Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051718\

Quantitation Report (Not Reviewed)

Data File : BE096607.D
Acq On : 17 May 2018 13:35
Operator : SJ/JU
Sample : J2923-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LOQ-SCM-Precision-Bias-2

Quant Time: May 18 05:12:49 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	627	0.40	ng		0.00
7) Naphthalene-d8	11.18	136	2622	0.40	ng		0.00
13) Acenaphthene-d10	14.92	164	1554	0.40	ng		0.00
19) Phenanthrene-d10	17.64	188	3509	0.40	ng		0.00
27) Chrysene-d12	21.74	240	3335	0.40	ng		0.01
34) Perylene-d12	24.33	264	3047	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.86	112	530	0.31	ng		0.00
5) Phenol-d6	7.50	99	709	0.29	ng		0.00
8) Nitrobenzene-d5	9.53	82	981	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	12.72	152	1568	0.37	ng		0.00
14) 2,4,6-Tribromophenol	16.40	330	155	0.25	ng		0.00
15) 2-Fluorobiphenyl	13.56	172	2376	0.36	ng		0.00
25) Fluoranthene-d10	19.62	212	15964	0.37	ng		0.00
29) Terphenyl-d14	20.18	244	2461	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.59	88	105	0.11	ng		87
3) n-Nitrosodimethylamine	3.98	42	66	0.06	ng	#	82
6) bis(2-Chloroethyl)ether	7.75	93	212	0.09	ng		99
9) Naphthalene	11.23	128	2645	0.10	ng	#	92
10) Hexachlorobutadiene	11.49	225	139	0.09	ng		96
12) 2-Methylnaphthalene	12.79	142	428	0.09	ng	#	88
16) Acenaphthylene	14.66	152	710	0.09	ng		99
17) Acenaphthene	14.99	154	453	0.09	ng		93
18) Fluorene	15.96	166	562	0.09	ng	#	77
20) 4-Bromophenyl-phenylether	16.82	248	196	0.09	ng	#	76
21) Hexachlorobenzene	16.95	284	206	0.09	ng	#	76
22) Pentachlorophenol	17.32	266	21	0.21	ng		96
23) Phenanthrene	17.67	178	901	0.09	ng		98
24) Anthracene	17.77	178	777	0.08	ng	#	95
26) Fluoranthene	19.65	202	1063	0.09	ng		97
28) Pyrene	20.00	202	438	0.07	ng		95
30) Benzo(a)anthracene	21.78	228	1005	0.10	ng		91
31) Chrysene	21.78	228	989	0.09	ng		91
32) Bis(2-ethylhexyl)phthalate	21.58	149	1801	0.08	ng	#	98
33) Indeno(1,2,3-cd)pyrene	27.11	276	842	0.08	ng	#	92
35) Benzo(b)fluoranthene	23.53	252	844	0.09	ng	#	89
36) Benzo(k)fluoranthene	23.58	252	872	0.09	ng	#	72
37) Benzo(a)pyrene	24.22	252	781	0.09	ng	#	66
38) Dibenzo(a,h)anthracene	27.12	278	675	0.08	ng	#	70
39) Benzo(g,h,i)perylene	27.97	276	739	0.09	ng	#	74

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

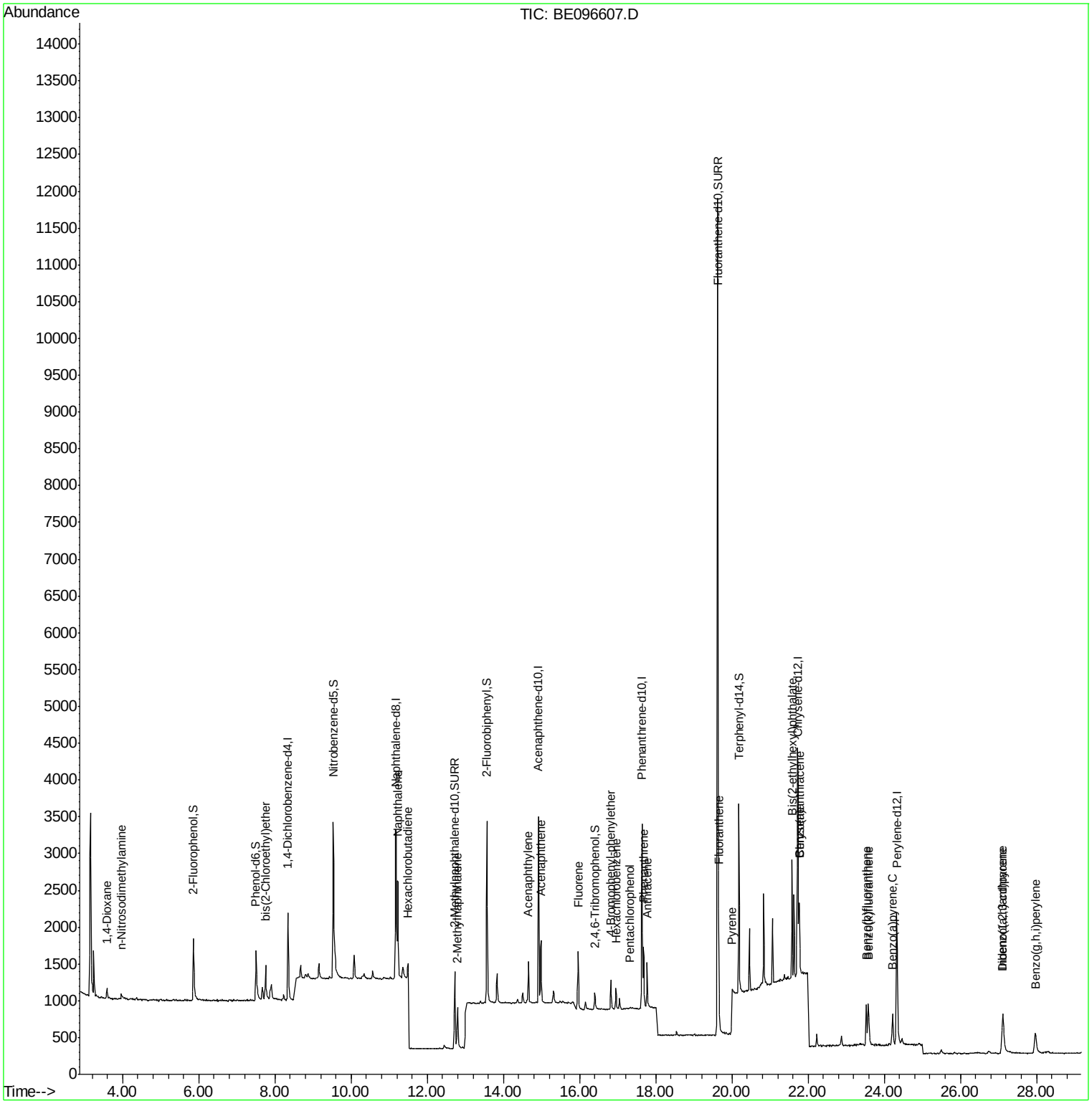
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051718\

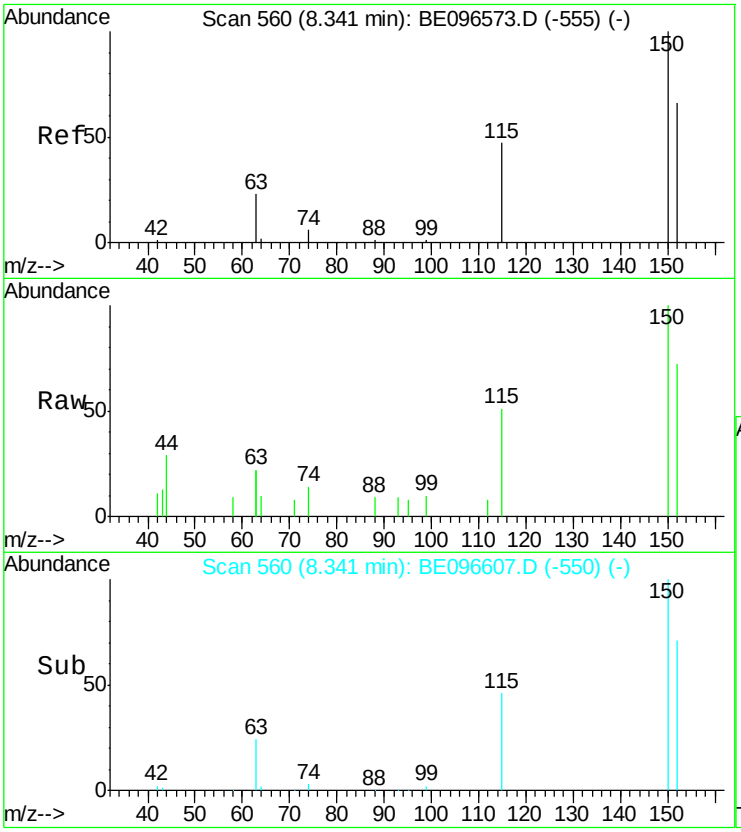
Quantitation Report (Not Reviewed)

Data File : BE096607.D
Acq On : 17 May 2018 13:35
Operator : SJ/JU
Sample : J2923-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Quant Time: May 18 05:12:49 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration



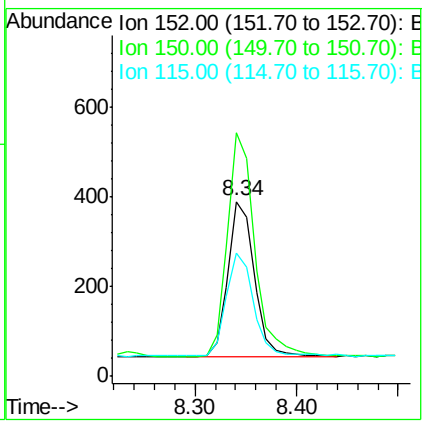


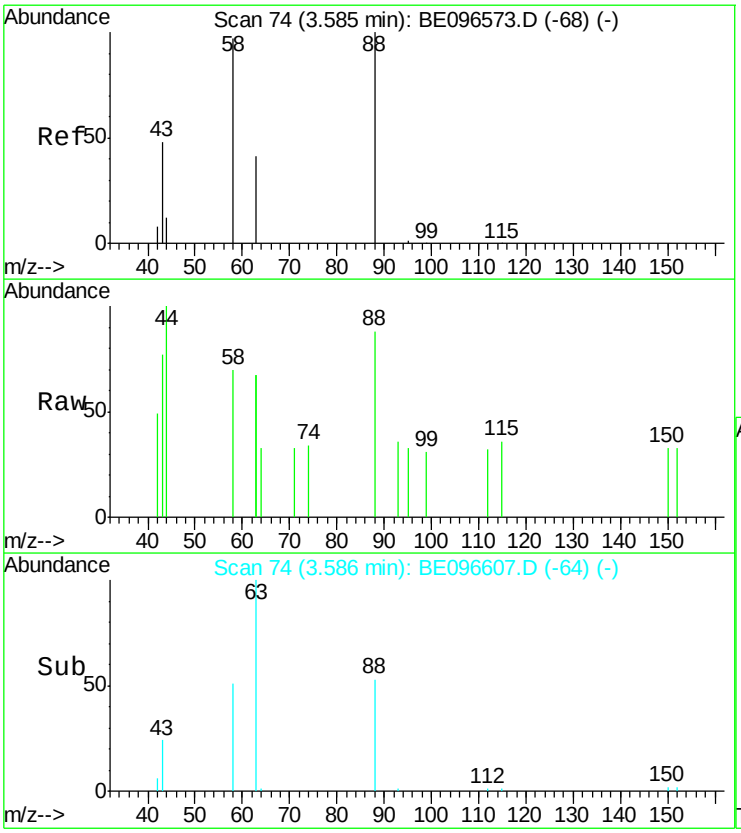
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 8.34 min Scan# 560
Delta R.T. 0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:152 Resp: 627

Ion	Ratio	Lower	Upper
152	100		
150	139.0	117.2	175.8
115	70.3	57.0	85.6

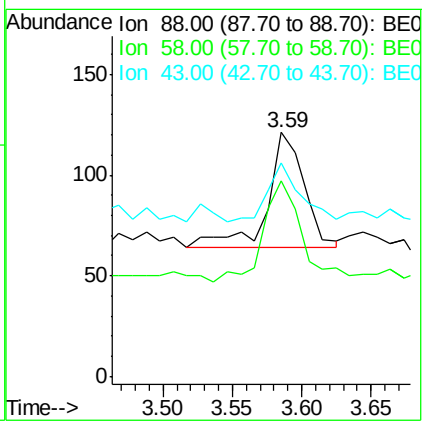


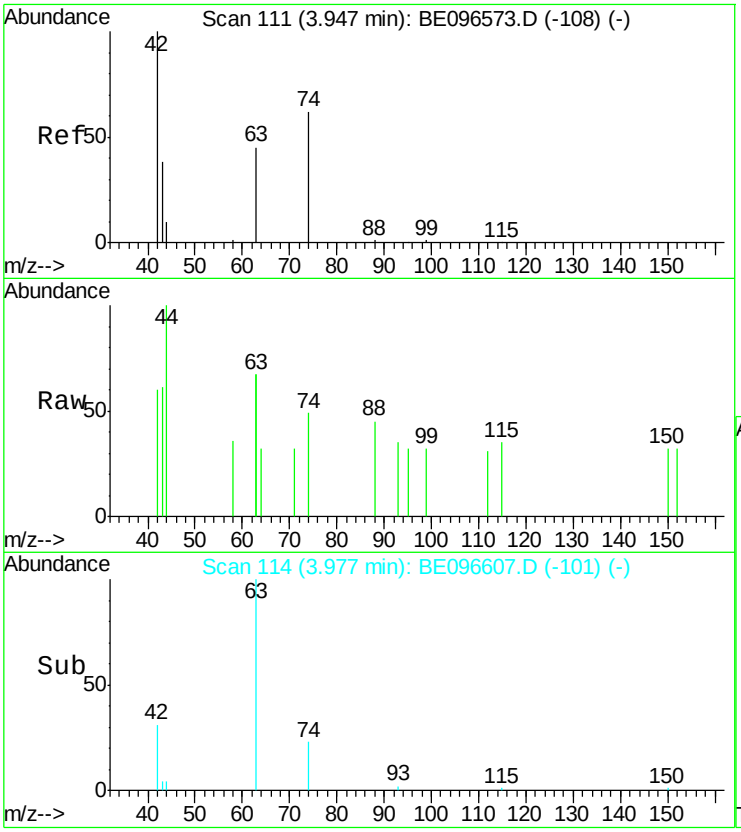


#2
1,4-Dioxane
Concen: 0.11 ng
RT: 3.59 min Scan# 74
Delta R.T. 0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion: 88 Resp: 105

