Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095725.D
Acq On : 6 Jun 2017 23:44
Operator : SJ/MA
Sample : I3482-13
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-E

Manual Integrations APPROVED
mohammad
6/7/2017 2:18:51 PM

Quant Time: Jun 07 04:12:11 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 05 16:15:31 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	80288	20.00	ng		-0.02
21) Naphthalene-d8	9.41	136	315496	20.00	ng		-0.02
38) Acenaphthene-d10	12.23	164	129987	20.00	ng		-0.02
63) Phenanthrene-d10	14.63	188	197482	20.00	ng		-0.02
75) Chrysene-d12	18.34	240	157838	20.00	ng		-0.02
86) Perylene-d12	20.01	264	128190	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.27	112	422298	83.81	ng		-0.02
7) Phenol-d6	6.93	99	518516	85.96	ng		-0.02
23) Nitrobenzene-d5	8.30	82	290421	57.17	ng		-0.02
41) 2,4,6-Tribromophenol	13.53	330	85578	74.41	ng		-0.02
44) 2-Fluorobiphenyl	11.19	172	562884	60.26	ng		-0.02
78) Terphenyl-d14	17.00	244	354807	55.79	ng		-0.02
Target Compounds							Qvalue
49) Dimethylphthalate	11.89	163	56559	5.731	ng	#	99
70) Phenanthrene	14.66	178	132185	11.601	ng		98
71) Anthracene	14.76	178	40271m	3.385	ng		
74) Fluoranthene	16.44	202	192279	17.049	ng		99
77) Pyrene	16.74	202	185084	15.716	ng		97
80) Benzo(a)anthracene	18.33	228	74816	8.153	ng		95
82) Chrysene	18.37	228	70452	7.682	ng		98
85) Indeno(1,2,3-cd)pyrene	21.20	276	25882	3.298	ng		97
87) Benzo(b)fluoranthene	19.61	252	71888m	8.956	ng		
88) Benzo(k)fluoranthene	19.64	252	26386m	3.439	ng		
89) Benzo(a)pyrene	19.96	252	54428	7.377	ng	#	96
91) Benzo(g,h,i)perylene	21.53	276	25595	4.012	ng		92

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

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Misc :
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Quant Time: Jun 07 04:12:11 2017
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Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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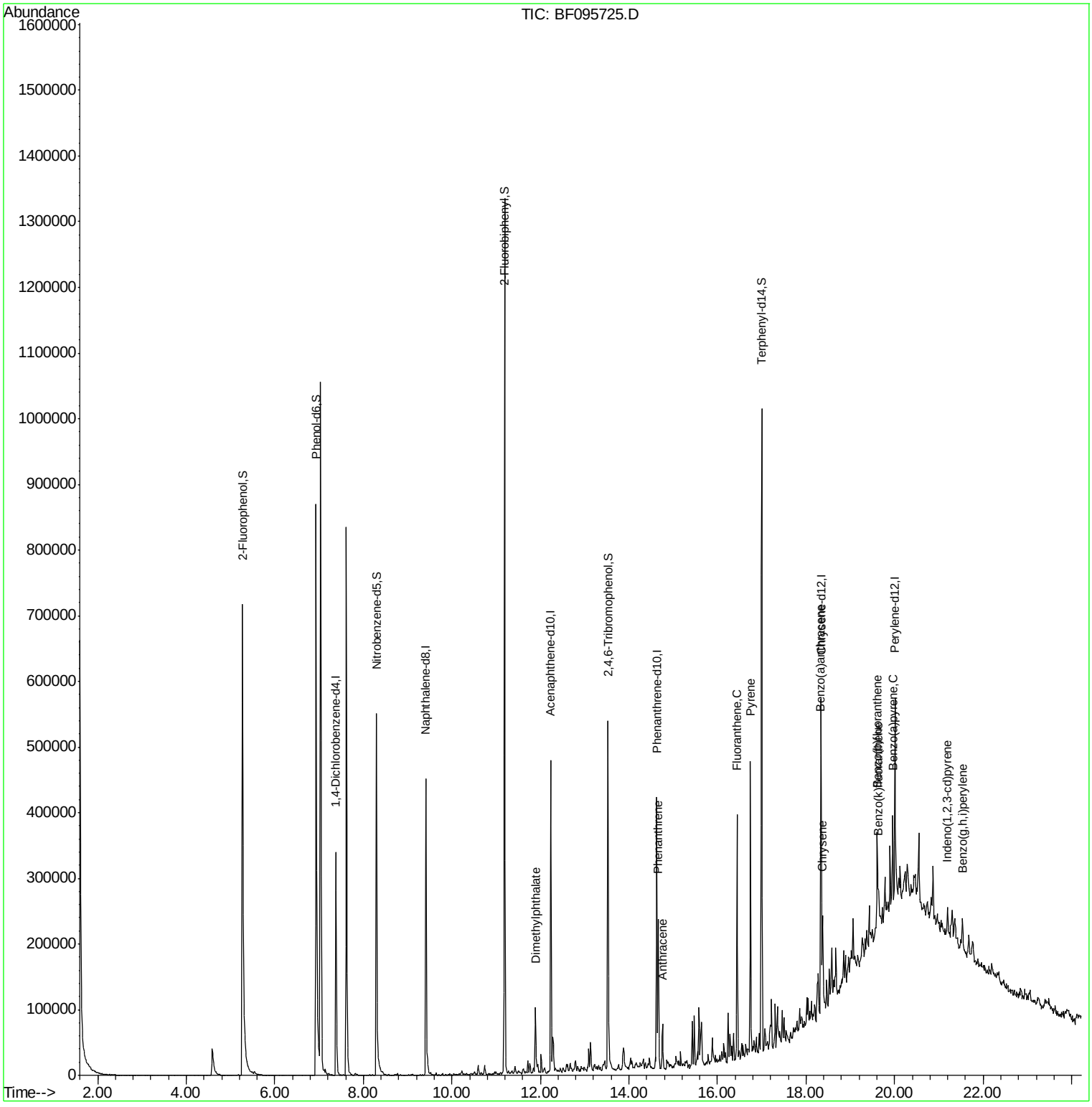
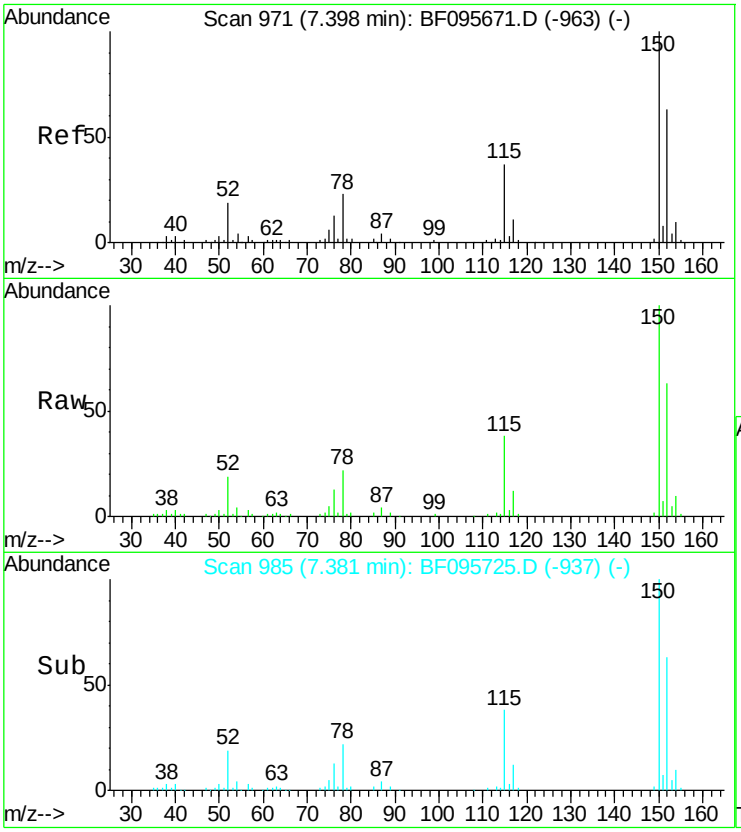
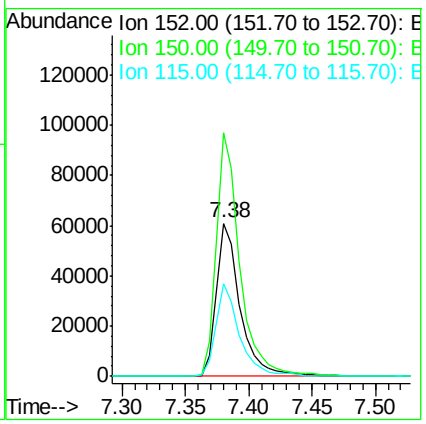




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.38 min Scan# 985
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:152 Resp: 80288

Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.2	189.2
115	60.0	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
CL-01-060517-E

