Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071516\
Data File : BF089025.D
Acq On : 15 Jul 2016 19:28
Operator : UM/SJ
Sample : H3951-08 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LSS-SB-SB03(0-2ft)

Quant Time: Jul 16 01:41:03 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 16 00:31:51 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	59408	20.00	ng		0.00
21) Naphthalene-d8	7.96	136	235308	20.00	ng		0.00
38) Acenaphthene-d10	9.71	164	88776	20.00	ng		0.00
63) Phenanthrene-d10	11.19	188	131508	20.00	ng		0.00
75) Chrysene-d12	13.81	240	102698	20.00	ng		-0.01
86) Perylene-d12	15.18	264	75413	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.27	112	114965	29.00	ng		0.00
7) Phenol-d6	6.32	99	137306	26.81	ng		-0.01
23) Nitrobenzene-d5	7.23	82	79223	17.64	ng		-0.01
41) 2,4,6-Tribromophenol	10.49	330	15983	19.39	ng		-0.01
44) 2-Fluorobiphenyl	9.04	172	153483	27.31	ng		0.00
78) Terphenyl-d14	12.77	244	89857	19.49	ng		-0.01
Target Compounds							Qvalue
48) Acenaphthylene	9.56	152	25561	2.78	ng		98
49) Dimethylphthalate	9.44	163	40210	6.36	ng		98
57) Fluorene	10.25	166	13193	2.32	ng		98
70) Phenanthrene	11.21	178	104784	14.58	ng		96
71) Anthracene	11.26	178	32506	4.55	ng		99
74) Fluoranthene	12.39	202	142054	19.49	ng		98
77) Pyrene	12.62	202	157264	18.06	ng		99
80) Benzo(a)anthracene	13.79	228	82253	12.44	ng	#	91
82) Chrysene	13.83	228	57871m	8.85	ng		
85) Indeno(1,2,3-cd)pyrene	16.43	276	24662	4.90	ng	#	100
87) Benzo(b)fluoranthene	14.80	252	63216m	13.36	ng		
88) Benzo(k)fluoranthene	14.82	252	20791m	5.05	ng		
89) Benzo(a)pyrene	15.12	252	44597m	11.13	ng		
90) Dibenzo(a,h)anthracene	16.45	278	9767	2.92	ng	#	90
91) Benzo(g,h,i)perylene	16.82	276	24143	6.98	ng		95

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

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LSS-SB-SB03(0-2ft)

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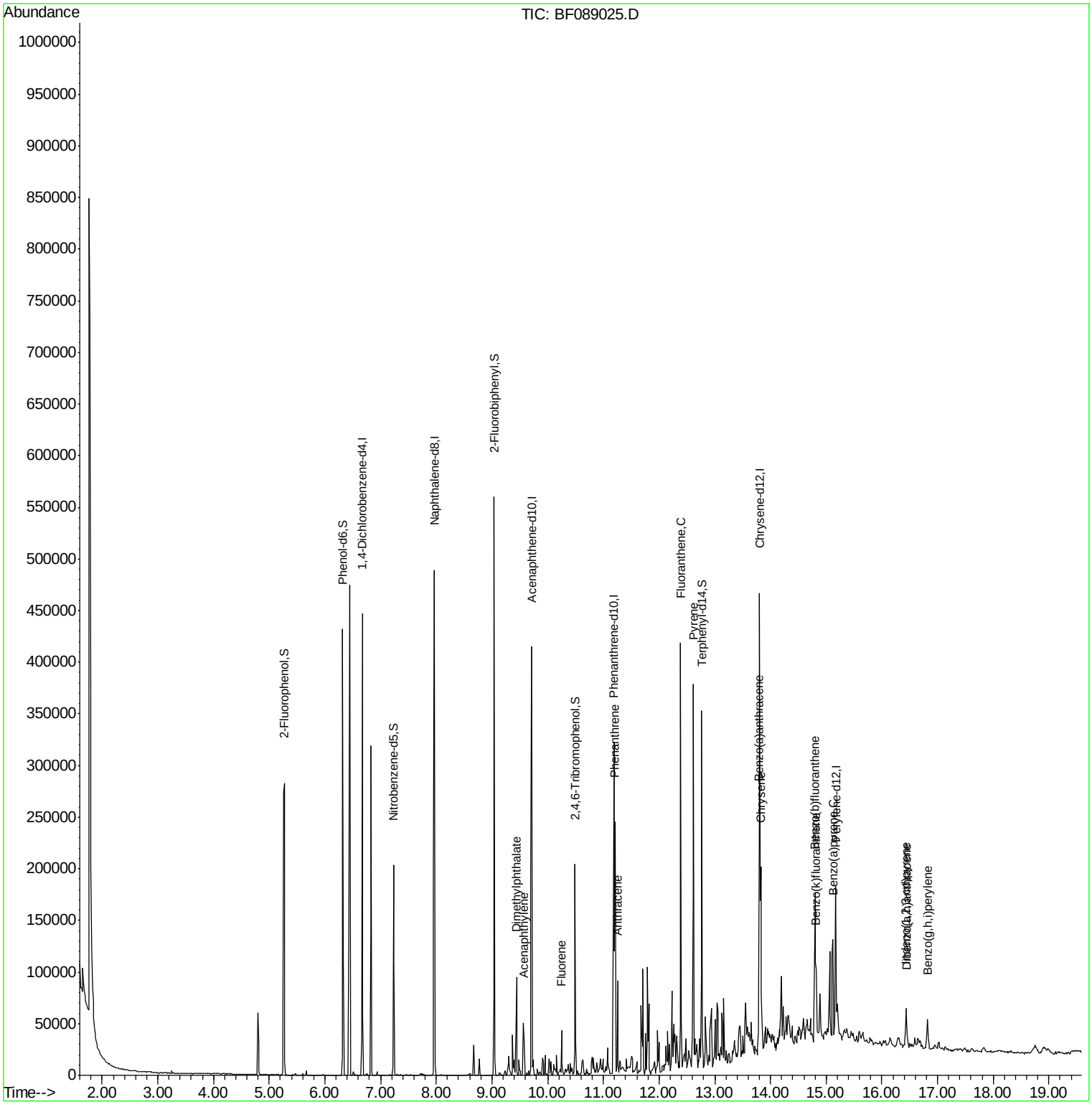
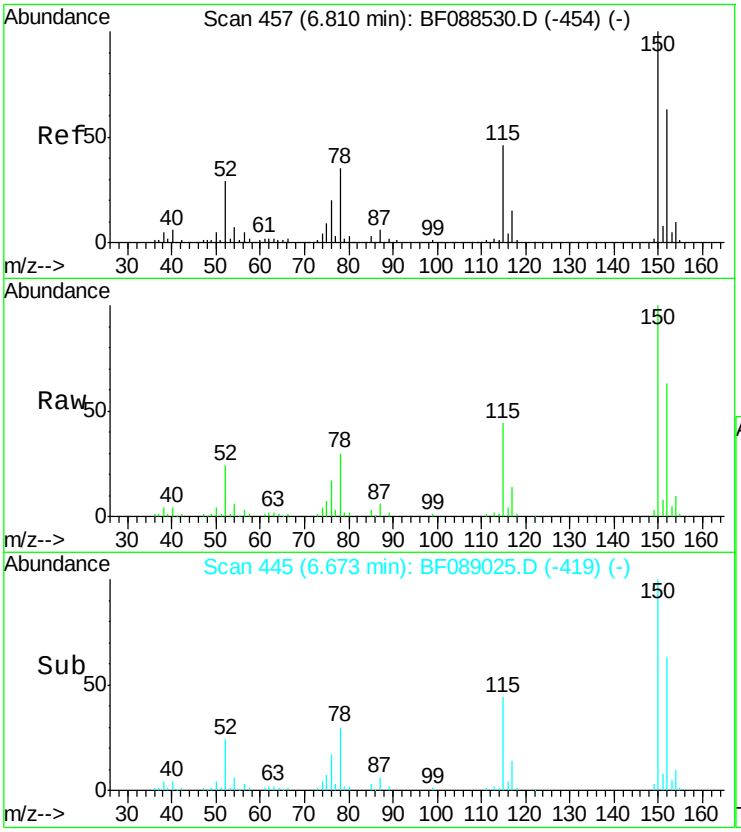


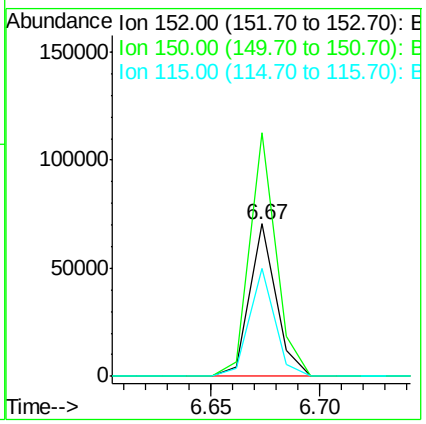


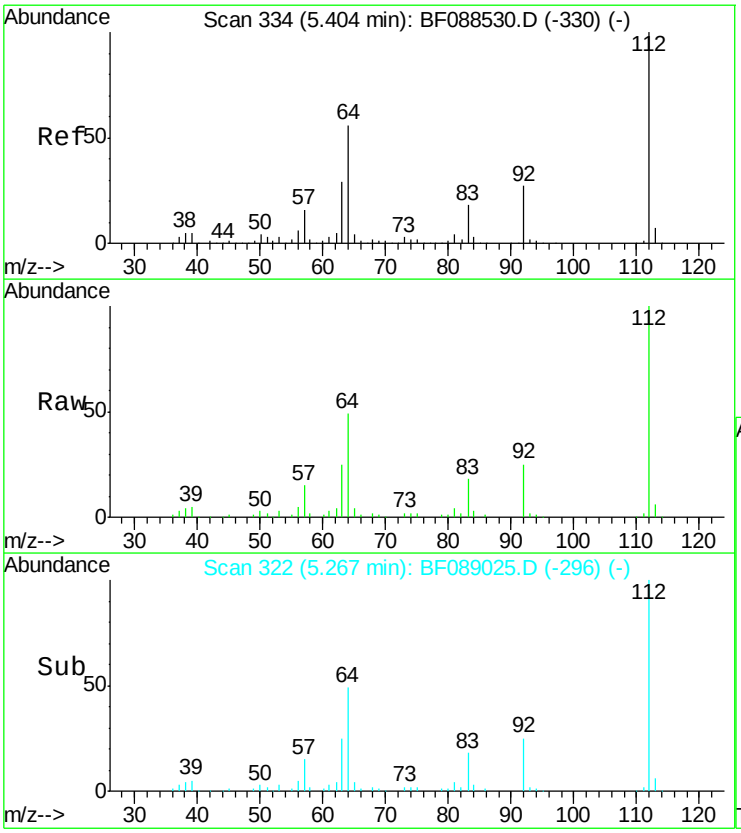
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.67 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:152 Resp: 59408