Ion	Ratio	Lower	Upper
88	100		
58	92.4	63.2	94.8
43	45.7	41.2	61.8



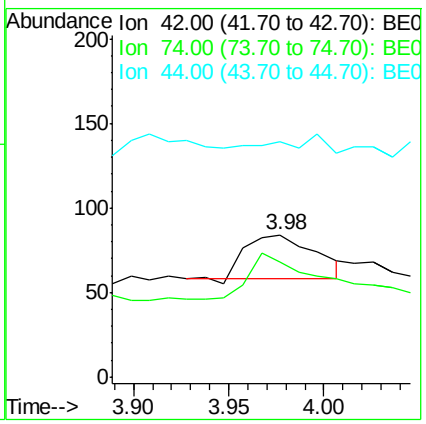


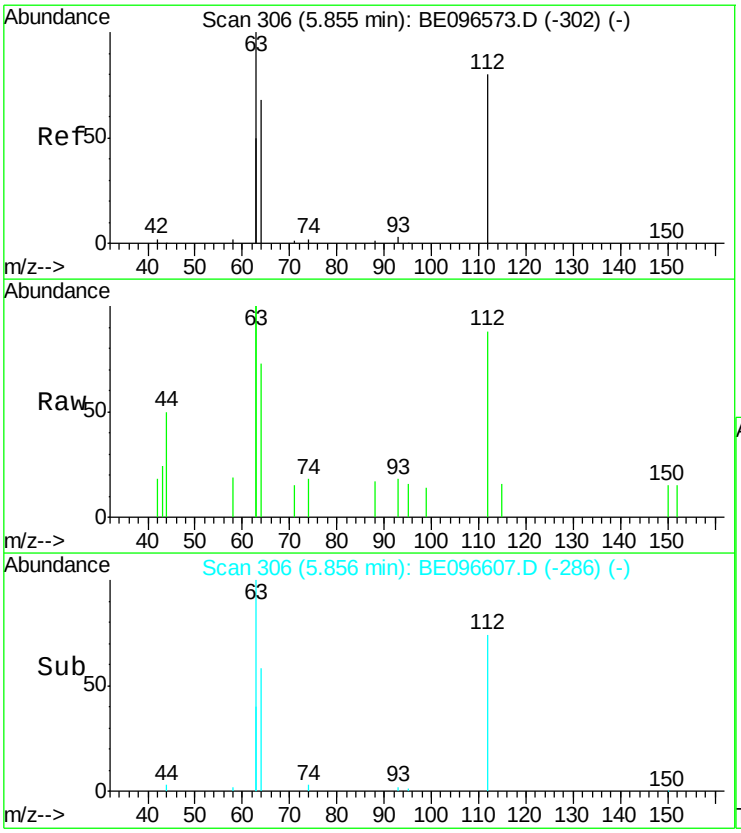
#3
n-Nitrosodimethylamine
Concen: 0.06 ng
RT: 3.98 min Scan# 114
Delta R.T. 0.03 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion: 42 Resp: 66

Ion	Ratio	Lower	Upper
42	100		
74	98.5	96.0	144.0
44	10.6	12.0	18.0#

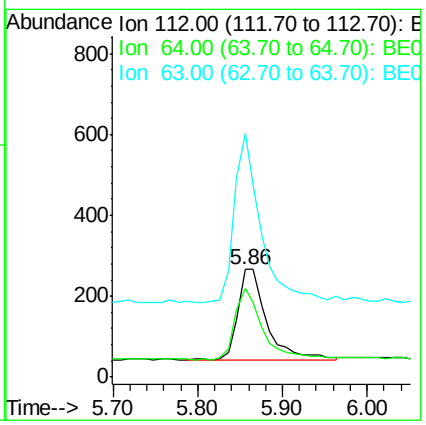


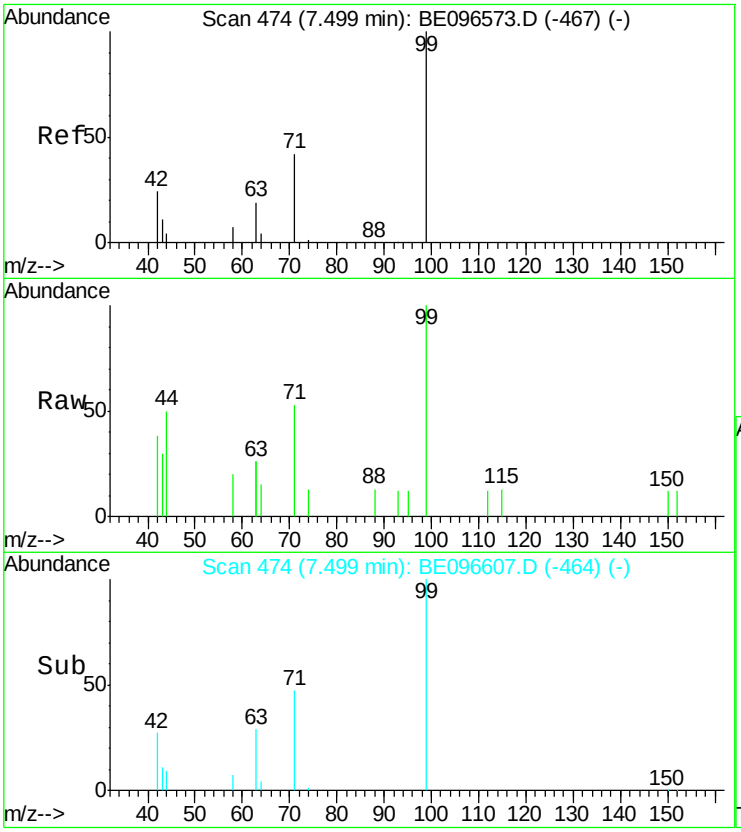


#4
2-Fluorophenol
Concen: 0.31 ng
RT: 5.86 min Scan# 306
Delta R.T. 0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:112 Resp: 530

Ion	Ratio	Lower	Upper
112	100		
64	79.8	60.1	90.1
63	171.9	116.8	175.2



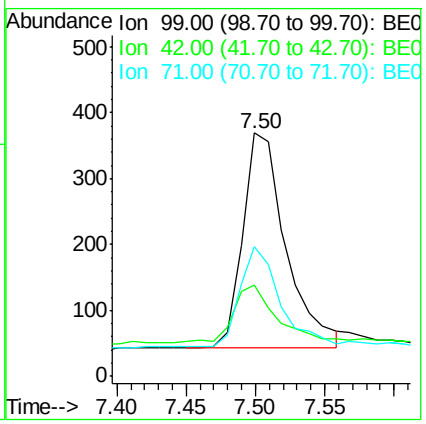


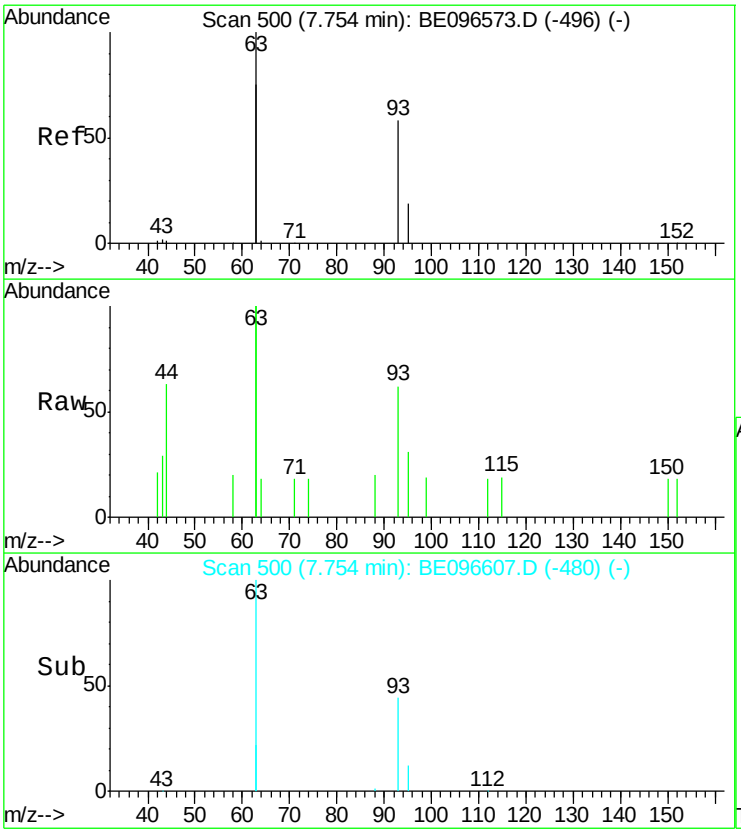
#5
Phenol-d6
Concen: 0.29 ng
RT: 7.50 min Scan# 474
Delta R.T. 0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion: 99 Resp: 709

Ion	Ratio	Lower	Upper
99	100		
42	25.7	20.2	30.2
71	43.2	28.4	42.6#

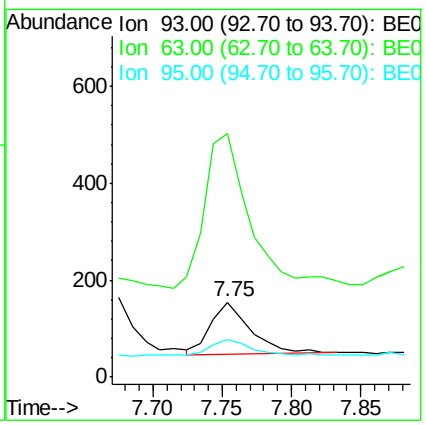


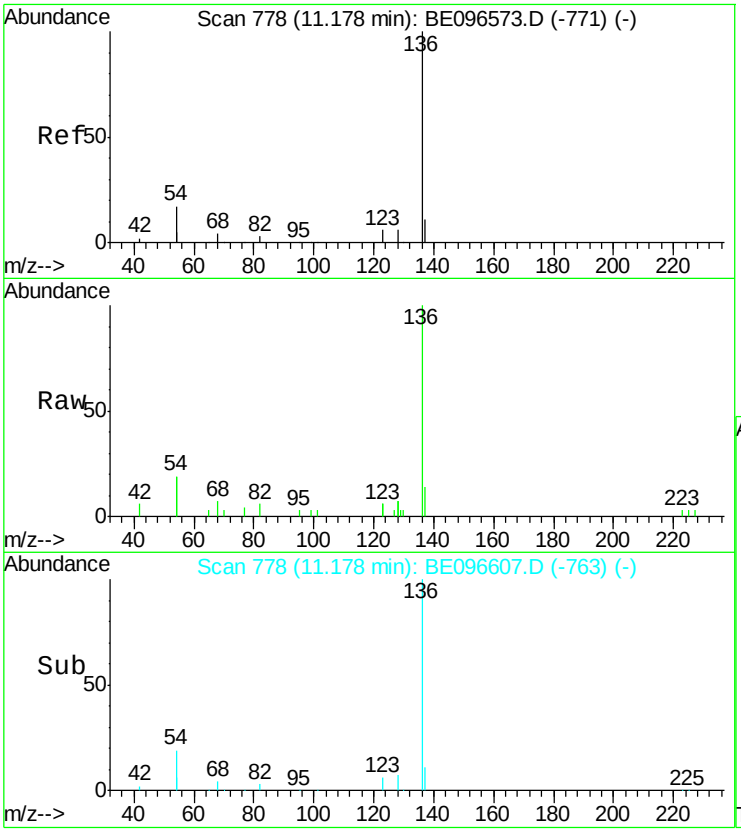


#6
bis(2-Chloroethyl)ether
Concen: 0.09 ng
RT: 7.75 min Scan# 500
Delta R.T. 0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion: 93 Resp: 212

Ion	Ratio	Lower	Upper
93	100		
63	342.5	275.3	412.9
95	31.1	25.2	37.8



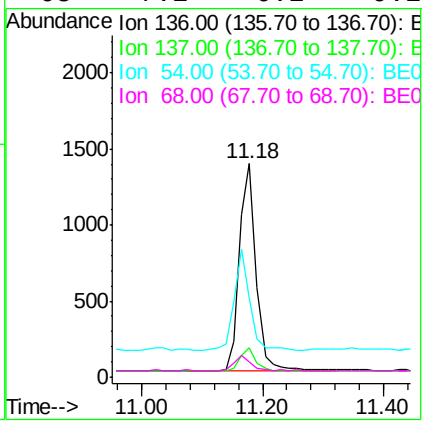


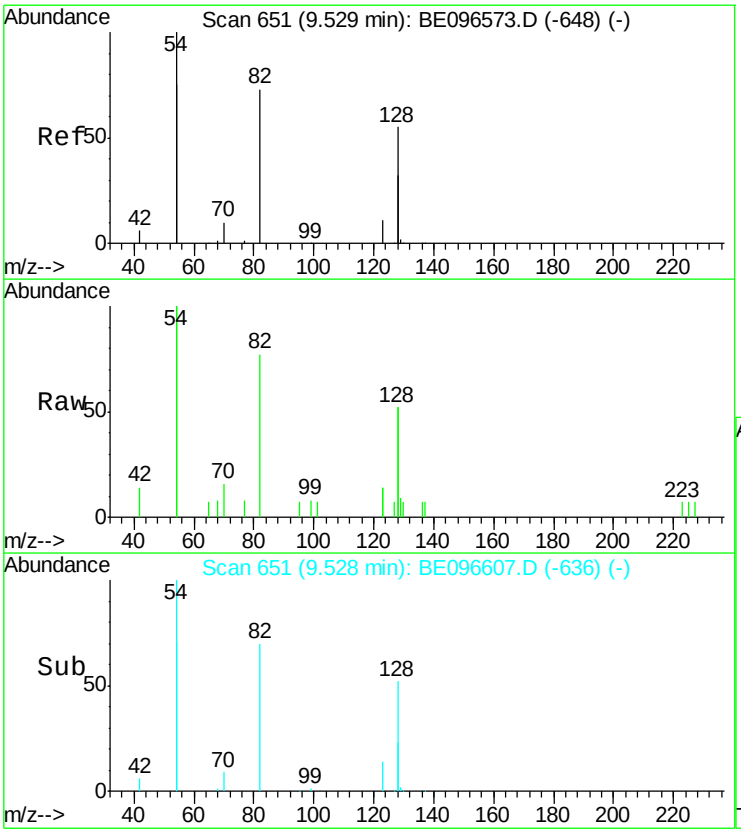
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 11.18 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:136 Resp: 2622

Ion	Ratio	Lower	Upper
136	100		
137	13.5	9.5	14.3
54	37.5	29.1	43.7
68	7.2	6.2	9.2