Manual Integrations APPROVED
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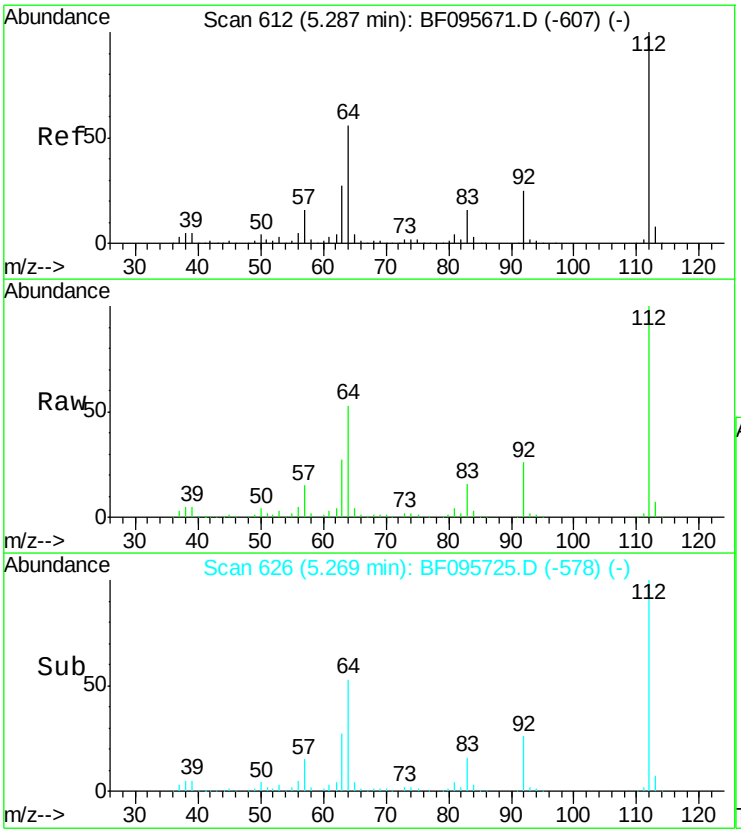
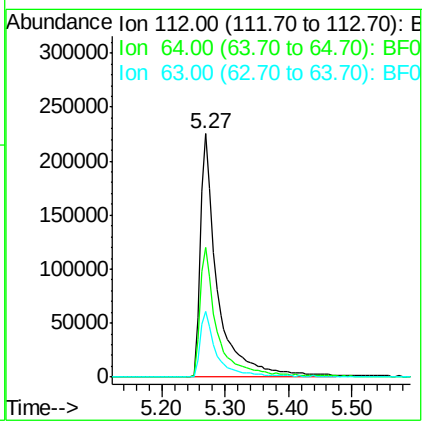
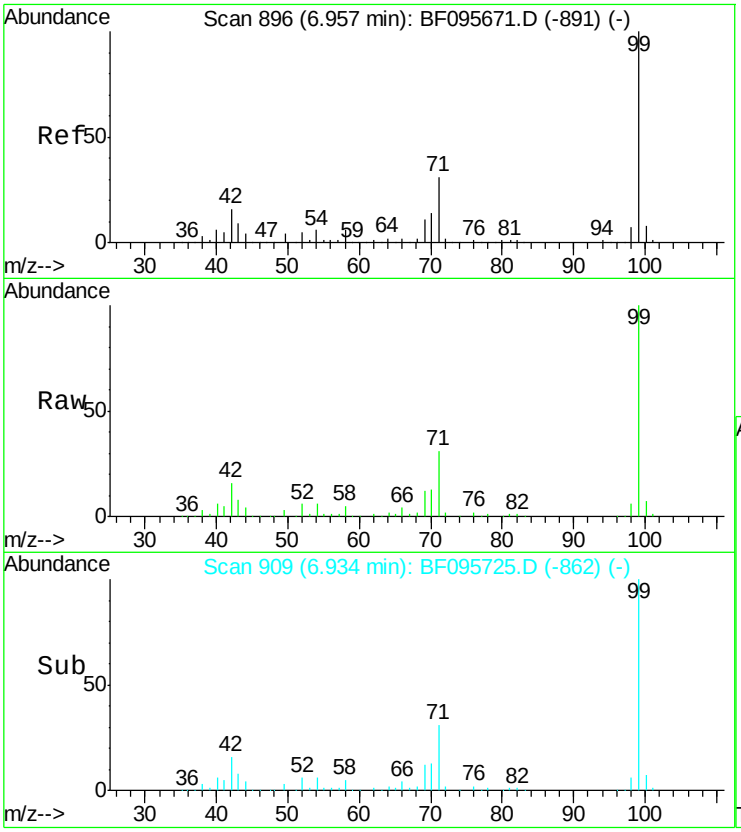


#5
2-Fluorophenol
Concen: 83.812 ng
RT: 5.27 min Scan# 626
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:112 Resp: 422298

Ion	Ratio	Lower	Upper
112	100		
64	53.3	46.0	69.0
63	27.0	23.4	35.0

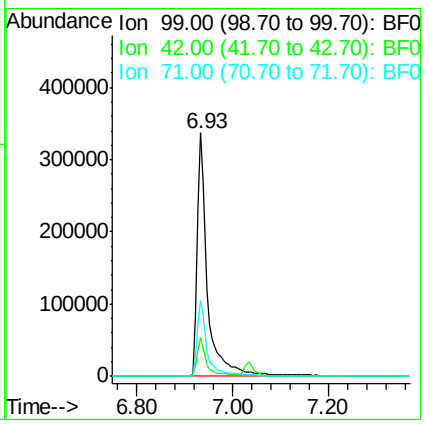




#7
Phenol-d6
Concen: 85.960 ng
RT: 6.93 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion: 99 Resp: 518516

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	31.3	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
CL-01-060517-E

Manual Integrations APPROVED
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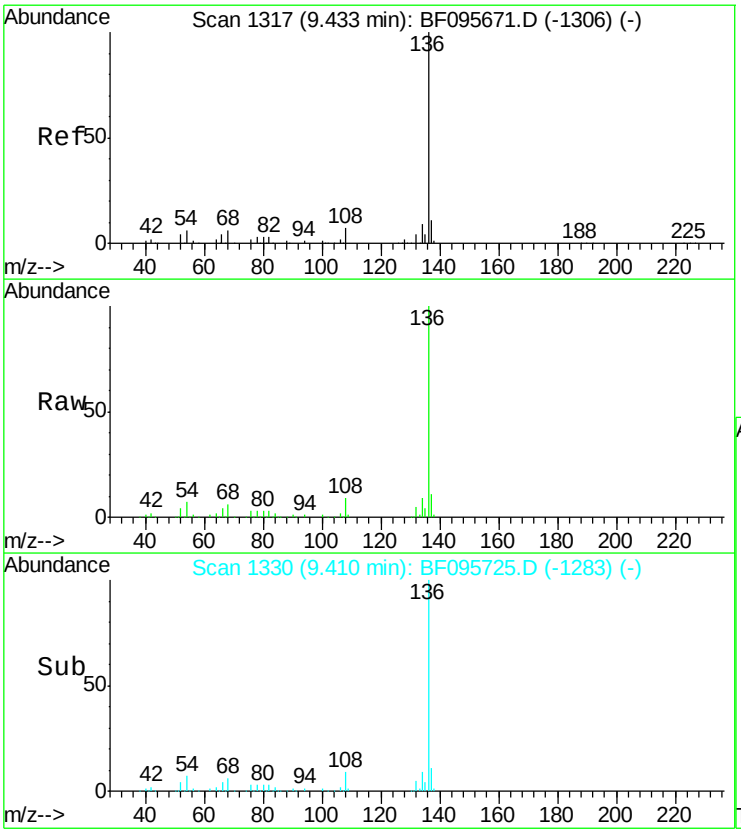
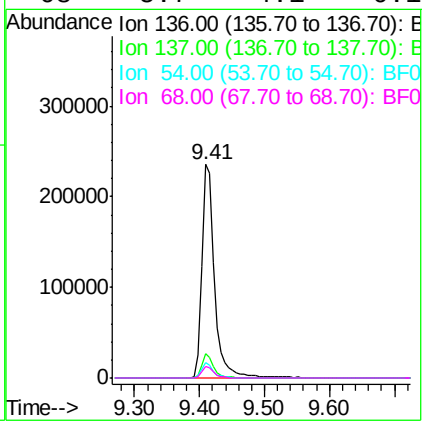
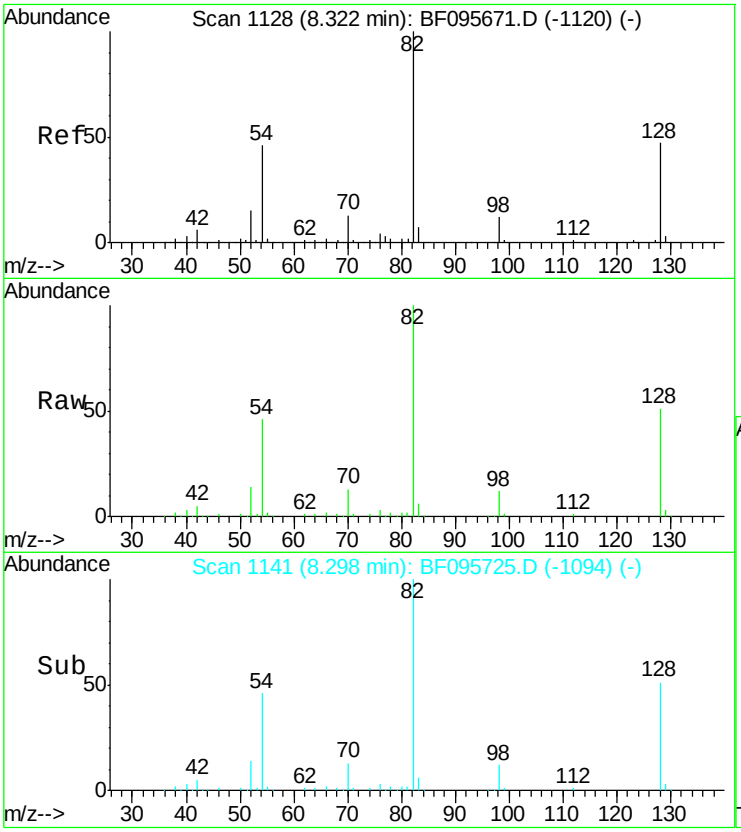


