Quantitation Report (LSC Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF011618\
Data File : BF102101.D
Acq On : 16 Jan 2018 11:33
Operator : SJ/JU
Sample : J1117-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : UST-1_14.5-15.0

Quant Time: Jan 17 10:57:06 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 11 12:53:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	133639	20.00	ng		0.00
21) Naphthalene-d8	8.02	136	236277	20.00	ng		0.00
38) Acenaphthene-d10	9.79	164	154488	20.00	ng		0.02
63) Phenanthrene-d10	11.27	188	216213	20.00	ng		0.02
75) Chrysene-d12	13.91	240	164846	20.00	ng		0.03
86) Perylene-d12	15.34	264	151277	20.00	ng		0.05
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	863514	91.24	ng		0.00
7) Phenol-d6	6.36	99	1034078	91.58	ng		0.00
23) Nitrobenzene-d5	7.29	82	605274	150.54	ng		0.00
41) 2,4,6-Tribromophenol	10.57	330	114775	85.13	ng		0.02
44) 2-Fluorobiphenyl	9.10	172	765097	77.37	ng		0.00
78) Terphenyl-d14	12.86	244	461332	58.11	ng		0.02
Target Compounds							Qvalue
10) Phenol	6.37	94	31488	2.468	ng		88
31) Naphthalene	8.03	128	81985	6.944	ng	#	61
37) 2-Methylnaphthalene	8.74	142	643052	82.735	ng		97
45) 1,1'-Biphenyl	9.20	154	341740	25.027	ng		97
49) Dimethylphthalate	9.49	163	108676	8.769	ng	#	78
57) Fluorene	10.33	166	209381	21.637	ng	#	75
70) Phenanthrene	11.30	178	689939	54.628	ng		97
74) Fluoranthene	12.49	202	69761	5.614	ng		68
77) Pyrene	12.72	202	282933	19.417	ng	#	94
82) Chrysene	13.93	228	131159	11.959	ng	#	72

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

Quantitation Report (LSC Reviewed)

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Acq On : 16 Jan 2018 11:33
Operator : SJ/JU
Sample : J1117-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

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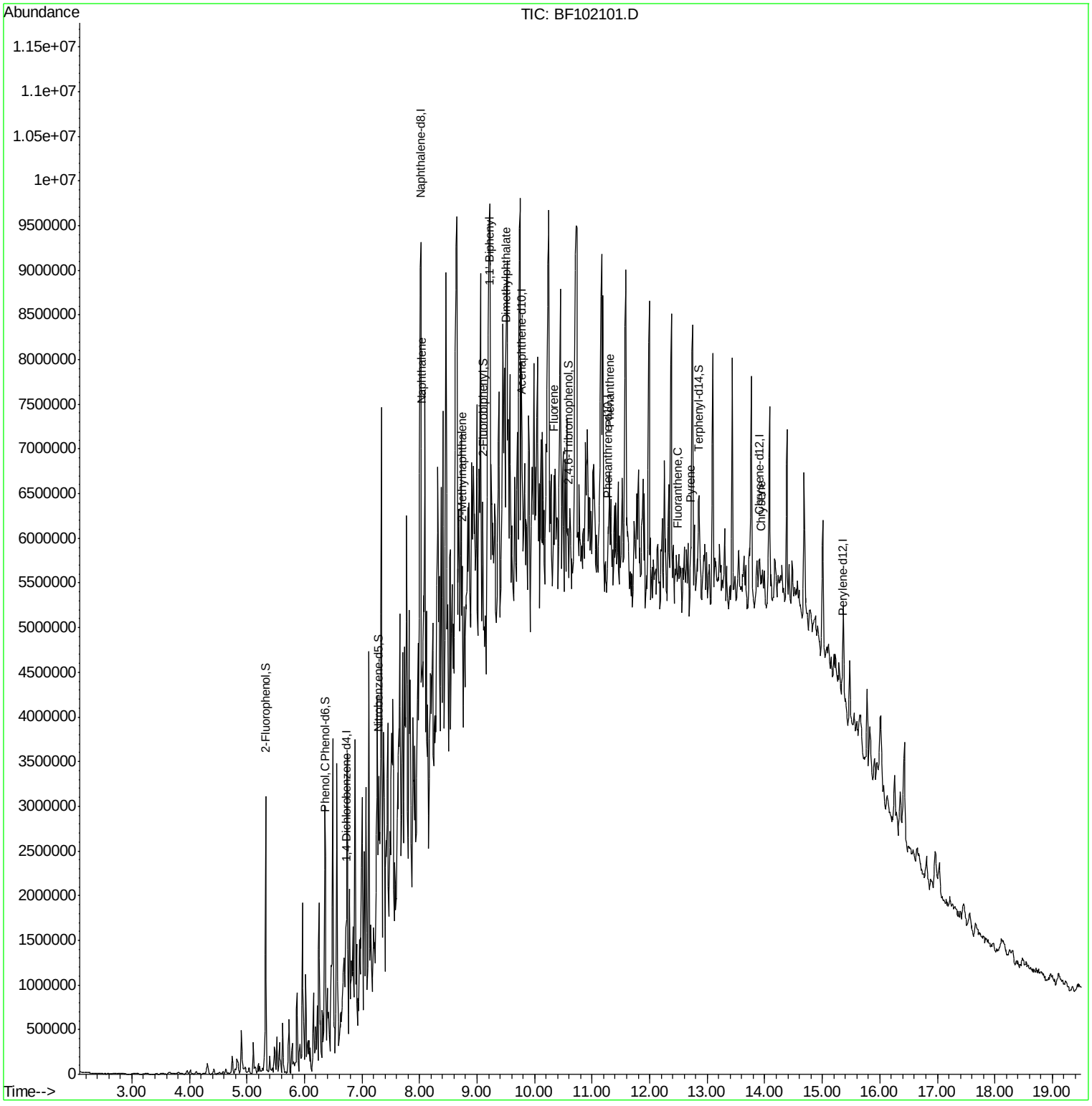
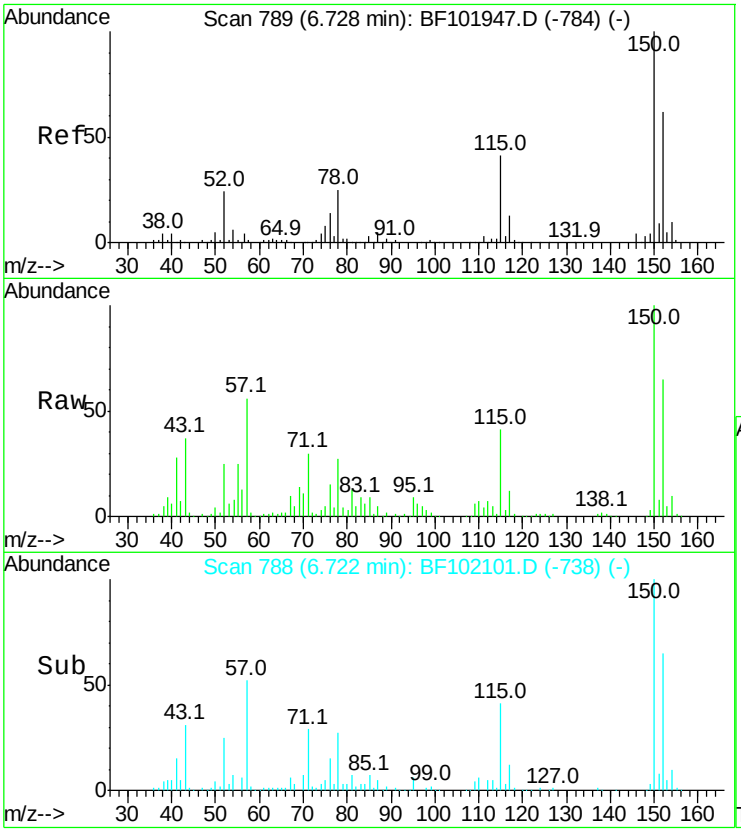


