Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080816\
Data File : BF089686.D
Acq On : 9 Aug 2016 7:03
Operator : UM/SJ
Sample : H4288-02DL 25X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-64-0.5-1.5DL

Quant Time: Aug 09 07:46:28 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF080416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 01:39:23 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	38410	20.00	ng		-0.03
21) Naphthalene-d8	9.45	136	176110	20.00	ng		-0.02
38) Acenaphthene-d10	12.27	164	84682	20.00	ng		-0.02
63) Phenanthrene-d10	14.66	188	149084	20.00	ng		-0.03
75) Chrysene-d12	18.37	240	94628	20.00	ng		-0.02
86) Perylene-d12	20.02	264	91198	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	6085	2.66	ng		0.05
7) Phenol-d6	7.02	99	11430	3.68	ng		0.03
23) Nitrobenzene-d5	8.36	82	7038	2.21	ng		0.00
41) 2,4,6-Tribromophenol	13.57	330	2166	3.10	ng		-0.02
44) 2-Fluorobiphenyl	11.22	172	21297	3.27	ng		-0.03
78) Terphenyl-d14	17.03	244	15285	3.19	ng		-0.02
Target Compounds							Qvalue
50) 2,6-Dinitrotoluene	12.26	165	9858	7.47	ng	#	24
51) Acenaphthene	12.32	154	25112	4.61	ng		99
54) Dibenzofuran	12.62	168	37362	4.99	ng		96
55) 4-Nitrophenol	12.62	139	14077	18.26	ng	#	21
57) Fluorene	13.15	166	47023	7.35	ng		97
70) Phenanthrene	14.70	178	350494	43.24	ng		98
71) Anthracene	14.79	178	151001	17.37	ng		99
72) Carbazole	15.10	167	22058	3.05	ng		99
74) Fluoranthene	16.47	202	297210	35.67	ng		100
77) Pyrene	16.77	202	236237	28.24	ng	#	93
80) Benzo(a)anthracene	18.35	228	93712	17.24	ng		99
82) Chrysene	18.40	228	70453	12.35	ng		97
85) Indeno(1,2,3-cd)pyrene	21.20	276	34061	7.86	ng	#	91
87) Benzo(b)fluoranthene	19.62	252	118469	21.12	ng	#	95
88) Benzo(k)fluoranthene	19.62	252	118469	20.94	ng		98
89) Benzo(a)pyrene	19.74	252	16816	3.20	ng		95
91) Benzo(g,h,i)perylene	21.53	276	34050	6.78	ng		97

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

Quantitation Report (Not Reviewed)

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Acq On : 9 Aug 2016 7:03
Operator : UM/SJ
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Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
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SB-64-0.5-1.5DL

Quant Time: Aug 09 07:46:28 2016
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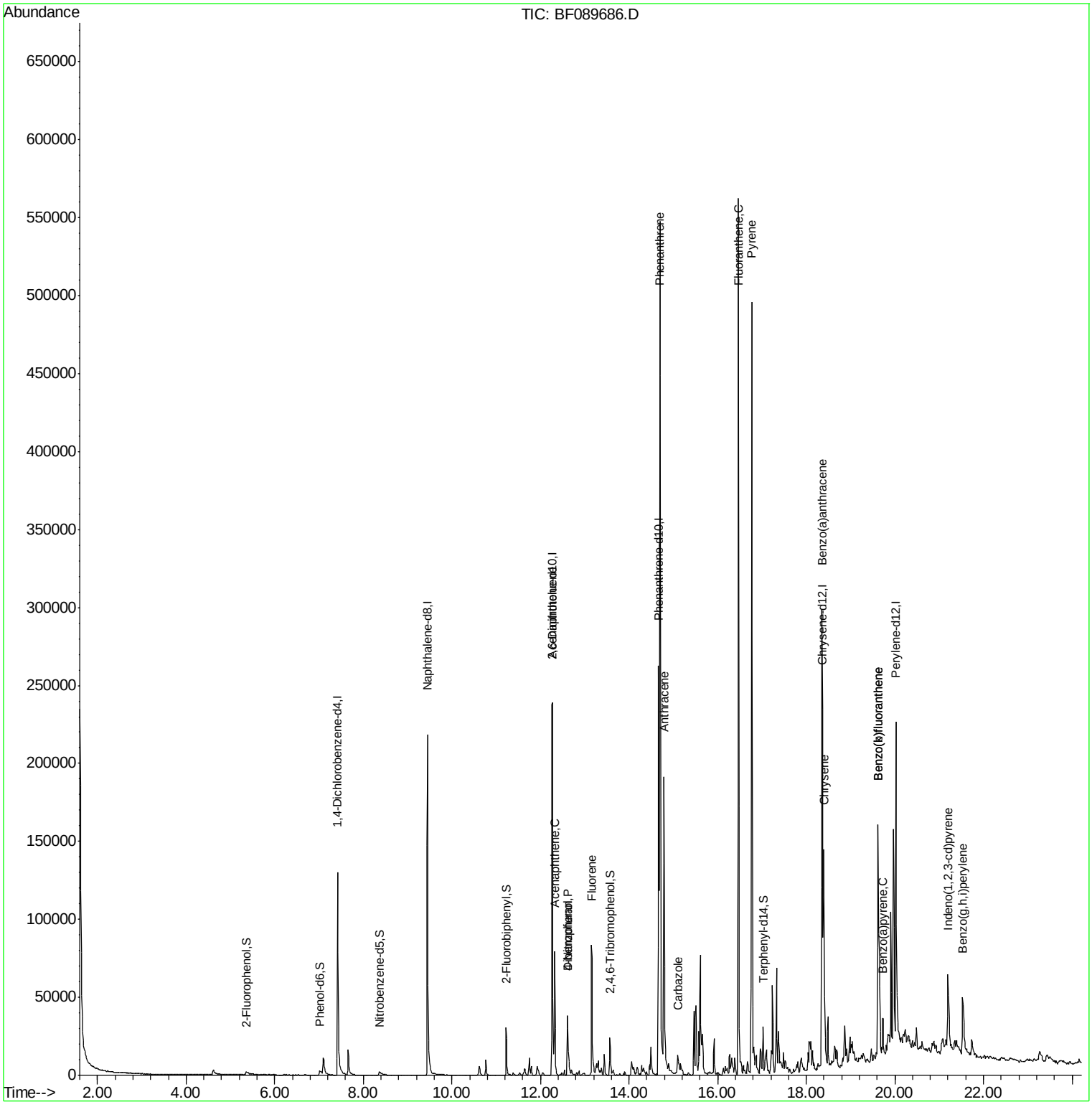
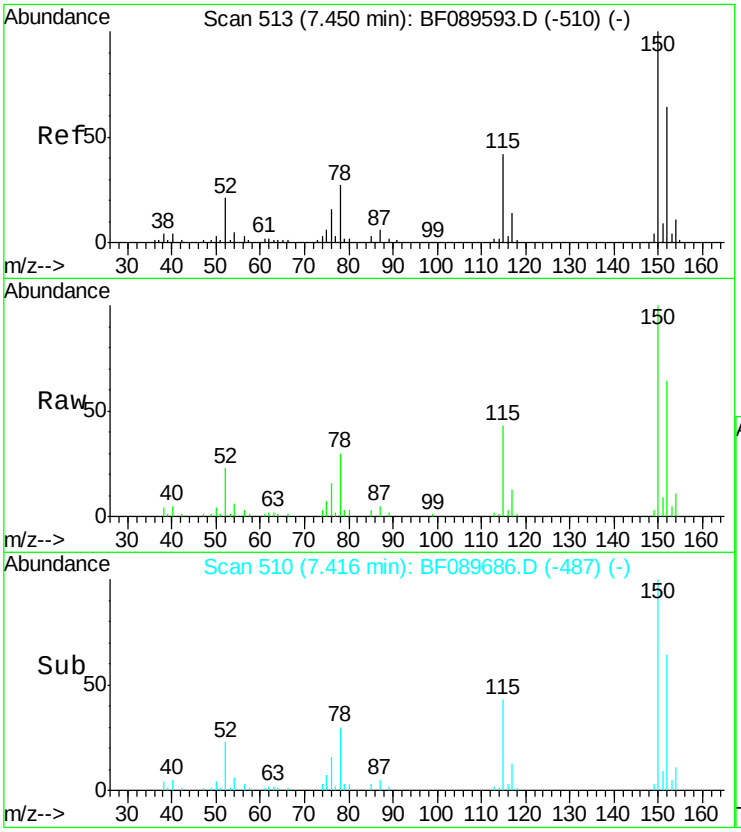
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 01:39:23 2016
Response via : Initial Calibration



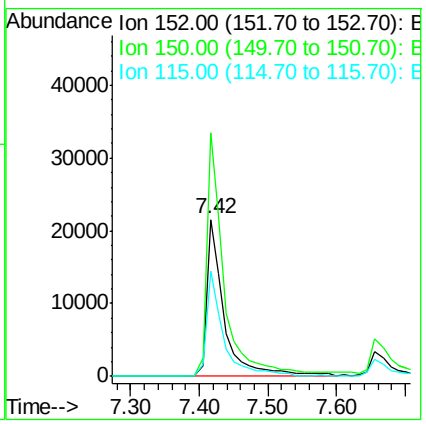


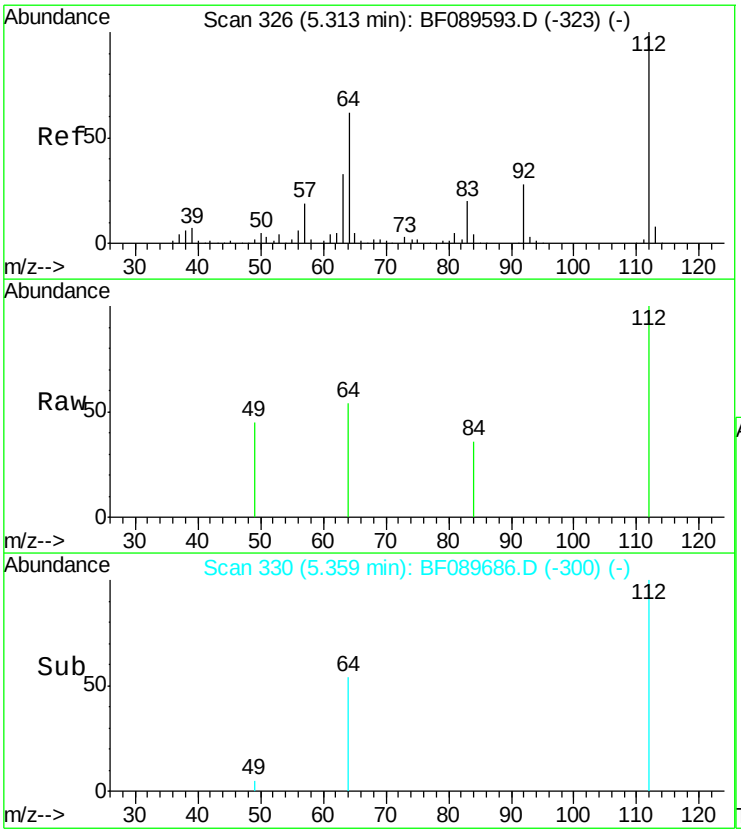
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.42 min Scan# 510
Delta R.T. -0.03 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:152 Resp: 38410

Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.5	188.3
115	67.4	52.0	78.0

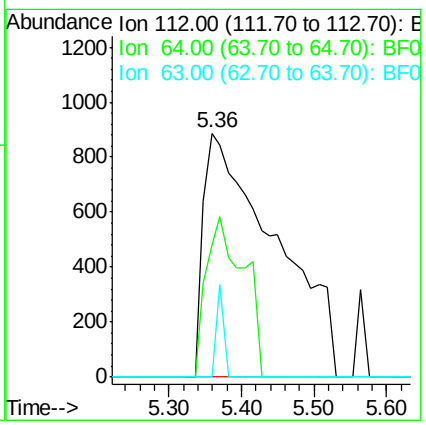


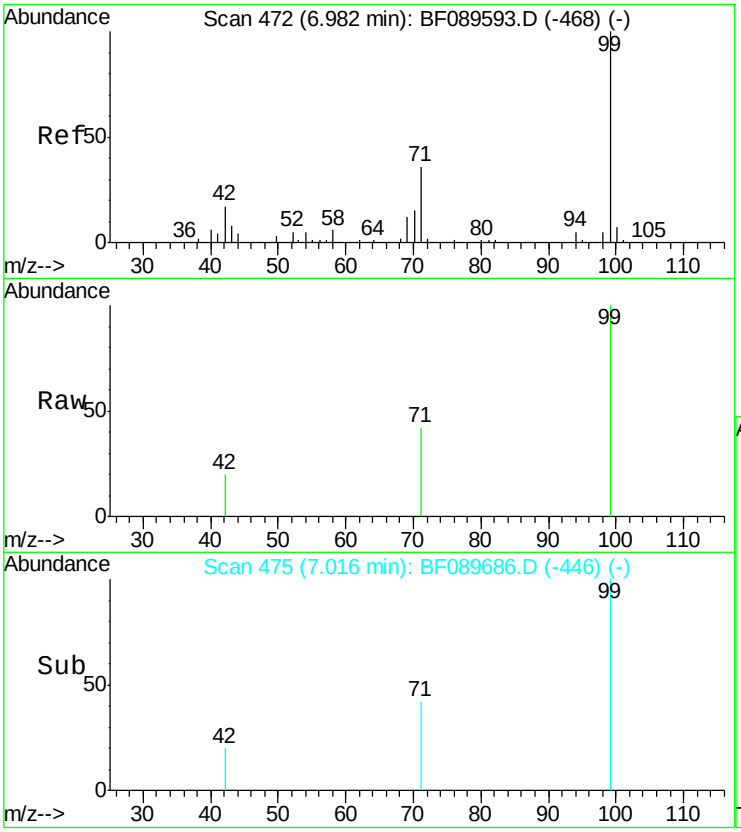


#5
2-Fluorophenol
Concen: 2.66 ng
RT: 5.36 min Scan# 330
Delta R.T. 0.05 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:112 Resp: 6085

Ion	Ratio	Lower	Upper
112	100		
64	54.4	49.9	74.9
63	0.0	26.1	39.1#



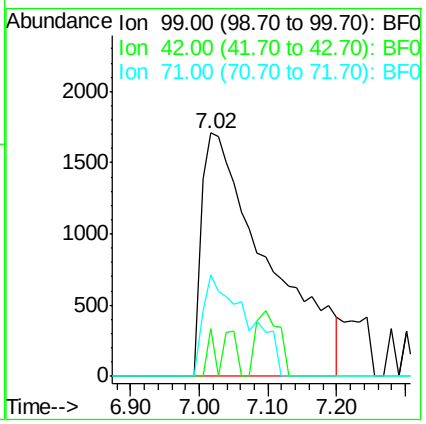


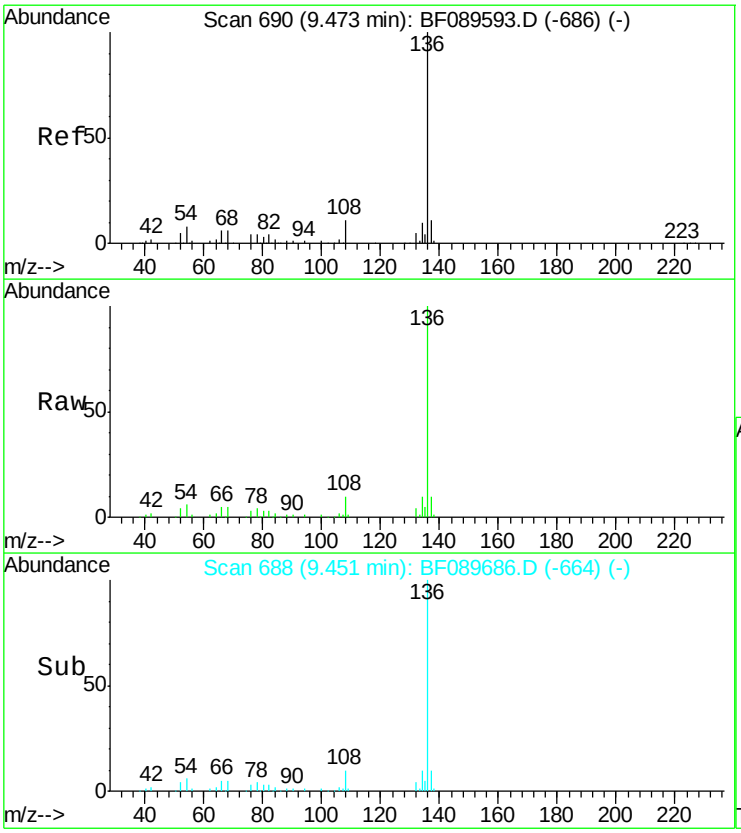
#7
Phenol-d6
Concen: 3.68 ng
RT: 7.02 min Scan# 475
Delta R.T. 0.03 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion: 99 Resp: 11430

Ion	Ratio	Lower	Upper
99	100		
42	19.8	13.7	20.5
71	41.6	29.0	43.4

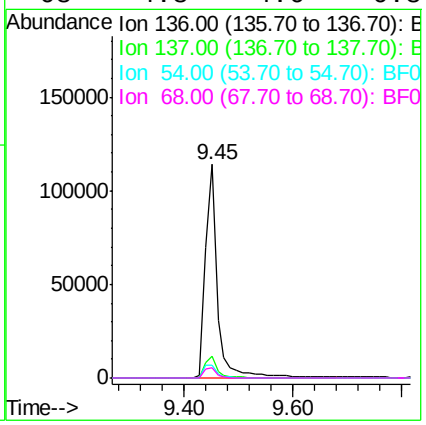


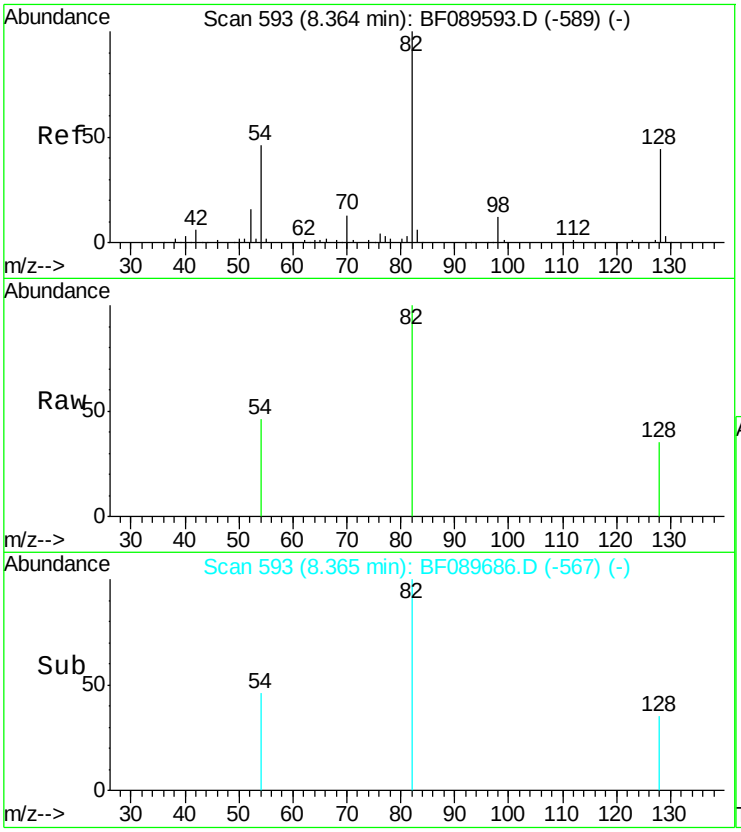


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.45 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:136 Resp: 176110

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.6	12.8
54	6.2	6.0	9.0
68	4.8	4.6	6.8



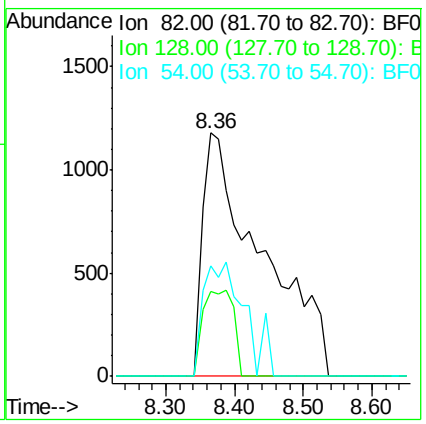


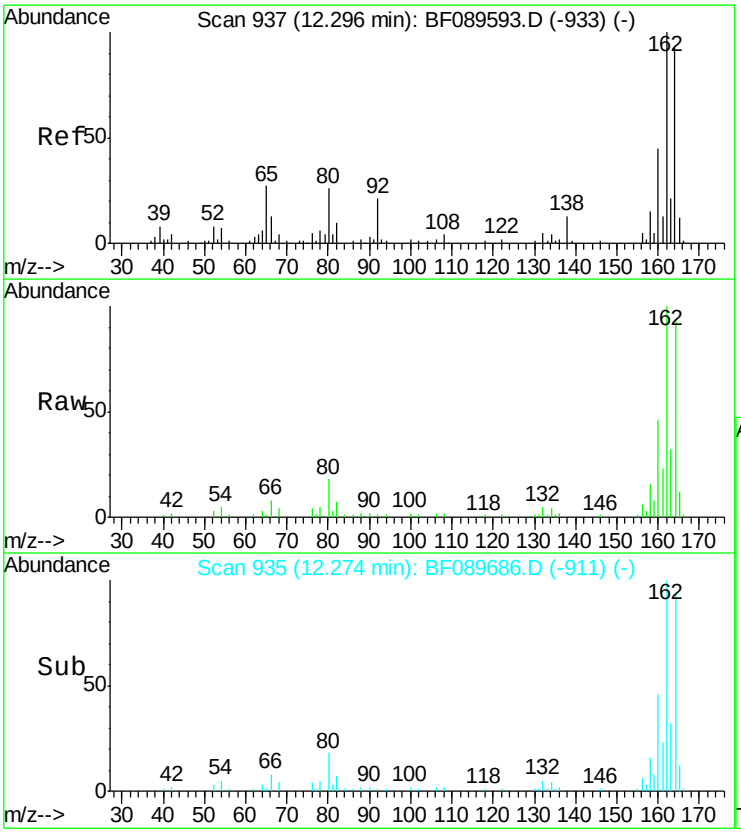
#23
Nitrobenzene-d5
Concen: 2.21 ng
RT: 8.36 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion: 82 Resp: 7038