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.41 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:136 Resp: 315496

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	7.0	4.9	7.3
68	5.7	4.1	6.1

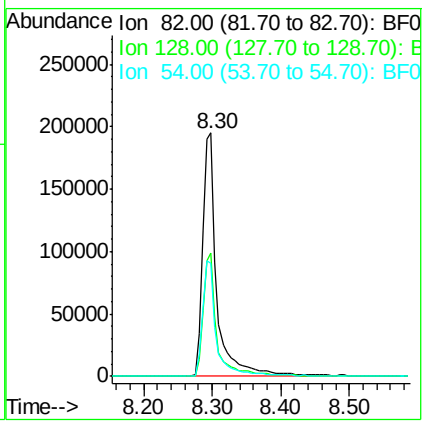




#23
Nitrobenzene-d5
Concen: 57.169 ng
RT: 8.30 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion: 82 Resp: 290421

Ion	Ratio	Lower	Upper
82	100		
128	50.8	34.0	51.0
54	46.2	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
CL-01-060517-E

Manual Integrations APPROVED
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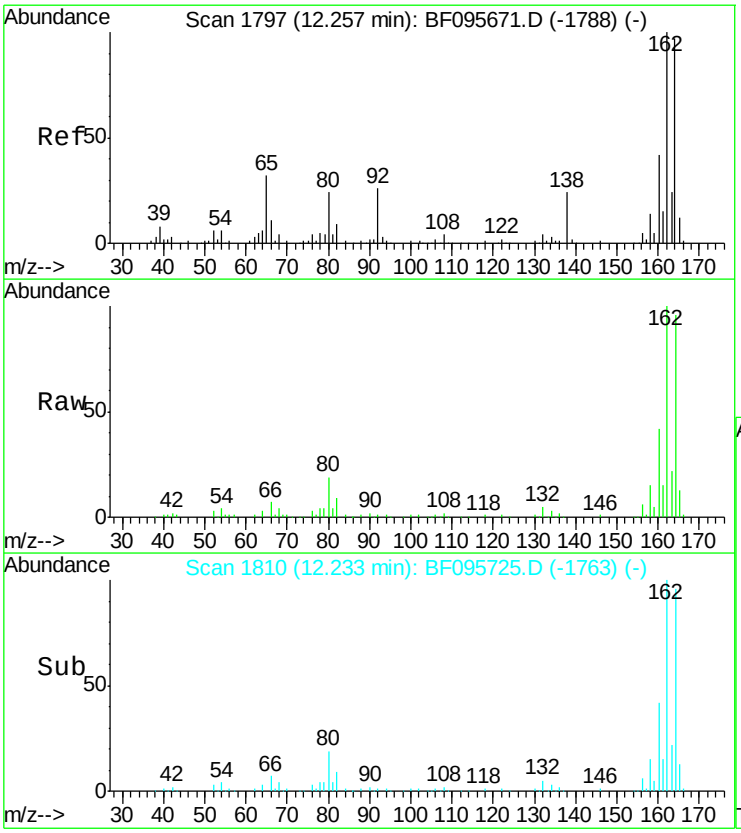
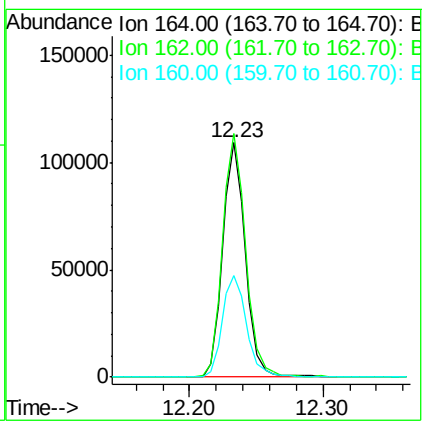
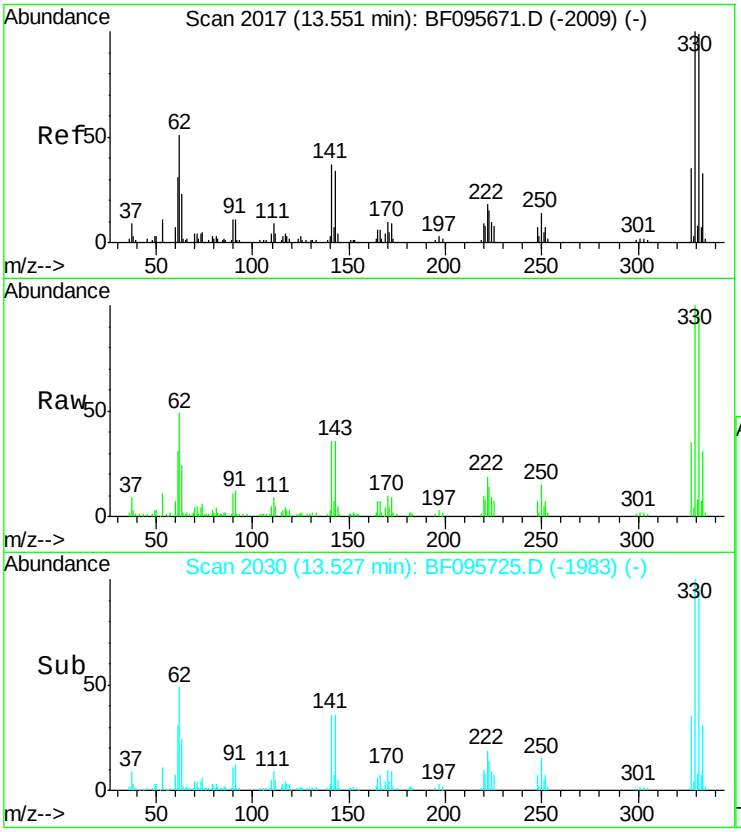


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.23 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:164 Resp: 129987

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.6	123.8
160	43.2	36.2	54.2

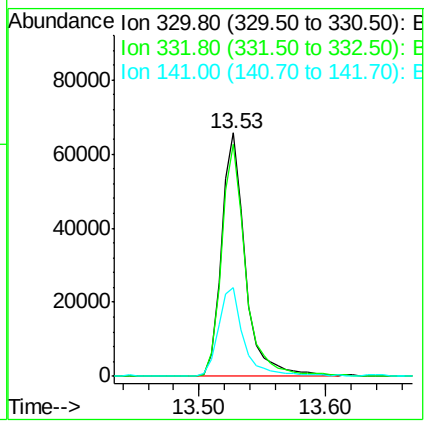




#41
2,4,6-Tribromophenol
Concen: 74.410 ng
RT: 13.53 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:330 Resp: 85578

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	39.4	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
CL-01-060517-E

