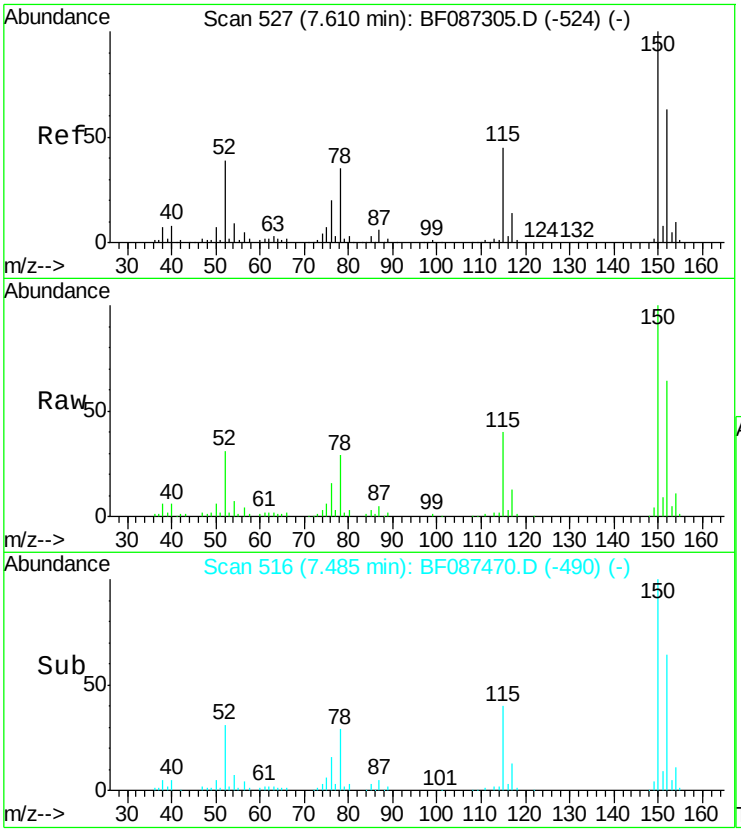
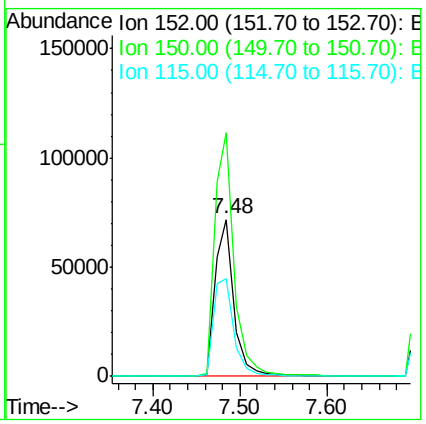




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.48 min Scan# 516
Delta R.T. 0.00 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:152 Resp: 109707

Ion	Ratio	Lower	Upper
152	100		
150	155.1	125.8	188.6
115	62.1	51.5	77.3



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

Manual Integrations APPROVED
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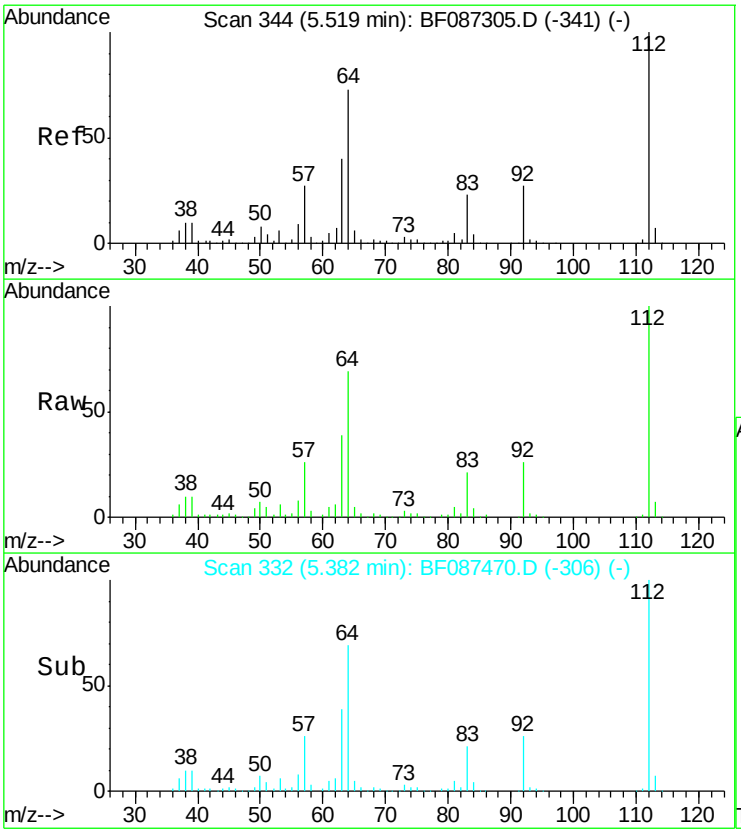
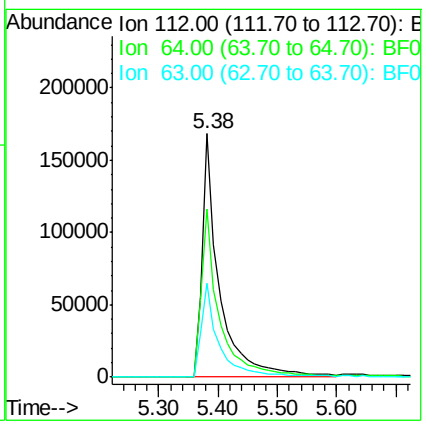
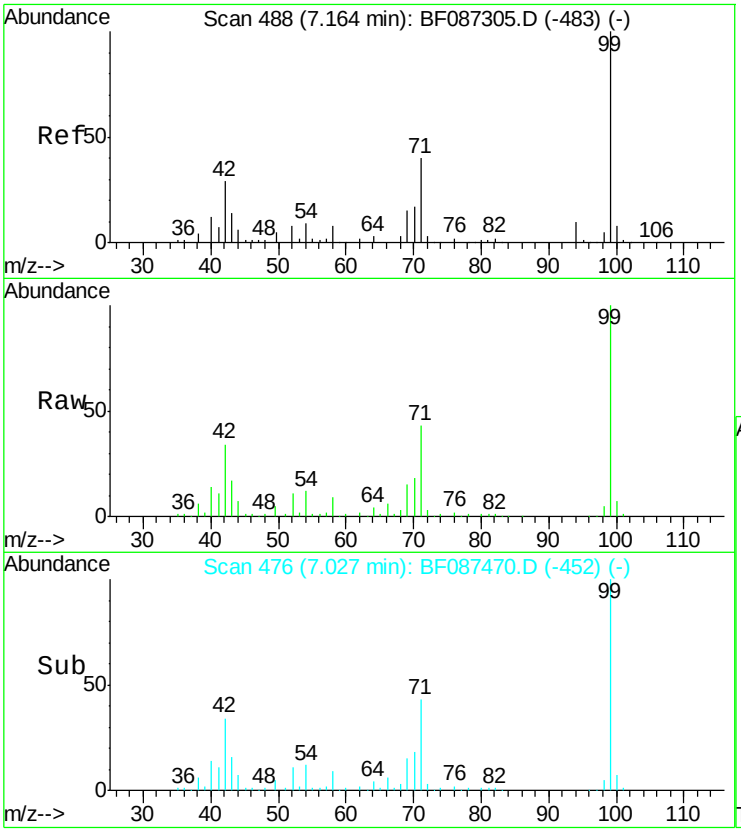


#5
2-Fluorophenol
Concen: 55.54 ng
RT: 5.38 min Scan# 332
Delta R.T. 0.00 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:112 Resp: 346782

Ion	Ratio	Lower	Upper
112	100		
64	69.0	52.1	78.1
63	38.5	25.7	38.5#

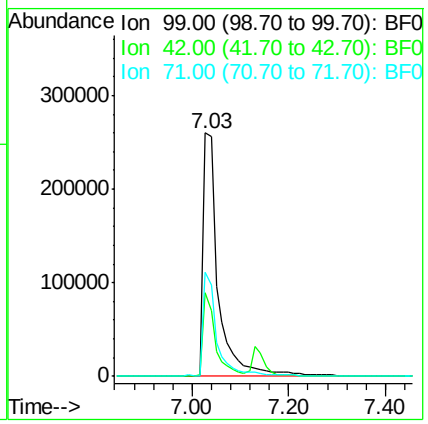




#7
Phenol-d6
Concen: 66.98 ng
RT: 7.03 min Scan# 476
Delta R.T. -0.02 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion: 99 Resp: 565082

