Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060517\
Data File : BF095689.D
Acq On : 5 Jun 2017 23:45
Operator : SJ/MA
Sample : I3449-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CARSONS-STOCKPILE(COMP)

Manual Integrations APPROVED
mohammad
6/6/2017 5:13:01 PM

Quant Time: Jun 06 02:40:34 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	7.40	152	114809	20.00	ng	0.00
21) Naphthalene-d8	9.42	136	395010	20.00	ng	0.00
38) Acenaphthene-d10	12.25	164	174797	20.00	ng	0.00
63) Phenanthrene-d10	14.64	188	259830	20.00	ng	0.00
75) Chrysene-d12	18.35	240	200623	20.00	ng	0.00
86) Perylene-d12	20.02	264	178160	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	740150	102.73	ng	0.00
7) Phenol-d6	6.95	99	918803	106.52	ng	0.00
23) Nitrobenzene-d5	8.31	82	559606	87.98	ng	0.00
41) 2,4,6-Tribromophenol	13.54	330	149008	96.35	ng	0.00
44) 2-Fluorobiphenyl	11.21	172	812002	64.64	ng	0.00
78) Terphenyl-d14	17.01	244	455201	56.31	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	9.46	128	50130	2.529	ng	99
37) 2-Methylnaphthalene	10.59	142	33196	2.478	ng	99
48) Acenaphthylene	12.02	152	57847	3.005	ng	98
49) Dimethylphthalate	11.90	163	240322	18.108	ng	98
70) Phenanthrene	14.68	178	90253	6.020	ng	96
71) Anthracene	14.77	178	57445	3.670	ng	98
74) Fluoranthene	16.46	202	858456	57.853	ng	98
77) Pyrene	16.77	202	933414	62.354	ng	98
80) Benzo(a)anthracene	18.35	228	571109	48.962	ng	99
82) Chrysene	18.39	228	467935	40.143	ng	97
85) Indeno(1,2,3-cd)pyrene	21.20	276	274392	27.512	ng	94
87) Benzo(b)fluoranthene	19.62	252	695429m	62.338	ng	
88) Benzo(k)fluoranthene	19.65	252	182791m	17.142	ng	
89) Benzo(a)pyrene	19.97	252	490893	47.876	ng	98
90) Dibenzo(a,h)anthracene	21.20	278	55696m	6.404	ng	
91) Benzo(g,h,i)perylene	21.53	276	232492	26.219	ng	97

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

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Manual Integrations APPROVED
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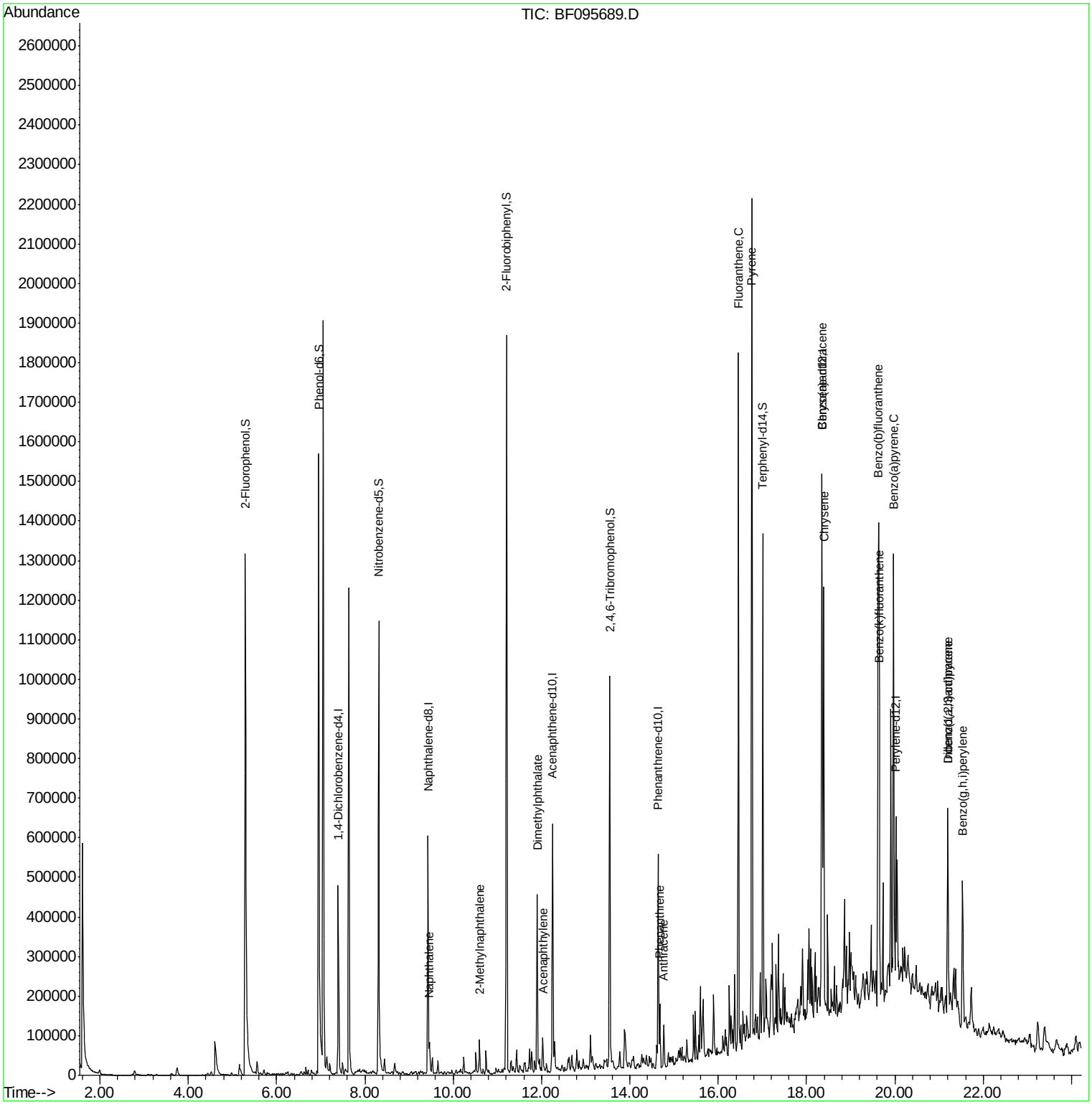
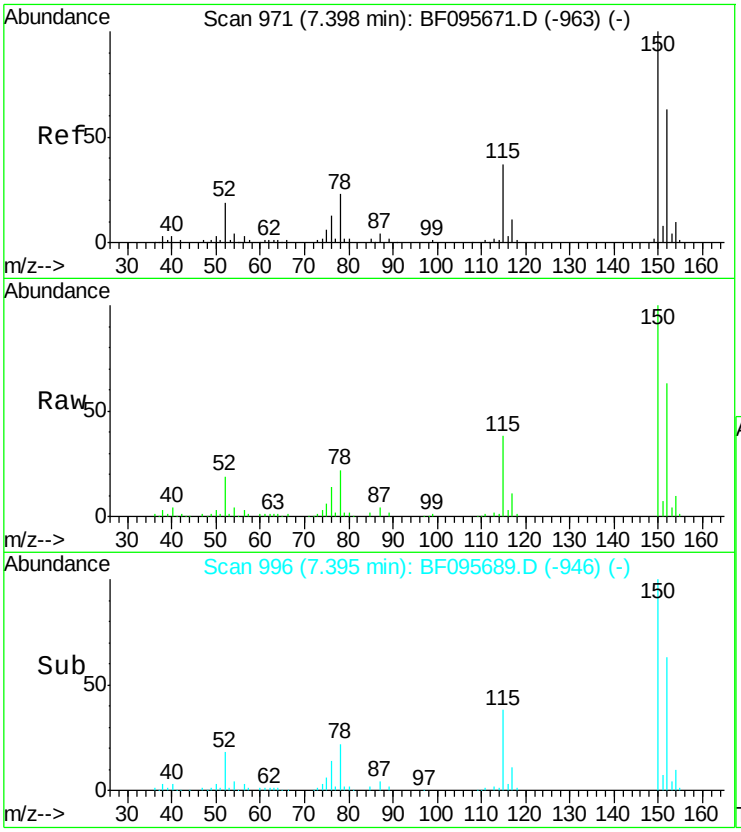
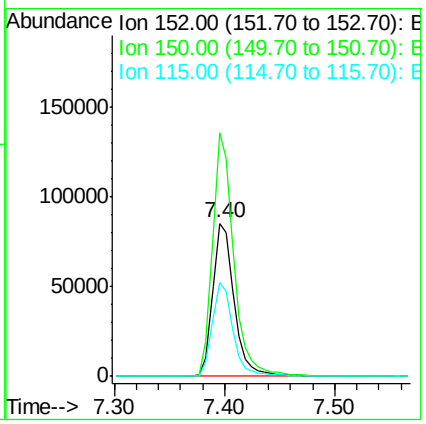




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.40 min Scan# 996
Delta R.T. -0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:152 Resp: 114809

Ion	Ratio	Lower	Upper
152	100		
150	159.1	126.2	189.2
115	61.1	52.2	78.2



Instrument :
BNA_F
ClientSampleId :
CARSONS-STOCKPILE(COMP)

