Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062516\
Data File : BF088390.D
Acq On : 25 Jun 2016 21:35
Operator : UM/SJ
Sample : H3624-20
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SC-STA-1506(0-4)

Quant Time: Jun 26 03:45:29 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 14:55:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	75584	20.00	ng		-0.05
21) Naphthalene-d8	7.85	136	289333	20.00	ng		-0.05
38) Acenaphthene-d10	9.59	164	117544	20.00	ng		-0.06
63) Phenanthrene-d10	11.06	188	180833	20.00	ng		-0.06
75) Chrysene-d12	13.70	240	140391	20.00	ng		-0.05
86) Perylene-d12	15.05	264	124111	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.14	112	436349	98.69	ng		-0.03
7) Phenol-d6	6.23	99	522181	97.45	ng		-0.03
23) Nitrobenzene-d5	7.14	82	356747	72.00	ng		-0.03
41) 2,4,6-Tribromophenol	10.39	330	97796	78.80	ng		-0.05
44) 2-Fluorobiphenyl	8.92	172	579768	76.96	ng		-0.05
78) Terphenyl-d14	12.65	244	368177	59.68	ng		-0.05
Target Compounds							Qvalue
48) Acenaphthylene	9.45	152	191217	15.80	ng		99
49) Dimethylphthalate	9.32	163	118833	13.96	ng		99
70) Phenanthrene	11.10	178	165588	17.45	ng		97
71) Anthracene	11.14	178	194498	20.32	ng		99
72) Carbazole	11.31	167	31019	3.46	ng		95
74) Fluoranthene	12.28	202	858469	85.73	ng		95
77) Pyrene	12.50	202	974025	93.50	ng		99
80) Benzo(a)anthracene	13.69	228	596701	74.58	ng	#	90
82) Chrysene	13.73	228	445132m	59.14	ng		
85) Indeno(1,2,3-cd)pyrene	16.29	276	163649	23.40	ng	#	100
87) Benzo(b)fluoranthene	14.70	252	527466m	60.98	ng		
88) Benzo(k)fluoranthene	14.72	252	205120m	31.43	ng		
89) Benzo(a)pyrene	15.01	252	335519m	47.94	ng		
90) Dibenzo(a,h)anthracene	16.29	278	48925	7.53	ng	#	89
91) Benzo(g,h,i)perylene	16.65	276	150804	22.55	ng		98

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

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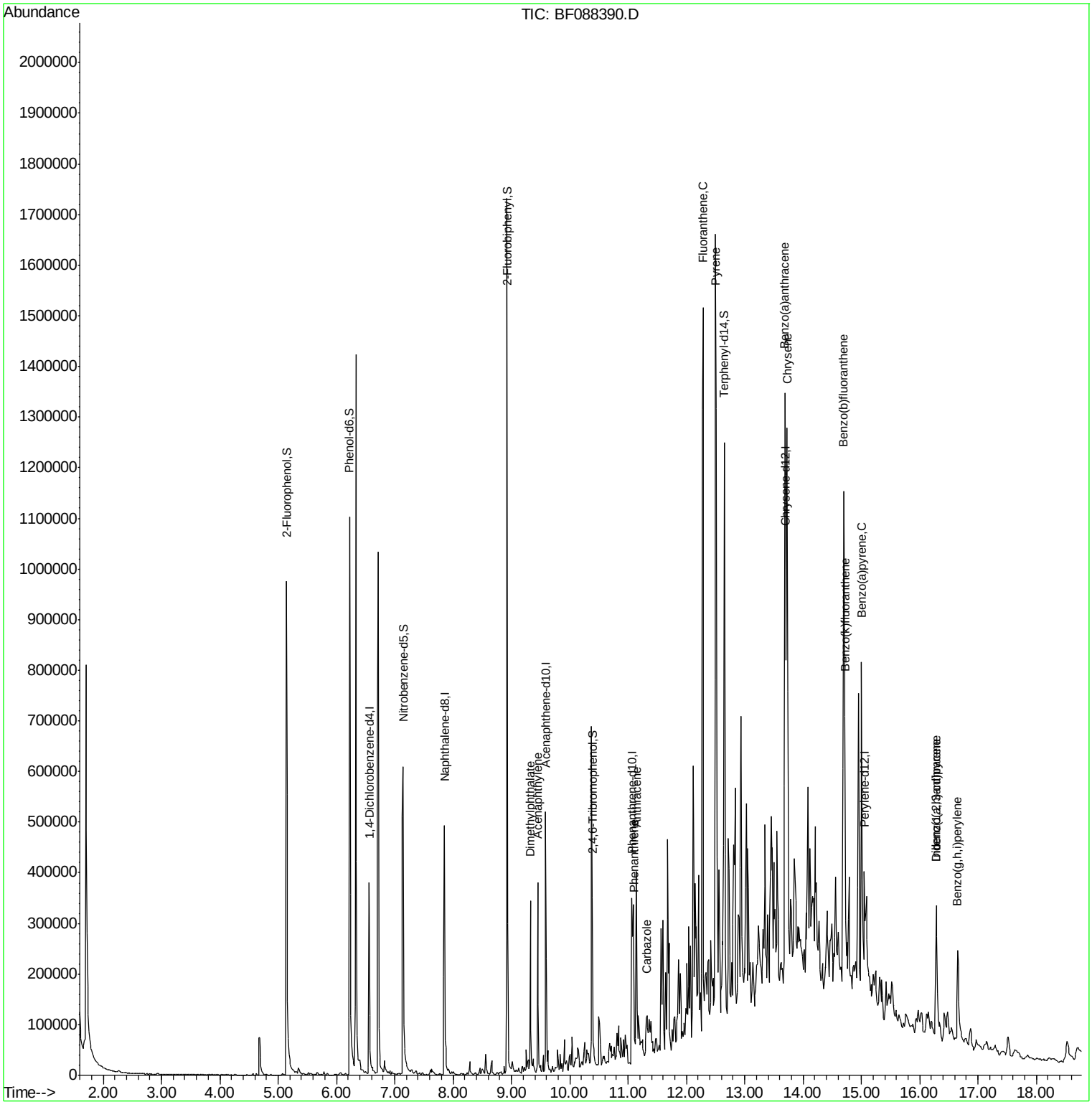
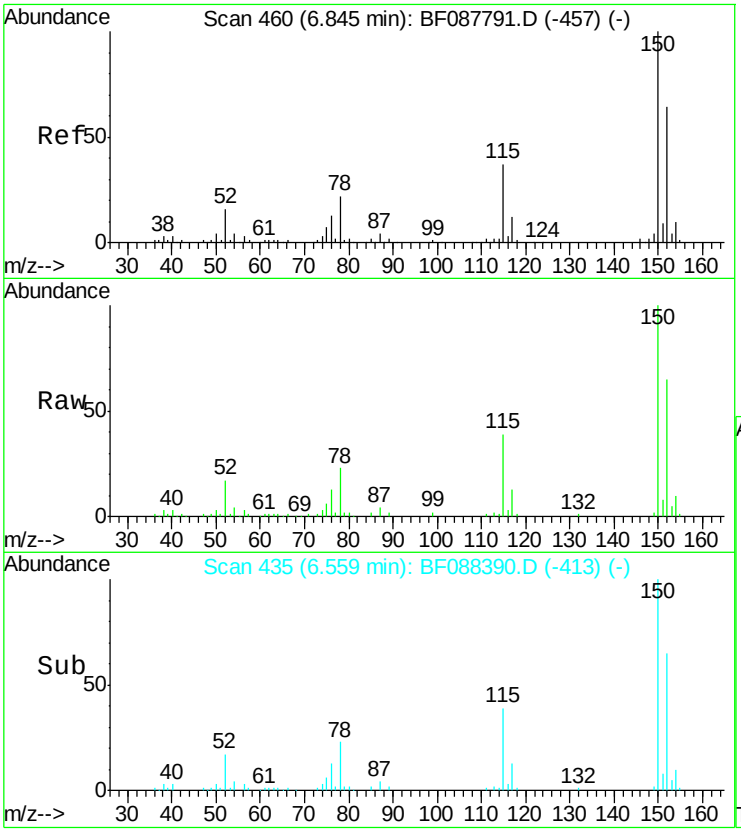


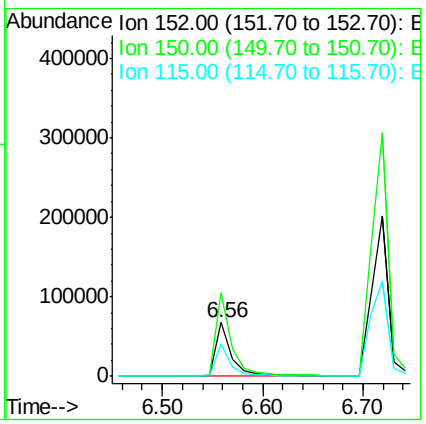


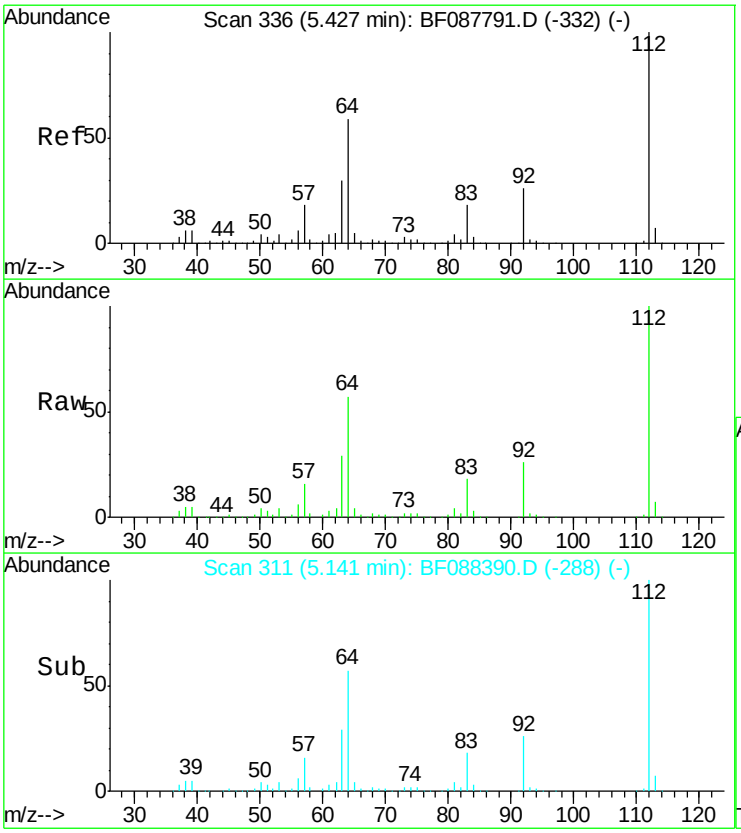
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.56 min Scan# 435
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:152 Resp: 75584

