Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021716\
Data File : BE091410.D
Acq On : 17 Feb 2016 18:45
Operator : UM/IZ
Sample : H1445-01DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LIBERTY-SF-005DL

Quant Time: Feb 18 00:00:26 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 00:27:53 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	35894	5.00	ng		-0.01
4) Naphthalene-d8	9.53	136	181214	5.00	ng		-0.01
8) Acenaphthene-d10	13.35	164	120556	5.00	ng		0.00
14) Phenanthrene-d10	16.08	188	287471	5.00	ng		-0.01
18) Chrysene-d12	20.21	240	346771	5.00	ng		0.00
24) Perylene-d12	22.09	264	353819	5.00	ng		0.00
System Monitoring Compounds							
2) 2-Fluorophenol	4.92	112	4912	0.78	ng		-0.03
3) Phenol-d6	6.58	99	7173	0.79	ng		0.00
5) Nitrobenzene-d5	8.19	82	3903	0.59	ng		0.02
9) 2,4,6-Tribromophenol	14.89	330	2113	0.68	ng		-0.01
10) 2-Fluorobiphenyl	12.00	172	12983	0.41	ng		0.00
20) Terphenyl-d14	18.61	244	23133	0.45	ng		0.00
Target Compounds							Qvalue
6) Naphthalene	9.58	128	3617	0.09	ng	#	88
7) 2-Methylnaphthalene	11.12	142	6770	0.39	ng		96
11) Acenaphthylene	13.09	152	57535	0.44	ng		99
12) Acenaphthene	13.41	154	12280	0.37	ng		96
13) Fluorene	14.40	166	41385	0.97	ng		98
15) Phenanthrene	16.12	178	325536	4.31	ng		99
16) Anthracene	16.12	178	324911	5.14	ng		99
17) Fluoranthene	18.08	202	271363	3.46	ng		99
19) Pyrene	18.47	202	243095	3.24	ng		99
21) Benzo(a)anthracene	20.18	228	96584	1.38	ng		96
22) Chrysene	20.24	228	98246	1.09	ng		96
23) Indeno(1,2,3-cd)pyrene	23.68	276	34795	0.59	ng		99
25) Benzo(b)fluoranthene	21.54	252	53922	0.74	ng	#	93
26) Benzo(k)fluoranthene	21.56	252	62768	0.73	ng	#	92
27) Benzo(a)pyrene	21.99	252	69064	0.99	ng	#	94
28) Dibenzo(a,h)anthracene	23.63	278	12740	0.40	ng	#	77
29) Benzo(g,h,i)perylene	24.23	276	34430	0.52	ng		93

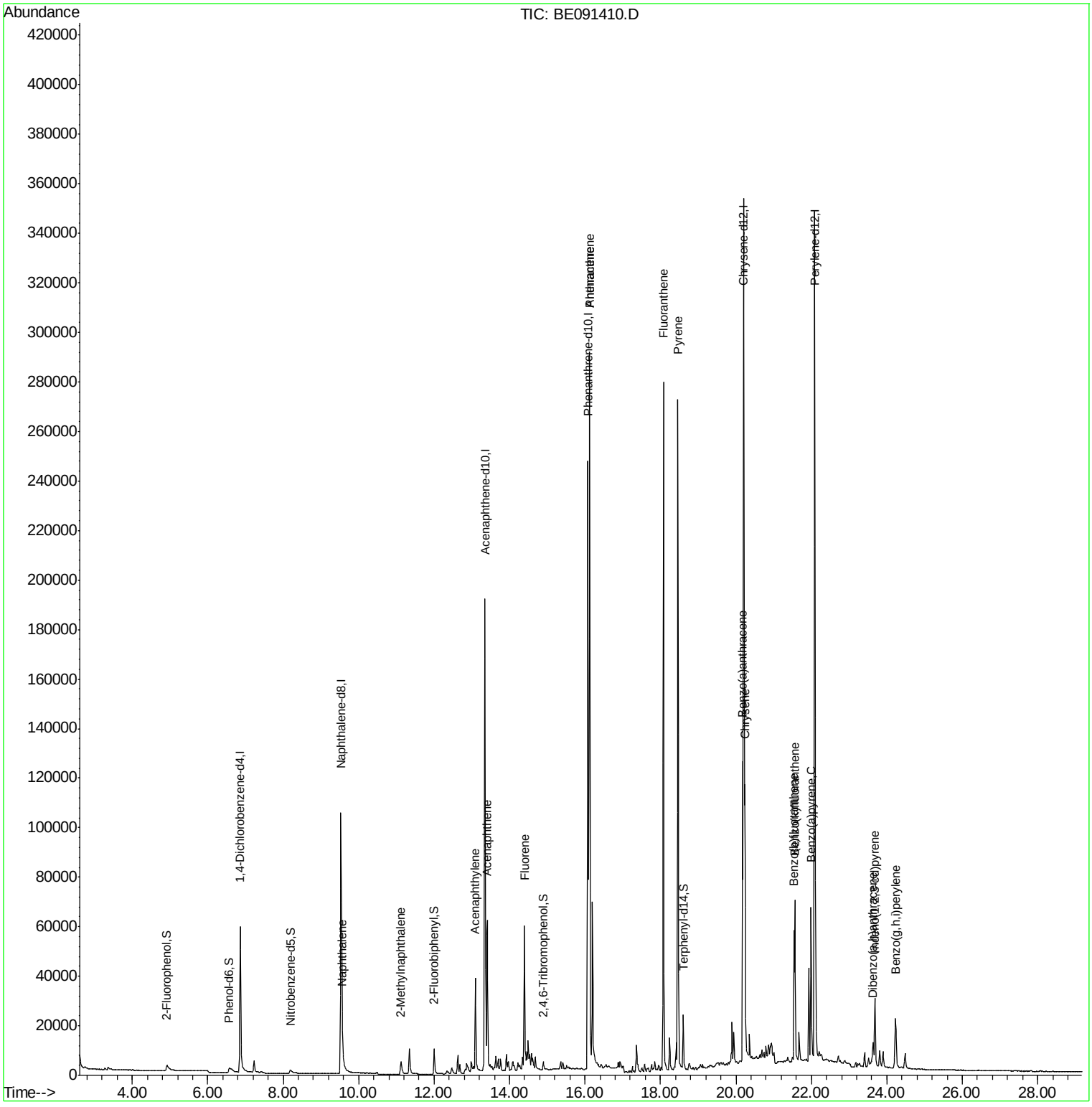
(#) = qualifier out of range (m) = manual integration (+) = signals summed

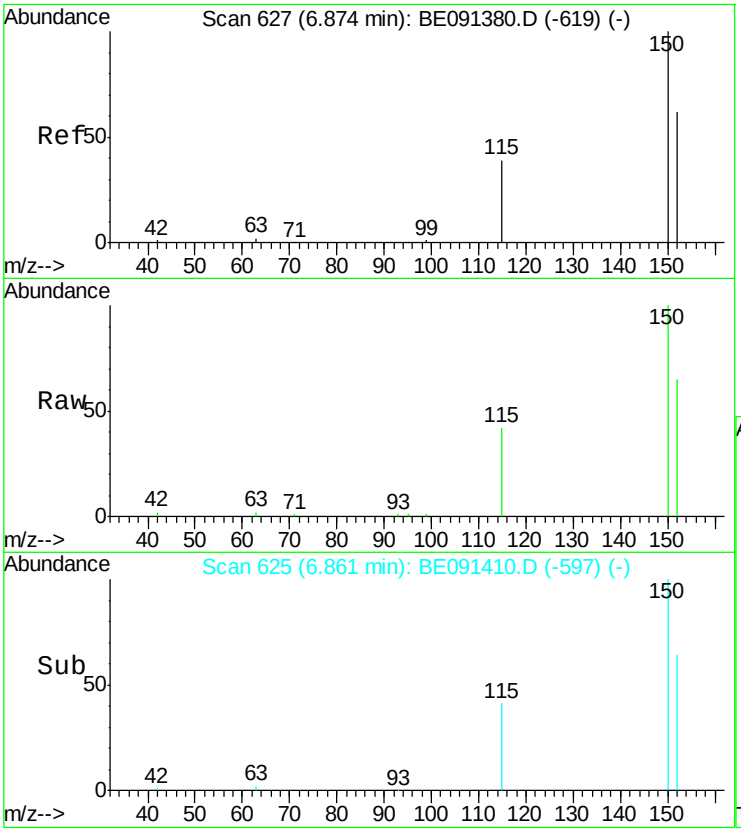
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021716\
Data File : BE091410.D
Acq On : 17 Feb 2016 18:45
Operator : UM/IZ
Sample : H1445-01DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Quant Time: Feb 18 00:00:26 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE020216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 00:27:53 2016
Response via : Initial Calibration



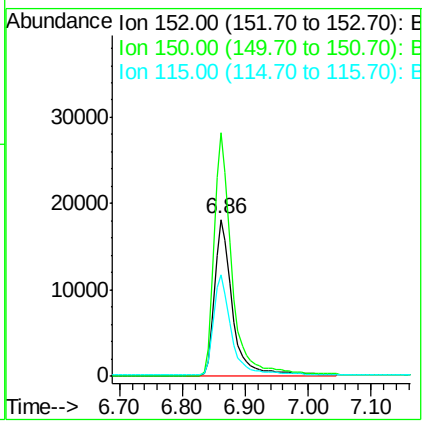


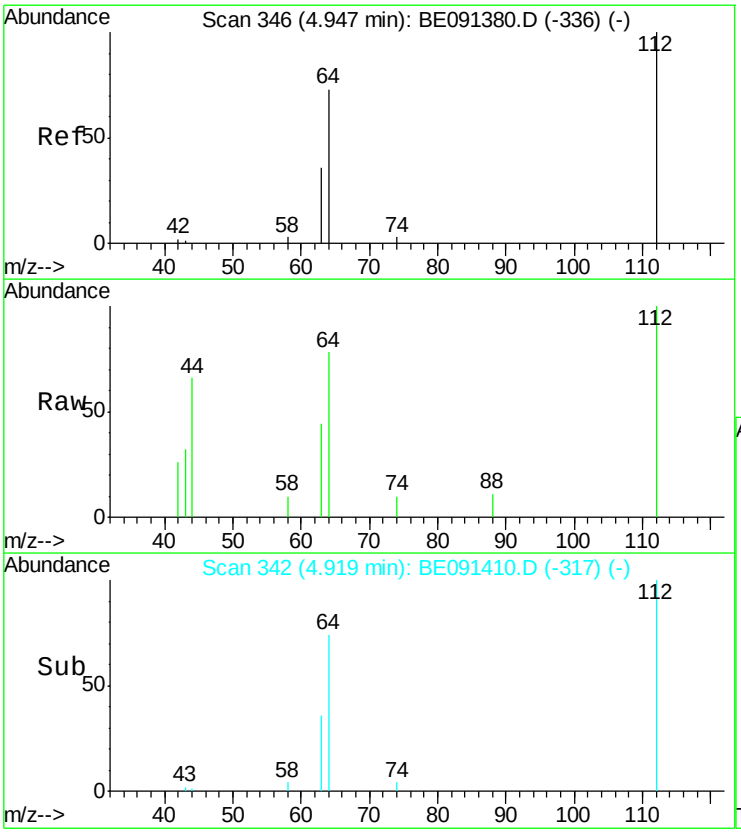
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.86 min Scan# 625
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:152 Resp: 35894