Manual Integrations APPROVED
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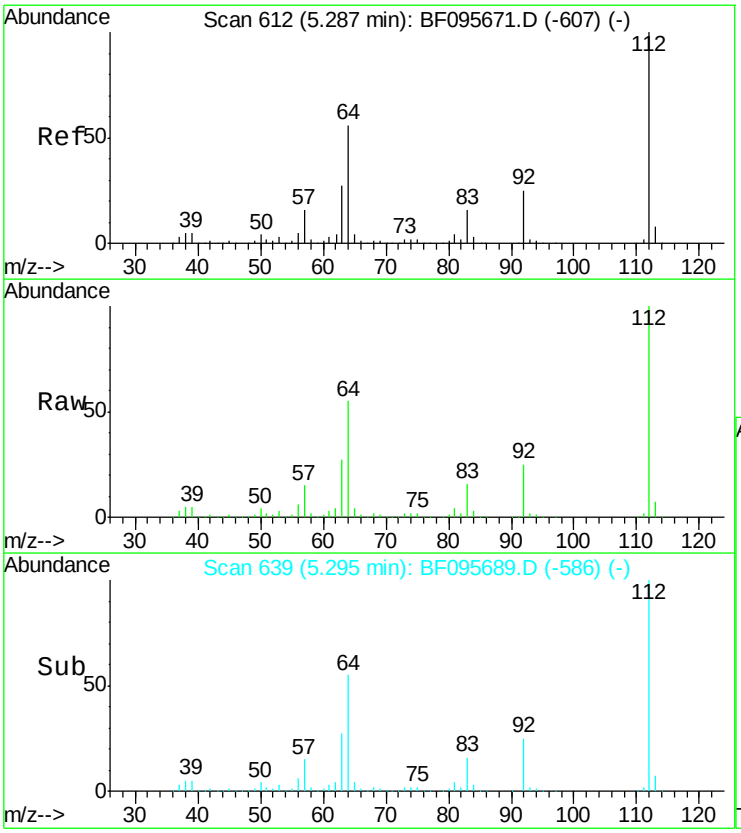
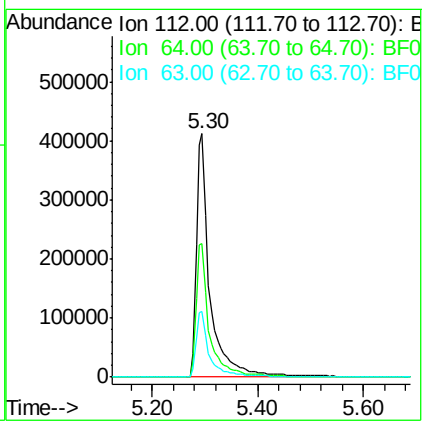
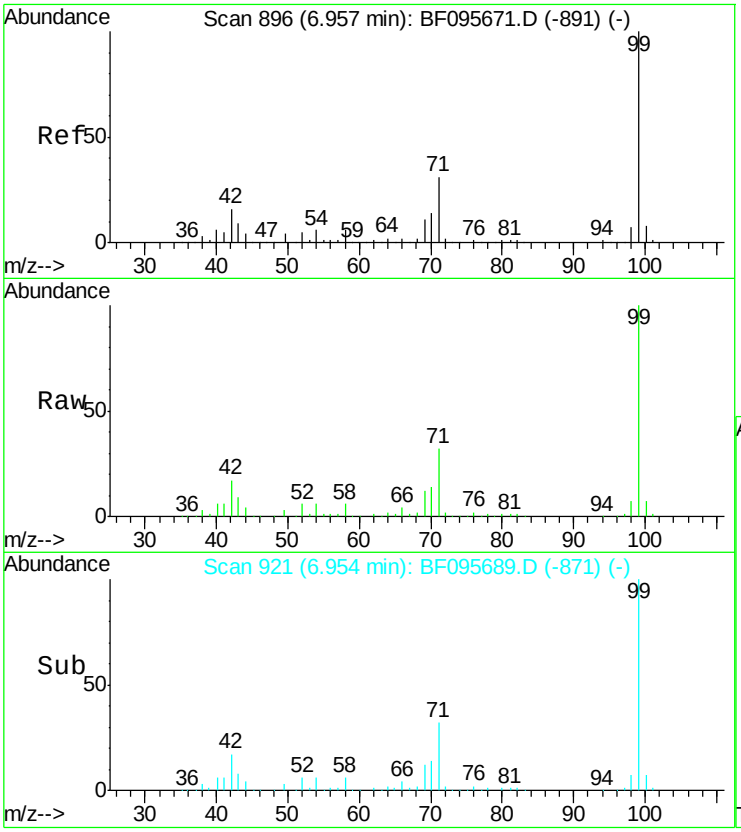


#5
2-Fluorophenol
Concen: 102.727 ng
RT: 5.30 min Scan# 639
Delta R.T. 0.01 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:112 Resp: 740150

Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.0	69.0
63	27.0	23.4	35.0

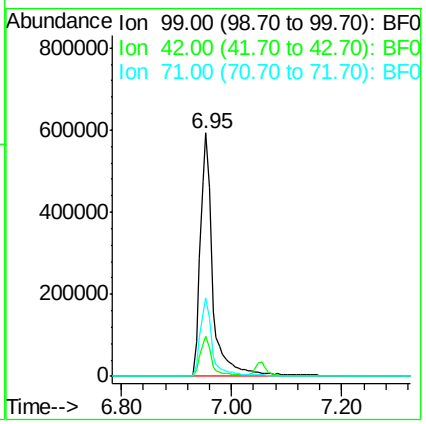




#7
Phenol-d6
Concen: 106.520 ng
RT: 6.95 min Scan# 921
Delta R.T. -0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion: 99 Resp: 918803

Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.5	20.3
71	32.1	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
CARSONS-STOCKPILE(COMP)

Manual Integrations APPROVED
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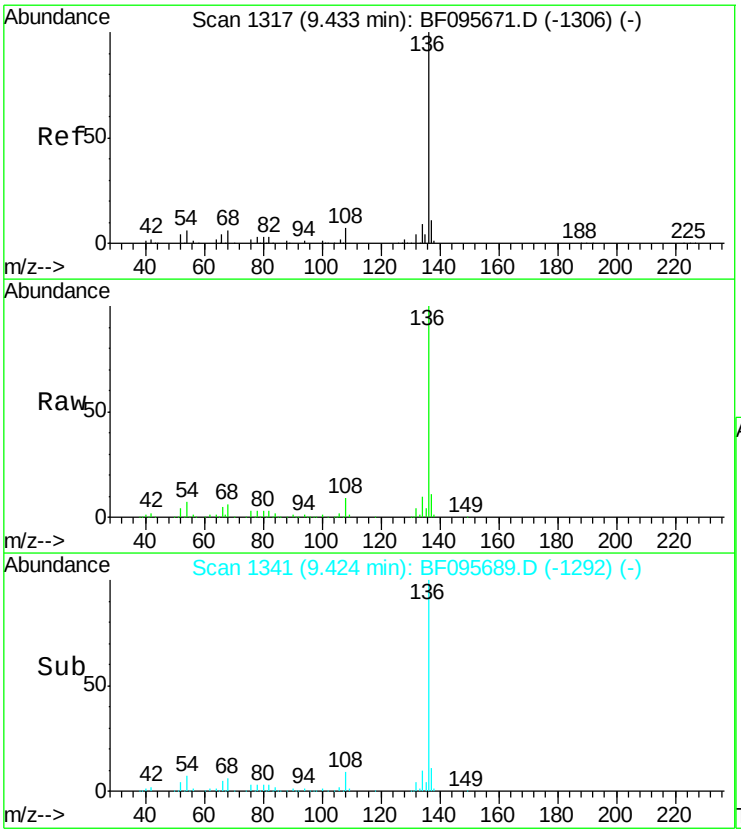
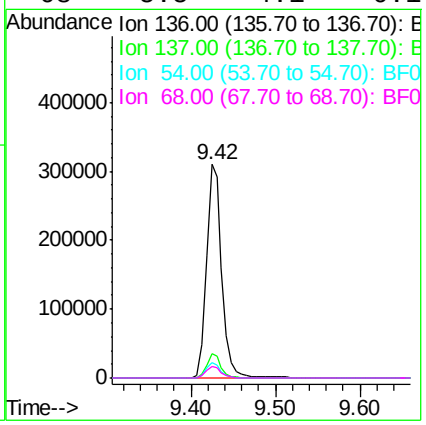
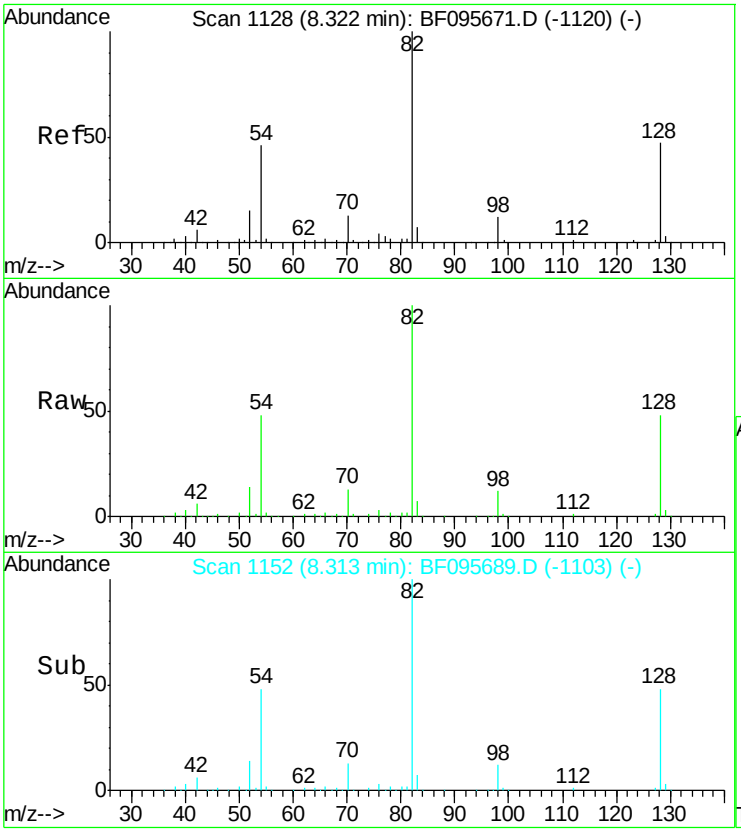


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 9.42 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:136 Resp: 395010

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	7.3	4.9	7.3
68	5.5	4.1	6.1

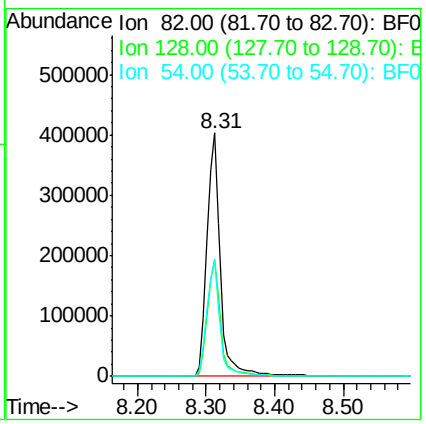




#23
Nitrobenzene-d5
Concen: 87.983 ng
RT: 8.31 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion: 82 Resp: 559606

Ion	Ratio	Lower	Upper
82	100		
128	48.0	34.0	51.0
54	48.0	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
CARSONS-STOCKPILE(COMP)

