Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE030619\
Data File : BE098796.D
Acq On : 6 Mar 2019 13:22
Operator : JU/SJ
Sample : SSTDICC1.6
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC1.6

Quant Time: Mar 06 13:55:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 06 13:20:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	804	0.40	ng		0.00
7) Naphthalene-d8	10.59	136	3106	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	1929	0.40	ng		0.00
19) Phenanthrene-d10	17.21	188	5189	0.40	ng		0.00
27) Chrysene-d12	21.39	240	7701	0.40	ng		-0.01
34) Perylene-d12	23.90	264	7189	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	3943	1.84	ng		-0.01
5) Phenol-d6	6.97	99	5775	1.89	ng		-0.01
8) Nitrobenzene-d5	8.95	82	5854	2.38	ng		-0.01
11) 2-Methylnaphthalene-d10	12.20	152	9542	1.87	ng		0.00
14) 2,4,6-Tribromophenol	15.96	330	1905	2.27	ng		-0.02
15) 2-Fluorobiphenyl	13.07	172	13744	1.74	ng		-0.01
25) Fluoranthene-d10	19.25	212	146233	2.28	ng		0.00
29) Terphenyl-d14	19.84	244	30862	1.81	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	2260	1.425	ng		98
3) n-Nitrosodimethylamine	3.60	42	3561	3.062	ng	#	98
6) bis(2-Chloroethyl)ether	7.22	93	4336	1.878	ng	#	81
9) Naphthalene	10.63	128	59222	1.915	ng		99
10) Hexachlorobutadiene	10.91	225	3728	1.684	ng		100
12) 2-Methylnaphthalene	12.27	142	9956	1.941	ng		97
16) Acenaphthylene	14.18	152	17501	2.095	ng		97
17) Acenaphthene	14.51	154	10269	1.959	ng		98
18) Fluorene	15.50	166	14571	2.137	ng		99
20) 4-Bromophenyl-phenylether	16.40	248	5005	1.821	ng		89
21) Hexachlorobenzene	16.52	284	5485	1.654	ng		97
22) Pentachlorophenol	16.88	266	1393	1.434	ng	#	81
23) Phenanthrene	17.25	178	25140	2.045	ng		100
24) Anthracene	17.35	178	23027	2.187	ng		100
26) Fluoranthene	19.28	202	36947	2.335	ng		99
28) Pyrene	19.64	202	38248	1.804	ng		99
30) Benzo(a)anthracene	21.38	228	41664	2.013	ng		98
31) Chrysene	21.44	228	44303	2.065	ng		100
32) Bis(2-ethylhexyl)phthalate	21.31	149	83153	1.893	ng		100
33) Indeno(1,2,3-cd)pyrene	26.53	276	46954	2.121	ng		99
35) Benzo(b)fluoranthene	23.13	252	41457	2.114	ng		98
36) Benzo(k)fluoranthene	23.18	252	43037	2.008	ng		96
37) Benzo(a)pyrene	23.79	252	39074	2.028	ng	#	94
38) Dibenzo(a,h)anthracene	26.56	278	38156	2.237	ng		95
39) Benzo(g,h,i)perylene	27.34	276	38756	2.073	ng		98