Ion	Ratio	Lower	Upper
152	100		
150	155.0	128.9	193.3
115	64.4	50.9	76.3

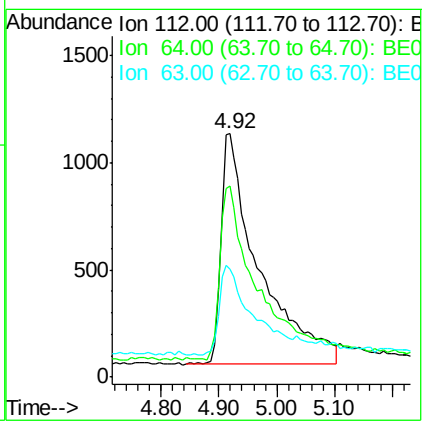


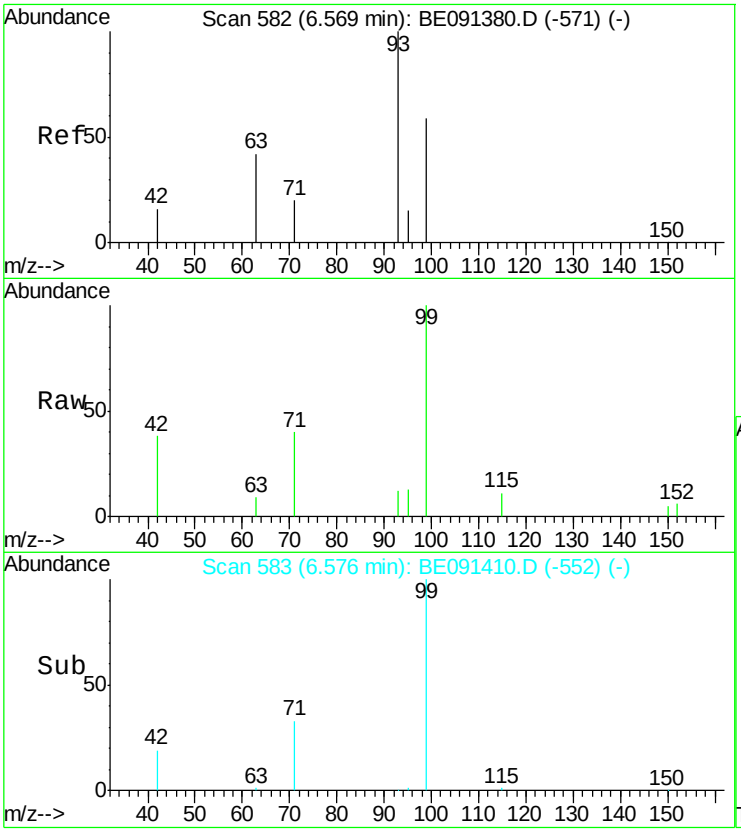


#2
2-Fluorophenol
Concen: 0.78 ng
RT: 4.92 min Scan# 342
Delta R.T. -0.03 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:112 Resp: 4912

Ion	Ratio	Lower	Upper
112	100		
64	75.2	60.5	90.7
63	34.2	29.8	44.8



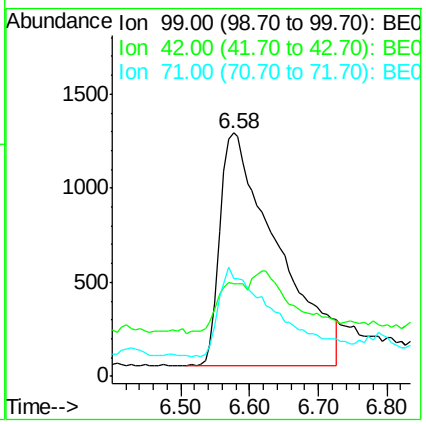


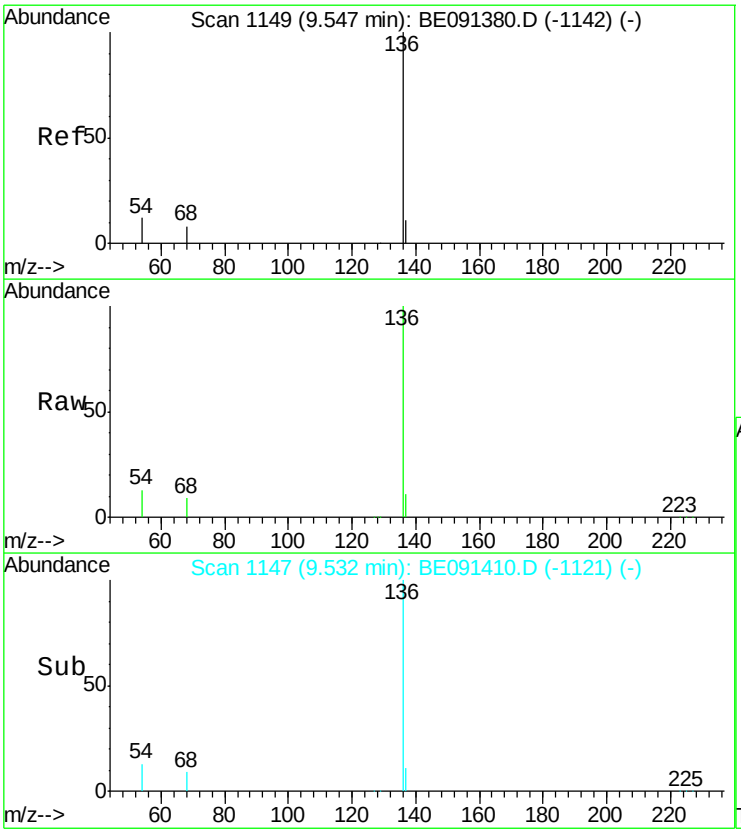
#3
Phenol-d6
Concen: 0.79 ng
RT: 6.58 min Scan# 583
Delta R.T. 0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion: 99 Resp: 7173

Ion	Ratio	Lower	Upper
99	100		
42	10.6	13.3	19.9#
71	37.6	25.6	38.4

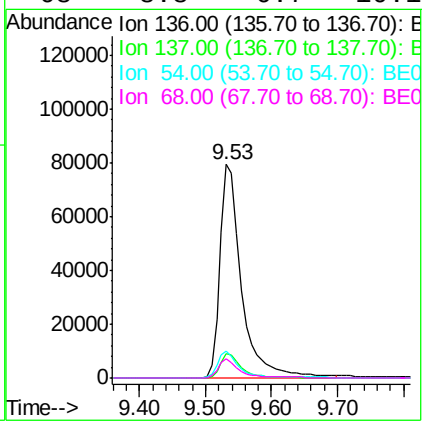


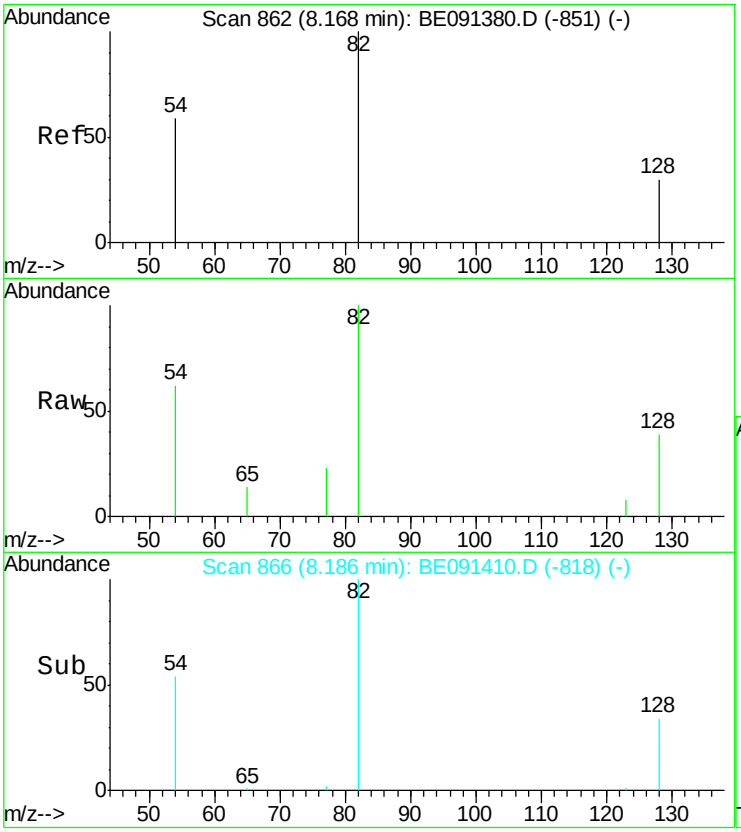


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 9.53 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:136 Resp: 181214

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	12.9	9.3	13.9
68	8.8	6.7	10.1



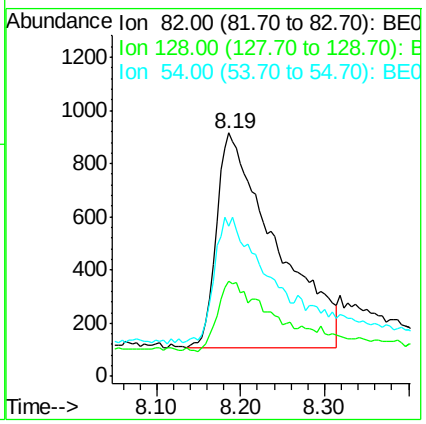


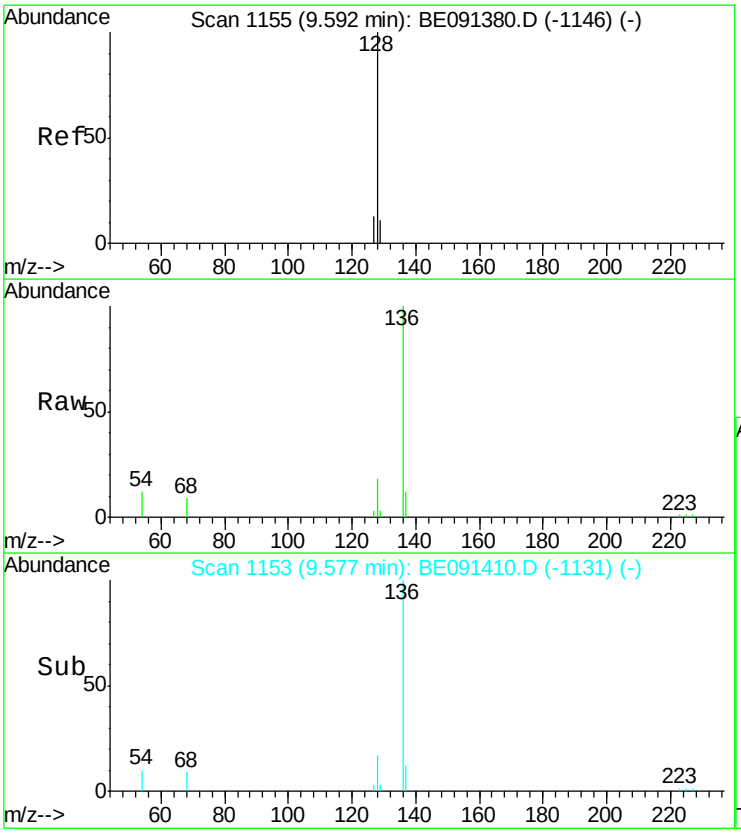
#5
Nitrobenzene-d5
Concen: 0.59 ng
RT: 8.19 min Scan# 866
Delta R.T. 0.02 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion: 82 Resp: 3903