Ion	Ratio	Lower	Upper
152	100		
150	155.0	123.8	185.6
115	61.0	39.6	59.4#

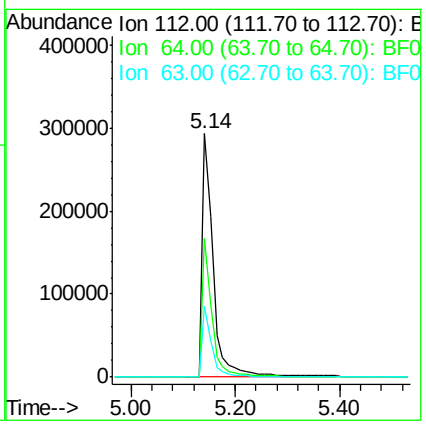


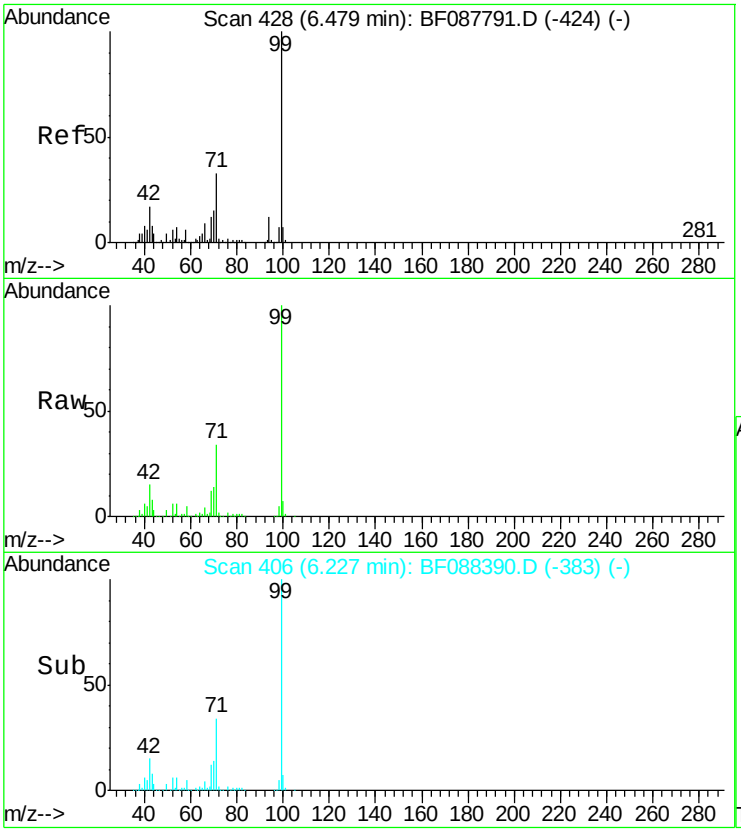


#5
2-Fluorophenol
Concen: 98.69 ng
RT: 5.14 min Scan# 311
Delta R.T. -0.03 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:112 Resp: 436349

Ion	Ratio	Lower	Upper
112	100		
64	56.7	42.2	63.2
63	29.0	21.8	32.8



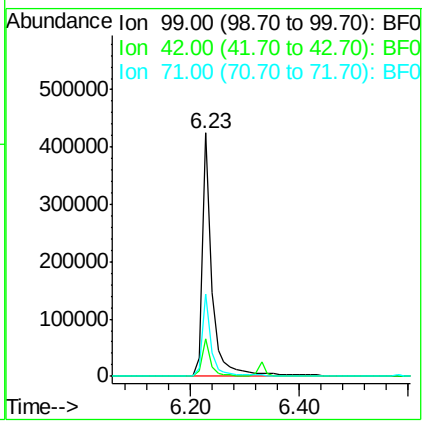


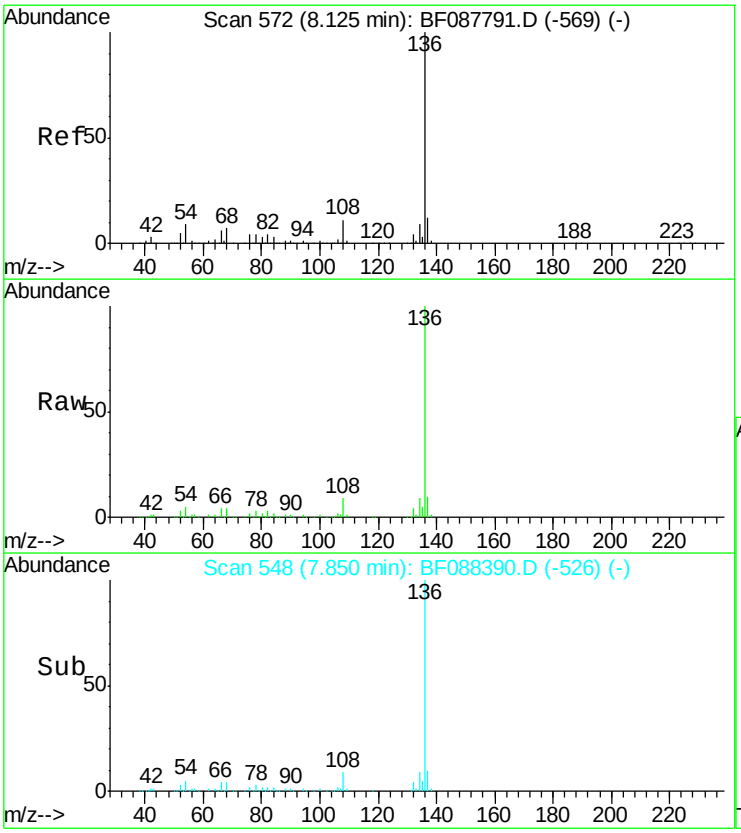
#7
Phenol-d6
Concen: 97.45 ng
RT: 6.23 min Scan# 406
Delta R.T. -0.03 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion: 99 Resp: 522181

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.2	18.2
71	33.8	23.4	35.0

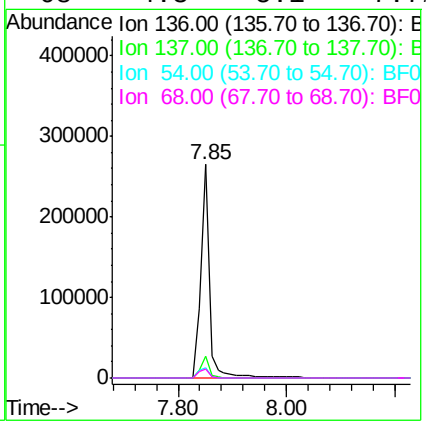


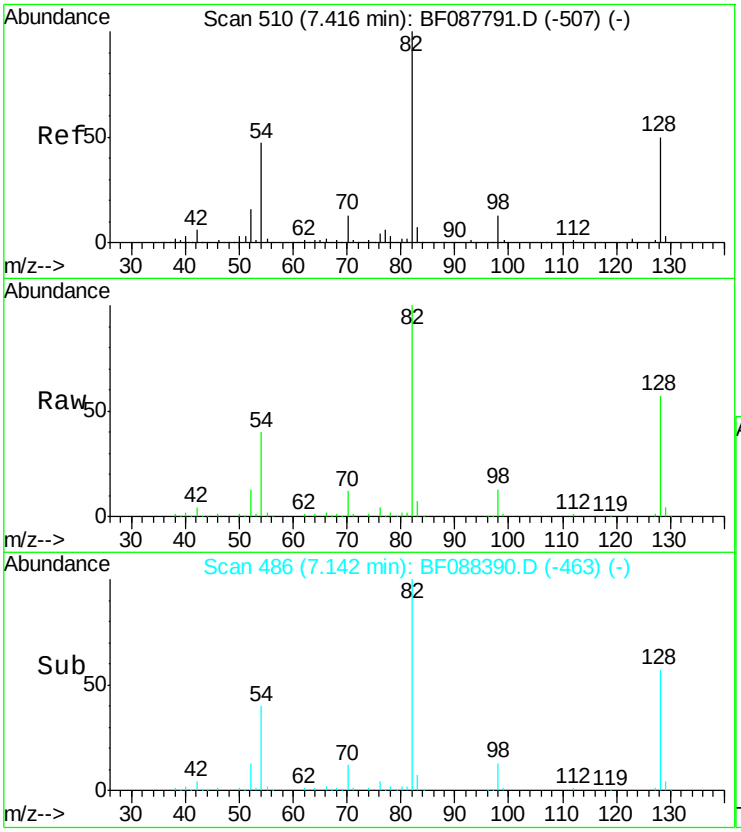


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.85 min Scan# 548
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:136 Resp: 289333

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	5.0	6.6	10.0#
68	4.3	5.1	7.7#