Manual Integrations APPROVED
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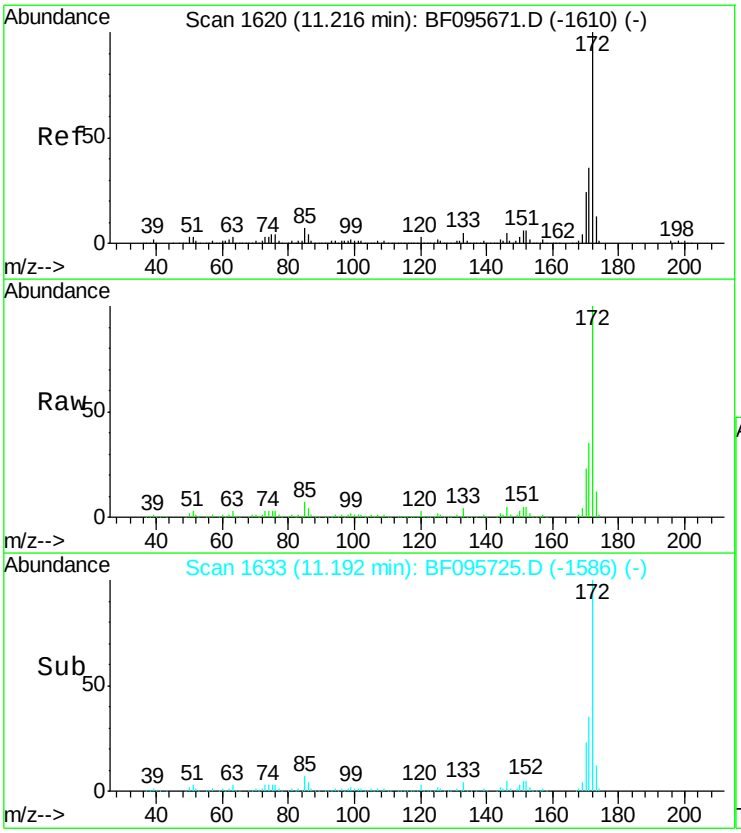
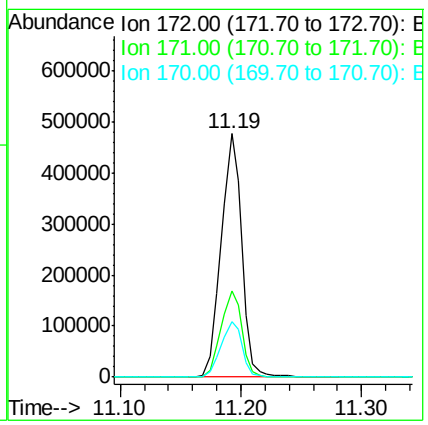
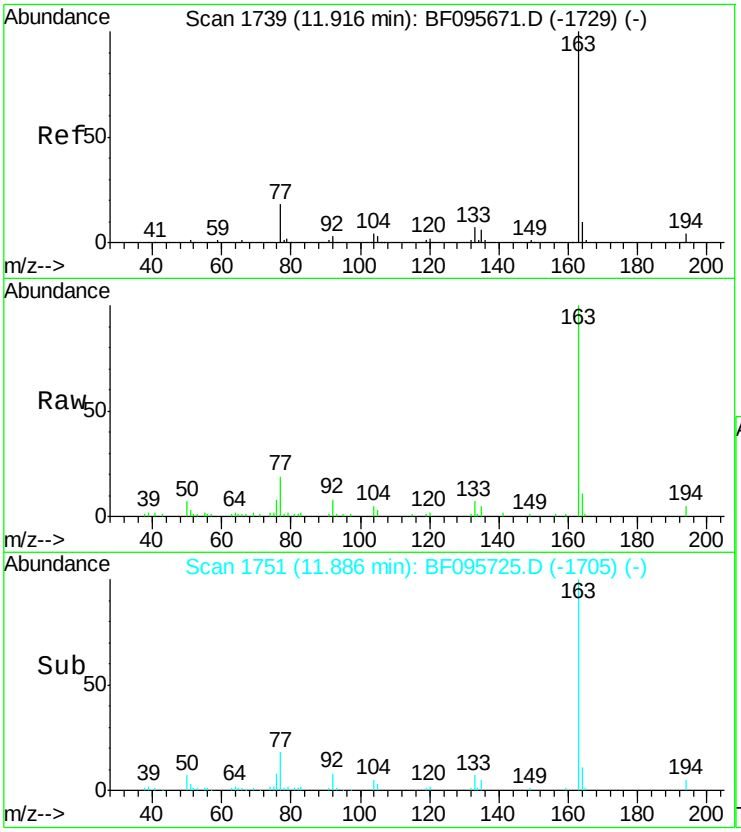


#44
2-Fluorobiphenyl
Concen: 60.260 ng
RT: 11.19 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:172 Resp: 562884

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	22.9	19.8	29.8

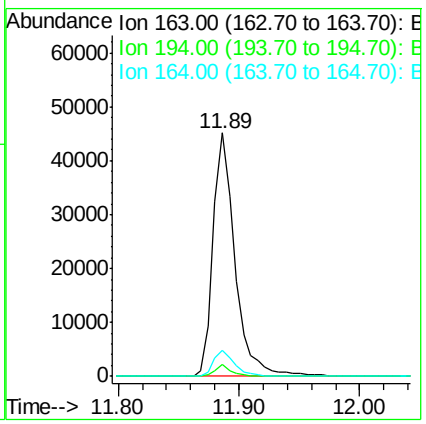




#49
Dimethylphthalate
Concen: 5.731 ng
RT: 11.89 min Scan# 1751
Delta R.T. -0.03 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:163 Resp: 56559

Ion	Ratio	Lower	Upper
163	100		
194	4.8	2.6	4.0#
164	10.6	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
CL-01-060517-E

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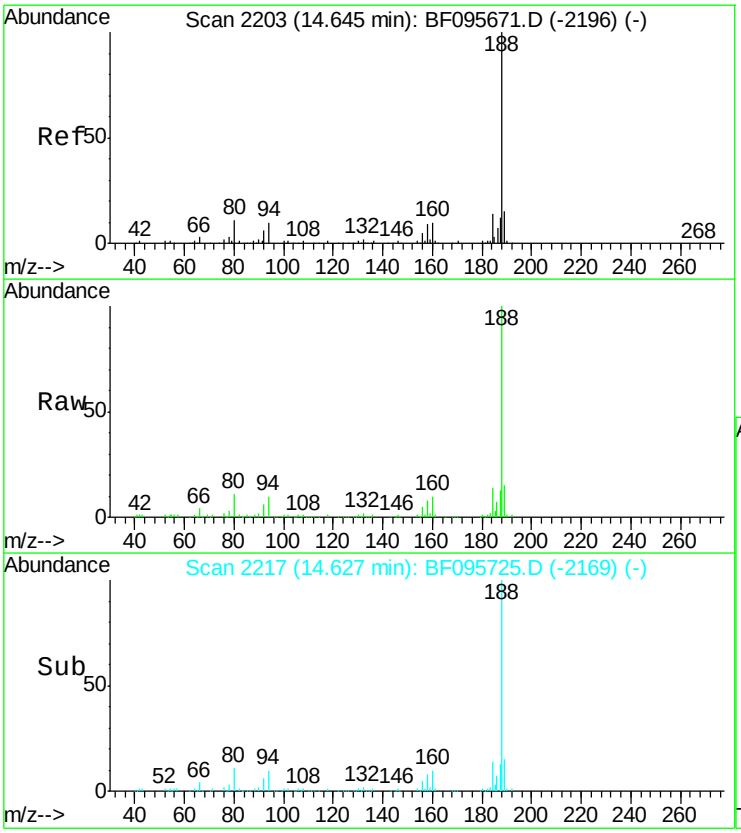
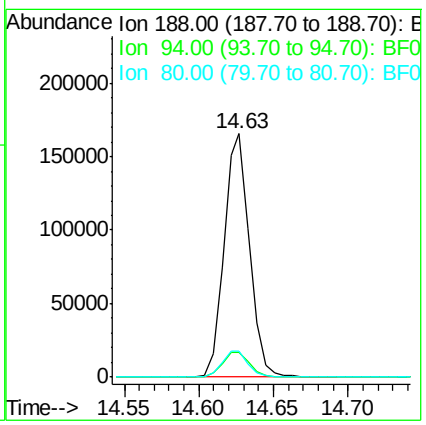
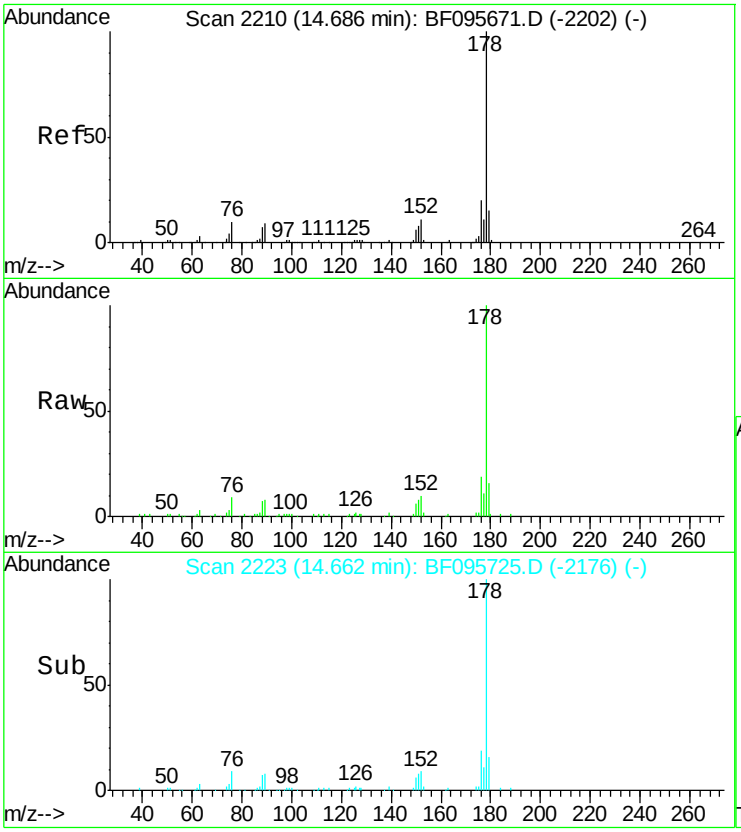


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 2217
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:188 Resp: 197482

Ion	Ratio	Lower	Upper
188	100		
94	10.2	9.4	14.2
80	10.9	10.2	15.2

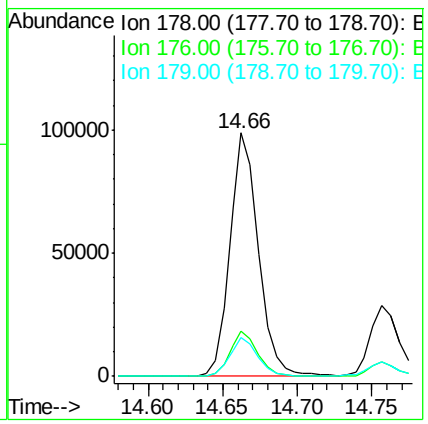




#70
Phenanthrene
Concen: 11.601 ng
RT: 14.66 min Scan# 2223
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:178 Resp: 132185