Ion	Ratio	Lower	Upper
82	100		
128	39.3	25.0	37.4#
54	61.7	48.1	72.1

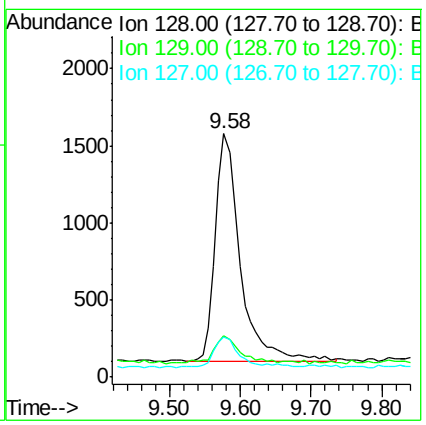


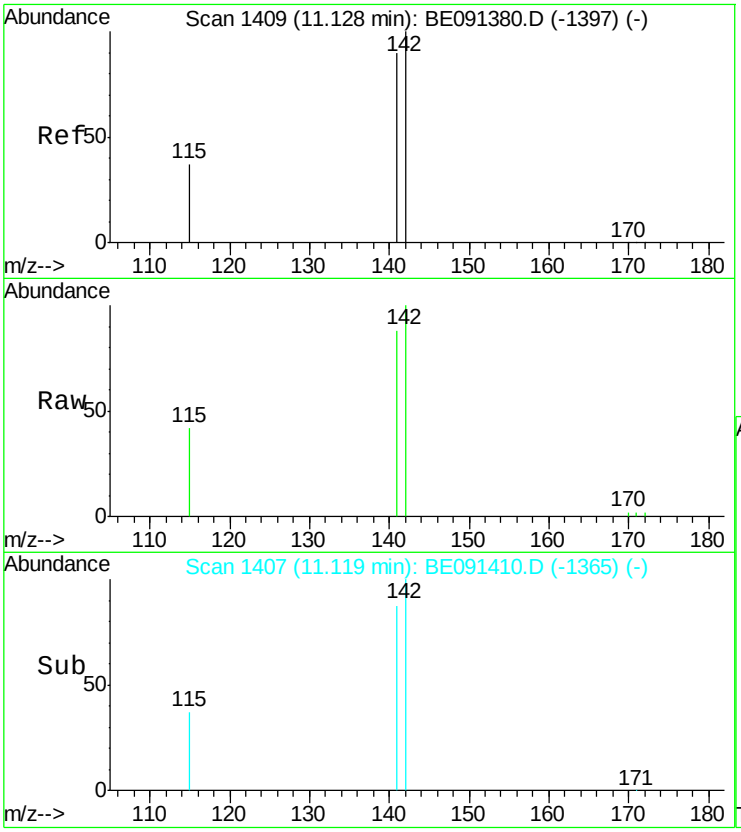


#6
Naphthalene
Concen: 0.09 ng
RT: 9.58 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:128 Resp: 3617

Ion	Ratio	Lower	Upper
128	100		
129	17.2	9.1	13.7#
127	16.5	10.5	15.7#



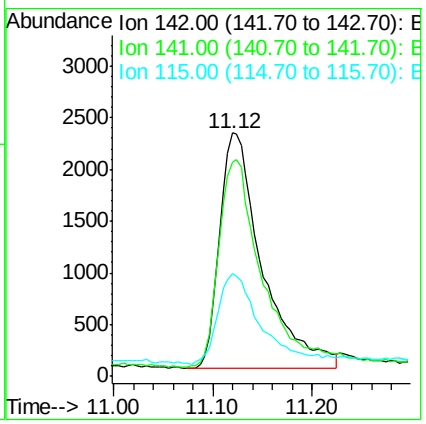


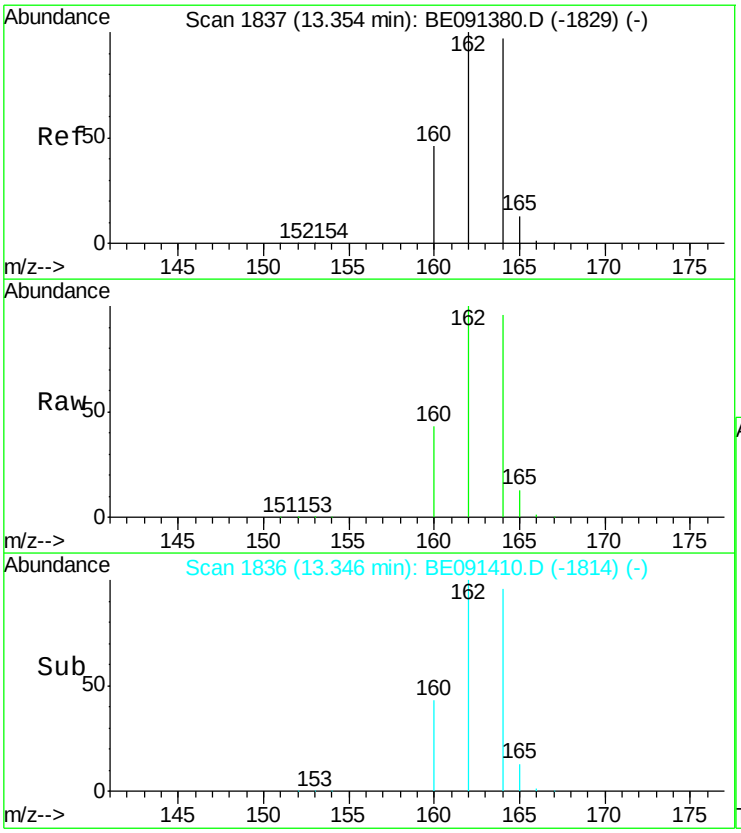
#7
2-Methylnaphthalene
Concen: 0.39 ng
RT: 11.12 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:142 Resp: 6770

Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.3	108.5
115	42.5	30.5	45.7

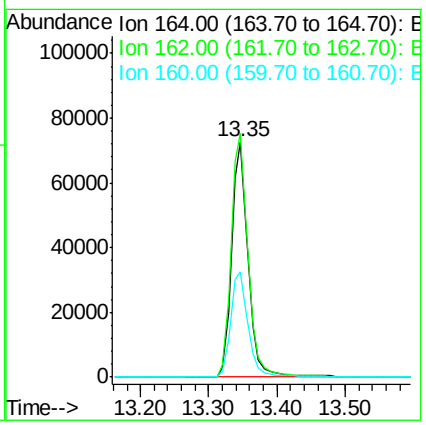


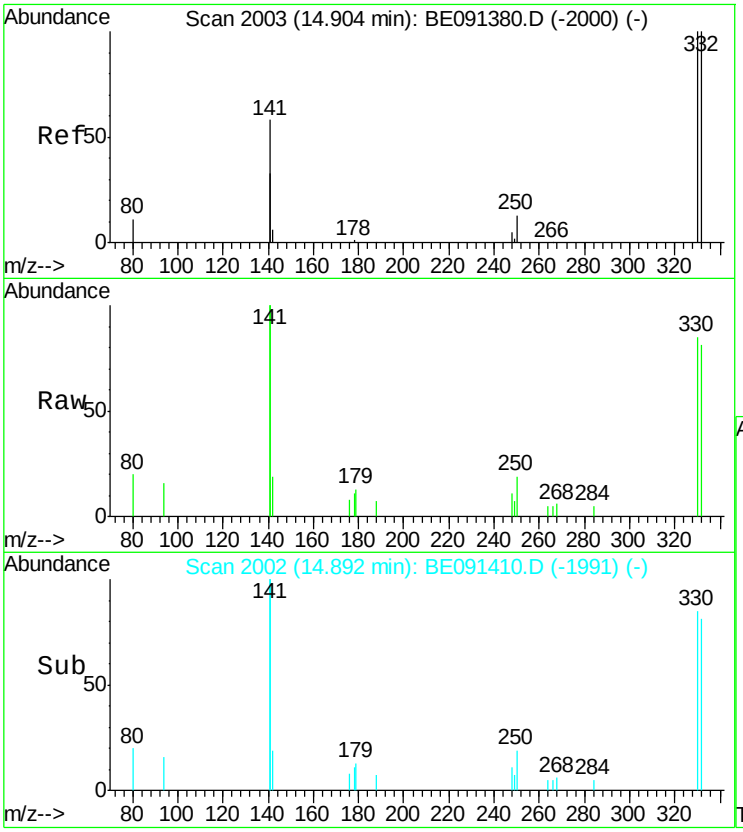


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.35 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:164 Resp: 120556

Ion	Ratio	Lower	Upper
164	100		
162	103.7	82.2	123.2
160	44.7	37.8	56.8



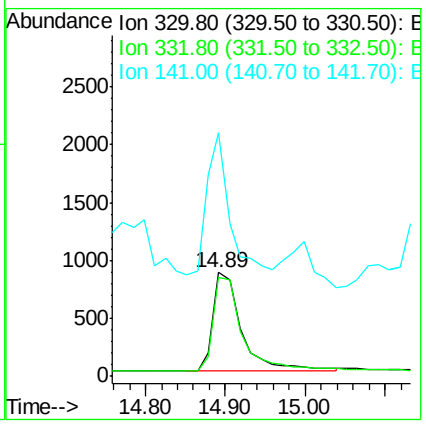


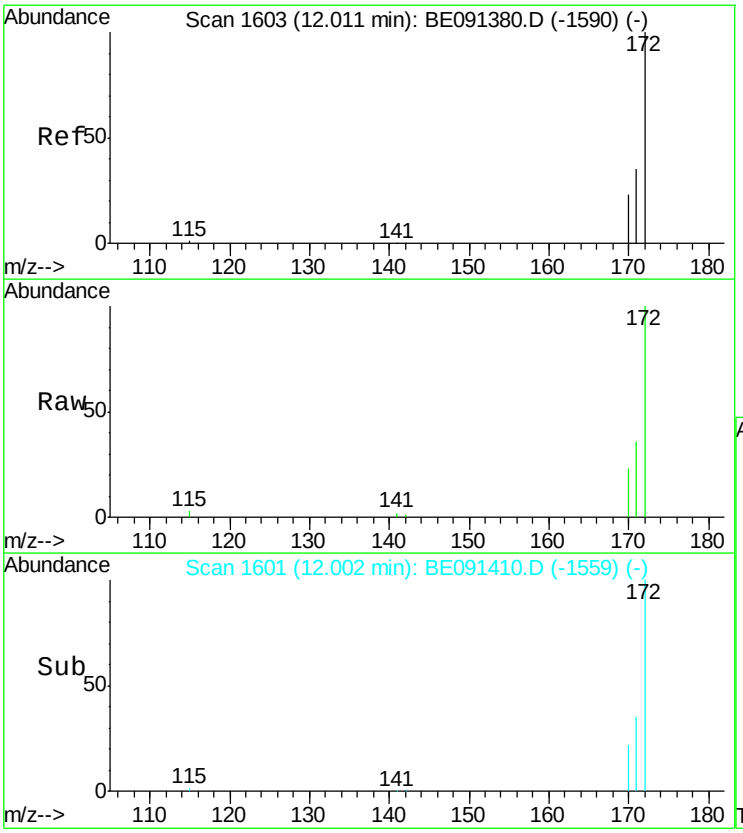
#9
2,4,6-Tribromophenol
Concen: 0.68 ng
RT: 14.89 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:330 Resp: 2113