Ion	Ratio	Lower	Upper
82	100		
128	34.8	35.4	53.0#
54	45.6	36.4	54.6

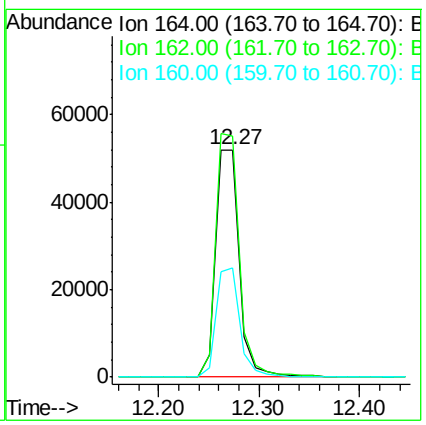


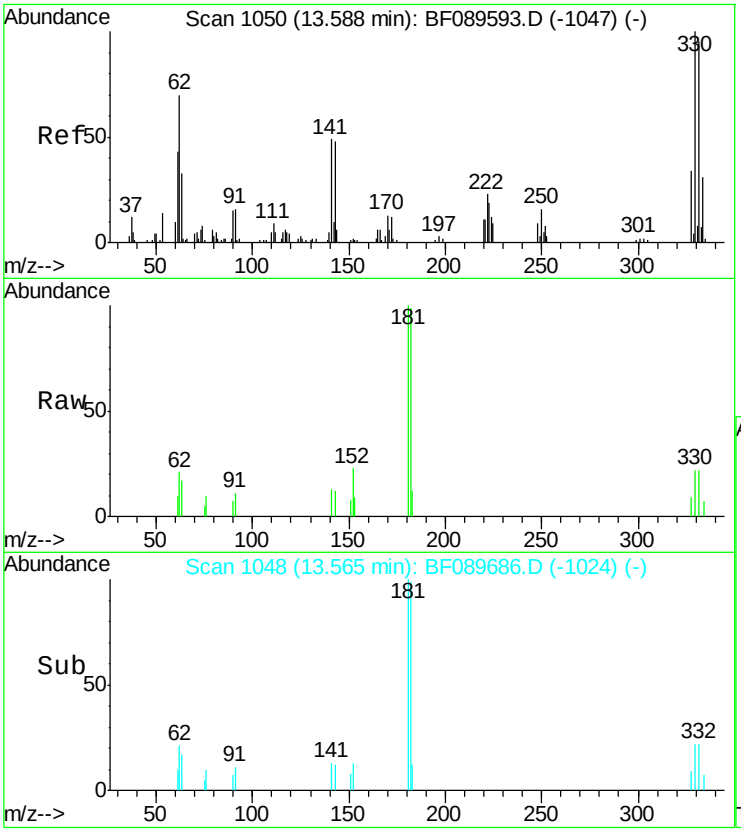


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.27 min Scan# 935
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:164 Resp: 84682

Ion	Ratio	Lower	Upper
164	100		
162	105.8	85.7	128.5
160	48.2	38.2	57.4



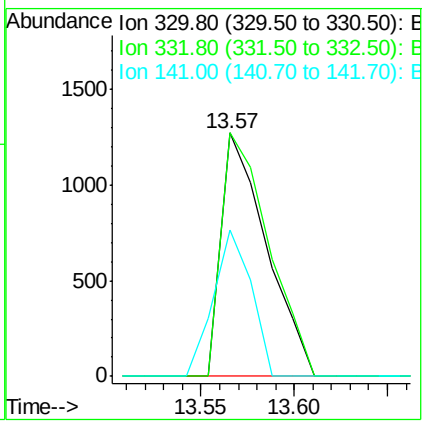


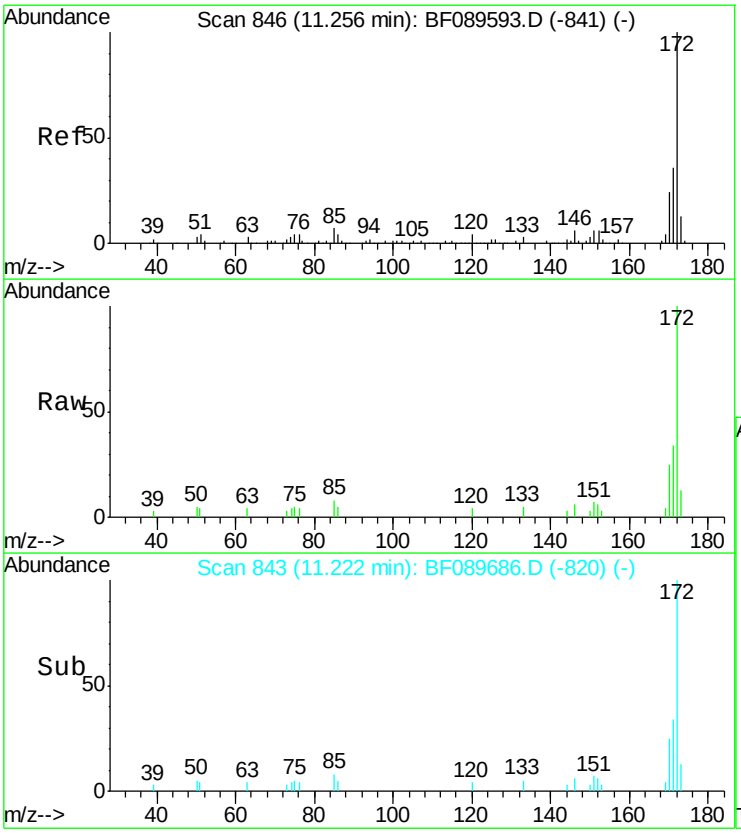
#41
2,4,6-Tribromophenol
Concen: 3.10 ng
RT: 13.57 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:330 Resp: 2166

Ion	Ratio	Lower	Upper
330	100		
332	104.4	77.0	115.6
141	49.8	38.6	57.8

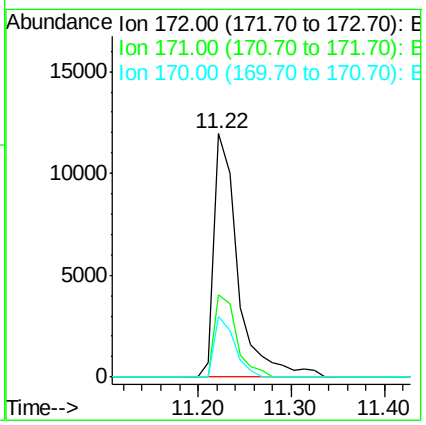


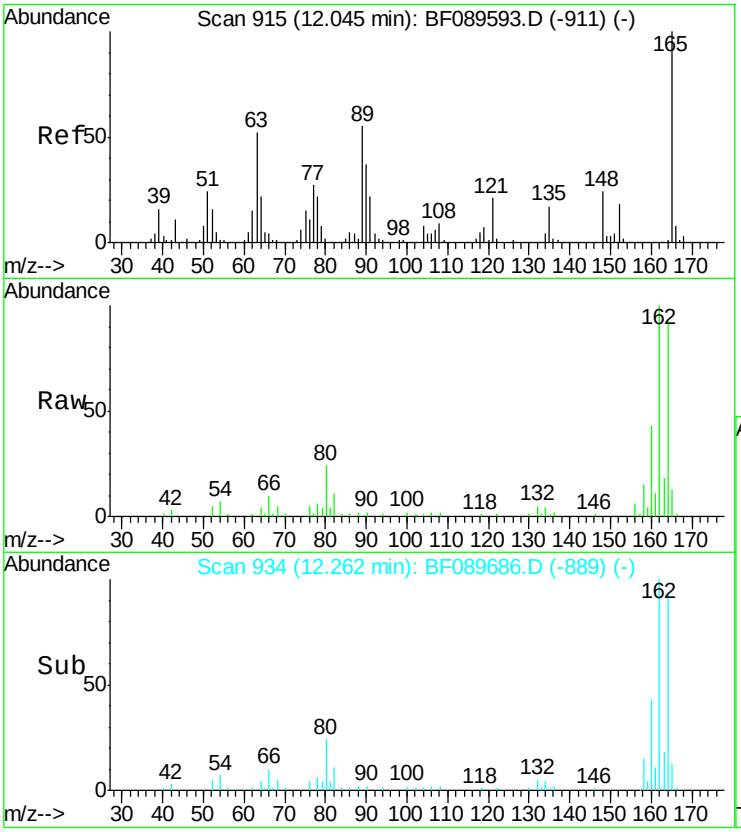


#44
2-Fluorobiphenyl
Concen: 3.27 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.03 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:172 Resp: 21297

Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.9	43.3
170	25.1	19.0	28.6



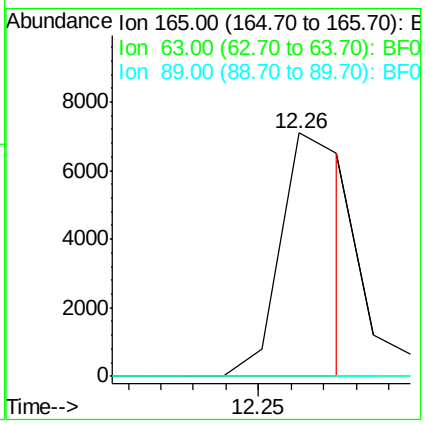


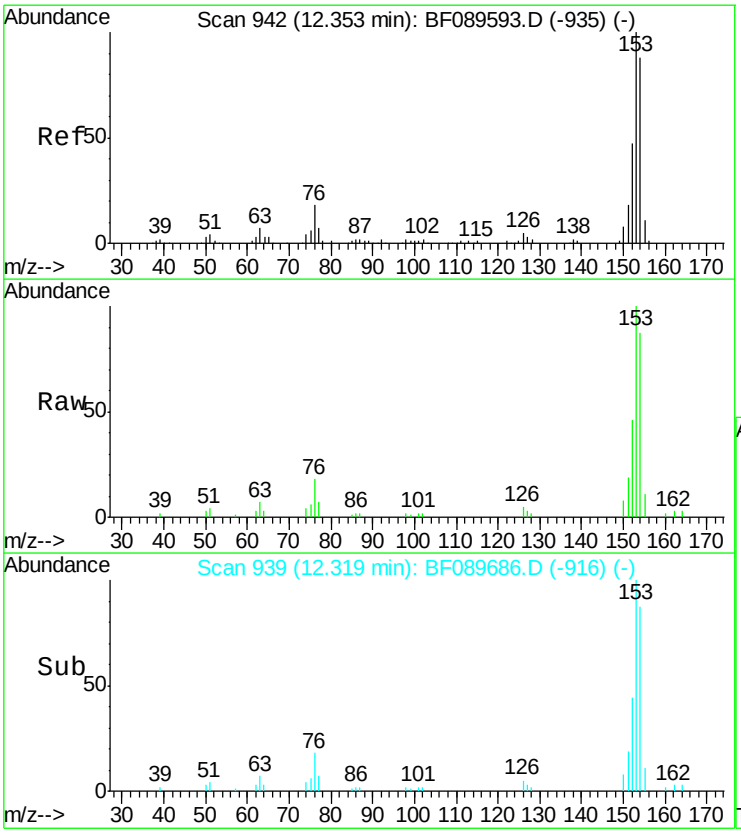
#50
2,6-Dinitrotoluene
Concen: 7.47 ng
RT: 12.26 min Scan# 934
Delta R.T. 0.22 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:165 Resp: 9858

Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.6	67.0#
89	0.0	44.2	66.2#

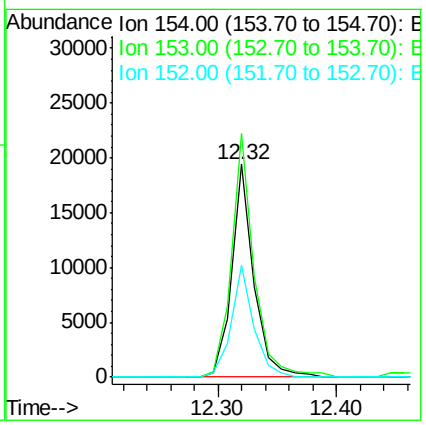


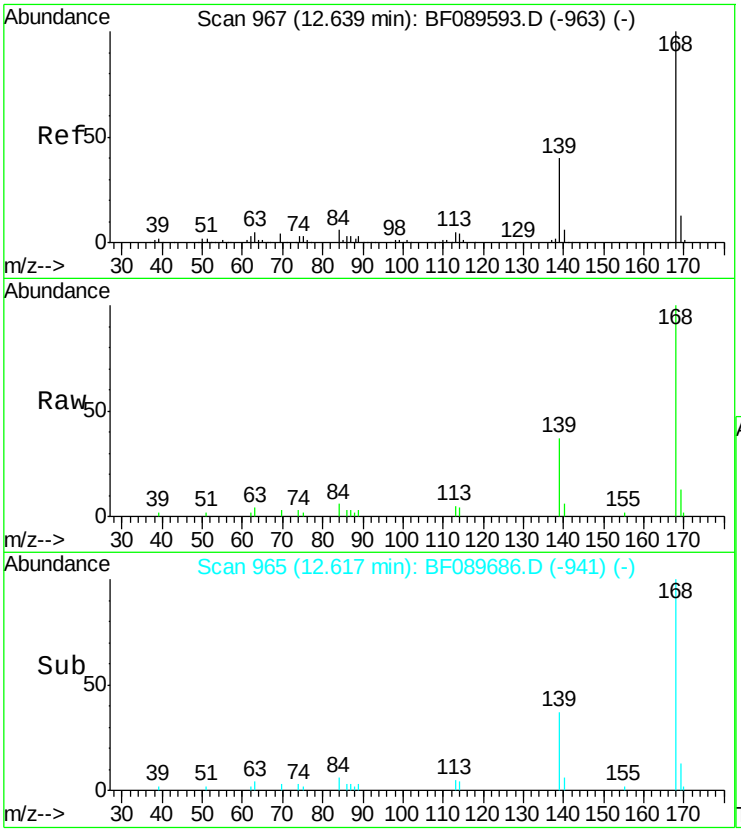


#51
Acenaphthene
Concen: 4.61 ng
RT: 12.32 min Scan# 939
Delta R.T. -0.03 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:154 Resp: 25112

Ion	Ratio	Lower	Upper
154	100		
153	114.7	91.1	136.7
152	52.6	43.5	65.3



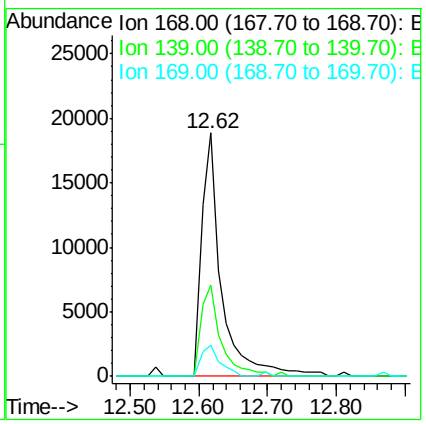


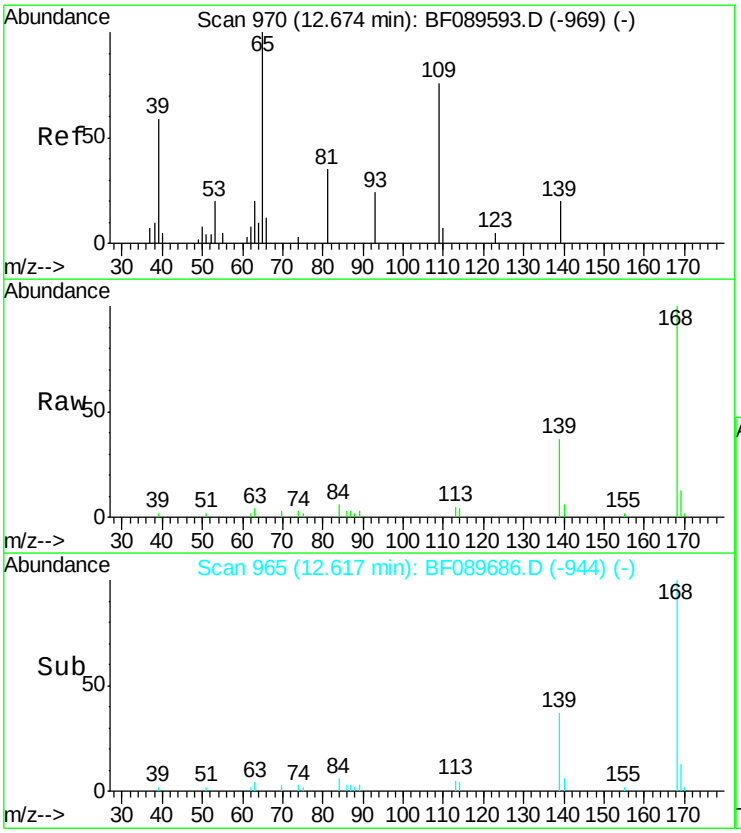
#54
Dibenzofuran
Concen: 4.99 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:168 Resp: 37362

Ion	Ratio	Lower	Upper
168	100		
139	37.3	32.3	48.5
169	12.9	10.6	15.8

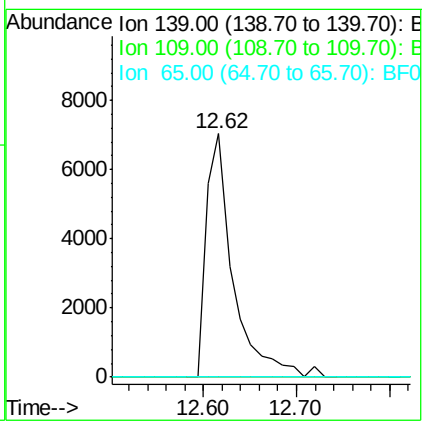


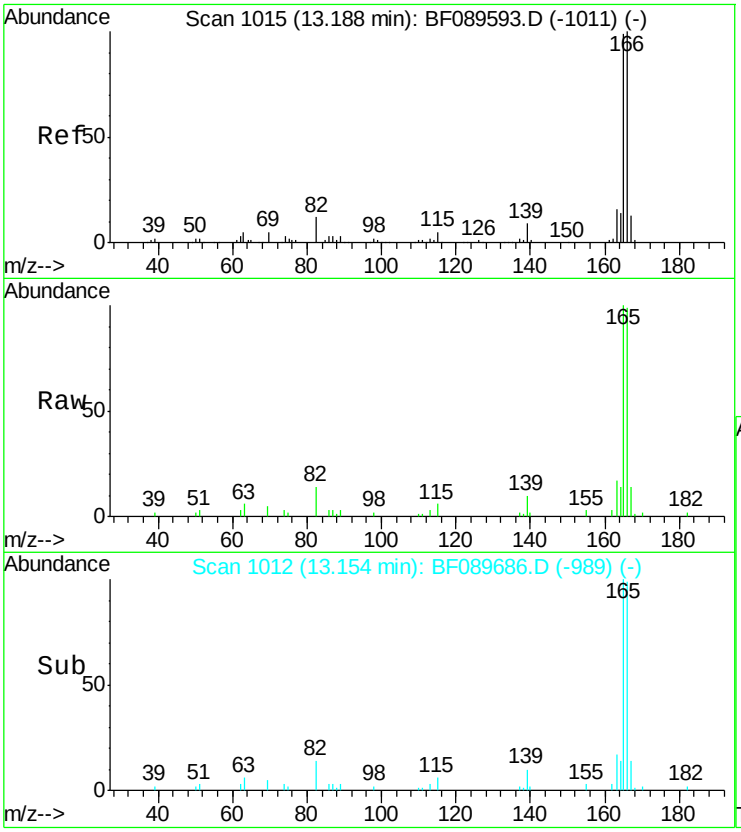


#55
4-Nitrophenol
Concen: 18.26 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.06 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:139 Resp: 14077