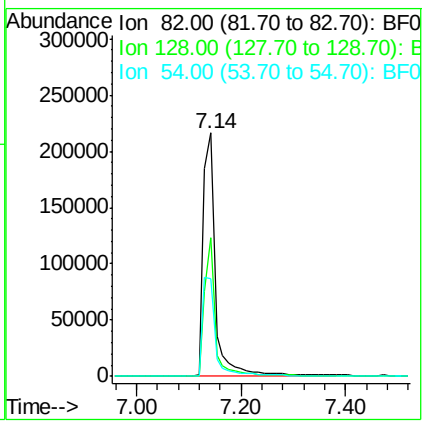


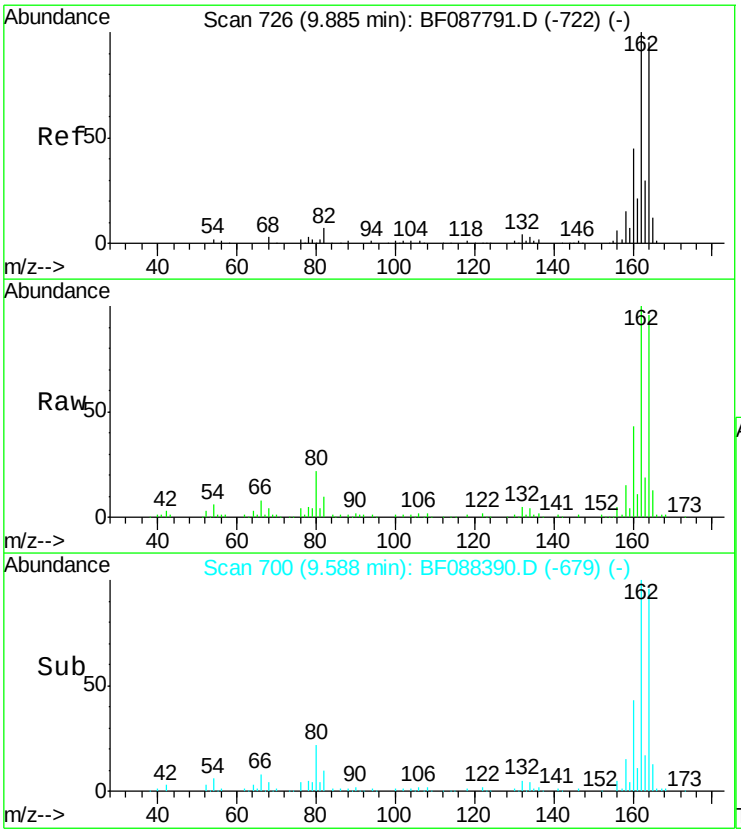
#23
Nitrobenzene-d5
Concen: 72.00 ng
RT: 7.14 min Scan# 486
Delta R.T. -0.03 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion: 82 Resp: 356747

Ion	Ratio	Lower	Upper
82	100		
128	56.9	35.9	53.9#
54	39.9	40.9	61.3#

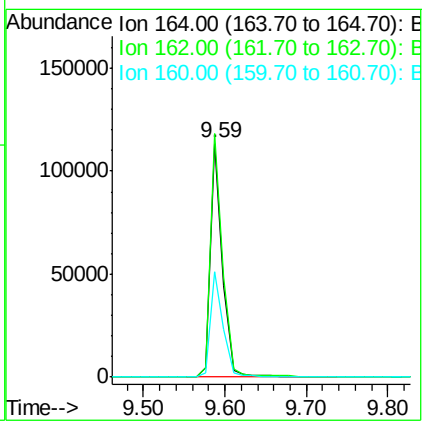


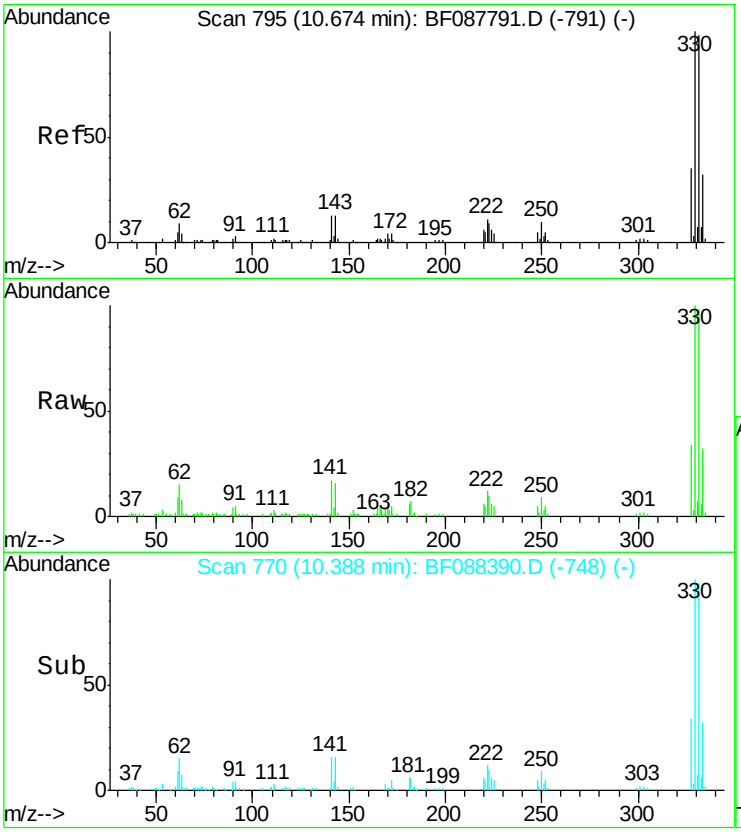


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.06 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:164 Resp: 117544

Ion	Ratio	Lower	Upper
164	100		
162	104.1	85.4	128.2
160	45.3	39.5	59.3



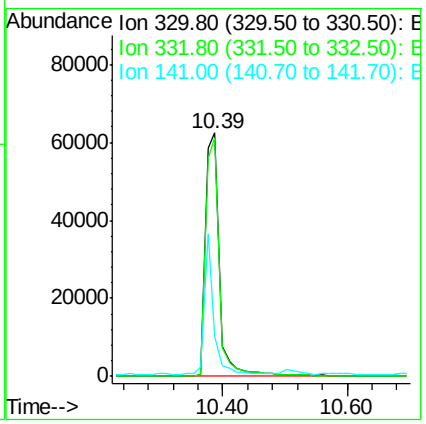


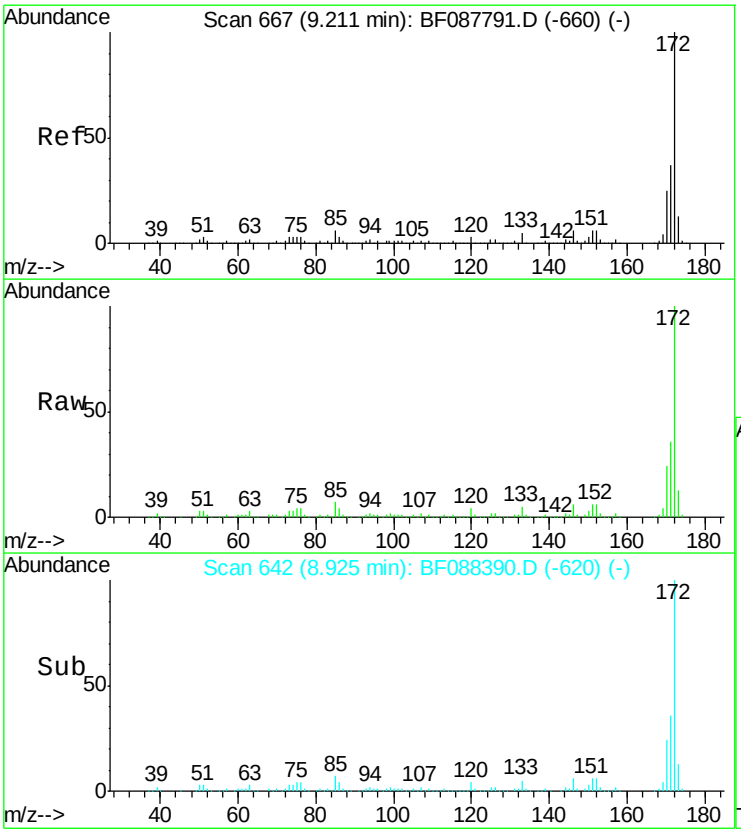
#41
2,4,6-Tribromophenol
Concen: 78.80 ng
RT: 10.39 min Scan# 770
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:330 Resp: 97796

Ion	Ratio	Lower	Upper
330	100		
332	96.4	0.0	0.0#
141	40.2	0.0	0.0#

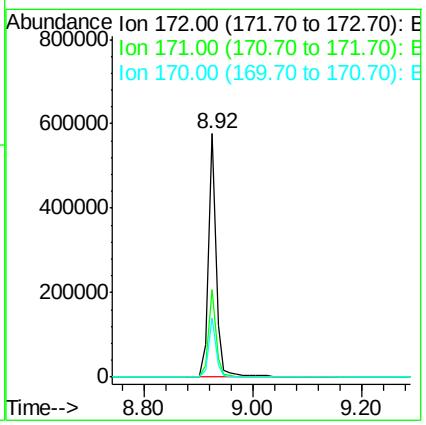


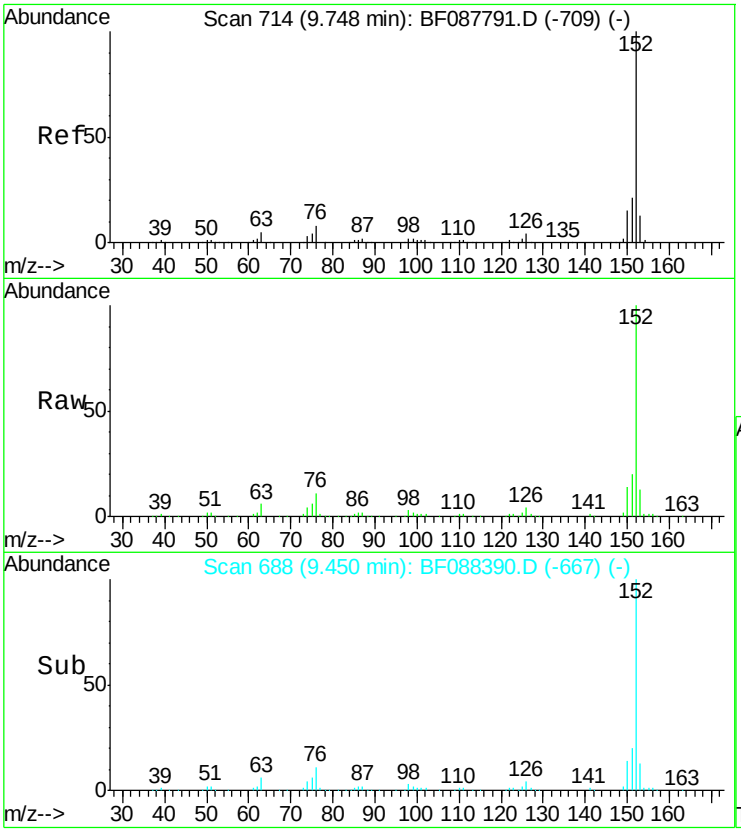


#44
2-Fluorobiphenyl
Concen: 76.96 ng
RT: 8.92 min Scan# 642
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:172 Resp: 579768