Ion	Ratio	Lower	Upper
99	100		
42	34.4	13.6	20.4#
71	43.0	24.6	36.8#



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

Manual Integrations APPROVED
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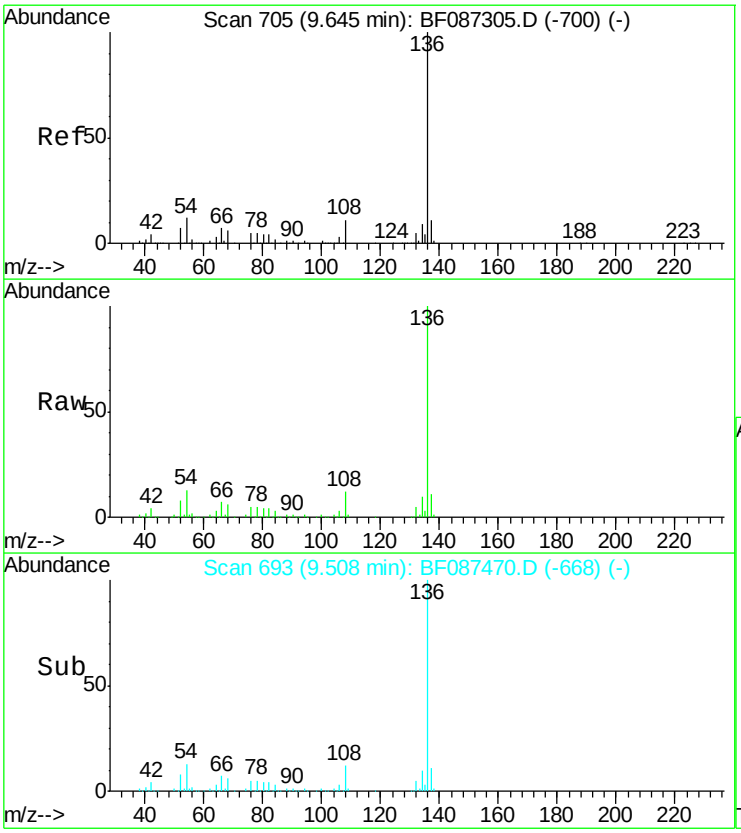
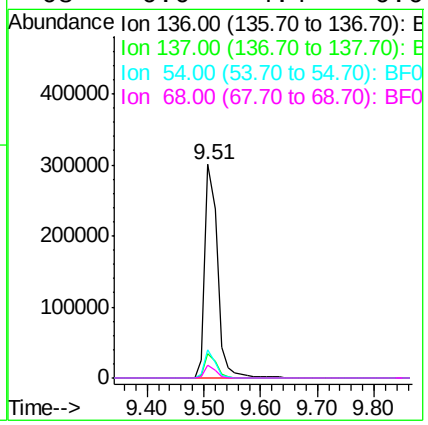
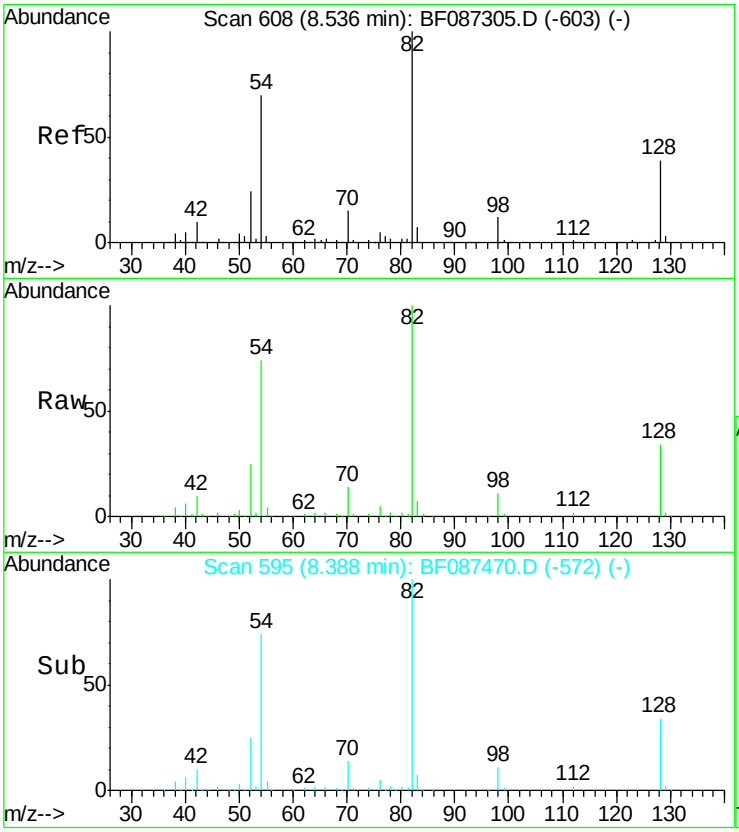


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:136 Resp: 446078

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	13.1	5.0	7.4#
68	6.0	4.4	6.6

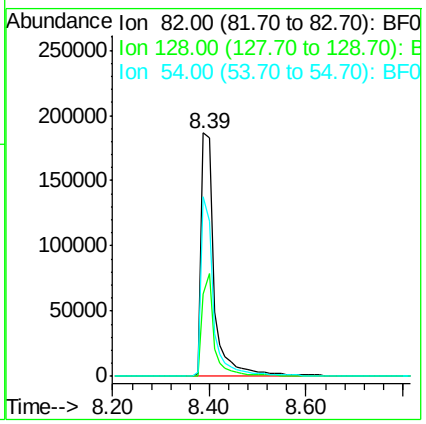




#23
Nitrobenzene-d5
Concen: 40.11 ng
RT: 8.39 min Scan# 595
Delta R.T. -0.03 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion: 82 Resp: 355001

Ion	Ratio	Lower	Upper
82	100		
128	33.9	40.6	61.0#
54	73.5	38.1	57.1#



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

Manual Integrations APPROVED
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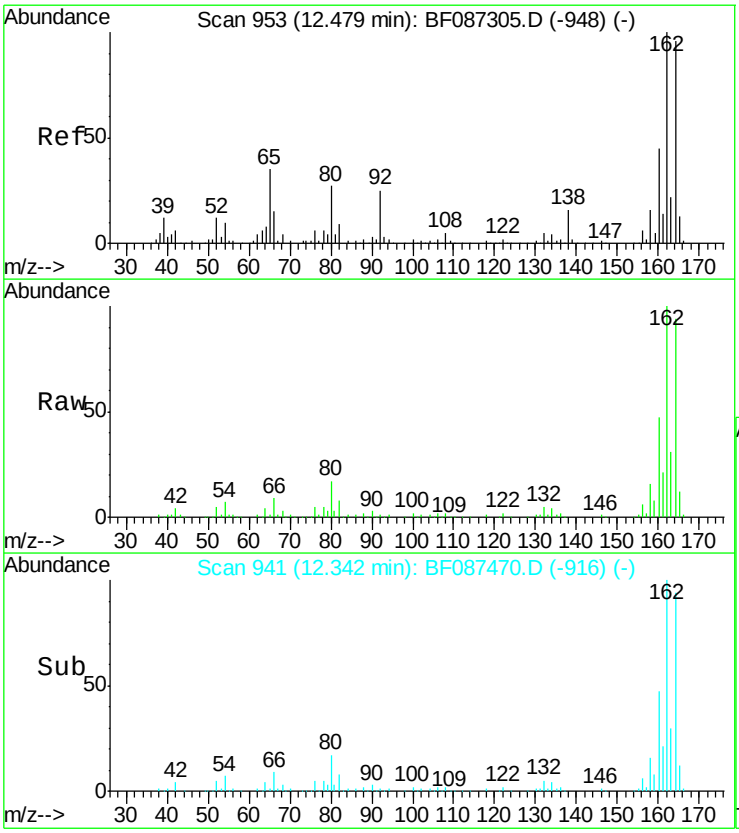
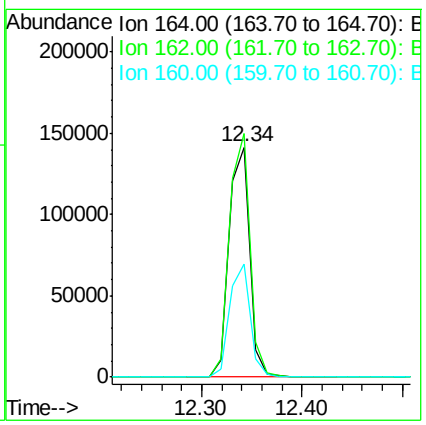
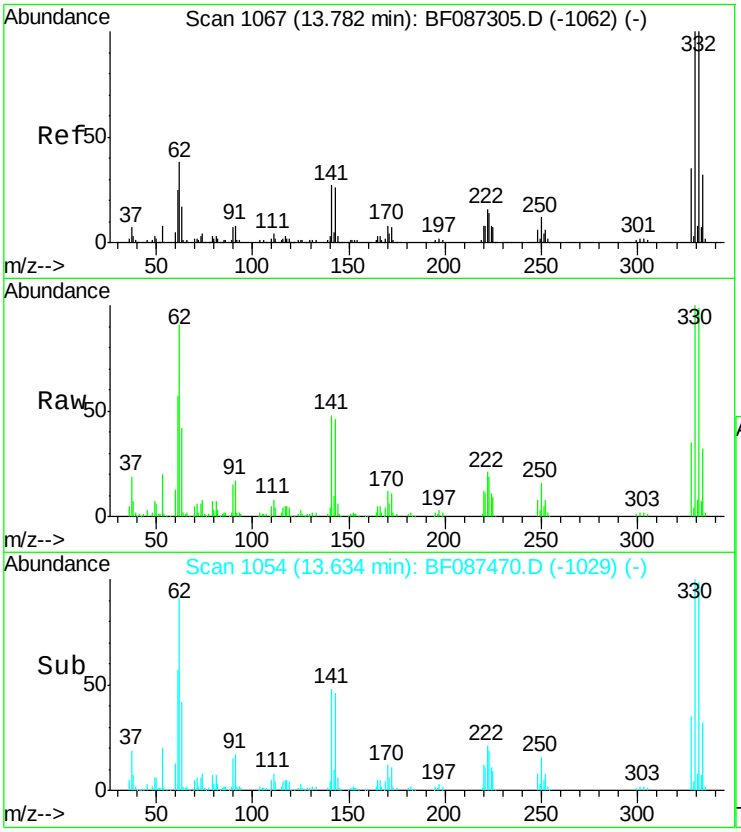