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

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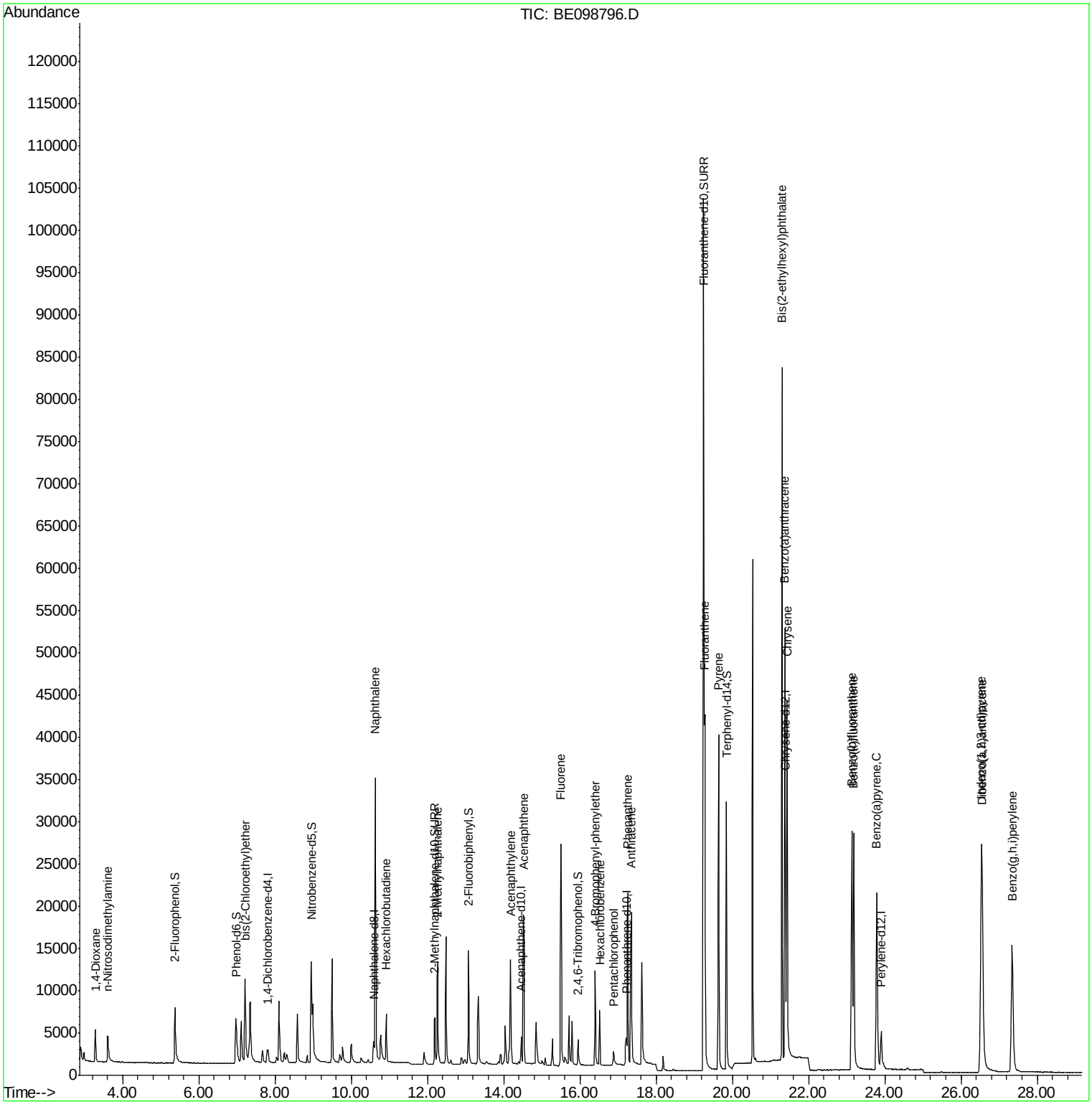
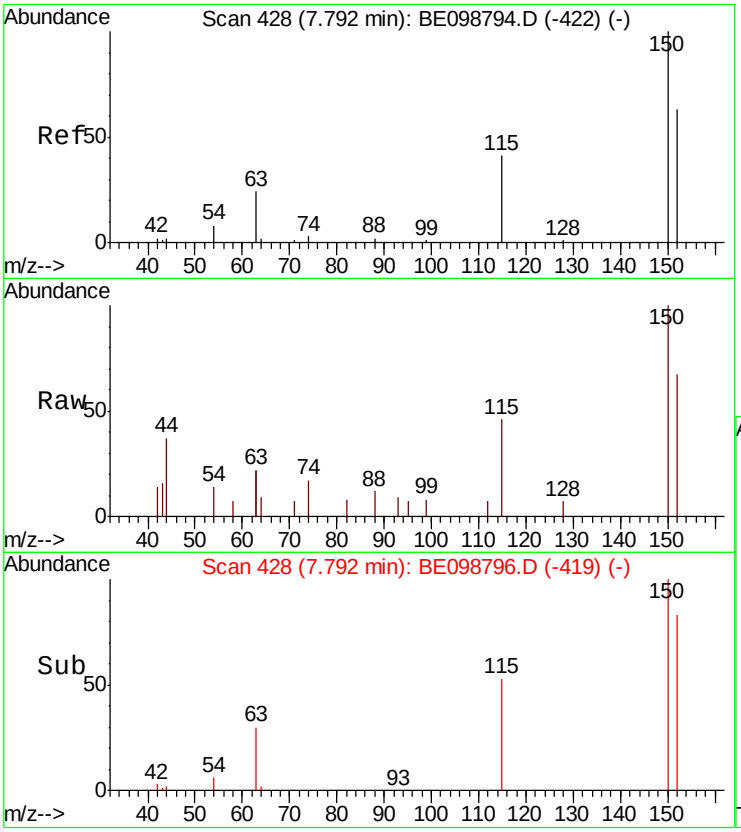
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Quant Time: Mar 06 13:55:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE030619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 06 13:20:41 2019
Response via : Initial Calibration