Ion	Ratio	Lower	Upper
152	100		
150	159.8	123.8	185.6
115	70.6	39.6	59.4#

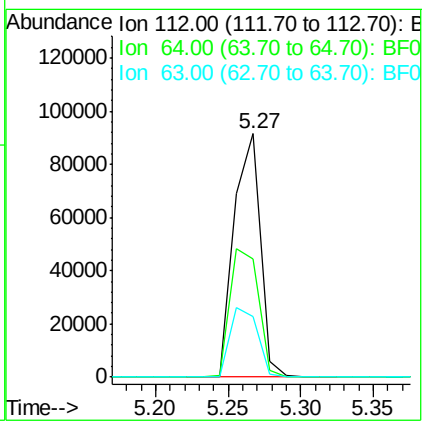


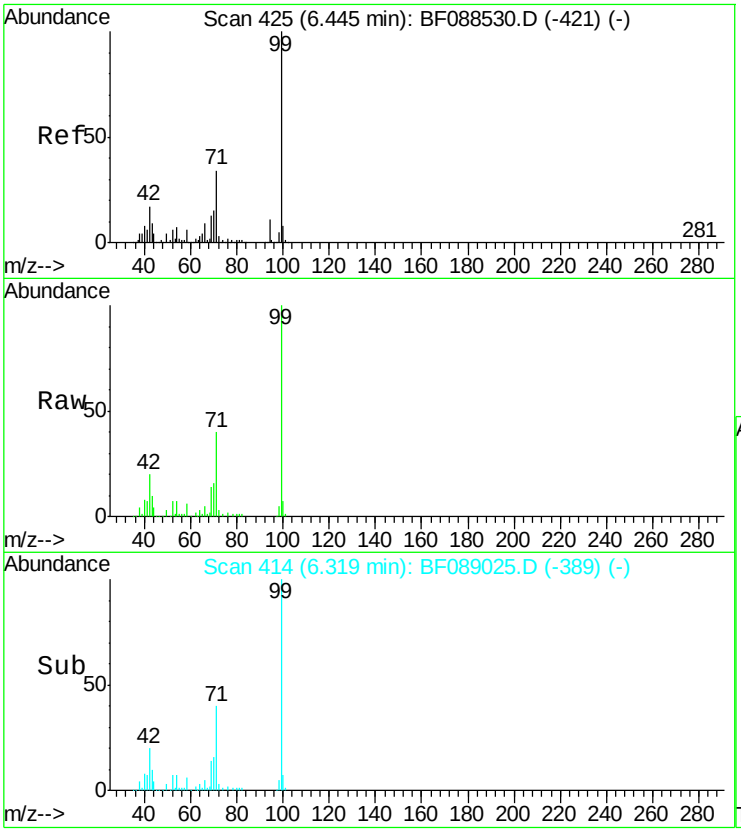


#5
2-Fluorophenol
Concen: 29.00 ng
RT: 5.27 min Scan# 322
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:112 Resp: 114965

Ion	Ratio	Lower	Upper
112	100		
64	48.7	42.2	63.2
63	24.7	21.8	32.8



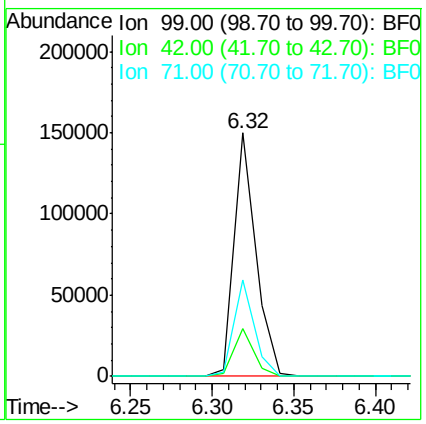


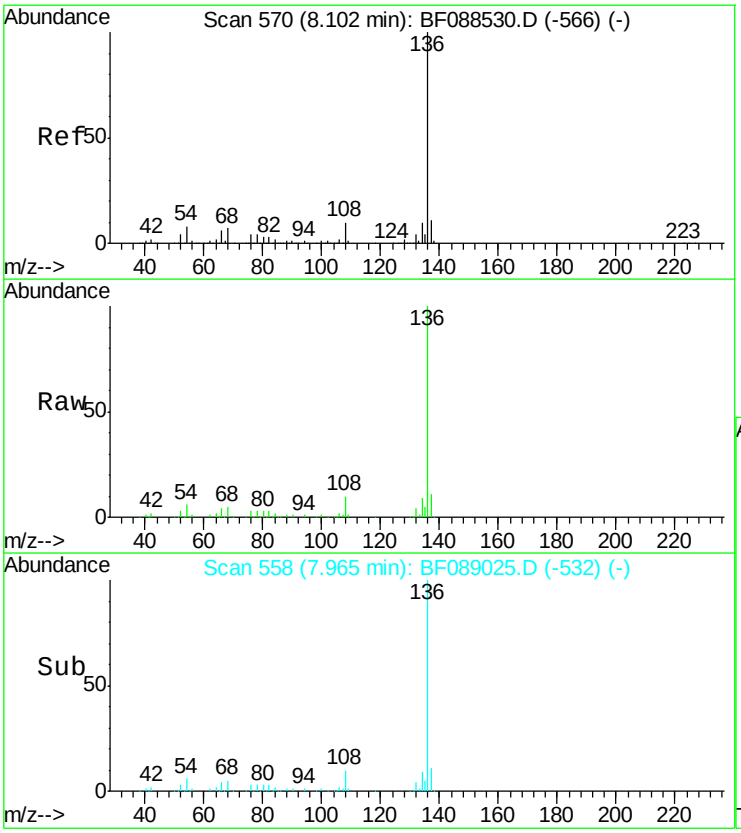
#7
Phenol-d6
Concen: 26.81 ng
RT: 6.32 min Scan# 414
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion: 99 Resp: 137306

Ion	Ratio	Lower	Upper
99	100		
42	19.5	12.2	18.2#
71	39.7	23.4	35.0#

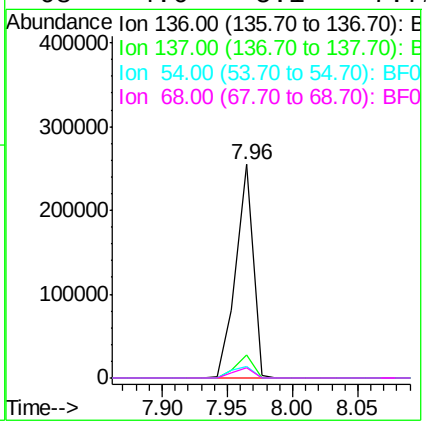


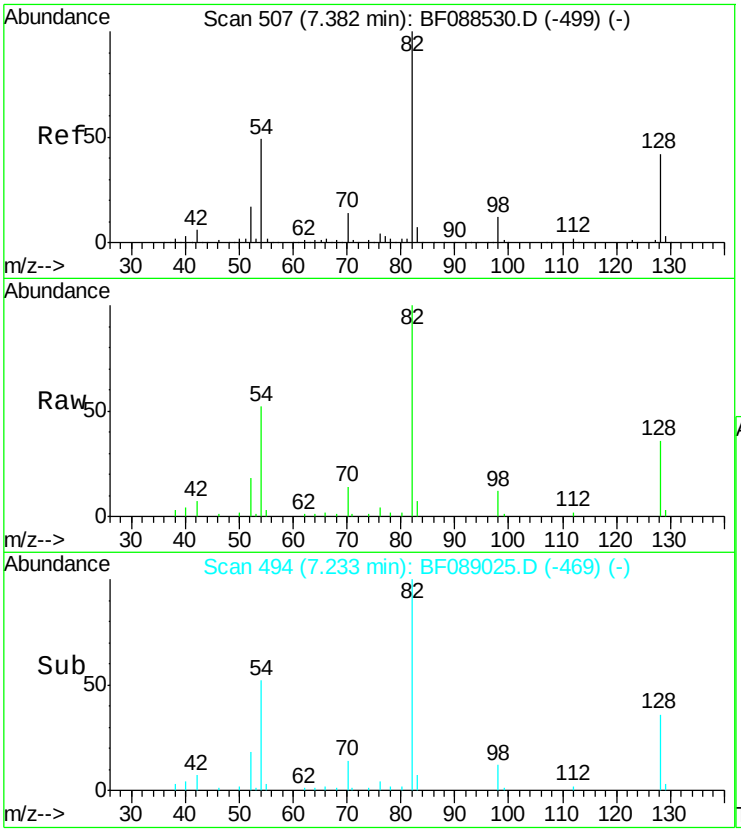


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.96 min Scan# 558
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:136 Resp: 235308

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.1	13.7
54	5.6	6.6	10.0#
68	4.6	5.1	7.7#