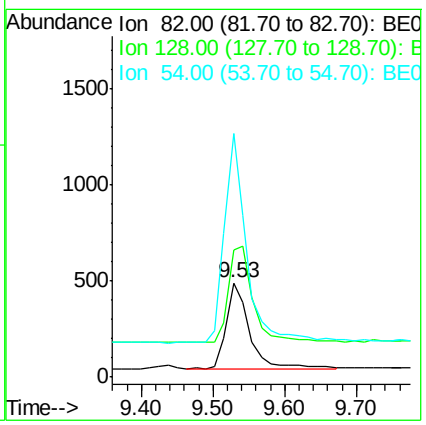


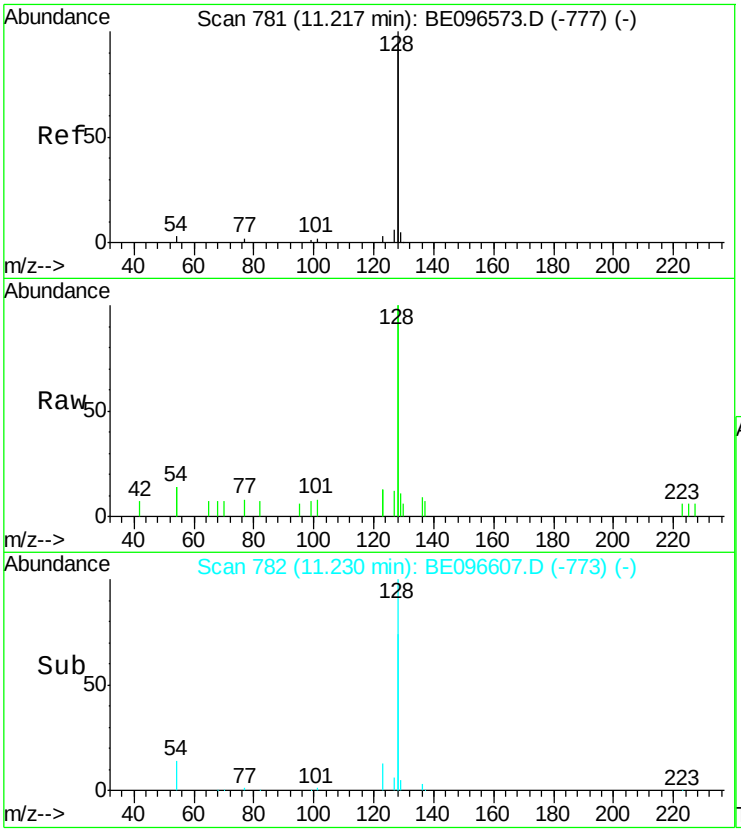


#8
Nitrobenzene-d5
Concen: 0.35 ng
RT: 9.53 min Scan# 651
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion: 82 Resp: 981

Ion	Ratio	Lower	Upper
82	100		
128	134.3	150.0	225.0#
54	258.4	154.2	231.4#



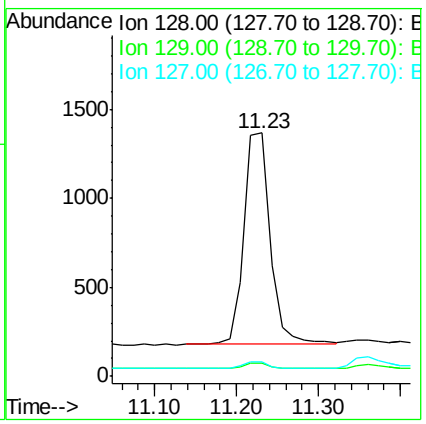


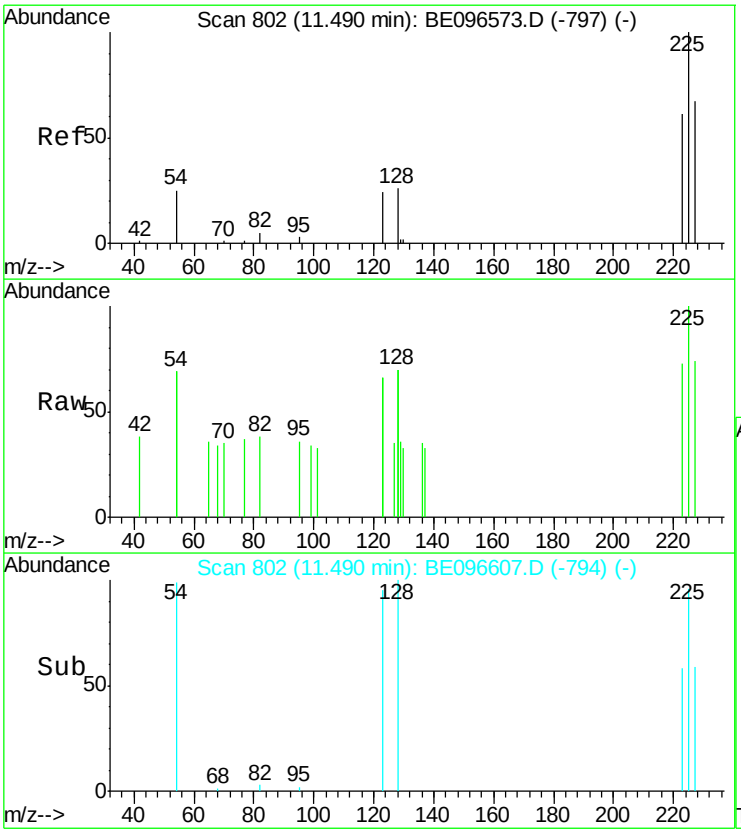
#9
Naphthalene
Concen: 0.10 ng
RT: 11.23 min Scan# 782
Delta R.T. 0.01 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:128 Resp: 2645

Ion	Ratio	Lower	Upper
128	100		
129	5.5	2.6	3.8#
127	6.2	2.8	4.2#

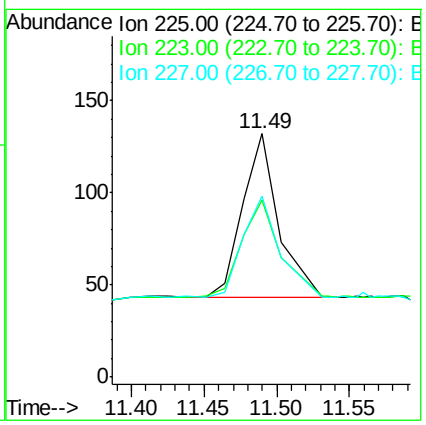


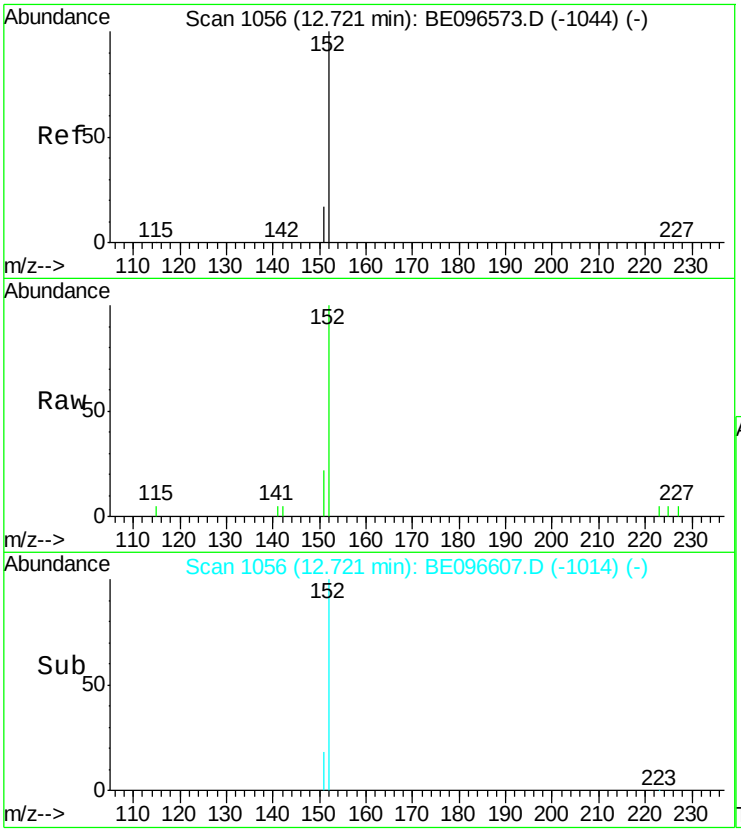


#10
Hexachlorobutadiene
Concen: 0.09 ng
RT: 11.49 min Scan# 802
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:225 Resp: 139

Ion	Ratio	Lower	Upper
225	100		
223	64.7	53.0	79.6
227	69.1	51.4	77.2



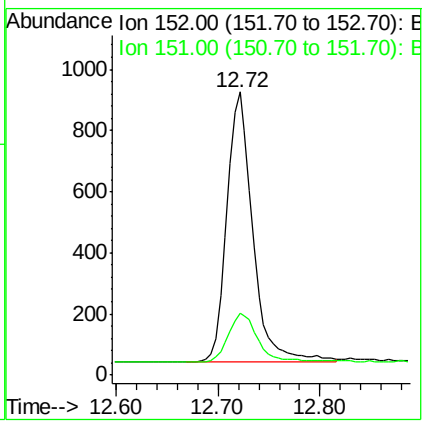


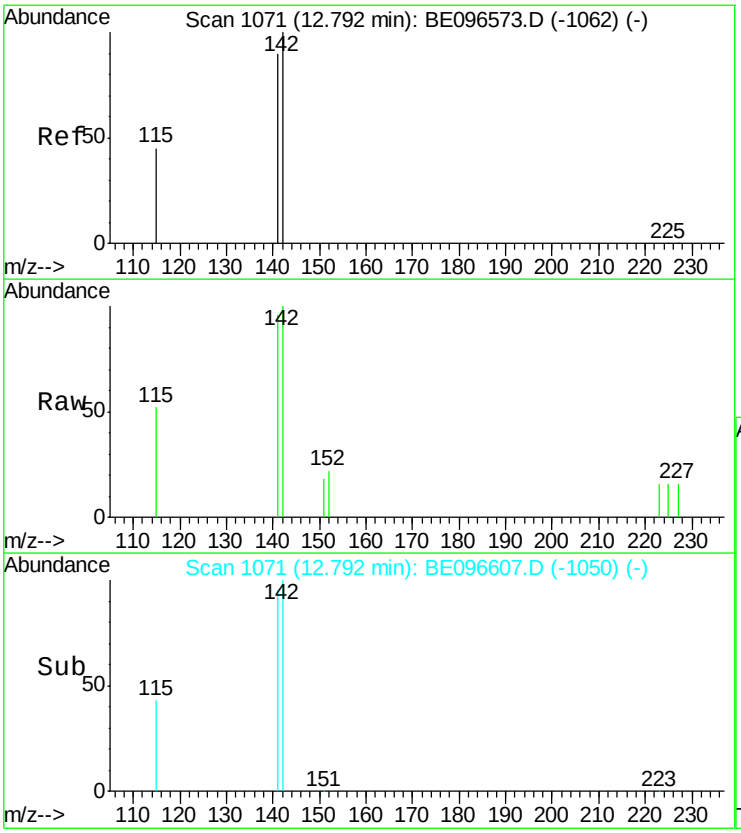
#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 12.72 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:152 Resp: 1568

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.0

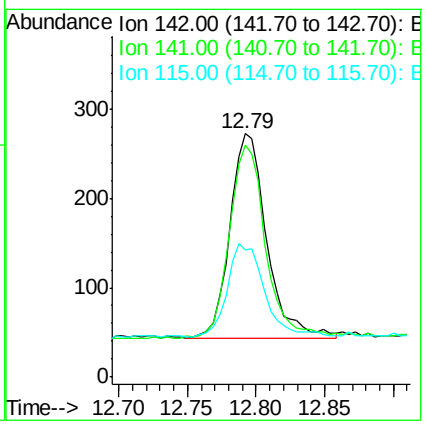


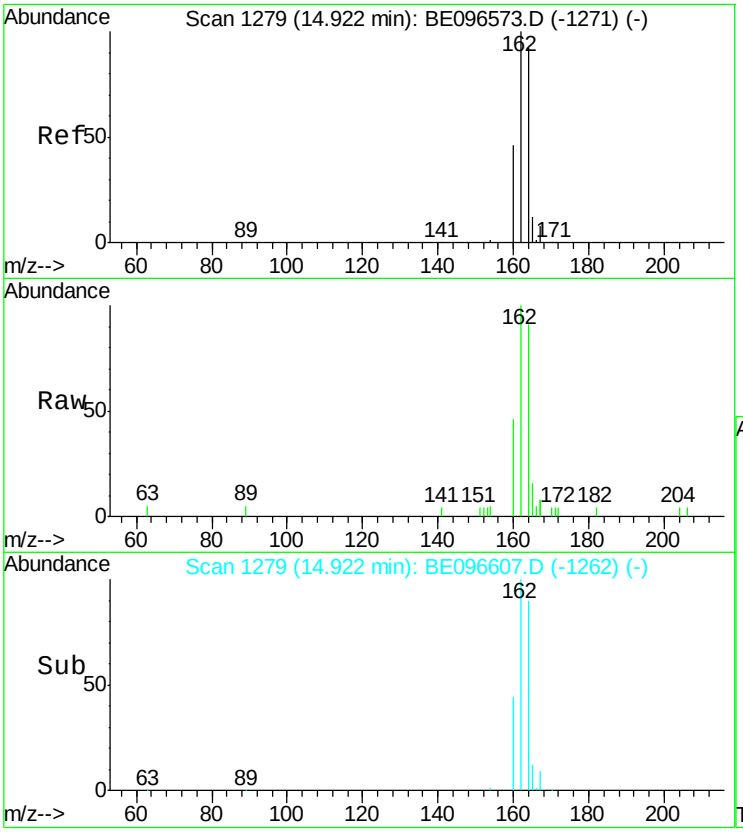


#12
2-Methylnaphthalene
Concen: 0.09 ng
RT: 12.79 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:142 Resp: 428