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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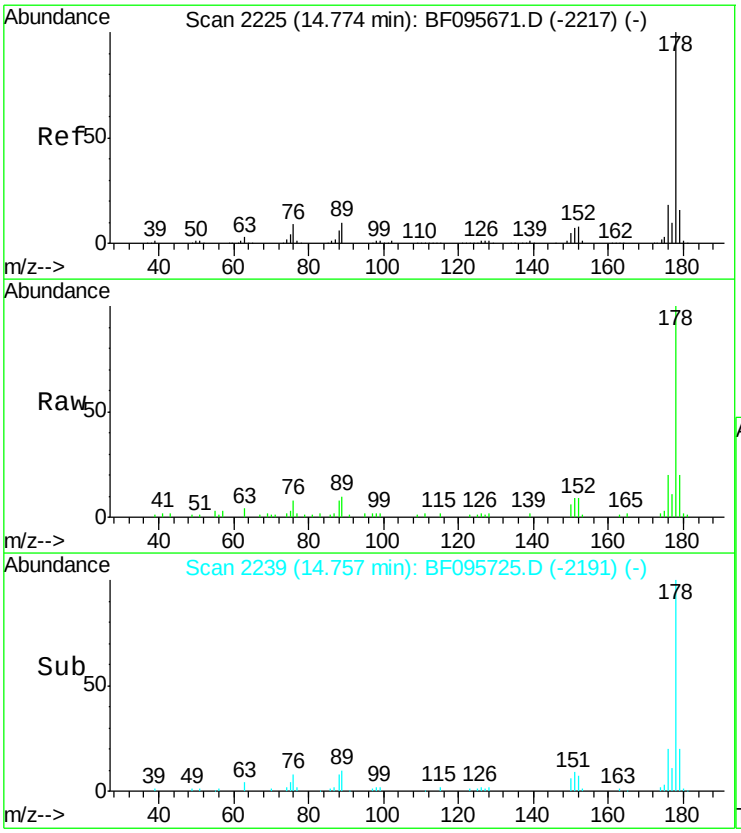
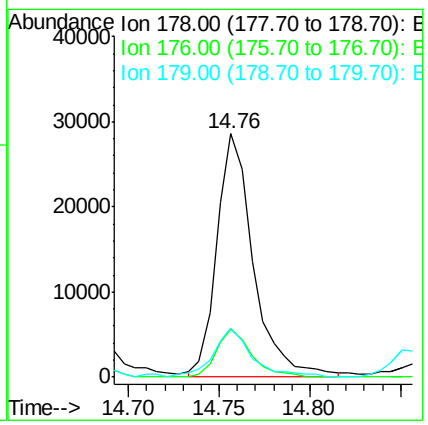
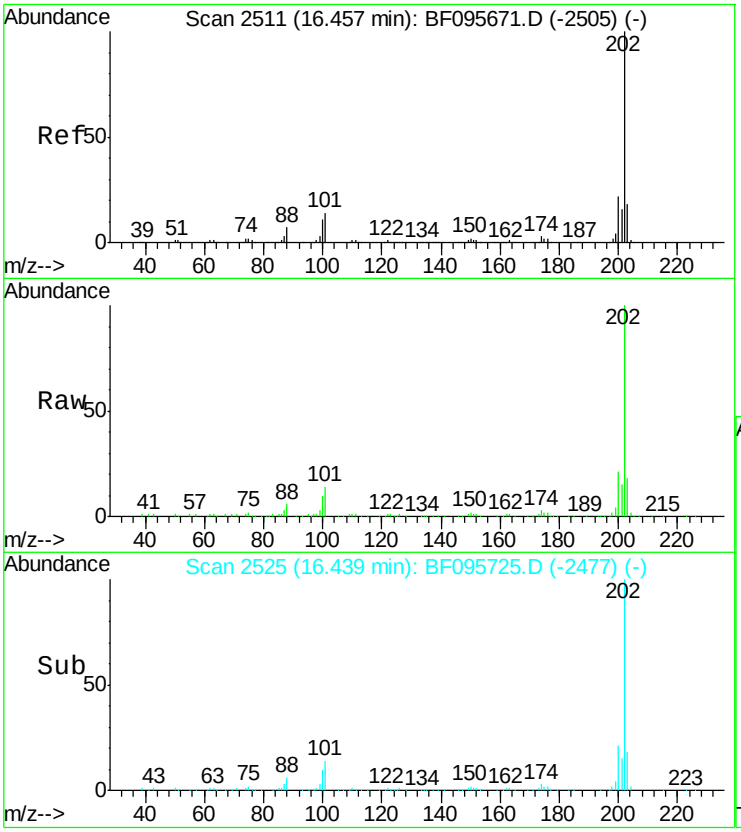


#71
Anthracene
Concen: 3.385 ng m
RT: 14.76 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:178 Resp: 40271

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	20.2	12.7	19.1#

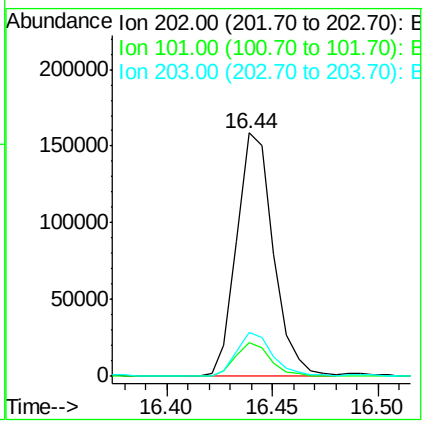




#74
Fluoranthene
Concen: 17.049 ng
RT: 16.44 min Scan# 2525
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:202 Resp: 192279

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.2
203	17.9	0.0	38.1



Instrument :
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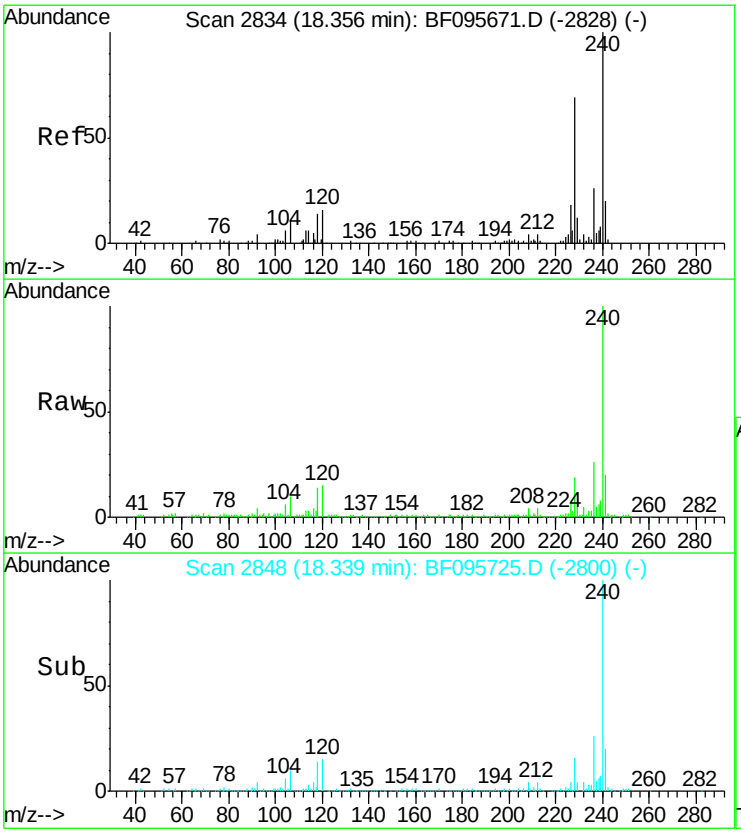
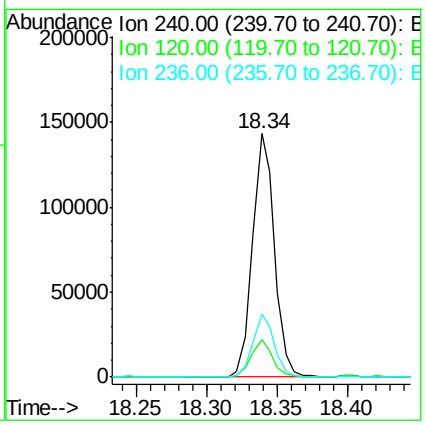
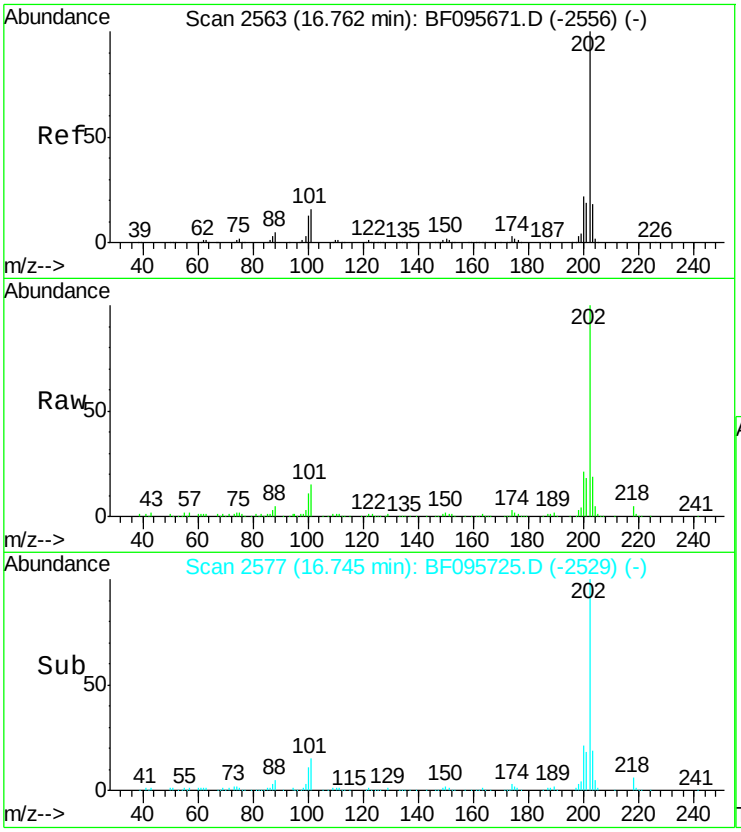