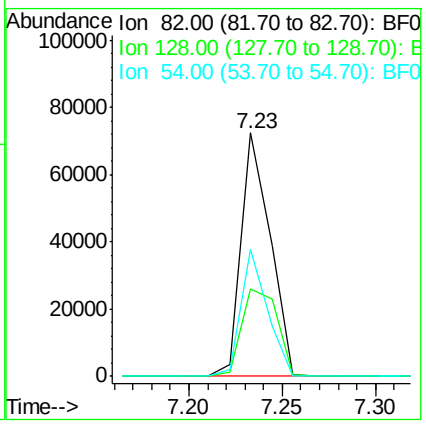


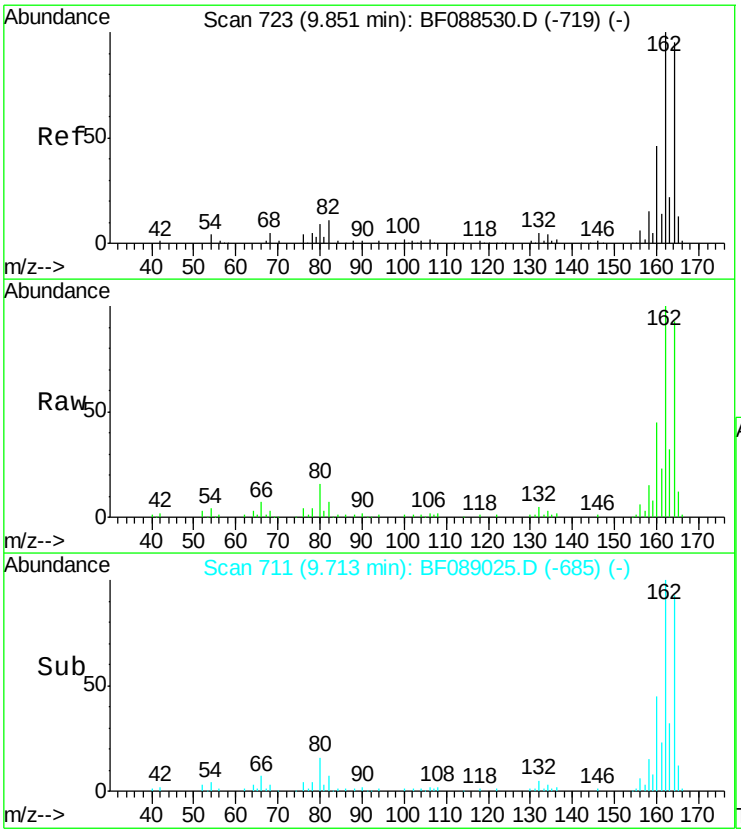
#23
Nitrobenzene-d5
Concen: 17.64 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion: 82 Resp: 79223

Ion	Ratio	Lower	Upper
82	100		
128	36.0	35.9	53.9
54	52.1	40.9	61.3

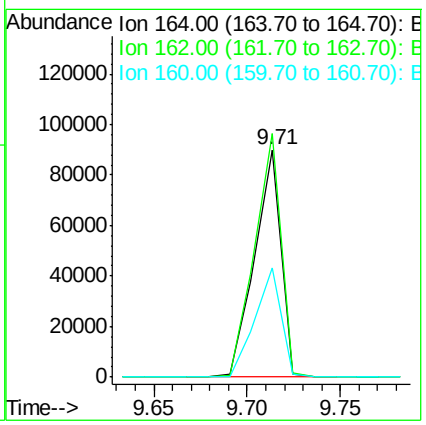


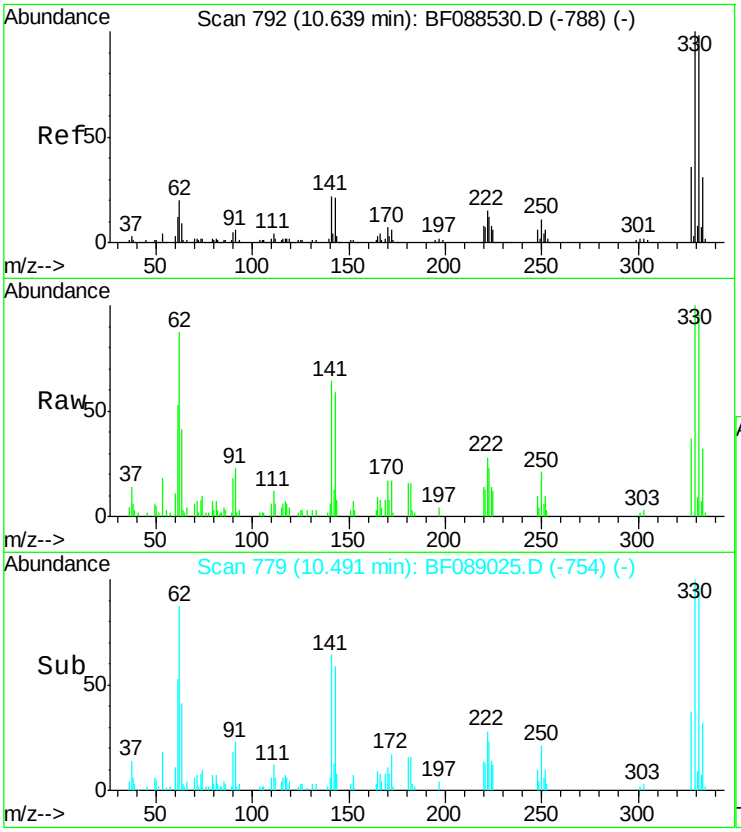


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.71 min Scan# 711
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:164 Resp: 88776

Ion	Ratio	Lower	Upper
164	100		
162	107.2	85.4	128.2
160	48.1	39.5	59.3



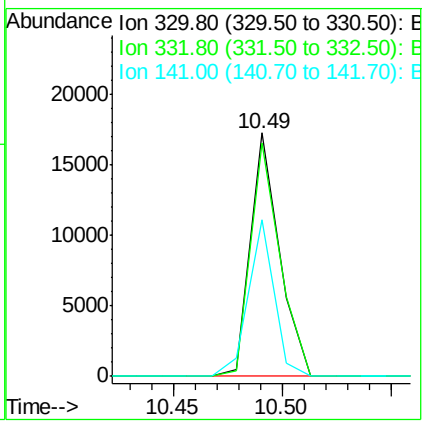


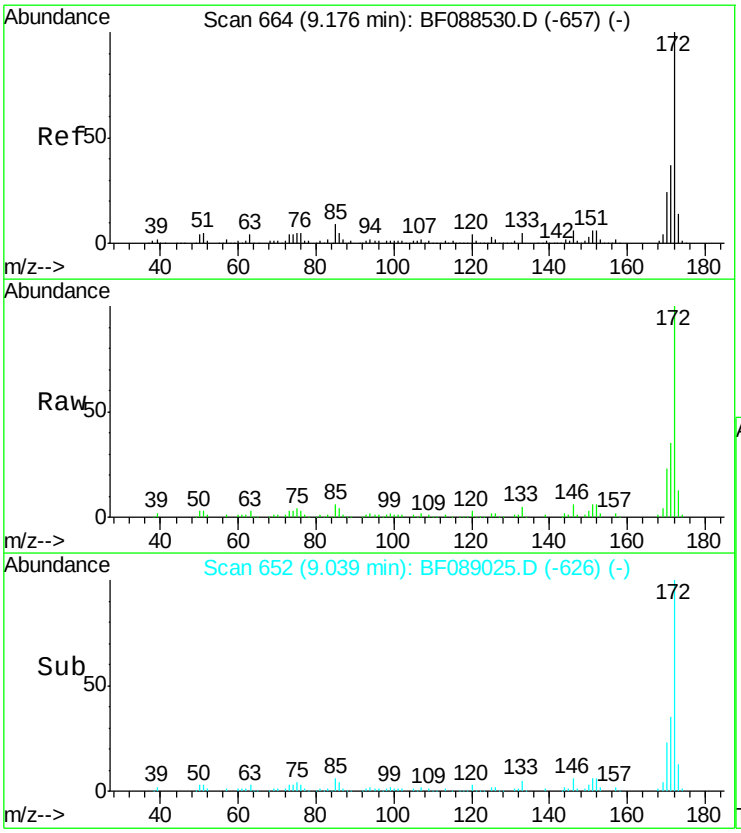
#41
2,4,6-Tribromophenol
Concen: 19.39 ng
RT: 10.49 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:330 Resp: 15983

Ion	Ratio	Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	57.3	0.0	0.0#

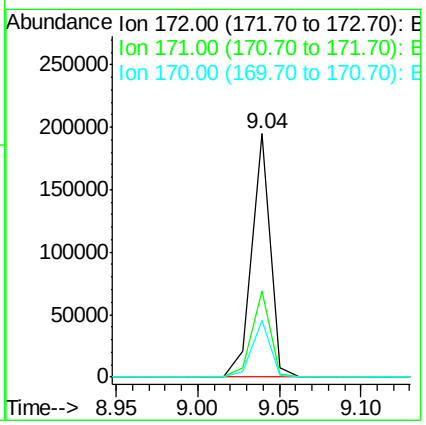


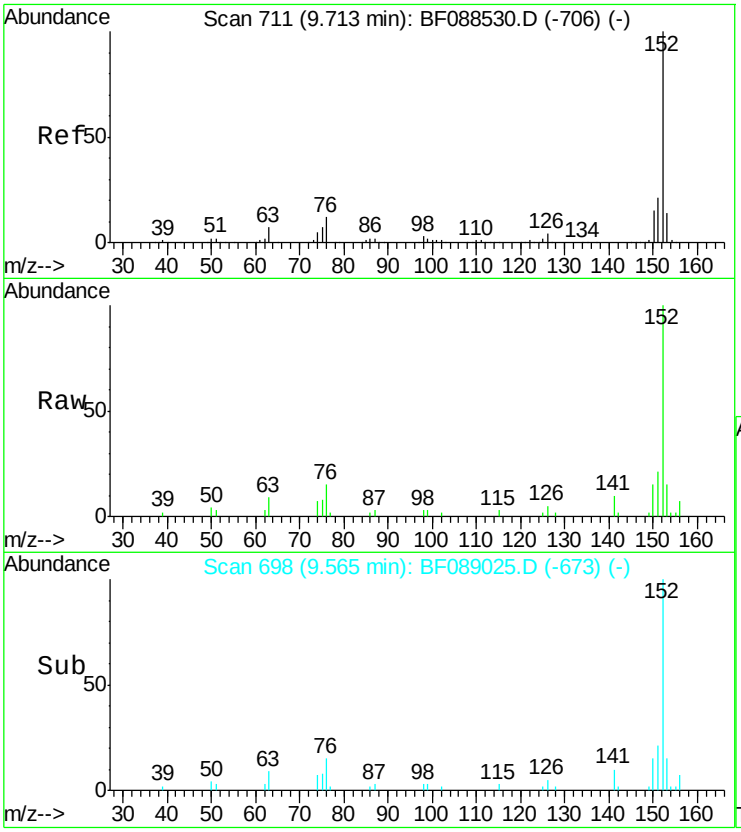


#44
2-Fluorobiphenyl
Concen: 27.31 ng
RT: 9.04 min Scan# 652
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:172 Resp: 153483