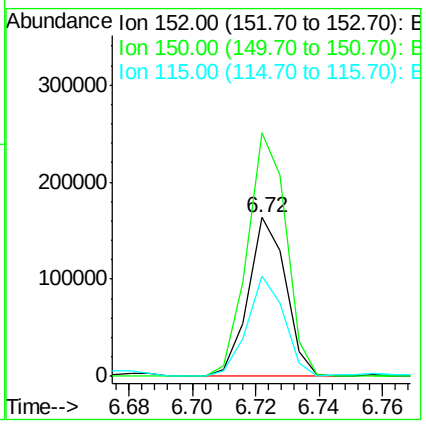


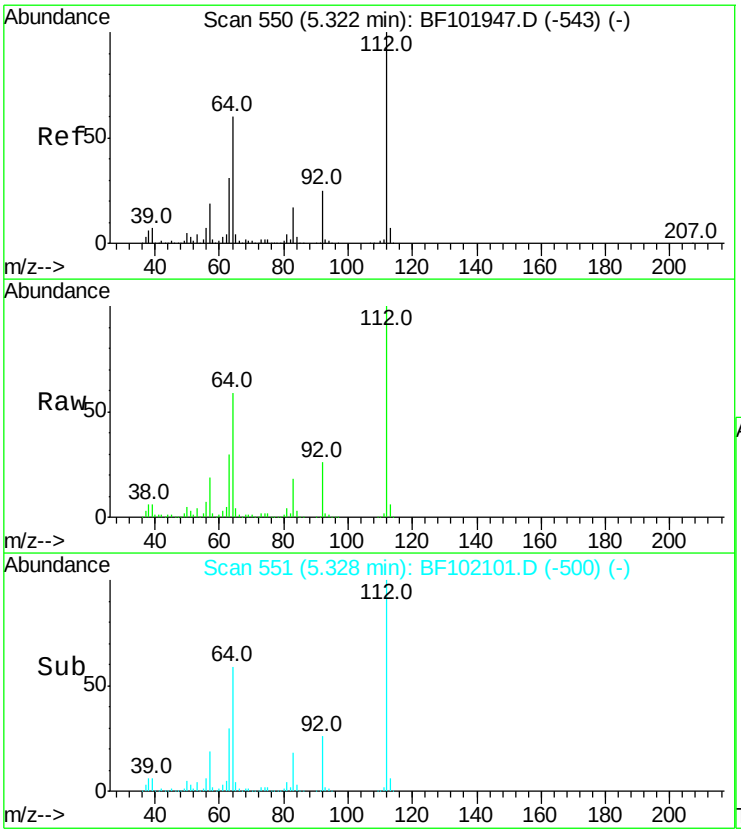
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

Tgt Ion:152 Resp: 133639

Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	62.9	50.1	75.1

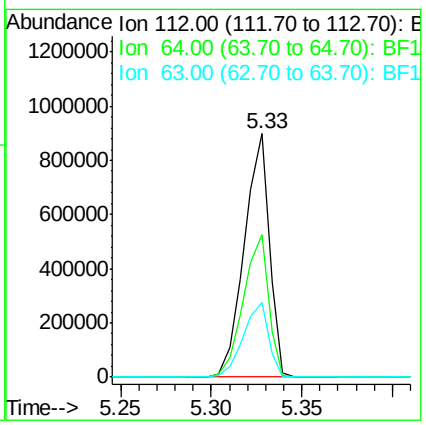


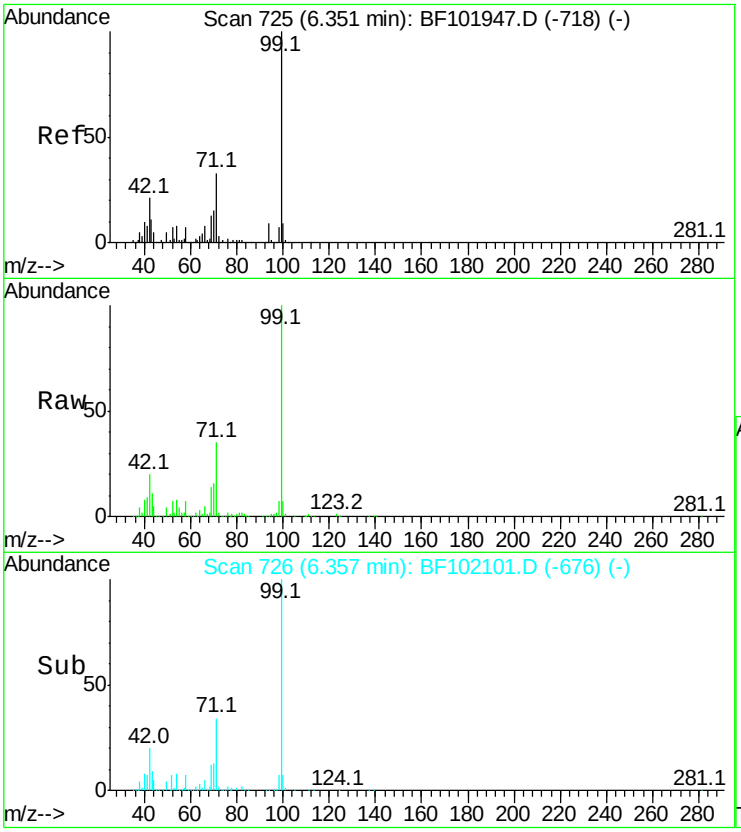


#5
2-Fluorophenol
Concen: 91.242 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.00 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Tgt Ion:112 Resp: 863514

Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.9	71.9
63	30.4	23.7	35.5



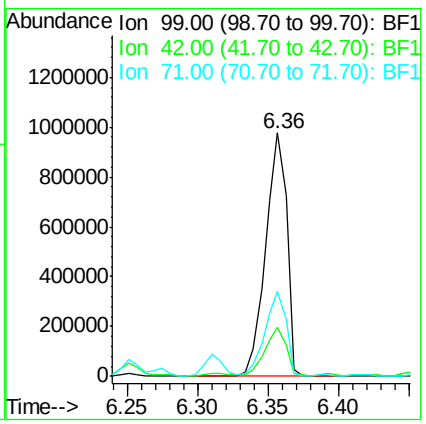


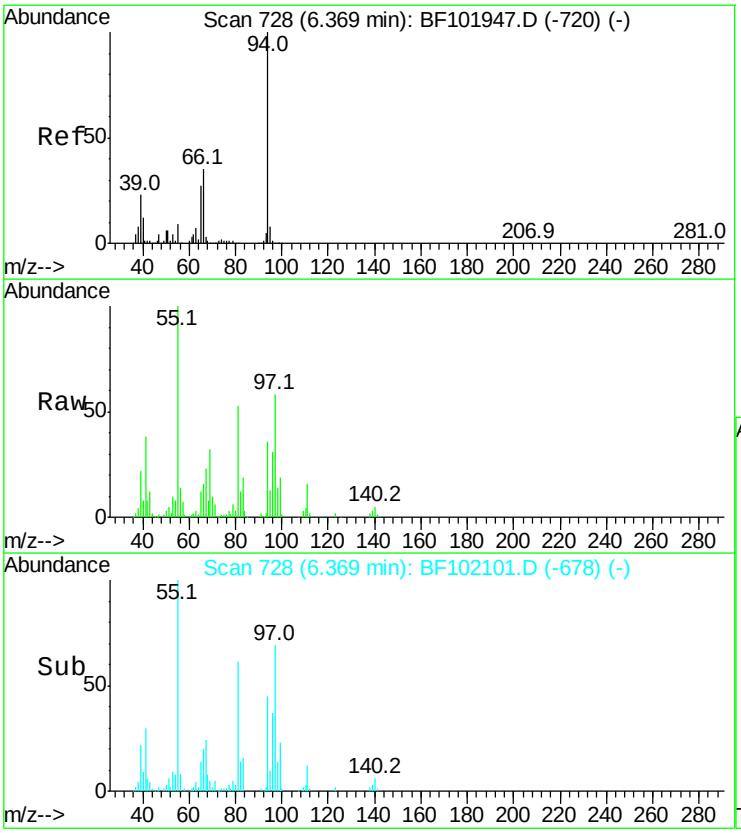
#7
Phenol-d6
Concen: 91.580 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

