Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021716\
Data File : BE091409.D
Acq On : 17 Feb 2016 18:06
Operator : UM/IZ
Sample : H1445-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LIBERTY-SF-005MSD

Quant Time: Feb 18 00:00:10 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	6.85	152	40123	5.00	ng		-0.02
4) Naphthalene-d8	9.52	136	200145	5.00	ng		-0.02
8) Acenaphthene-d10	13.34	164	128081	5.00	ng		-0.02
14) Phenanthrene-d10	16.08	188	285980	5.00	ng		-0.01
18) Chrysene-d12	20.21	240	333064	5.00	ng		0.00
24) Perylene-d12	22.09	264	343875	5.00	ng		0.00
System Monitoring Compounds							
2) 2-Fluorophenol	4.89	112	81064	8.49	ng		-0.06
3) Phenol-d6	6.51	99	115893	8.57	ng		-0.06
5) Nitrobenzene-d5	8.12	82	74585	5.59	ng		-0.05
9) 2,4,6-Tribromophenol	14.88	330	55885	8.88	ng		-0.03
10) 2-Fluorobiphenyl	11.97	172	172600	5.18	ng		-0.04
20) Terphenyl-d14	18.60	244	271589	5.51	ng		-0.02
Target Compounds							Qvalue
6) Naphthalene	9.56	128	223340	4.95	ng		99
7) 2-Methylnaphthalene	11.09	142	155010	5.50	ng		98
11) Acenaphthylene	13.08	152	1134418	5.07	ng		99
12) Acenaphthene	13.40	154	172837	4.91	ng		95
13) Fluorene	14.39	166	241876	5.33	ng		100
15) Phenanthrene	16.12	178	687905	9.16	ng		100
16) Anthracene	16.20	178	454532	7.22	ng		97
17) Fluoranthene	18.07	202	902293	11.30	ng		98
19) Pyrene	18.46	202	870705	12.06	ng		99
21) Benzo(a)anthracene	20.18	228	639089	8.48	ng		97
22) Chrysene	20.24	228	612354	7.45	ng		99
23) Indeno(1,2,3-cd)pyrene	23.68	276	553153	7.22	ng		99
25) Benzo(b)fluoranthene	21.54	252	566754	6.57	ng	#	97
26) Benzo(k)fluoranthene	21.56	252	631804	7.35	ng	#	96
27) Benzo(a)pyrene	22.00	252	614416	7.67	ng	#	96
28) Dibenzo(a,h)anthracene	23.63	278	443678	5.63	ng		98
29) Benzo(g,h,i)perylene	24.23	276	590180	6.85	ng		99

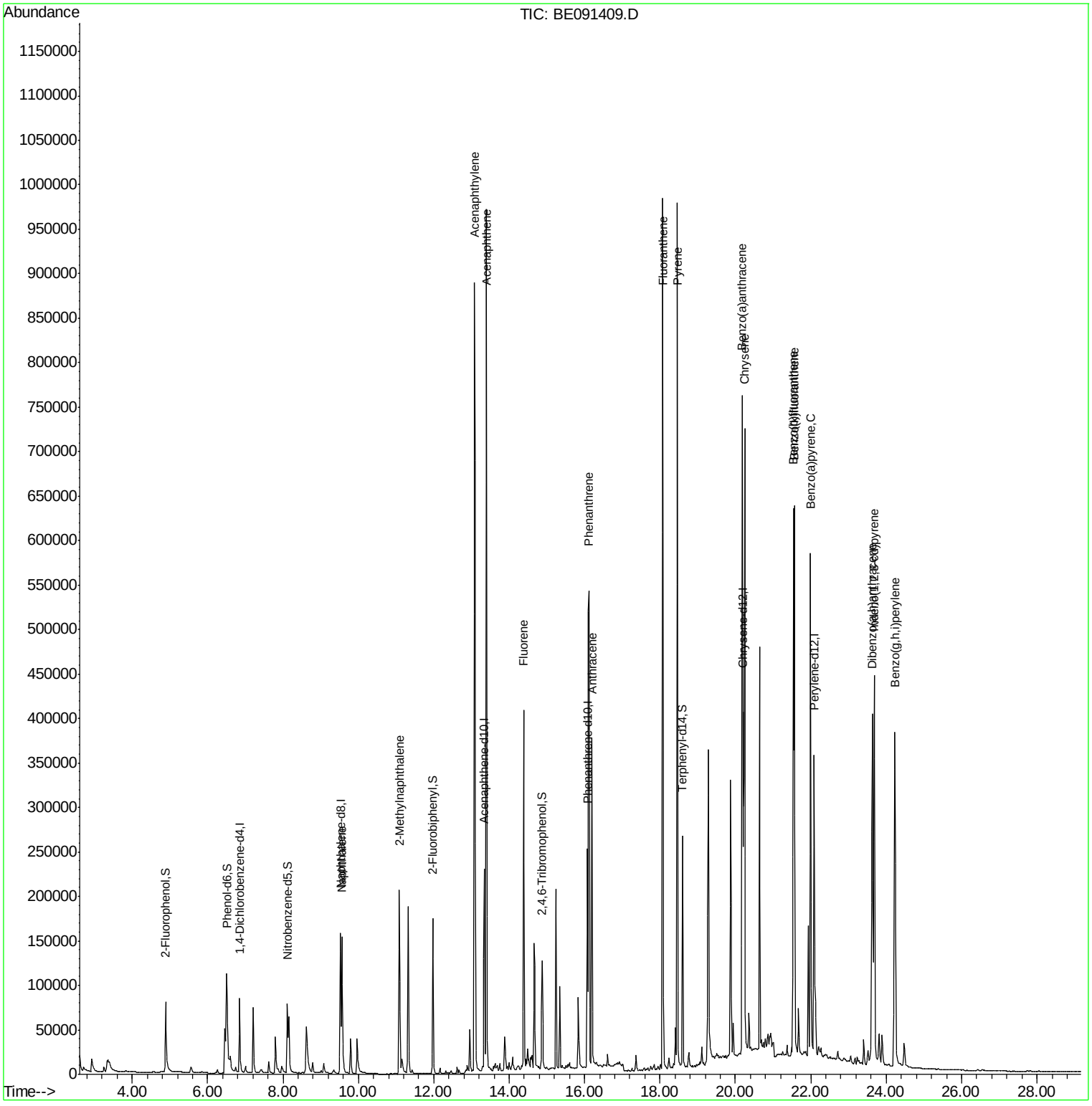
(#) = qualifier out of range (m) = manual integration (+) = signals summed

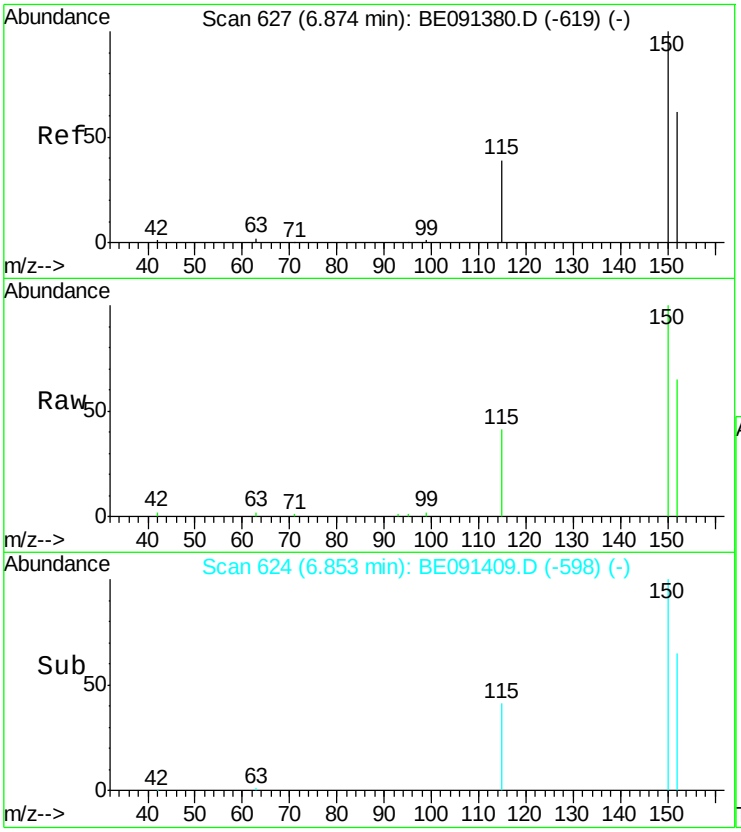
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021716\
Data File : BE091409.D
Acq On : 17 Feb 2016 18:06
Operator : UM/IZ
Sample : H1445-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Quant Time: Feb 18 00:00:10 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



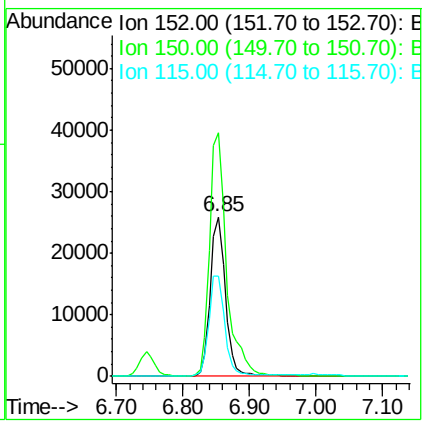


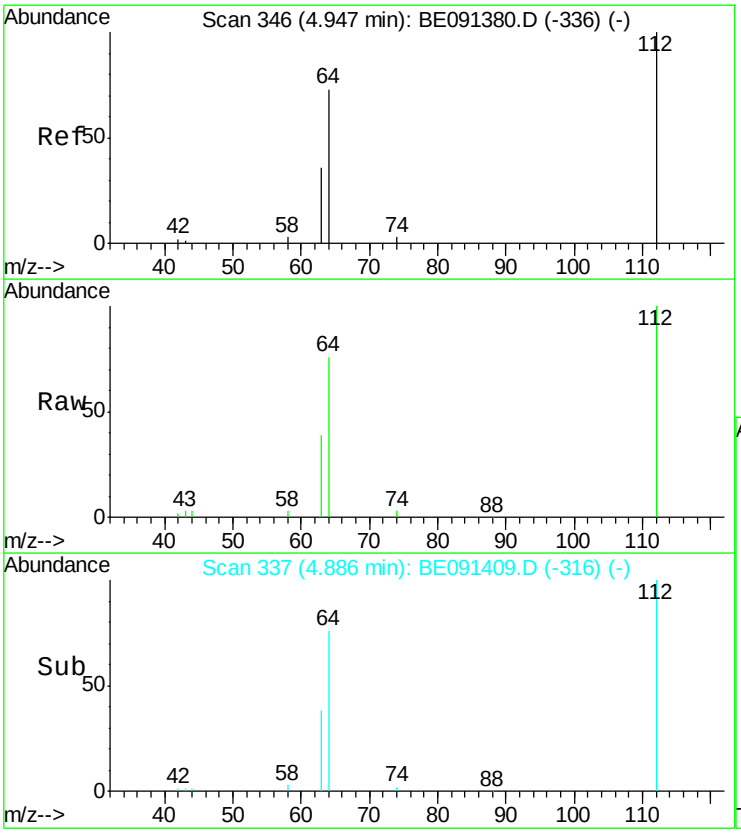
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.85 min Scan# 624
Delta R.T. -0.02 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:152 Resp: 40123