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.3	19.2	28.8



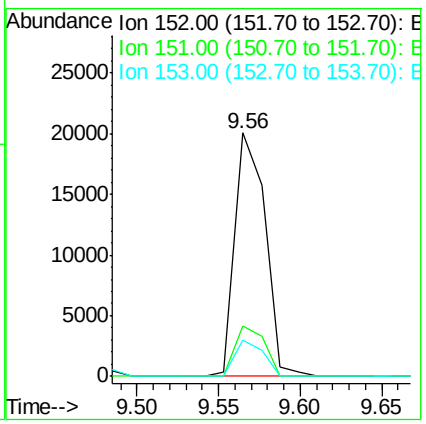


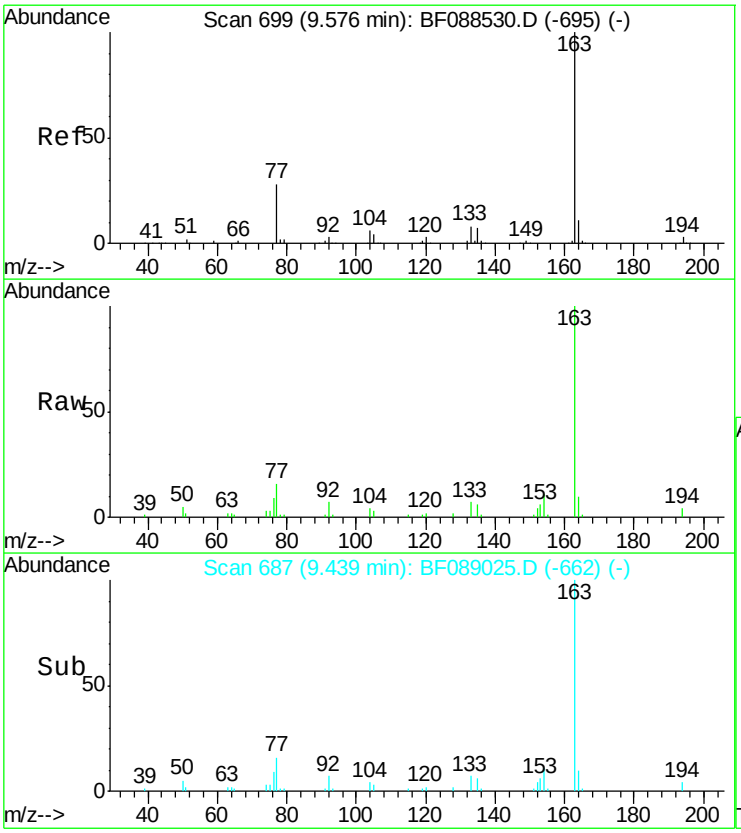
#48
Acenaphthylene
Concen: 2.78 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:152 Resp: 25561

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4
153	14.8	11.0	16.6

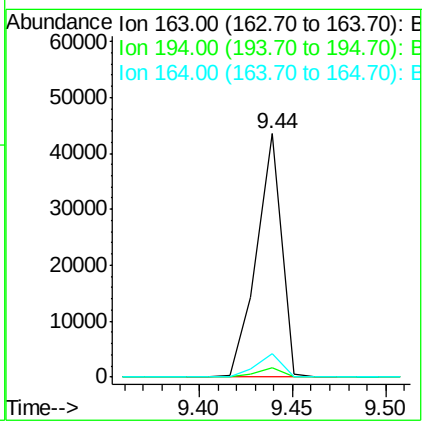


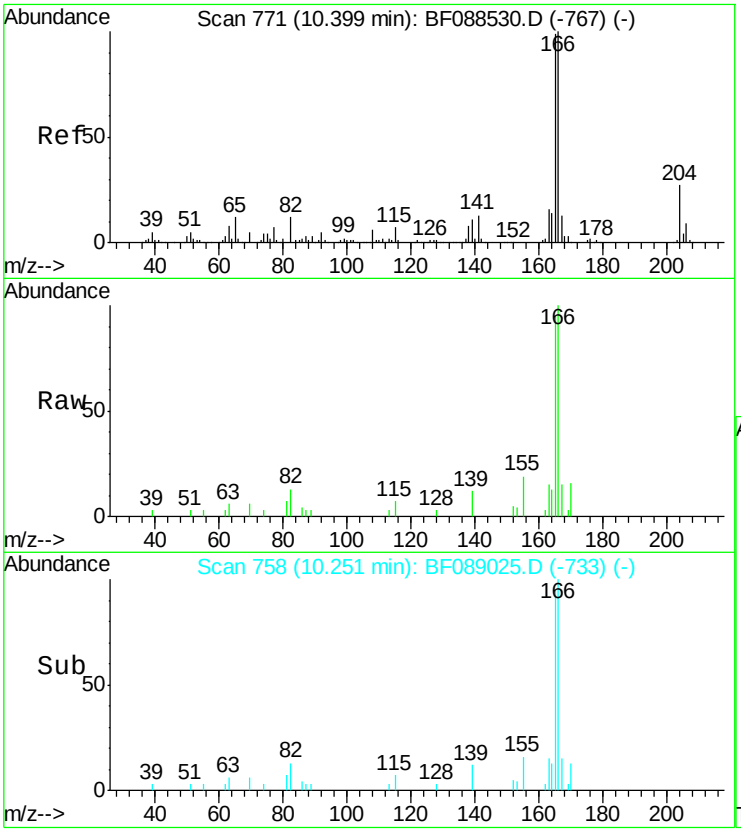


#49
Dimethylphthalate
Concen: 6.36 ng
RT: 9.44 min Scan# 687
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:163 Resp: 40210

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.8	8.3	12.5



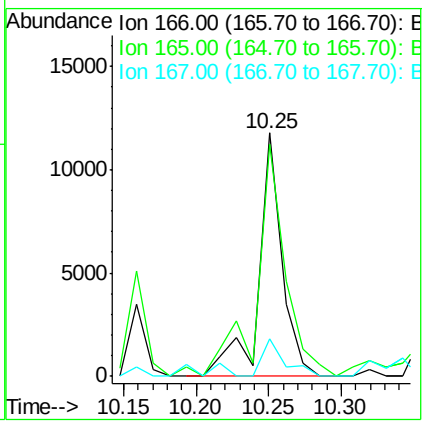


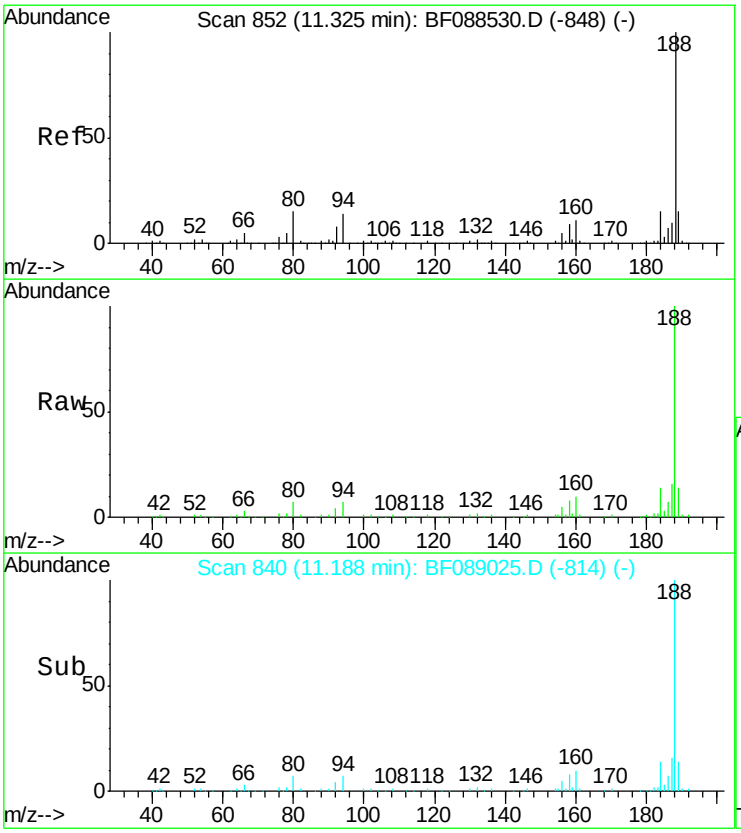
#57
Fluorene
Concen: 2.32 ng
RT: 10.25 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:166 Resp: 13193

Ion	Ratio	Lower	Upper
166	100		
165	95.3	77.8	116.8
167	15.2	11.2	16.8

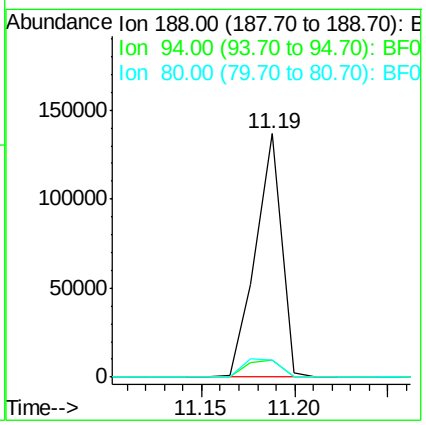


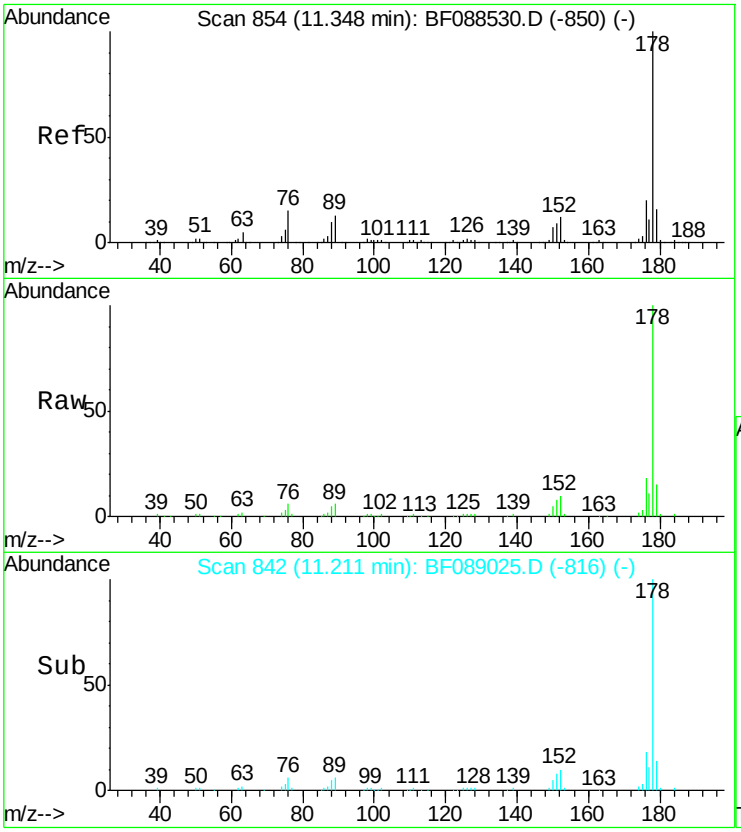


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.19 min Scan# 840
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:188 Resp: 131508