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.34 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:164 Resp: 201578

Ion	Ratio	Lower	Upper
164	100		
162	106.0	82.8	124.2
160	49.3	36.9	55.3

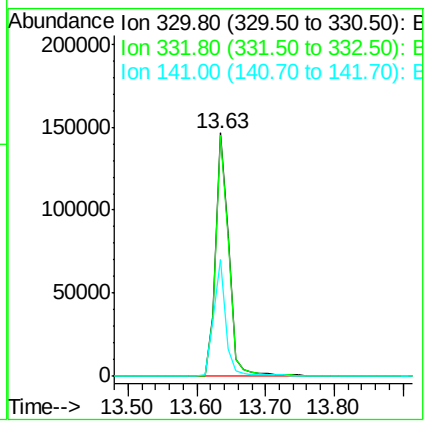




#41
2,4,6-Tribromophenol
Concen: 104.24 ng
RT: 13.63 min Scan# 1054
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:330 Resp: 201927

Ion	Ratio	Lower	Upper
330	100		
332	98.3	79.0	118.4
141	45.0	31.2	46.8



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

Manual Integrations APPROVED
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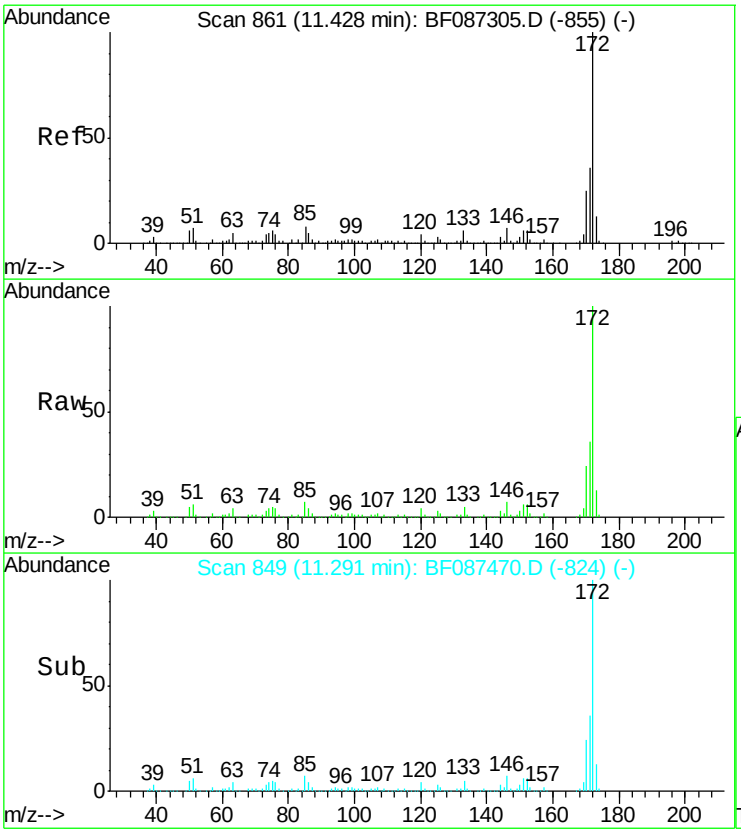
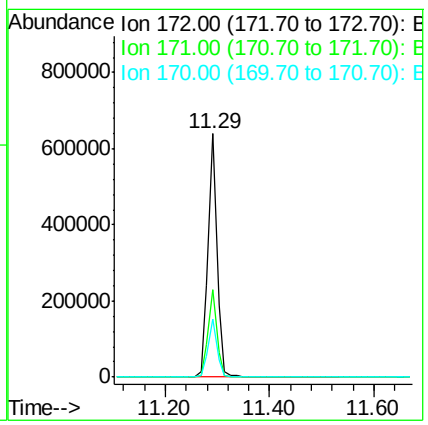
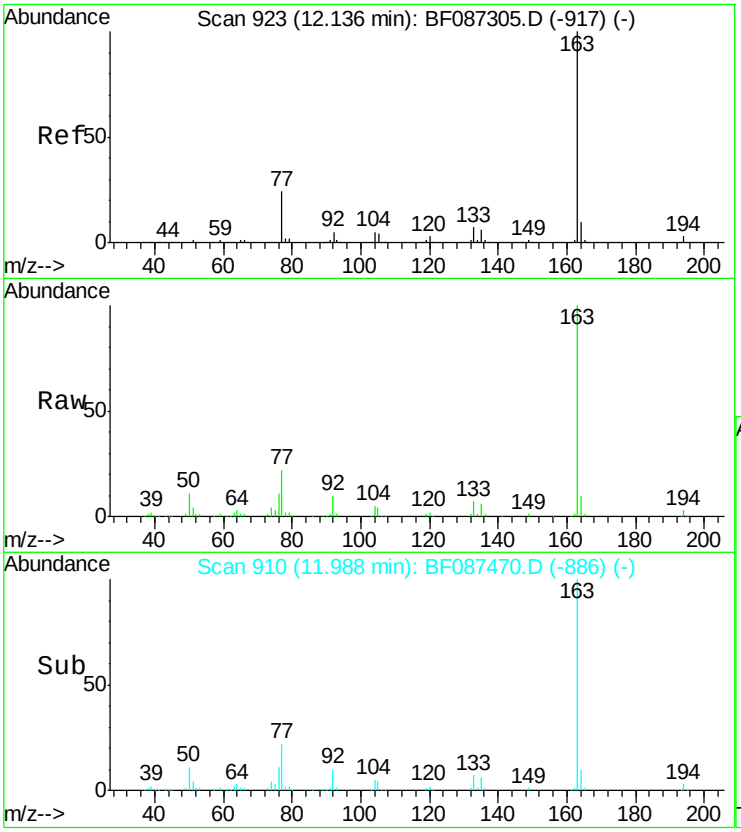


#44
2-Fluorobiphenyl
Concen: 53.78 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:172 Resp: 769020

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.6
170	23.9	19.8	29.8

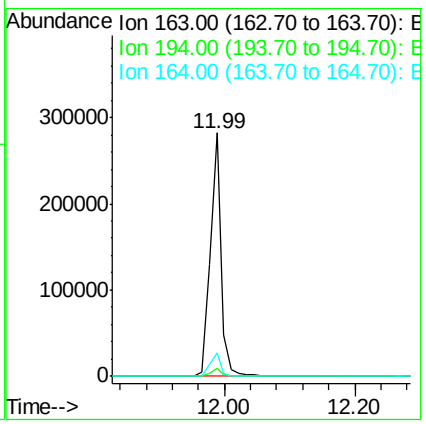




#49
Dimethylphthalate
Concen: 20.53 ng
RT: 11.99 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:163 Resp: 331519

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.9	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