Ion	Ratio	Lower	Upper
142	100		
141	95.6	70.4	105.6
115	52.2	31.7	47.5#



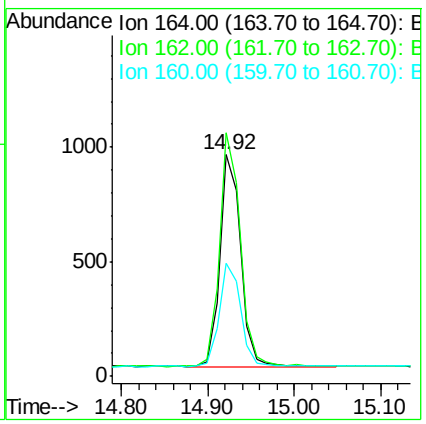


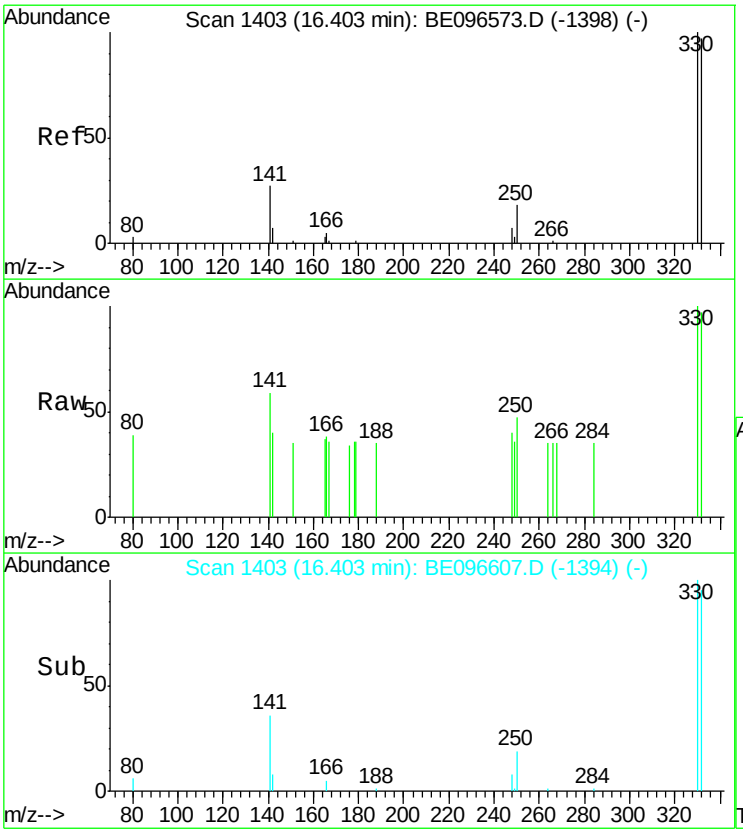
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.92 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:164 Resp: 1554

Ion	Ratio	Lower	Upper
164	100		
162	110.0	83.1	124.7
160	51.1	37.1	55.7

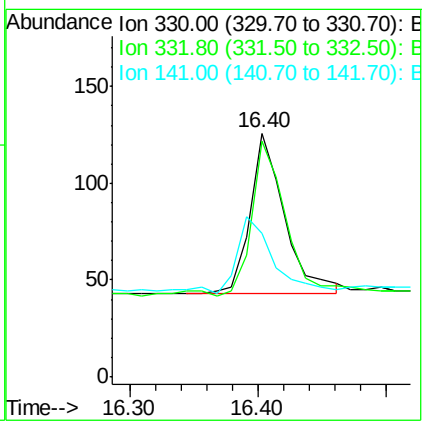


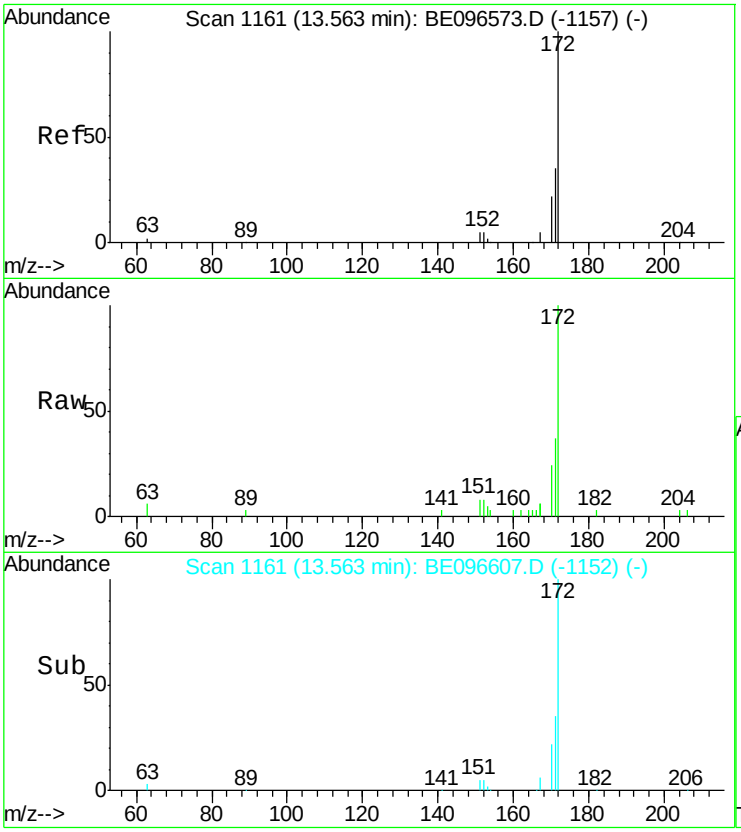


#14
2,4,6-Tribromophenol
Concen: 0.25 ng
RT: 16.40 min Scan# 1403
Delta R.T. 0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:330 Resp: 155

Ion	Ratio	Lower	Upper
330	100		
332	92.9	152.7	229.1#
141	47.1	33.7	50.5



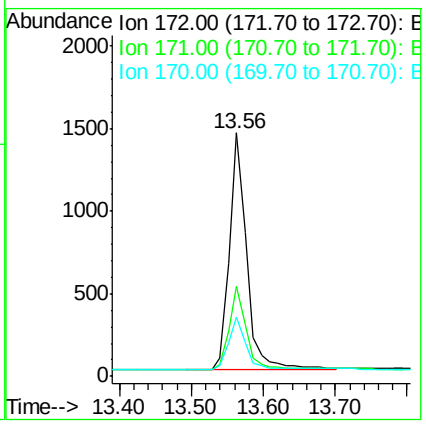


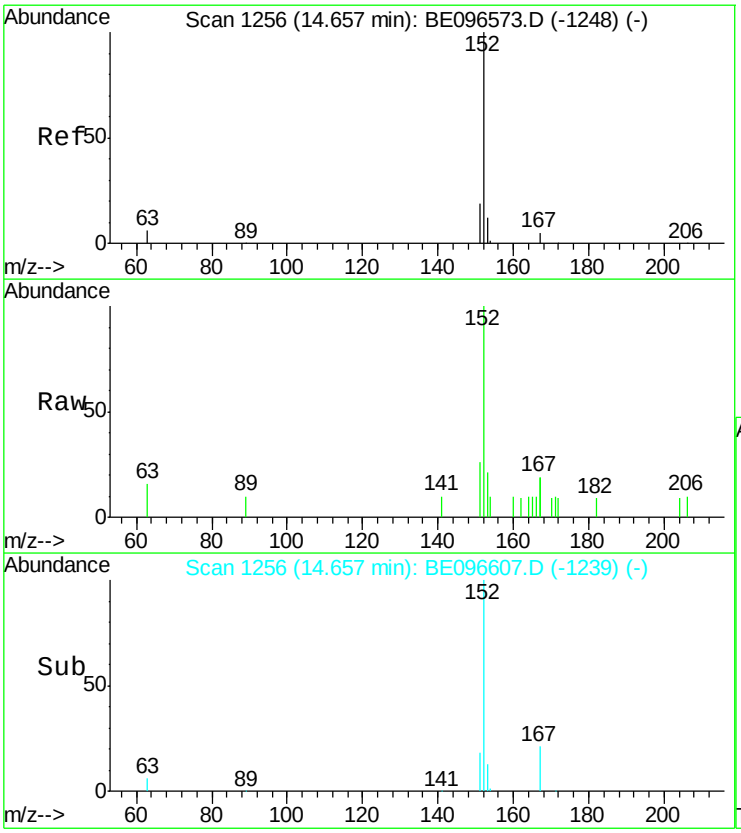
#15
2-Fluorobiphenyl
Concen: 0.36 ng
RT: 13.56 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:172 Resp: 2376

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.9	44.9
170	24.2	21.8	32.8

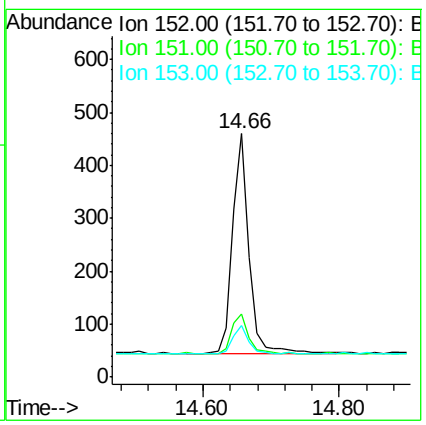


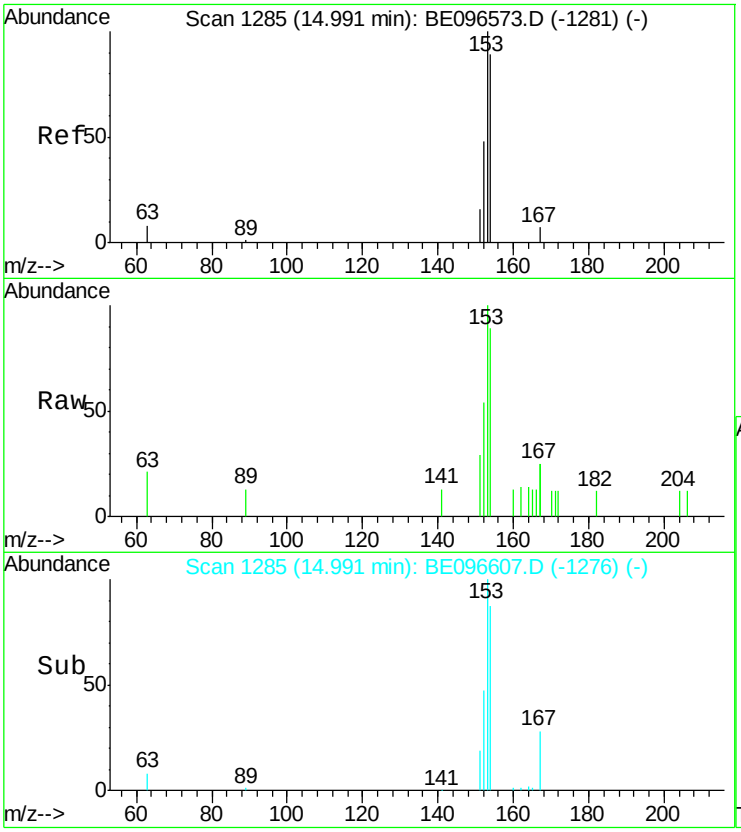


#16
Acenaphthylene
Concen: 0.09 ng
RT: 14.66 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:152 Resp: 710

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.8	10.5	15.7



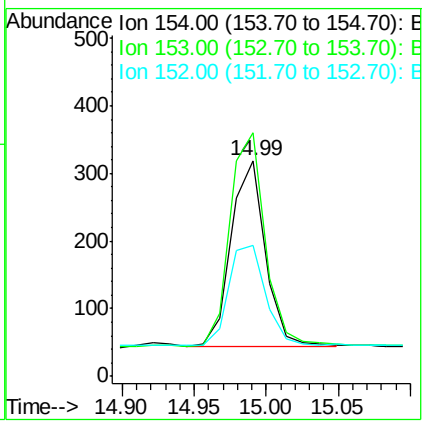


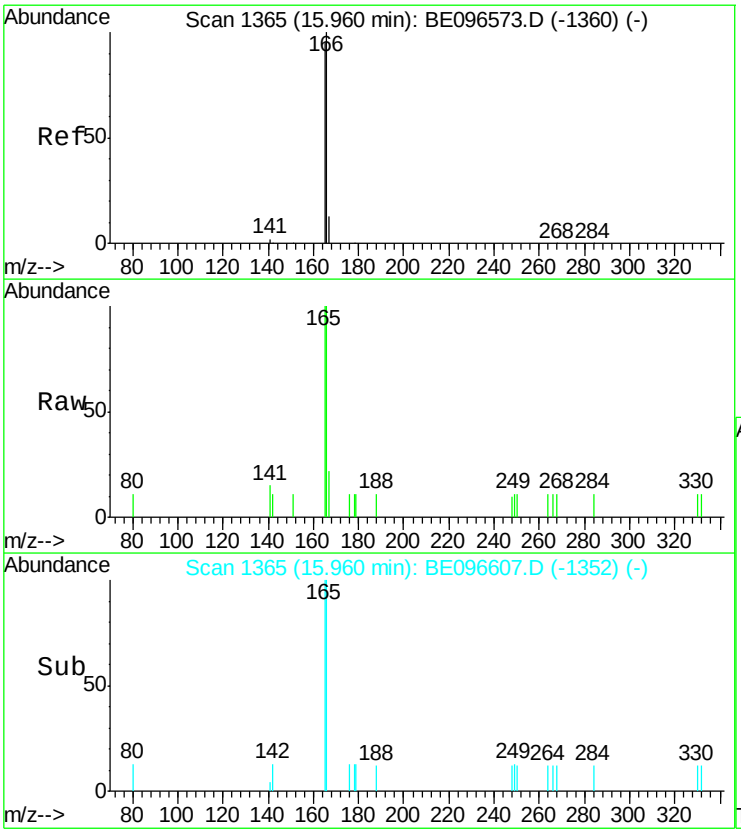
#17
Acenaphthene
Concen: 0.09 ng
RT: 14.99 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:154 Resp: 453

Ion	Ratio	Lower	Upper
154	100		
153	118.8	89.2	133.8
152	58.5	42.0	63.0

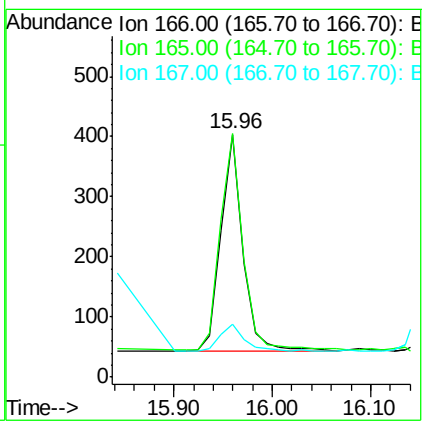


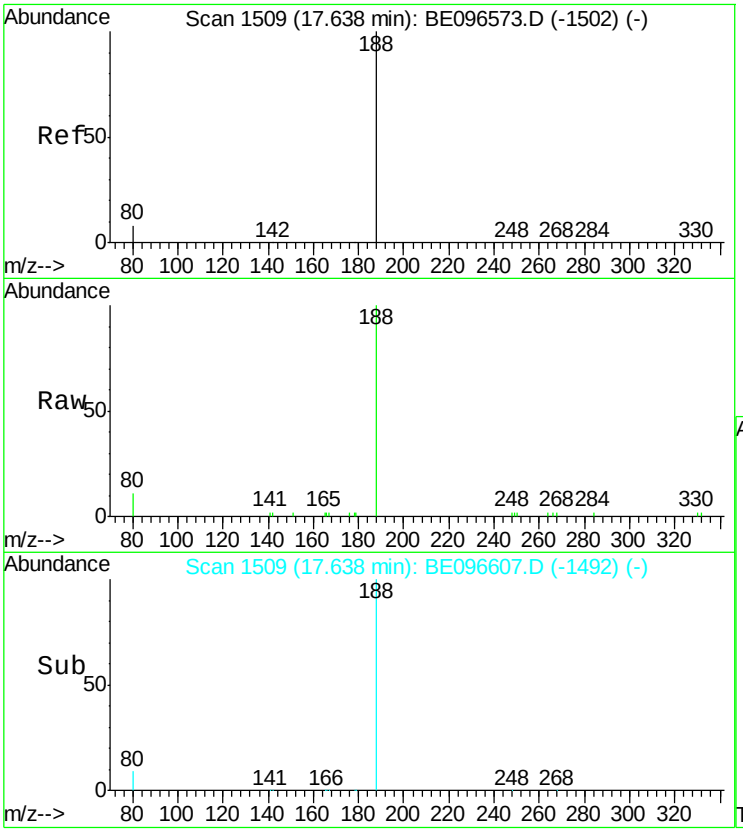


#18
Fluorene
Concen: 0.09 ng
RT: 15.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:166 Resp: 562