Ion	Ratio	Lower	Upper
139	100		
109	0.0	28.9	68.9#
65	0.0	49.2	89.2#



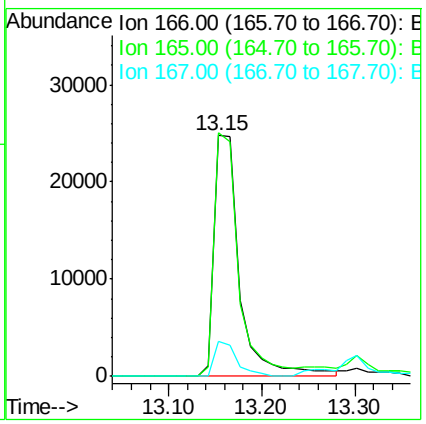


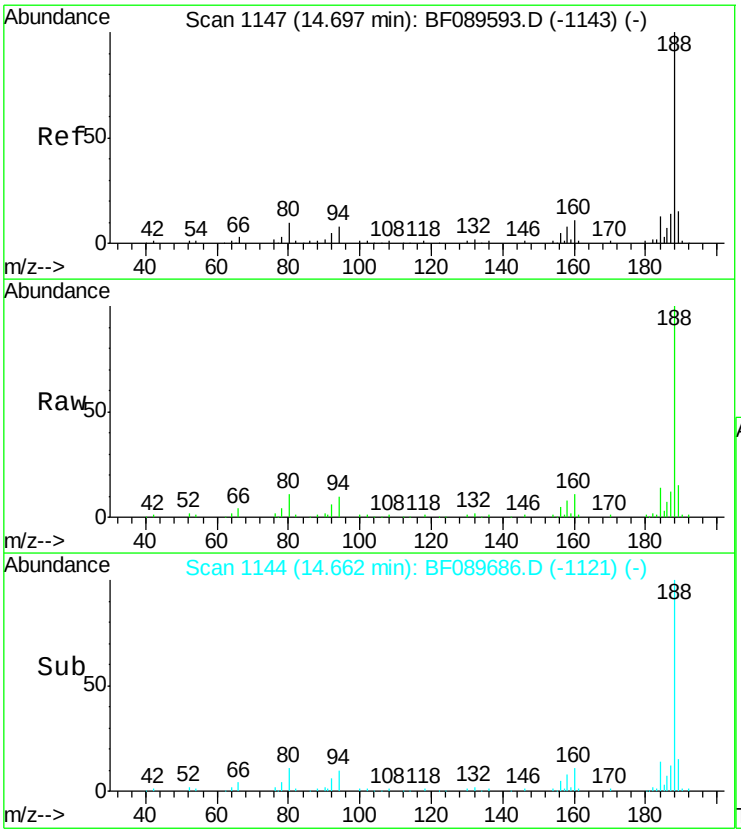
#57
Fluorene
Concen: 7.35 ng
RT: 13.15 min Scan# 1012
Delta R.T. -0.03 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:166 Resp: 47023

Ion	Ratio	Lower	Upper
166	100		
165	101.0	78.9	118.3
167	14.6	10.4	15.6

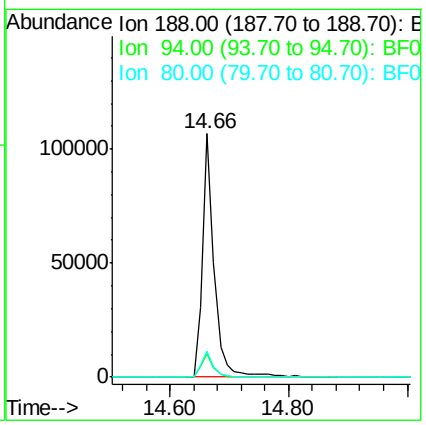


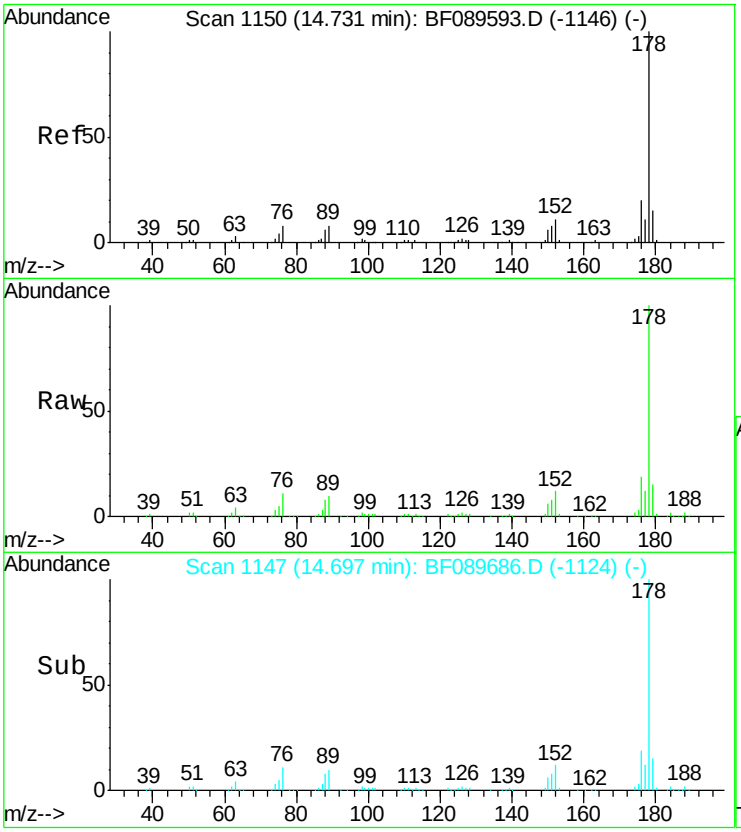


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.66 min Scan# 1144
Delta R.T. -0.03 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:188 Resp: 149084

Ion	Ratio	Lower	Upper
188	100		
94	9.7	6.5	9.7#
80	10.9	8.0	12.0



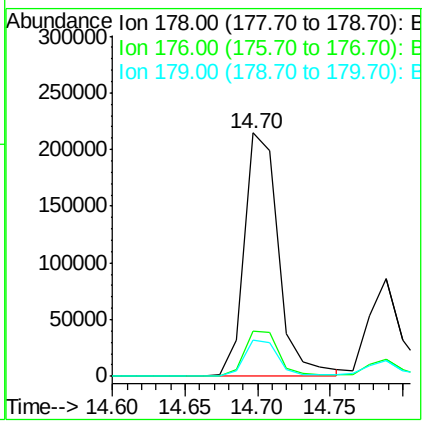


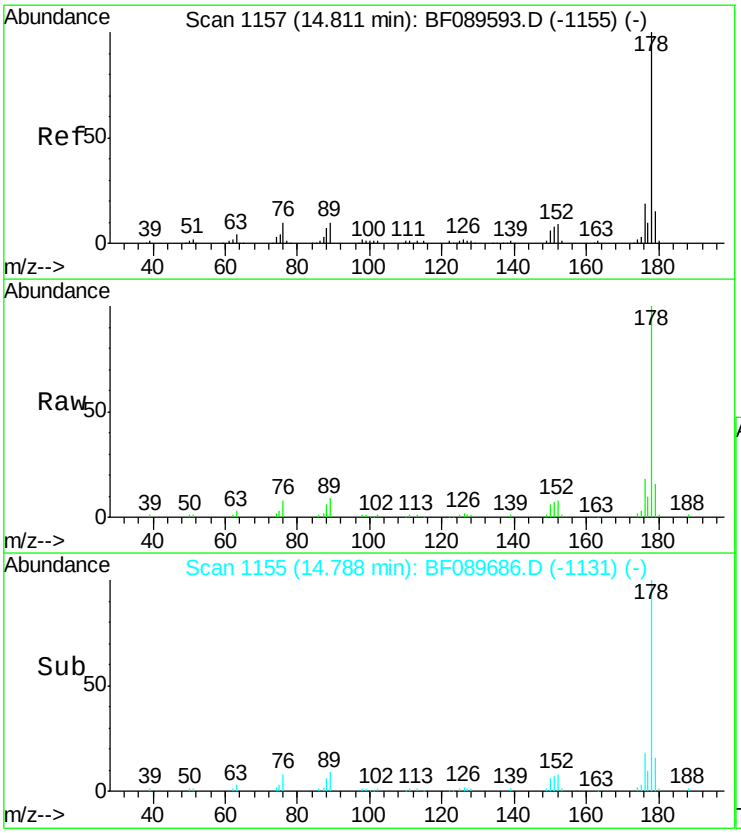
#70
Phenanthrene
Concen: 43.24 ng
RT: 14.70 min Scan# 1147
Delta R.T. -0.03 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:178 Resp: 350494

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.7	23.5
179	14.9	12.2	18.2

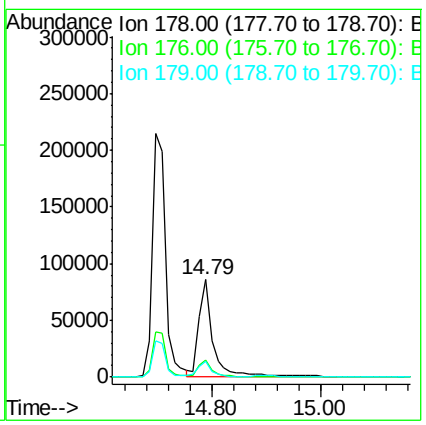


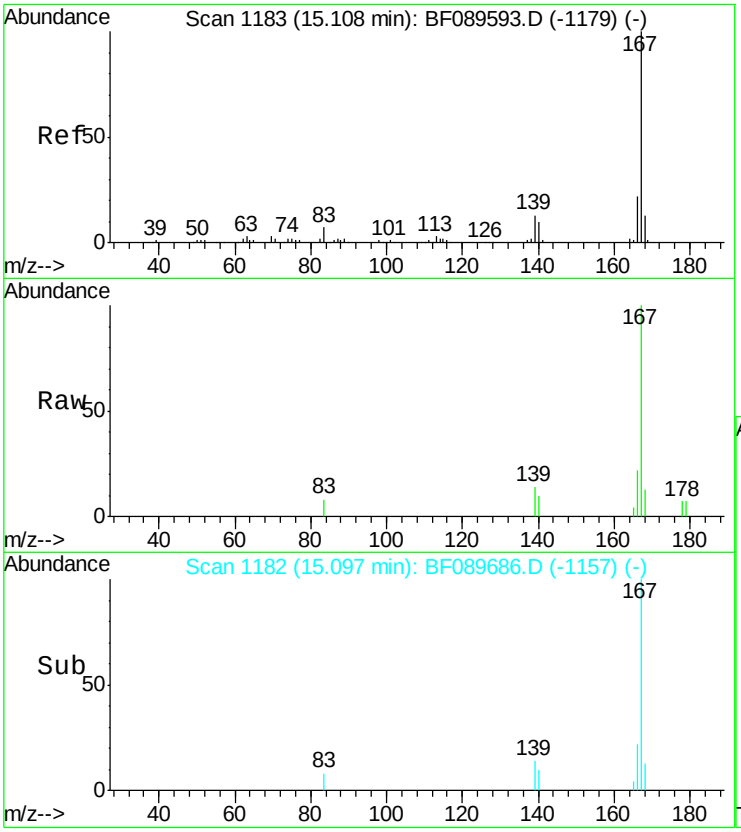


#71
Anthracene
Concen: 17.37 ng
RT: 14.79 min Scan# 1155
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:178 Resp: 151001