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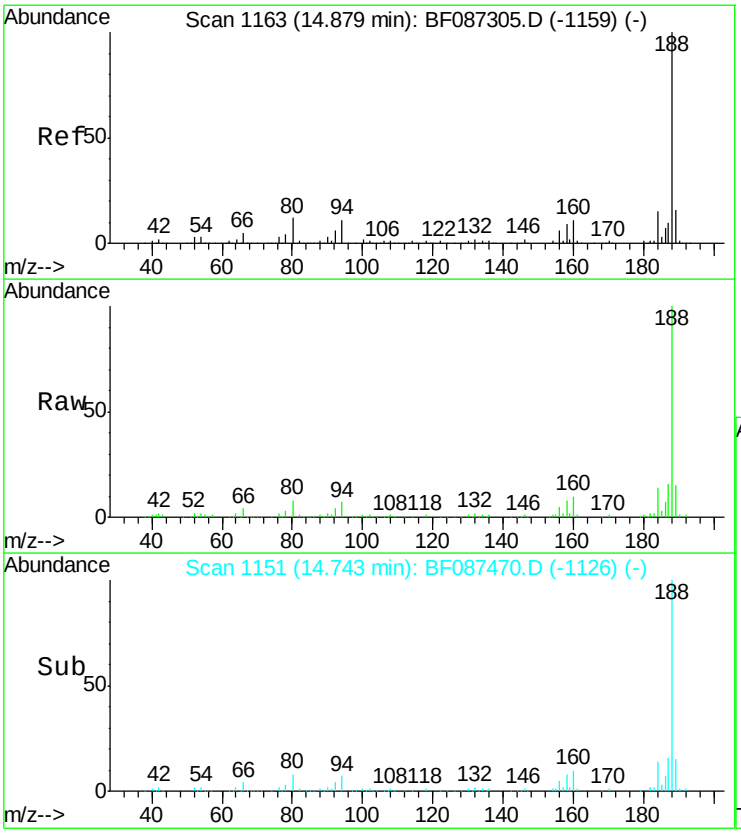
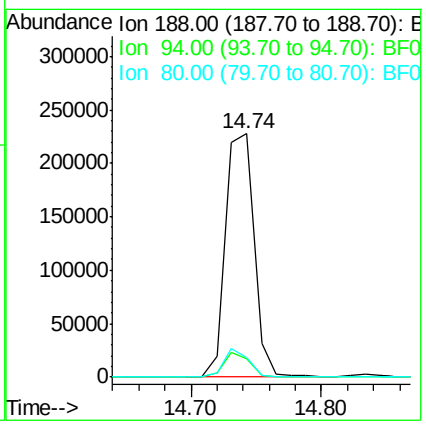
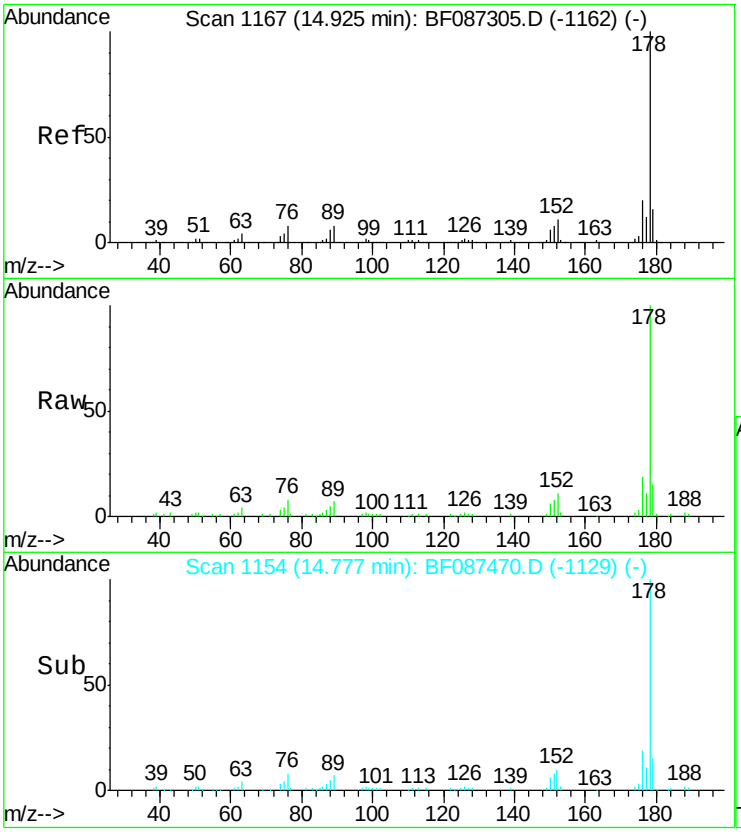


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.74 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:188 Resp: 347030

Ion	Ratio	Lower	Upper
188	100		
94	7.4	6.8	10.2
80	8.2	7.1	10.7





#70
Phenanthrene
Concen: 4.90 ng
RT: 14.78 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:178 Resp: 94200

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.0	24.0
179	14.8	12.6	18.8

Instrument :
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ClientSampleId :
CHS-STA-1672(0-4)

Manual Integrations APPROVED
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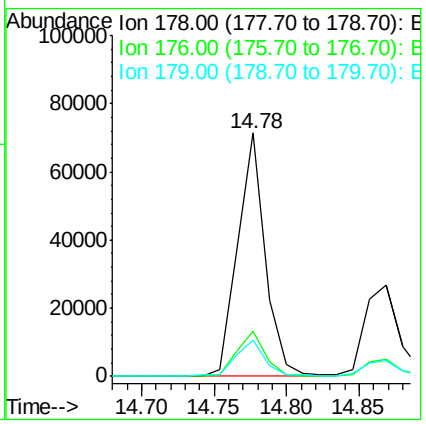
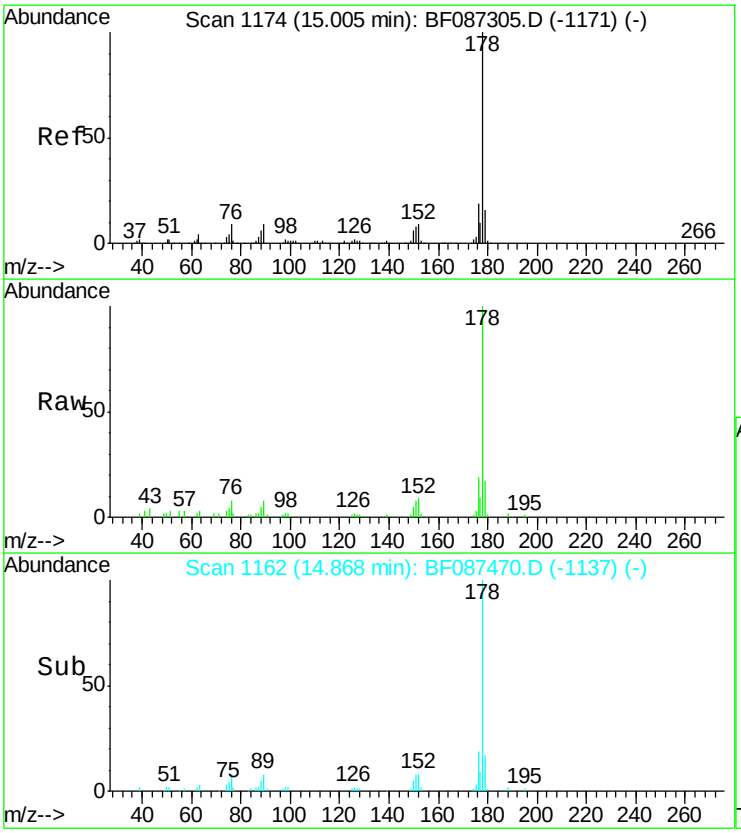
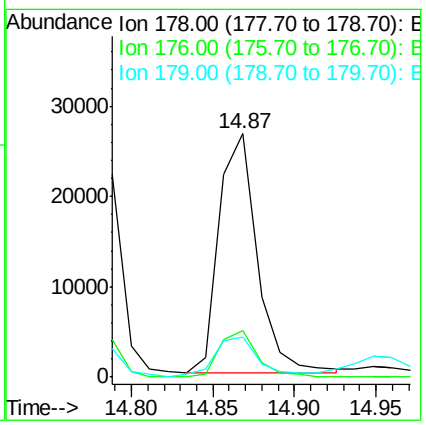


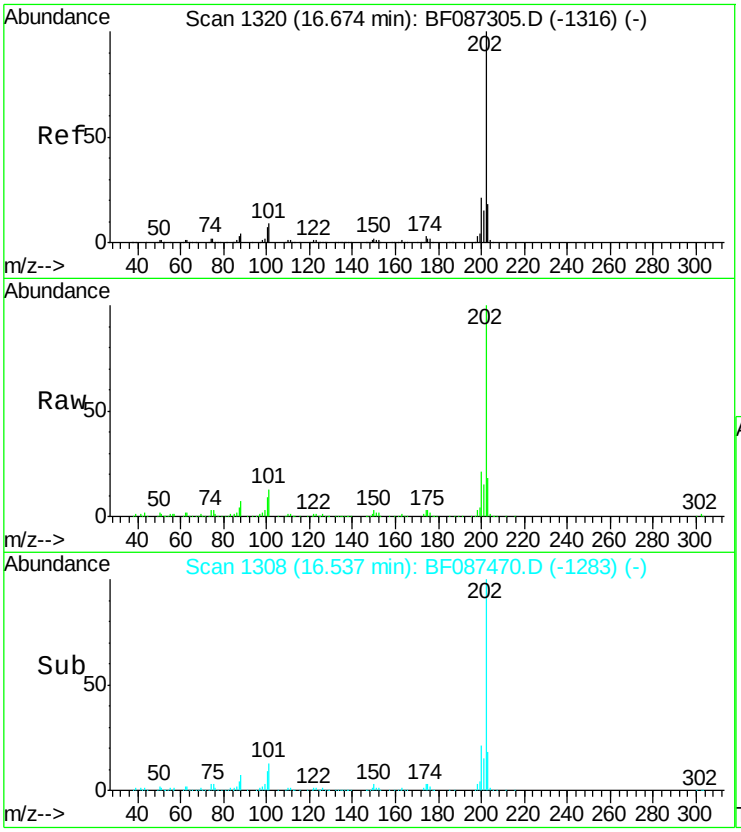


#71
Anthracene
Concen: 2.23 ng
RT: 14.87 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:178 Resp: 43345