Ion	Ratio	Lower	Upper
166	100		
165	101.8	77.8	116.6
167	12.8	42.4	63.6#



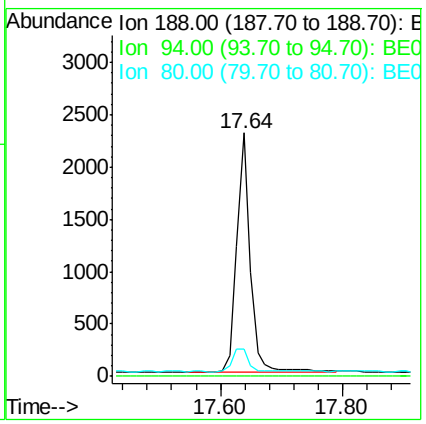


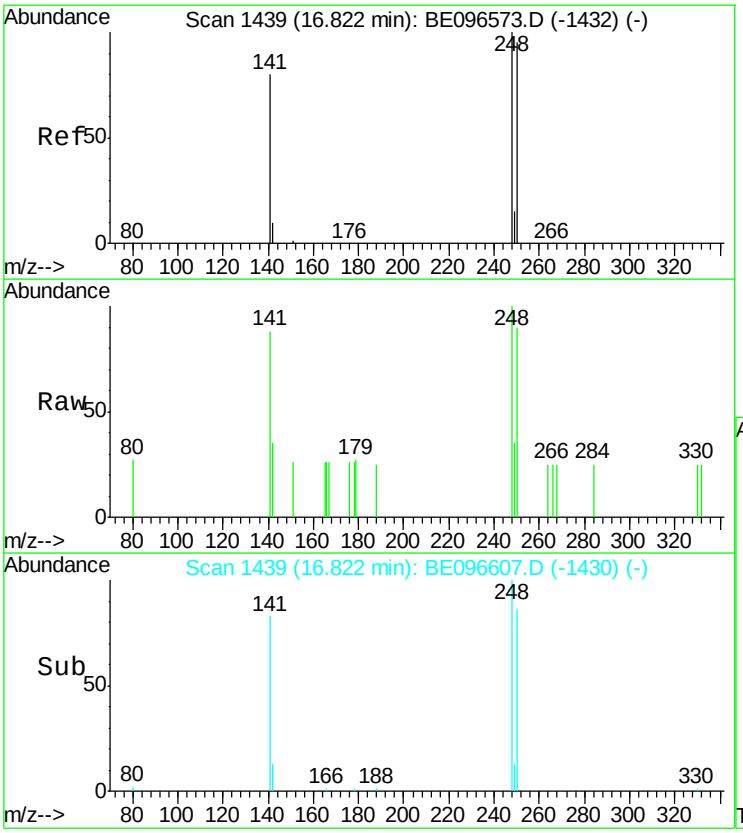
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.64 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:188 Resp: 3509

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.0	3.6	5.4#

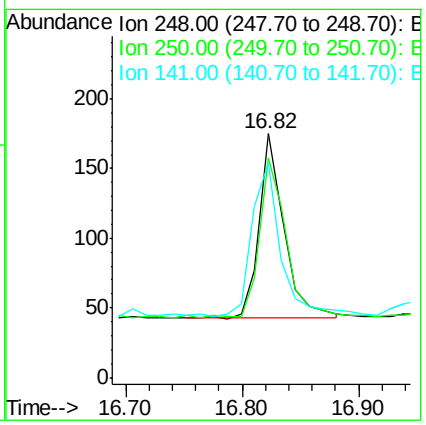


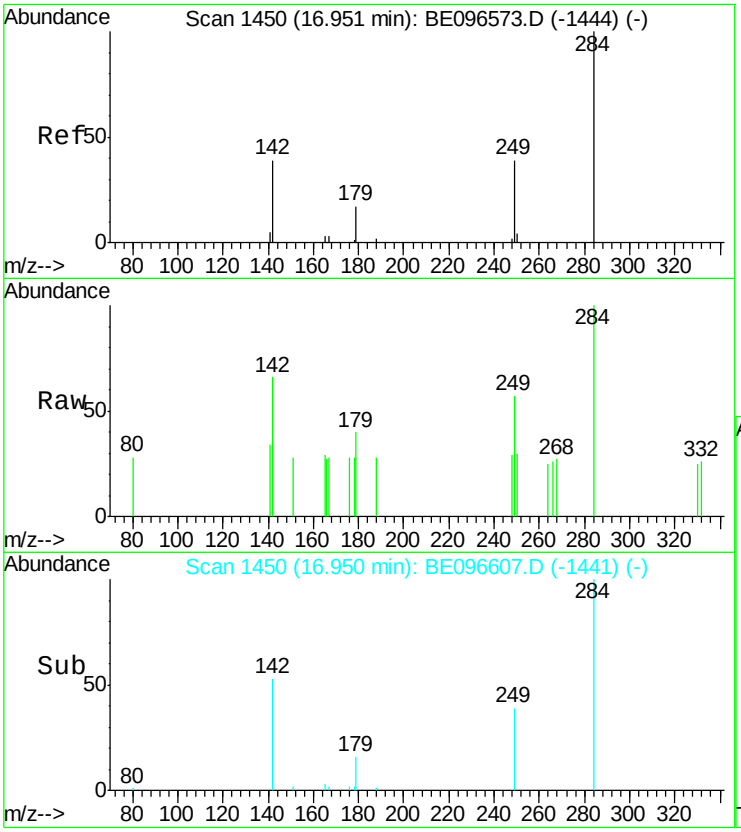


#20
4-Bromophenyl-phenylether
Concen: 0.09 ng
RT: 16.82 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:248 Resp: 196

Ion	Ratio	Lower	Upper
248	100		
250	90.3	62.7	94.1
141	88.0	48.2	72.2#



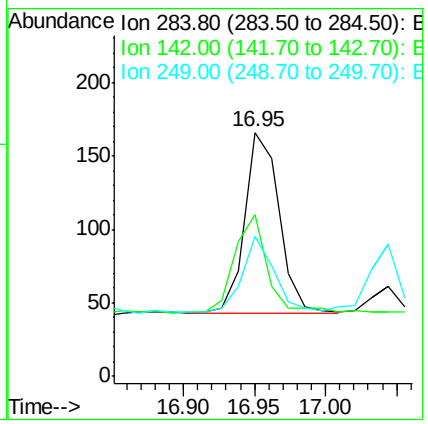


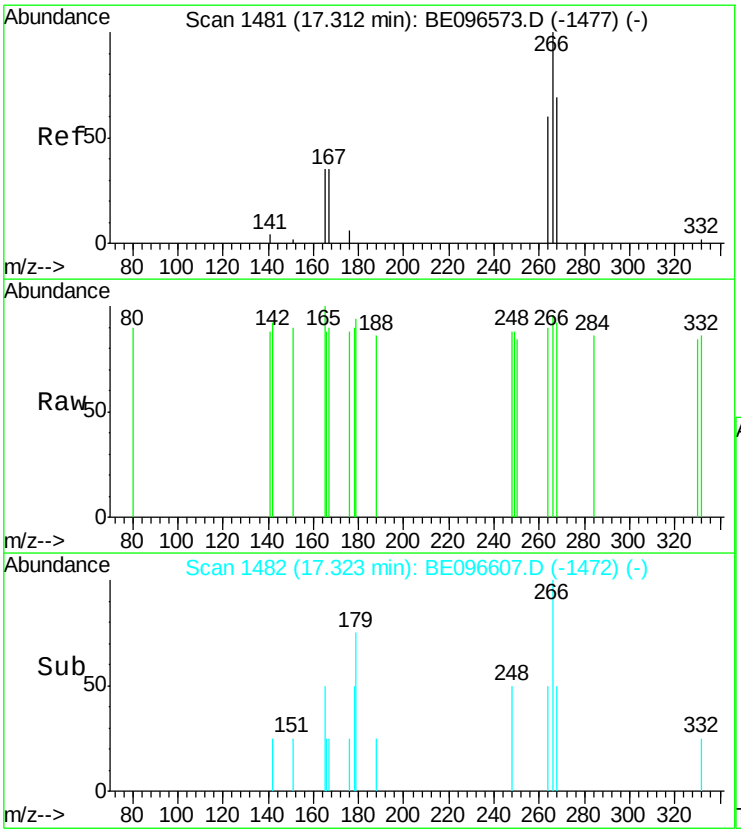
#21
Hexachlorobenzene
Concen: 0.09 ng
RT: 16.95 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:284 Resp: 206

Ion	Ratio	Lower	Upper
284	100		
142	52.4	22.1	33.1#
249	37.9	34.8	52.2

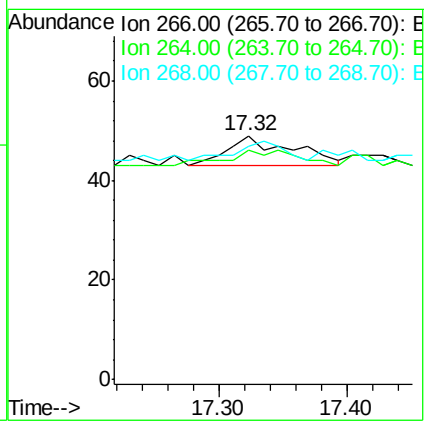


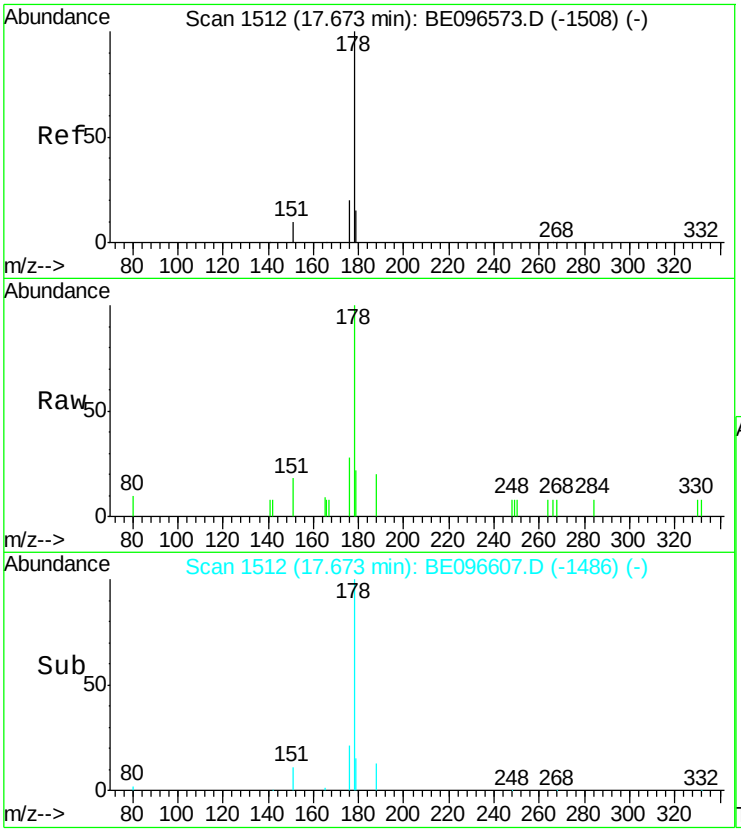


#22
Pentachlorophenol
Concen: 0.21 ng
RT: 17.32 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:266 Resp: 21

Ion	Ratio	Lower	Upper
266	100		
264	93.9	72.5	108.7
268	95.9	73.8	110.6



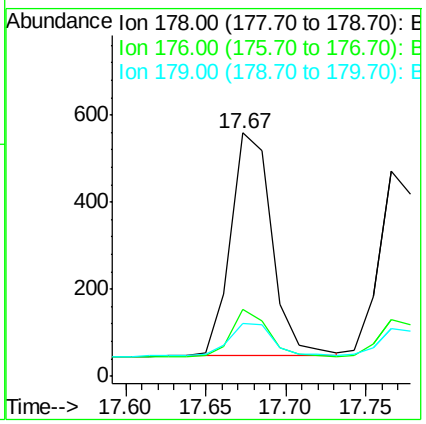


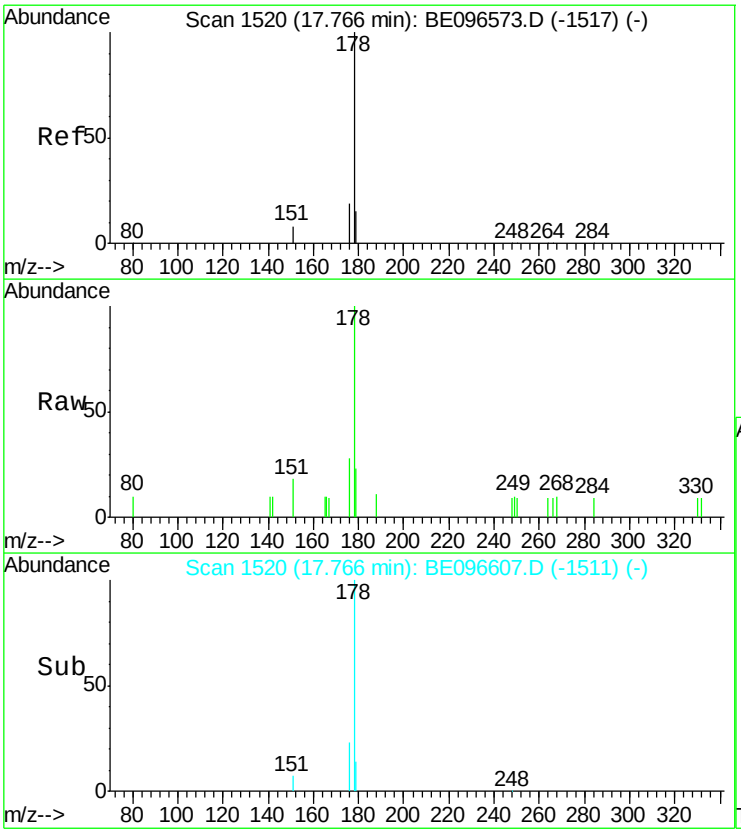
#23
Phenanthrene
Concen: 0.09 ng
RT: 17.67 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:178 Resp: 901