Ion	Ratio	Lower	Upper
152	100		
150	152.9	128.9	193.3
115	63.2	50.9	76.3

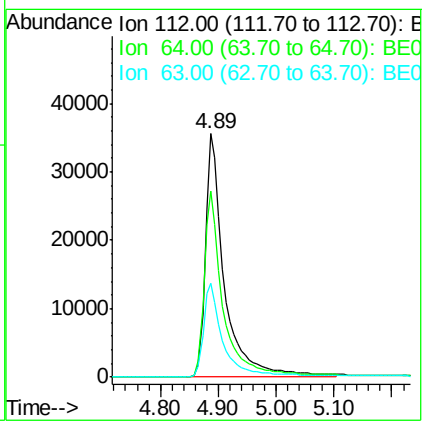


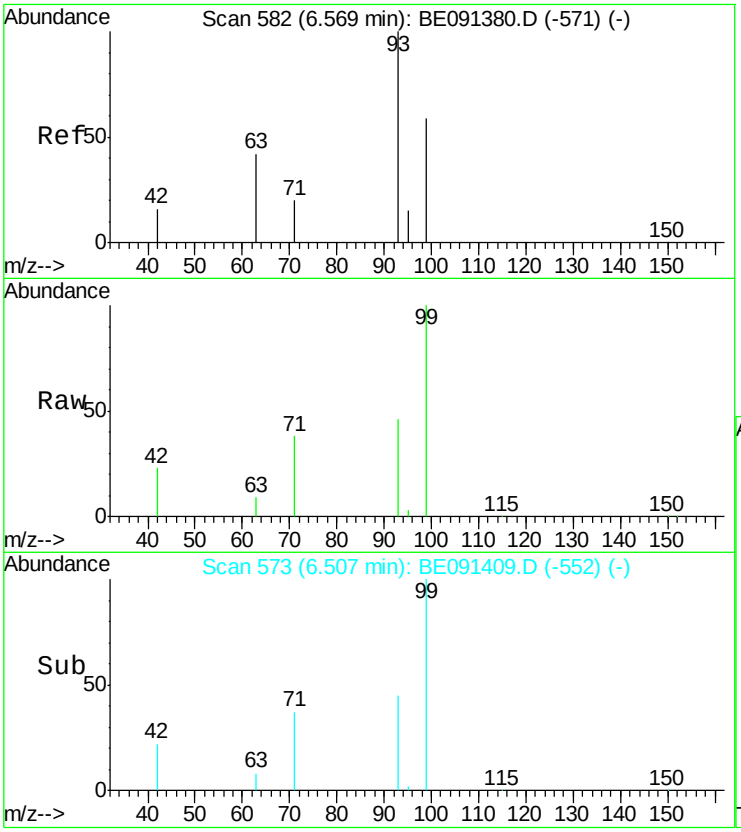


#2
2-Fluorophenol
Concen: 8.49 ng
RT: 4.89 min Scan# 337
Delta R.T. -0.06 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:112 Resp: 81064

Ion	Ratio	Lower	Upper
112	100		
64	75.5	60.5	90.7
63	39.0	29.8	44.8



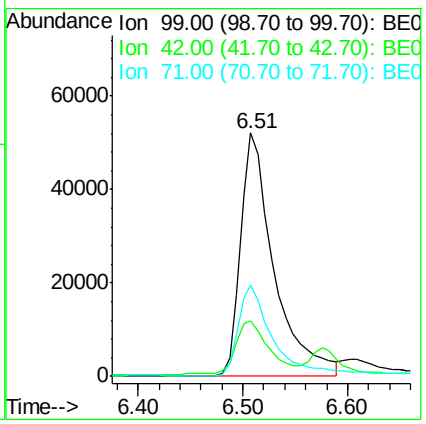


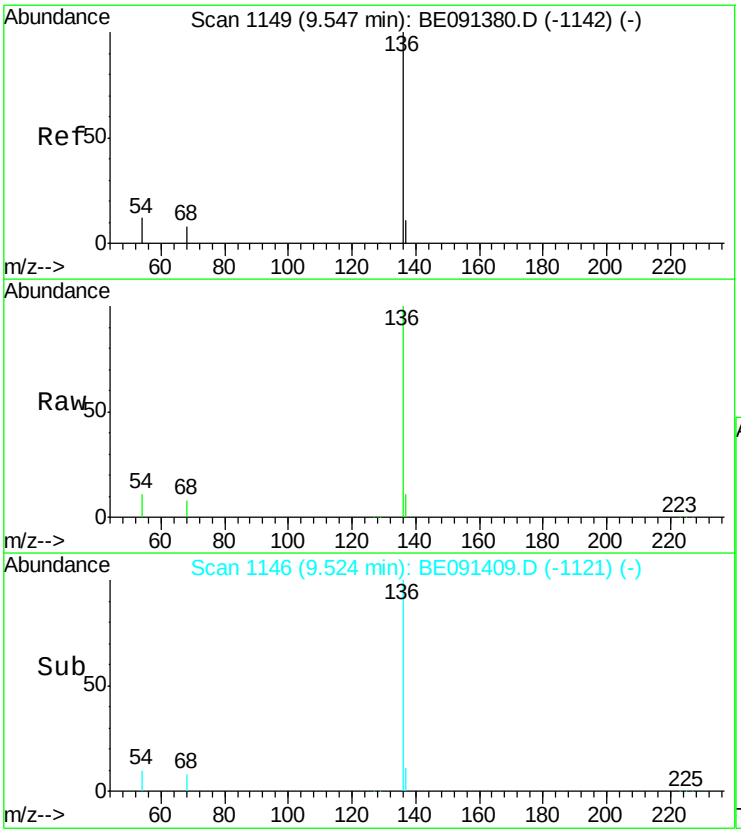
#3
Phenol-d6
Concen: 8.57 ng
RT: 6.51 min Scan# 573
Delta R.T. -0.06 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion: 99 Resp: 115893

Ion	Ratio	Lower	Upper
99	100		
42	23.2	13.3	19.9#
71	39.8	25.6	38.4#

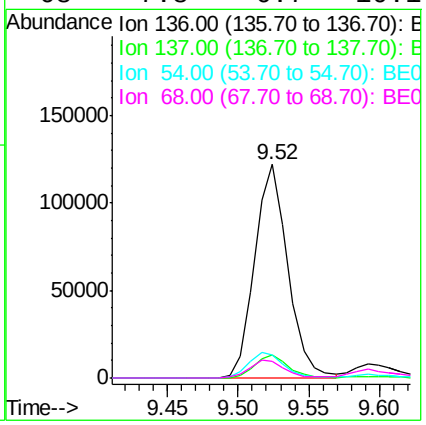


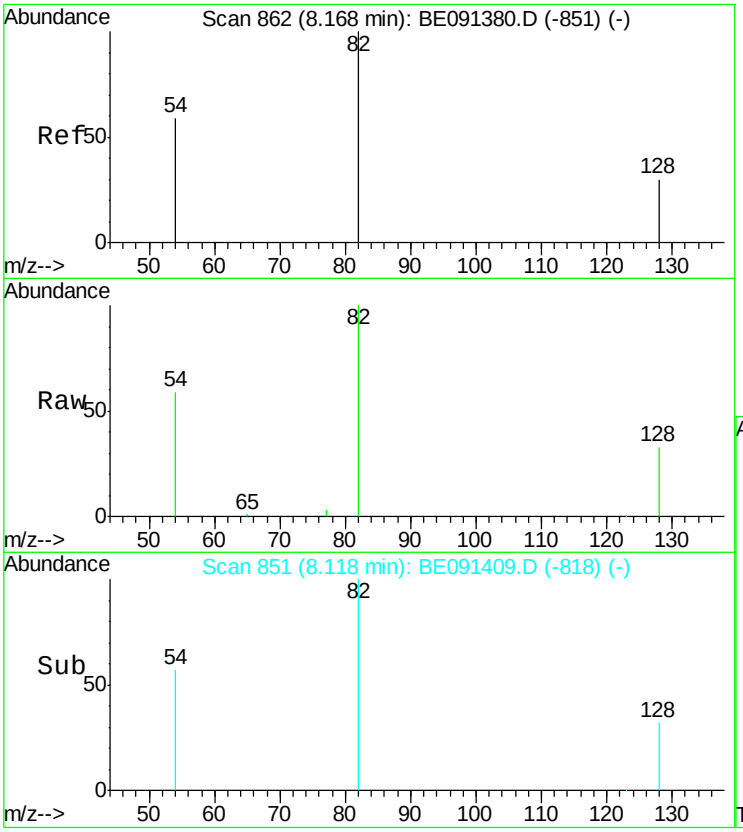


#4
Naphthalene-d8
Concen: 5.00 ng
RT: 9.52 min Scan# 1146
Delta R.T. -0.02 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:136 Resp: 200145

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	11.1	9.3	13.9
68	7.8	6.7	10.1



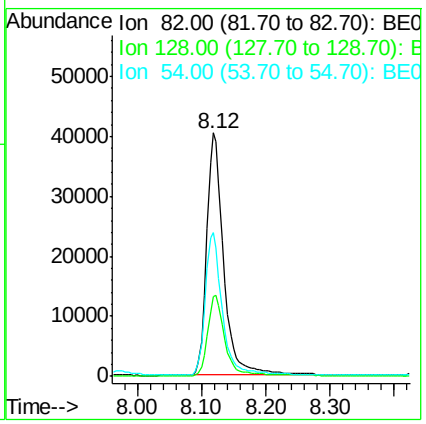


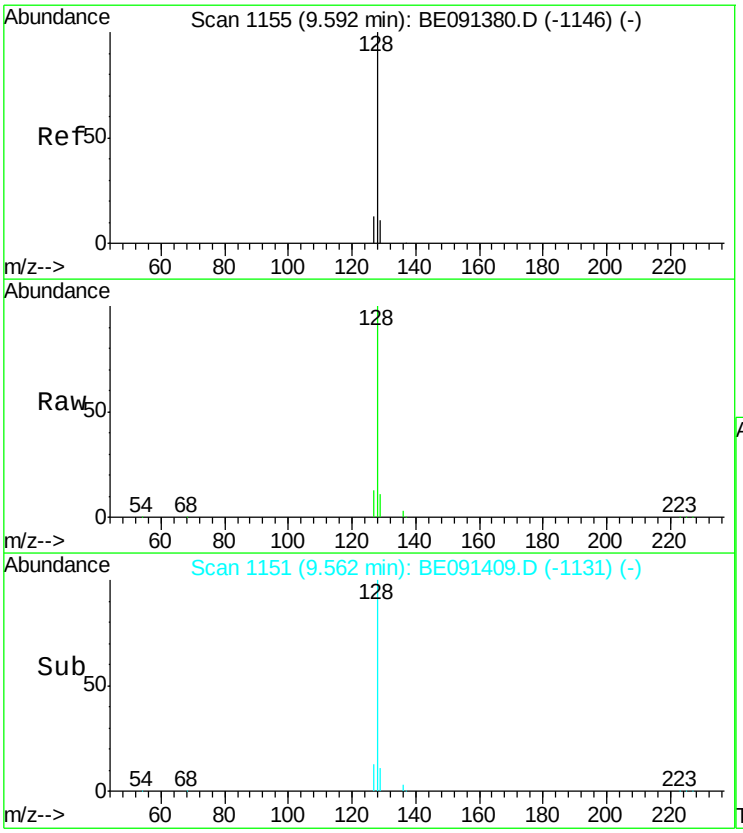
#5
Nitrobenzene-d5
Concen: 5.59 ng
RT: 8.12 min Scan# 851
Delta R.T. -0.05 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion: 82 Resp: 74585