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	16.7	12.7	19.1

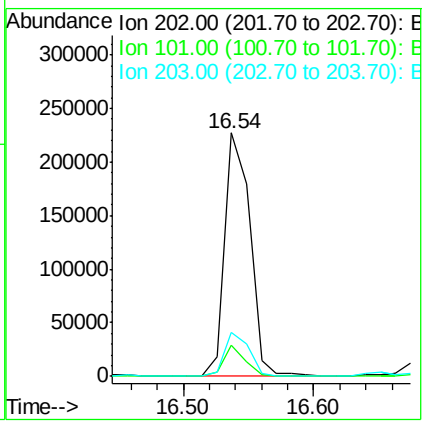




#74
Fluoranthene
Concen: 15.95 ng
RT: 16.54 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:202 Resp: 307449

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	35.4
203	17.8	0.0	38.1



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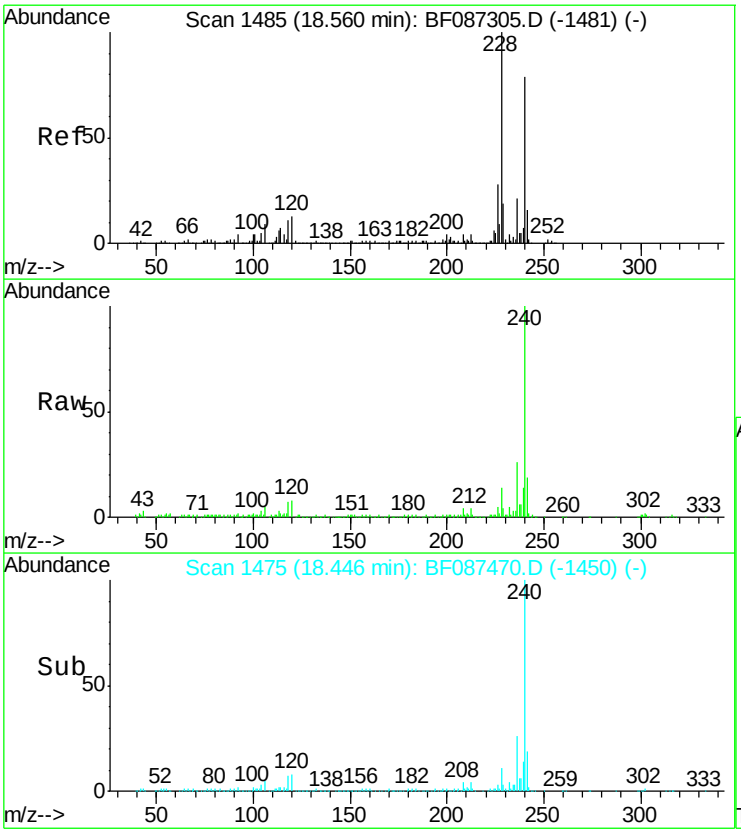
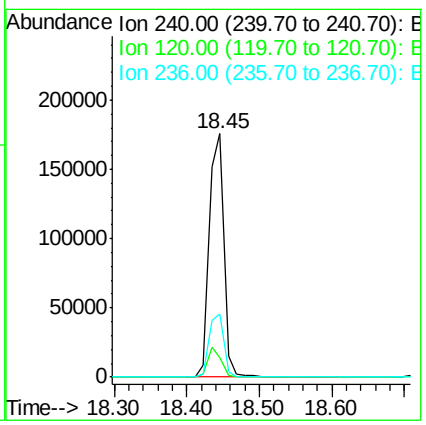
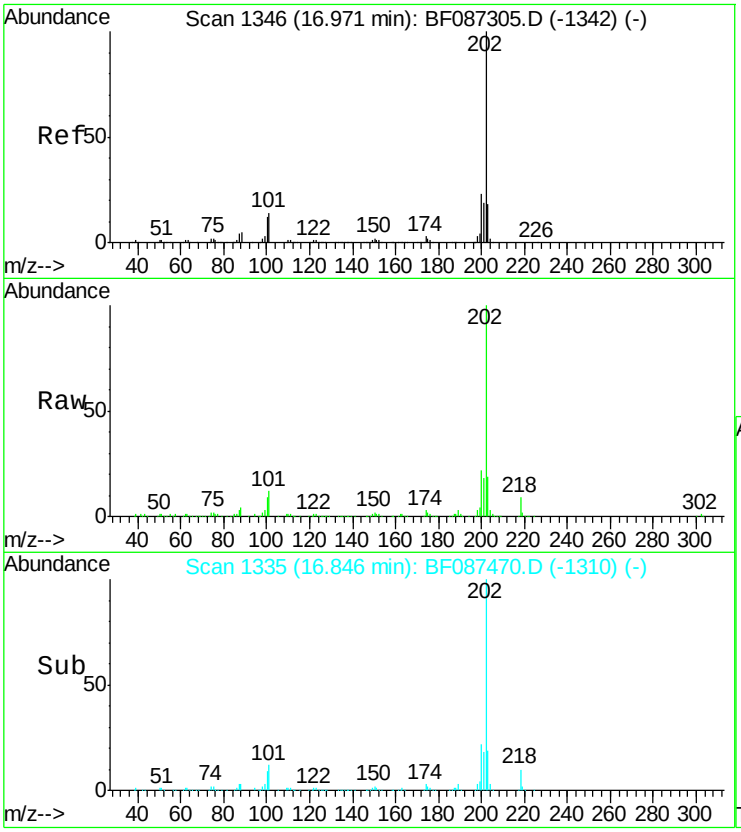


#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.45 min Scan# 1475
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:240 Resp: 246889

Ion	Ratio	Lower	Upper
240	100		
120	7.8	11.2	16.8#
236	25.7	21.2	31.8

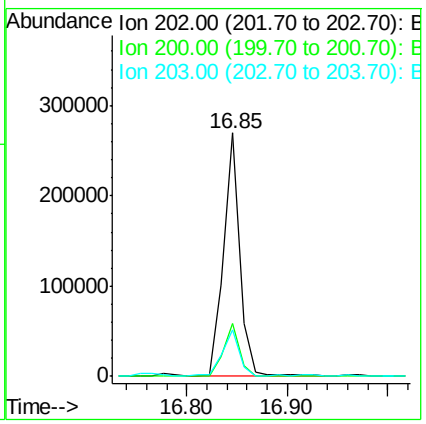




#77
Pyrene
Concen: 16.90 ng
RT: 16.85 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:202 Resp: 300408

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	19.3	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