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.1	19.2	28.8



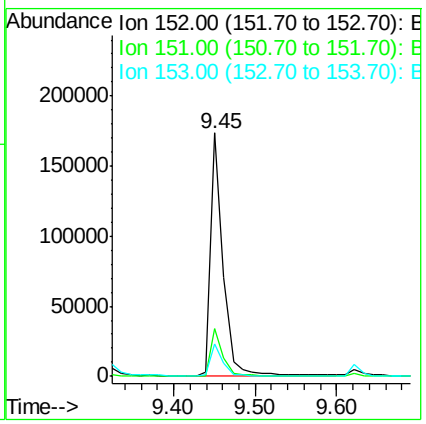


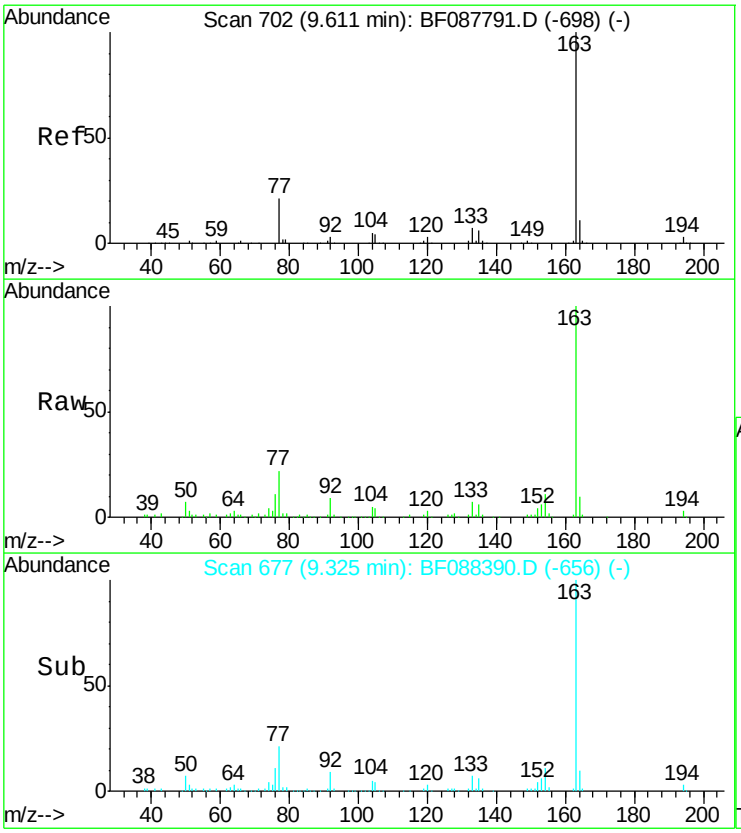
#48
Acenaphthylene
Concen: 15.80 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.06 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:152 Resp: 191217

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.2	24.4
153	13.3	11.0	16.6

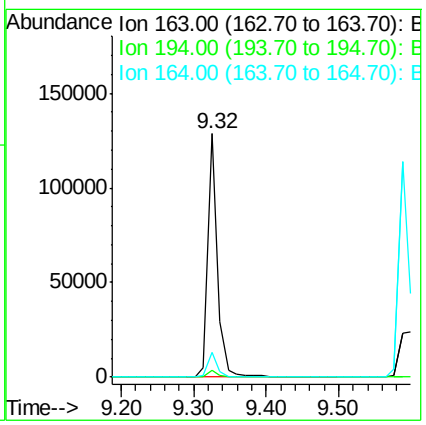


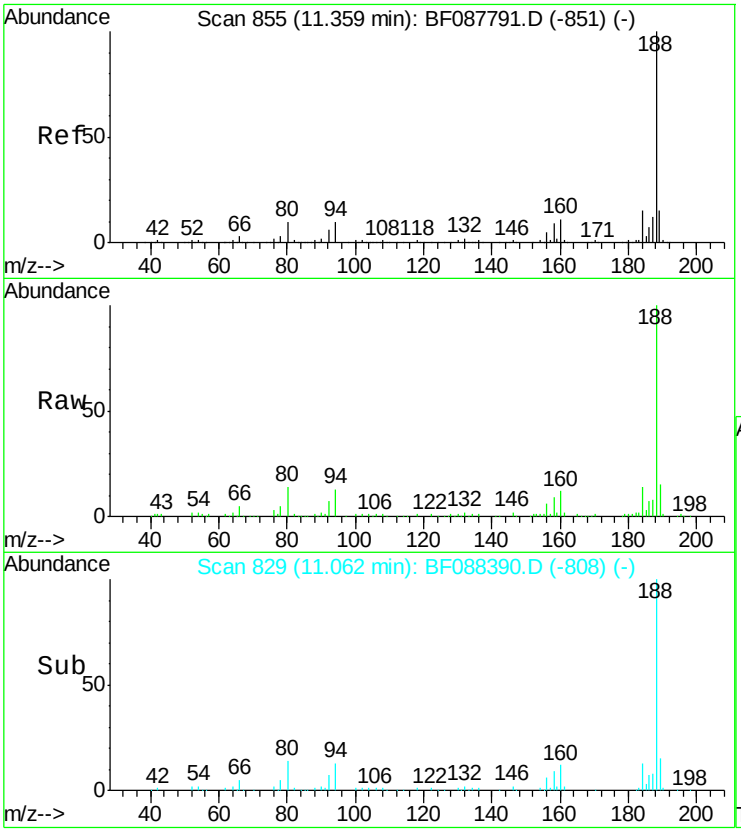


#49
Dimethylphthalate
Concen: 13.96 ng
RT: 9.32 min Scan# 677
Delta R.T. -0.06 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:163 Resp: 118833

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.3	8.3	12.5



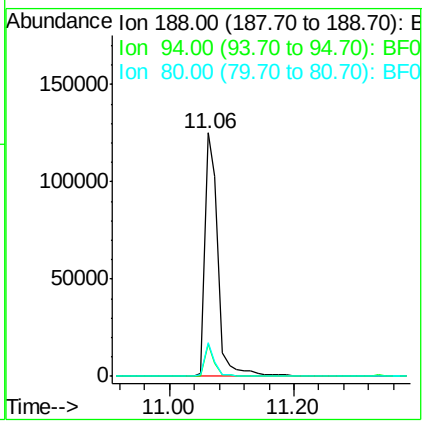


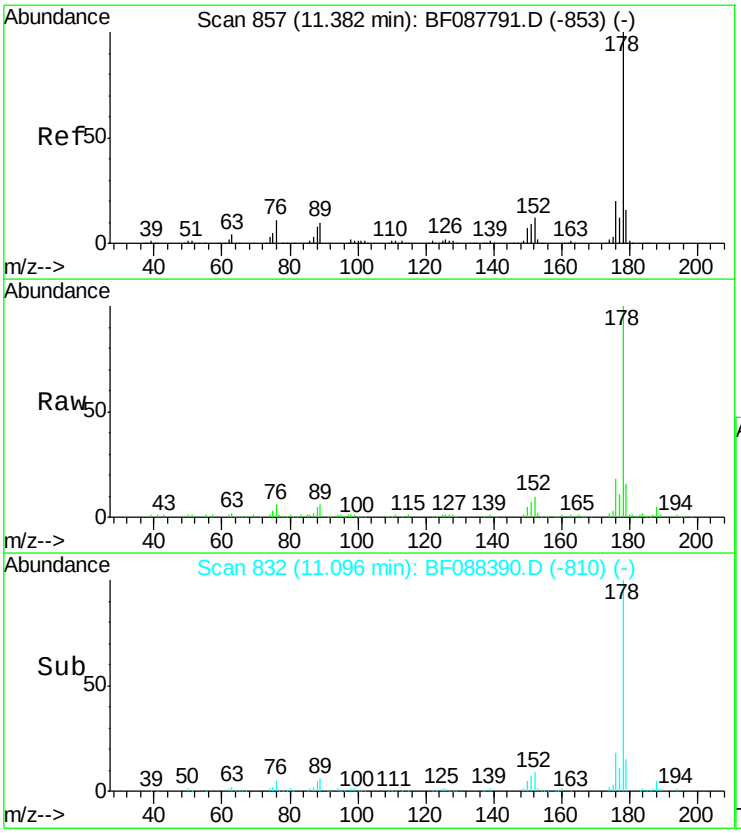
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 829
Delta R.T. -0.06 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:188 Resp: 180833

Ion	Ratio	Lower	Upper
188	100		
94	13.2	9.0	13.6
80	13.9	10.0	15.0

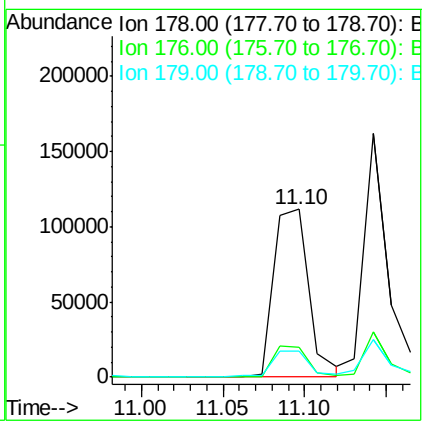


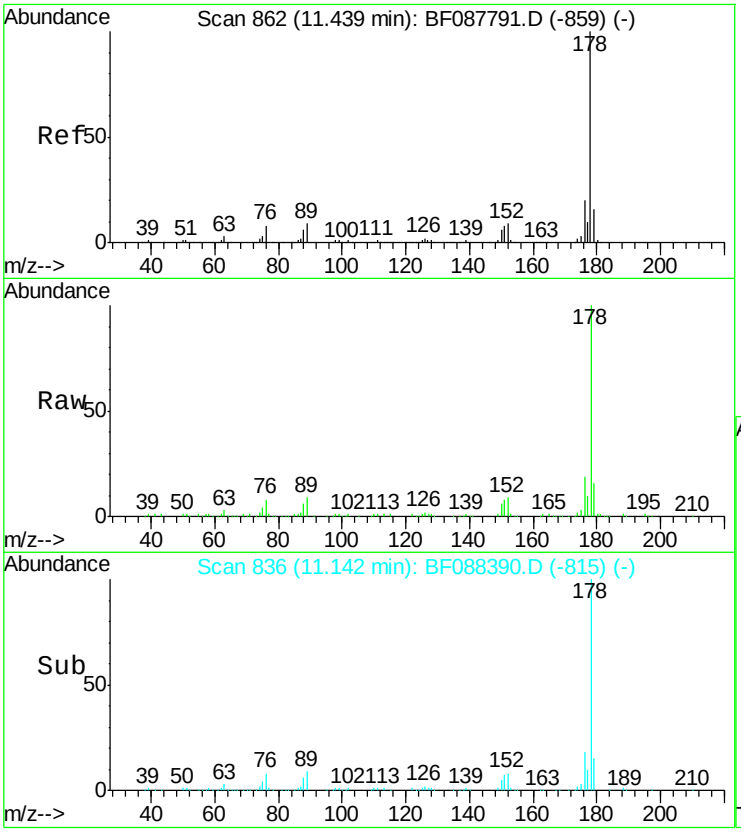


#70
Phenanthrene
Concen: 17.45 ng
RT: 11.10 min Scan# 832
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:178 Resp: 165588