Tgt Ion: 99 Resp: 1034078

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	34.7	25.4	38.0

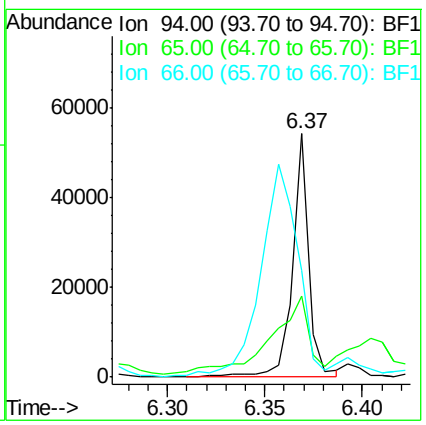


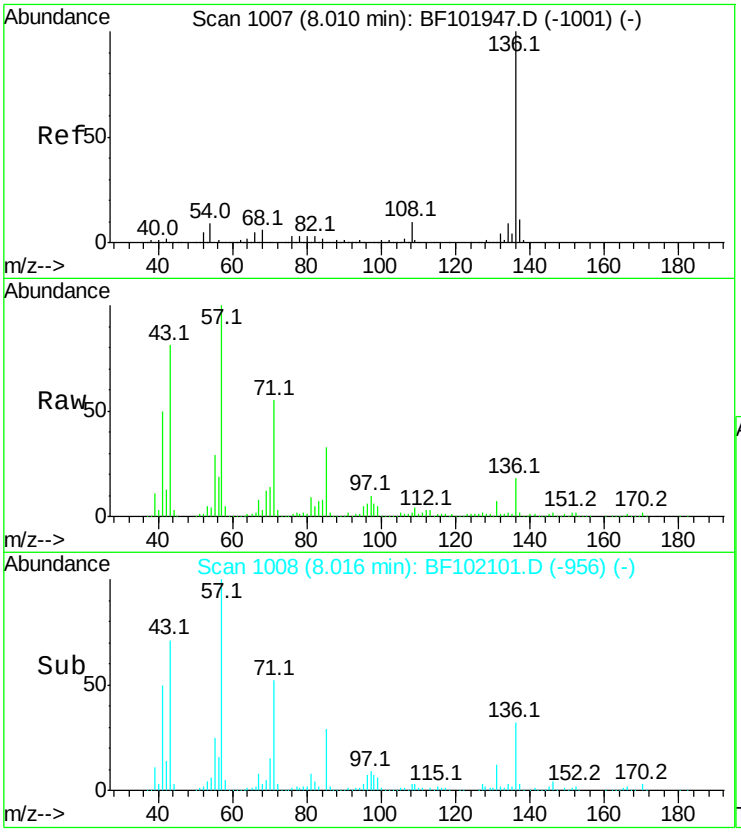


#10
Phenol
Concen: 2.468 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Tgt Ion: 94 Resp: 31488

Ion	Ratio	Lower	Upper
94	100		
65	33.1	7.9	47.9
66	43.9	16.2	56.2



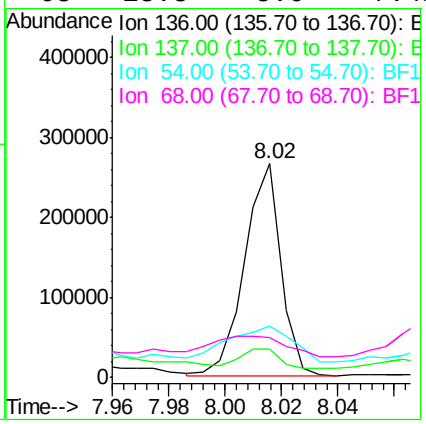


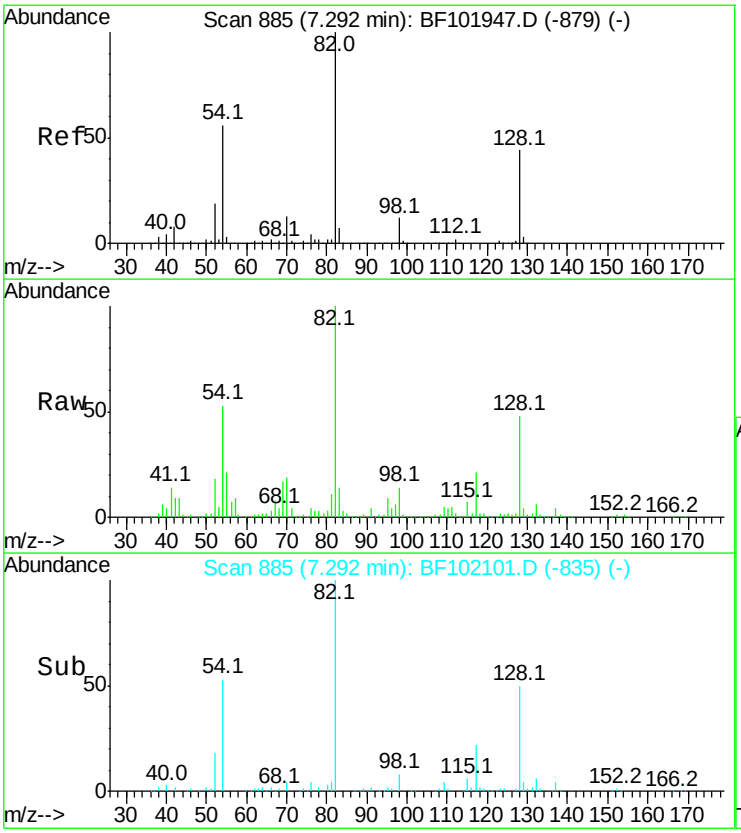
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.01 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

Tgt Ion:136 Resp: 236277

Ion	Ratio	Lower	Upper
136	100		
137	13.4	8.9	13.3#
54	24.2	6.6	9.8#
68	18.3	5.0	7.4#

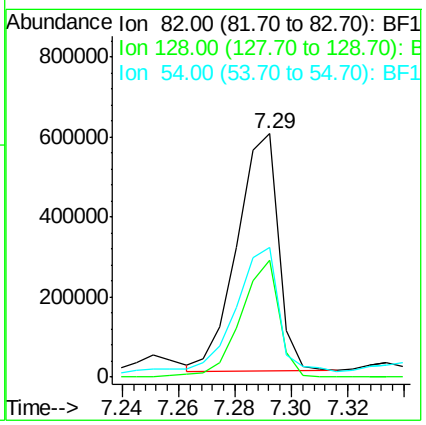


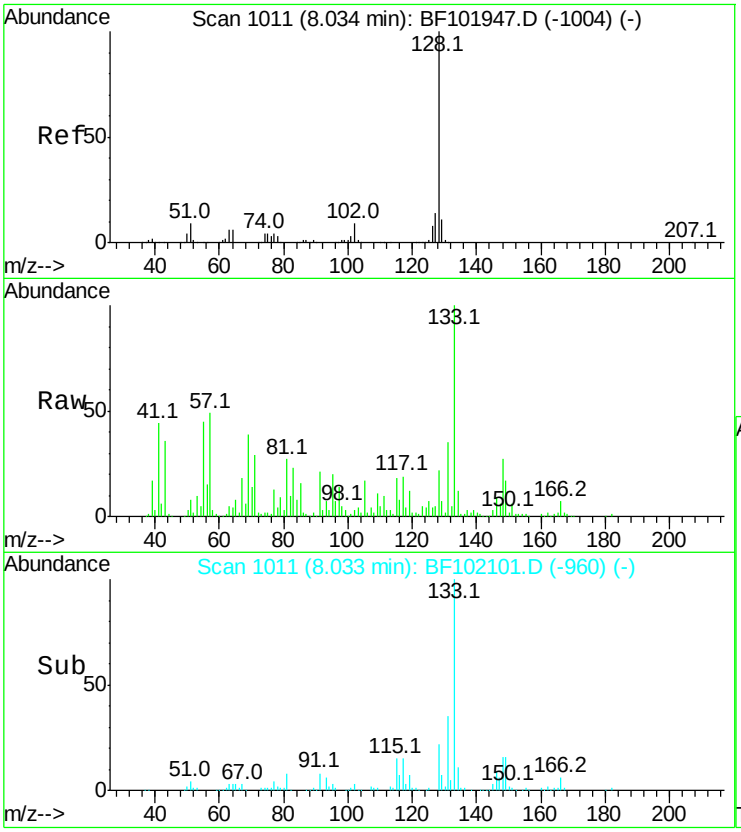


#23
Nitrobenzene-d5
Concen: 150.537 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Tgt Ion: 82 Resp: 605274

Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	53.3	41.4	62.2



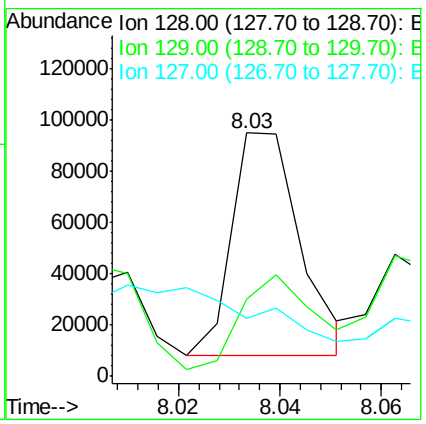


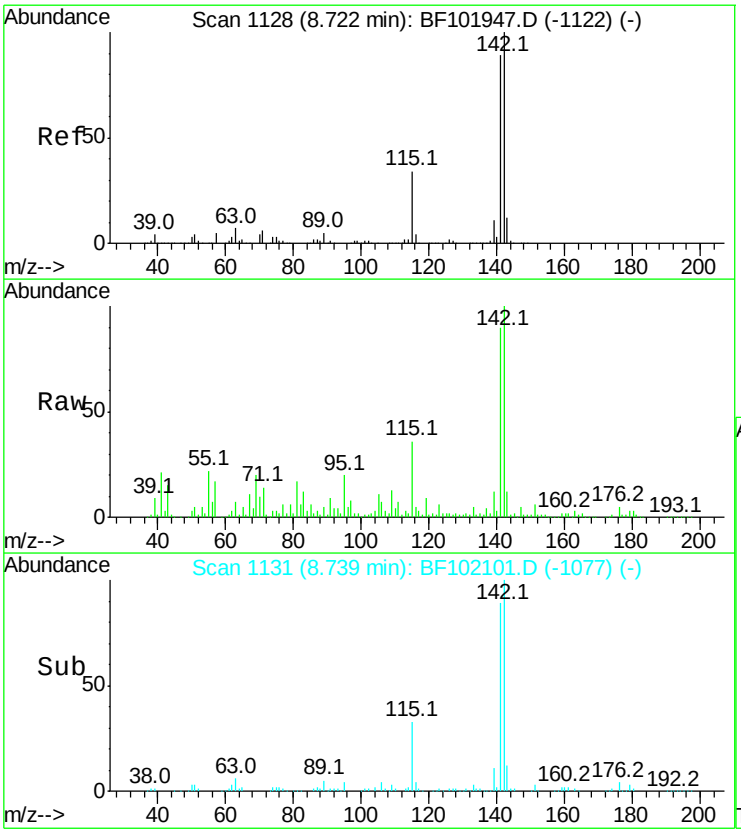
#31
Naphthalene
Concen: 6.944 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

Tgt Ion:128 Resp: 81985

Ion	Ratio	Lower	Upper
128	100		
129	31.6	8.8	13.2#
127	23.9	10.9	16.3#

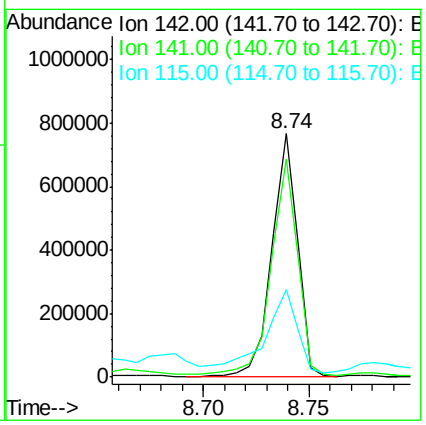


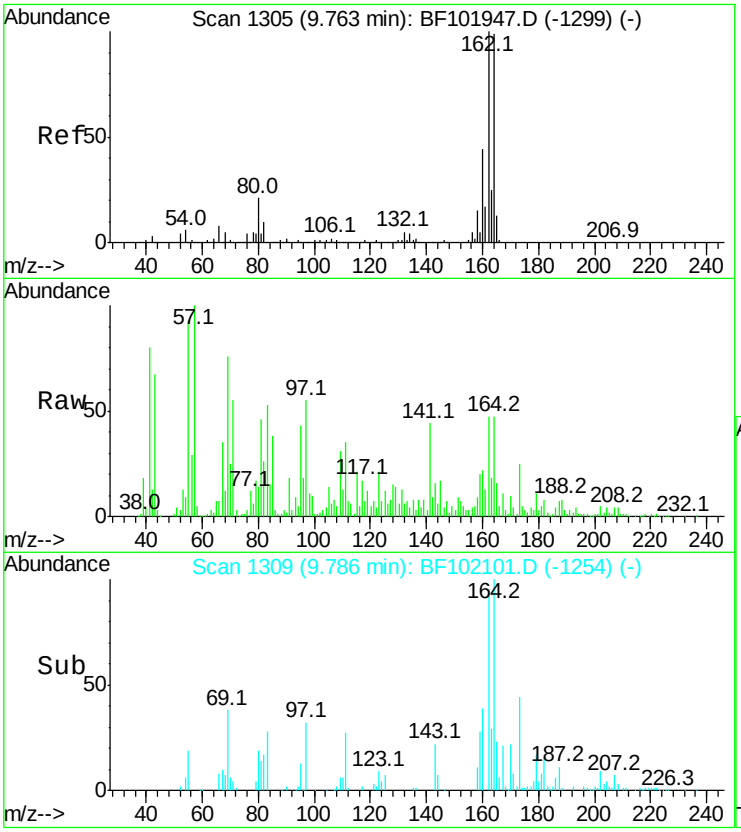


#37
2-Methylnaphthalene
Concen: 82.735 ng
RT: 8.74 min Scan# 1131
Delta R.T. 0.02 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Tgt Ion:142 Resp: 643052

Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.8	106.2
115	36.1	26.1	39.1



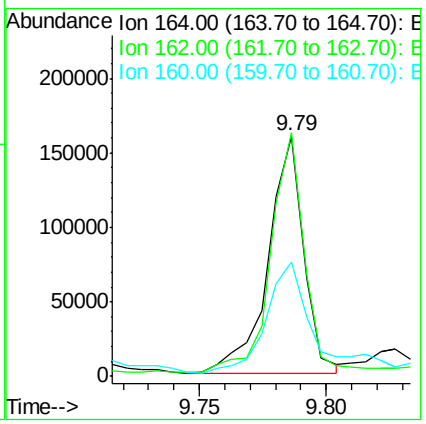


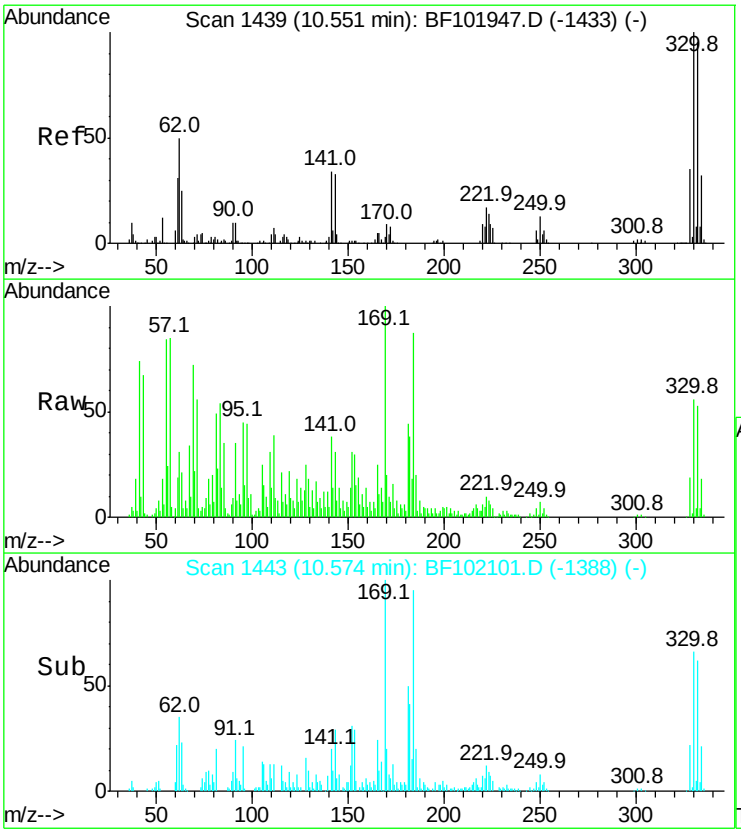
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.02 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