Manual Integrations APPROVED
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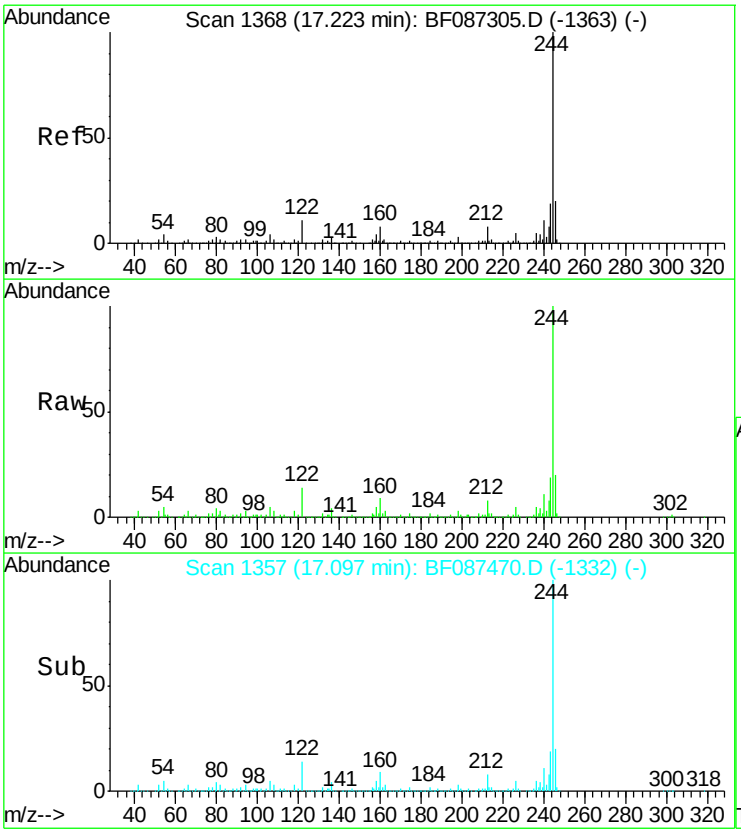
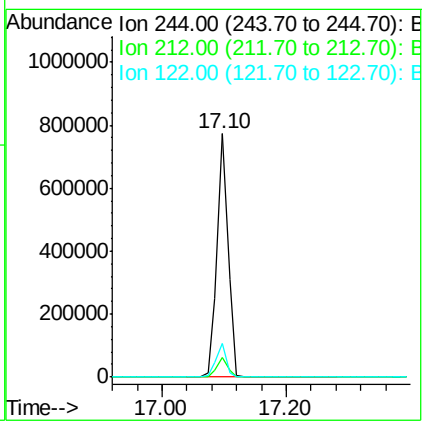
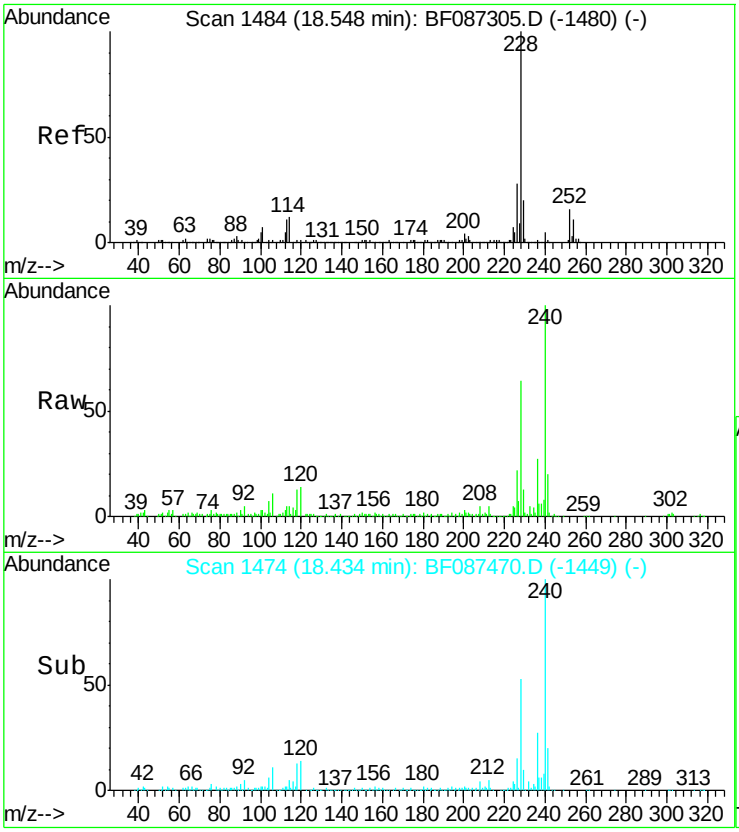


#78
Terphenyl-d14
Concen: 80.49 ng
RT: 17.10 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:244 Resp: 934734

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	14.0	12.0	18.0

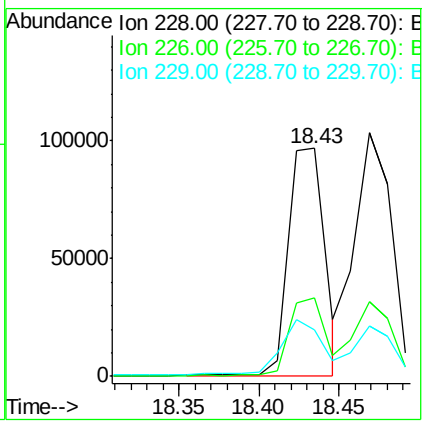




#80
Benzo(a)anthracene
Concen: 11.04 ng m
RT: 18.43 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:228 Resp: 155050

Ion	Ratio	Lower	Upper
228	100		
226	34.2	22.5	33.7#
229	20.3	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
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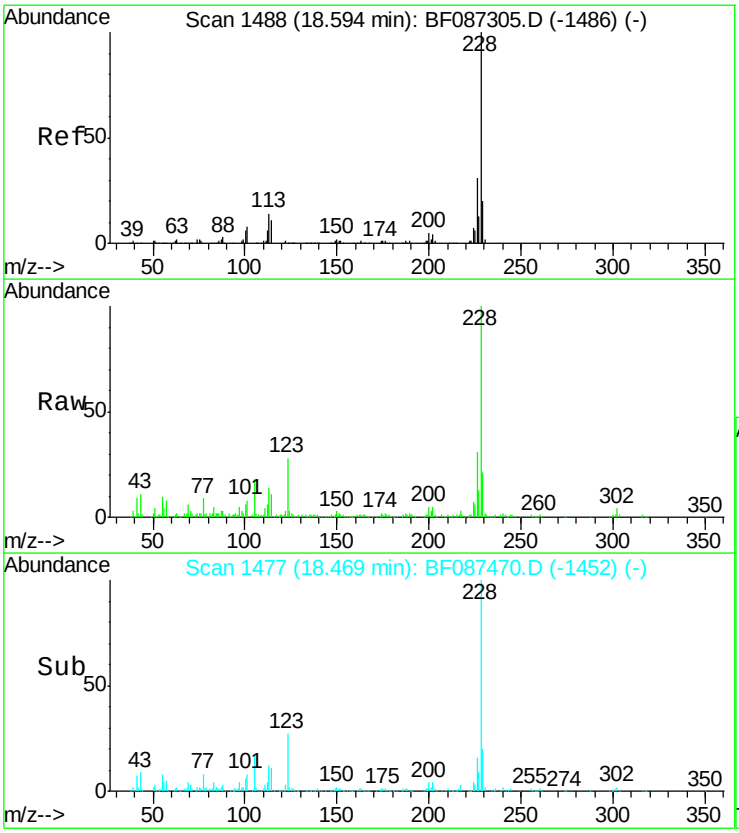
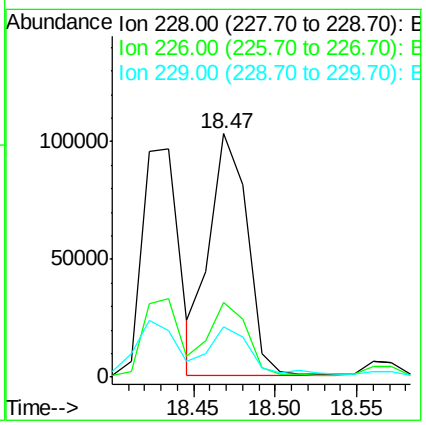
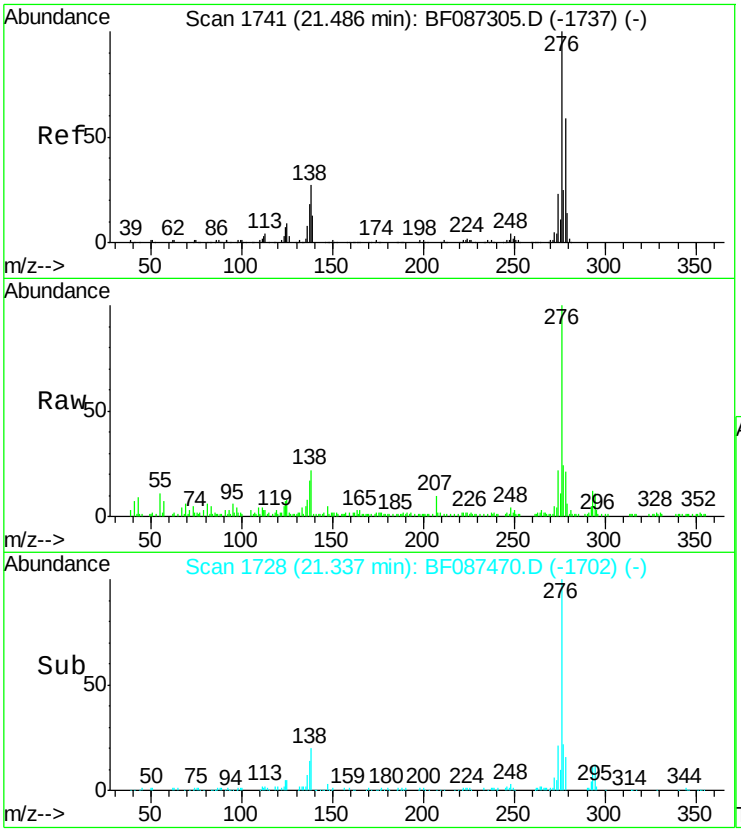


#82
Chrysene
Concen: 11.84 ng
RT: 18.47 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:228 Resp: 164963

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.4	36.6
229	20.6	15.8	23.8





#85
Indeno(1,2,3-cd)pyrene
Concen: 6.17 ng m
RT: 21.34 min Scan# 1728
Delta R.T. 0.00 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:276 Resp: 68947