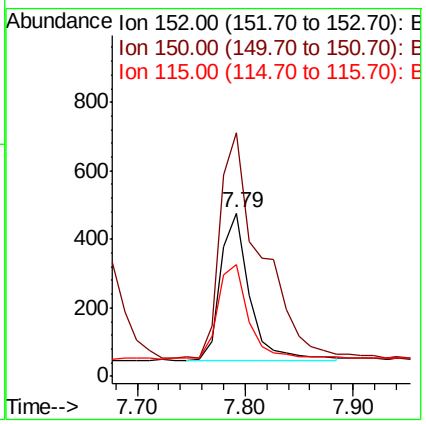


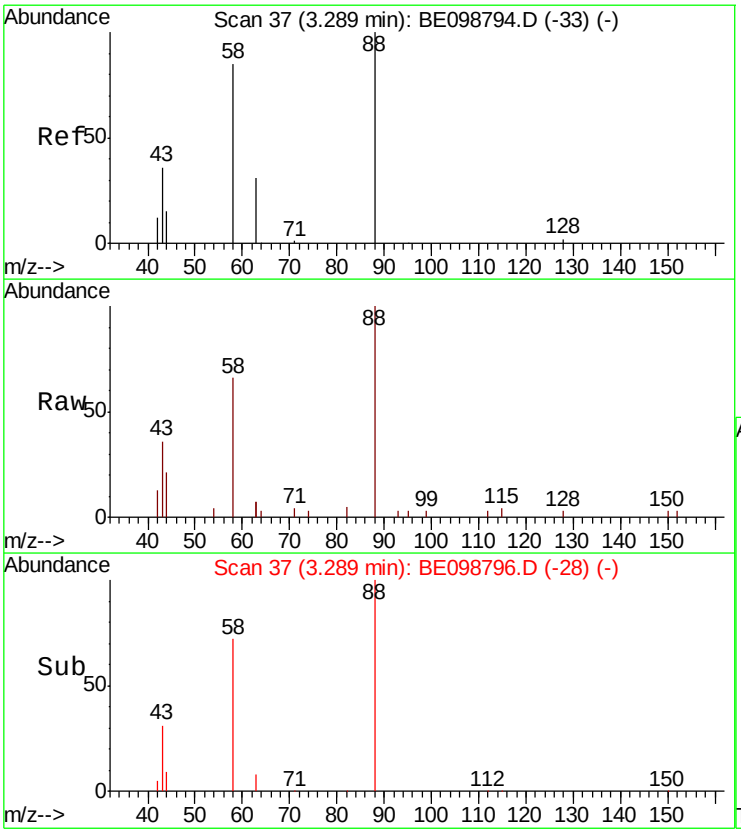
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 804