Ion	Ratio	Lower	Upper
82	100		
128	32.6	25.0	37.4
54	59.2	48.1	72.1

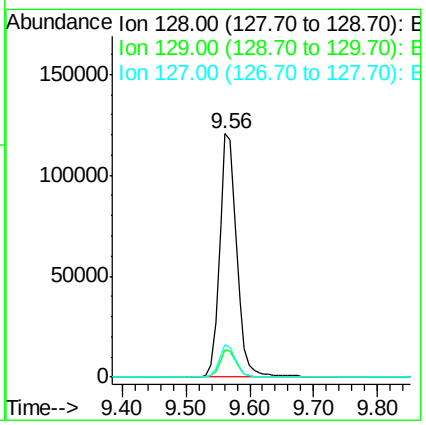


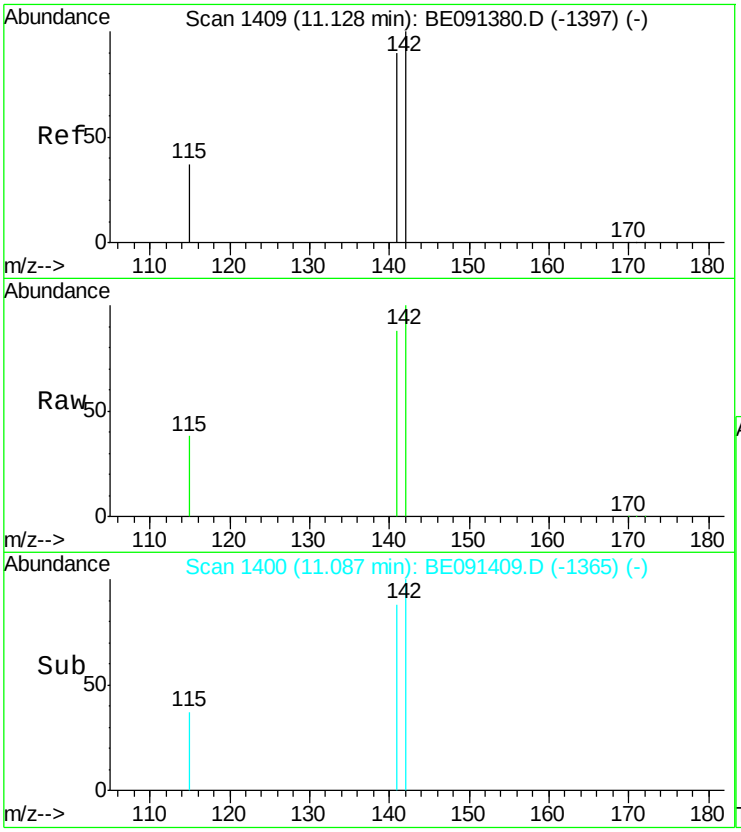


#6
Naphthalene
Concen: 4.95 ng
RT: 9.56 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:128 Resp: 223340

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	13.3	10.5	15.7



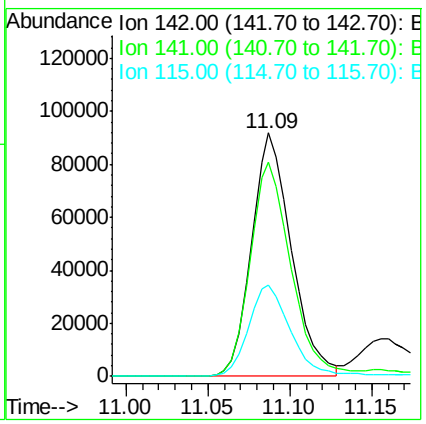


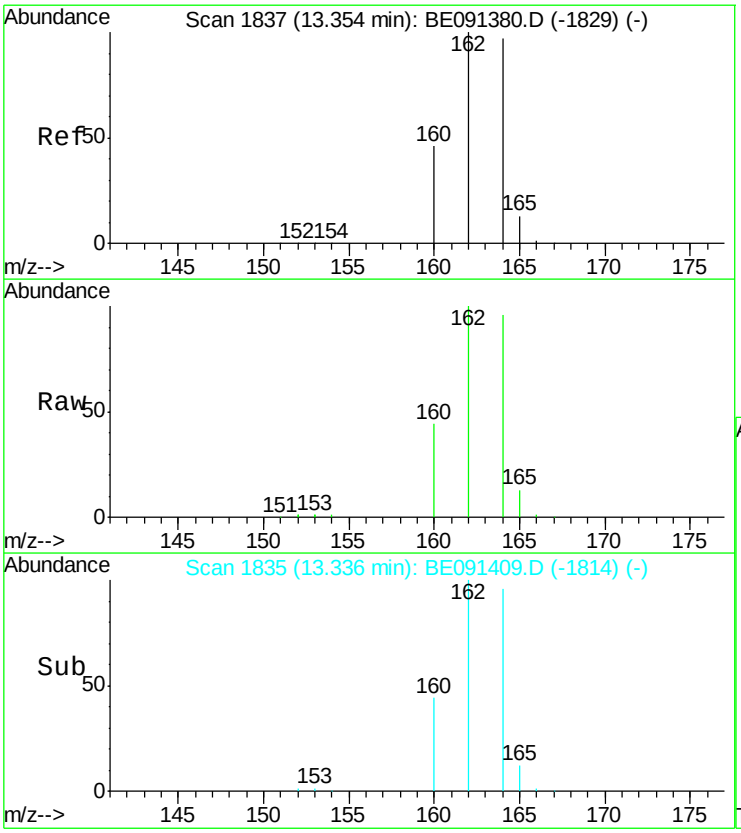
#7
2-Methylnaphthalene
Concen: 5.50 ng
RT: 11.09 min Scan# 1400
Delta R.T. -0.04 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:142 Resp: 155010

Ion	Ratio	Lower	Upper
142	100		
141	88.0	72.3	108.5
115	37.6	30.5	45.7

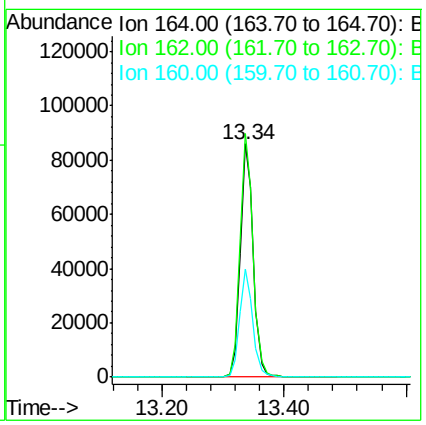


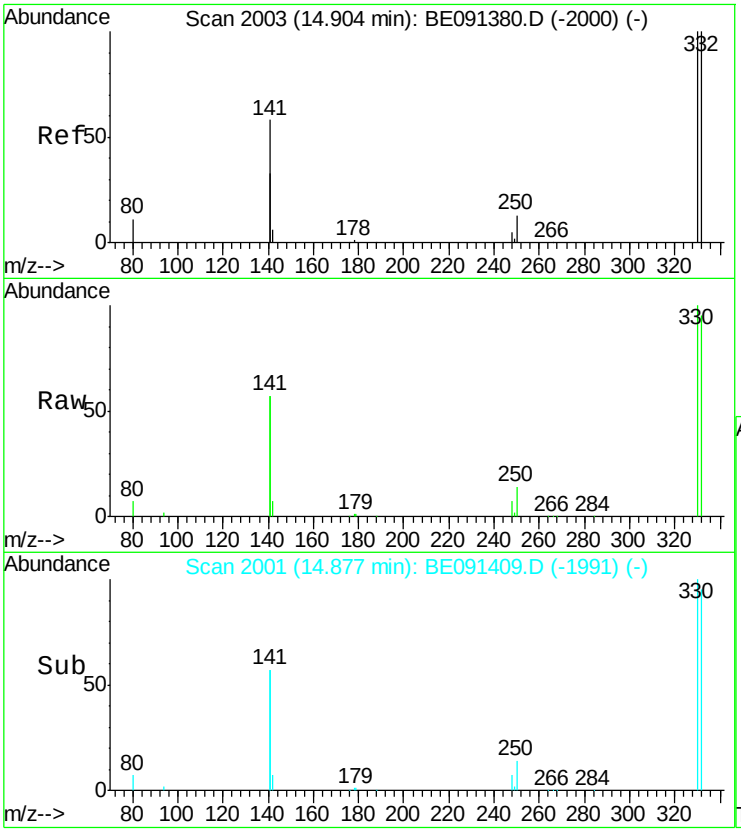


#8
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.34 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:164 Resp: 128081

Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.2	123.2
160	46.5	37.8	56.8



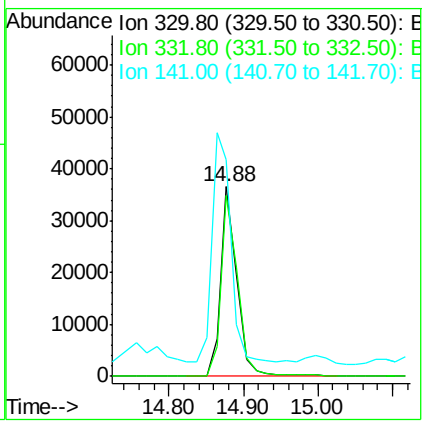


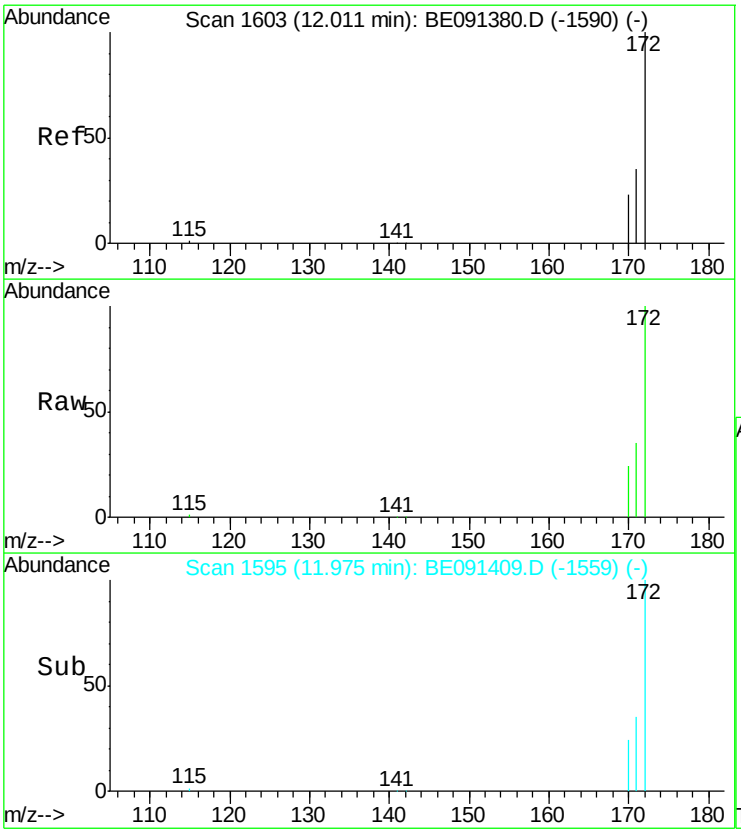
#9
2,4,6-Tribromophenol
Concen: 8.88 ng
RT: 14.88 min Scan# 2001
Delta R.T. -0.03 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:330 Resp: 55885