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	16.0	12.4	18.6



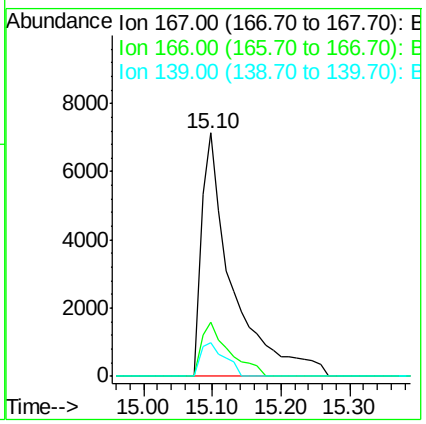


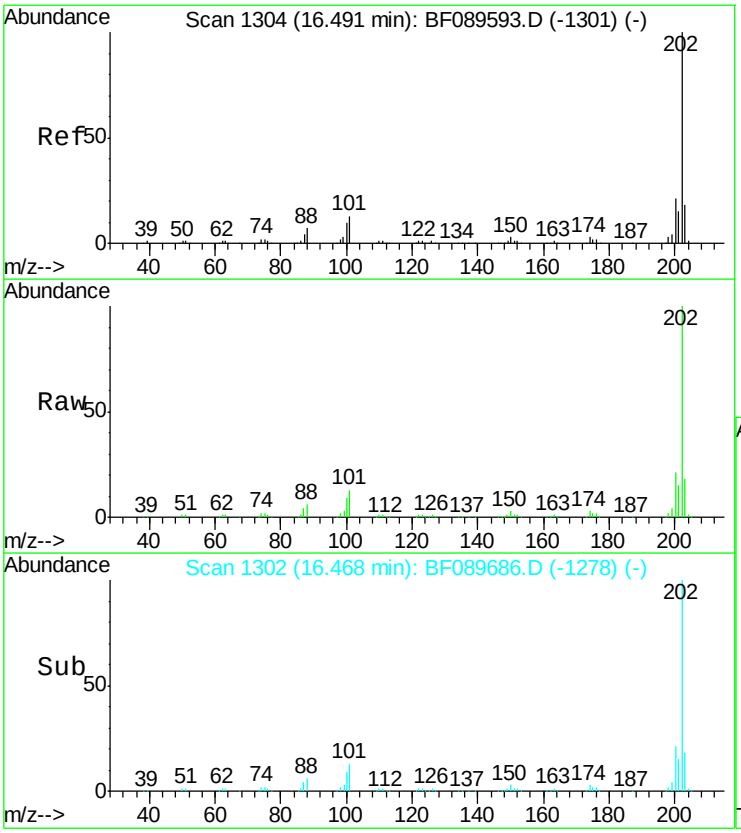
#72
Carbazole
Concen: 3.05 ng
RT: 15.10 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:167 Resp: 22058

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.5	26.3
139	13.8	10.4	15.6

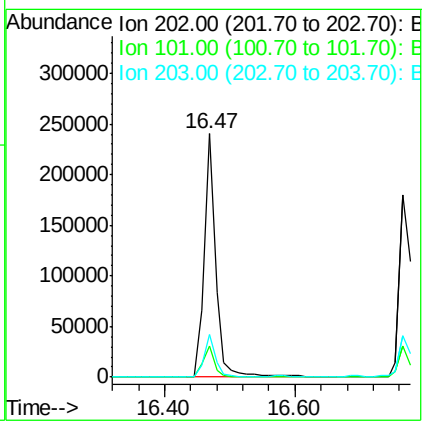


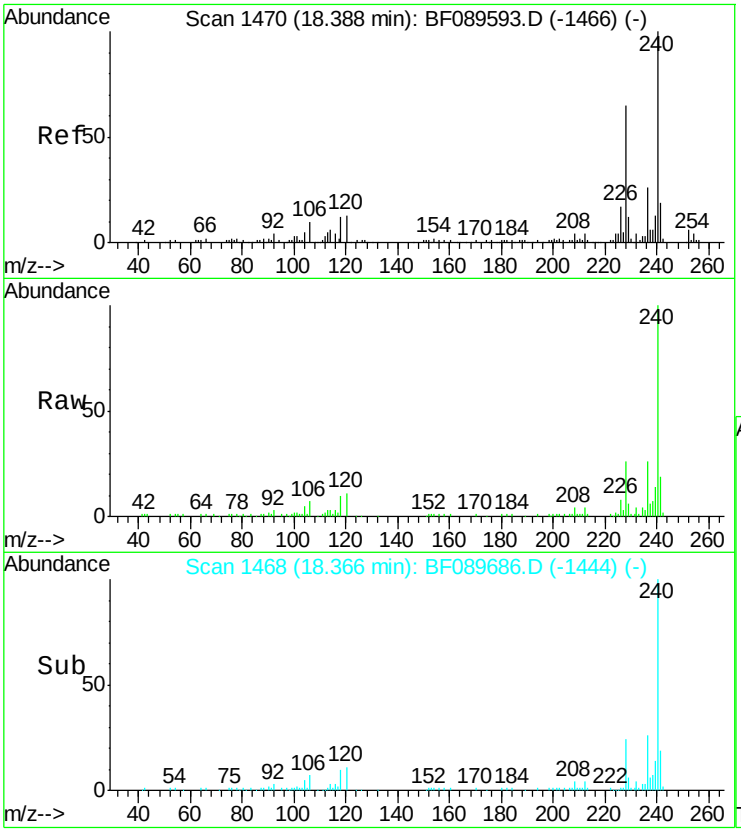


#74
Fluoranthene
Concen: 35.67 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:202 Resp: 297210

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	32.7
203	17.6	0.0	37.8



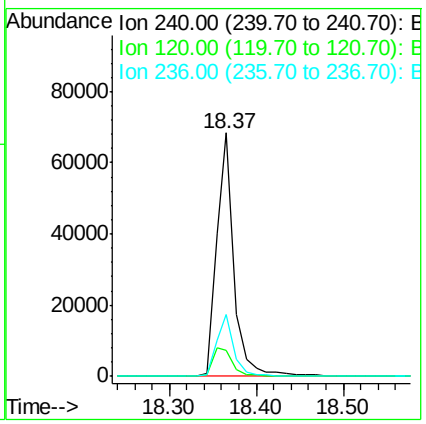


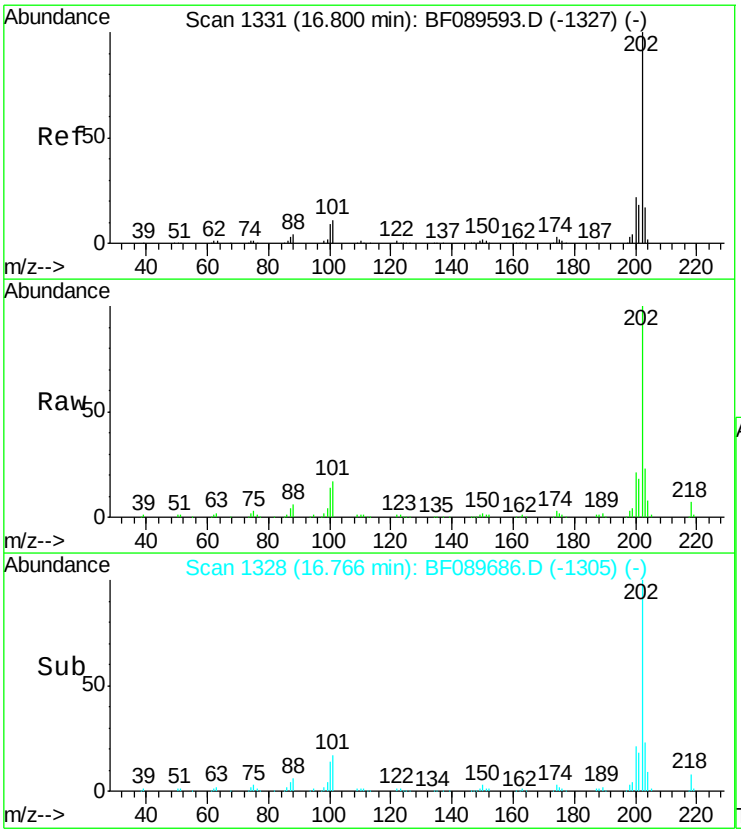
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.37 min Scan# 1468
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:240 Resp: 94628

Ion	Ratio	Lower	Upper
240	100		
120	10.5	10.6	15.8#
236	25.6	20.6	30.8

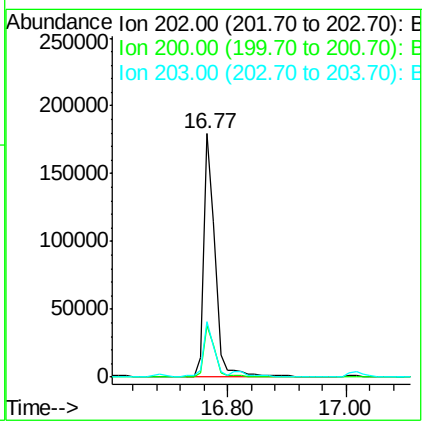


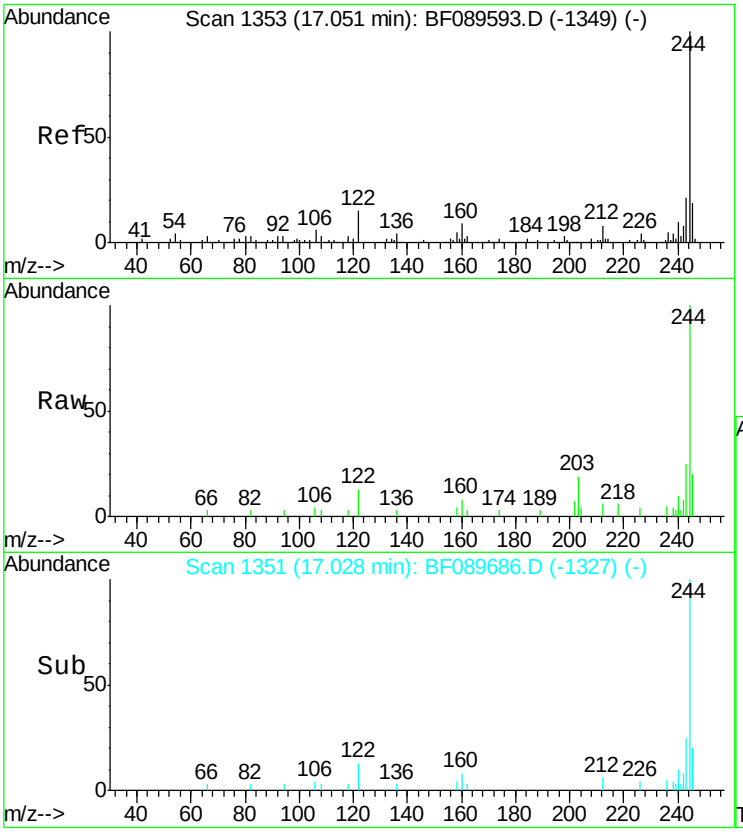


#77
Pyrene
Concen: 28.24 ng
RT: 16.77 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:202 Resp: 236237