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	15.3	11.8	17.6

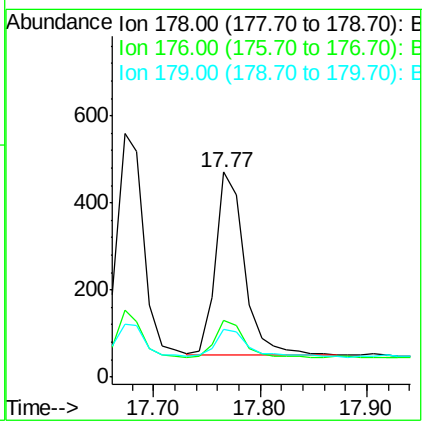


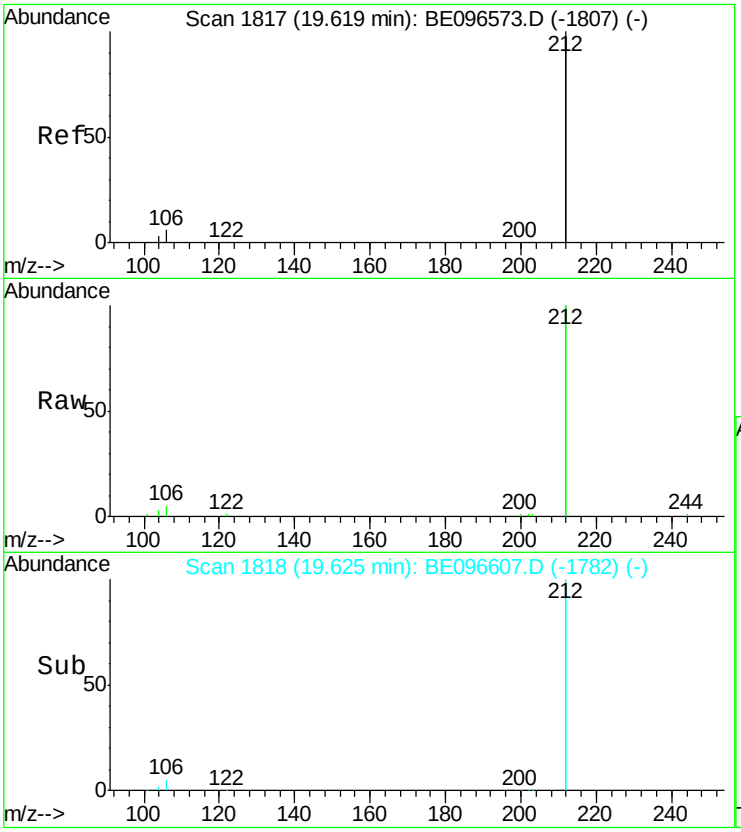


#24
Anthracene
Concen: 0.08 ng
RT: 17.77 min Scan# 1520
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:178 Resp: 777

Ion	Ratio	Lower	Upper
178	100		
176	19.8	12.8	19.2#
179	17.0	13.0	19.6



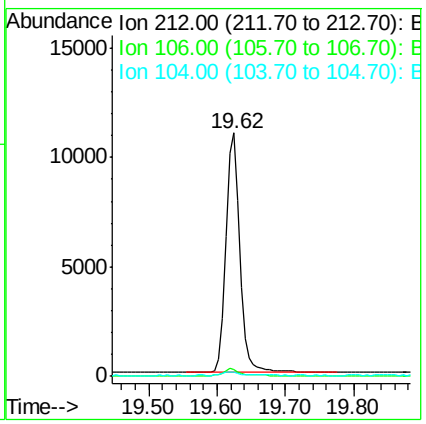


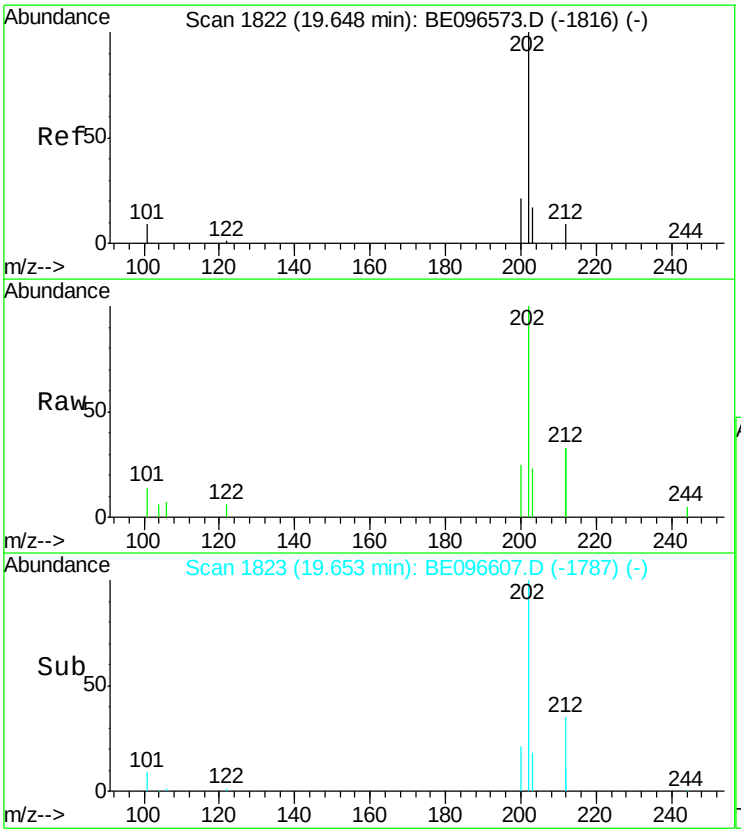
#25
Fluoranthene-d10
Concen: 0.37 ng
RT: 19.62 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:212 Resp: 15964

Ion	Ratio	Lower	Upper
212	100		
106	2.8	2.8	4.2#
104	1.5	1.6	2.4#

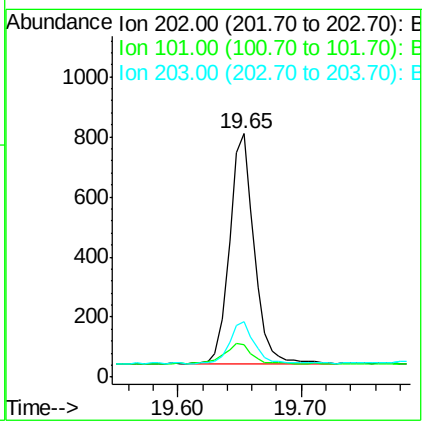


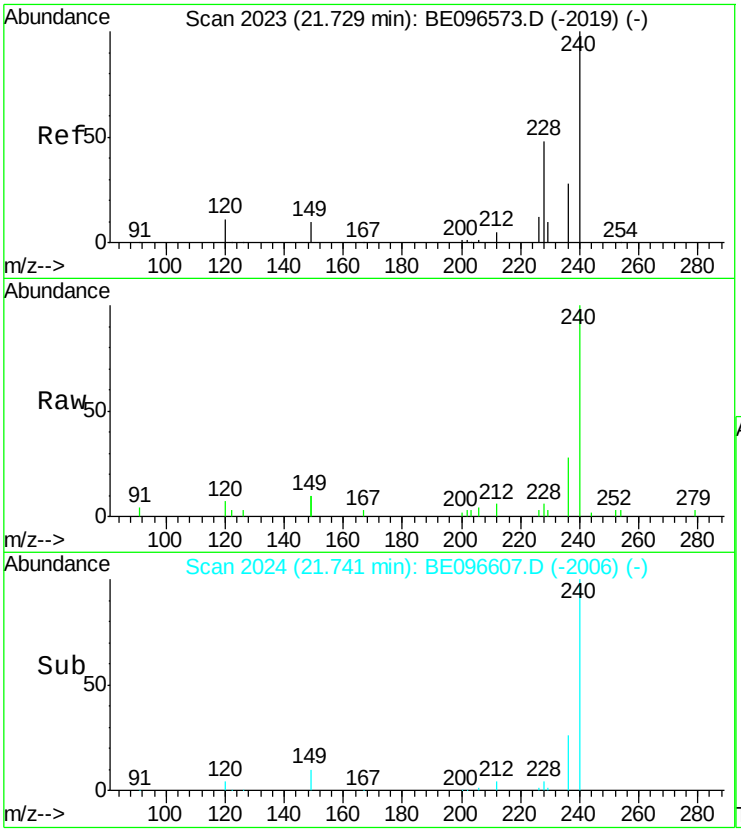


#26
Fluoranthene
Concen: 0.09 ng
RT: 19.65 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:202 Resp: 1063

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.8	14.8
203	18.8	13.7	20.5



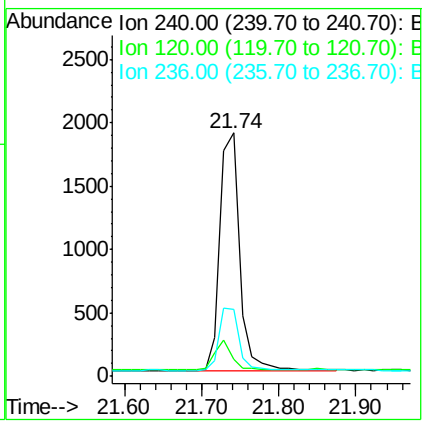


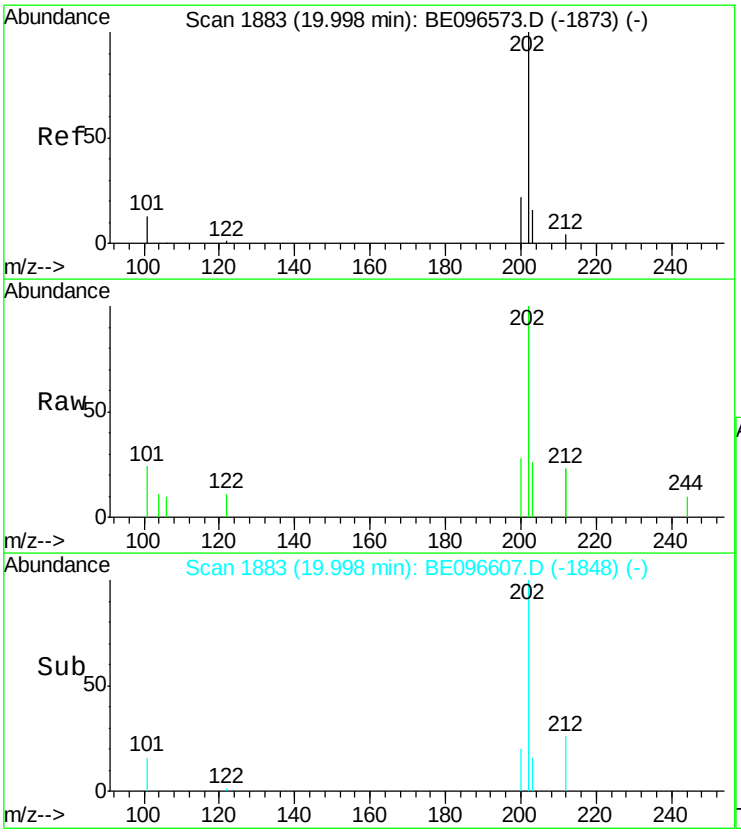
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.74 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:240 Resp: 3335

Ion	Ratio	Lower	Upper
240	100		
120	7.2	5.5	8.3
236	27.5	20.7	31.1

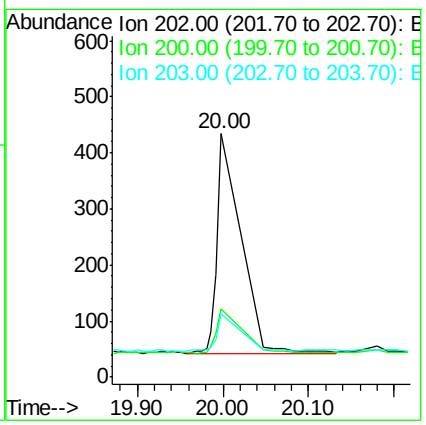


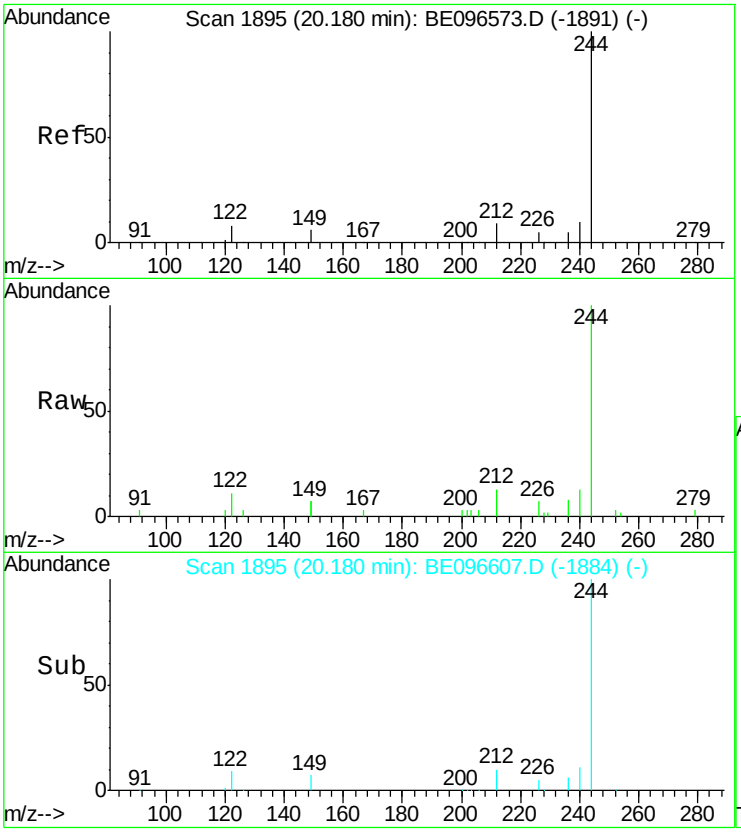


#28
Pyrene
Concen: 0.07 ng
RT: 20.00 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:202 Resp: 438