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.8	118.2
141	155.2	105.1	157.7

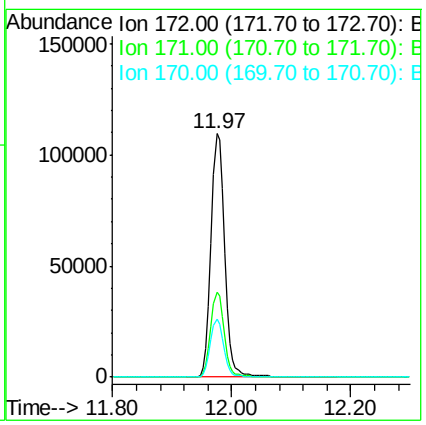


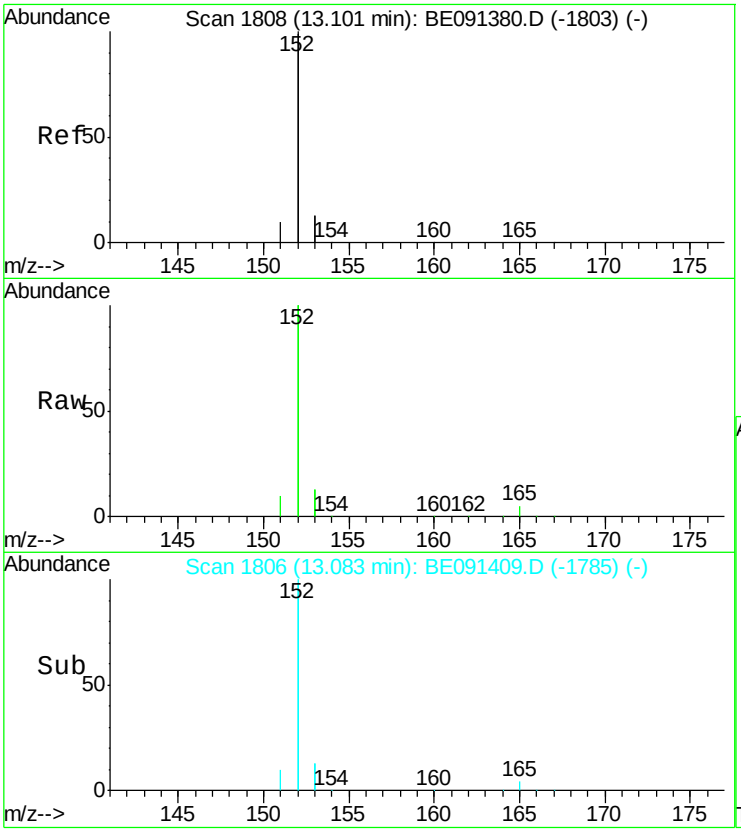


#10
2-Fluorobiphenyl
Concen: 5.18 ng
RT: 11.97 min Scan# 1595
Delta R.T. -0.04 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:172 Resp: 172600

Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.8	41.8
170	23.6	18.6	28.0



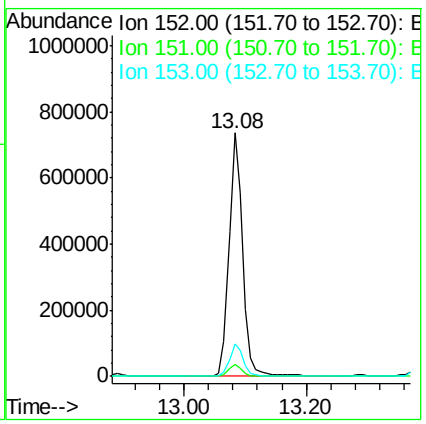


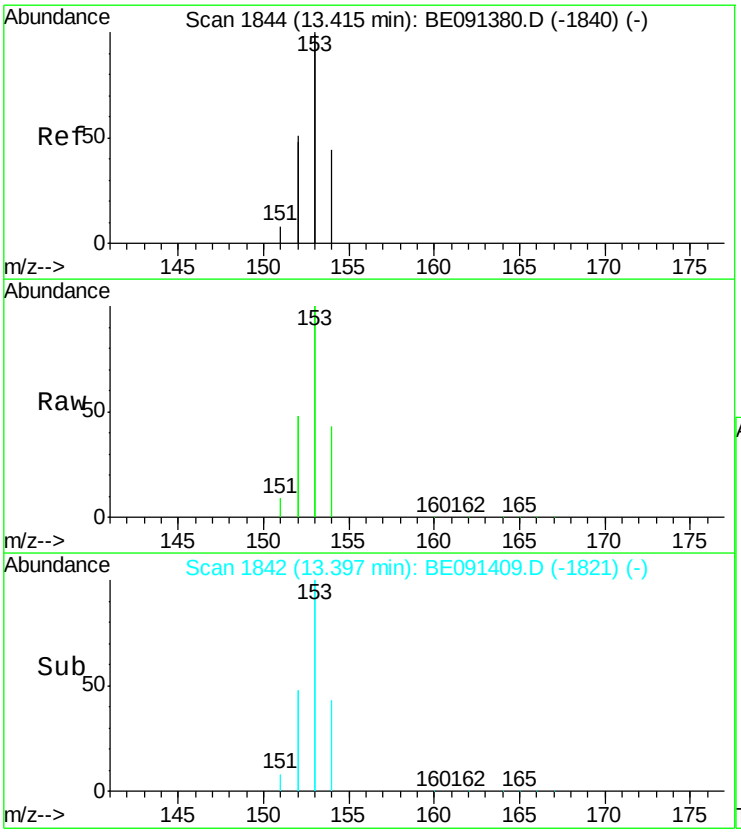
#11
Acenaphthylene
Concen: 5.07 ng
RT: 13.08 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:152 Resp: 1134418

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.8	5.8
153	13.1	10.2	15.4

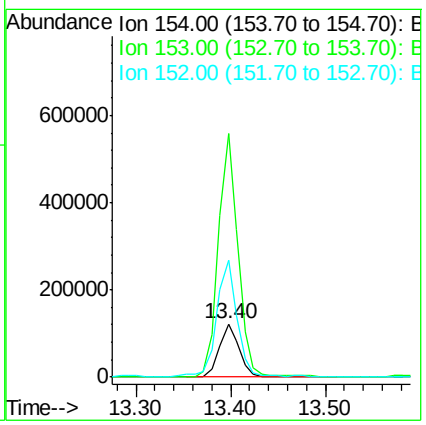


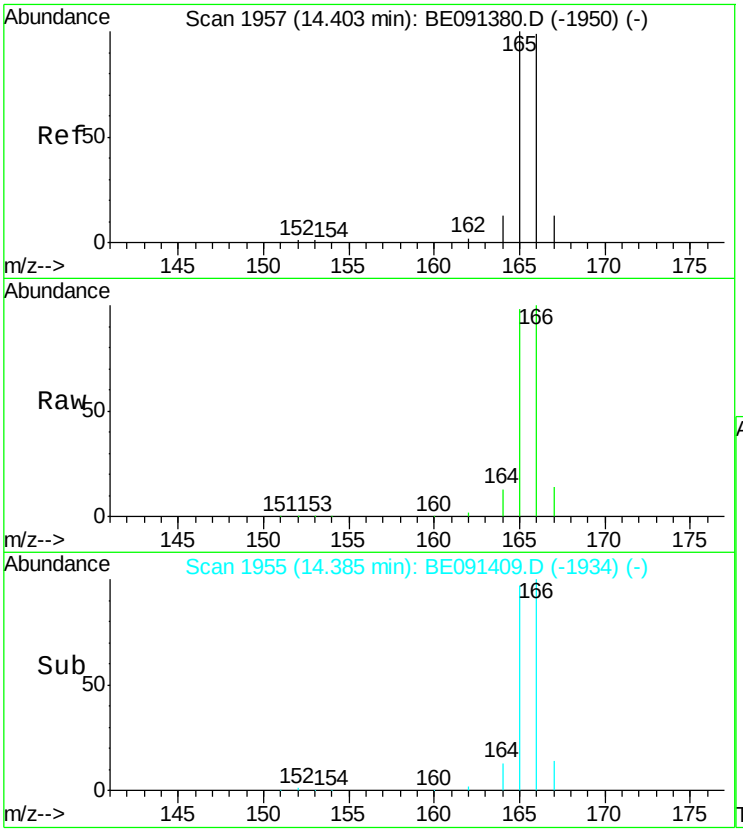


#12
Acenaphthene
Concen: 4.91 ng
RT: 13.40 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:154 Resp: 172837

Ion	Ratio	Lower	Upper
154	100		
153	457.6	369.8	554.8
152	224.2	194.4	291.6



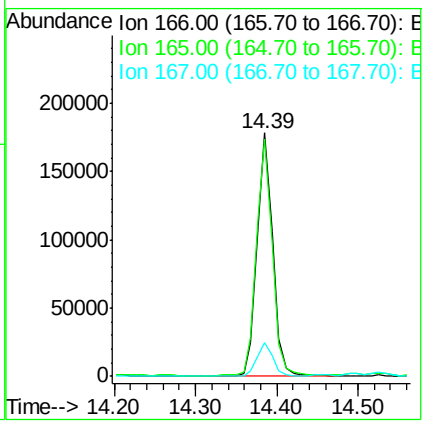


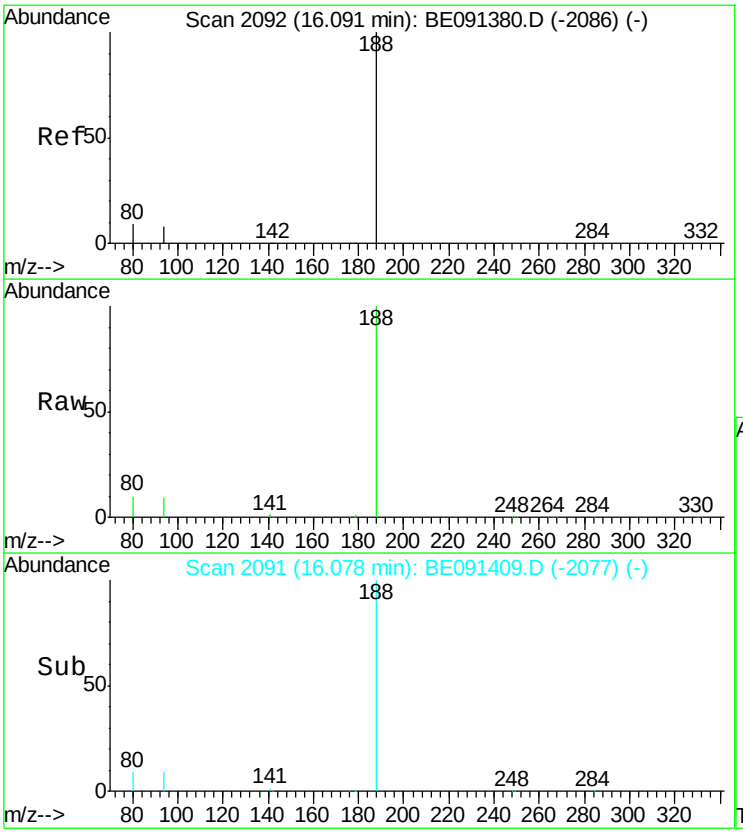
#13
Fluorene
Concen: 5.33 ng
RT: 14.39 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:166 Resp: 241876

Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.3	118.9
167	14.0	10.6	16.0

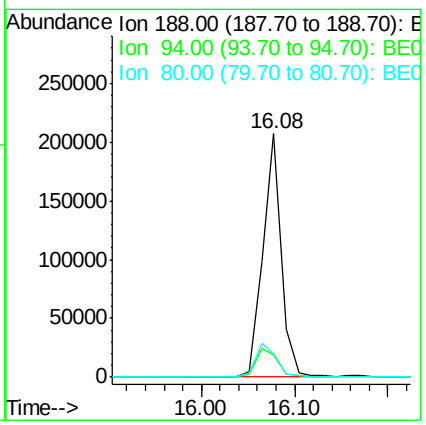


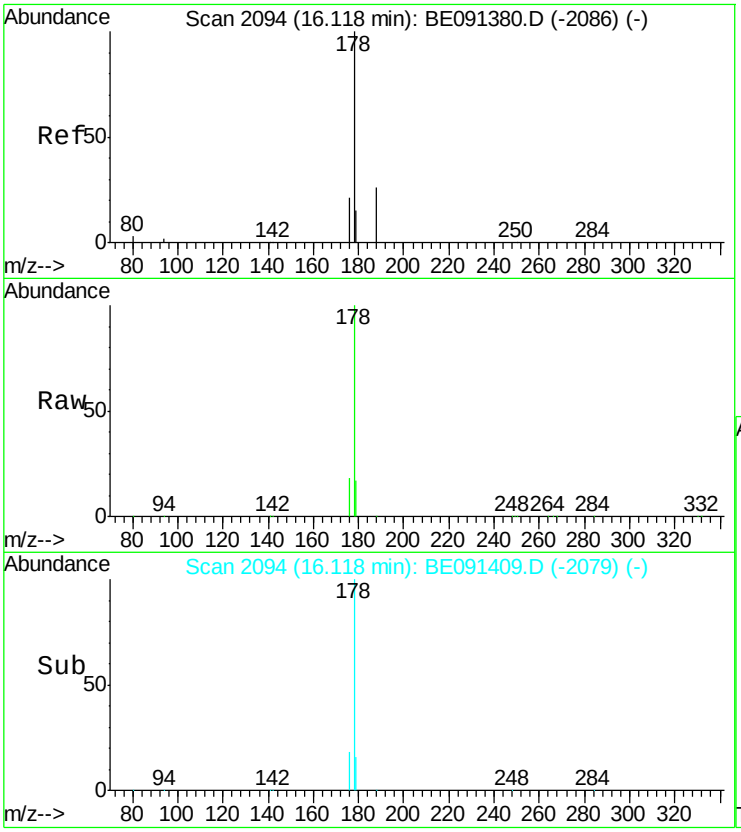


#14
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.08 min Scan# 2091
Delta R.T. -0.01 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:188 Resp: 285980

Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.6	10.0
80	9.5	7.0	10.6



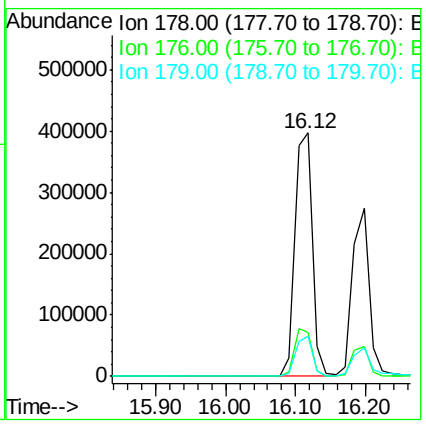


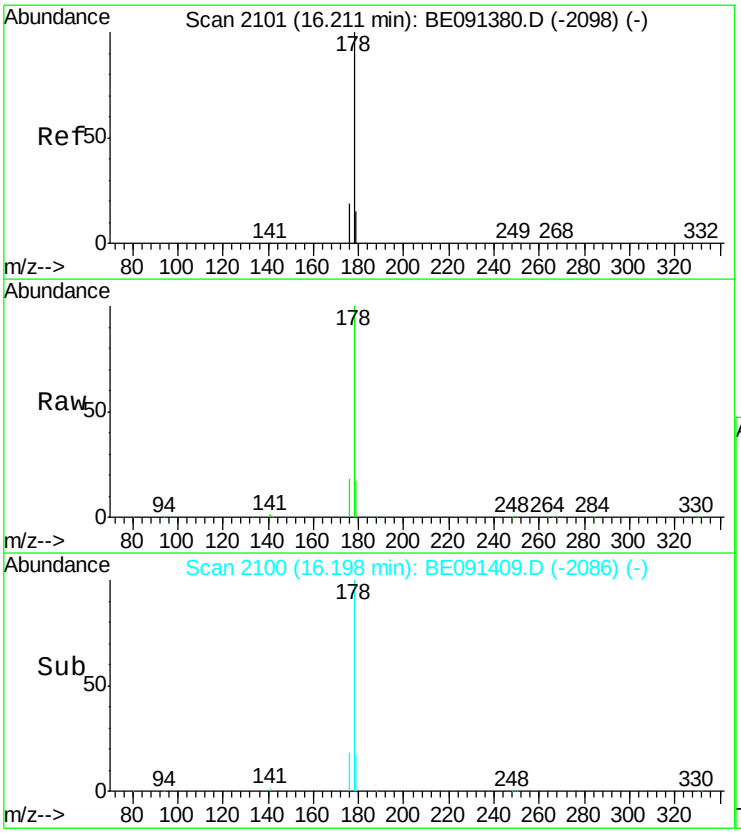
#15
Phenanthrene
Concen: 9.16 ng
RT: 16.12 min Scan# 2094
Delta R.T. -0.00 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:178 Resp: 687905

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	16.0	12.7	19.1

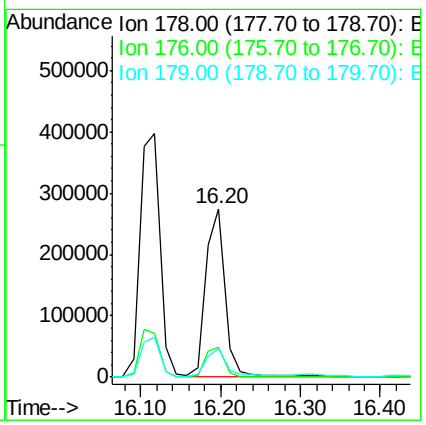


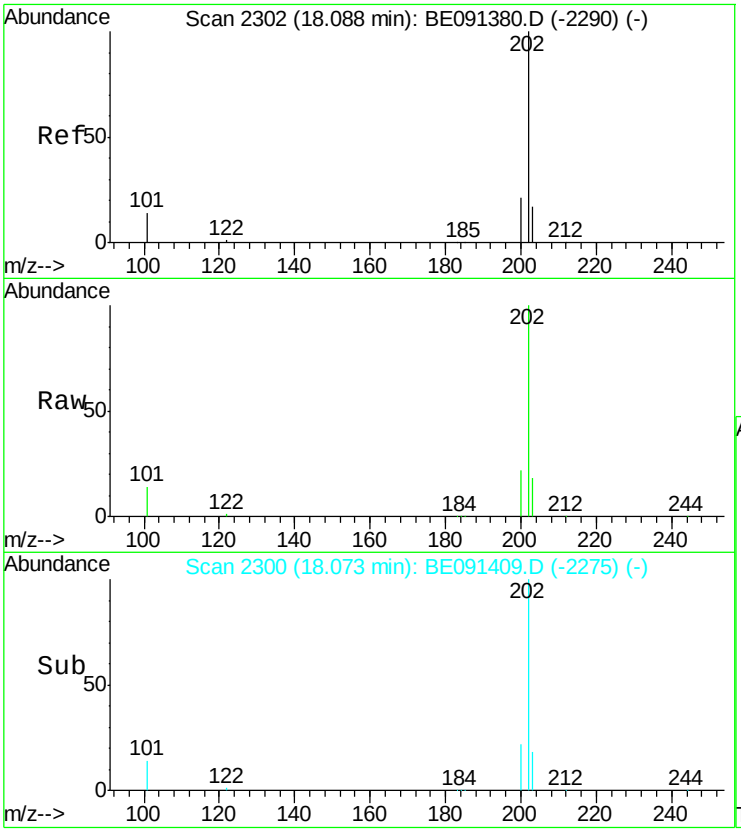


#16
Anthracene
Concen: 7.22 ng
RT: 16.20 min Scan# 2100
Delta R.T. -0.01 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:178 Resp: 454532