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.8	118.2
141	114.4	105.1	157.7

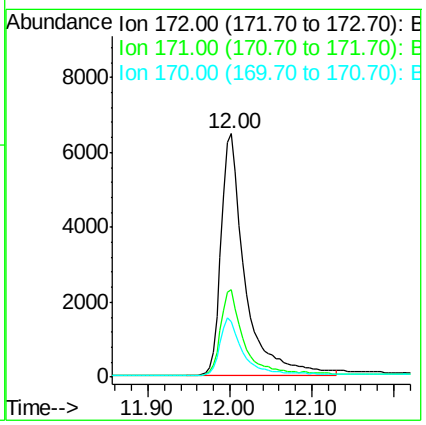


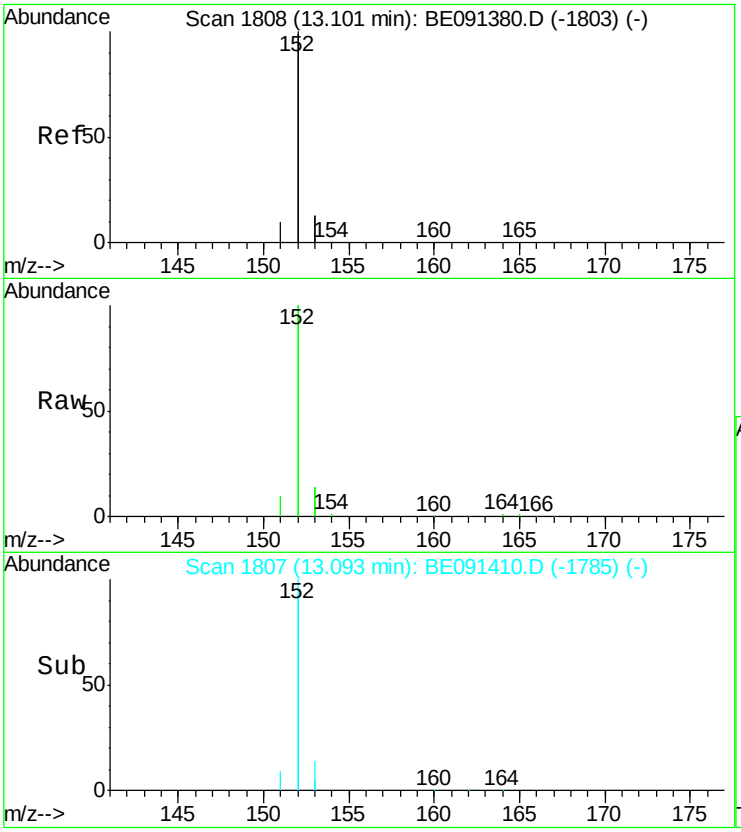


#10
2-Fluorobiphenyl
Concen: 0.41 ng
RT: 12.00 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:172 Resp: 12983

Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.8	41.8
170	23.0	18.6	28.0



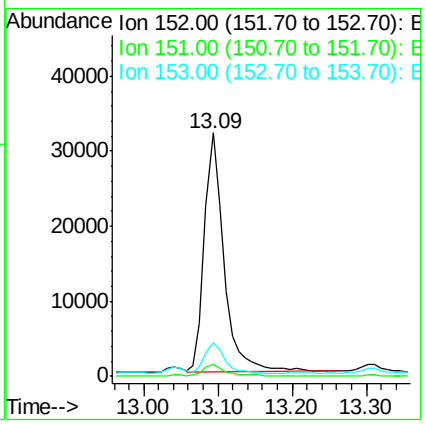


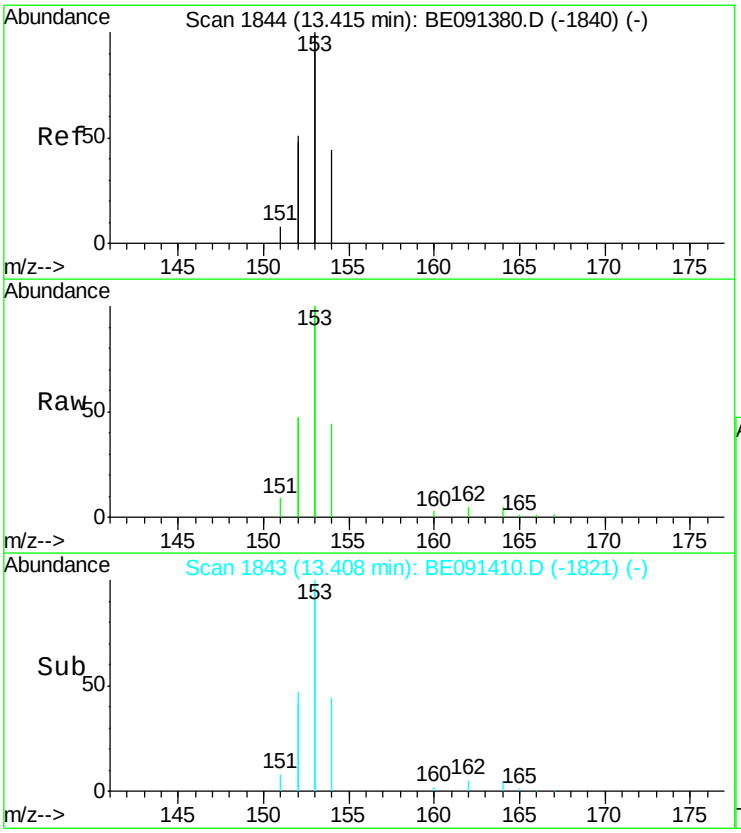
#11
Acenaphthylene
Concen: 0.44 ng
RT: 13.09 min Scan# 1807
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:152 Resp: 57535

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	12.5	10.2	15.4

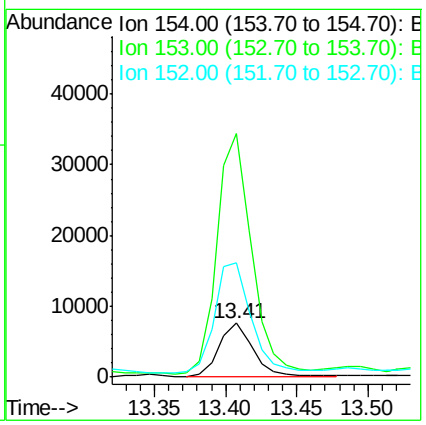


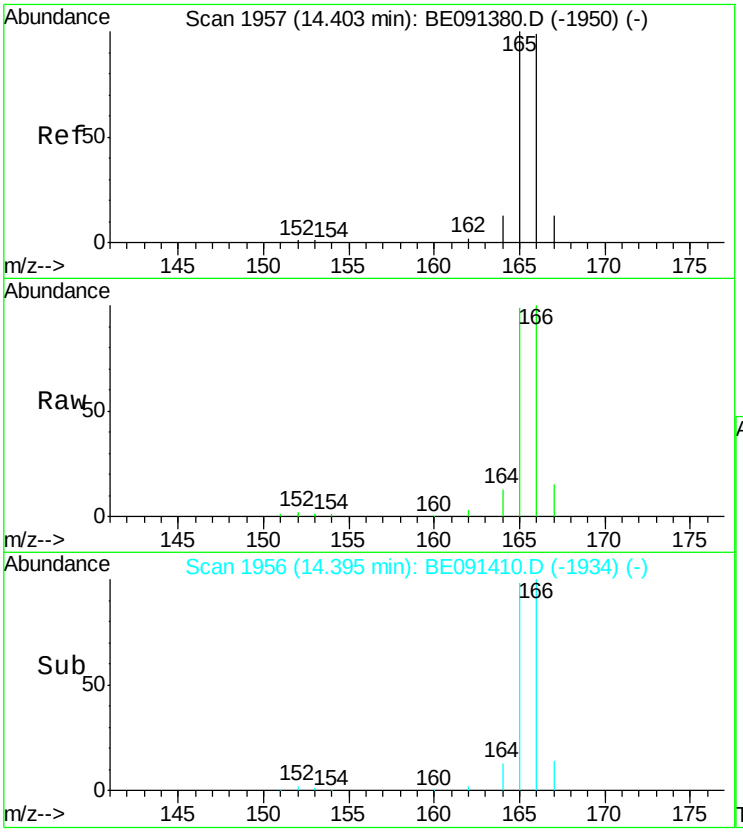


#12
Acenaphthene
Concen: 0.37 ng
RT: 13.41 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:154 Resp: 12280

Ion	Ratio	Lower	Upper
154	100		
153	464.3	369.8	554.8
152	226.9	194.4	291.6



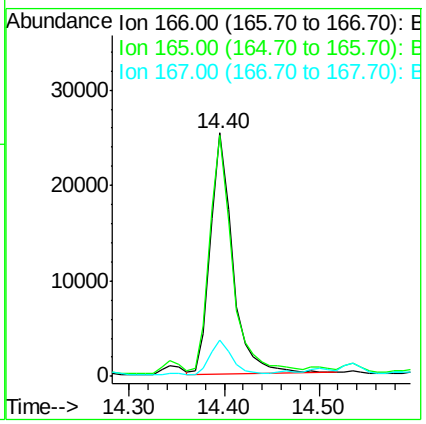


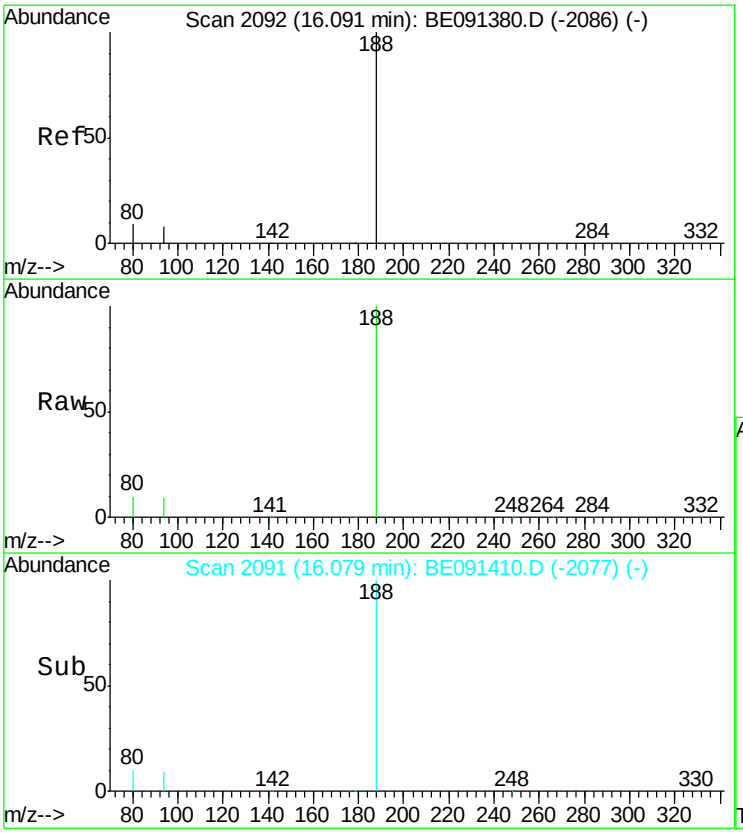
#13
Fluorene
Concen: 0.97 ng
RT: 14.40 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:166 Resp: 41385

Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.3	118.9
167	13.3	10.6	16.0

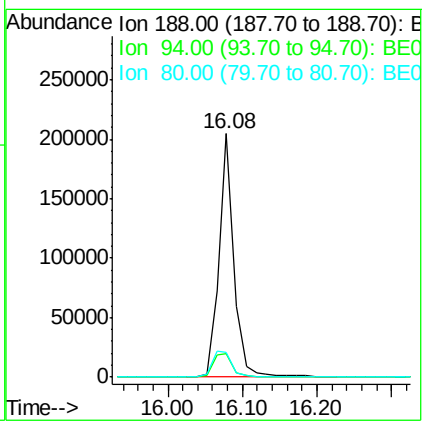


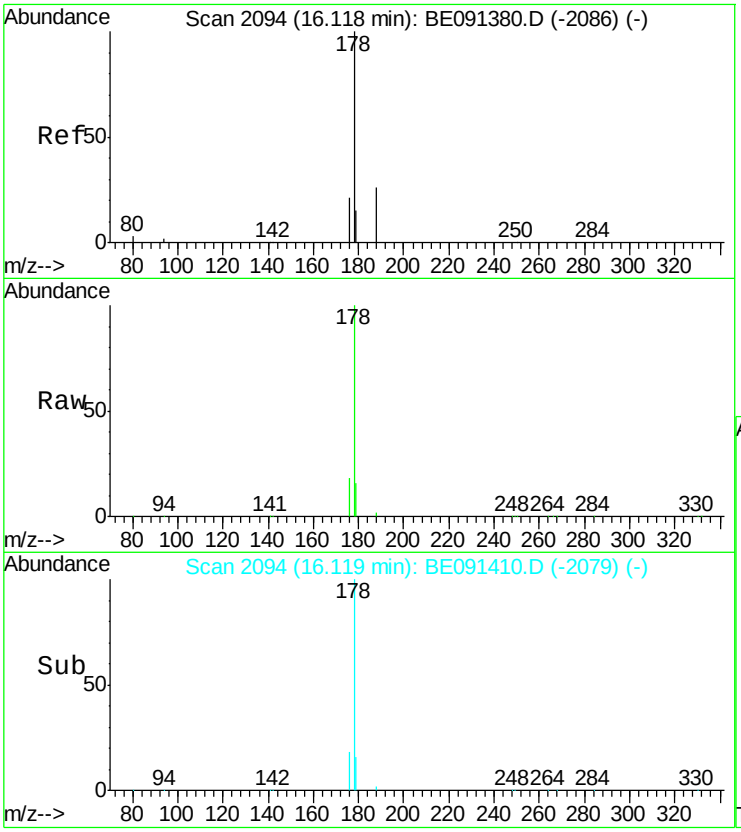


#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.08 min Scan# 2091
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:188 Resp: 287471

Ion	Ratio	Lower	Upper
188	100		
94	9.5	6.6	10.0
80	10.3	7.0	10.6



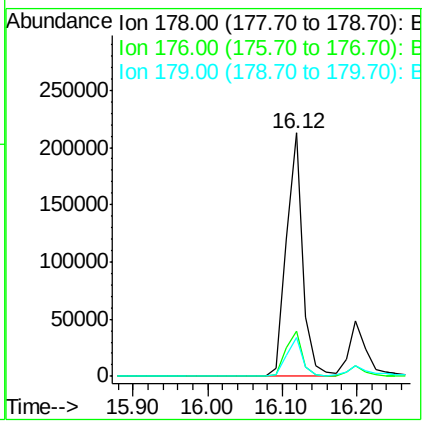


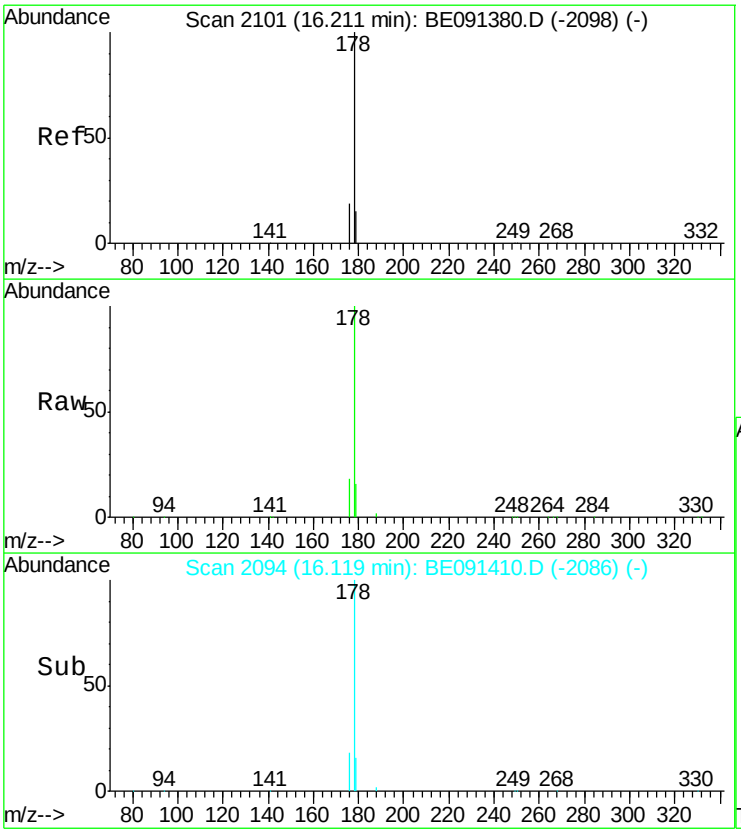
#15
Phenanthrene
Concen: 4.31 ng
RT: 16.12 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:178 Resp: 325536

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.6	12.7	19.1

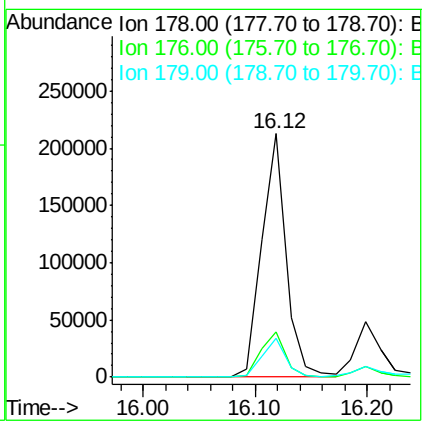


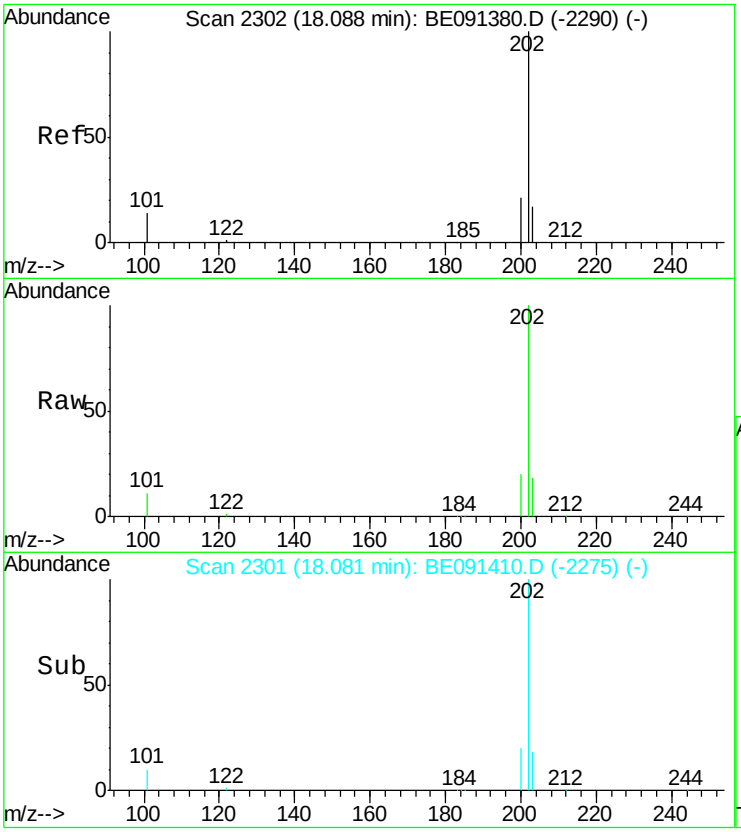


#16
Anthracene
Concen: 5.14 ng
RT: 16.12 min Scan# 2094
Delta R.T. -0.09 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:178 Resp: 324911