Ion	Ratio	Lower	Upper
276	100		
138	6.9	25.6	38.4#
277	5.0	20.5	30.7#

Instrument :
BNA_F
ClientSampleId :
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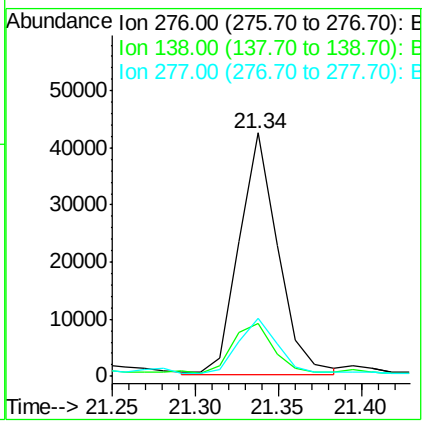
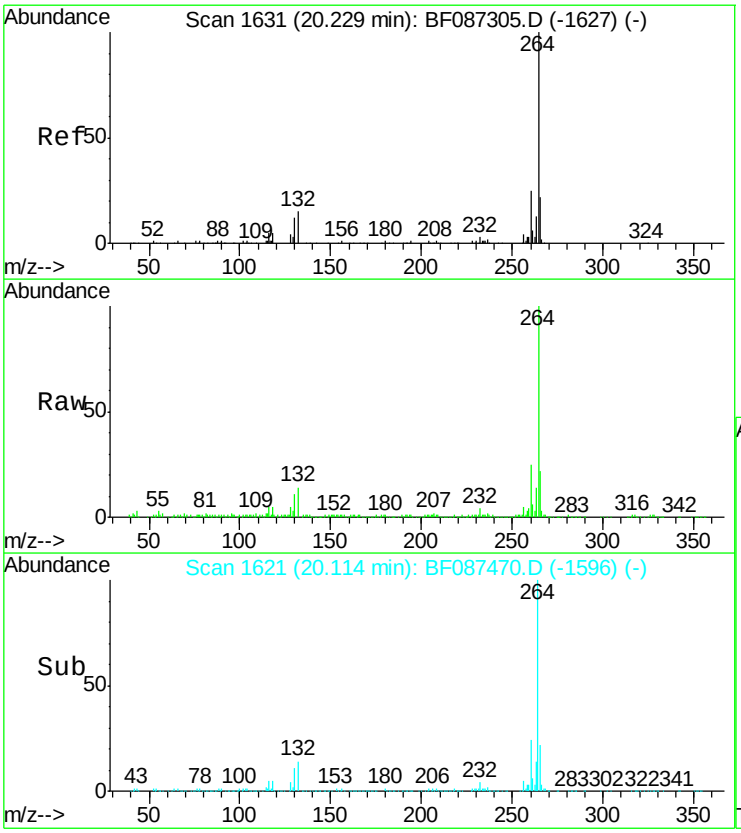
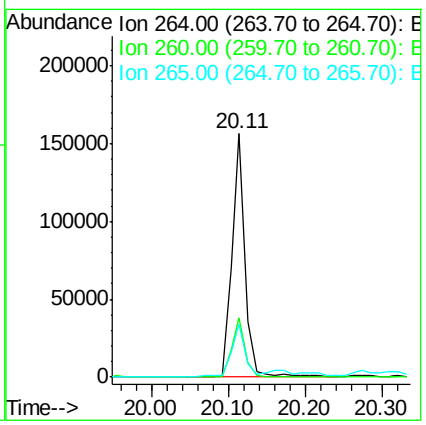


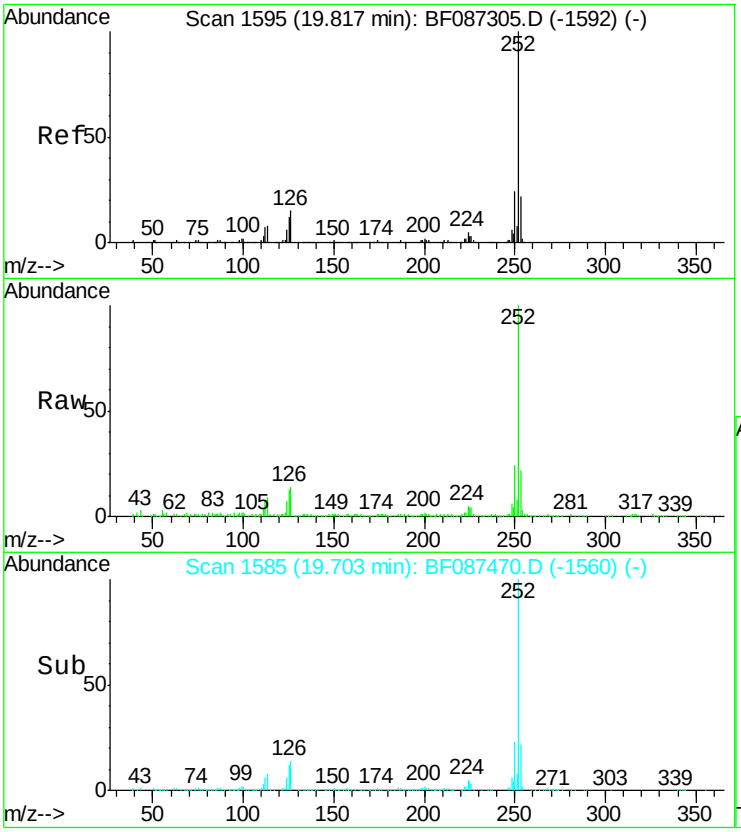


#86
Perylene-d12
Concen: 20.00 ng
RT: 20.11 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:264 Resp: 190093

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.8	17.3	25.9

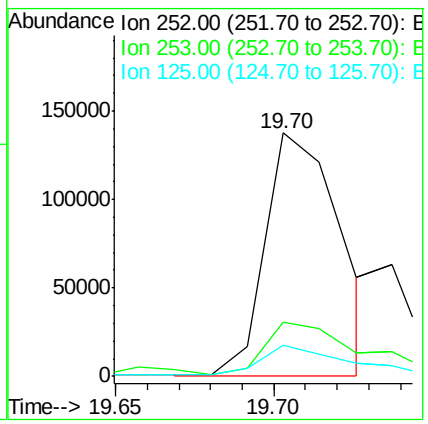




#87
Benzo(b)fluoranthene
Concen: 18.83 ng m
RT: 19.70 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:252 Resp: 228022

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	12.9	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
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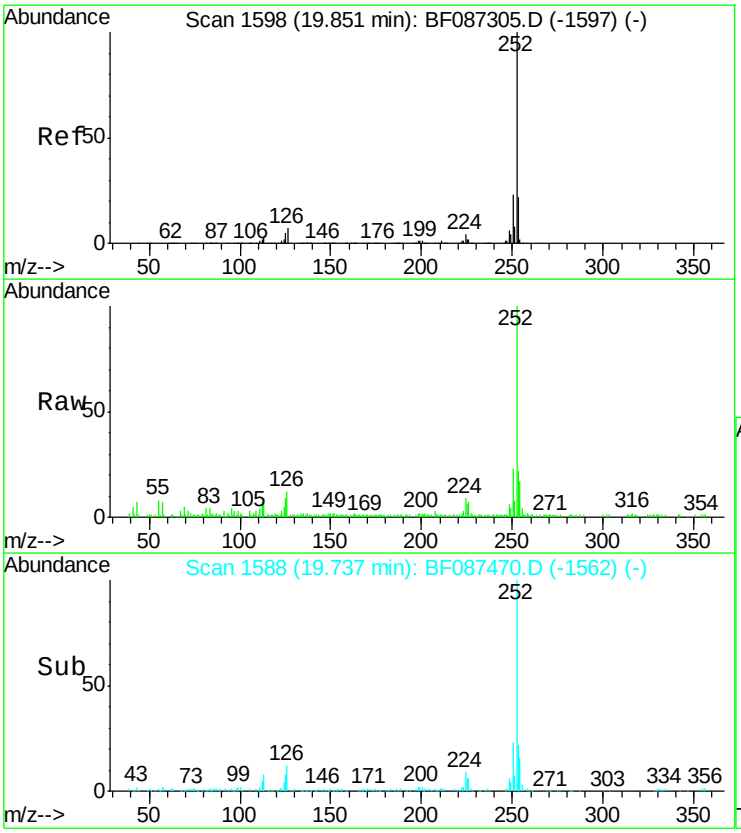
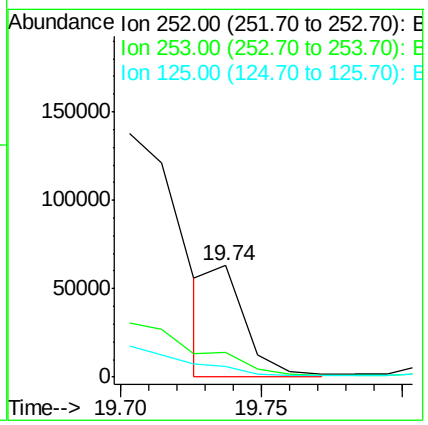
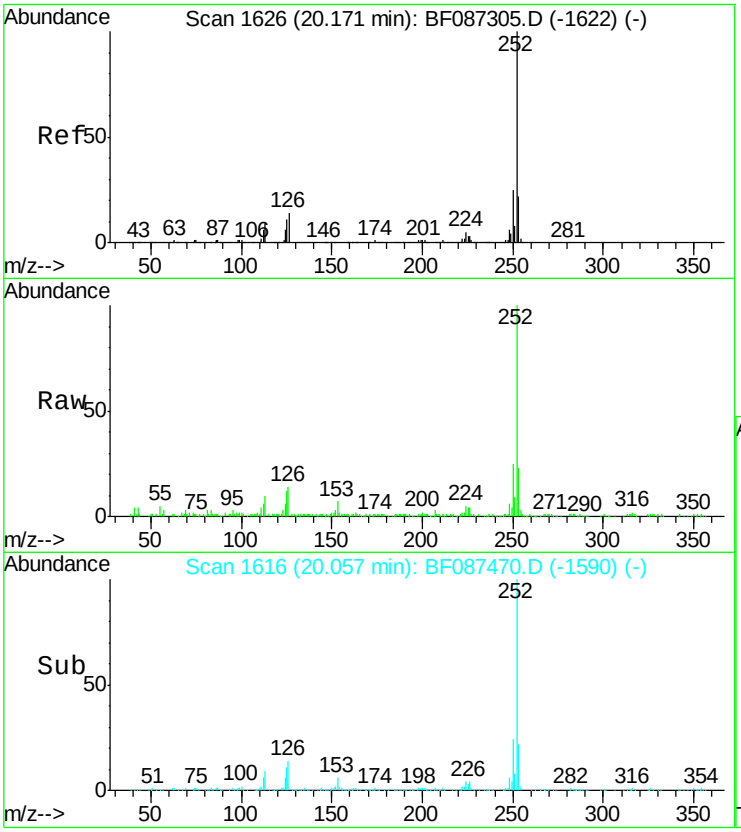