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	17.8	12.1	18.1



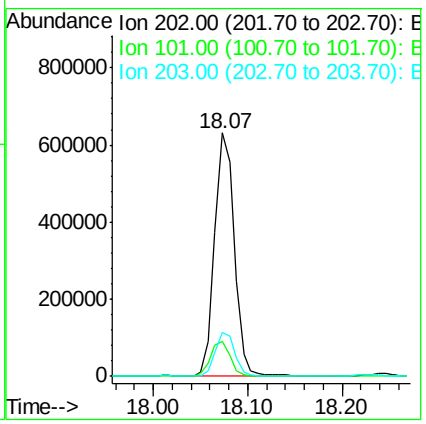


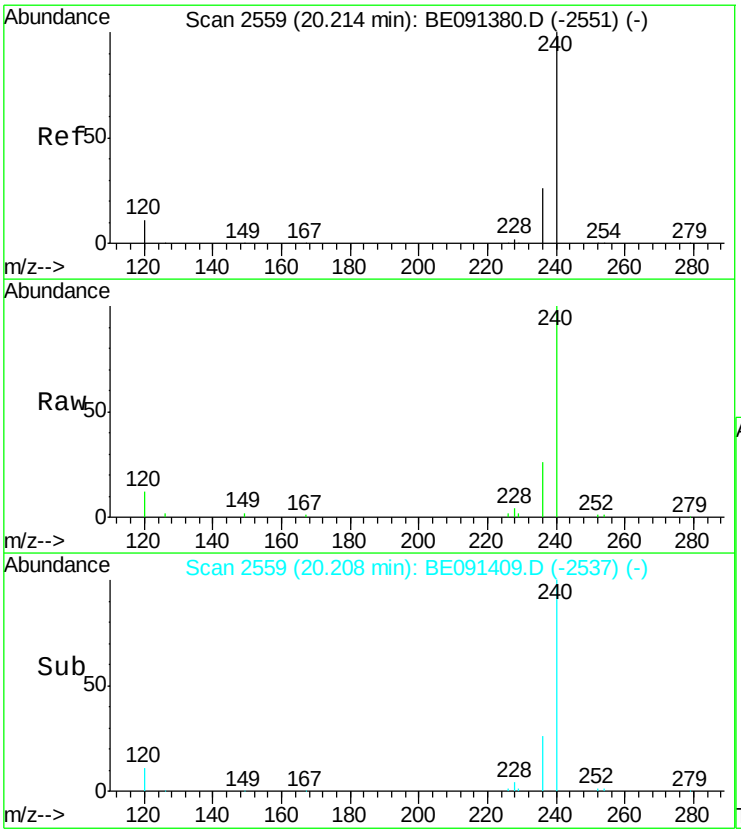
#17
Fluoranthene
Concen: 11.30 ng
RT: 18.07 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:202 Resp: 902293

Ion	Ratio	Lower	Upper
202	100		
101	14.2	10.5	15.7
203	18.0	13.9	20.9

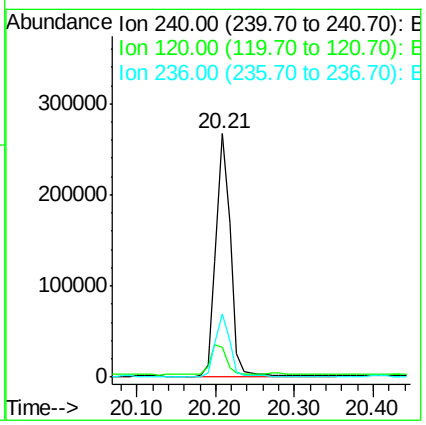


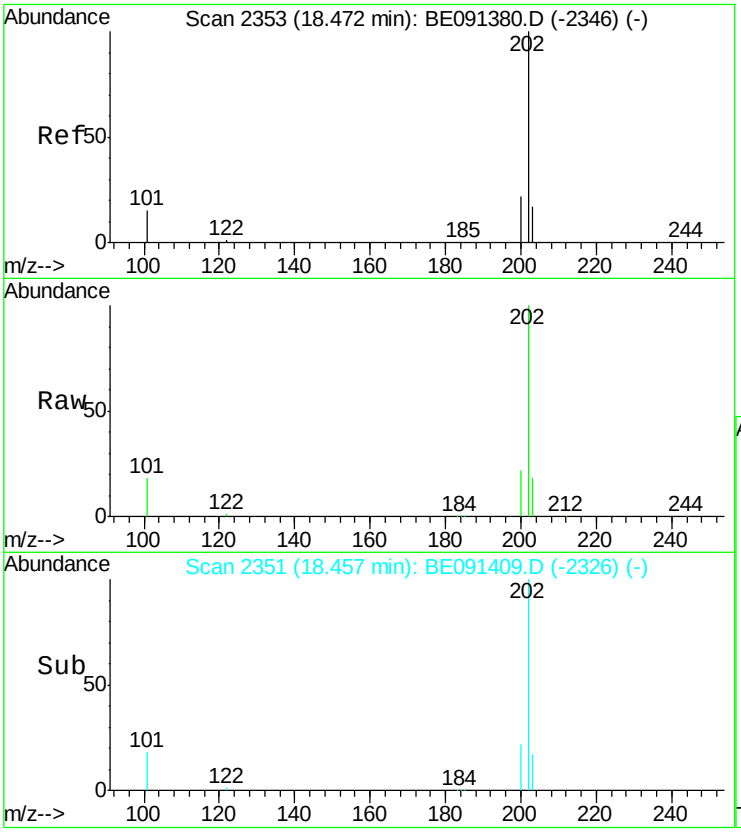


#18
Chrysene-d12
Concen: 5.00 ng
RT: 20.21 min Scan# 2559
Delta R.T. -0.01 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:240 Resp: 333064

Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.9	13.3
236	25.9	21.0	31.4



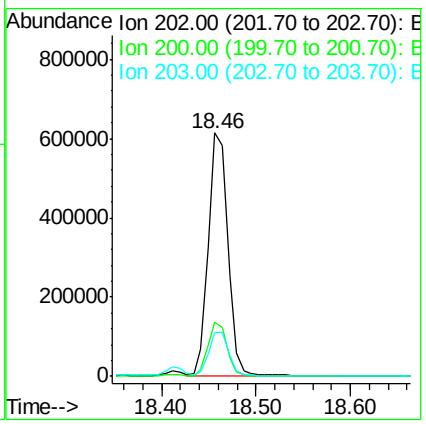


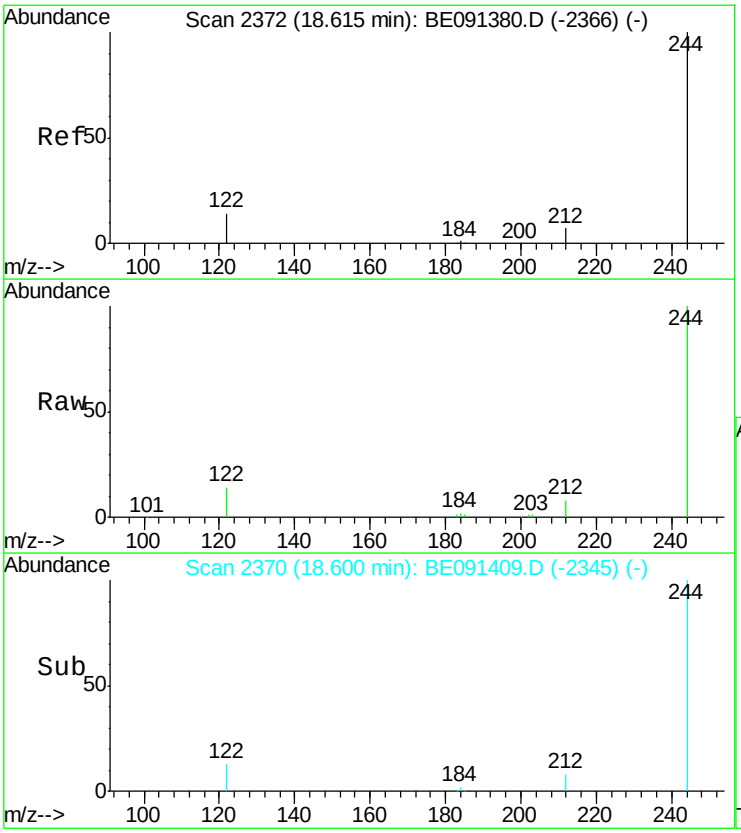
#19
Pyrene
Concen: 12.06 ng
RT: 18.46 min Scan# 2351
Delta R.T. -0.02 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:202 Resp: 870705

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	18.0	14.0	21.0

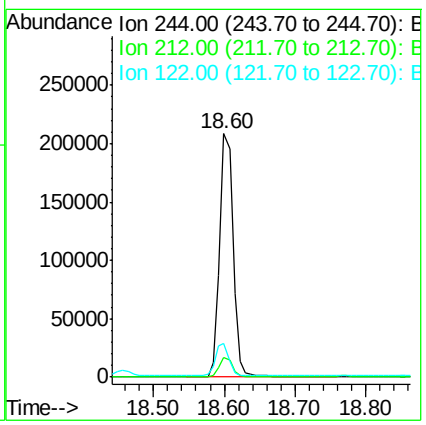


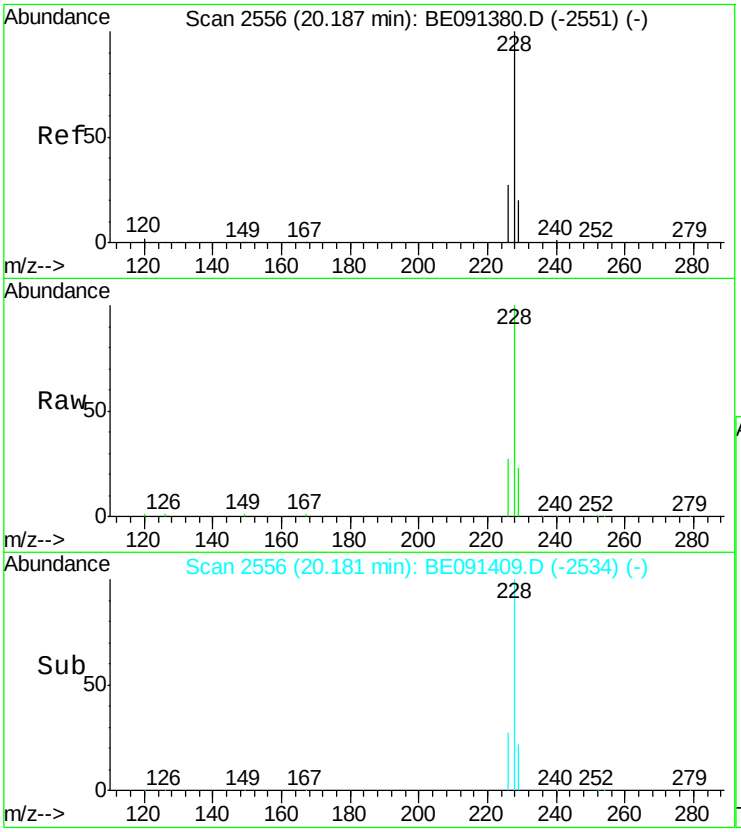


#20
Terphenyl-d14
Concen: 5.51 ng
RT: 18.60 min Scan# 2370
Delta R.T. -0.02 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:244 Resp: 271589