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.8	22.2
179	15.6	12.1	18.1



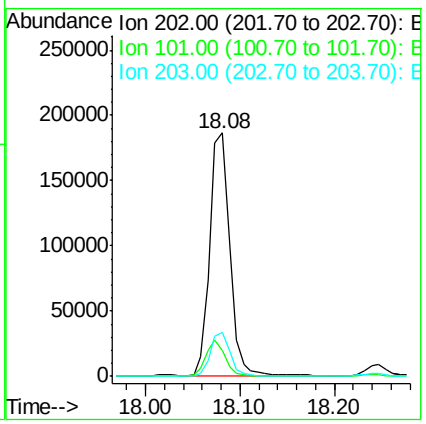


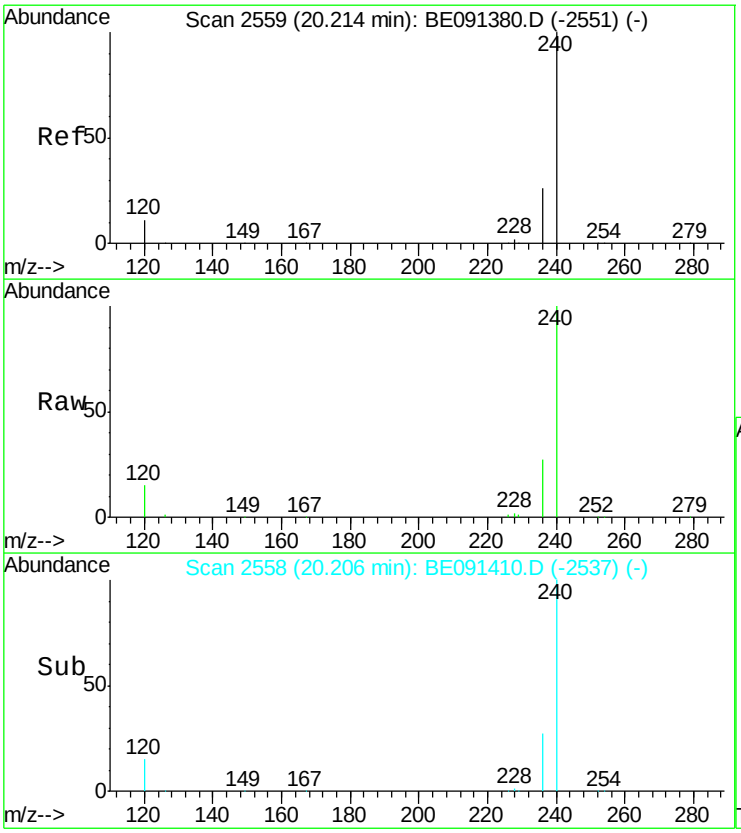
#17
Fluoranthene
Concen: 3.46 ng
RT: 18.08 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:202 Resp: 271363

Ion	Ratio	Lower	Upper
202	100		
101	13.9	10.5	15.7
203	17.6	13.9	20.9

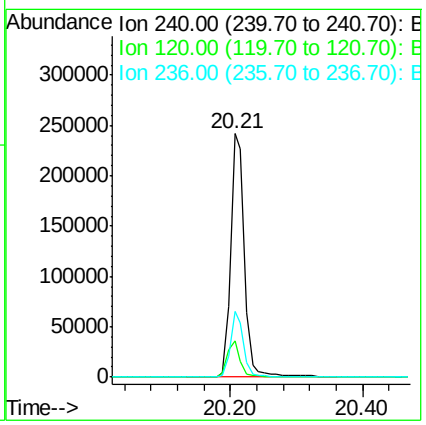


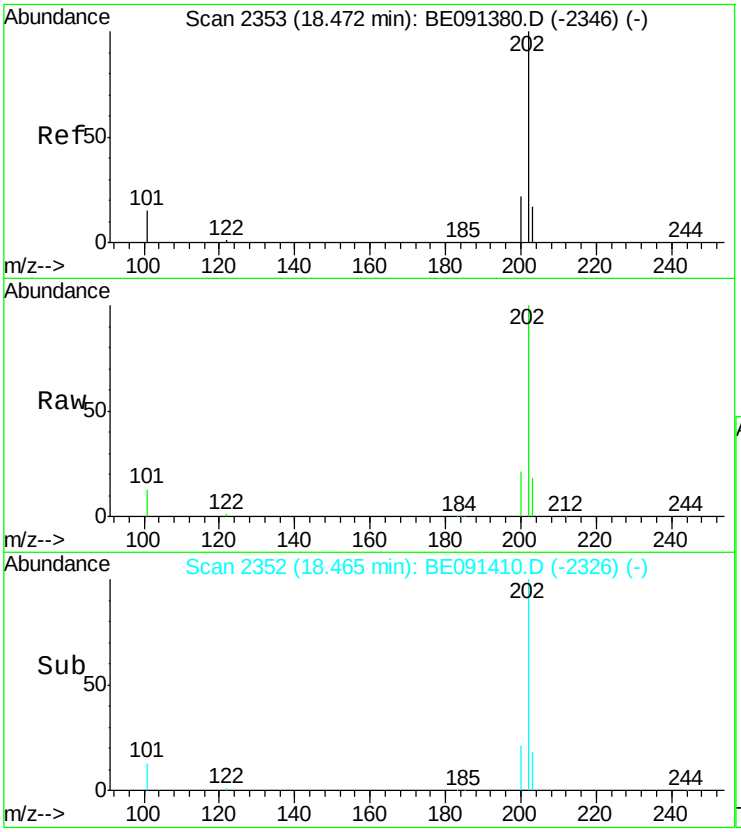


#18
Chrysene-d12
Concen: 5.00 ng
RT: 20.21 min Scan# 2558
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:240 Resp: 346771

Ion	Ratio	Lower	Upper
240	100		
120	14.7	8.9	13.3#
236	26.8	21.0	31.4



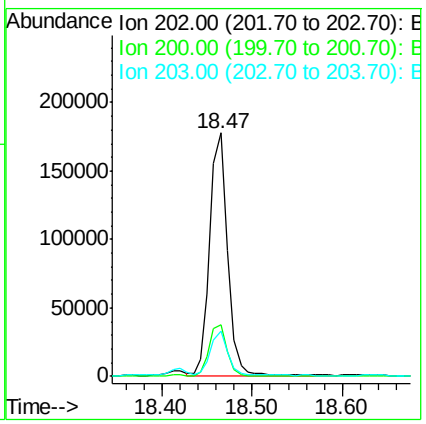


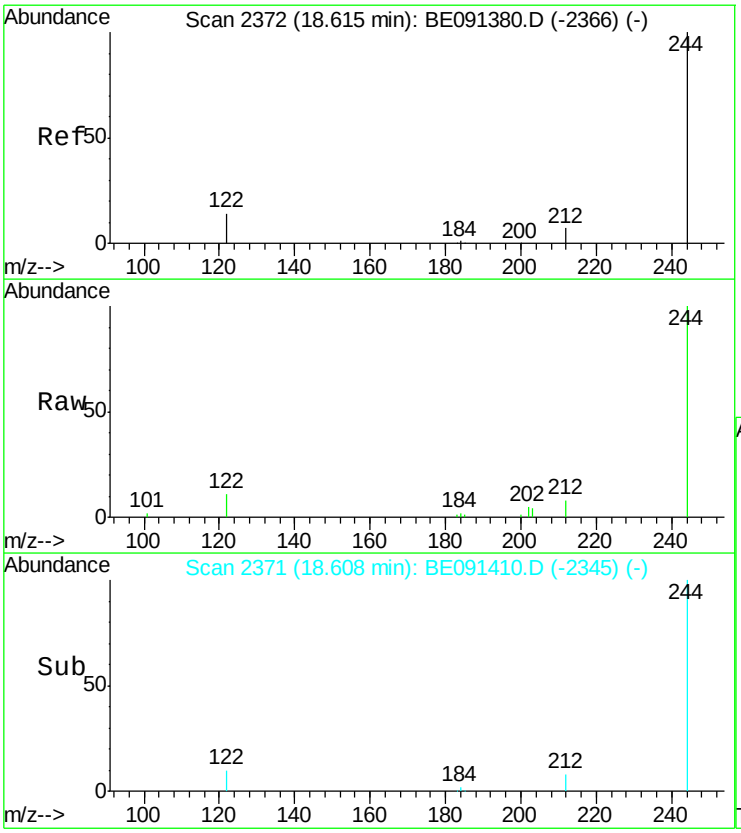
#19
Pyrene
Concen: 3.24 ng
RT: 18.47 min Scan# 2352
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:202 Resp: 243095

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	17.4	14.0	21.0

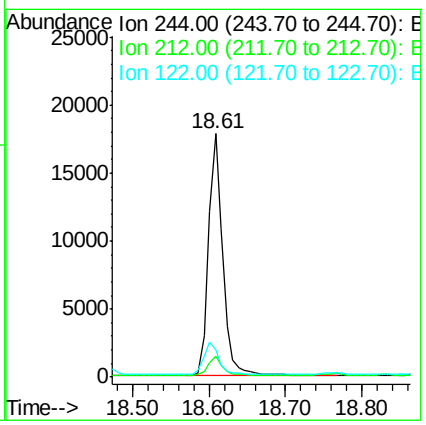


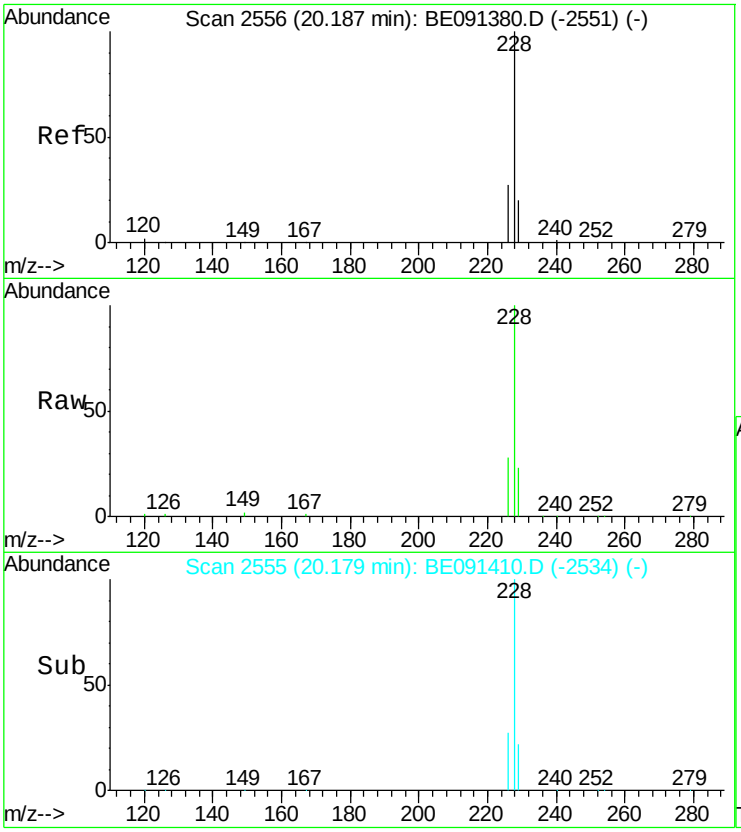


#20
Terphenyl-d14
Concen: 0.45 ng
RT: 18.61 min Scan# 2371
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:244 Resp: 23133