Manual Integrations APPROVED
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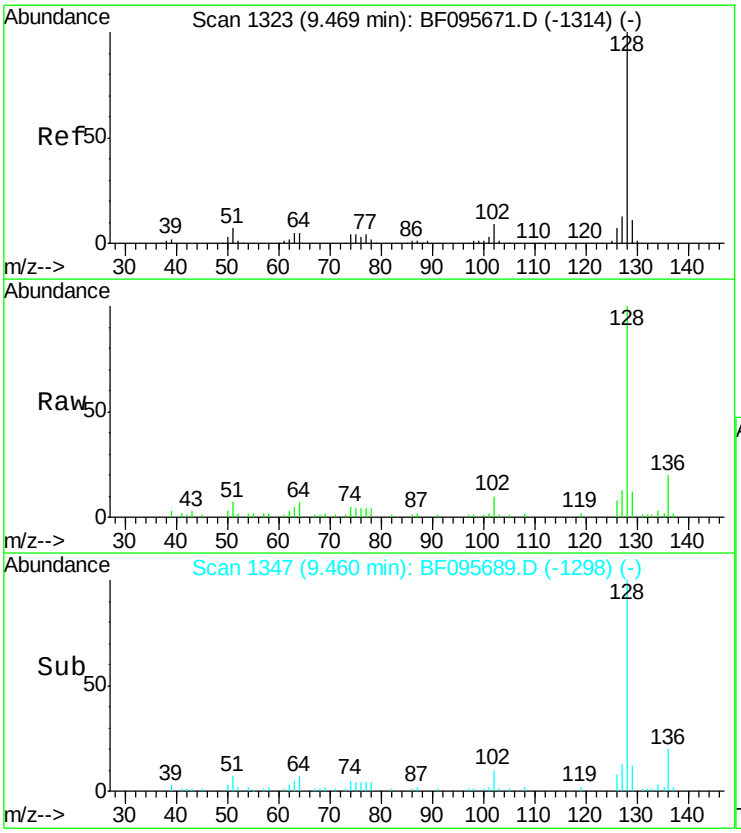
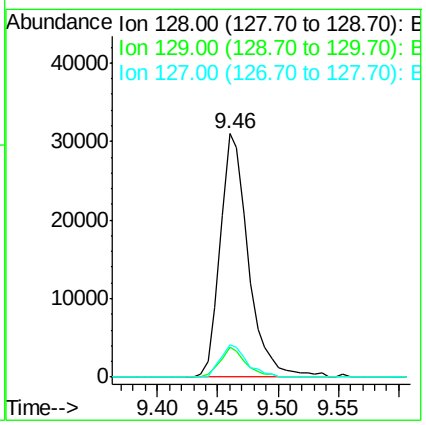
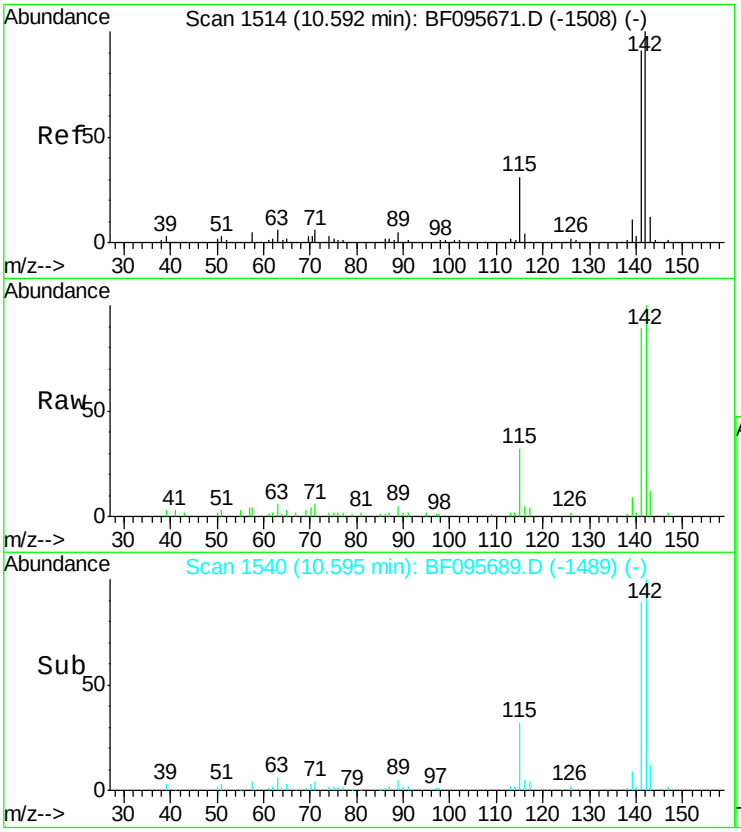


#31
Naphthalene
Concen: 2.529 ng
RT: 9.46 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:128 Resp: 50130

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.0	13.6
127	13.2	10.8	16.2

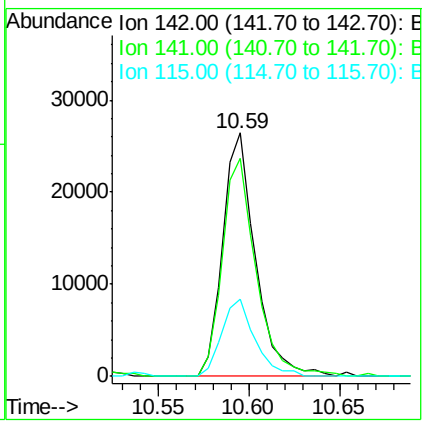




#37
2-Methylnaphthalene
Concen: 2.478 ng
RT: 10.59 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:142 Resp: 33196

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.3	106.9
115	31.9	27.1	40.7



Instrument :
BNA_F
ClientSampleId :
CARSONS-STOCKPILE(COMP)

Manual Integrations APPROVED
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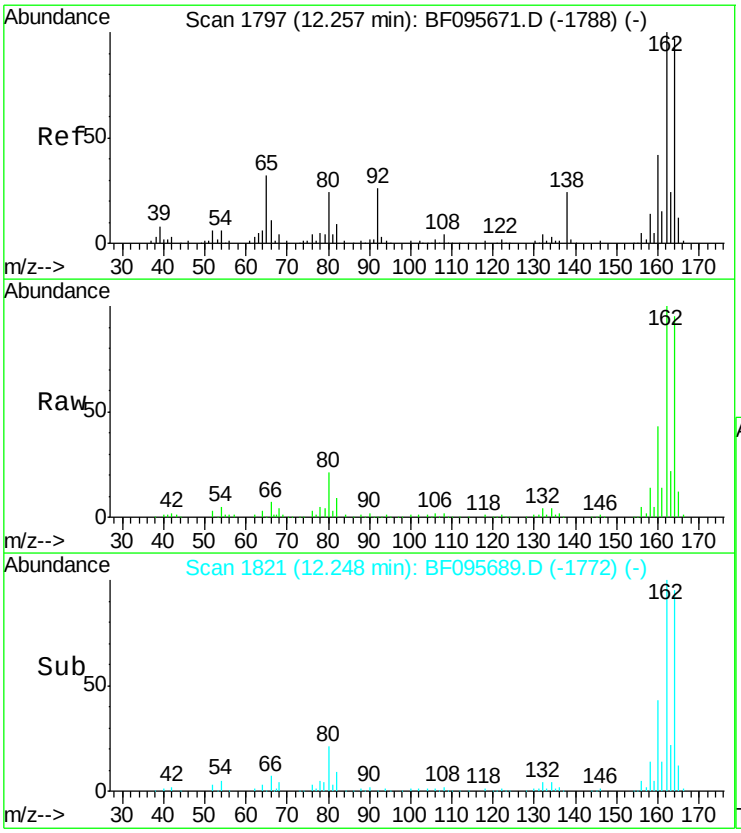
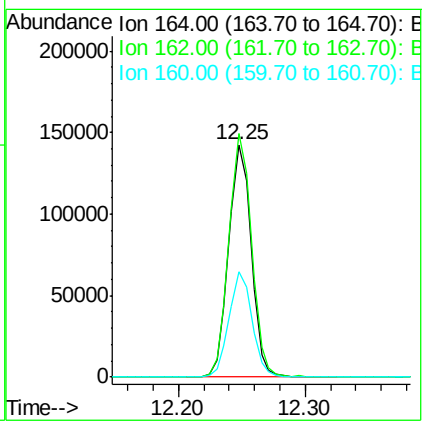
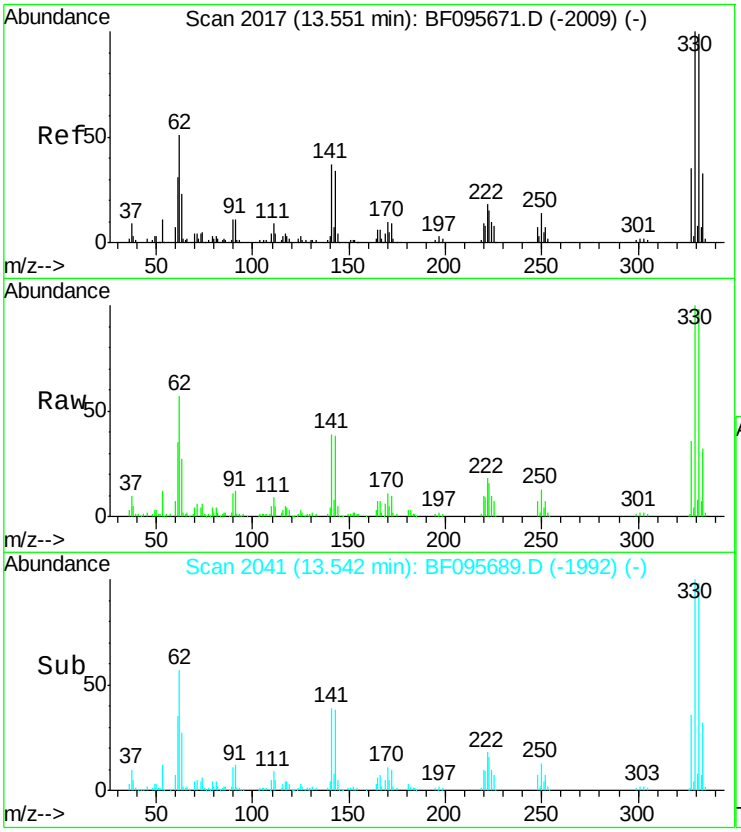


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 12.25 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:164 Resp: 174797

Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.6	123.8
160	45.3	36.2	54.2

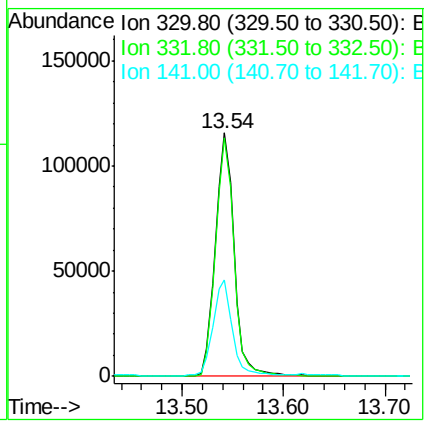




#41
2,4,6-Tribromophenol
Concen: 96.349 ng
RT: 13.54 min Scan# 2041
Delta R.T. -0.01 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:330 Resp: 149008

Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	41.5	31.4	47.2



Instrument :
BNA_F
ClientSampleId :
CARSONS-STOCKPILE(COMP)