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.6
179	15.5	13.0	19.4



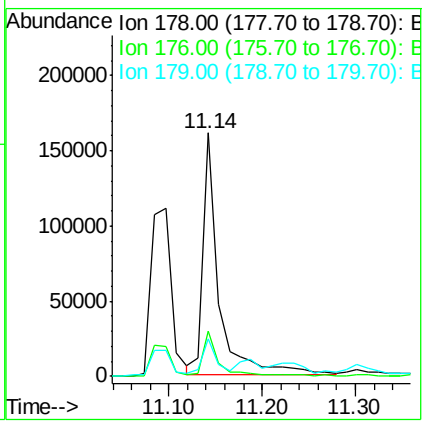


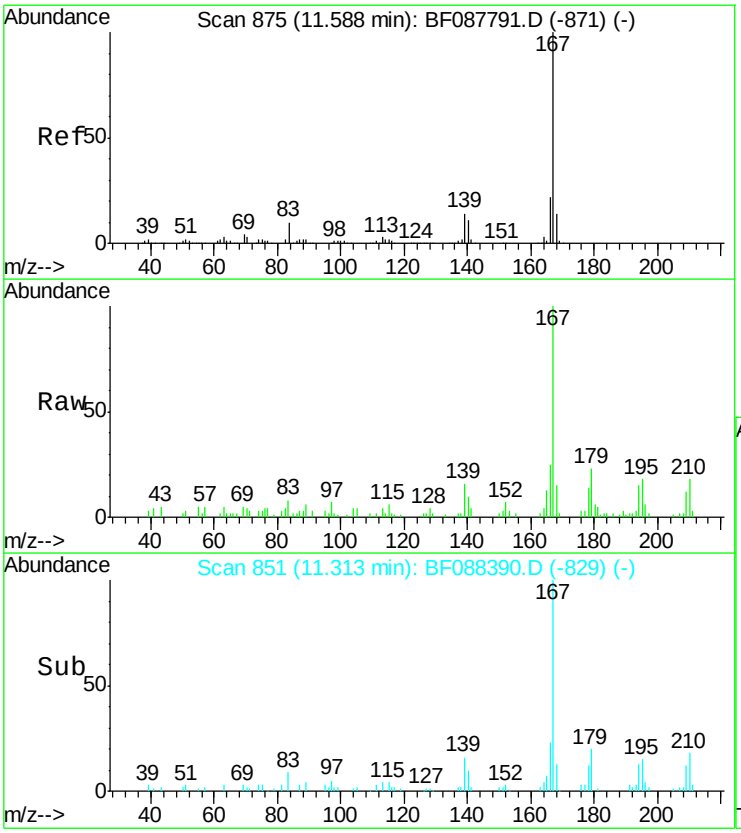
#71
Anthracene
Concen: 20.32 ng
RT: 11.14 min Scan# 836
Delta R.T. -0.06 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:178 Resp: 194498

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	15.6	12.8	19.2

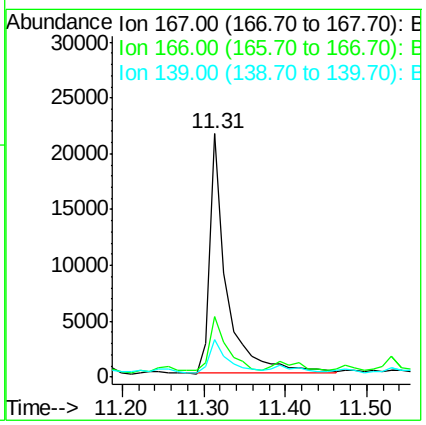


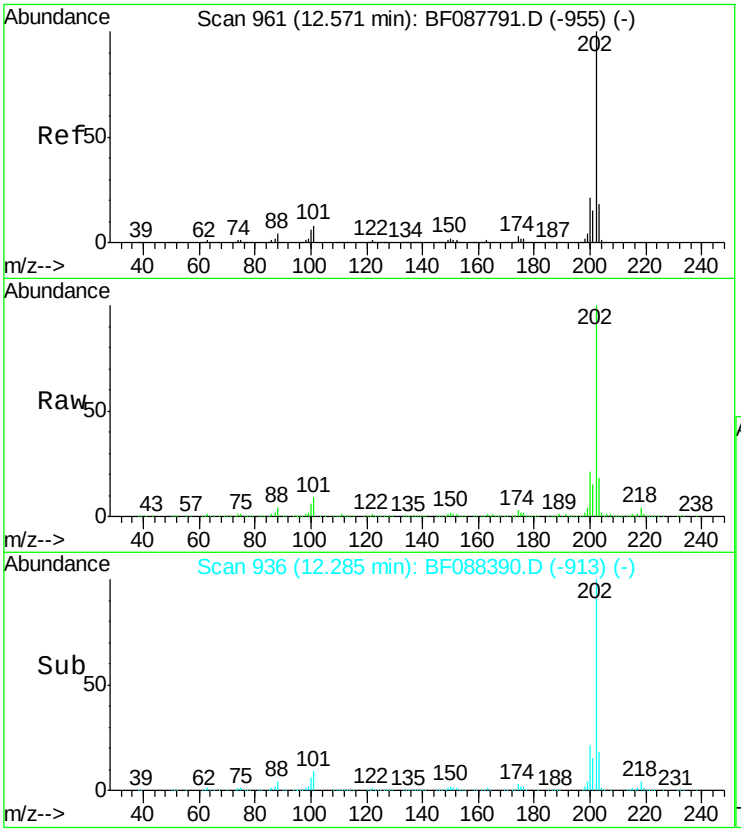


#72
Carbazole
Concen: 3.46 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:167 Resp: 31019

Ion	Ratio	Lower	Upper
167	100		
166	24.9	17.8	26.6
139	15.5	11.2	16.8



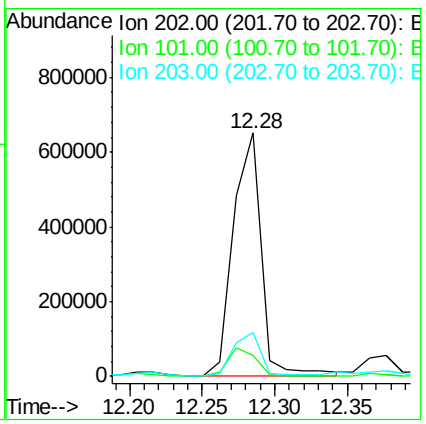


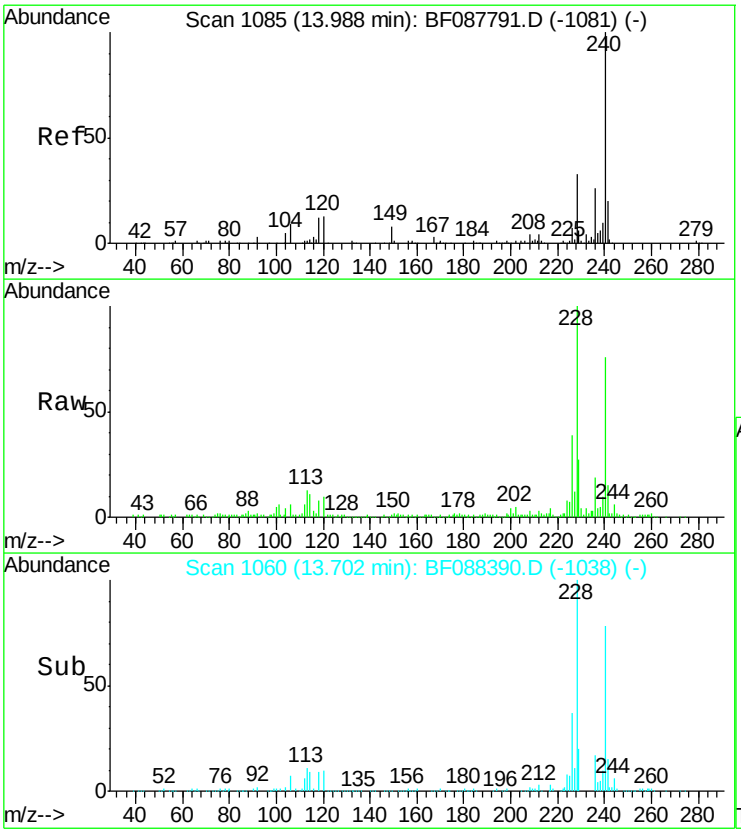
#74
Fluoranthene
Concen: 85.73 ng
RT: 12.28 min Scan# 936
Delta R.T. -0.03 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:202 Resp: 858469