Ion	Ratio	Lower	Upper
188	100		
94	6.8	9.0	13.6#
80	7.2	10.0	15.0#



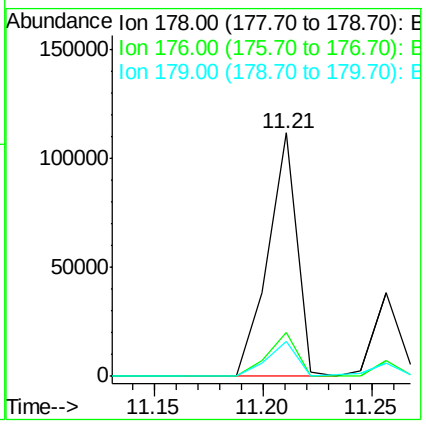


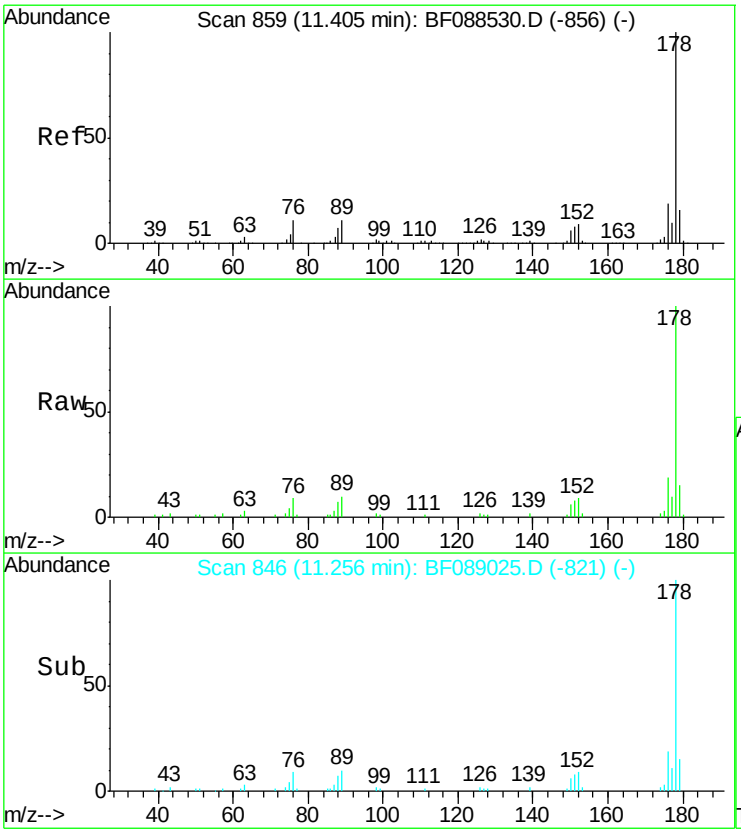
#70
Phenanthrene
Concen: 14.58 ng
RT: 11.21 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:178 Resp: 104784

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.6
179	14.6	13.0	19.4

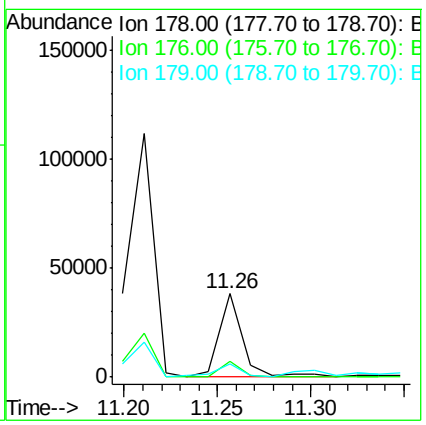


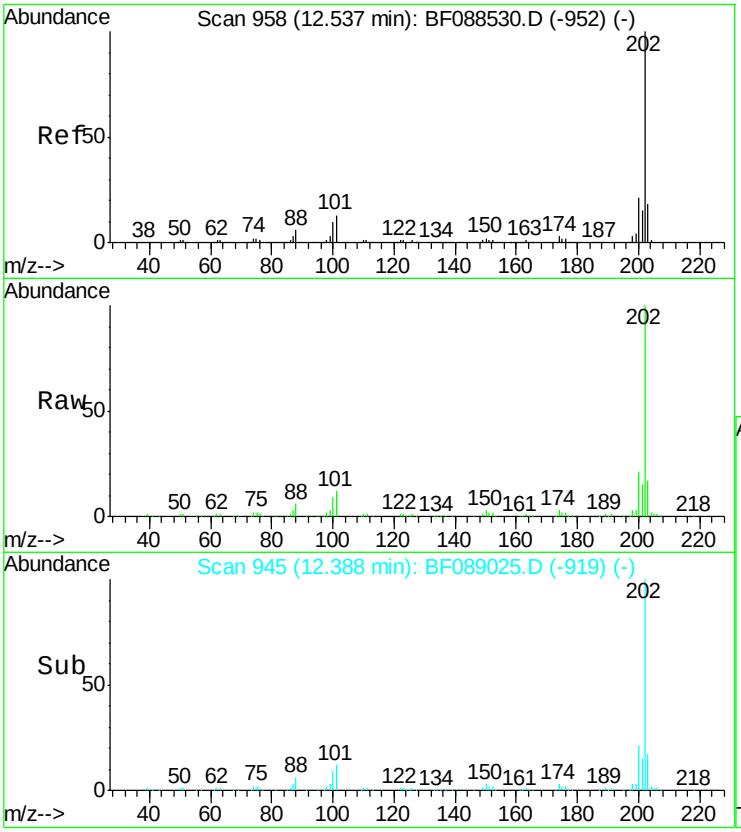


#71
Anthracene
Concen: 4.55 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:178 Resp: 32506

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.4	12.8	19.2



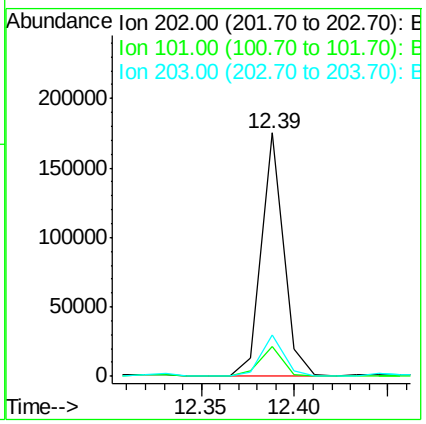


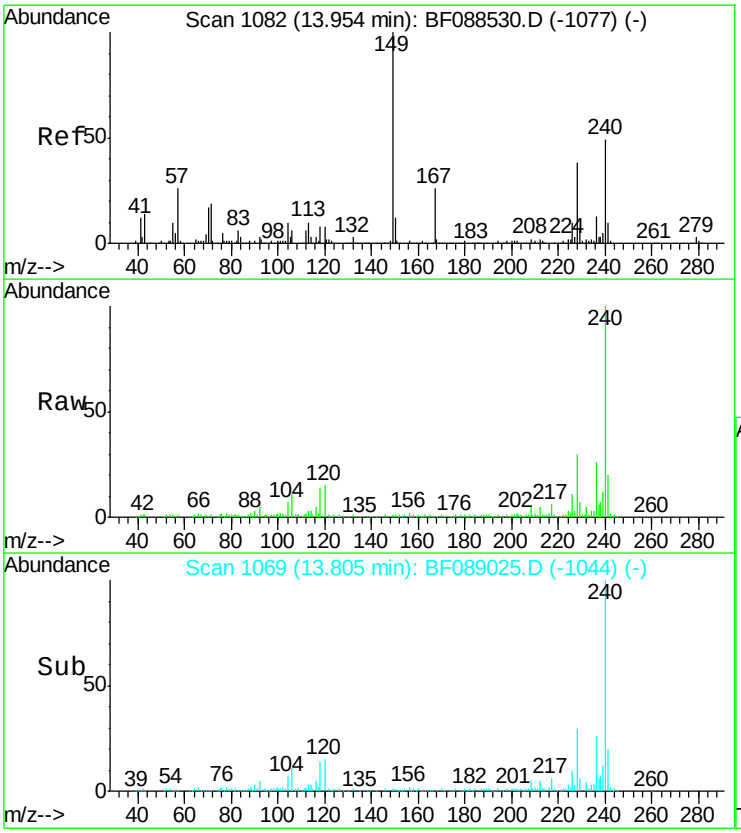
#74
Fluoranthene
Concen: 19.49 ng
RT: 12.39 min Scan# 945
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:202 Resp: 142054