Manual Integrations APPROVED
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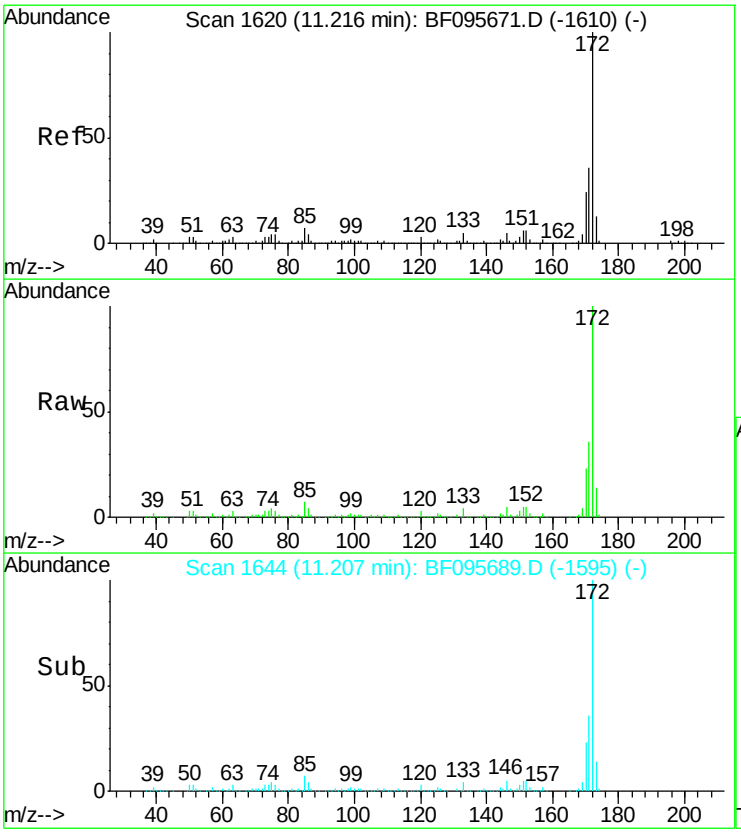
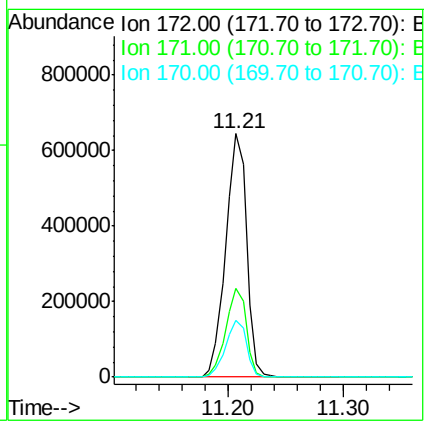
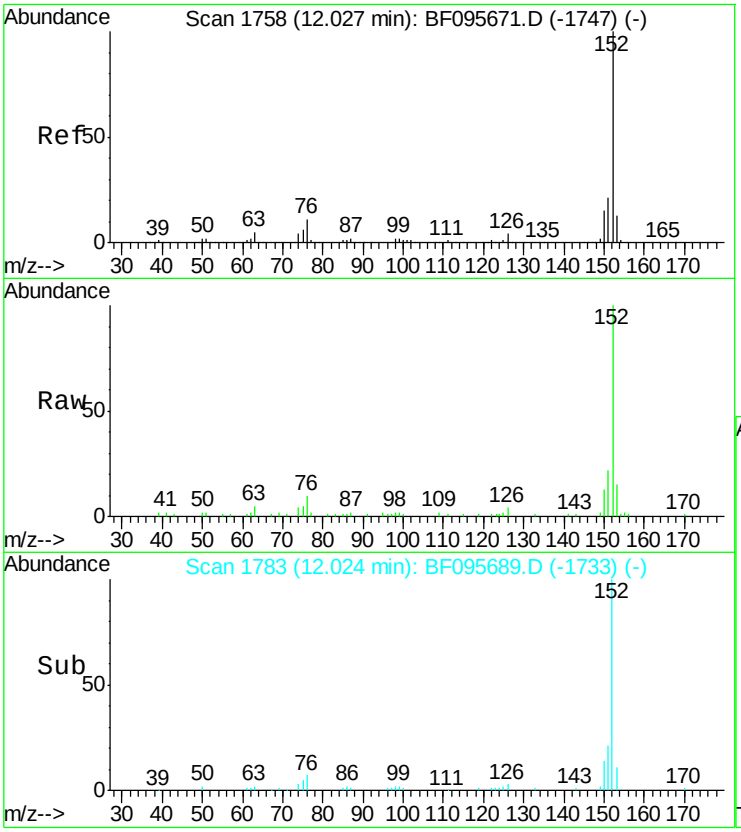


#44
2-Fluorobiphenyl
Concen: 64.644 ng
RT: 11.21 min Scan# 1644
Delta R.T. -0.01 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:172 Resp: 812002

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.3	19.8	29.8

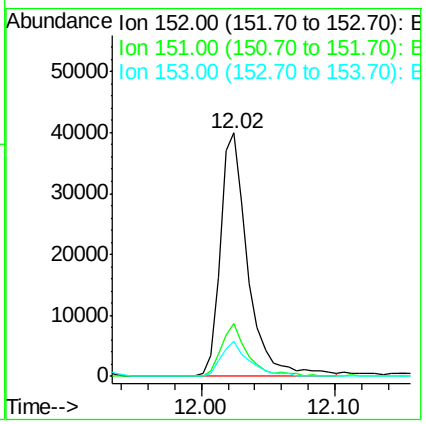




#48
Acenaphthylene
Concen: 3.005 ng
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:152 Resp: 57847

Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.8	25.2
153	14.6	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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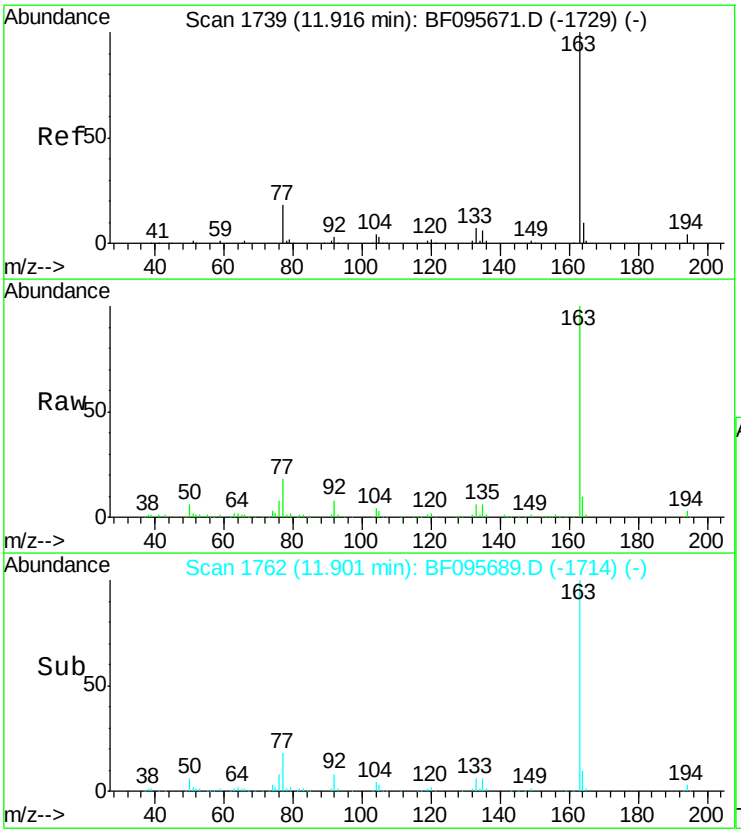
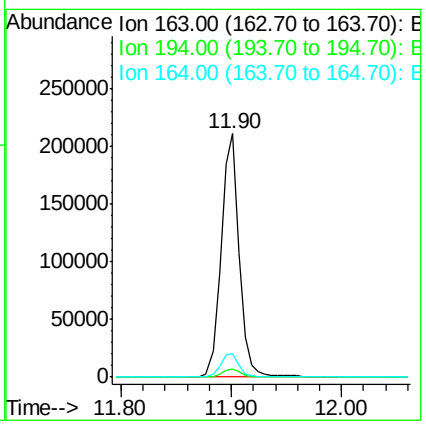
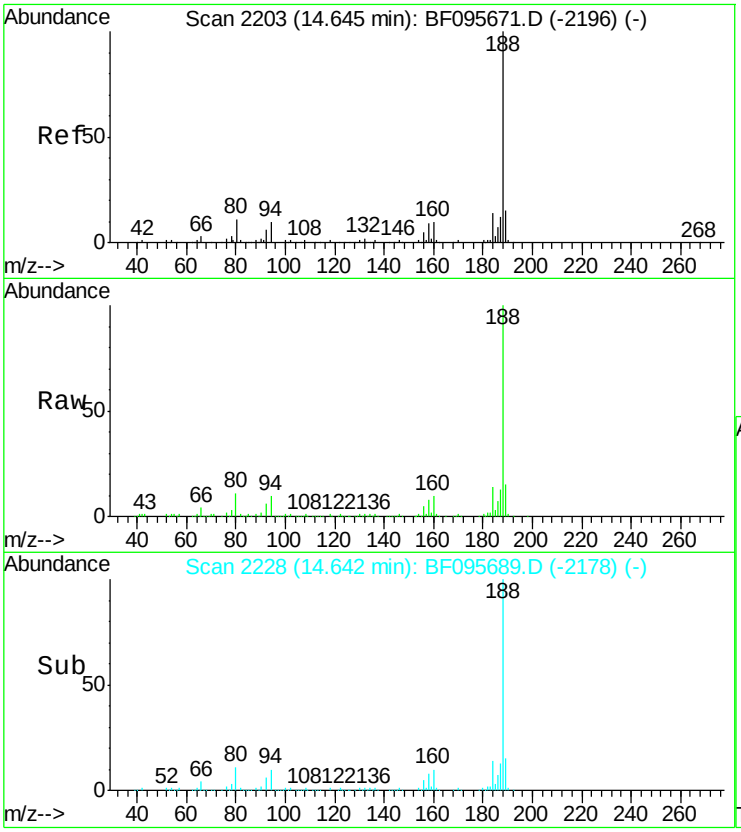


#49
Dimethylphthalate
Concen: 18.108 ng
RT: 11.90 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:163 Resp: 240322