Tgt Ion:164 Resp: 154488

Ion	Ratio	Lower	Upper
164	100		
162	101.4	86.1	129.1
160	47.9	38.3	57.5

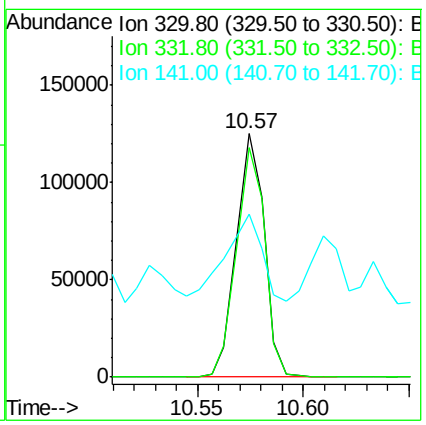


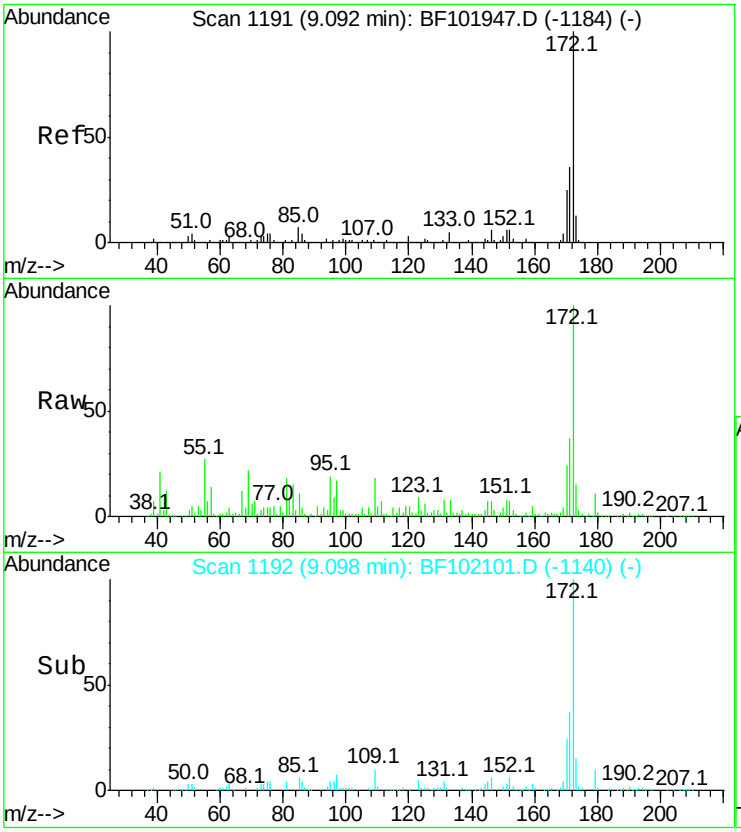


#41
2,4,6-Tribromophenol
Concen: 85.132 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.02 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Tgt Ion:330 Resp: 114775

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	46.0	29.9	44.9#



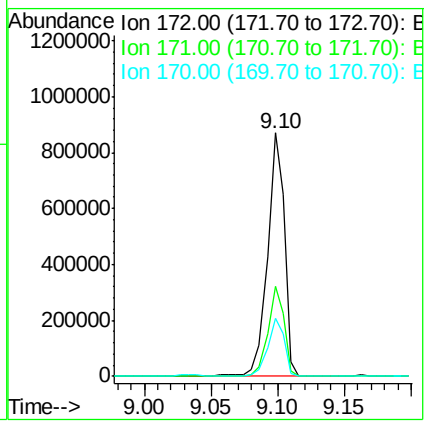


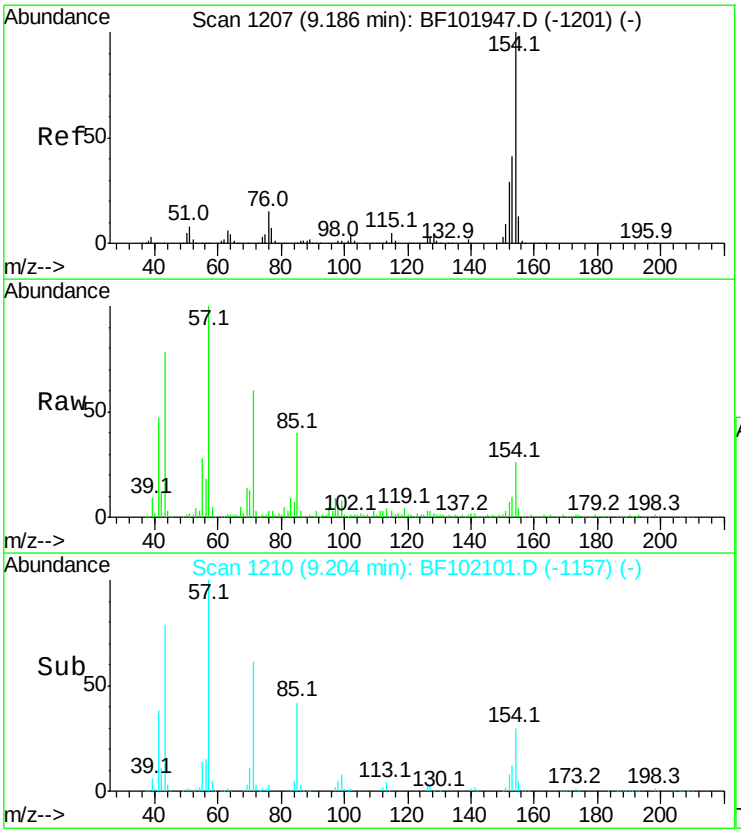
#44
2-Fluorobiphenyl
Concen: 77.371 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.01 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

Tgt Ion:172 Resp: 765097

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.0	19.6	29.4

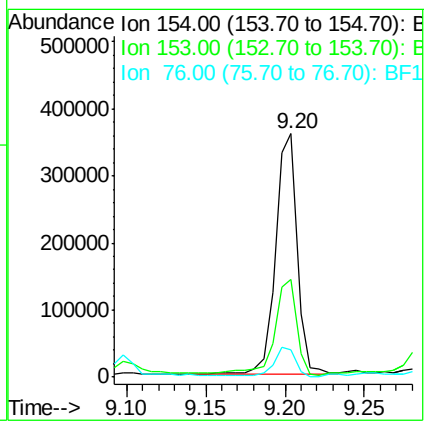


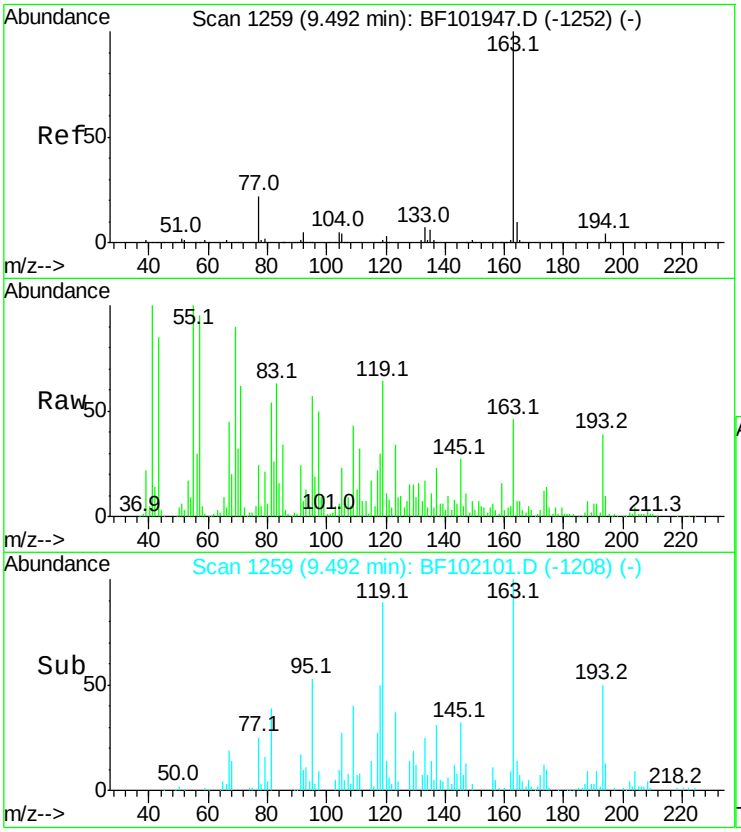


#45
1,1'-Biphenyl
Concen: 25.027 ng
RT: 9.20 min Scan# 1210
Delta R.T. 0.01 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Tgt Ion:154 Resp: 341740