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.1	9.1
122	13.9	11.0	16.6



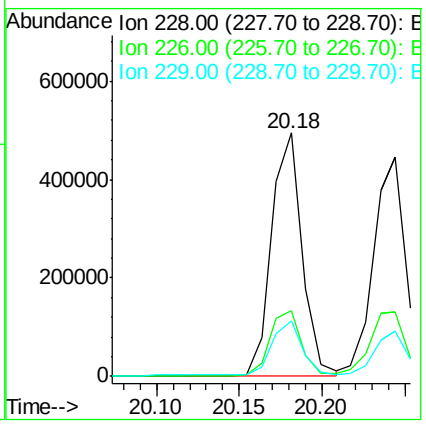


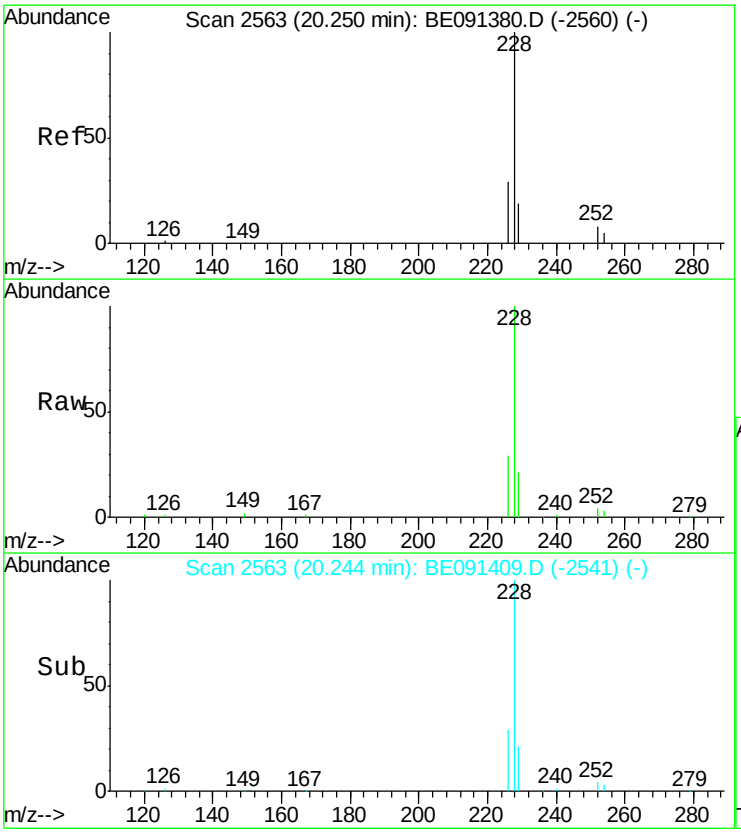
#21
Benzo(a)anthracene
Concen: 8.48 ng
RT: 20.18 min Scan# 2556
Delta R.T. -0.01 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:228 Resp: 639089

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	22.9	16.1	24.1

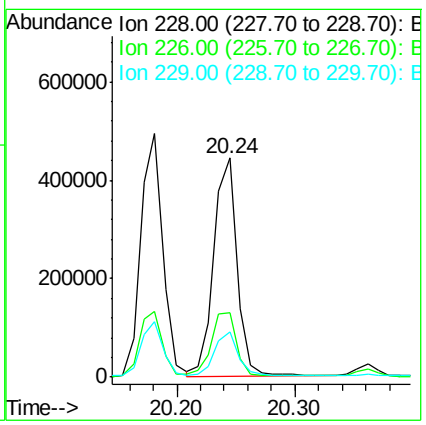


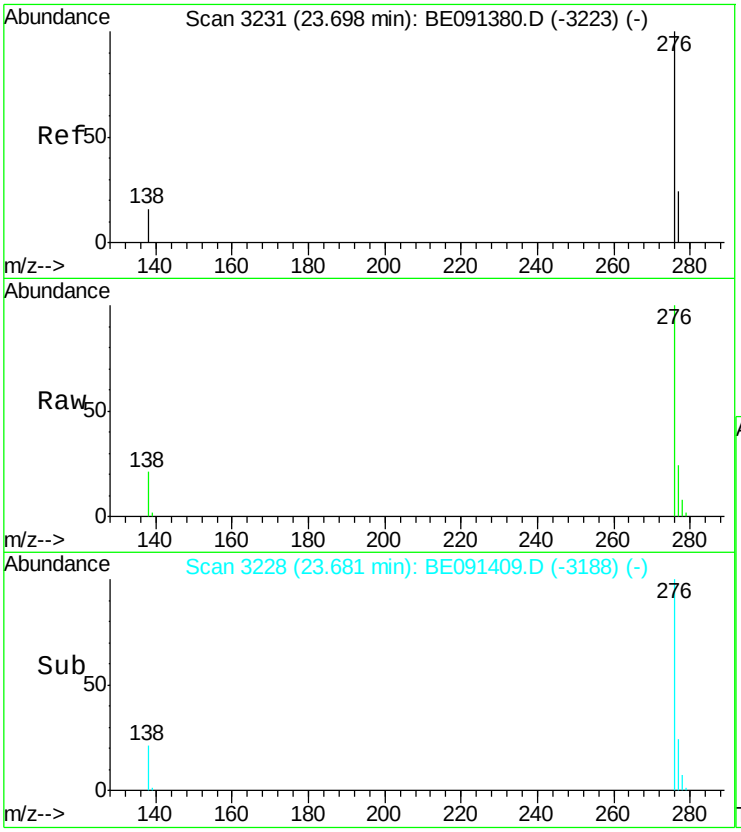


#22
Chrysene
Concen: 7.45 ng
RT: 20.24 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:228 Resp: 612354

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.0
229	20.9	15.7	23.5



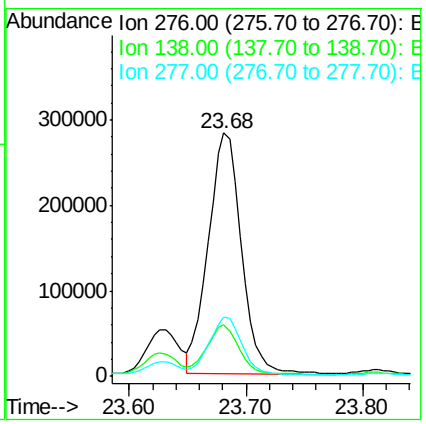


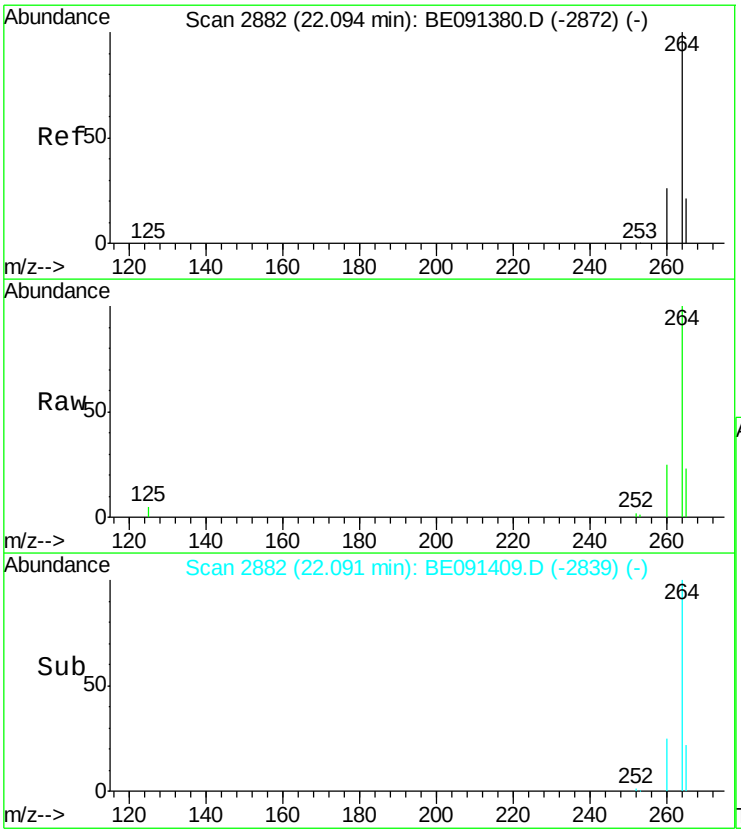
#23
Indeno(1,2,3-cd)pyrene
Concen: 7.22 ng
RT: 23.68 min Scan# 3228
Delta R.T. -0.02 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:276 Resp: 553153

Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.6	25.0
277	23.8	19.0	28.6

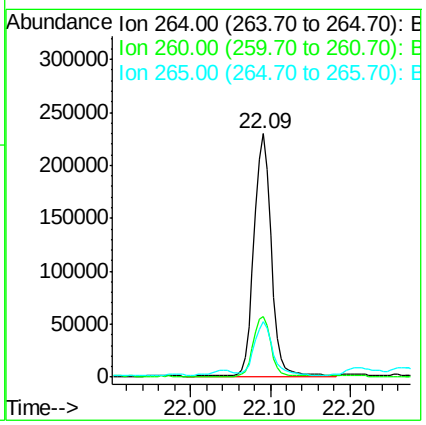


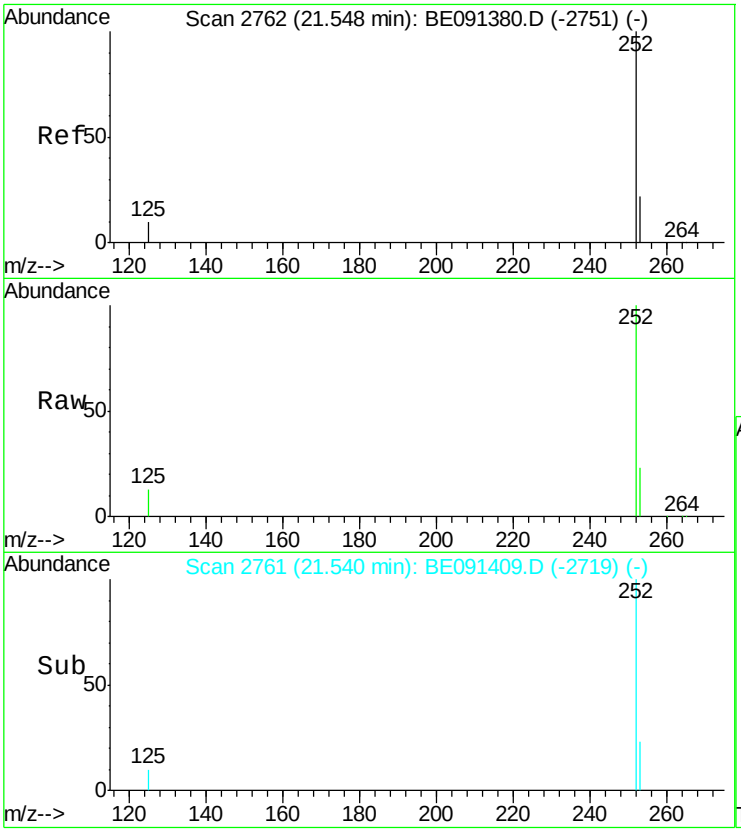


#24
Perylene-d12
Concen: 5.00 ng
RT: 22.09 min Scan# 2882
Delta R.T. -0.00 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:264 Resp: 343875