#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.34 min Scan# 2848
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:240 Resp: 157838

Ion	Ratio	Lower	Upper
240	100		
120	15.4	5.8	8.8#
236	26.0	20.5	30.7

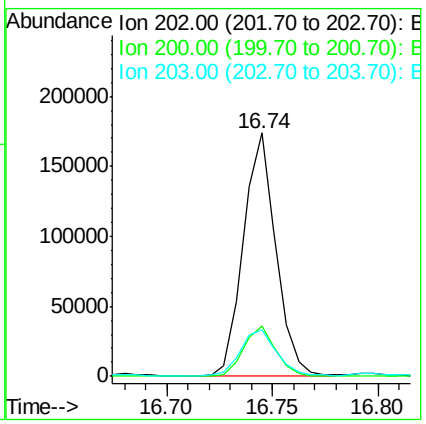




#77
Pyrene
Concen: 15.716 ng
RT: 16.74 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:202 Resp: 185084

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	19.2	14.4	21.6



Instrument :
BNA_F
ClientSampleId :
CL-01-060517-E

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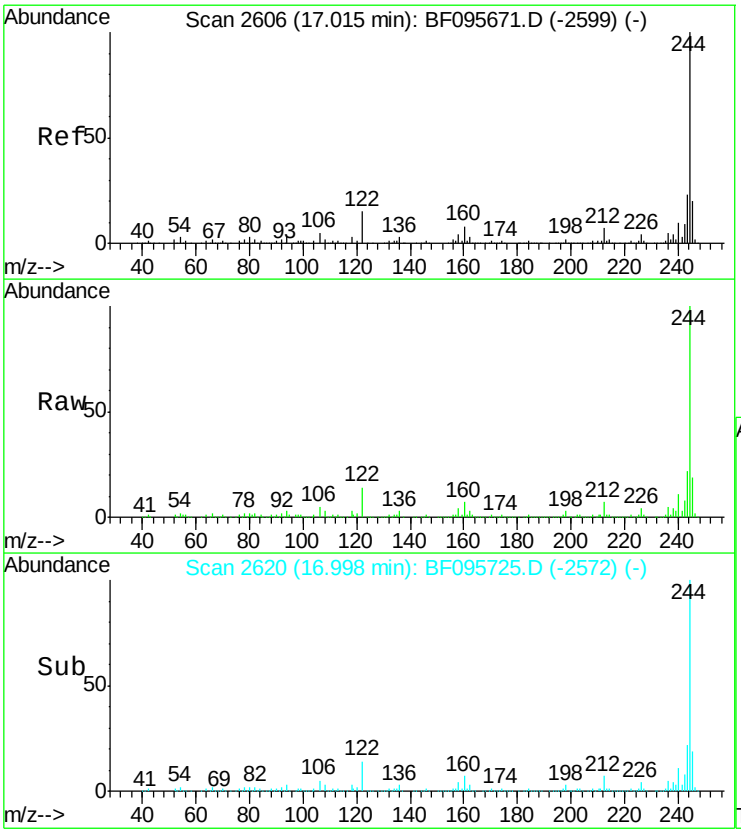
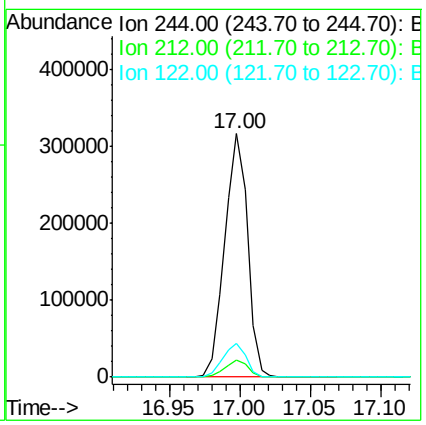
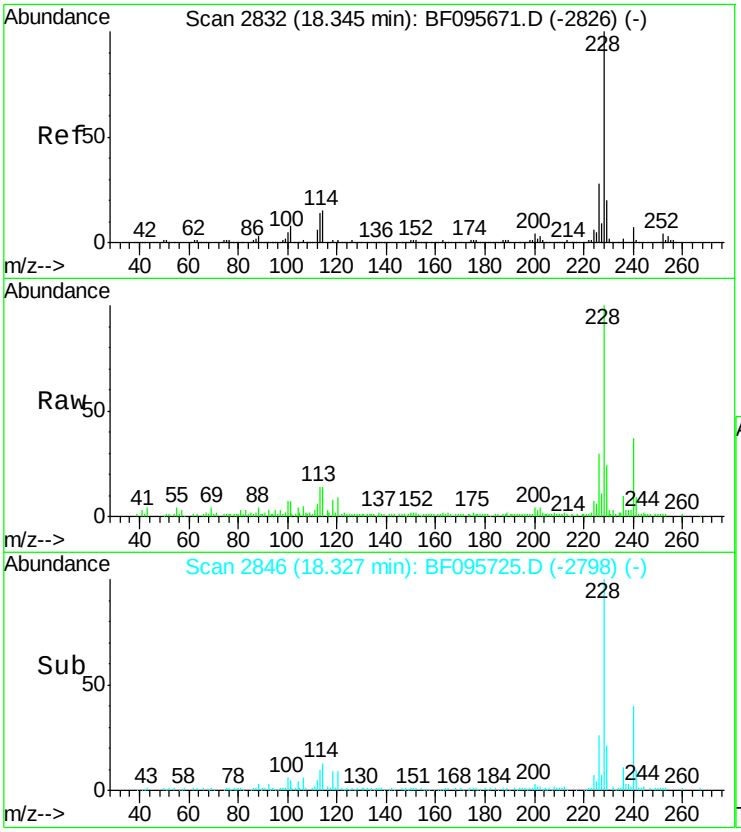


#78
Terphenyl-d14
Concen: 55.787 ng
RT: 17.00 min Scan# 2620
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:244 Resp: 354807

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.9	10.3	15.5

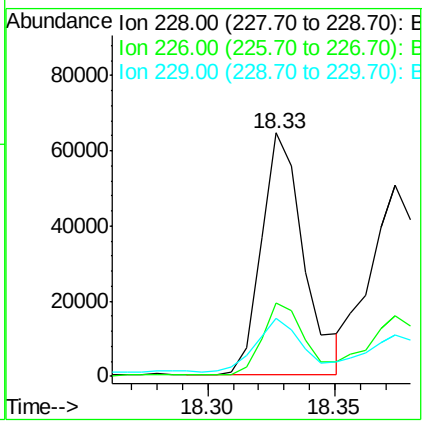




#80
Benzo(a)anthracene
Concen: 8.153 ng
RT: 18.33 min Scan# 2846
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:228 Resp: 74816

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	24.0	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
CL-01-060517-E