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.7	8.4	12.6





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:188 Resp: 259830

Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.4	14.2
80	11.0	10.2	15.2

Instrument :
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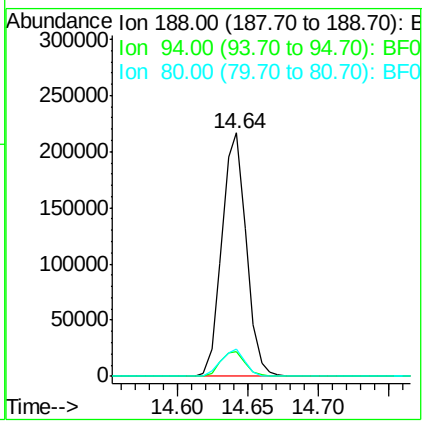
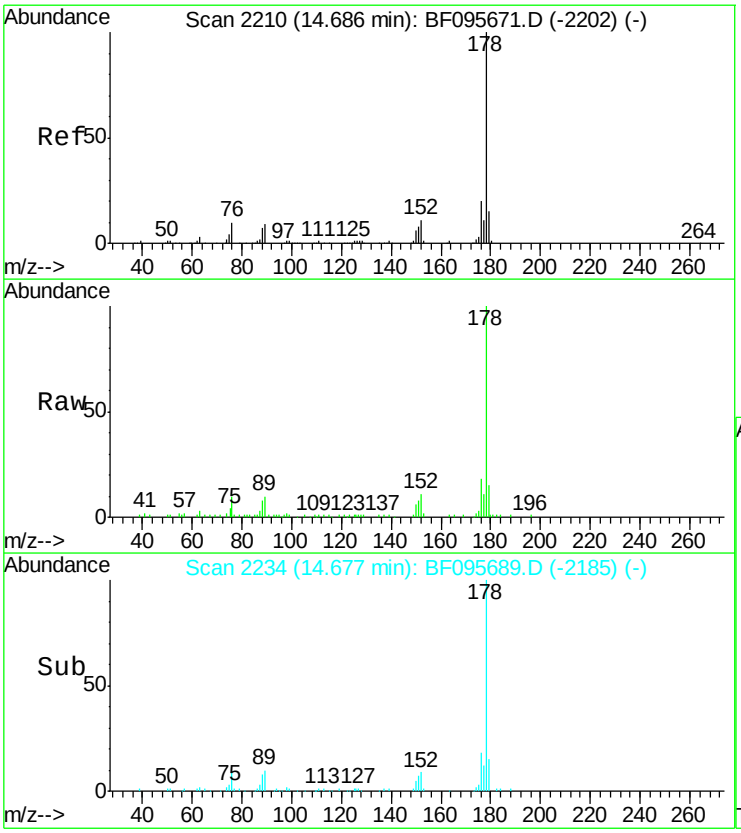
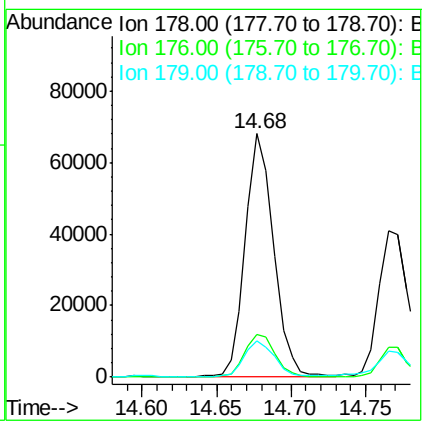


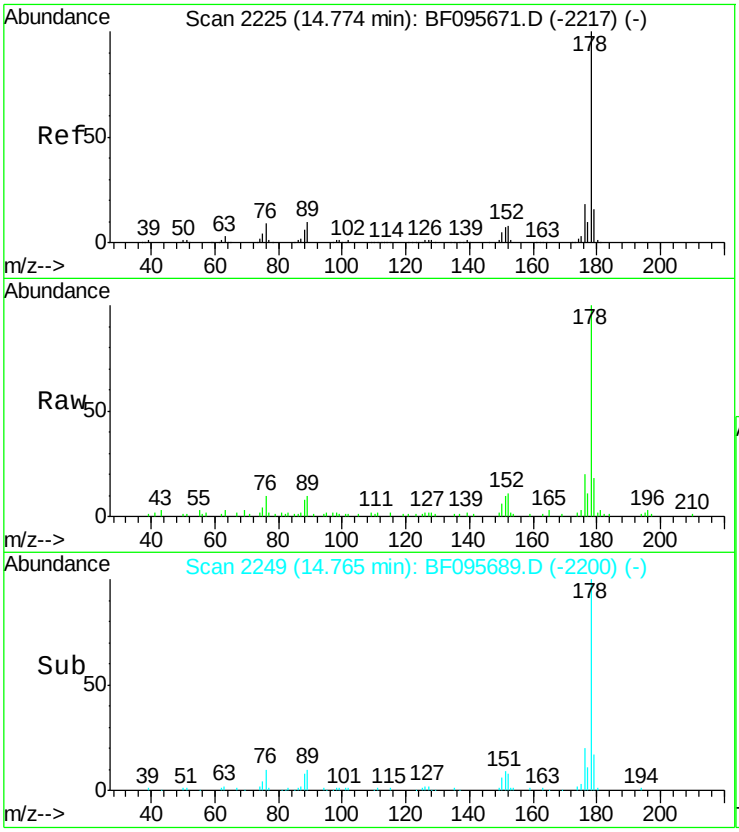


#70
Phenanthrene
Concen: 6.020 ng
RT: 14.68 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:178 Resp: 90253

Ion	Ratio	Lower	Upper
178	100		
176	17.7	16.2	24.4
179	14.7	12.6	19.0

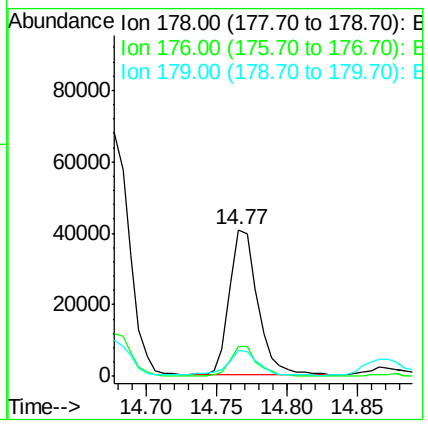




#71
Anthracene
Concen: 3.670 ng
RT: 14.77 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:178 Resp: 57445

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	17.9	12.7	19.1



Instrument :
BNA_F
ClientSampleId :
CARSONS-STOCKPILE(COMP)

Manual Integrations APPROVED
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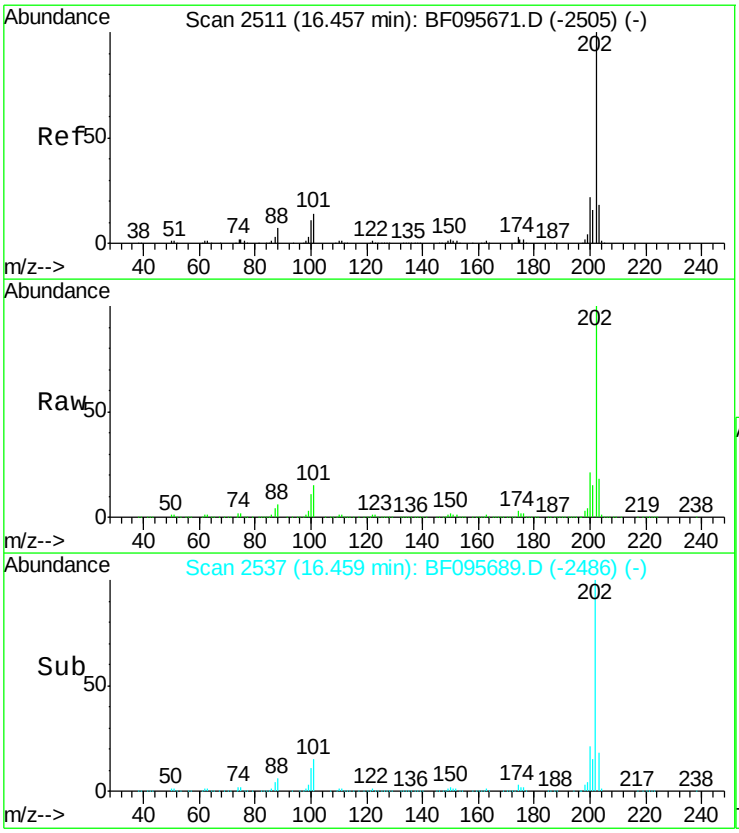
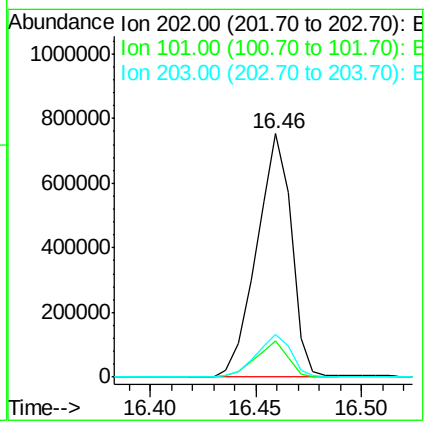
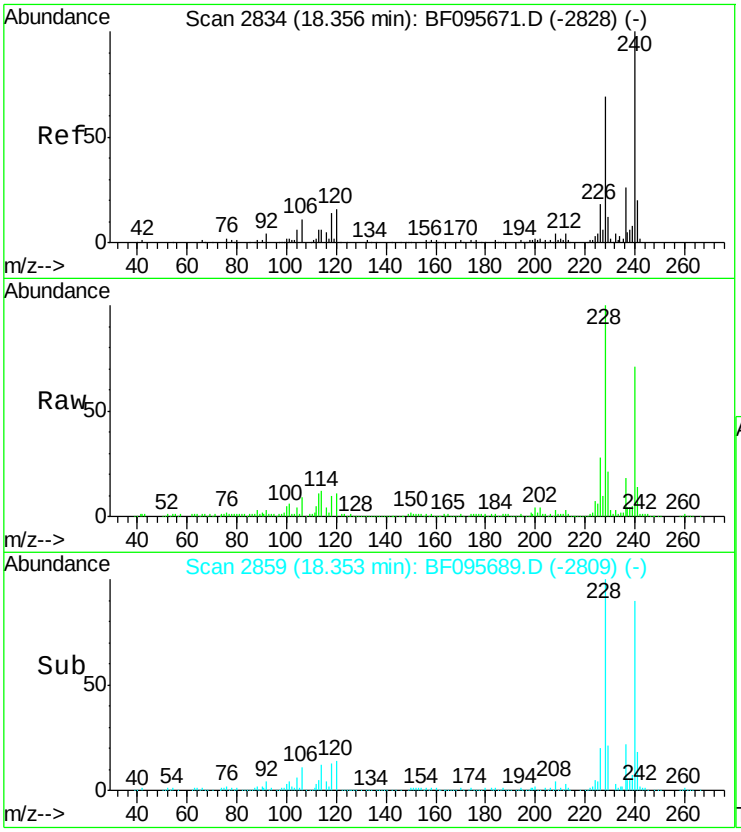