Ion	Ratio	Lower	Upper
202	100		
200	24.9	16.6	25.0
203	16.9	13.8	20.8



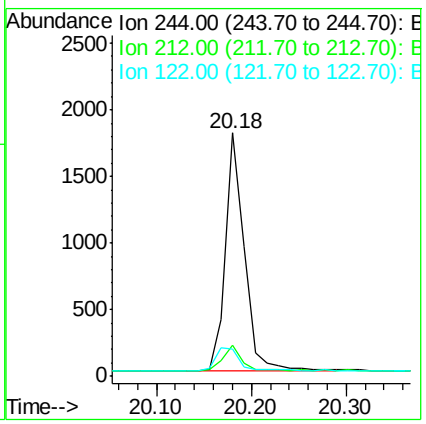


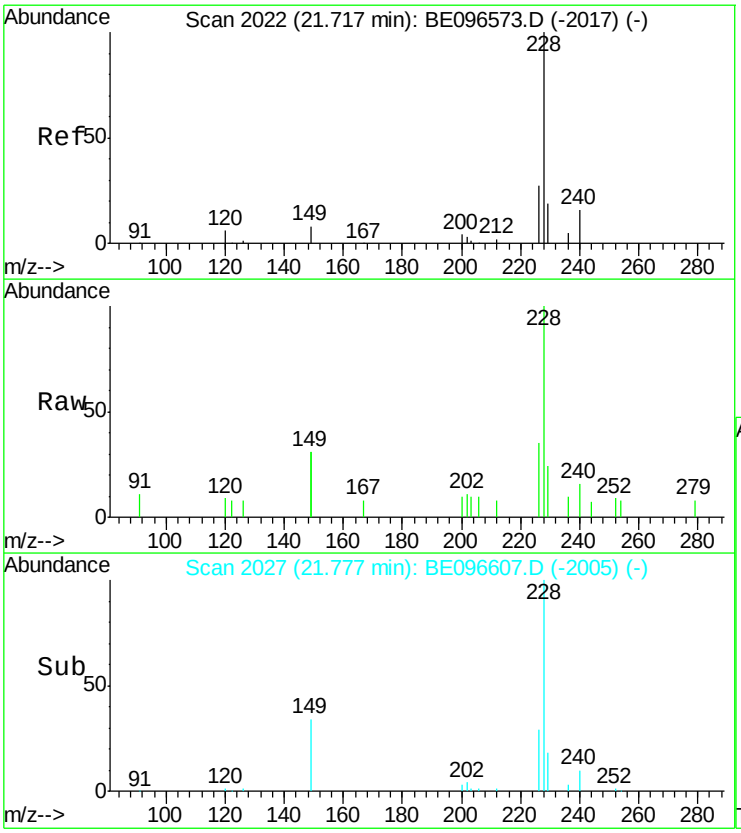
#29
Terphenyl-d14
Concen: 0.33 ng
RT: 20.18 min Scan# 1895
Delta R.T. 0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:244 Resp: 2461

Ion	Ratio	Lower	Upper
244	100		
212	12.5	25.4	38.0#
122	11.4	8.1	12.1

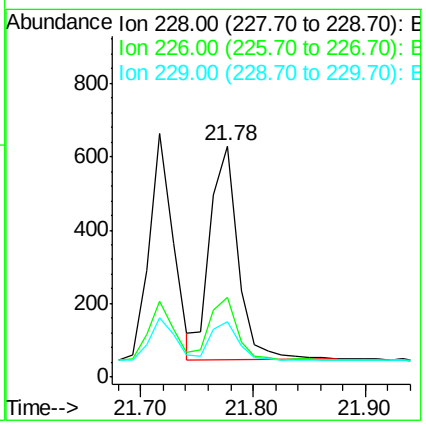


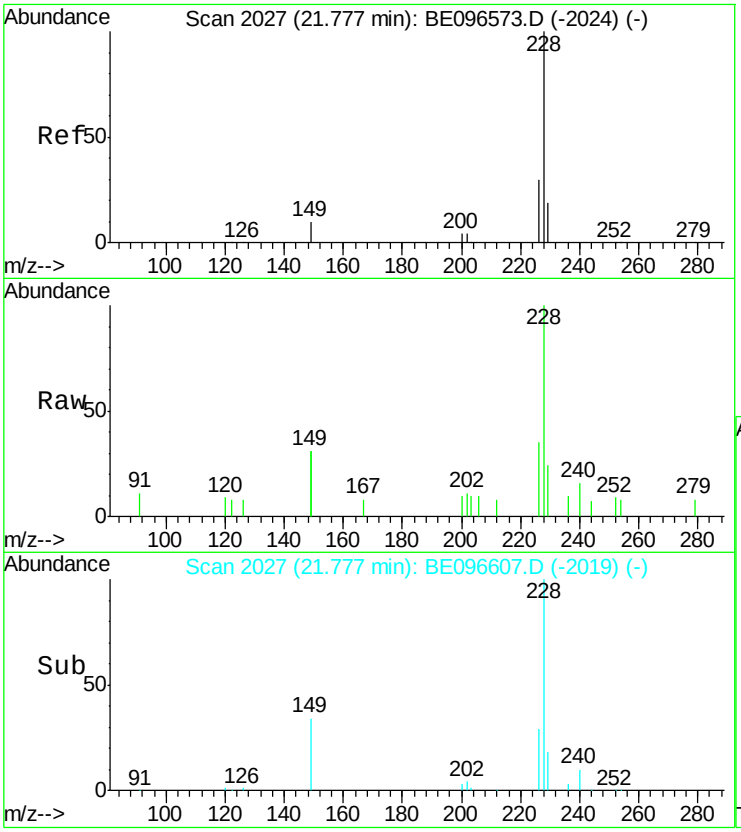


#30
Benzo(a)anthracene
Concen: 0.10 ng
RT: 21.78 min Scan# 2027
Delta R.T. 0.06 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:228 Resp: 1005

Ion	Ratio	Lower	Upper
228	100		
226	34.7	24.0	36.0
229	23.8	16.0	24.0



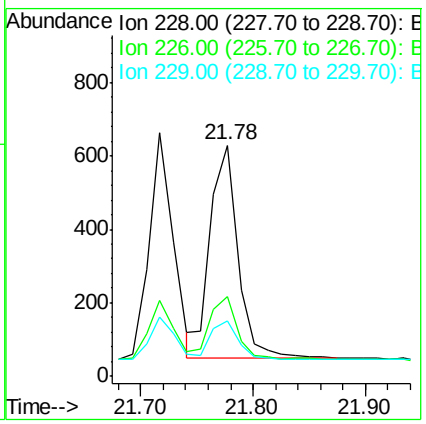


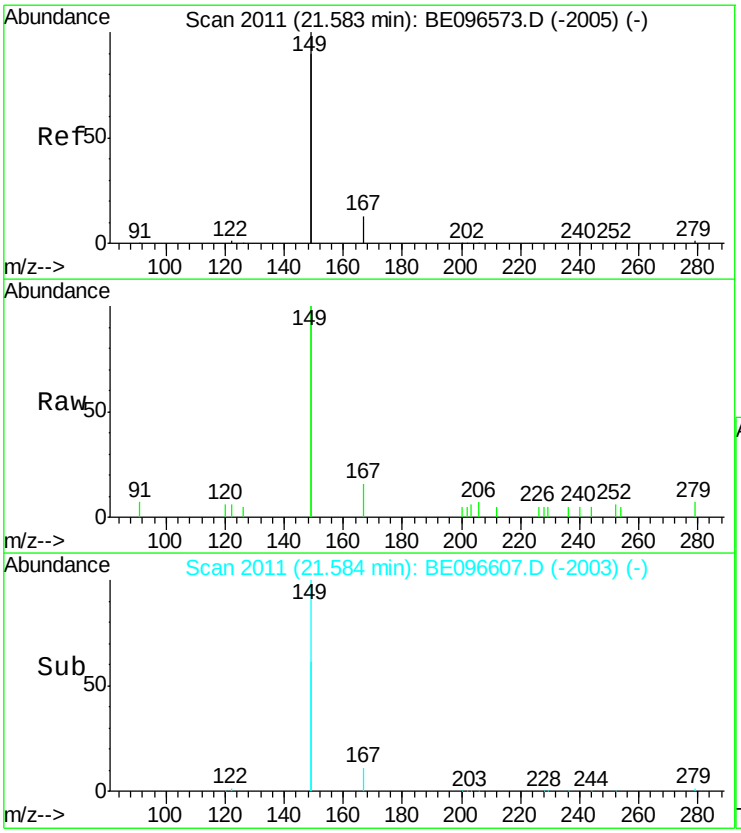
#31
Chrysene
Concen: 0.09 ng
RT: 21.78 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:228 Resp: 989

Ion	Ratio	Lower	Upper
228	100		
226	34.7	24.0	36.0
229	23.8	16.0	24.0

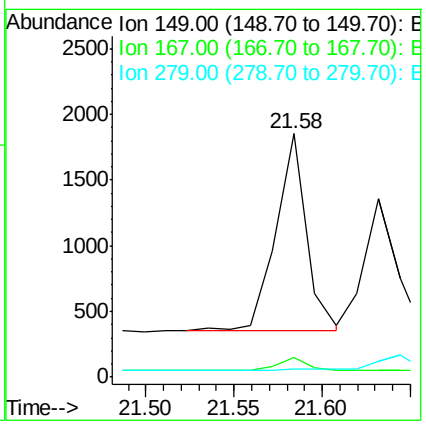


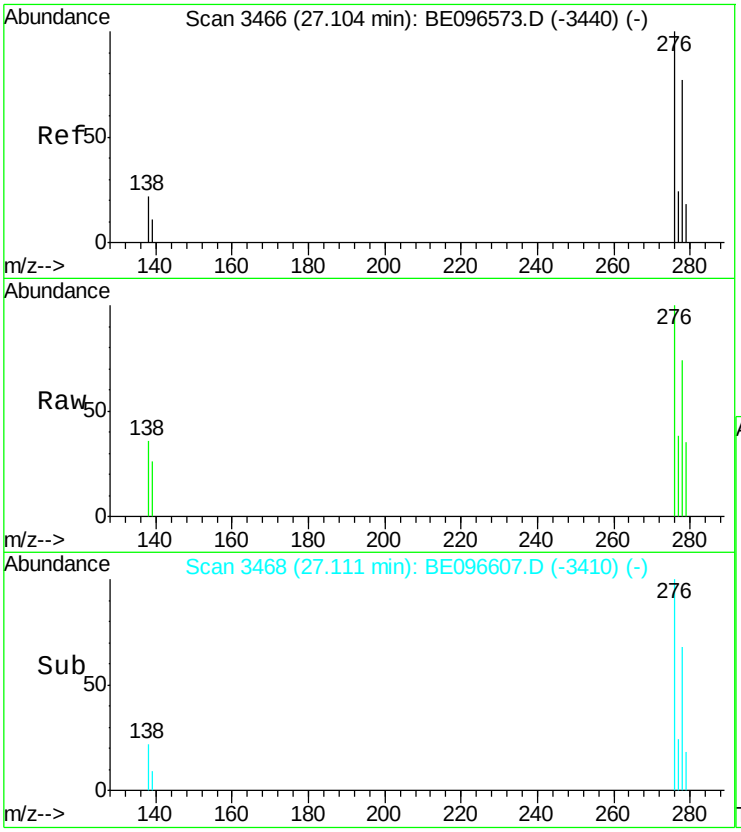


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.08 ng
RT: 21.58 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:149 Resp: 1801

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.4	8.0
279	1.1	0.7	1.1#



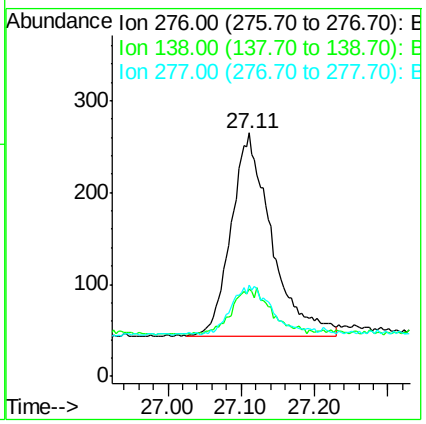


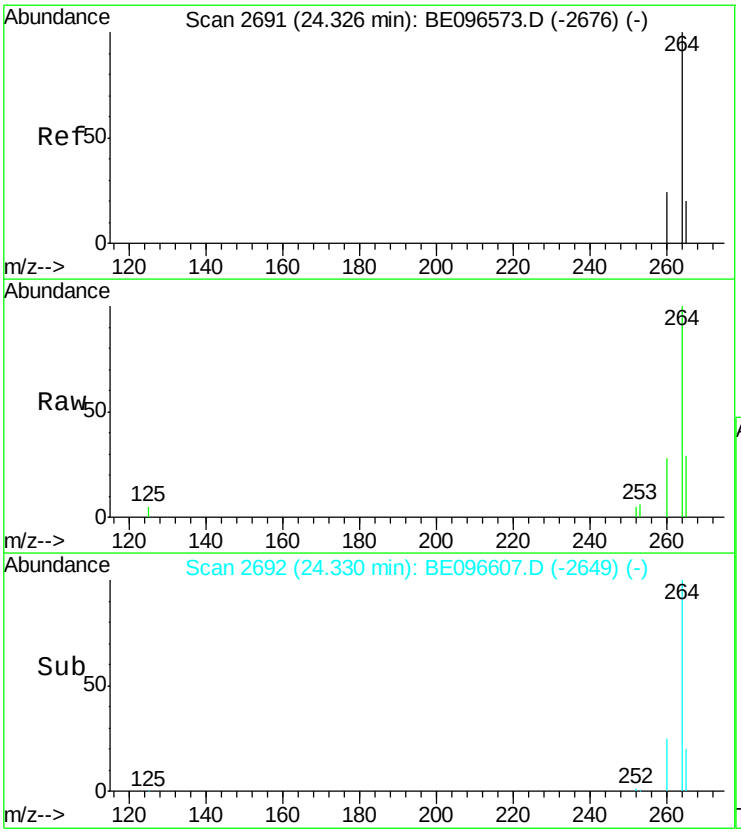
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 27.11 min Scan# 3468
Delta R.T. 0.01 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:276 Resp: 842