Ion	Ratio	Lower	Upper
152	100		
150	149.1	122.5	183.7
115	68.8	57.4	86.2

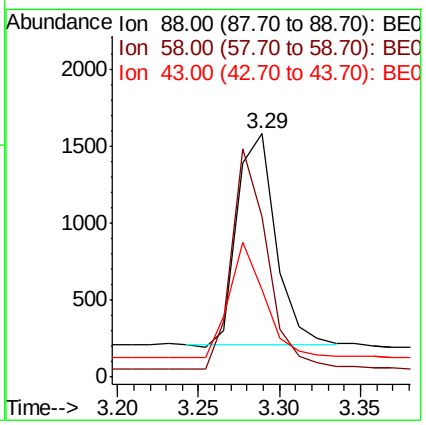


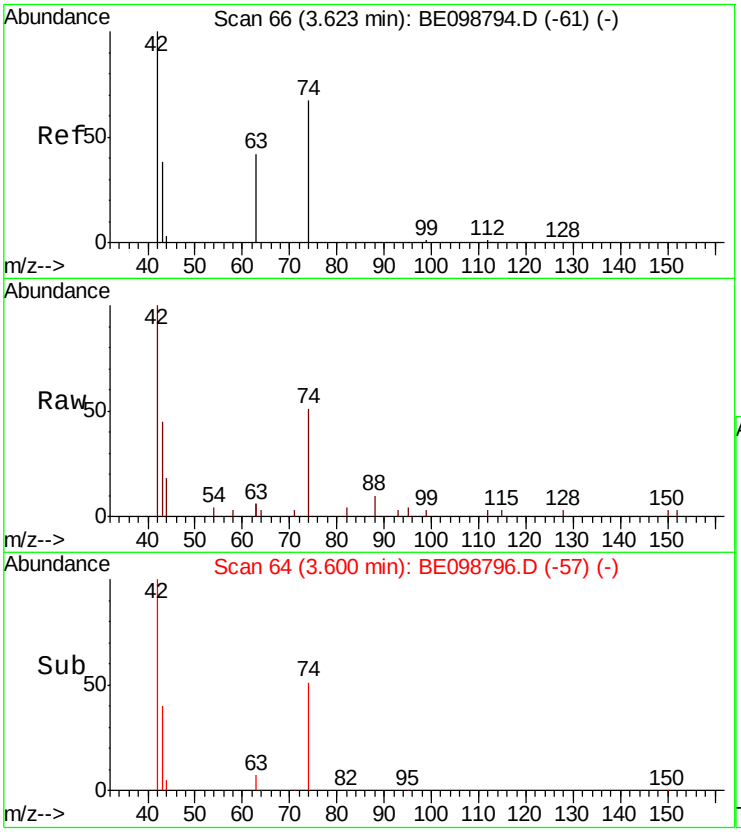


#2
1,4-Dioxane
Concen: 1.425 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion: 88 Resp: 2260