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.1	9.1
122	11.2	11.0	16.6



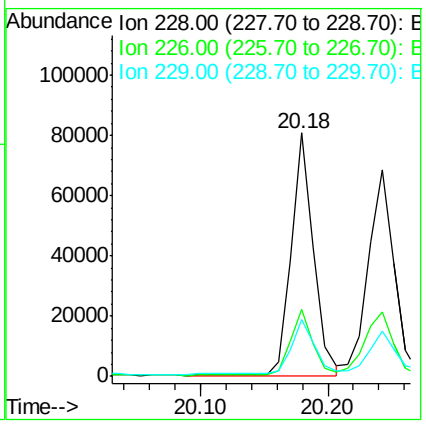


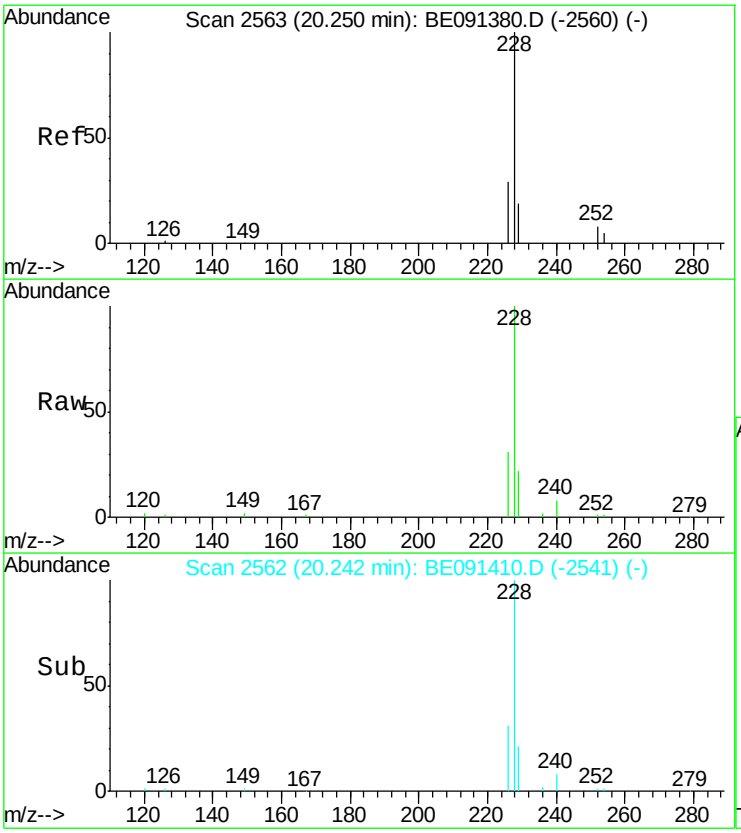
#21
Benzo(a)anthracene
Concen: 1.38 ng
RT: 20.18 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:228 Resp: 96584

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.7	32.5
229	23.3	16.1	24.1

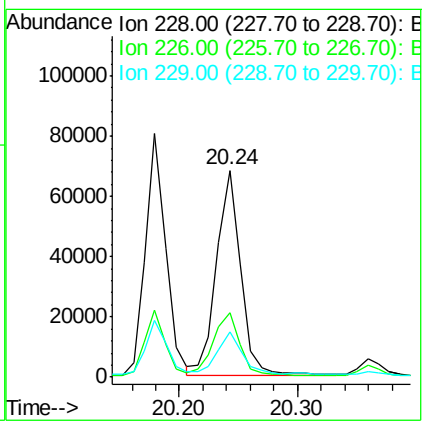


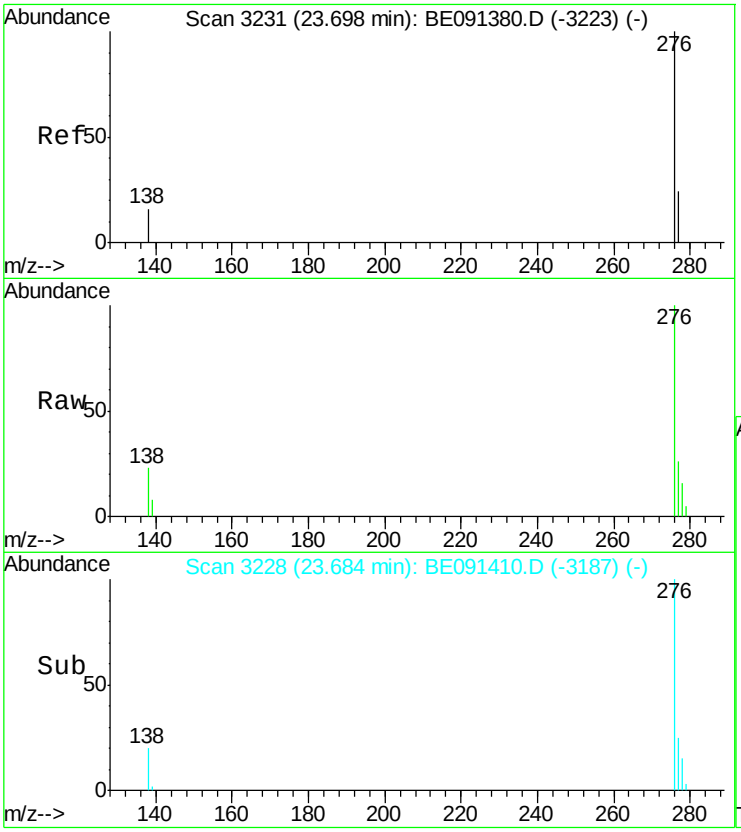


#22
Chrysene
Concen: 1.09 ng
RT: 20.24 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:228 Resp: 98246

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.4	35.0
229	21.6	15.7	23.5



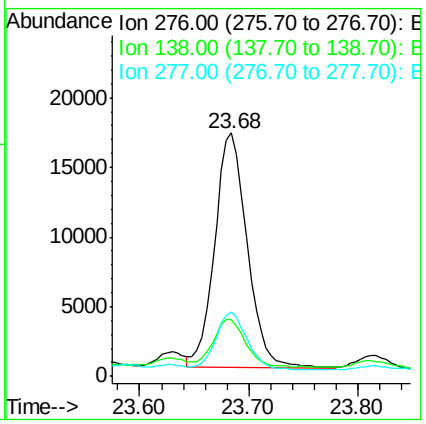


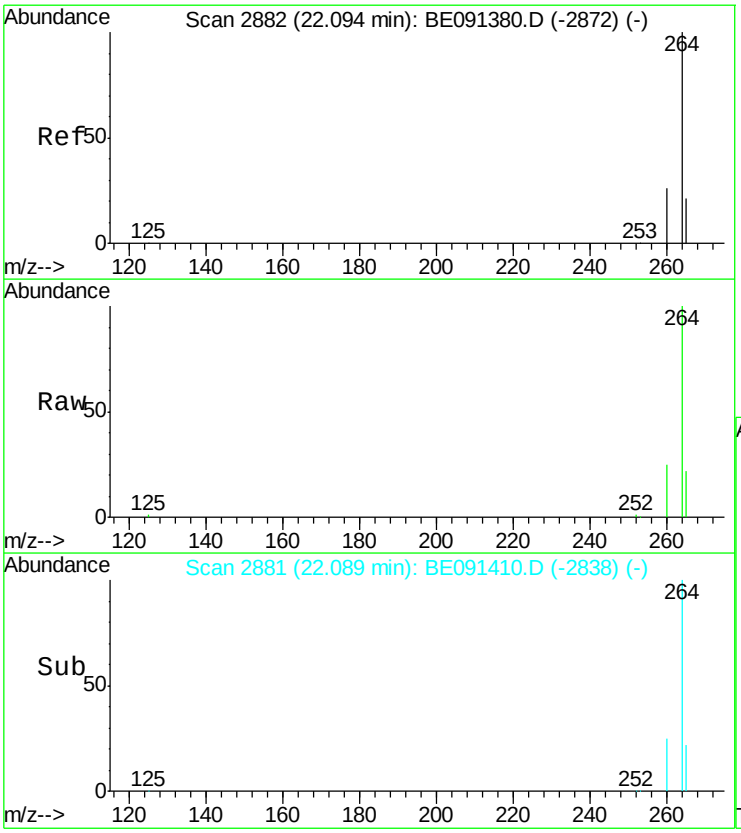
#23
Indeno(1,2,3-cd)pyrene
Concen: 0.59 ng
RT: 23.68 min Scan# 3228
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:276 Resp: 34795

Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.6	25.0
277	23.3	19.0	28.6

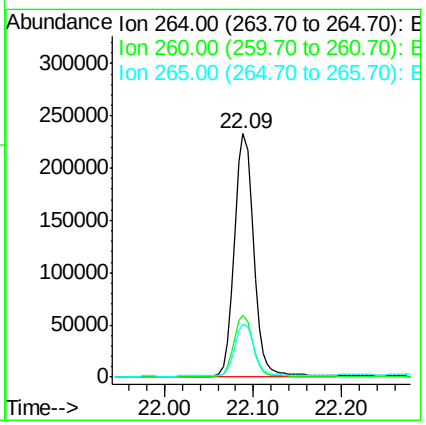


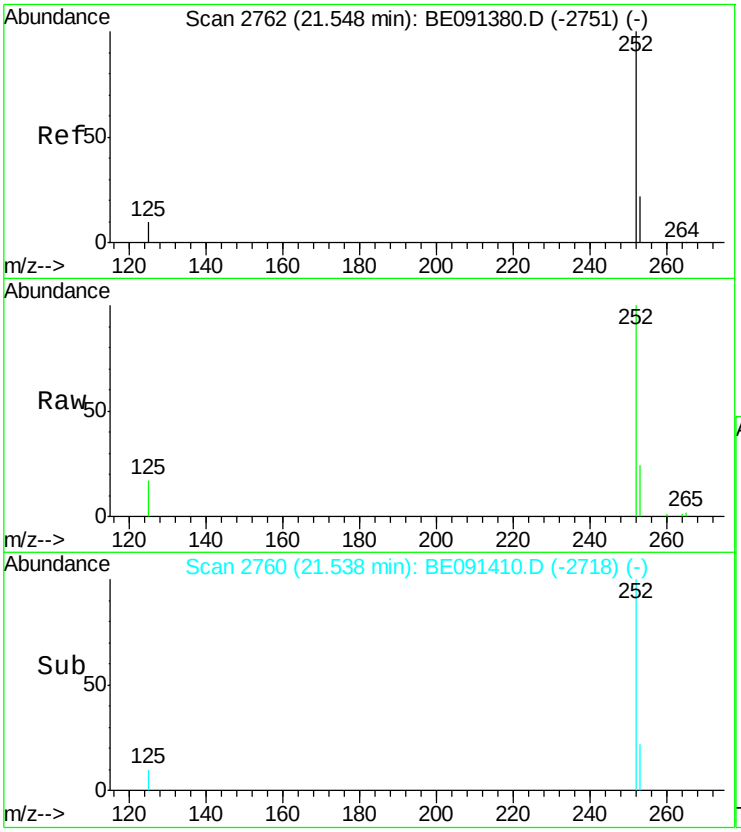


#24
Perylene-d12
Concen: 5.00 ng
RT: 22.09 min Scan# 2881
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:264 Resp: 353819