Ion	Ratio	Lower	Upper
276	100		
138	20.9	22.5	33.7#
277	24.0	19.9	29.9

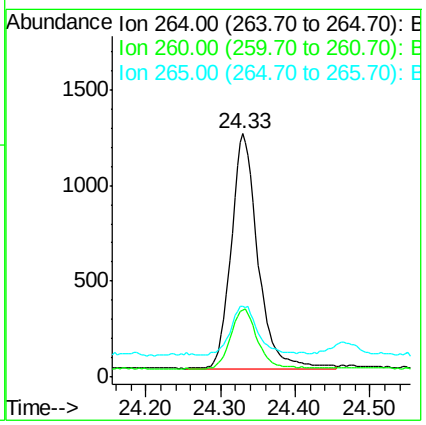


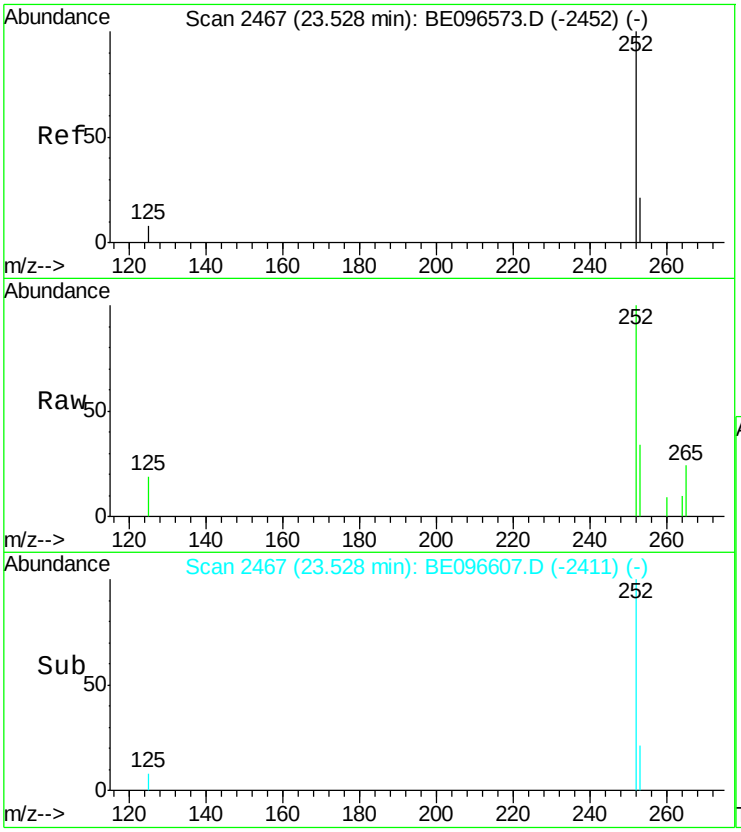


#34
Perylene-d12
Concen: 0.40 ng
RT: 24.33 min Scan# 2692
Delta R.T. 0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:264 Resp: 3047

Ion	Ratio	Lower	Upper
264	100		
260	27.7	20.5	30.7
265	29.1	22.8	34.2



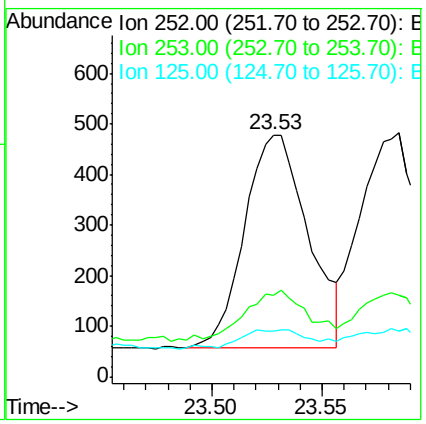


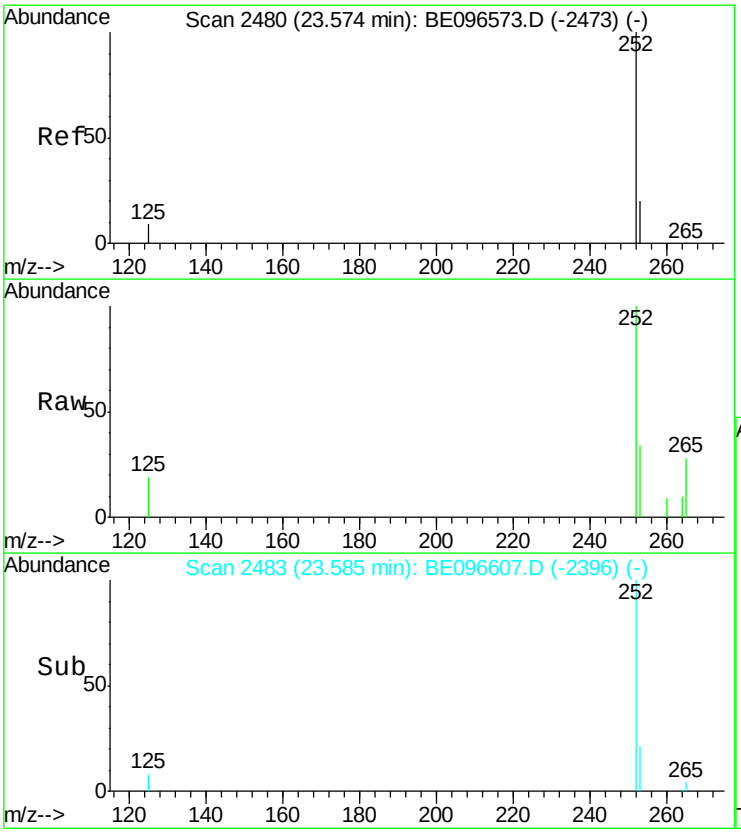
#35
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 23.53 min Scan# 2467
Delta R.T. -0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:252 Resp: 844

Ion	Ratio	Lower	Upper
252	100		
253	33.7	20.0	30.0#
125	19.0	16.0	24.0

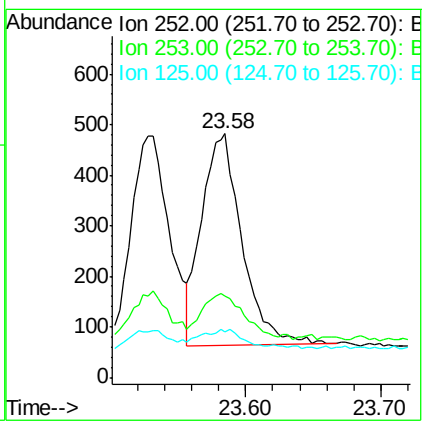


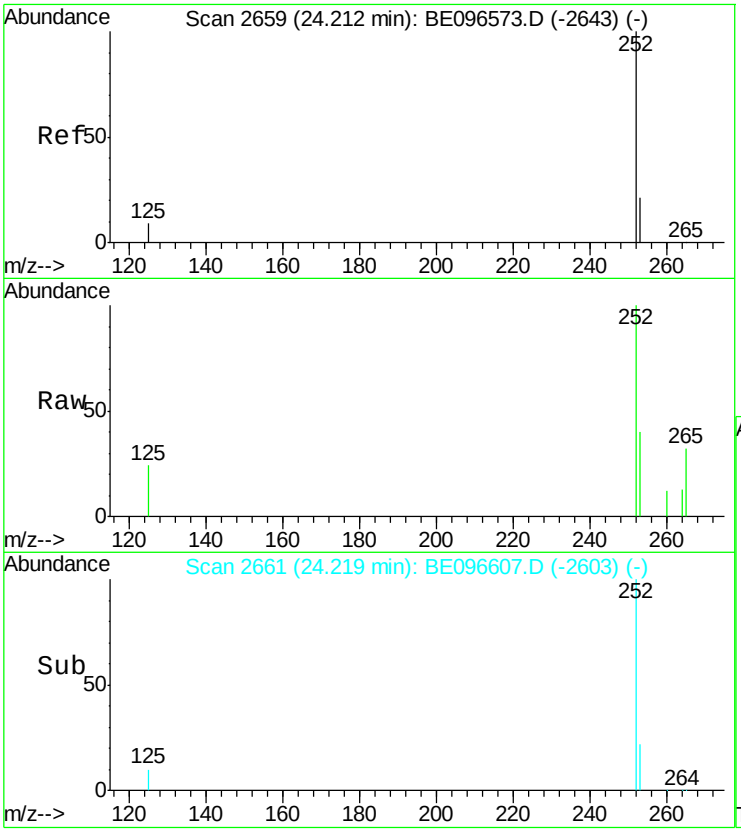


#36
Benzo(k)fluoranthene
Concen: 0.09 ng
RT: 23.58 min Scan# 2483
Delta R.T. 0.01 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:252 Resp: 872

Ion	Ratio	Lower	Upper
252	100		
253	33.6	16.0	24.0#
125	18.7	8.0	12.0#



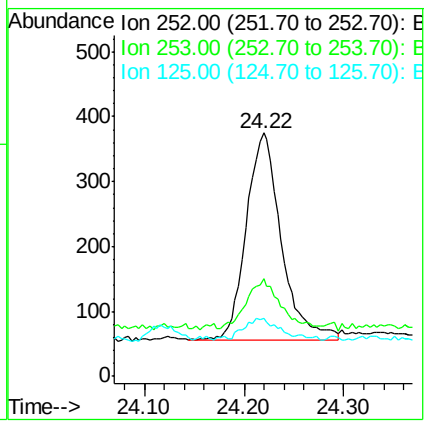


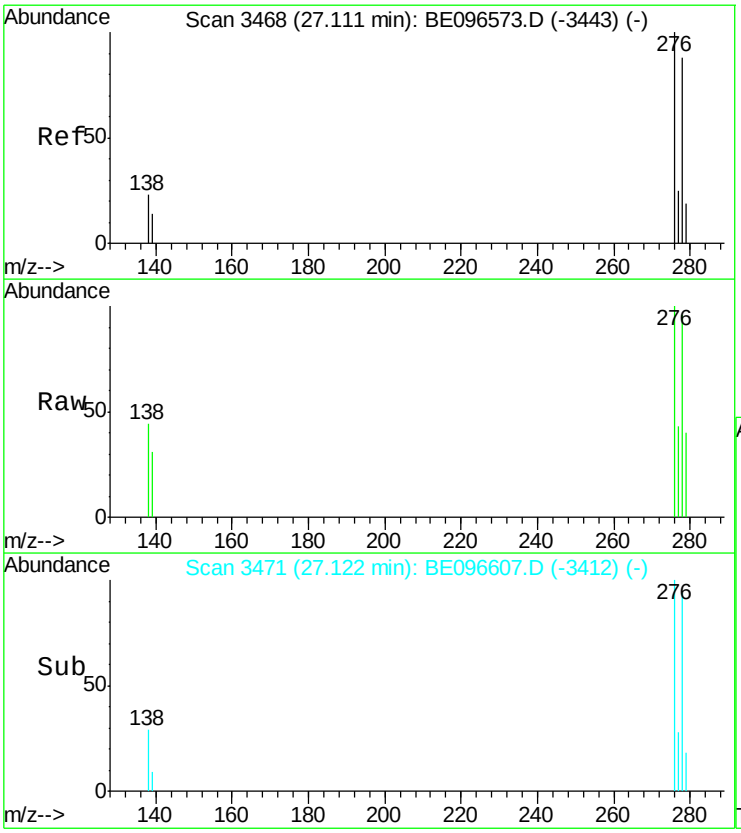
#37
Benzo(a)pyrene
Concen: 0.09 ng
RT: 24.22 min Scan# 2661
Delta R.T. 0.01 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:252 Resp: 781

Ion	Ratio	Lower	Upper
252	100		
253	40.0	16.0	24.0#
125	23.7	12.0	18.0#

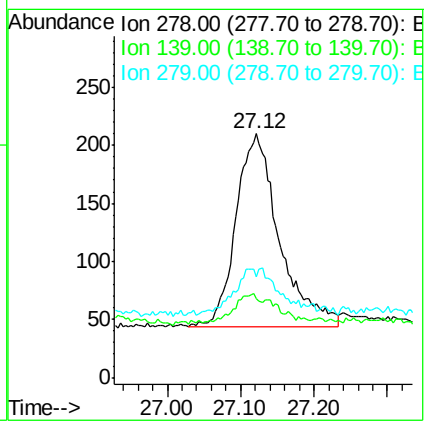


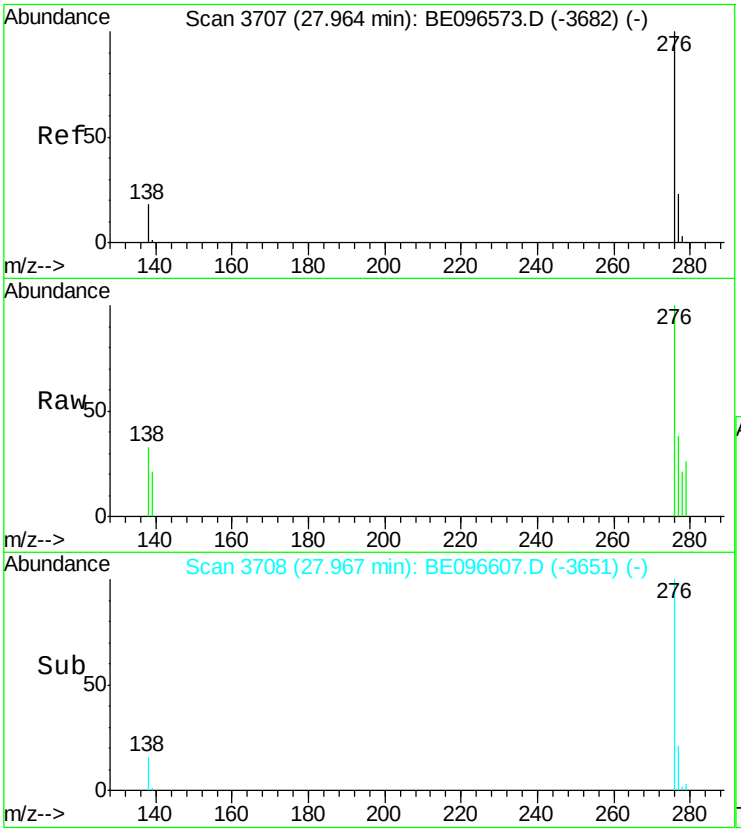


#38
Dibenzo(a,h)anthracene
Concen: 0.08 ng
RT: 27.12 min Scan# 3471
Delta R.T. 0.01 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Tgt Ion:278 Resp: 675

Ion	Ratio	Lower	Upper
278	100		
139	32.4	16.0	24.0#
279	41.4	20.0	30.0#





#39
Benzo(g,h,i)perylene
Concen: 0.09 ng
RT: 27.97 min Scan# 3708
Delta R.T. 0.00 min
Lab File: BE096607.D
Acq: 17 May 2018 13:35

Instrument :
BNA_E
ClientSampleId :
LOQ-SCM-Precision-Bias-2

Tgt Ion:276 Resp: 739

Ion	Ratio	Lower	Upper
276	100		
277	37.8	16.0	24.0#
138	33.0	20.0	30.0#