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.0
203	22.9	13.6	20.4#



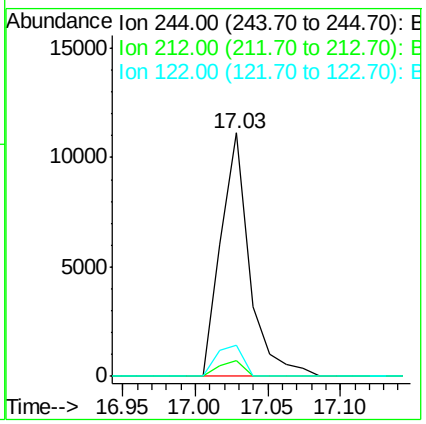


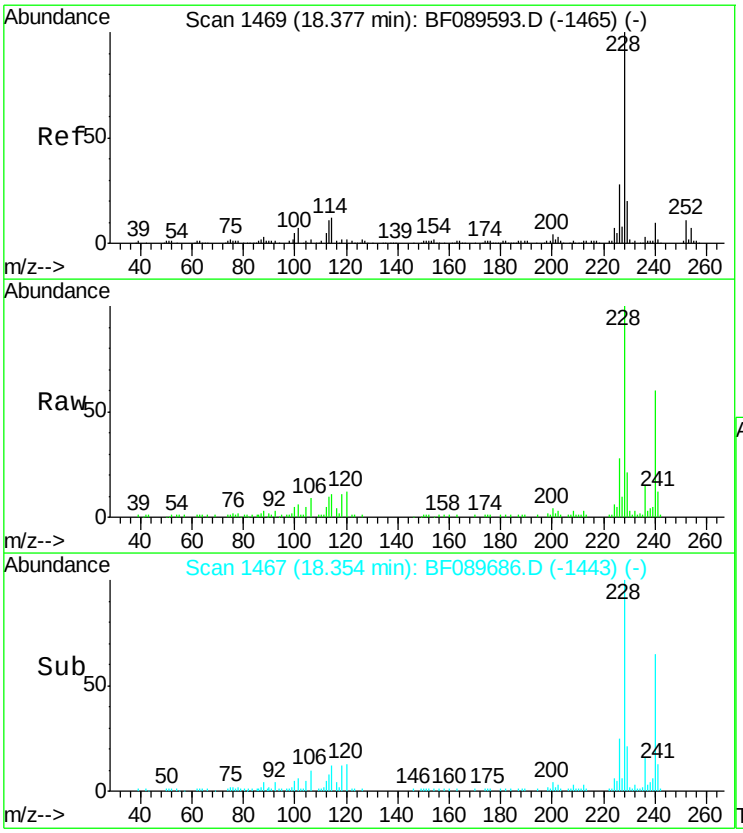
#78
Terphenyl-d14
Concen: 3.19 ng
RT: 17.03 min Scan# 1351
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:244 Resp: 15285

Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.4	9.6#
122	12.8	12.2	18.2

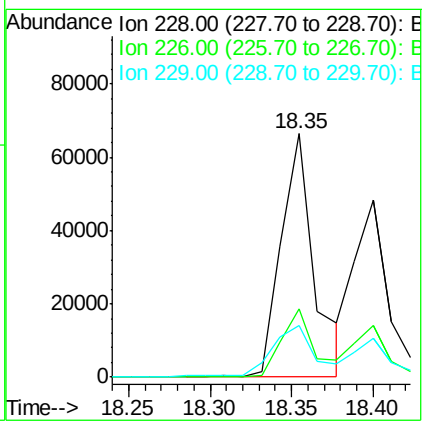


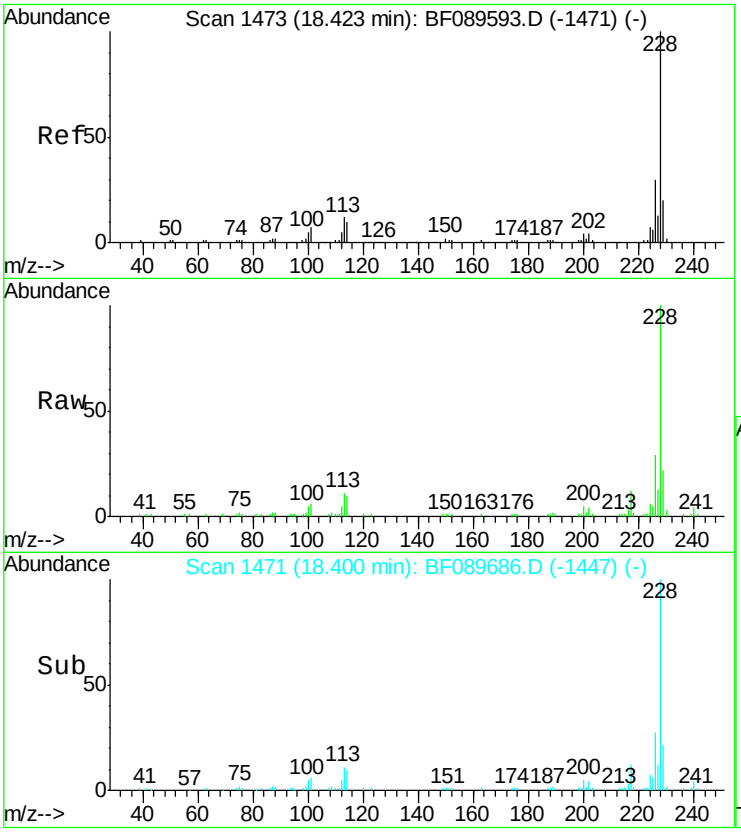


#80
Benzo(a)anthracene
Concen: 17.24 ng
RT: 18.35 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:228 Resp: 93712

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.3	33.5
229	21.0	15.9	23.9



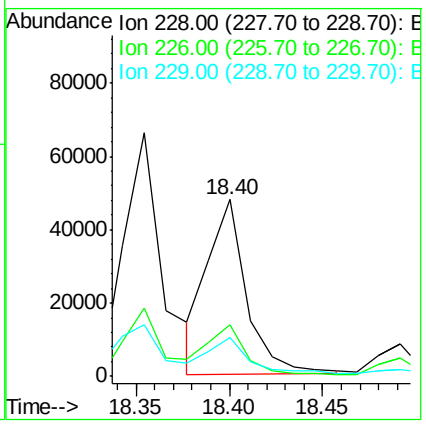


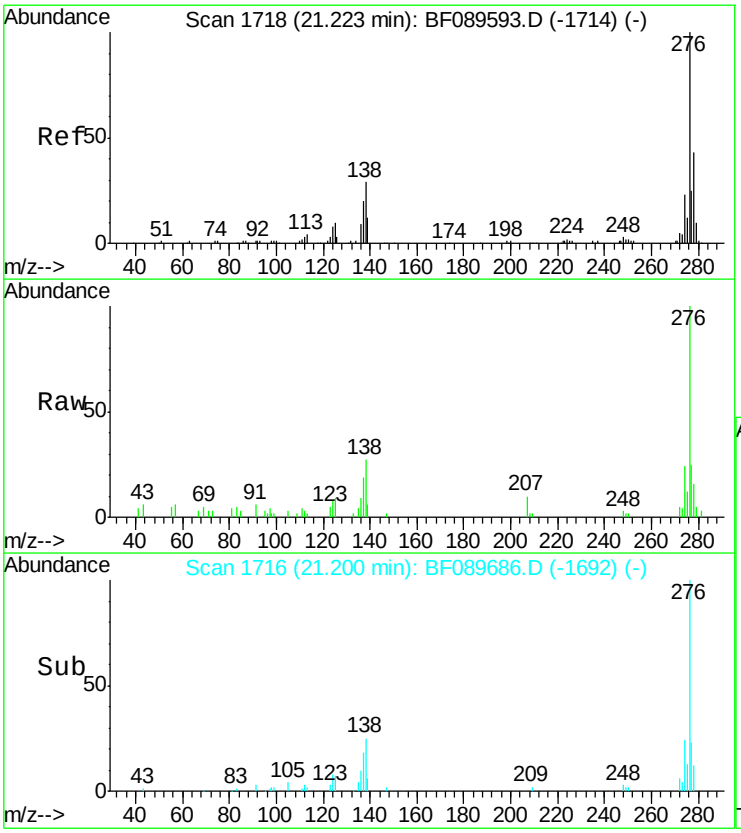
#82
Chrysene
Concen: 12.35 ng
RT: 18.40 min Scan# 1471
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:228 Resp: 70453

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.2	36.2
229	21.9	16.0	24.0

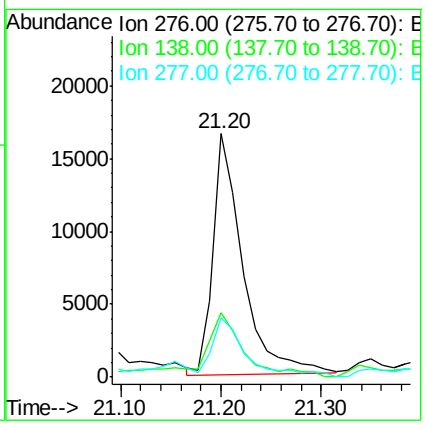


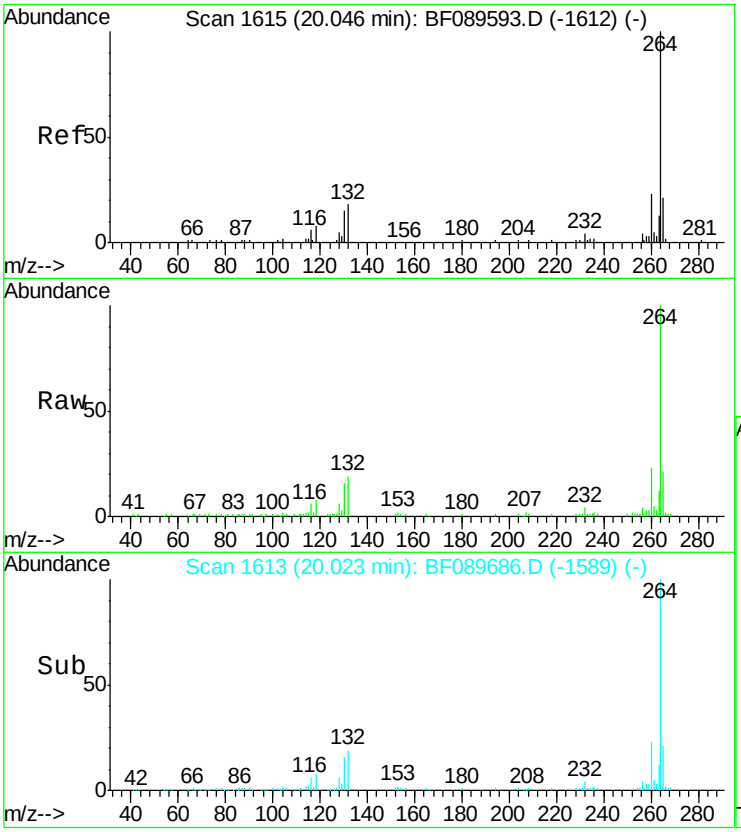


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.86 ng
RT: 21.20 min Scan# 1716
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:276 Resp: 34061