Ion	Ratio	Lower	Upper
88	100		
58	96.4	75.8	113.6
43	50.6	41.8	62.8



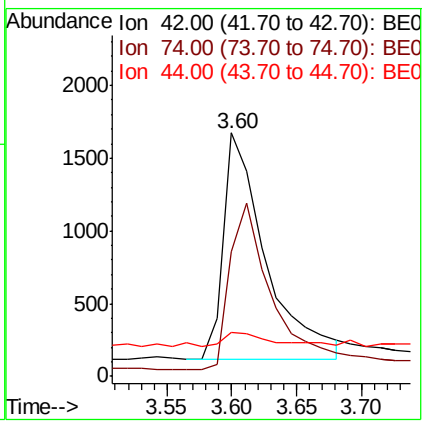


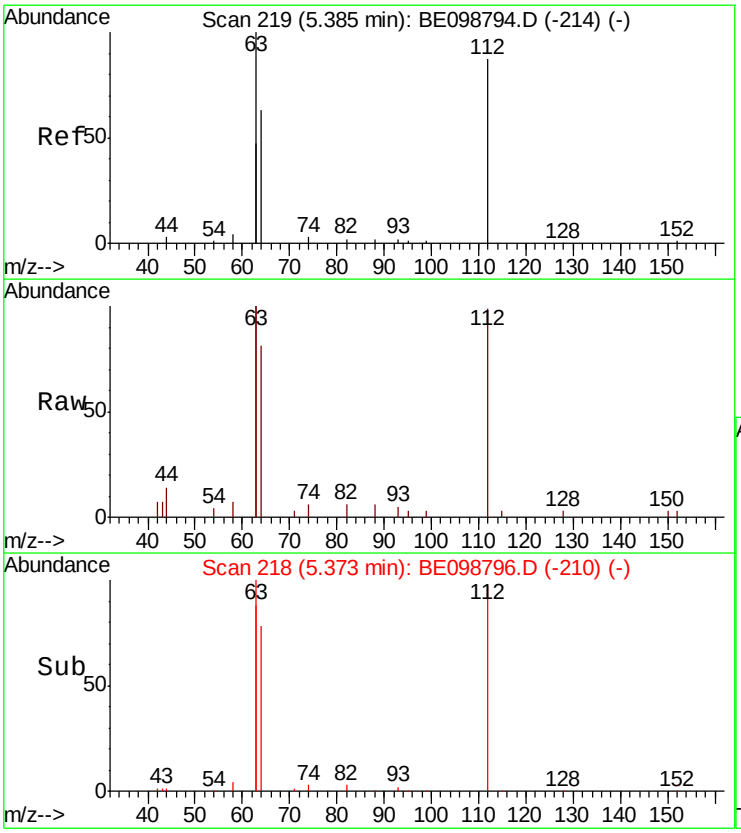
#3
n-Nitrosodimethylamine
Concen: 3.062 ng
RT: 3.60 min Scan# 64
Delta R.T. -0.02 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 3561

Ion	Ratio	Lower	Upper
42	100		
74	73.0	57.0	85.4
44	6.5	0.0	0.0#

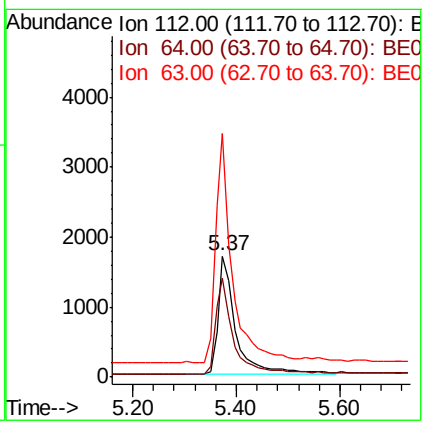


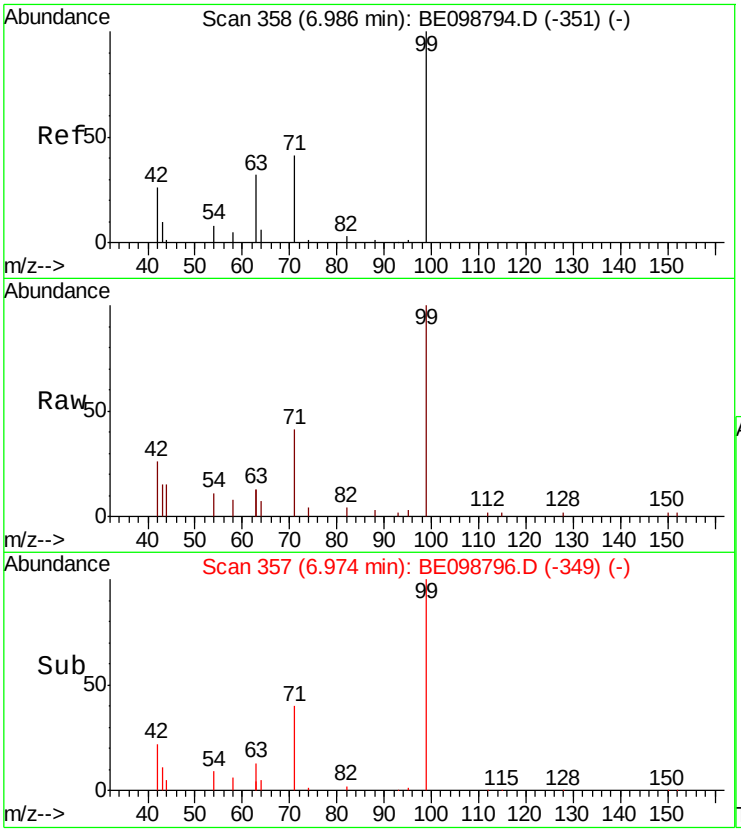


#4
2-Fluorophenol
Concen: 1.839 ng
RT: 5.37 min Scan# 218
Delta R.T. -0.01 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:112 Resp: 3943