Ion	Ratio	Lower	Upper
154	100		
153	40.0	21.3	61.3
76	11.1	0.0	34.0



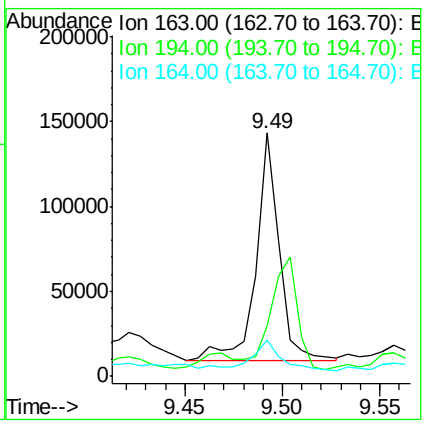


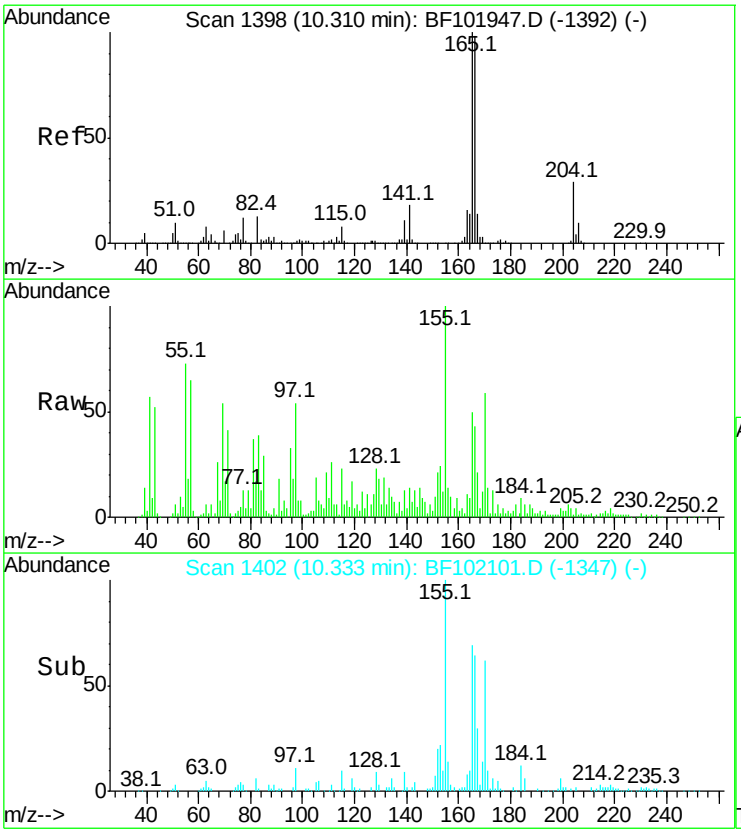
#49
Dimethylphthalate
Concen: 8.769 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.00 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

Tgt Ion:163 Resp: 108676

Ion	Ratio	Lower	Upper
163	100		
194	20.7	2.7	4.1#
164	14.8	8.2	12.2#

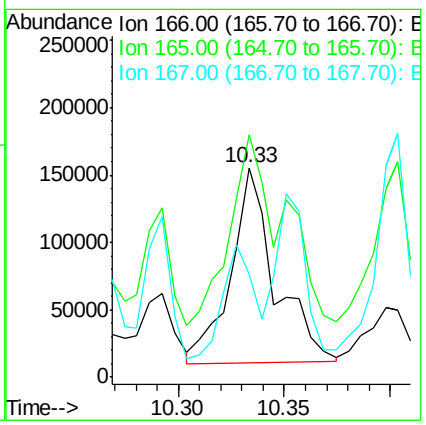


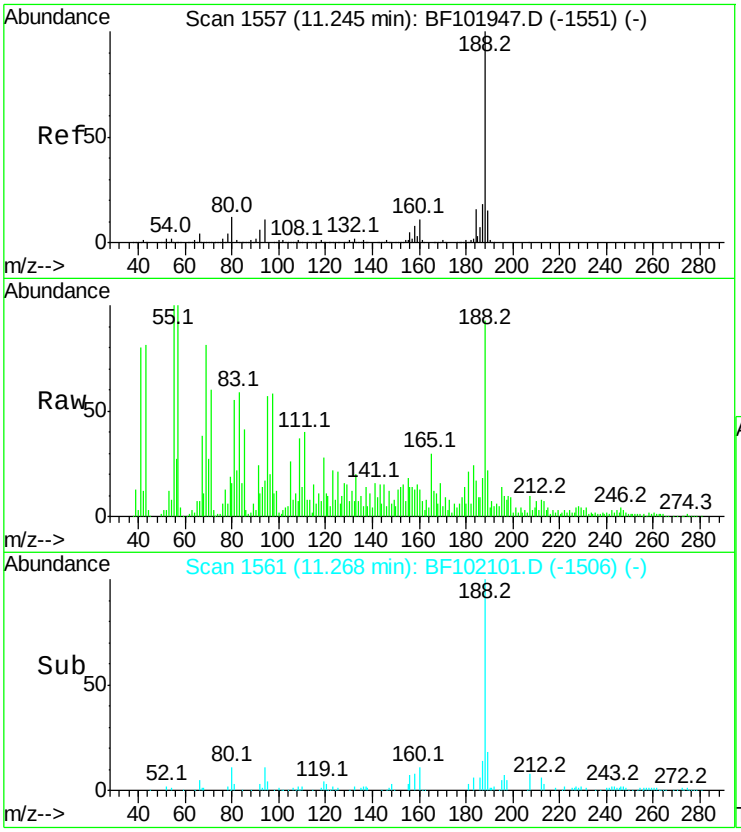


#57
Fluorene
Concen: 21.637 ng
RT: 10.33 min Scan# 1402
Delta R.T. 0.02 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Tgt Ion:166 Resp: 209381

Ion	Ratio	Lower	Upper
166	100		
165	116.0	79.8	119.8
167	49.1	10.6	16.0#



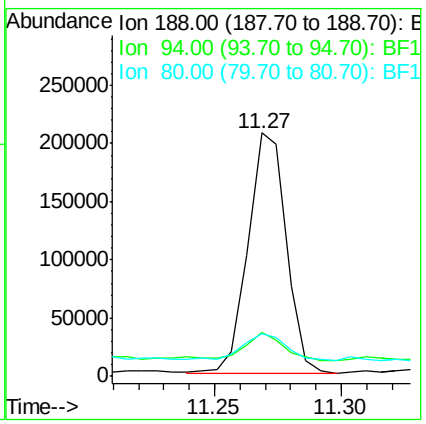


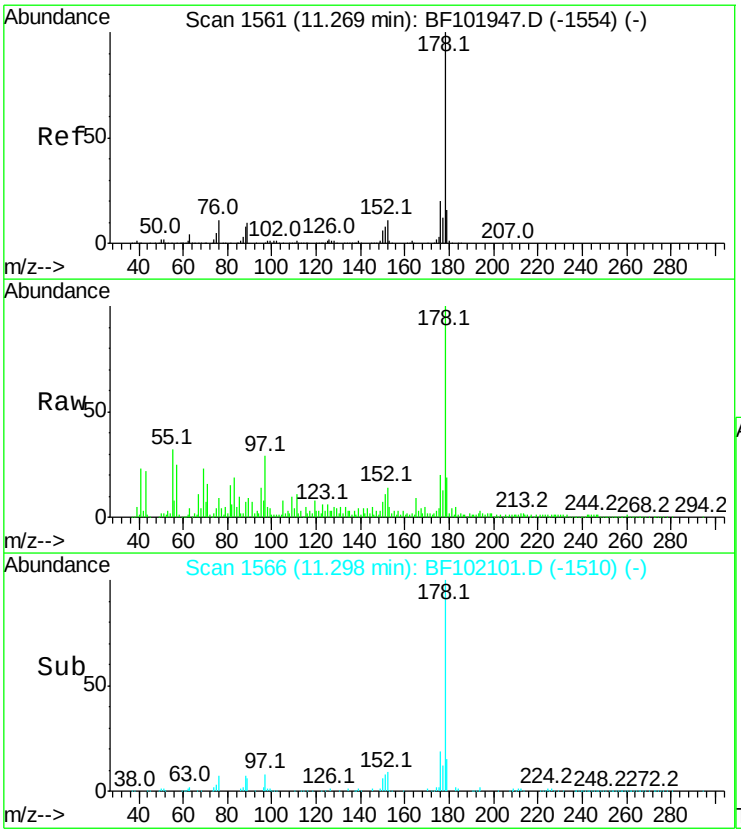
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.02 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