#74
Fluoranthene
Concen: 57.853 ng
RT: 16.46 min Scan# 2537
Delta R.T. 0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:202 Resp: 858456

Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	33.2
203	17.7	0.0	38.1





#75
Chrysene-d12
Concen: 20.000 ng
RT: 18.35 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:240 Resp: 200623

Ion	Ratio	Lower	Upper
240	100		
120	16.0	5.8	8.8#
236	25.1	20.5	30.7

Instrument :
BNA_F
ClientSampleId :
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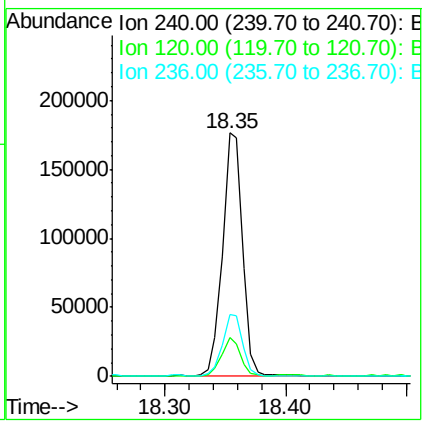
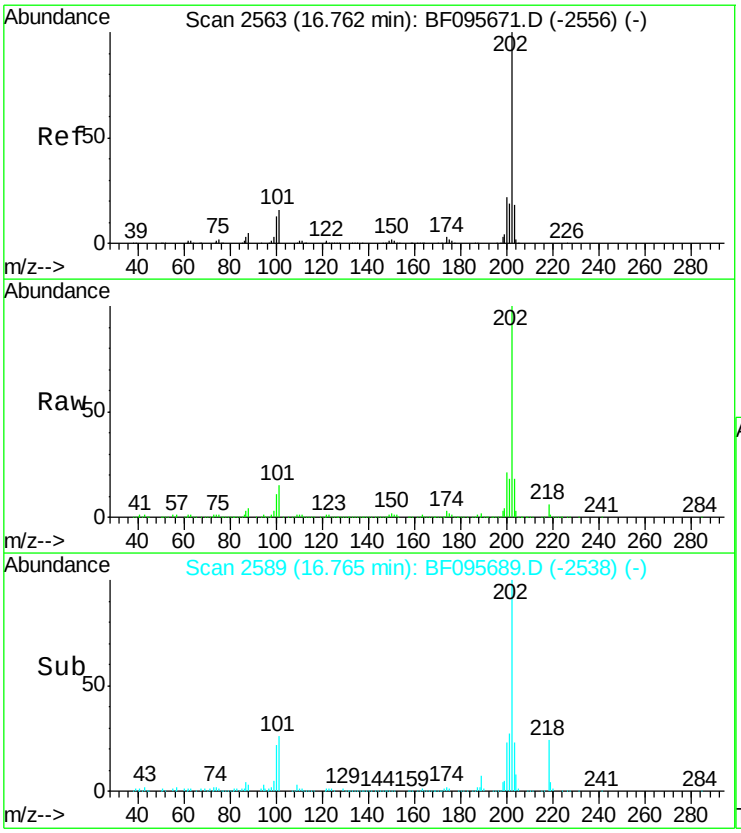
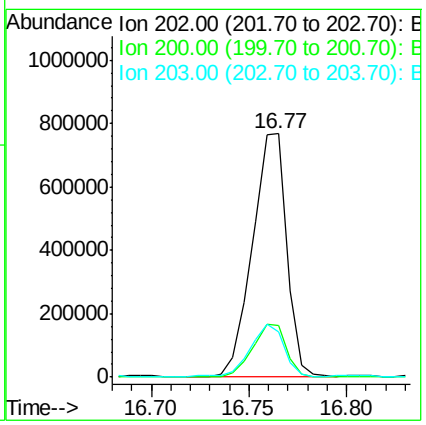


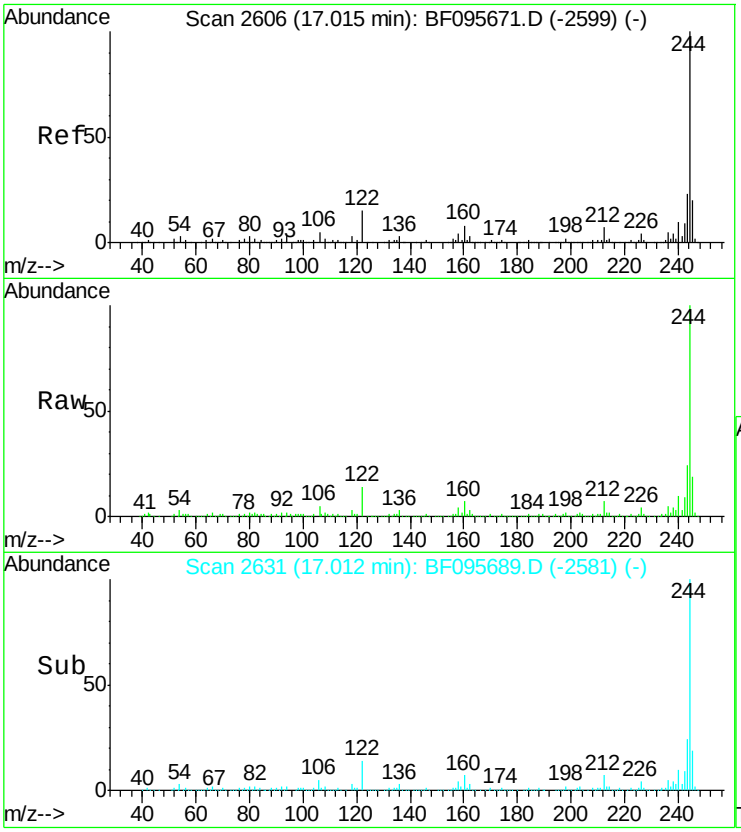


#77
Pyrene
Concen: 62.354 ng
RT: 16.77 min Scan# 2589
Delta R.T. 0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:202 Resp: 933414

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.6	26.4
203	18.5	14.4	21.6

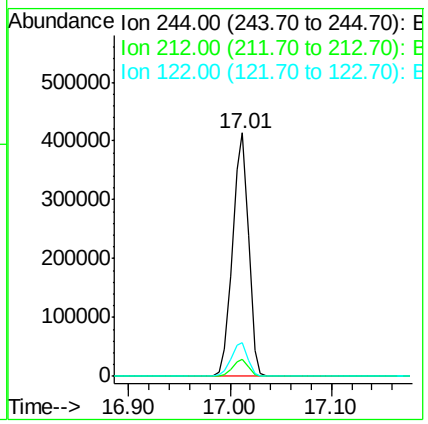




#78
Terphenyl-d14
Concen: 56.309 ng
RT: 17.01 min Scan# 2631
Delta R.T. -0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:244 Resp: 455201

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
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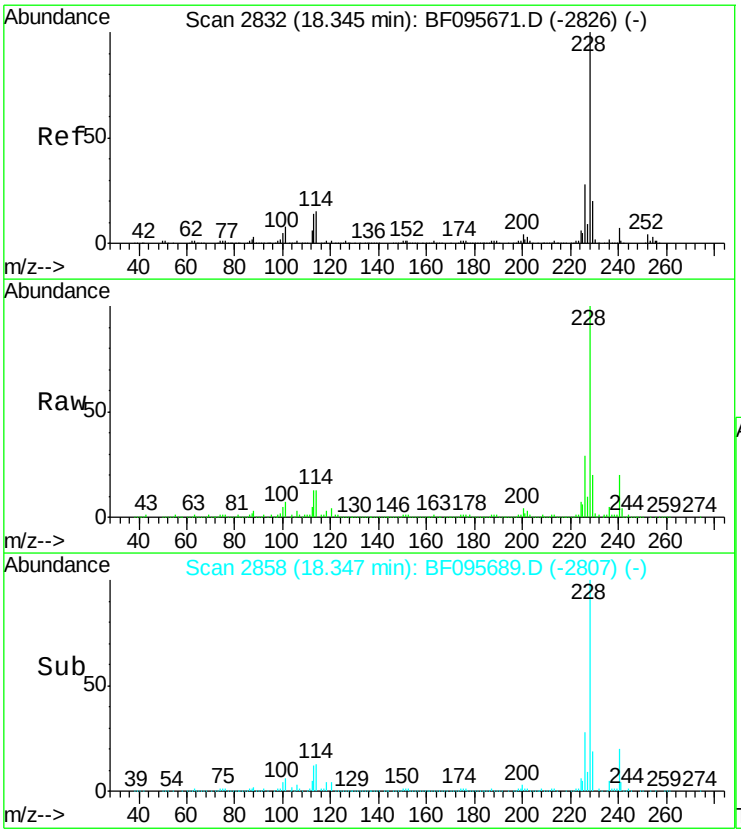
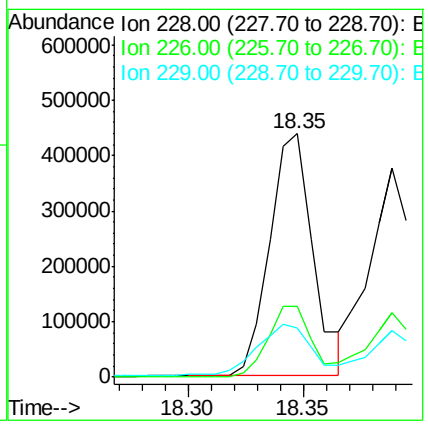
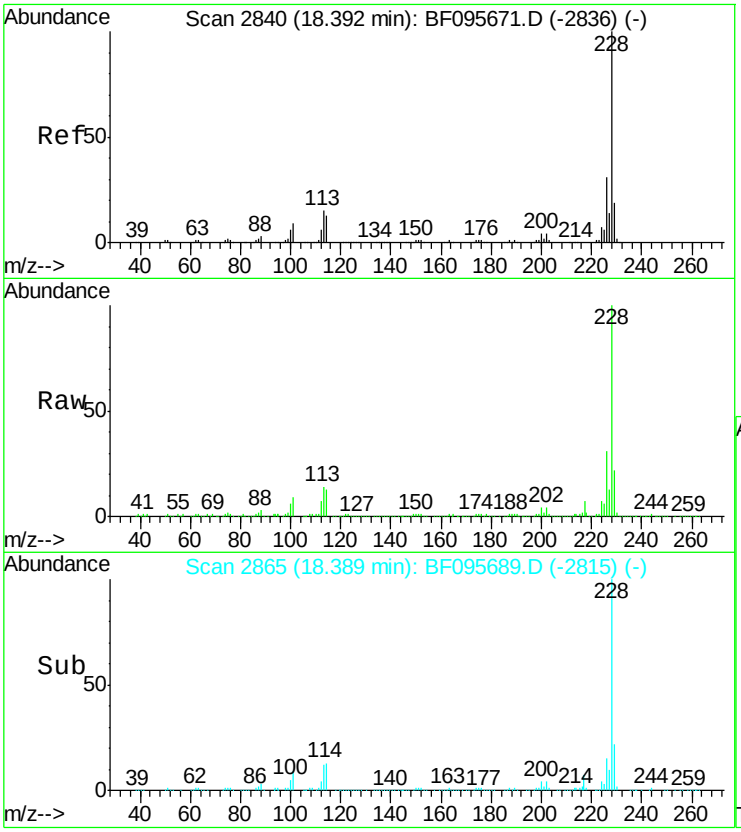