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	33.1
203	17.2	0.0	38.1

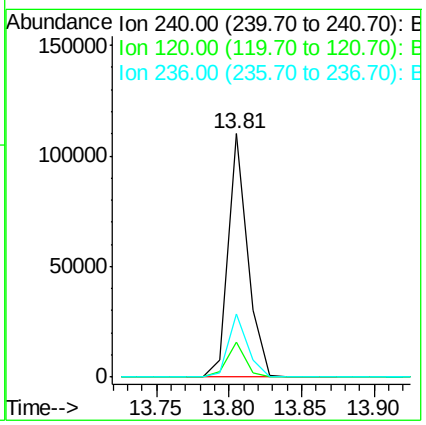


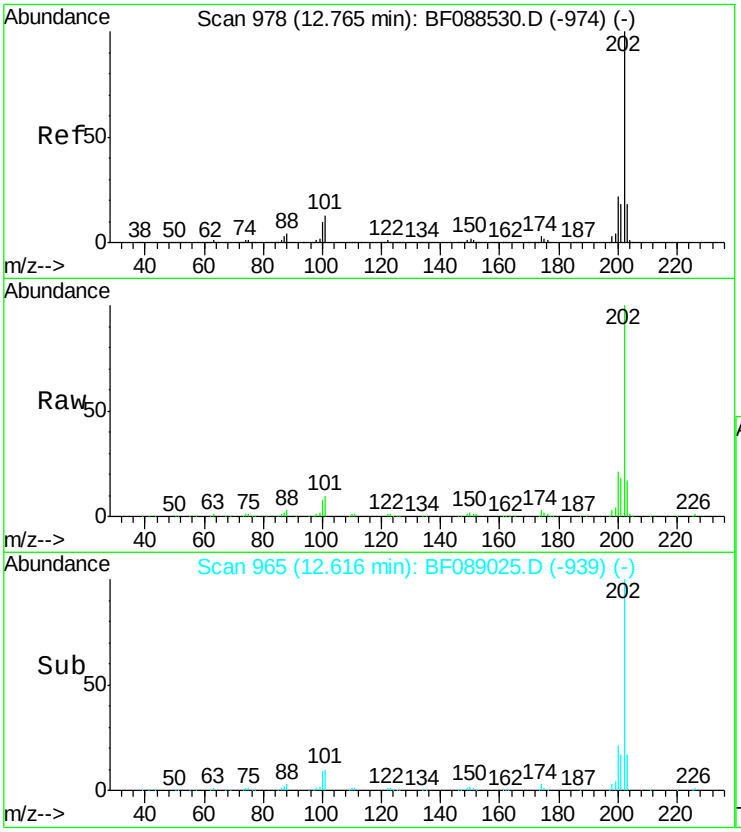


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.81 min Scan# 1069
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:240 Resp: 102698

Ion	Ratio	Lower	Upper
240	100		
120	14.6	6.8	10.2#
236	25.8	20.2	30.2



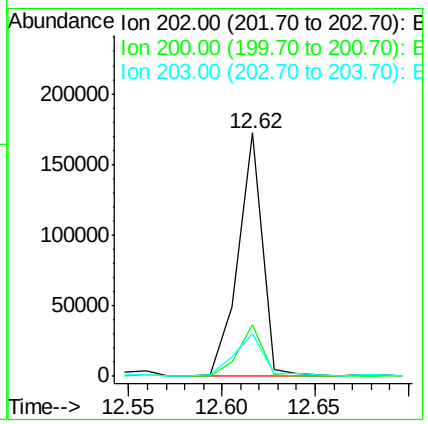


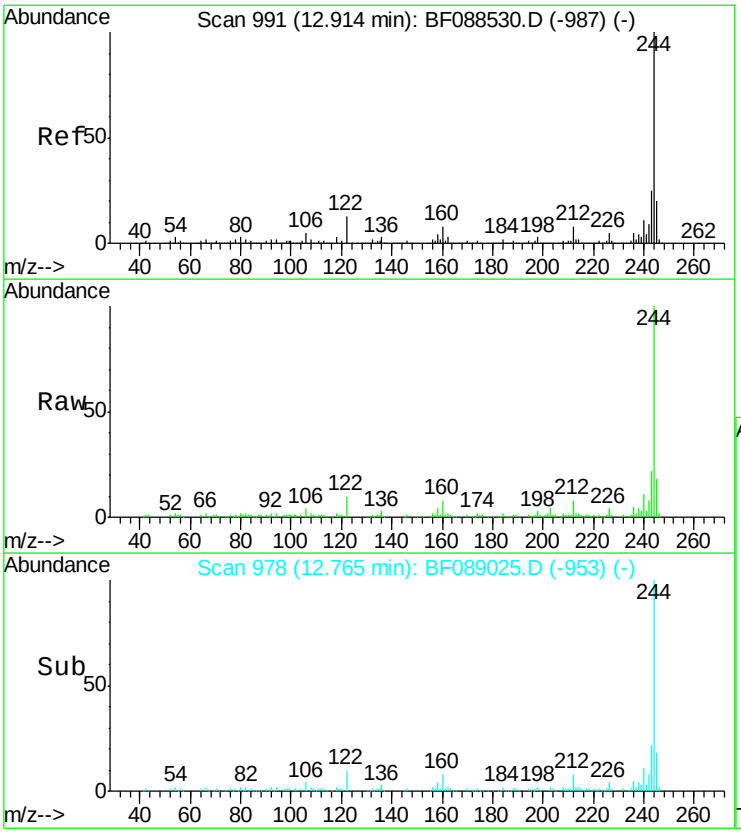
#77
Pyrene
Concen: 18.06 ng
RT: 12.62 min Scan# 965
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:202 Resp: 157264

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.4	14.5	21.7

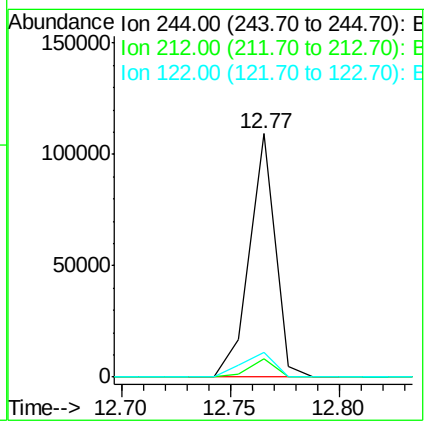


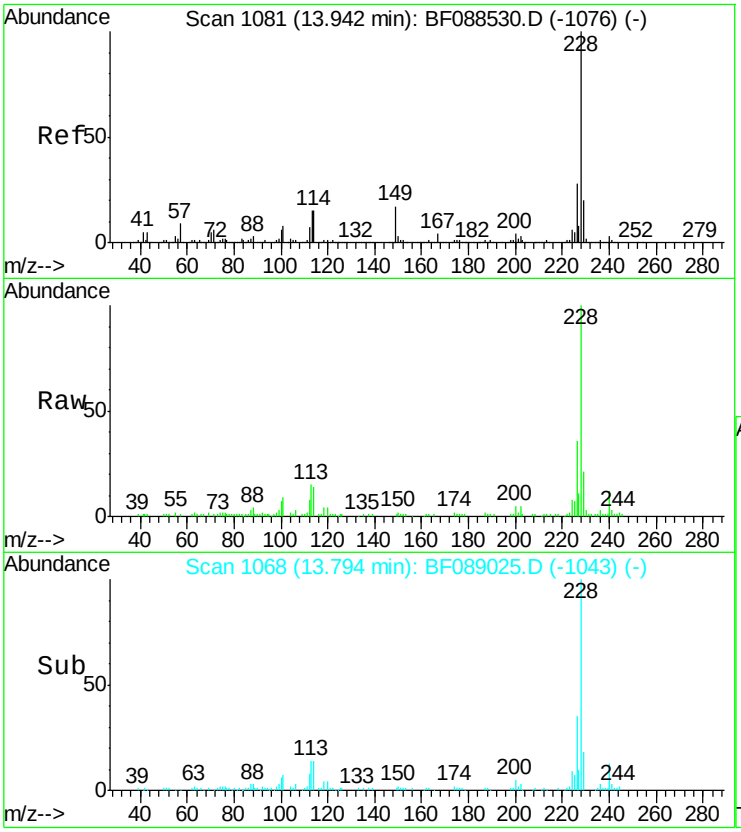


#78
Terphenyl-d14
Concen: 19.49 ng
RT: 12.77 min Scan# 978
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:244 Resp: 89857

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	10.2	11.2	16.8#



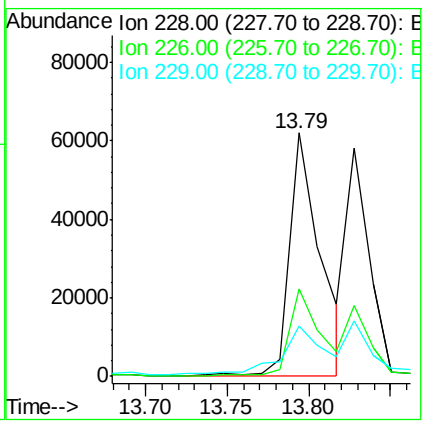


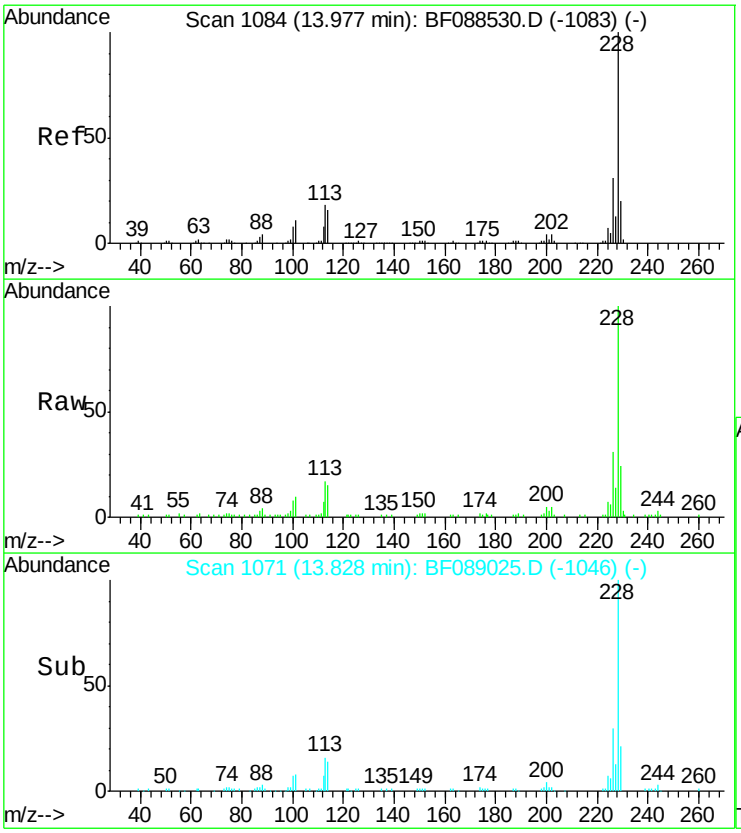
#80
Benzo(a)anthracene
Concen: 12.44 ng
RT: 13.79 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:228 Resp: 82253