Ion	Ratio	Lower	Upper
276	100		
138	36.7	23.8	35.8#
277	28.1	20.3	30.5



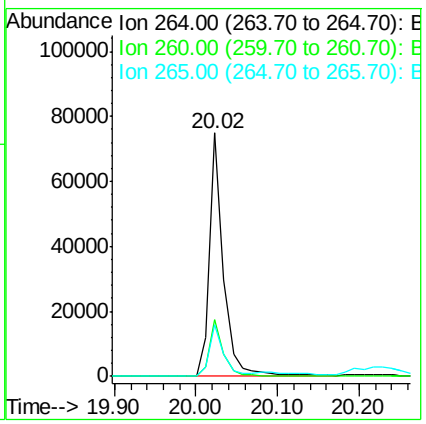


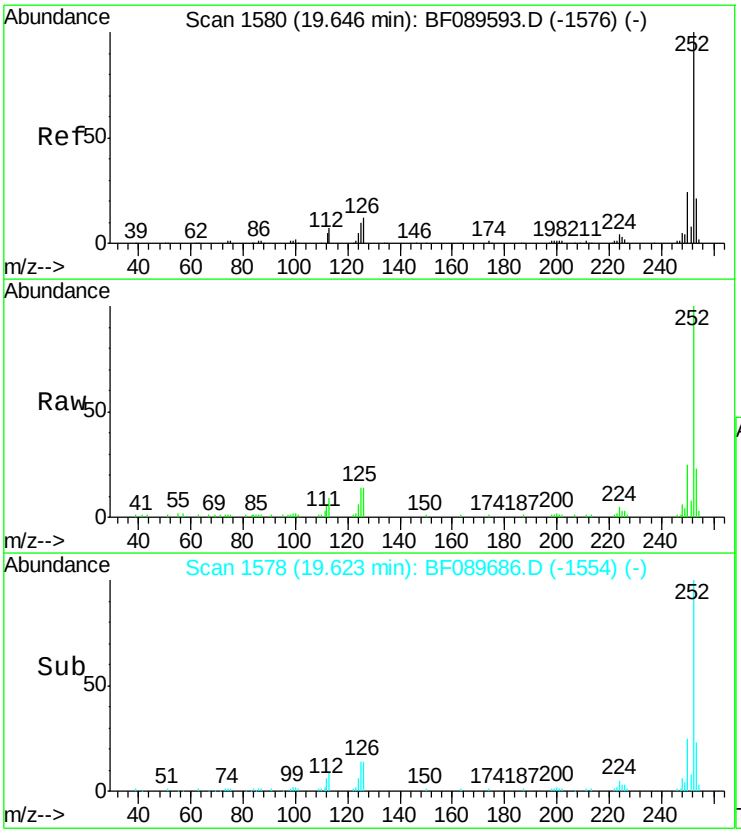
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.02 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:264 Resp: 91198

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.2	16.5	24.7

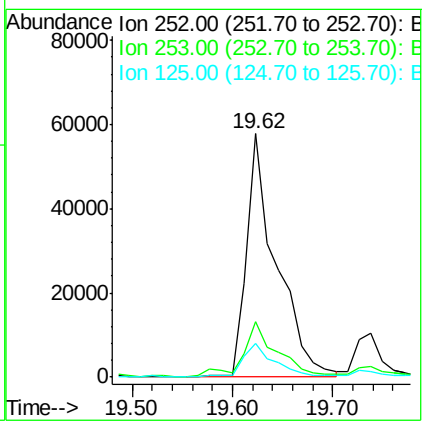


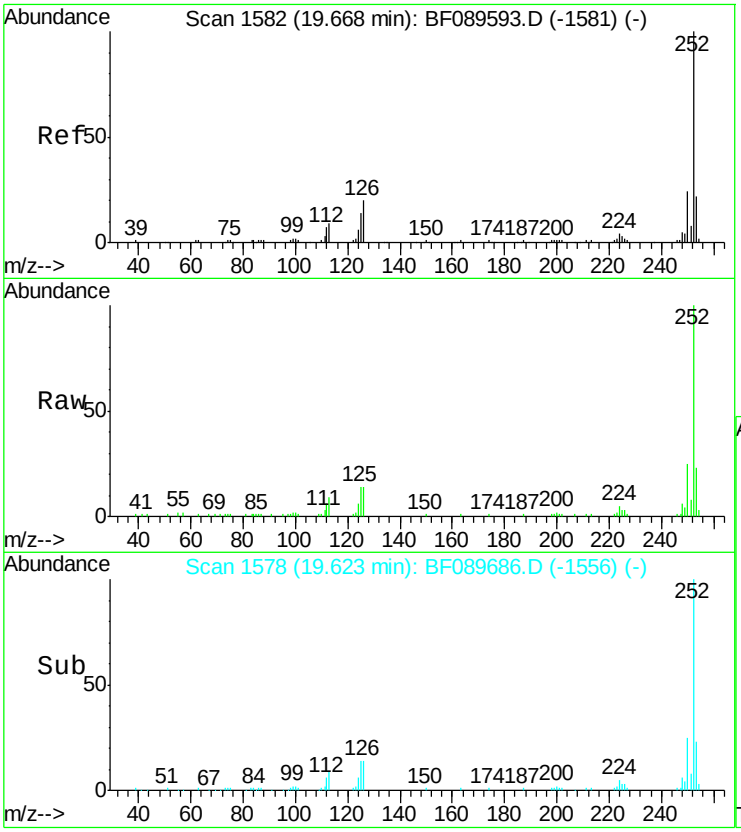


#87
Benzo(b)fluoranthene
Concen: 21.12 ng
RT: 19.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:252 Resp: 118469

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.7	7.8	11.8#



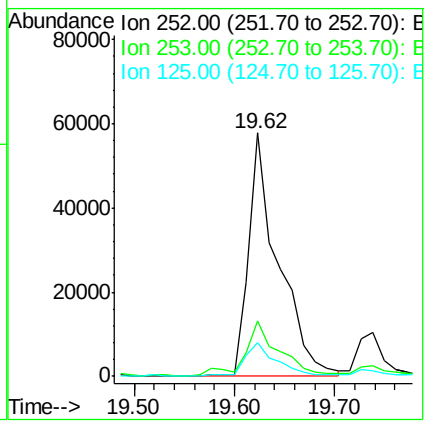


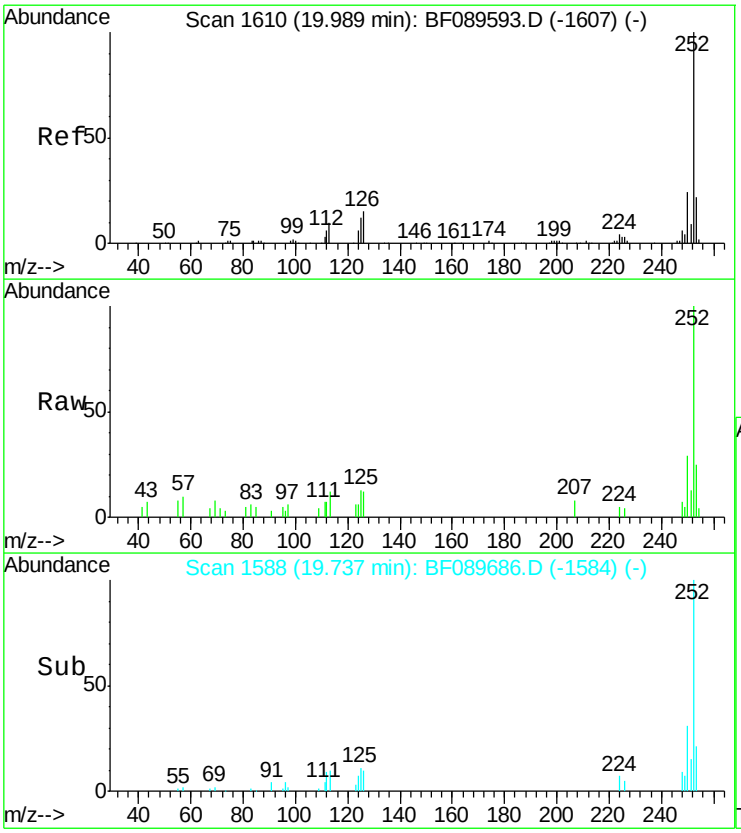
#88
Benzo(k)fluoranthene
Concen: 20.94 ng
RT: 19.62 min Scan# 1578
Delta R.T. -0.05 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:252 Resp: 118469

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	13.7	11.0	16.6

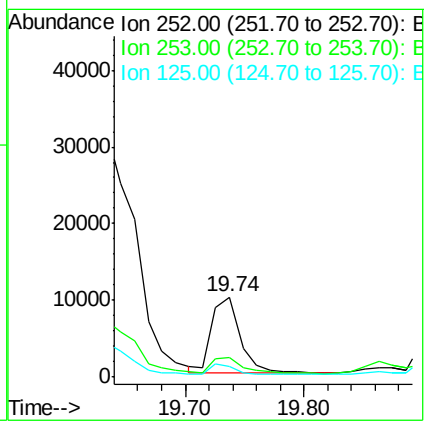


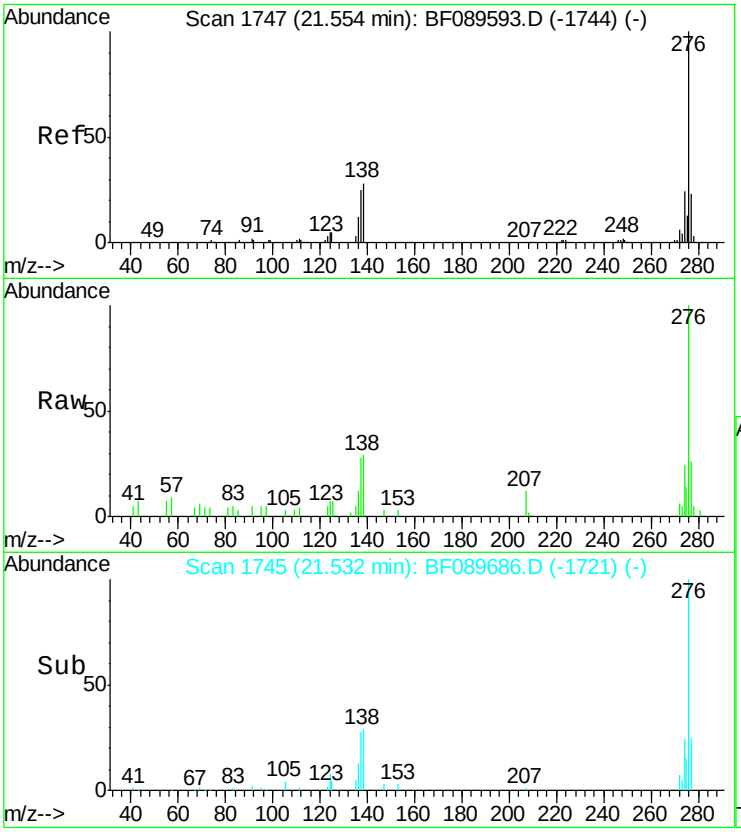


#89
Benzo(a)pyrene
Concen: 3.20 ng
RT: 19.74 min Scan# 1588
Delta R.T. -0.25 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Tgt Ion:252 Resp: 16816

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.0
125	13.5	9.9	14.9





#91
Benzo(g,h,i)perylene
Concen: 6.78 ng
RT: 21.53 min Scan# 1745
Delta R.T. -0.02 min
Lab File: BF089686.D
Acq: 9 Aug 2016 7:03

Instrument :
BNA_F
ClientSampleId :
SB-64-0.5-1.5DL

Tgt Ion:276 Resp: 34050

Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.6	28.0
138	28.6	22.6	33.8