#80
Benzo(a)anthracene
Concen: 48.962 ng
RT: 18.35 min Scan# 2858
Delta R.T. 0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:228 Resp: 571109

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.4	16.3	24.5

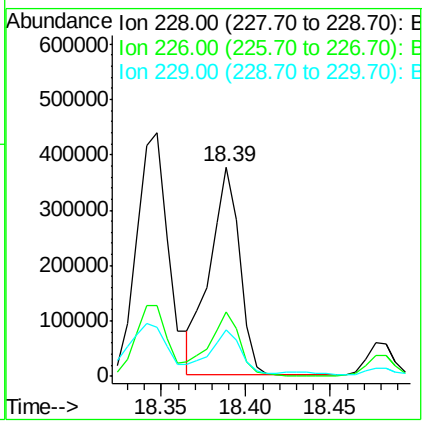




#82
Chrysene
Concen: 40.143 ng
RT: 18.39 min Scan# 2865
Delta R.T. -0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:228 Resp: 467935

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	22.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
CARSONS-STOCKPILE(COMP)

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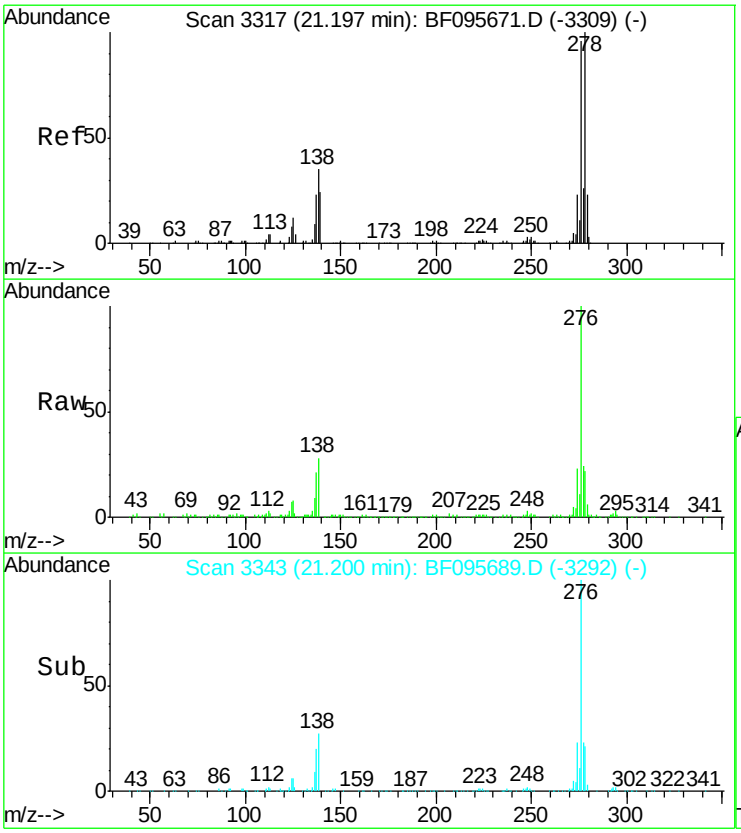
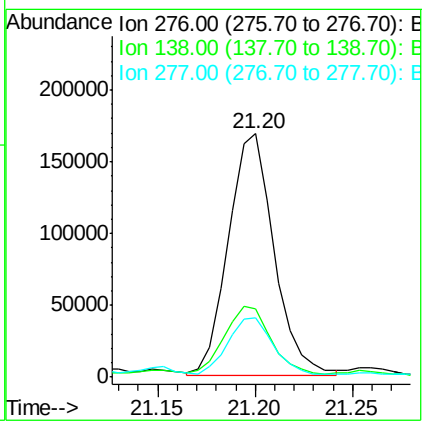
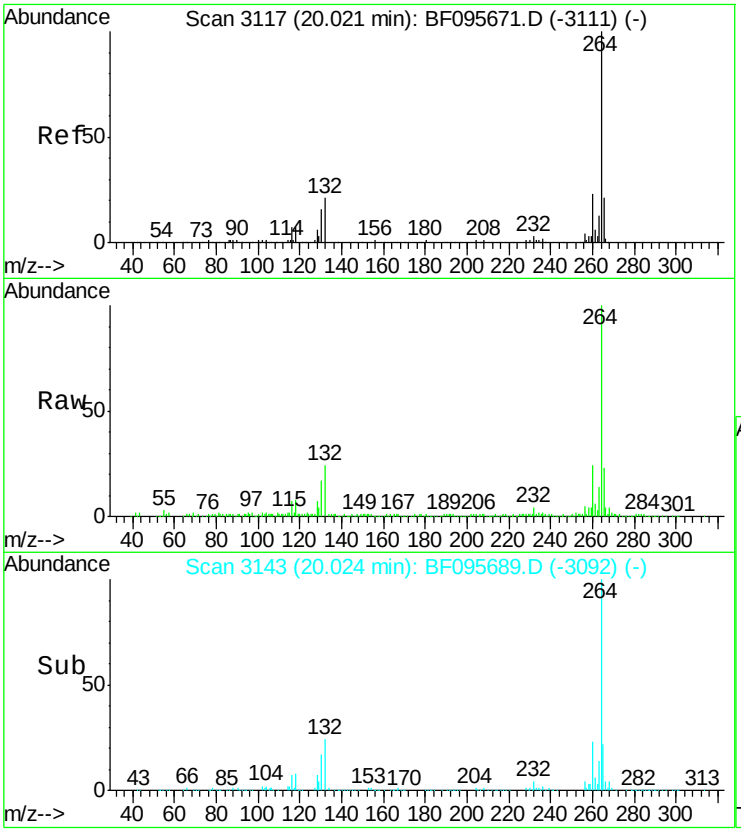


#85
Indeno(1,2,3-cd)pyrene
Concen: 27.512 ng
RT: 21.20 min Scan# 3343
Delta R.T. 0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:276 Resp: 274392

Ion	Ratio	Lower	Upper
276	100		
138	29.5	27.8	41.6
277	24.3	20.2	30.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 20.02 min Scan# 3143
Delta R.T. 0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:264 Resp: 178160

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	22.7	17.2	25.8

Instrument :
BNA_F
ClientSampleId :
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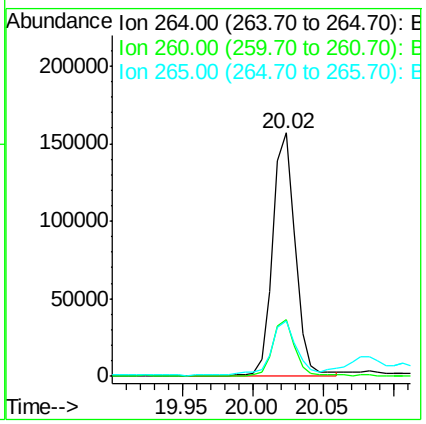
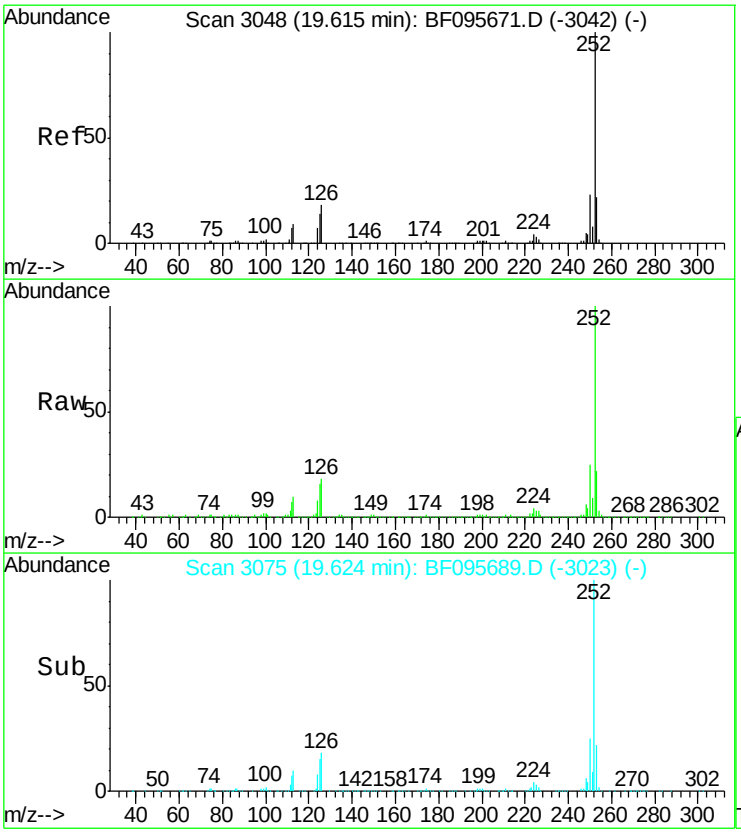
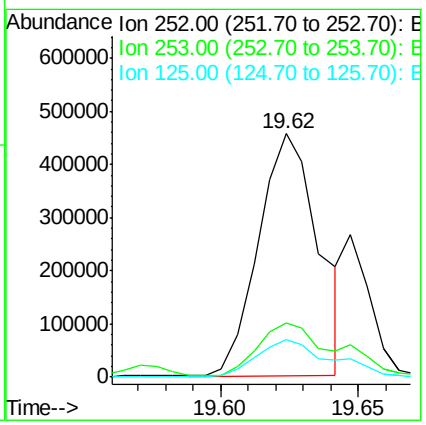