Ion	Ratio	Lower	Upper
112	100		
64	81.1	57.9	86.9
63	191.9	158.3	237.5



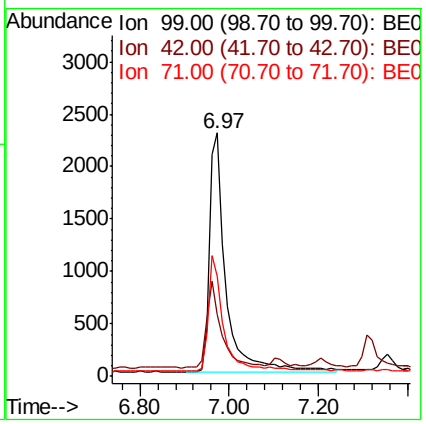


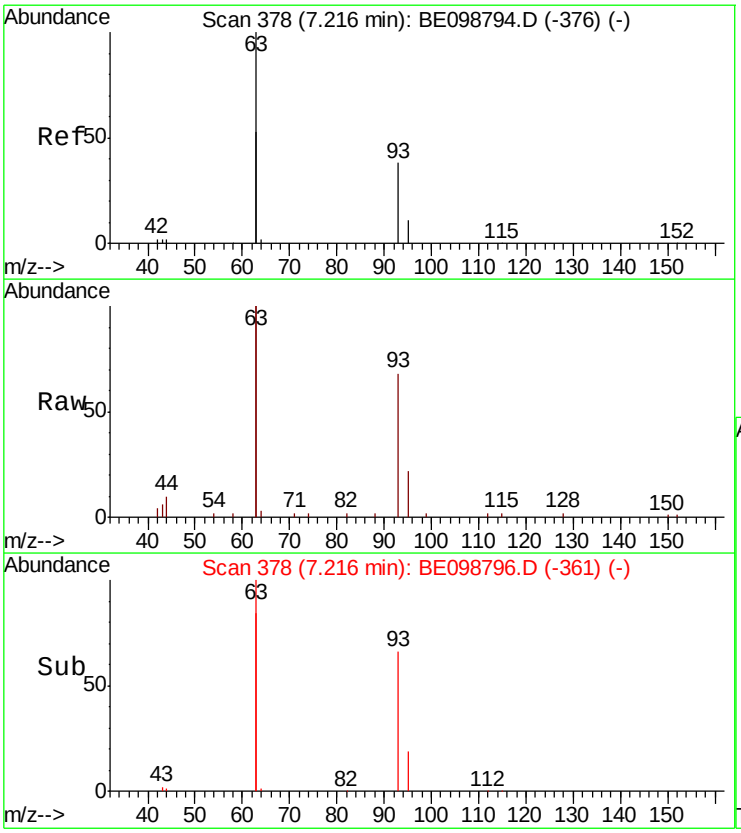
#5
Phenol-d6
Concen: 1.891 ng
RT: 6.97 min Scan# 357
Delta R.T. -0.01 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 5775