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	33.1
203	17.9	0.0	38.1

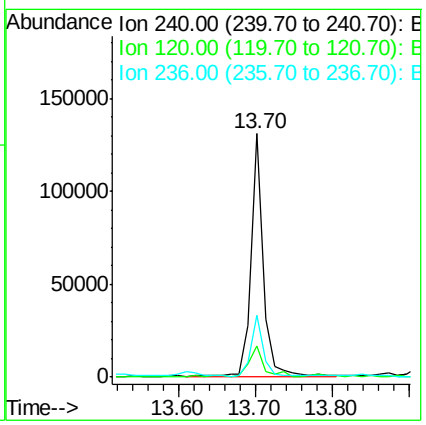


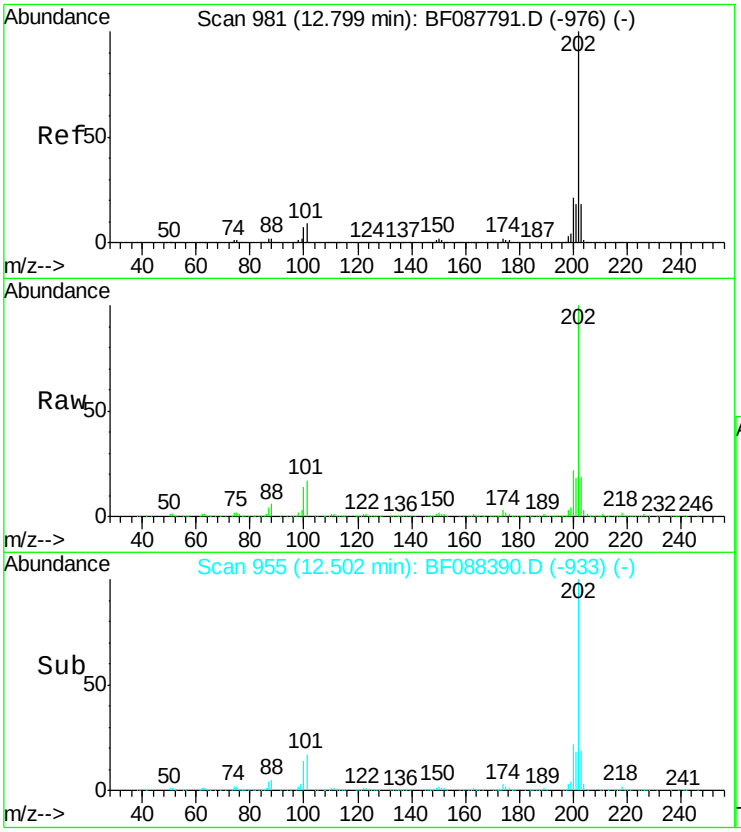


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:240 Resp: 140391

Ion	Ratio	Lower	Upper
240	100		
120	12.7	6.8	10.2#
236	25.5	20.2	30.2



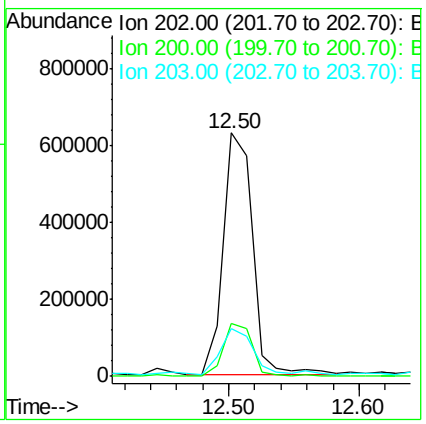


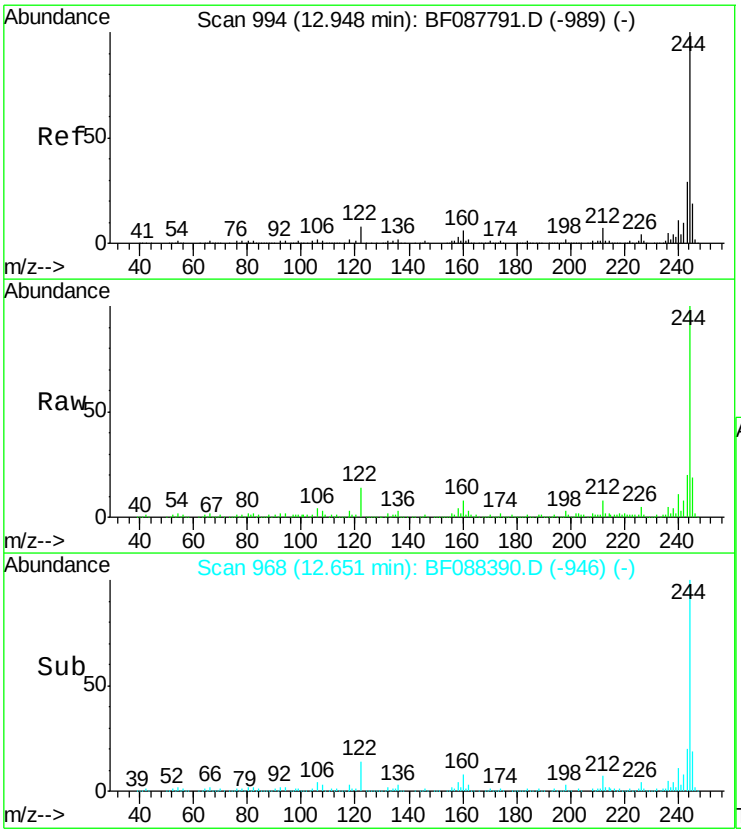
#77
Pyrene
Concen: 93.50 ng
RT: 12.50 min Scan# 955
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:202 Resp: 974025

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	19.4	14.5	21.7

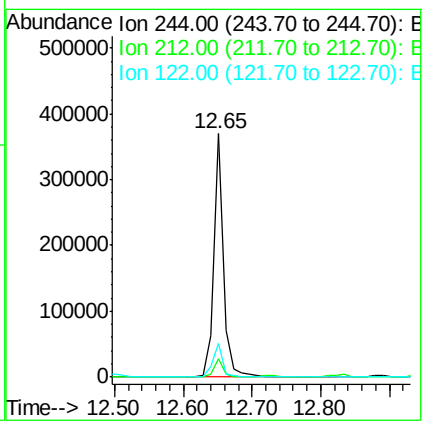


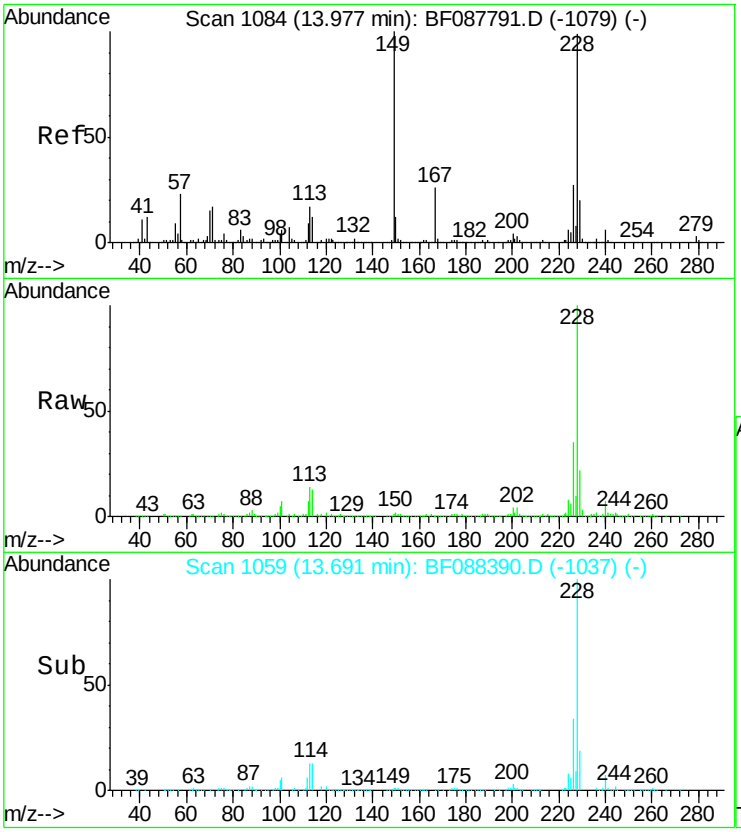


#78
Terphenyl-d14
Concen: 59.68 ng
RT: 12.65 min Scan# 968
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:244 Resp: 368177

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	13.7	11.2	16.8



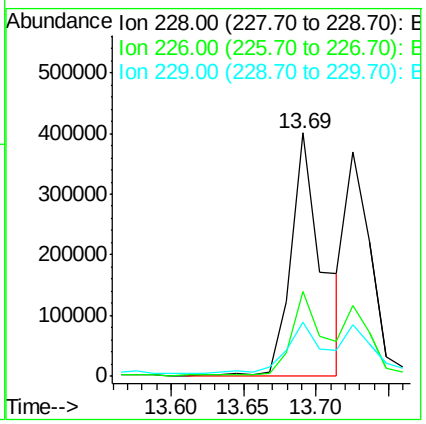


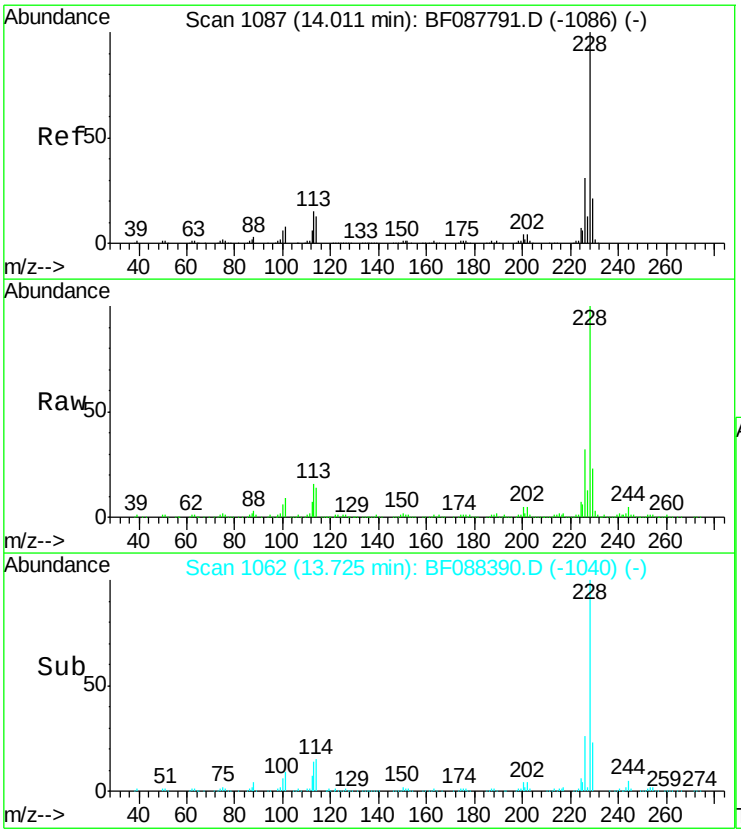
#80
Benzo(a)anthracene
Concen: 74.58 ng
RT: 13.69 min Scan# 1059
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:228 Resp: 596701