Ion	Ratio	Lower	Upper
228	100		
226	35.9	22.3	33.5#
229	20.6	16.0	24.0

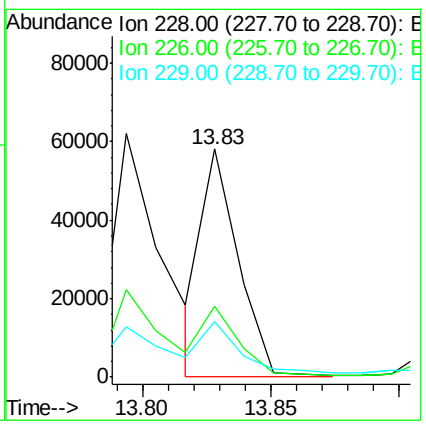


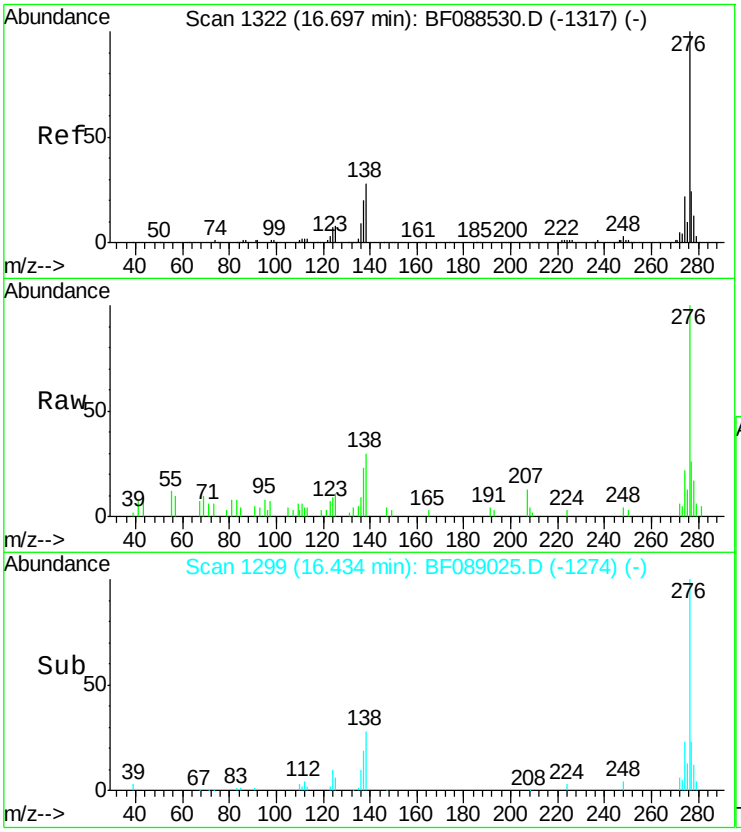


#82
Chrysene
Concen: 8.85 ng m
RT: 13.83 min Scan# 1071
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:228 Resp: 57871

Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.4	38.2
229	24.5	16.3	24.5#



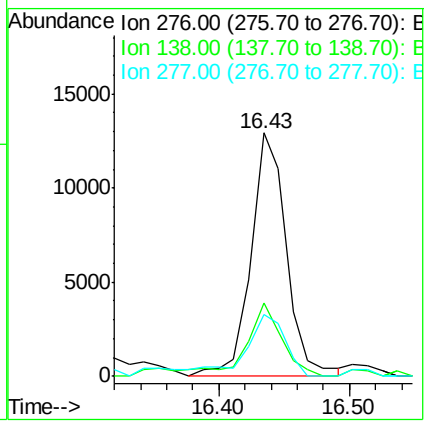


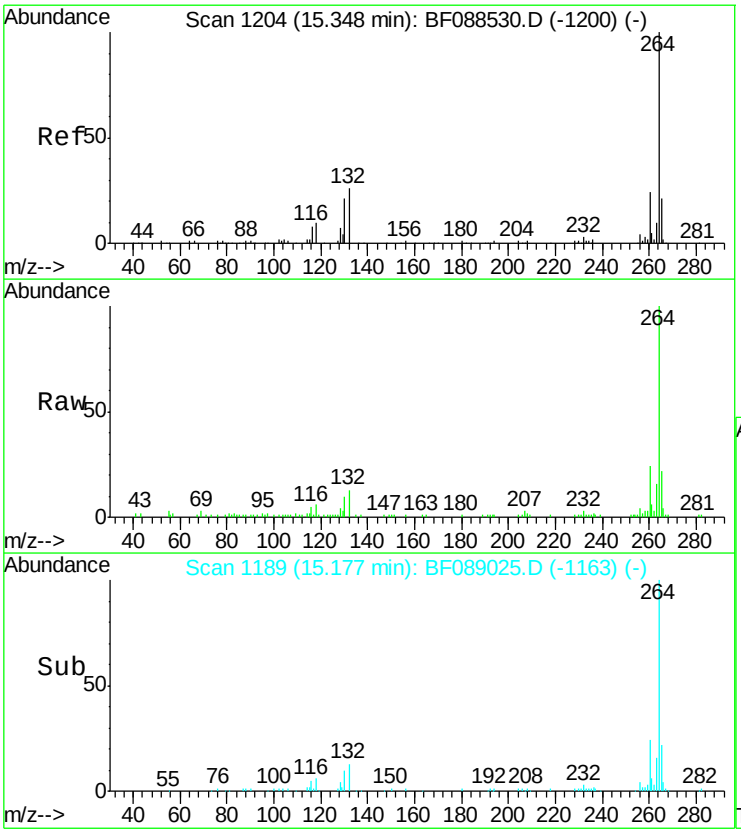
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.90 ng
RT: 16.43 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:276 Resp: 24662

Ion	Ratio	Lower	Upper
276	100		
138	29.7	0.0	0.0#
277	28.0	0.0	0.0#

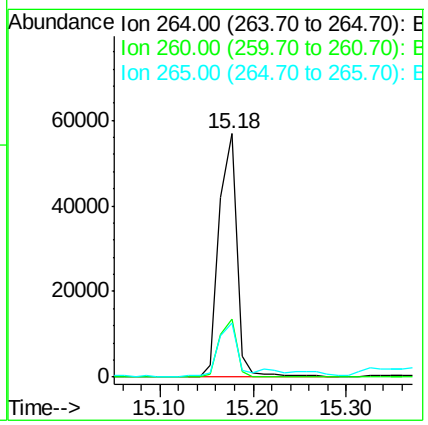


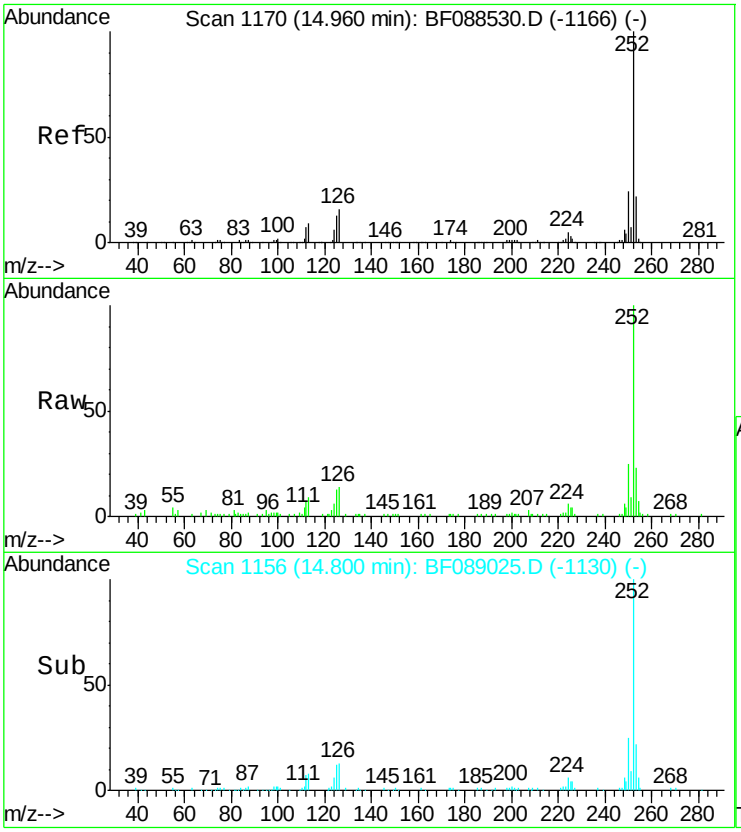


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1189
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:264 Resp: 75413

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.1	16.9	25.3



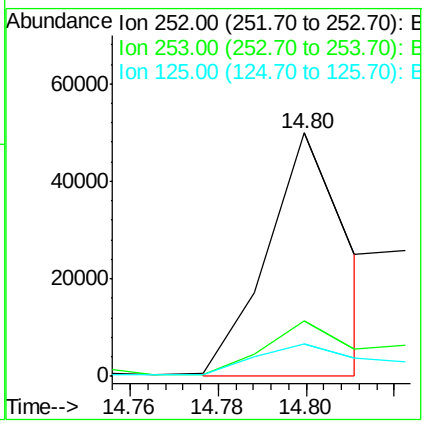


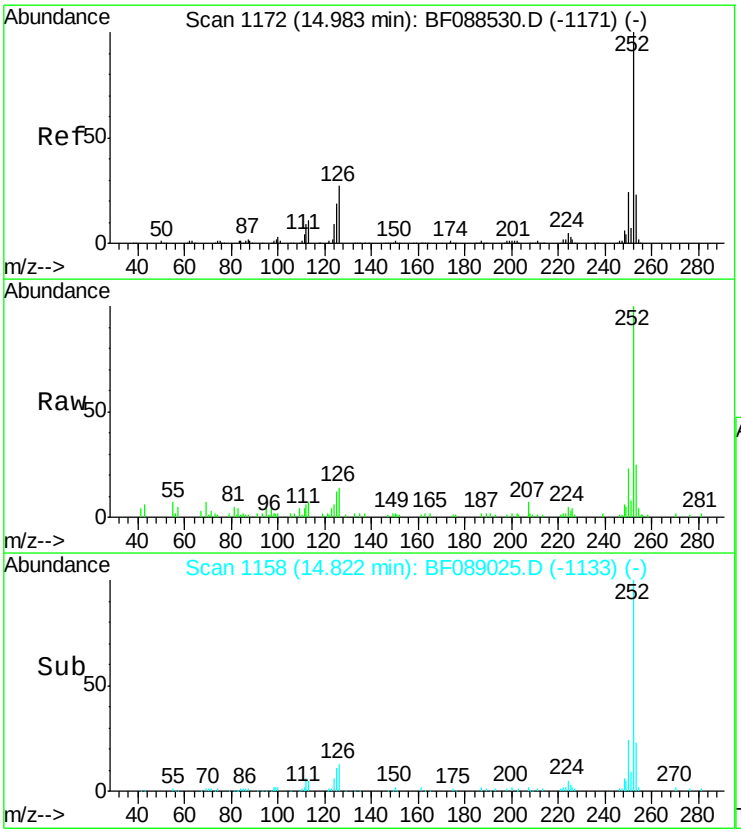
#87
Benzo(b)fluoranthene
Concen: 13.36 ng m
RT: 14.80 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:252 Resp: 63216