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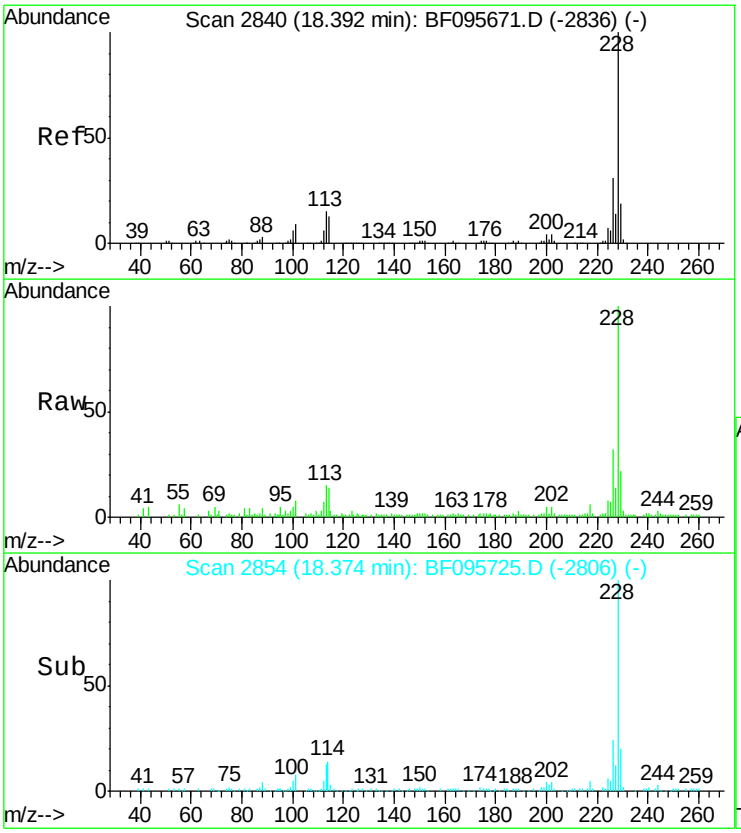
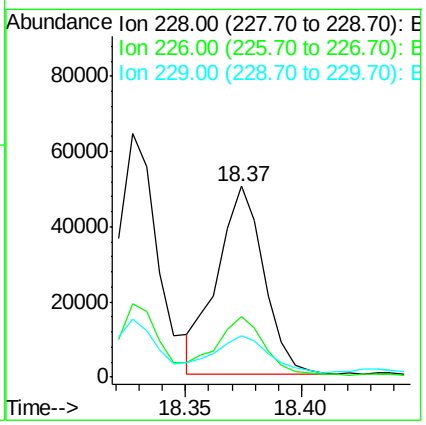
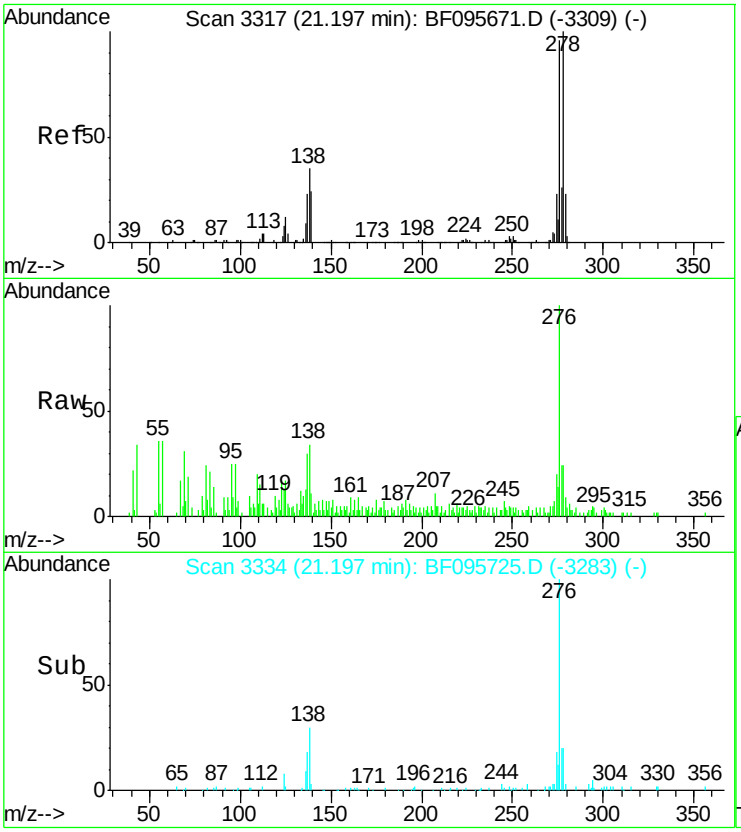


#82
Chrysene
Concen: 7.682 ng
RT: 18.37 min Scan# 2854
Delta R.T. -0.02 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:228 Resp: 70452

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.9	37.3
229	21.7	15.8	23.6





#85
Indeno(1,2,3-cd)pyrene
Concen: 3.298 ng
RT: 21.20 min Scan# 3334
Delta R.T. -0.00 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:276 Resp: 25882

Ion	Ratio	Lower	Upper
276	100		
138	32.3	27.8	41.6
277	24.4	20.2	30.4

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-E

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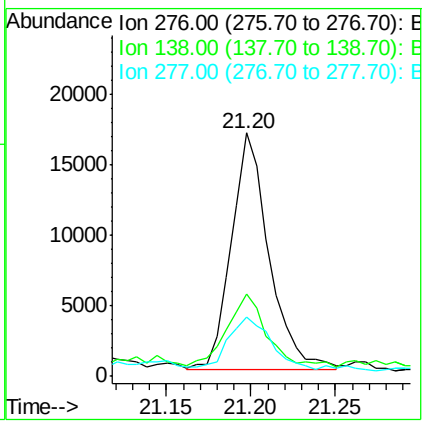
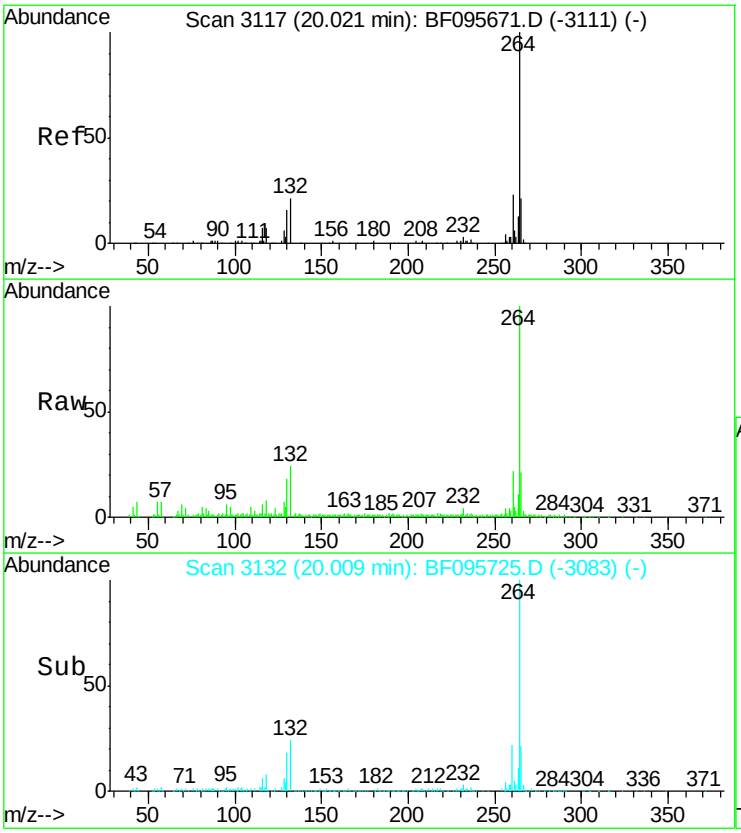
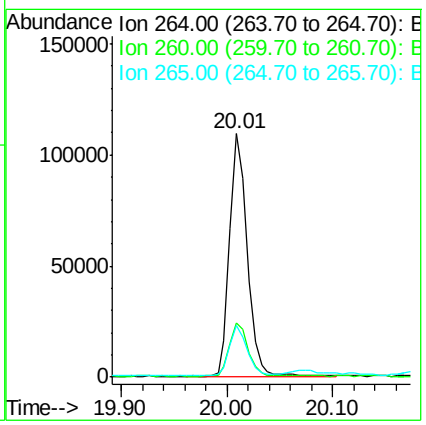


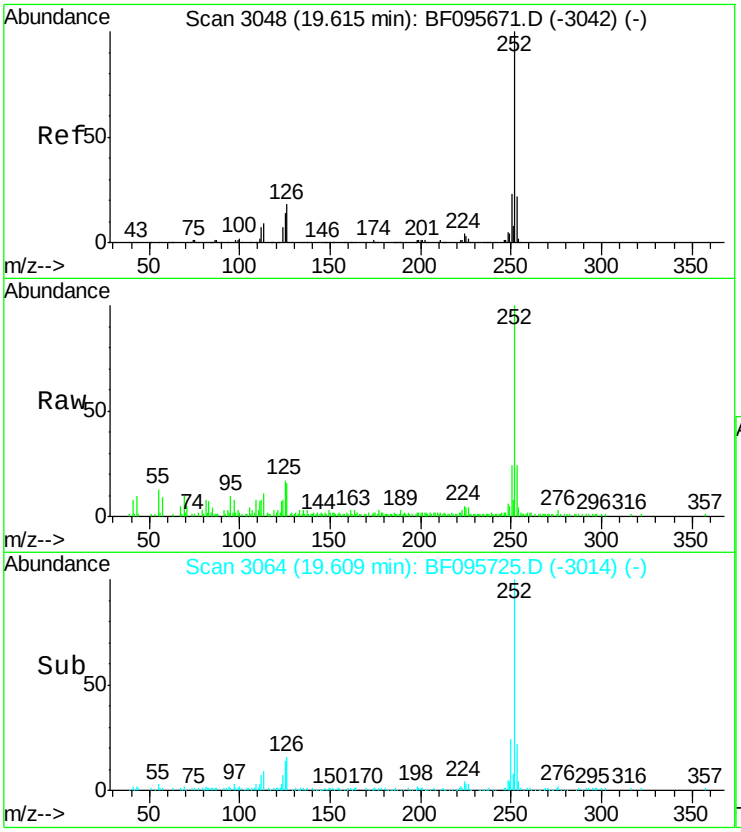


#86
Perylene-d12
Concen: 20.000 ng
RT: 20.01 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:264 Resp: 128190

Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.5	29.3
265	21.3	17.2	25.8





#87
Benzo(b)fluoranthene
Concen: 8.956 ng m
RT: 19.61 min Scan# 3064
Delta R.T. -0.01 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:252 Resp: 71888

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	16.7	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-E

Manual Integrations APPROVED
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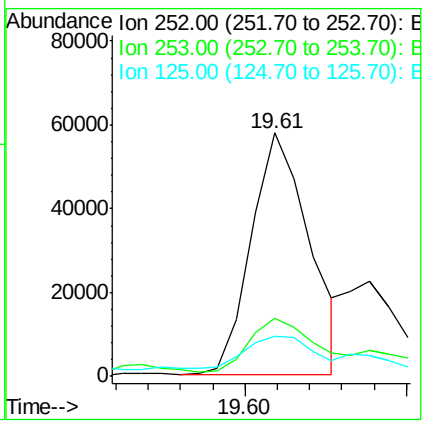
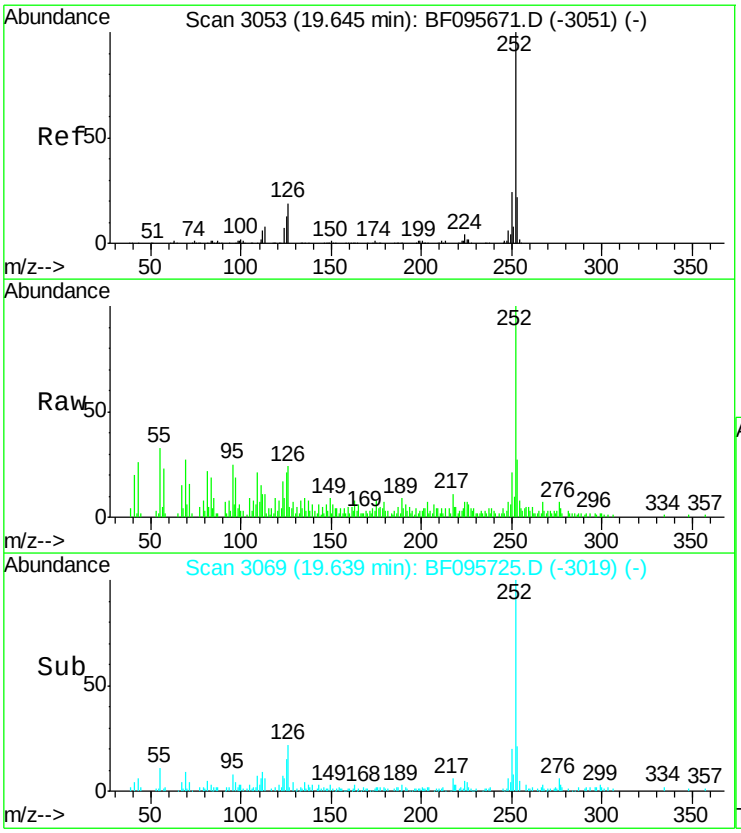
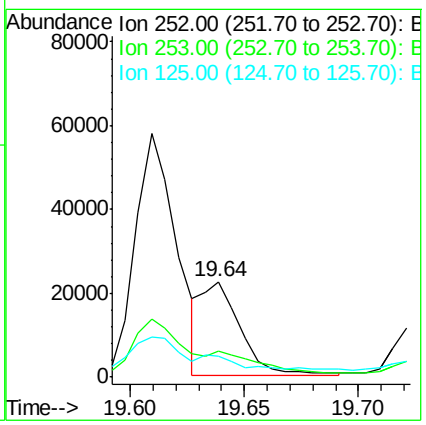


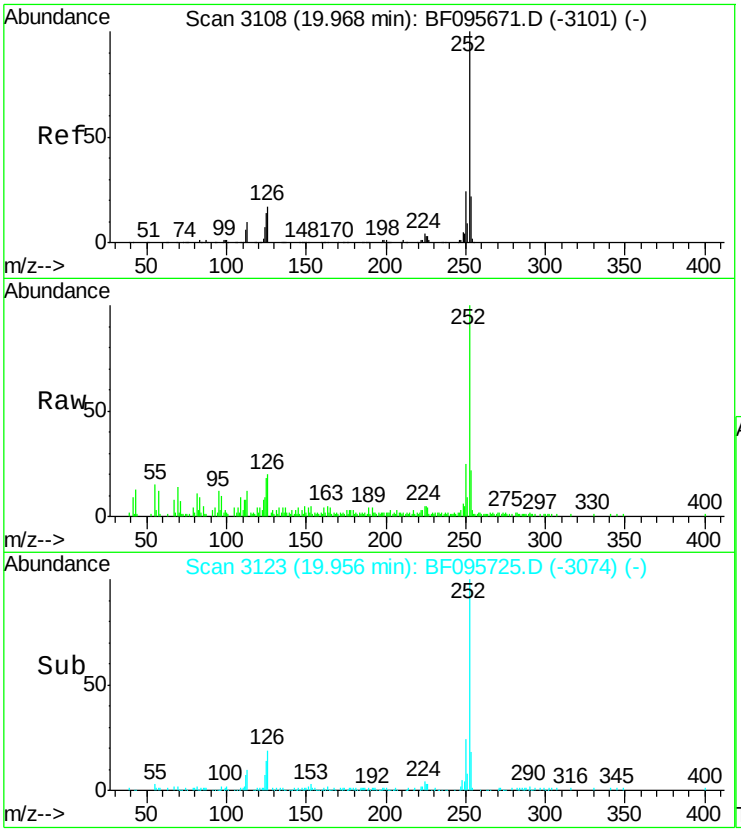


#88
Benzo(k)fluoranthene
Concen: 3.439 ng m
RT: 19.64 min Scan# 3069
Delta R.T. -0.01 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:252 Resp: 26386

Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.4	27.6
125	21.2	13.1	19.7#





#89
Benzo(a)pyrene
Concen: 7.377 ng
RT: 19.96 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:252 Resp: 54428

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	17.6	11.0	16.4#

Instrument :
BNA_F
ClientSampleId :
CL-01-060517-E

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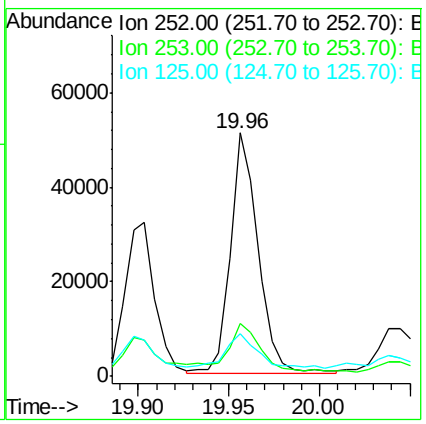

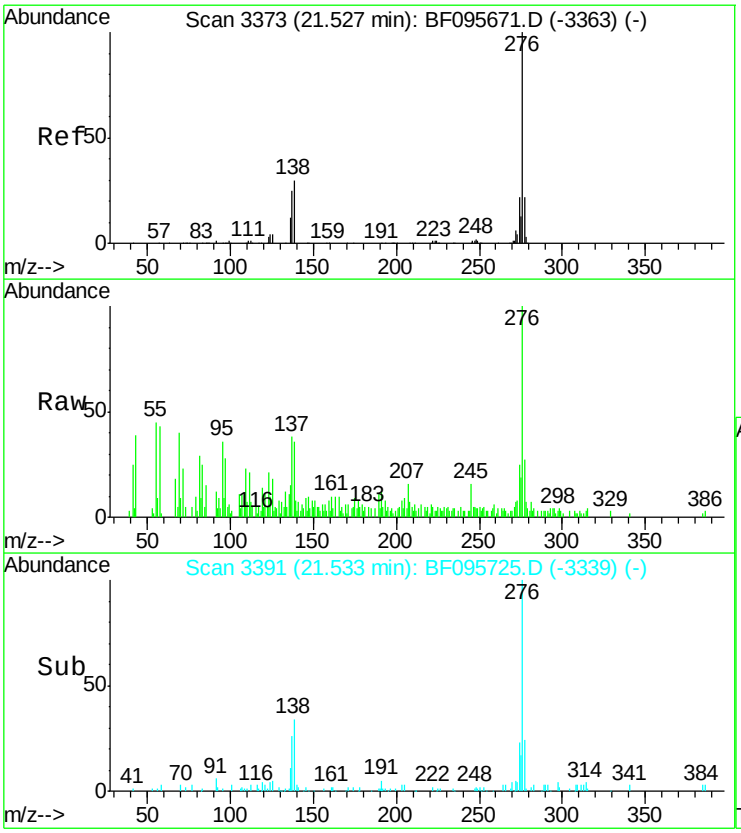

#91
Benzo(g,h,i)perylene
Concen: 4.012 ng
RT: 21.53 min Scan# 3391
Delta R.T. 0.01 min
Lab File: BF095725.D
Acq: 6 Jun 2017 23:44

Tgt Ion:276 Resp: 25595

Ion	Ratio	Lower	Upper
276	100		
277	27.5	18.6	28.0
138	36.0	25.4	38.0