Tgt Ion:188 Resp: 216213

Ion	Ratio	Lower	Upper
188	100		
94	18.3	8.5	12.7#
80	17.7	9.2	13.8#

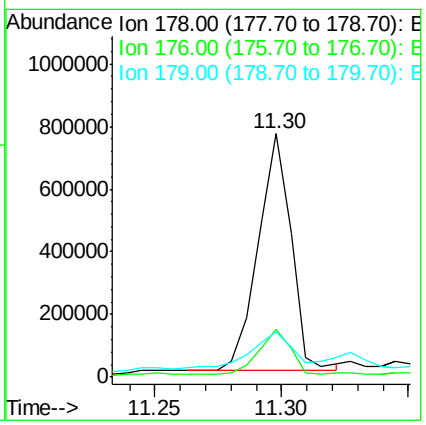


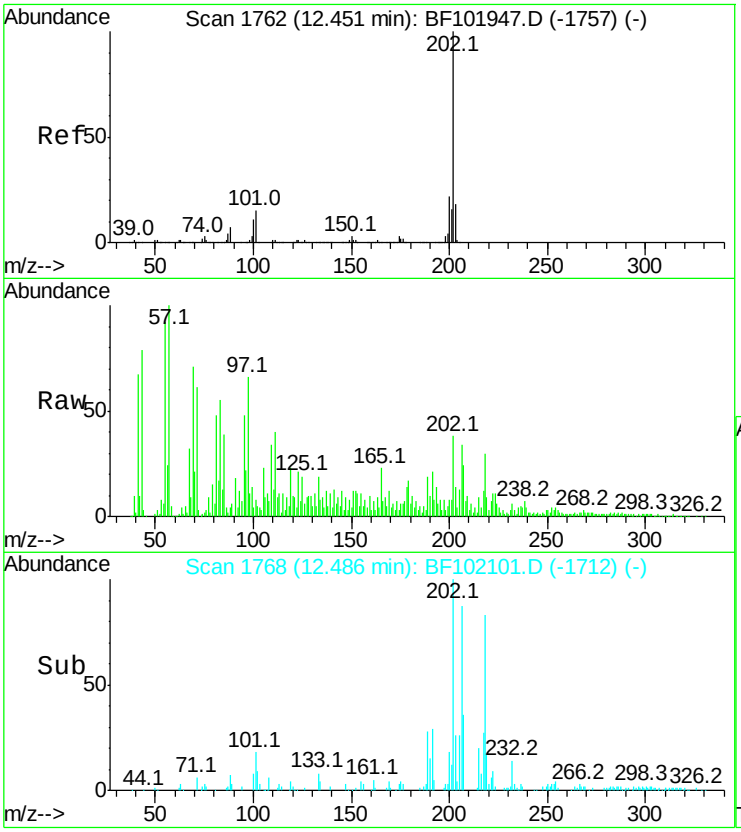


#70
Phenanthrene
Concen: 54.628 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.03 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Tgt Ion:178 Resp: 689939

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	18.8	13.0	19.6



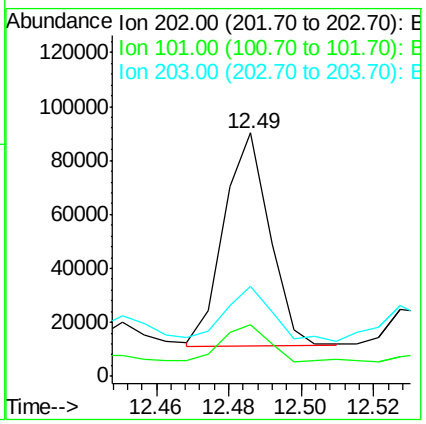


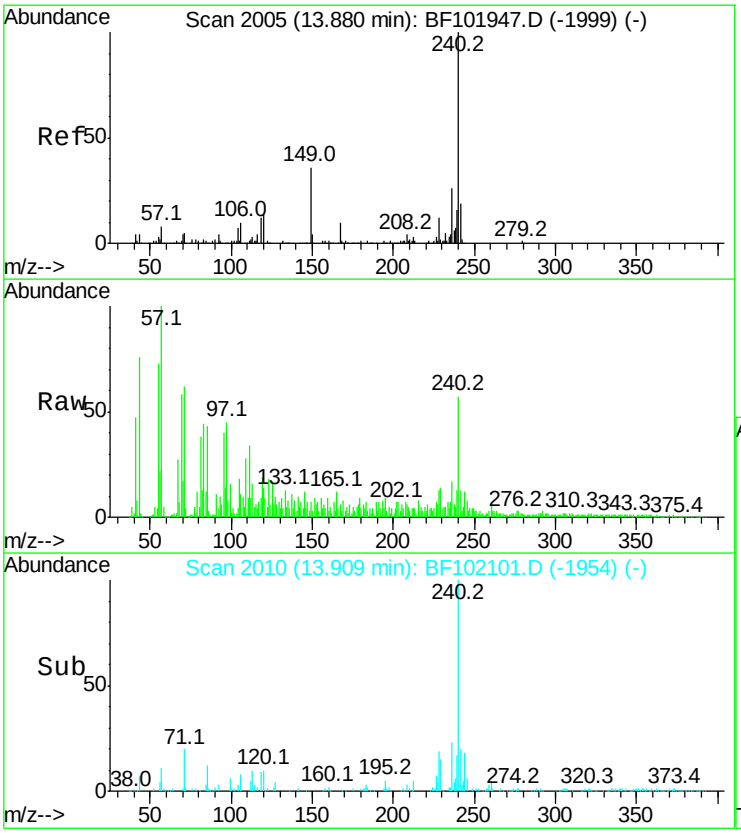
#74
Fluoranthene
Concen: 5.614 ng
RT: 12.49 min Scan# 1768
Delta R.T. 0.03 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

Tgt Ion:202 Resp: 69761

Ion	Ratio	Lower	Upper
202	100		
101	21.3	0.0	34.1
203	36.9	0.0	38.1

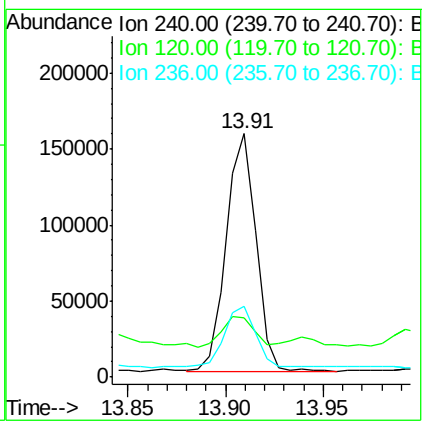


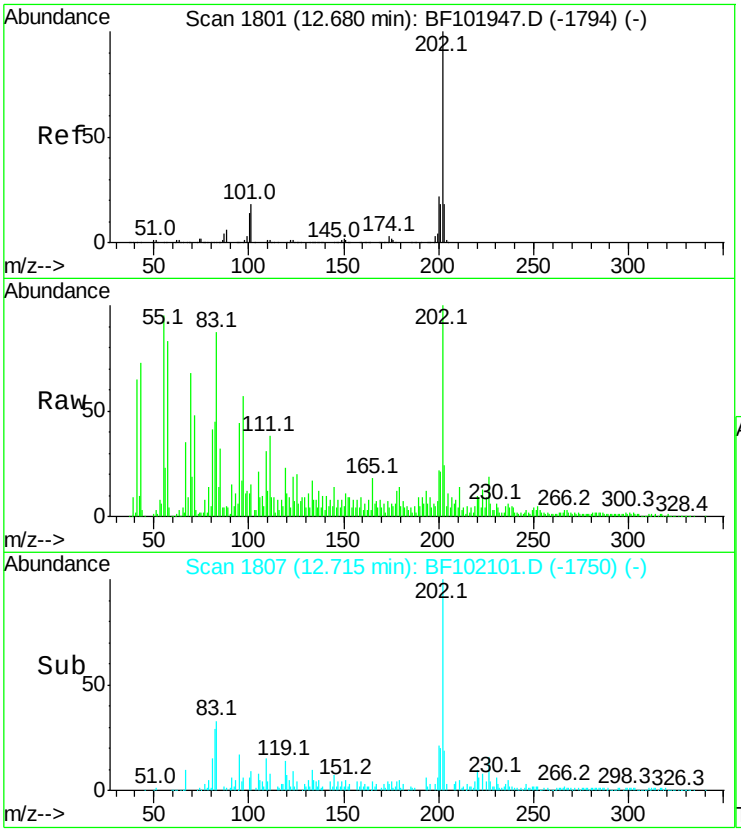


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.03 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Tgt Ion:240 Resp: 164846