Ion	Ratio	Lower	Upper
228	100		
226	35.0	22.3	33.5#
229	22.2	16.0	24.0

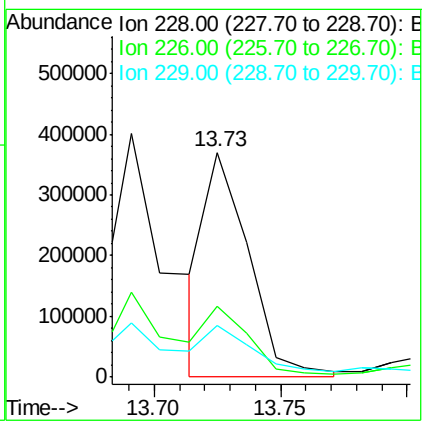


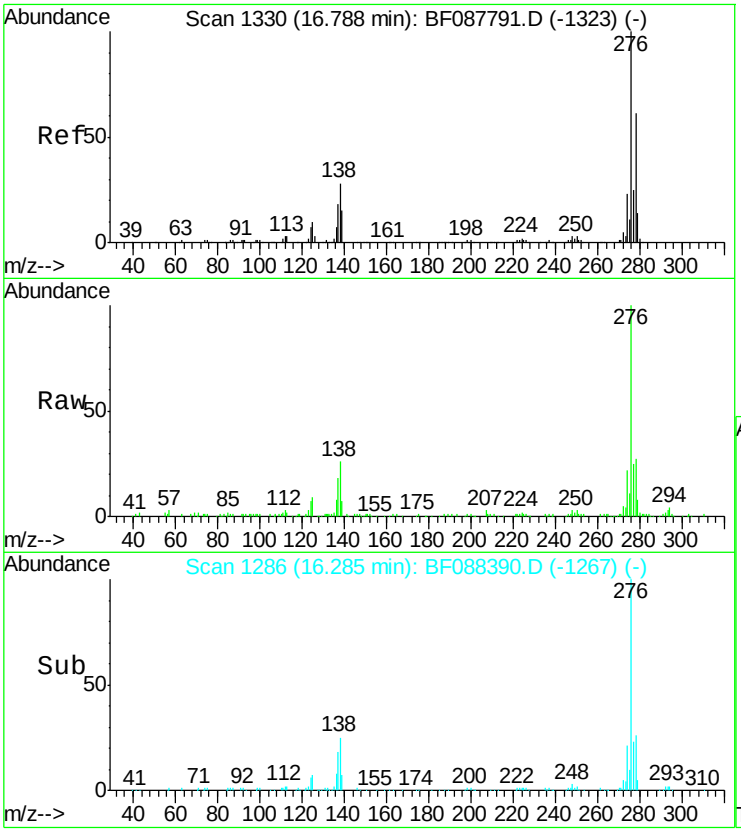


#82
Chrysene
Concen: 59.14 ng m
RT: 13.73 min Scan# 1062
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:228 Resp: 445132

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.4	38.2
229	22.8	16.3	24.5



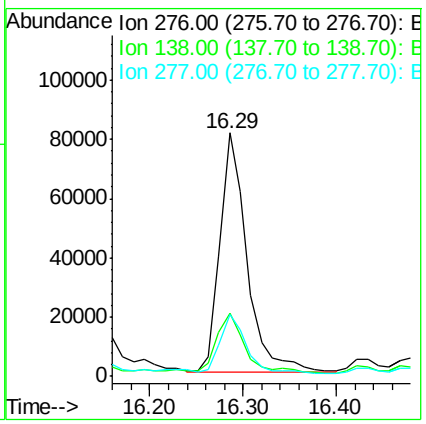


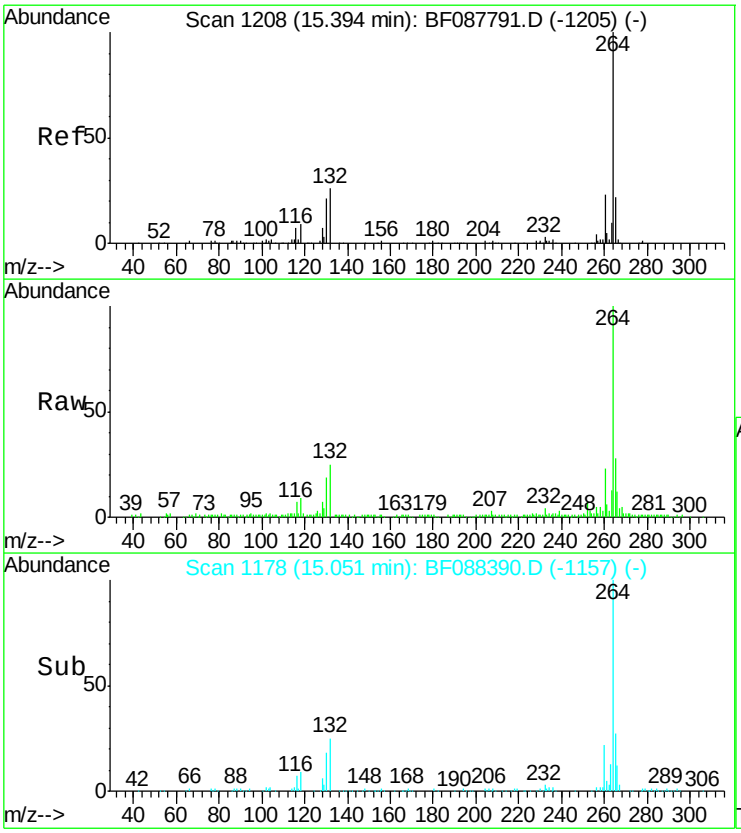
#85
Indeno(1,2,3-cd)pyrene
Concen: 23.40 ng
RT: 16.29 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:276 Resp: 163649

Ion	Ratio	Lower	Upper
276	100		
138	26.6	0.0	0.0#
277	23.8	0.0	0.0#

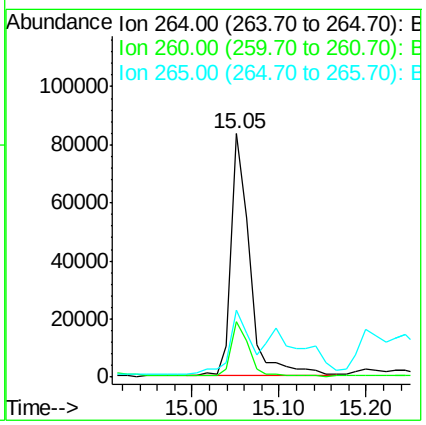


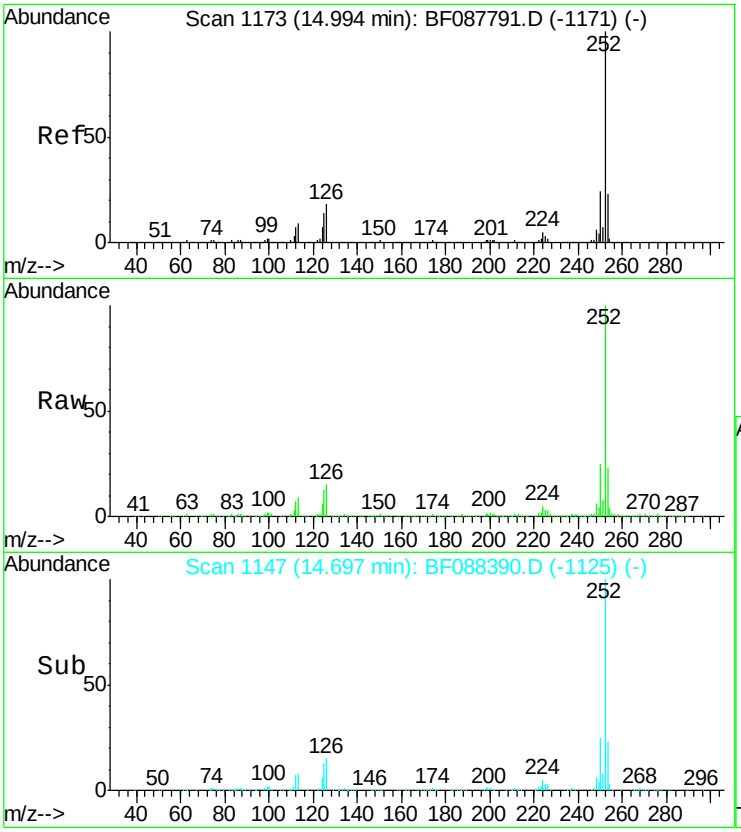


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.05 min Scan# 1178
Delta R.T. -0.06 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:264 Resp: 124111

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	27.6	16.9	25.3#



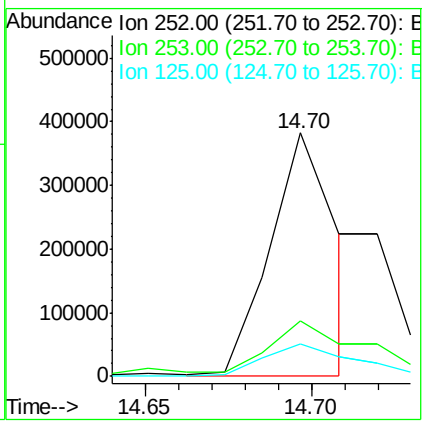


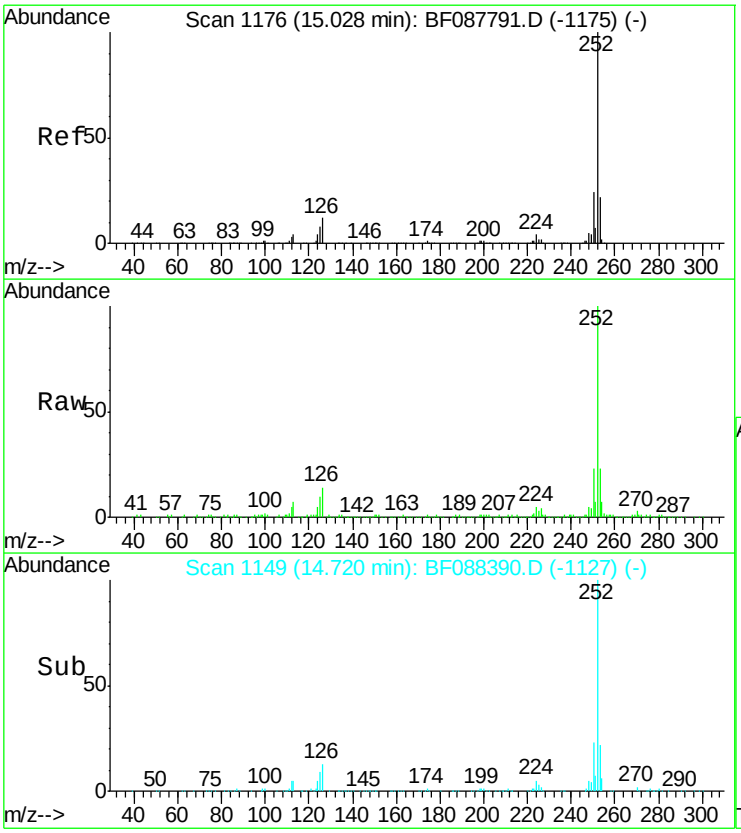
#87
Benzo(b)fluoranthene
Concen: 60.98 ng m
RT: 14.70 min Scan# 1147
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:252 Resp: 527466