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.7	31.1
265	21.9	17.2	25.8



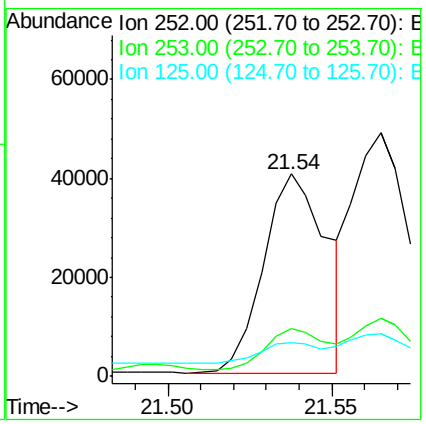


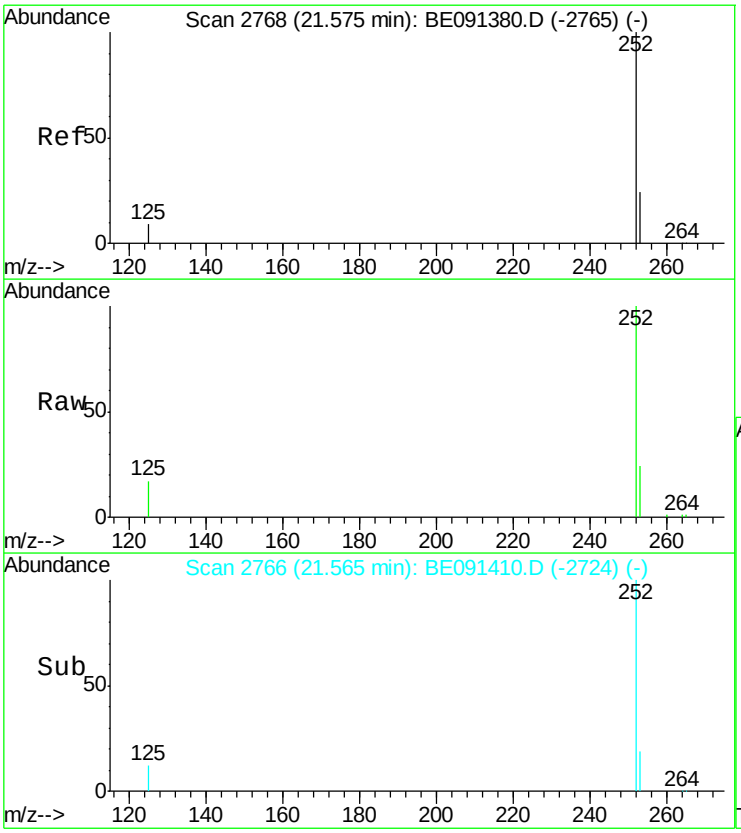
#25
Benzo(b)fluoranthene
Concen: 0.74 ng
RT: 21.54 min Scan# 2760
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:252 Resp: 53922

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	16.6	8.3	12.5#

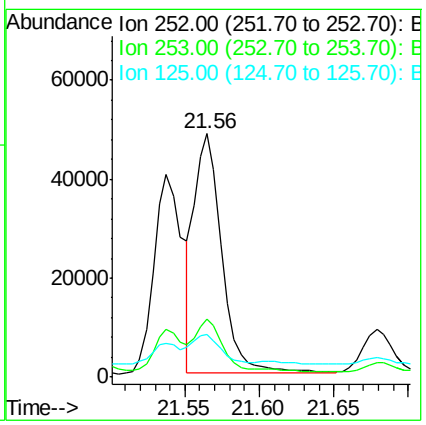


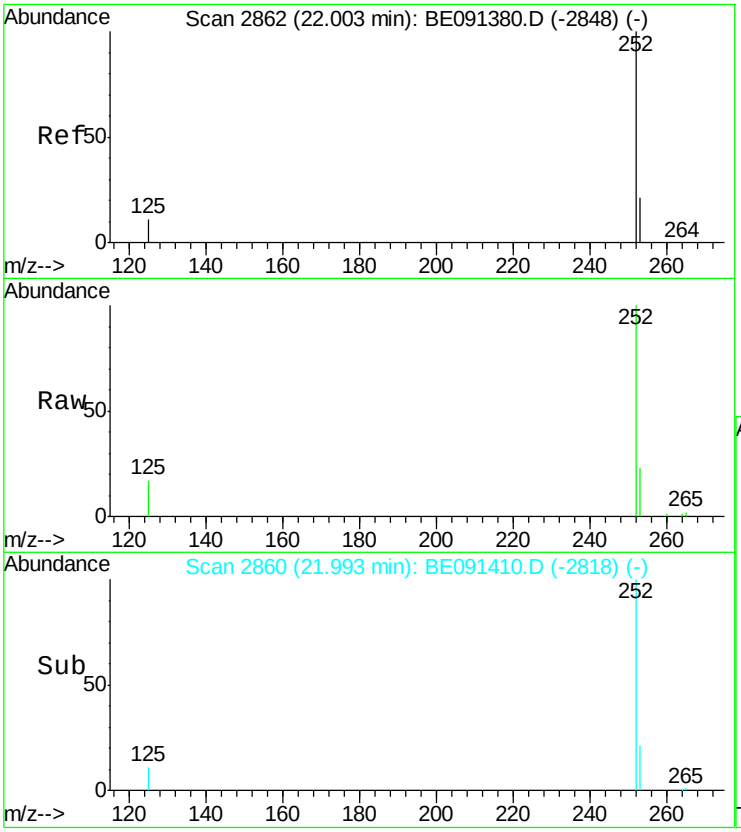


#26
Benzo(k)fluoranthene
Concen: 0.73 ng
RT: 21.56 min Scan# 2766
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:252 Resp: 62768

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	17.4	8.2	12.4#



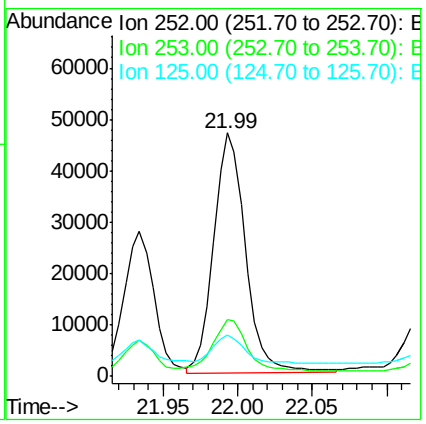


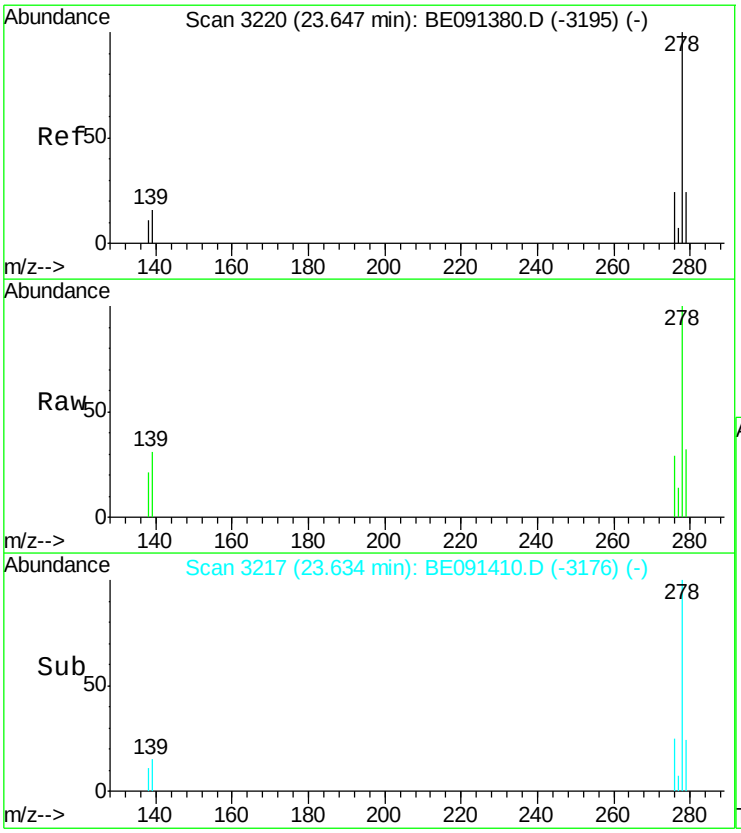
#27
Benzo(a)pyrene
Concen: 0.99 ng
RT: 21.99 min Scan# 2860
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:252 Resp: 69064

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	16.7	9.4	14.0#

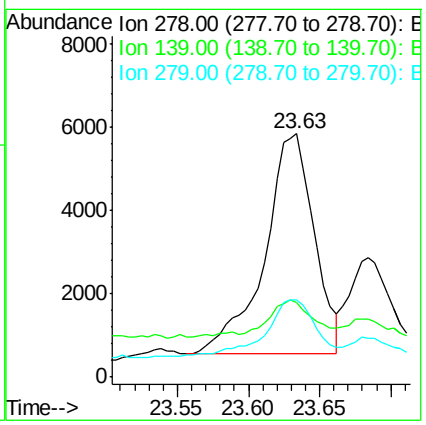


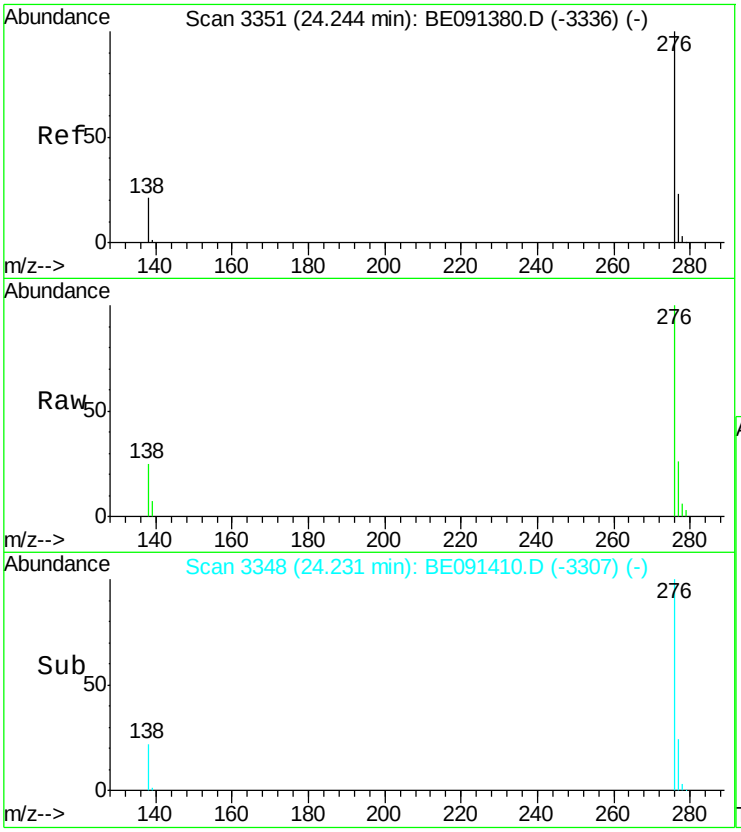


#28
Dibenzo(a,h)anthracene
Concen: 0.40 ng
RT: 23.63 min Scan# 3217
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Tgt Ion:278 Resp: 12740

Ion	Ratio	Lower	Upper
278	100		
139	30.7	13.0	19.4#
279	32.0	19.2	28.8#





#29
Benzo(g,h,i)perylene
Concen: 0.52 ng
RT: 24.23 min Scan# 3348
Delta R.T. -0.01 min
Lab File: BE091410.D
Acq: 17 Feb 2016 18:45

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005DL

Tgt Ion:276 Resp: 34430

Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.9	28.3
138	25.5	17.0	25.6