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	13.3	7.1	10.7#

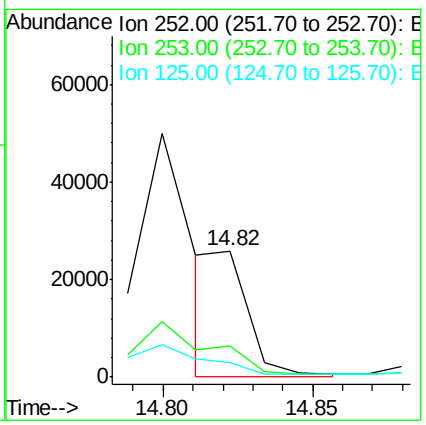


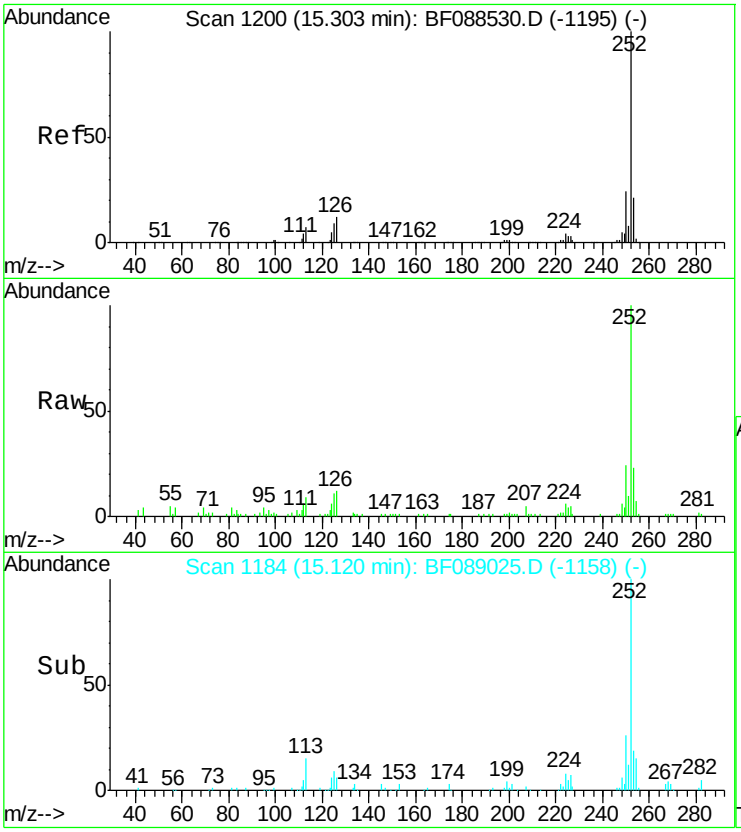


#88
Benzo(k)fluoranthene
Concen: 5.05 ng m
RT: 14.82 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:252 Resp: 20791

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	12.0	11.2	16.8



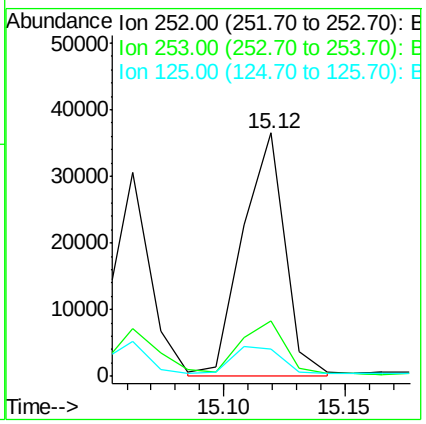


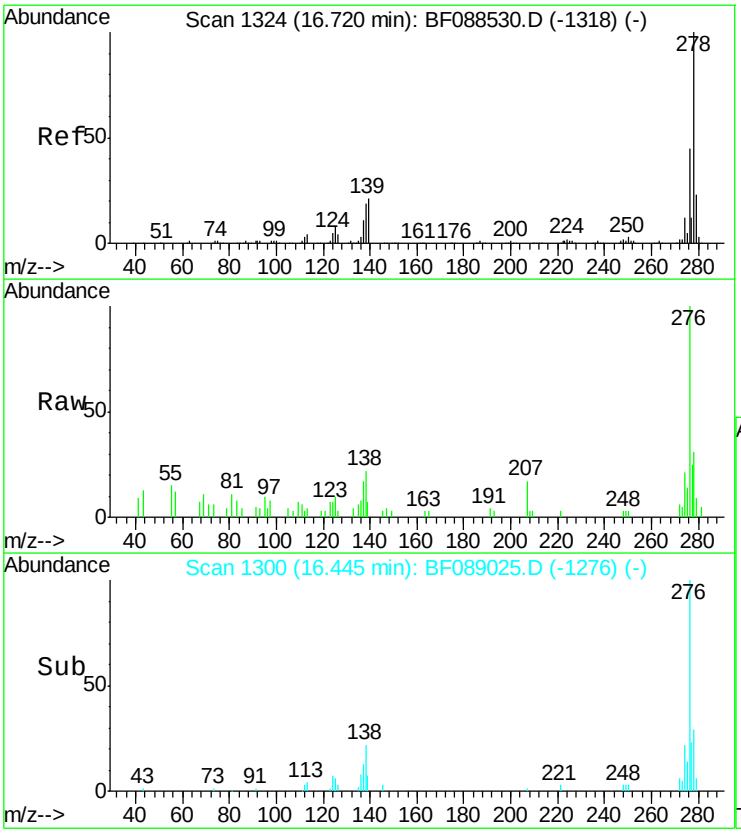
#89
Benzo(a)pyrene
Concen: 11.13 ng m
RT: 15.12 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:252 Resp: 44597

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.1	12.5	18.7#

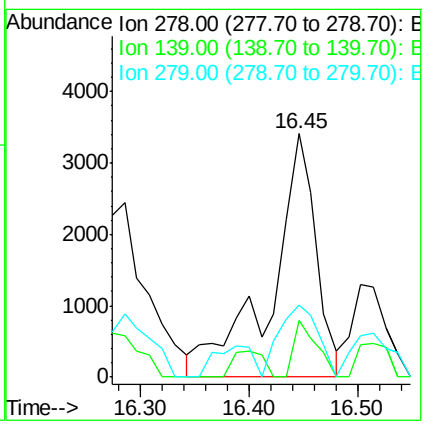


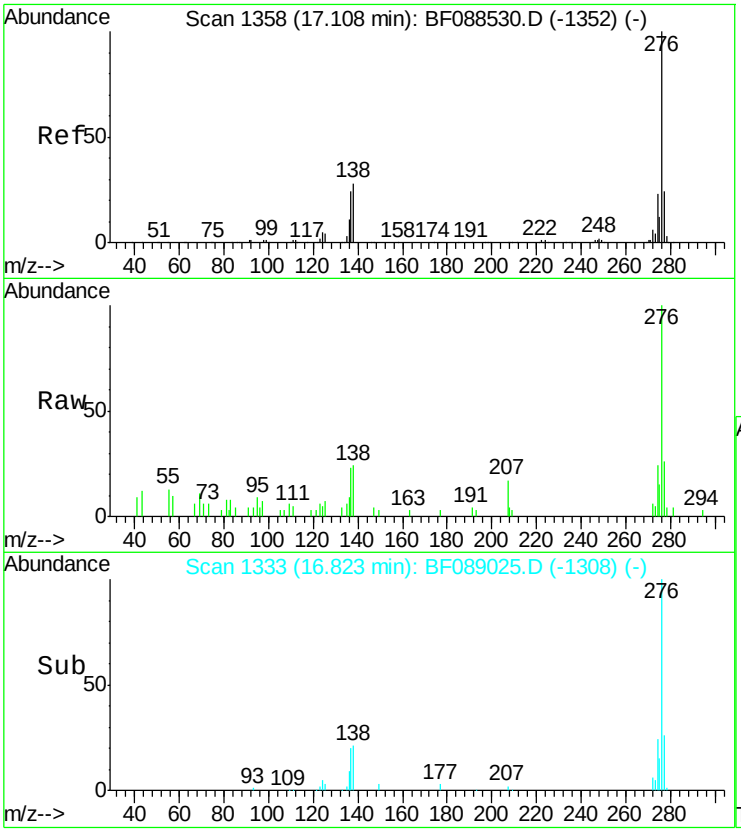


#90
Dibenzo(a,h)anthracene
Concen: 2.92 ng
RT: 16.45 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Tgt Ion:278 Resp: 9767

Ion	Ratio	Lower	Upper
278	100		
139	23.3	15.7	23.5
279	29.8	19.4	29.2#





#91
Benzo(g,h,i)perylene
Concen: 6.98 ng
RT: 16.82 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF089025.D
Acq: 15 Jul 2016 19:28

Instrument :
BNA_F
ClientSampleId :
LSS-SB-SB03(0-2ft)

Tgt Ion:276 Resp: 24143

Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.9	28.3
138	23.5	21.4	32.2