#88
Benzo(k)fluoranthene
Concen: 5.27 ng m
RT: 19.74 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:252 Resp: 54925

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	9.1	9.1	13.7#

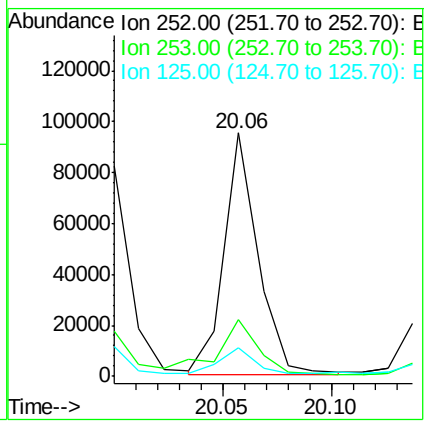




#89
Benzo(a)pyrene
Concen: 9.84 ng
RT: 20.06 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:252 Resp: 103035

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	11.5	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

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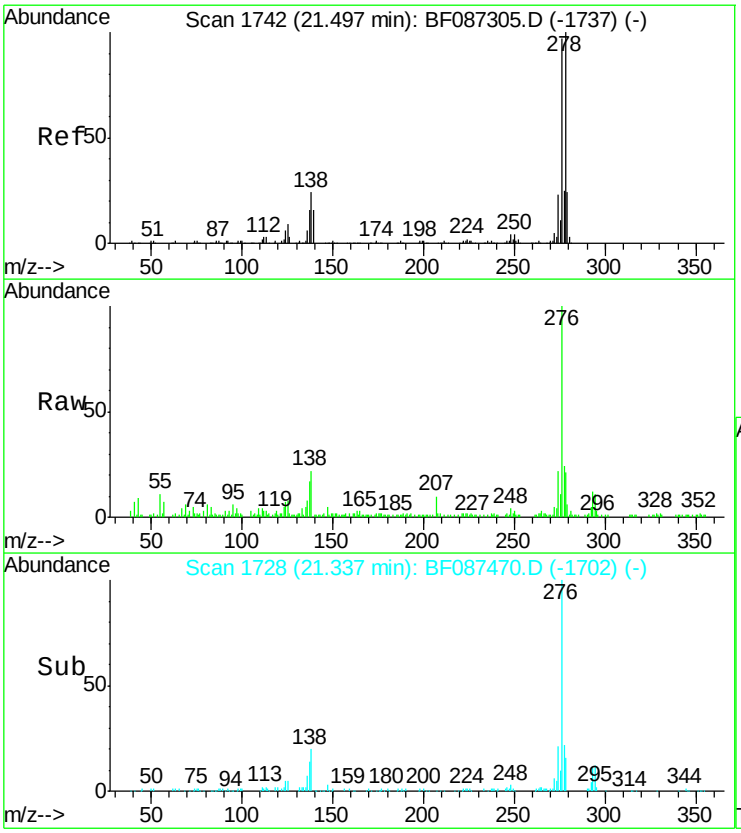
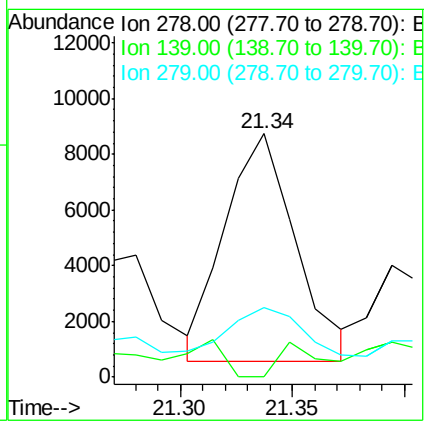
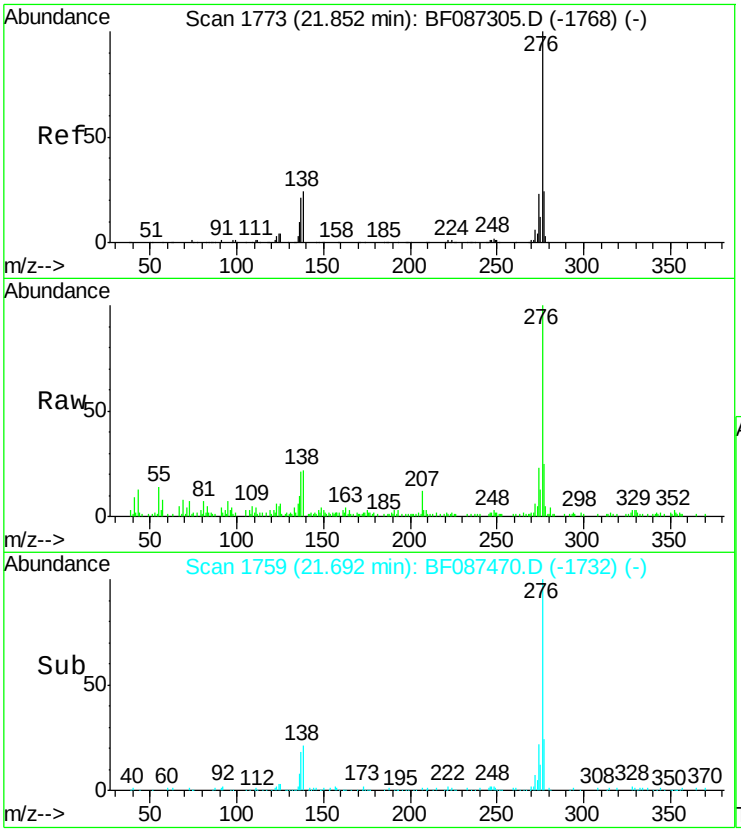


#90
Dibenzo(a,h)anthracene
Concen: 2.01 ng m
RT: 21.34 min Scan# 1728
Delta R.T. 0.00 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:278 Resp: 17939

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	28.5	19.6	29.4

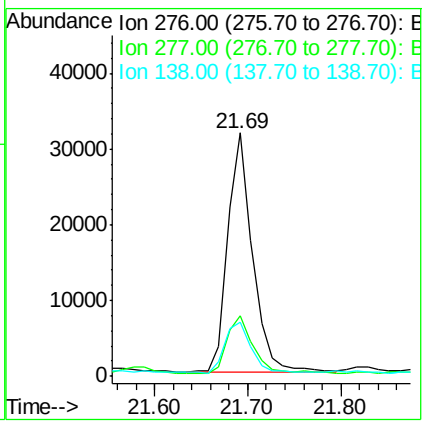




#91
Benzo(g,h,i)perylene
Concen: 6.60 ng
RT: 21.69 min Scan# 1759
Delta R.T. 0.01 min
Lab File: BF087470.D
Acq: 28 May 2016 6:37

Tgt Ion:276 Resp: 58171

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.6	29.4
138	22.4	23.6	35.4#



Instrument :
BNA_F
ClientSampleId :
CHS-STA-1672(0-4)

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