Ion	Ratio	Lower	Upper
99	100		
42	31.5	24.2	36.2
71	45.5	35.7	53.5

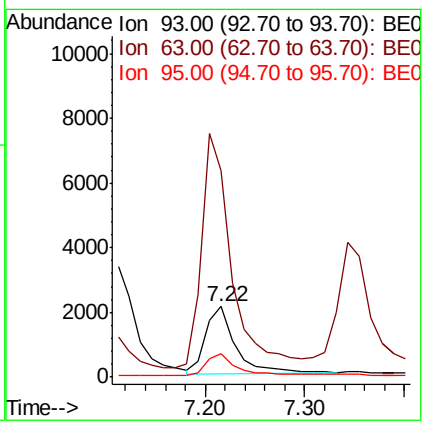


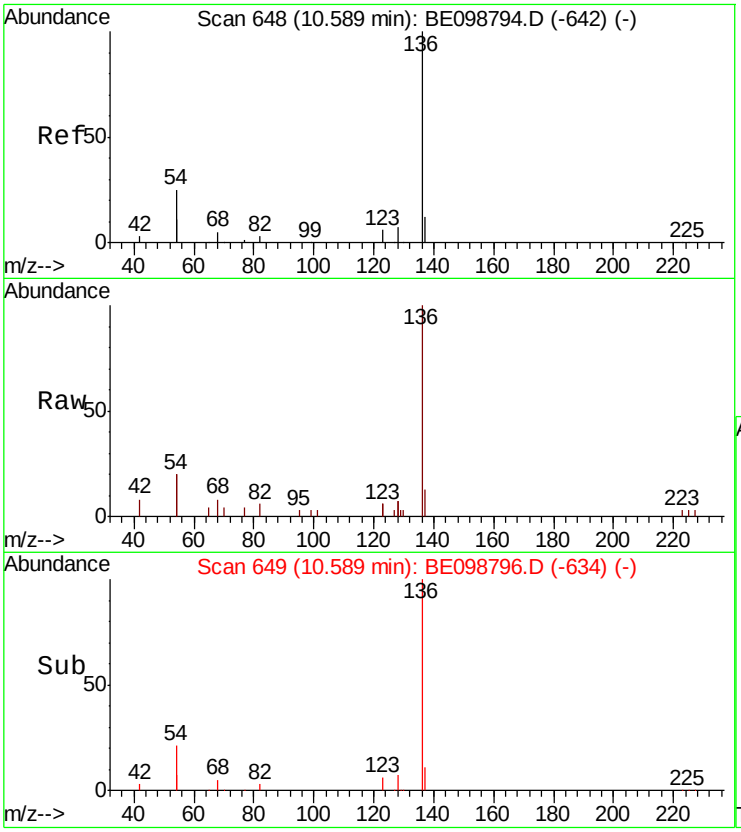


#6
bis(2-Chloroethyl)ether
Concen: 1.878 ng
RT: 7.22 min Scan# 378
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion: 93 Resp: 4336

Ion	Ratio	Lower	Upper
93	100		
63	348.9	247.5	371.3
95	34.3	21.8	32.8#



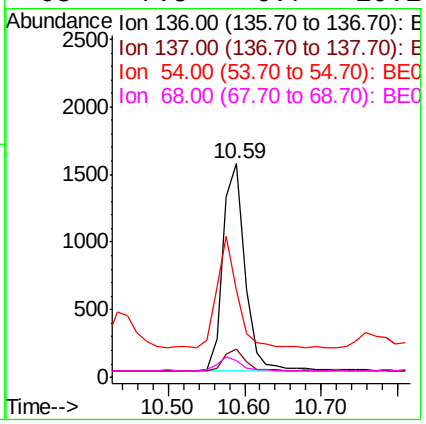


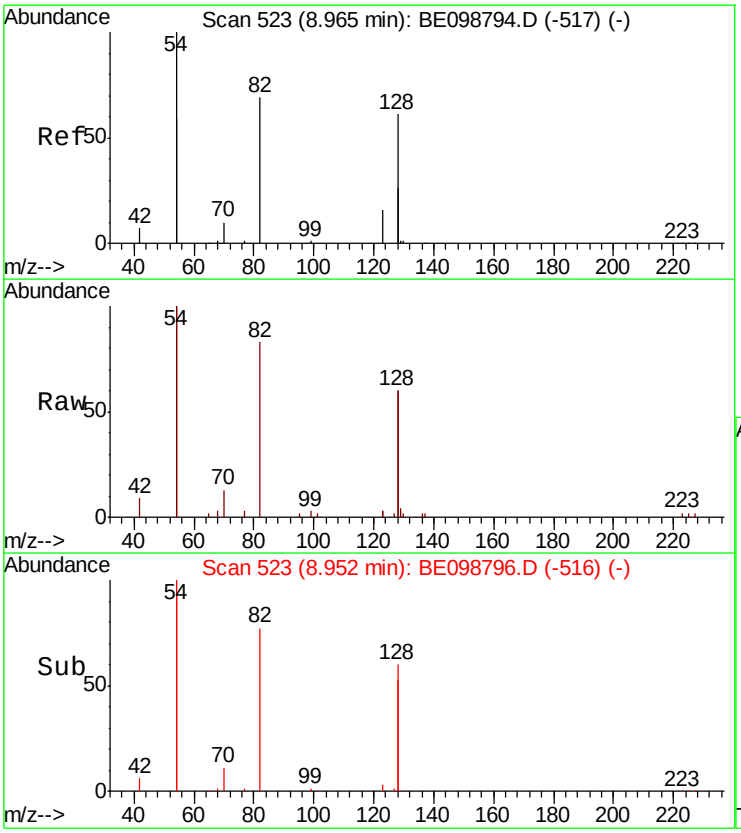
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.59 min Scan# 649
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 3106