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.2
125	13.5	7.1	10.7#

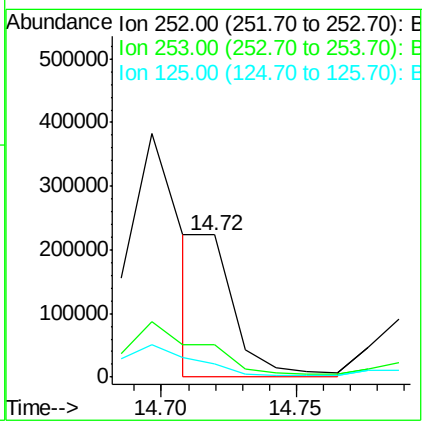


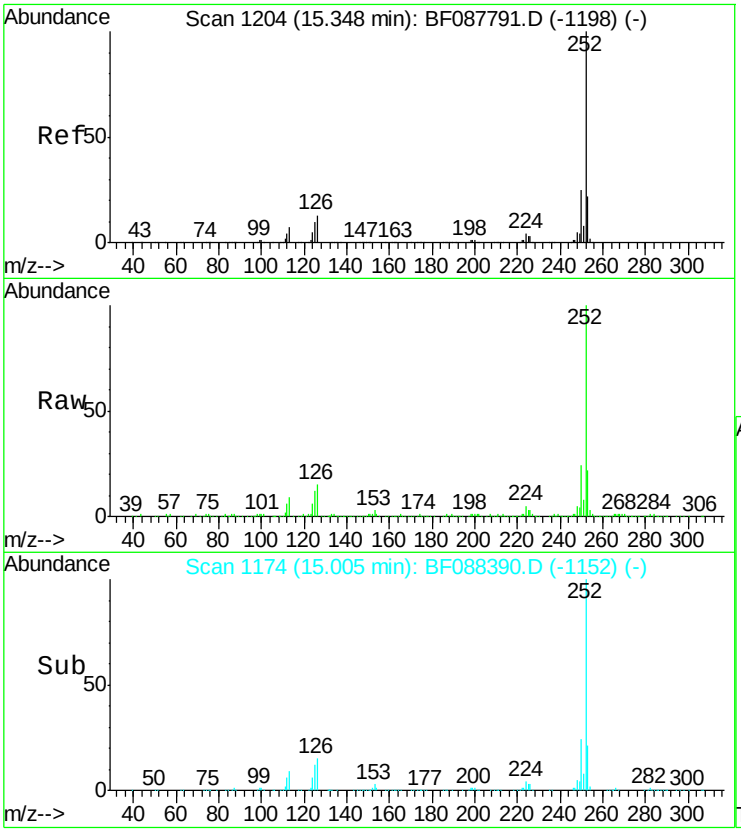


#88
Benzo(k)fluoranthene
Concen: 31.43 ng m
RT: 14.72 min Scan# 1149
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:252 Resp: 205120

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	9.7	11.2	16.8#



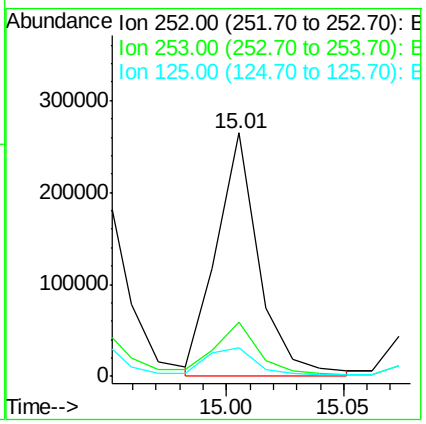


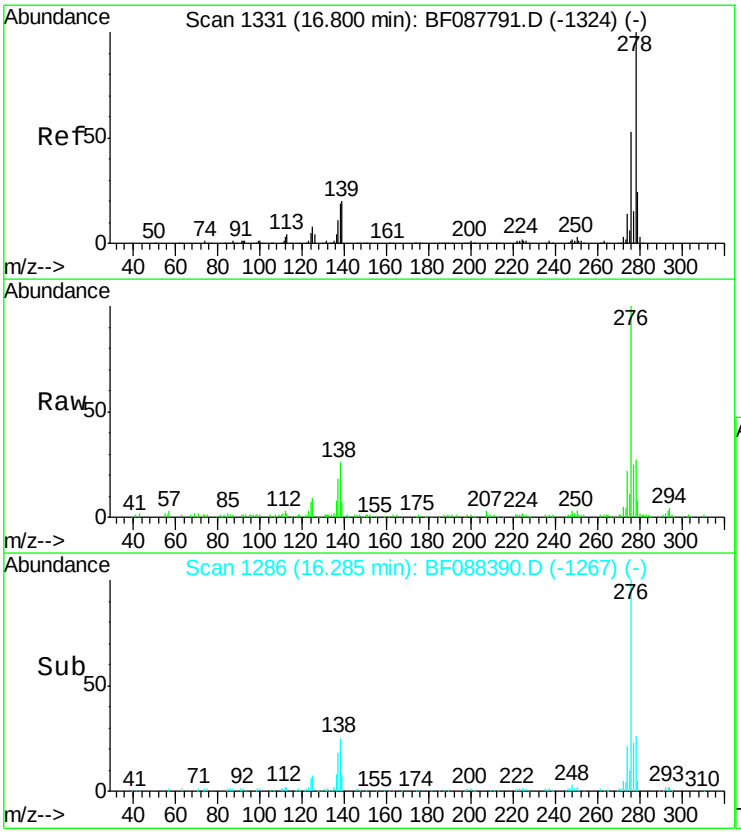
#89
Benzo(a)pyrene
Concen: 47.94 ng m
RT: 15.01 min Scan# 1174
Delta R.T. -0.05 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:252 Resp: 335519

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	11.9	12.5	18.7#

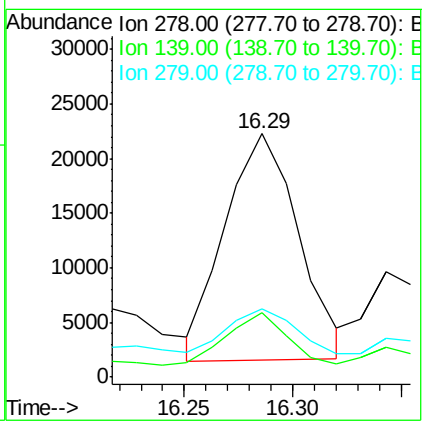


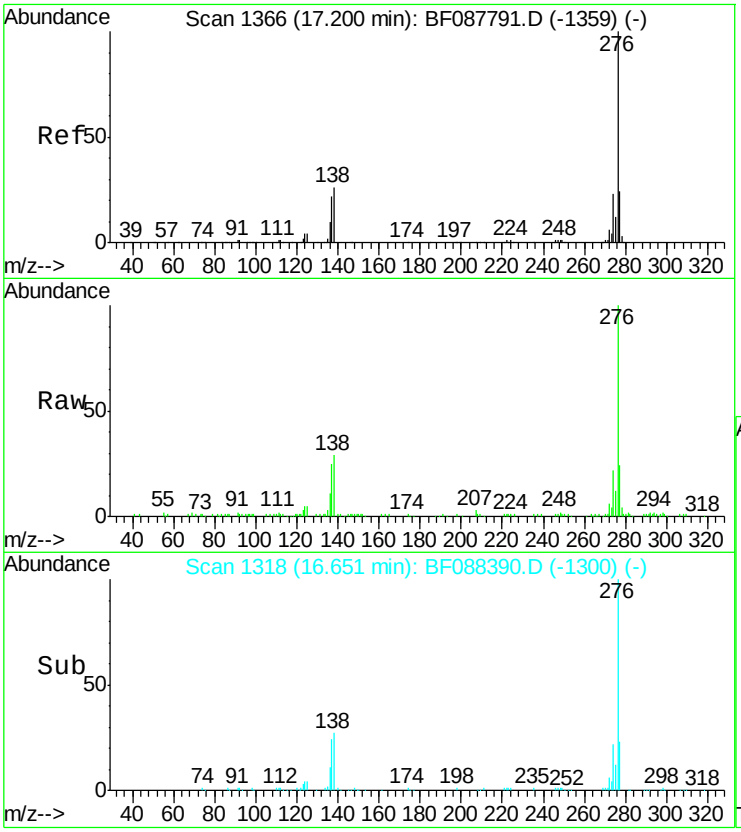


#90
Dibenzo(a,h)anthracene
Concen: 7.53 ng
RT: 16.29 min Scan# 1286
Delta R.T. -0.08 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Tgt Ion:278 Resp: 48925

Ion	Ratio	Lower	Upper
278	100		
139	26.3	15.7	23.5#
279	28.2	19.4	29.2





#91
Benzo(g,h,i)perylene
Concen: 22.55 ng
RT: 16.65 min Scan# 1318
Delta R.T. -0.09 min
Lab File: BF088390.D
Acq: 25 Jun 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SC-STA-1506(0-4)

Tgt Ion:276 Resp: 150804

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	28.7	21.4	32.2