Ion	Ratio	Lower	Upper
240	100		
120	24.3	9.5	14.3#
236	29.2	20.7	31.1



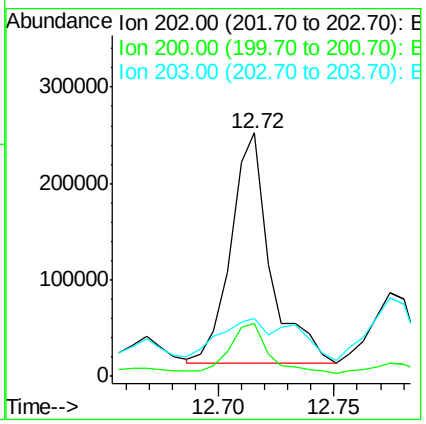


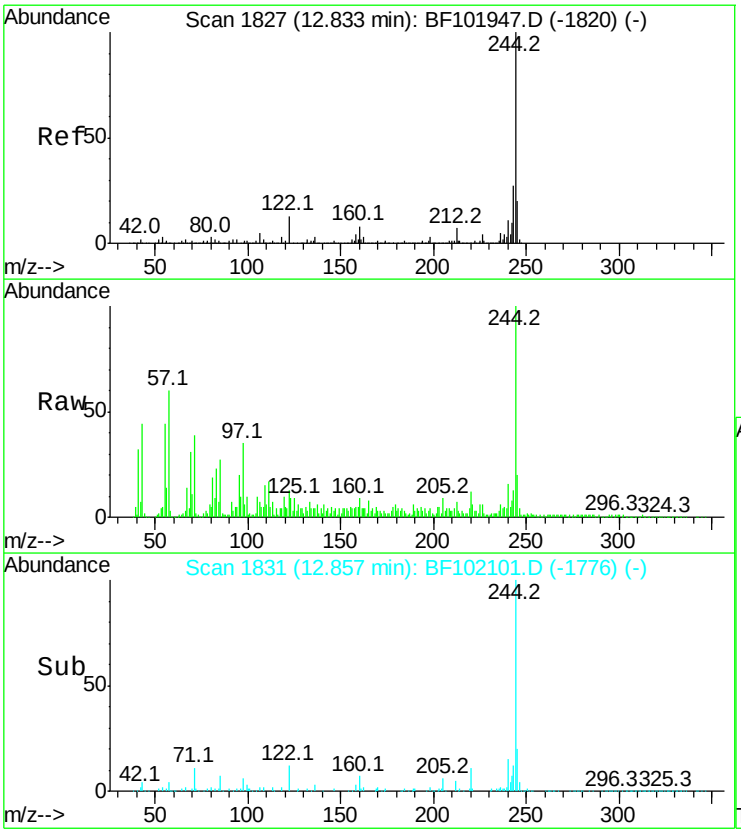
#77
Pyrene
Concen: 19.417 ng
RT: 12.72 min Scan# 1807
Delta R.T. 0.04 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

Tgt Ion:202 Resp: 282933

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	23.8	14.3	21.5#

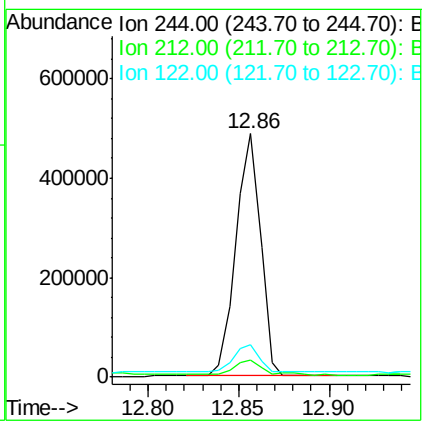


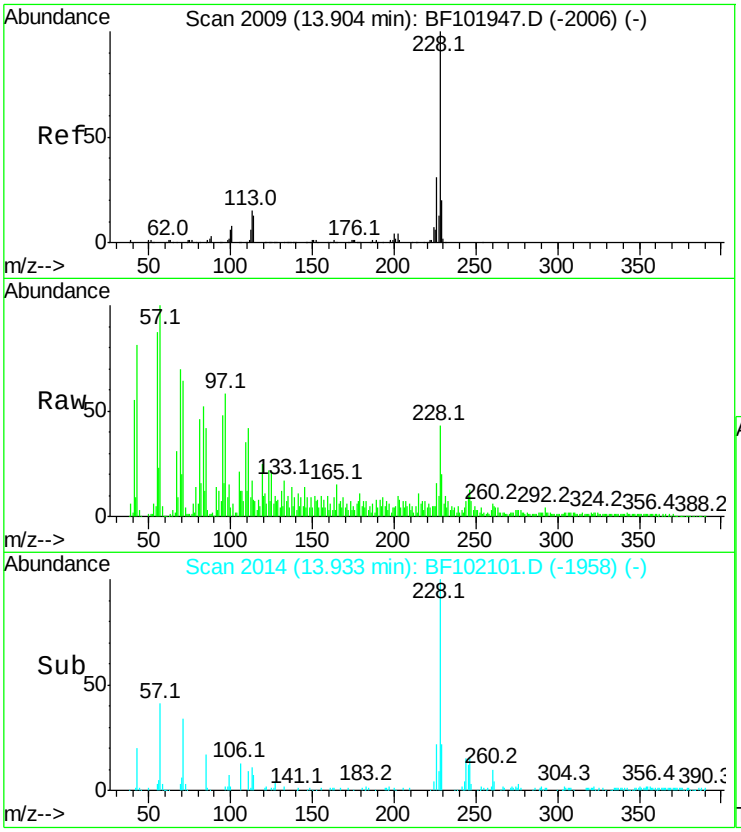


#78
Terphenyl-d14
Concen: 58.106 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.02 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Tgt Ion:244 Resp: 461332

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	13.5	11.0	16.4



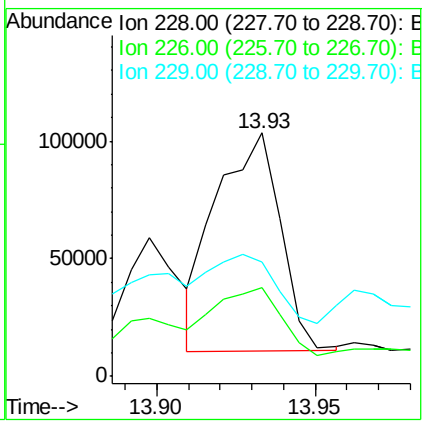


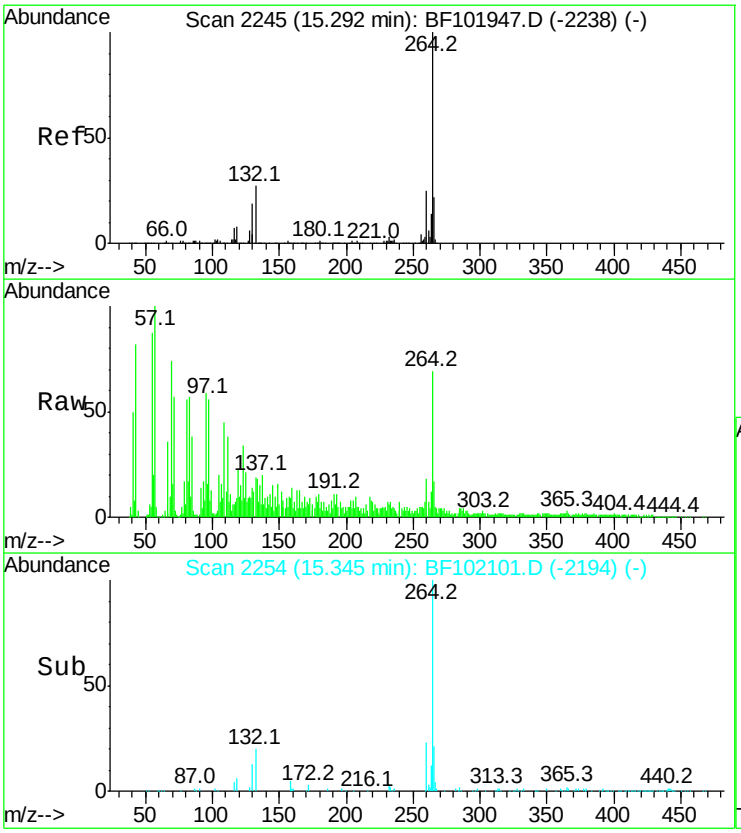
#82
Chrysene
Concen: 11.959 ng
RT: 13.93 min Scan# 2014
Delta R.T. 0.03 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Instrument :
BNA_F
ClientSampleId :
UST-1_14.5-15.0

Tgt Ion:228 Resp: 131159

Ion	Ratio	Lower	Upper
228	100		
226	36.4	25.0	37.6
229	46.8	16.2	24.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.05 min
Lab File: BF102101.D
Acq: 16 Jan 2018 11:33

Tgt Ion:264 Resp: 151277

Ion	Ratio	Lower	Upper
264	100		
260	26.0	19.2	28.8
265	24.8	17.5	26.3