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.7	31.1
265	22.6	17.2	25.8



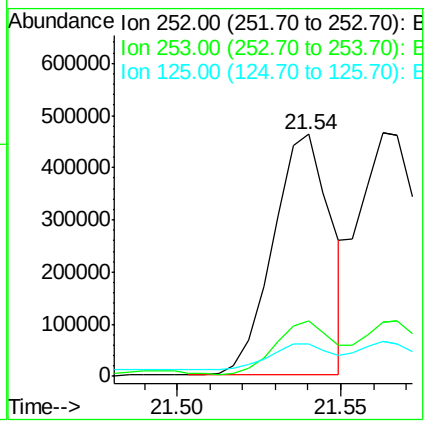


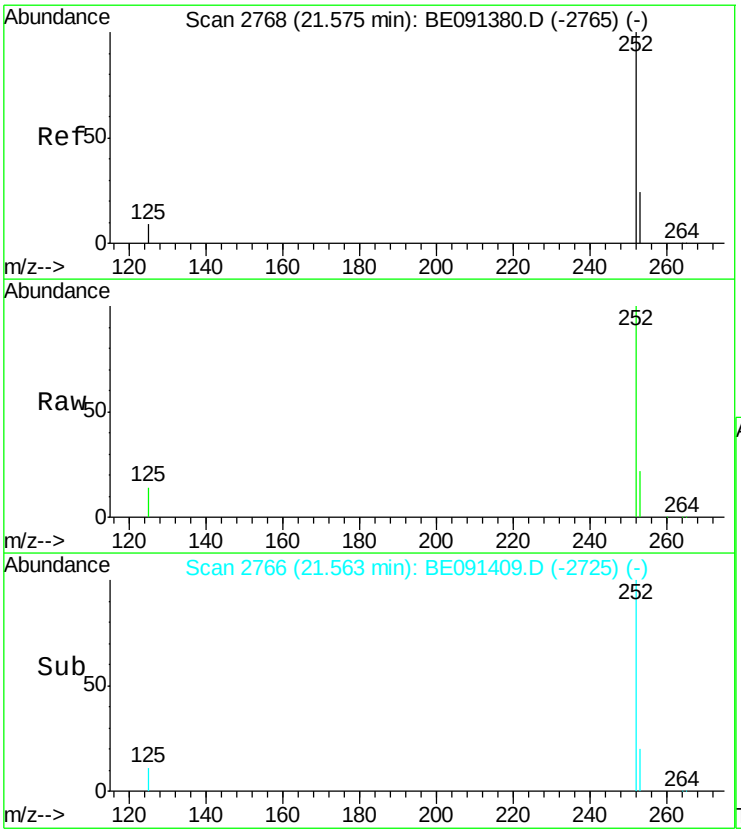
#25
Benzo(b)fluoranthene
Concen: 6.57 ng
RT: 21.54 min Scan# 2761
Delta R.T. -0.01 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:252 Resp: 566754

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	13.2	8.3	12.5#

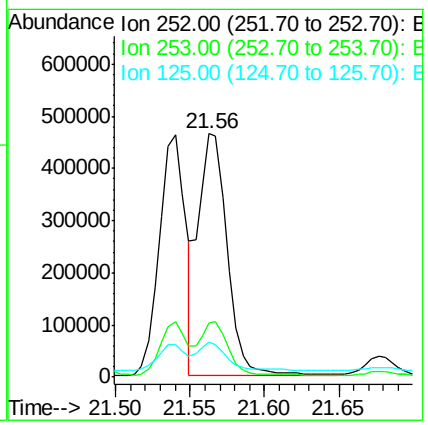


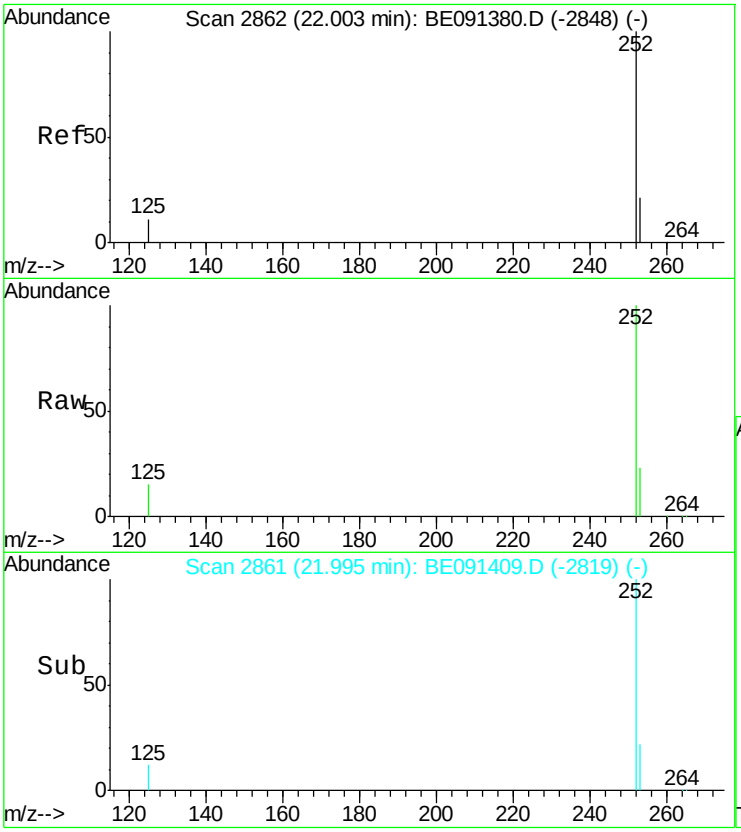


#26
Benzo(k)fluoranthene
Concen: 7.35 ng
RT: 21.56 min Scan# 2766
Delta R.T. -0.01 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:252 Resp: 631804

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	14.2	8.2	12.4#



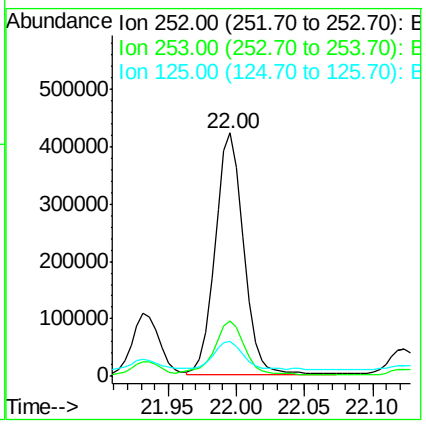


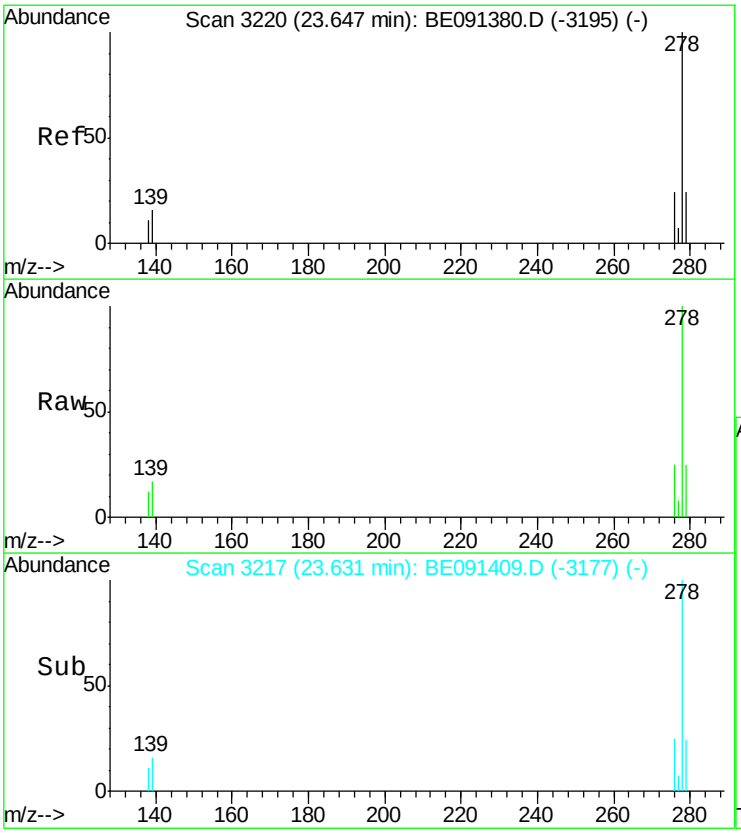
#27
Benzo(a)pyrene
Concen: 7.67 ng
RT: 22.00 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:252 Resp: 614416

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	14.6	9.4	14.0#

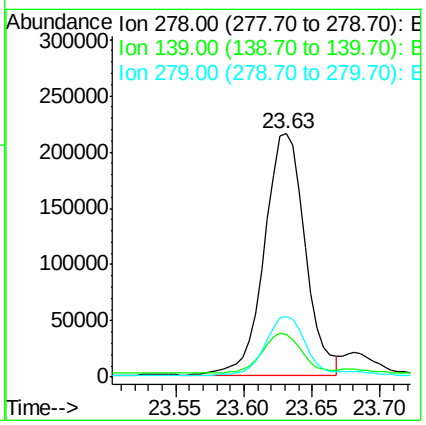


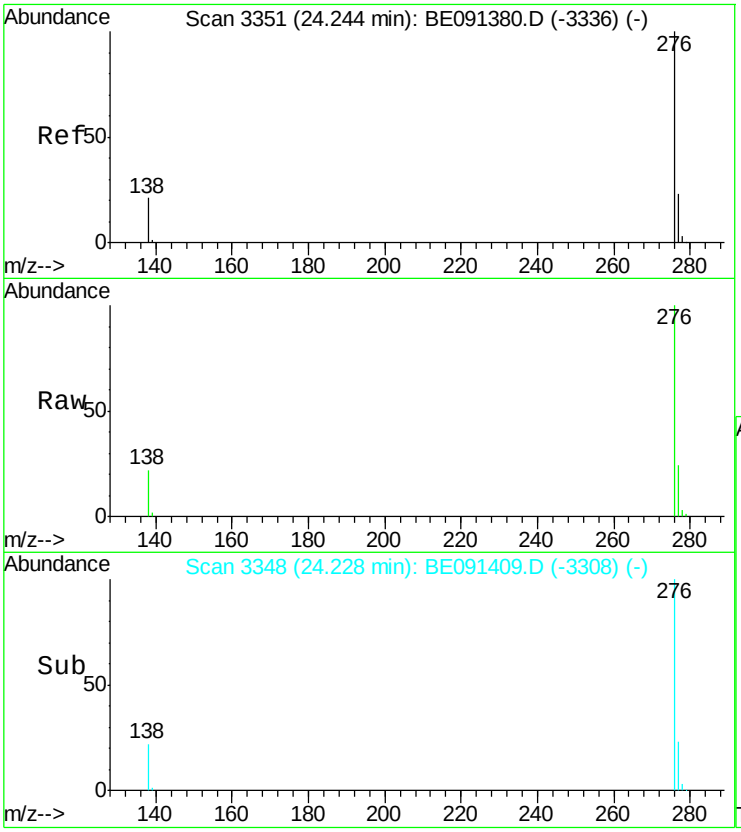


#28
Dibenzo(a,h)anthracene
Concen: 5.63 ng
RT: 23.63 min Scan# 3217
Delta R.T. -0.02 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Tgt Ion:278 Resp: 443678

Ion	Ratio	Lower	Upper
278	100		
139	17.5	13.0	19.4
279	25.1	19.2	28.8





#29
Benzo(g,h,i)perylene
Concen: 6.85 ng
RT: 24.23 min Scan# 3348
Delta R.T. -0.02 min
Lab File: BE091409.D
Acq: 17 Feb 2016 18:06

Instrument :
BNA_E
ClientSampleId :
LIBERTY-SF-005MSD

Tgt Ion:276 Resp: 590180

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.9	28.3
138	22.4	17.0	25.6