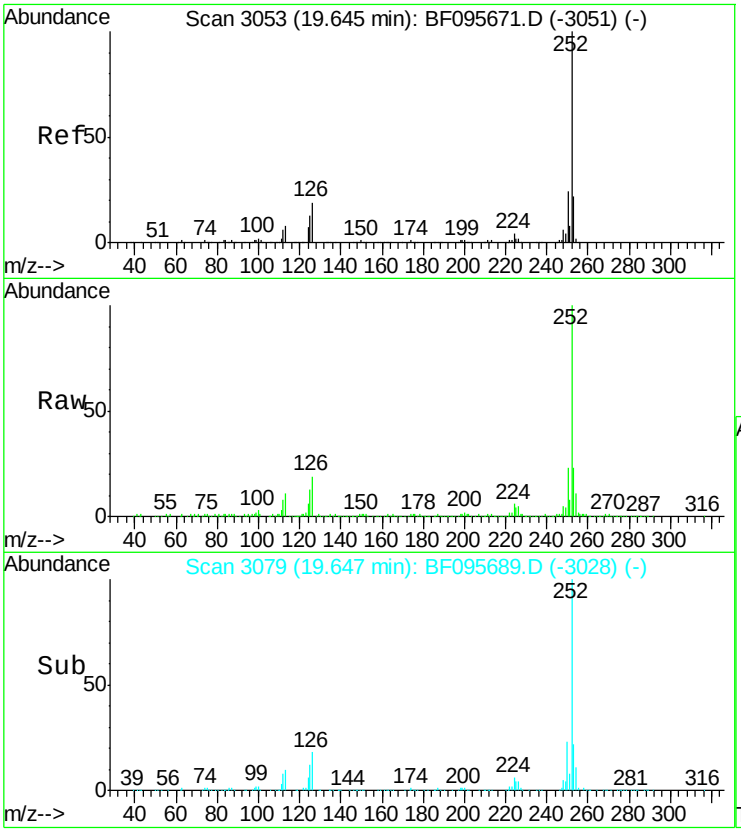


#87
Benzo(b)fluoranthene
Concen: 62.338 ng m
RT: 19.62 min Scan# 3075
Delta R.T. 0.01 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:252 Resp: 695429

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	15.6	9.8	14.8#

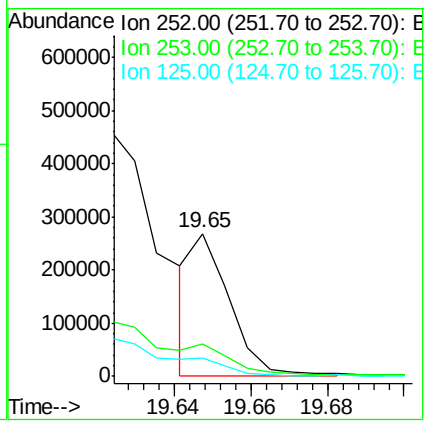




#88
Benzo(k)fluoranthene
Concen: 17.142 ng m
RT: 19.65 min Scan# 3079
Delta R.T. 0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:252 Resp: 182791

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	12.9	13.1	19.7#



Instrument :
BNA_F
ClientSampleId :
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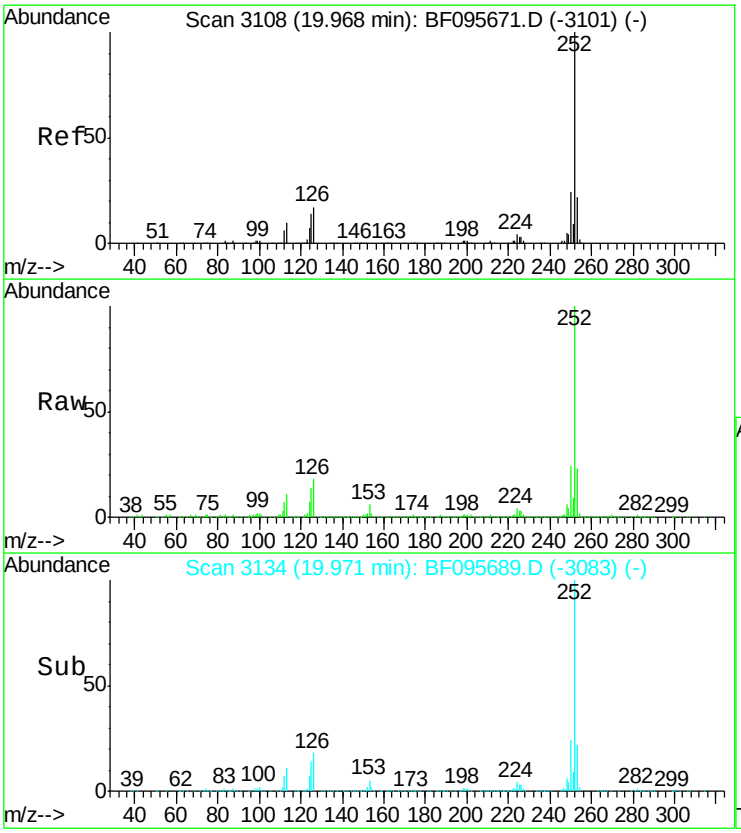
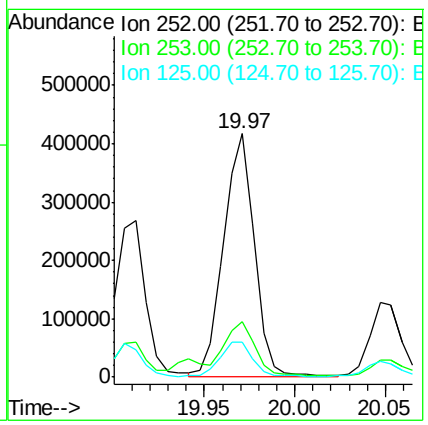
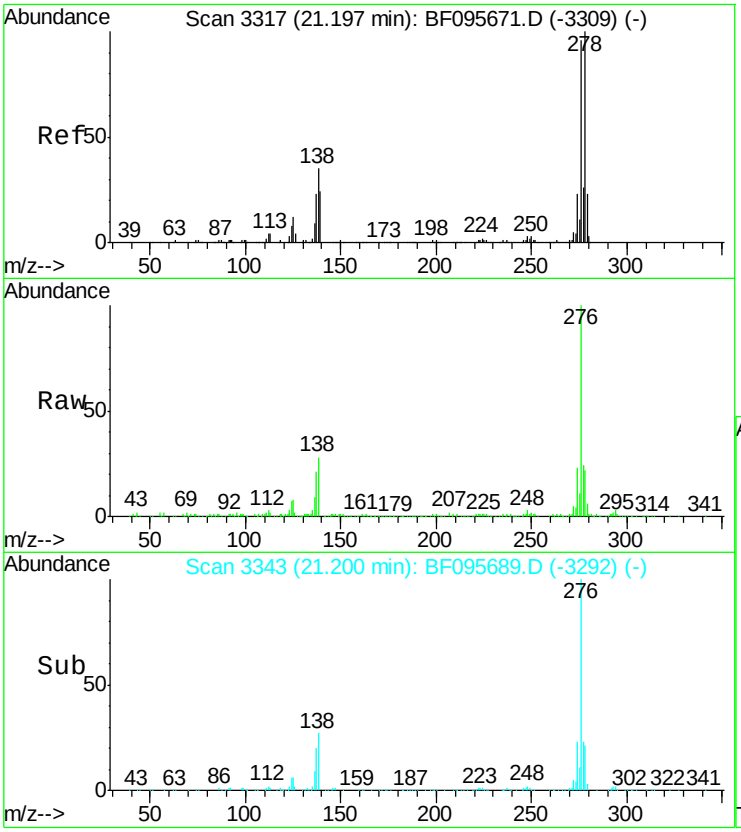


#89
Benzo(a)pyrene
Concen: 47.876 ng
RT: 19.97 min Scan# 3134
Delta R.T. 0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:252 Resp: 490893

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	14.5	11.0	16.4





#90
Dibenzo(a,h)anthracene
Concen: 6.404 ng m
RT: 21.20 min Scan# 3343
Delta R.T. 0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:278 Resp: 55696

Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	24.9	19.3	28.9

Instrument :
BNA_F
ClientSampleId :
CARSONS-STOCKPILE(COMP)

Manual Integrations APPROVED
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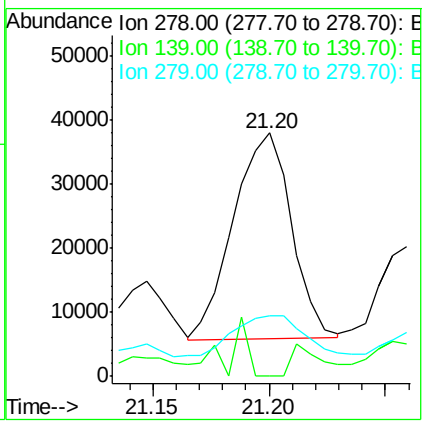

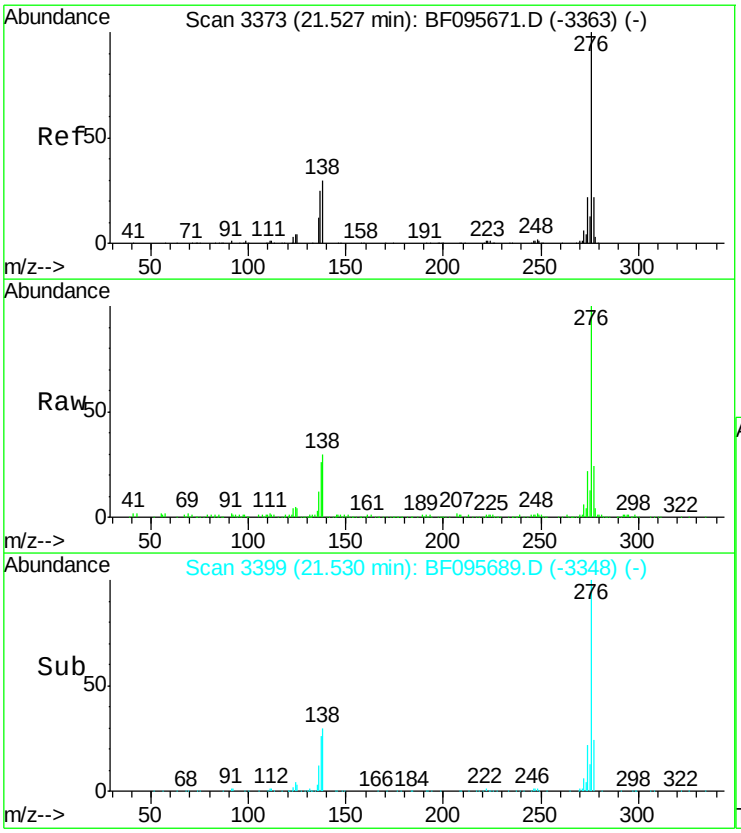

#91
Benzo(g,h,i)perylene
Concen: 26.219 ng
RT: 21.53 min Scan# 3399
Delta R.T. 0.00 min
Lab File: BF095689.D
Acq: 5 Jun 2017 23:45

Tgt Ion:276 Resp: 232492

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	29.8	25.4	38.0