Ion	Ratio	Lower	Upper
136	100		
137	13.4	11.4	17.0
54	40.9	39.3	58.9
68	7.5	6.7	10.1

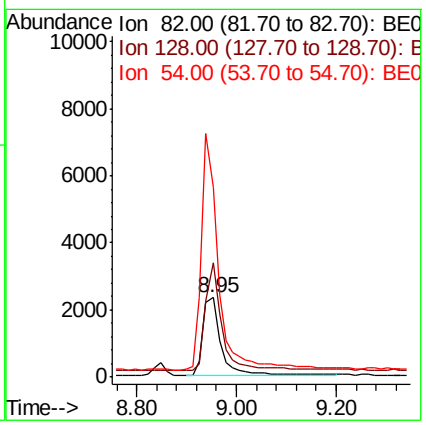


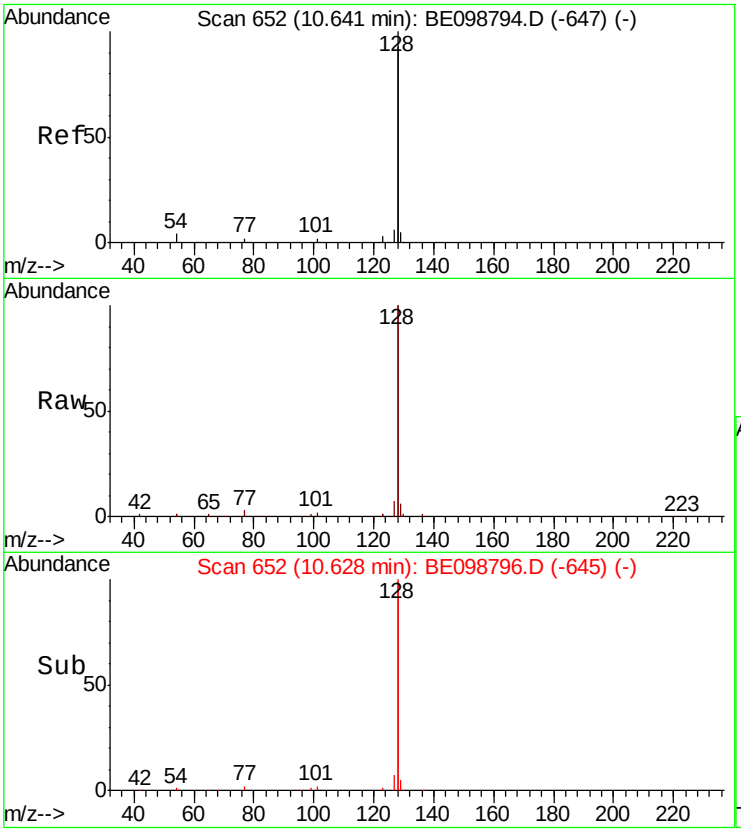


#8
Nitrobenzene-d5
Concen: 2.376 ng
RT: 8.95 min Scan# 523
Delta R.T. -0.01 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion: 82 Resp: 5854

Ion	Ratio	Lower	Upper
82	100		
128	144.0	123.8	185.8
54	240.0	203.4	305.2



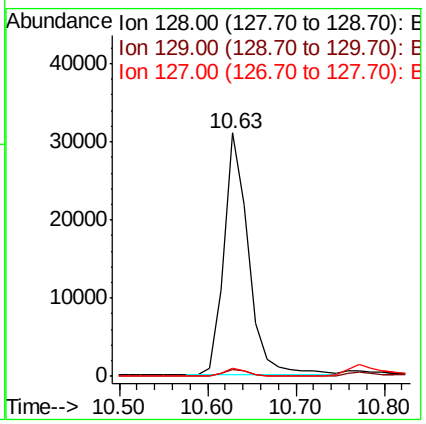


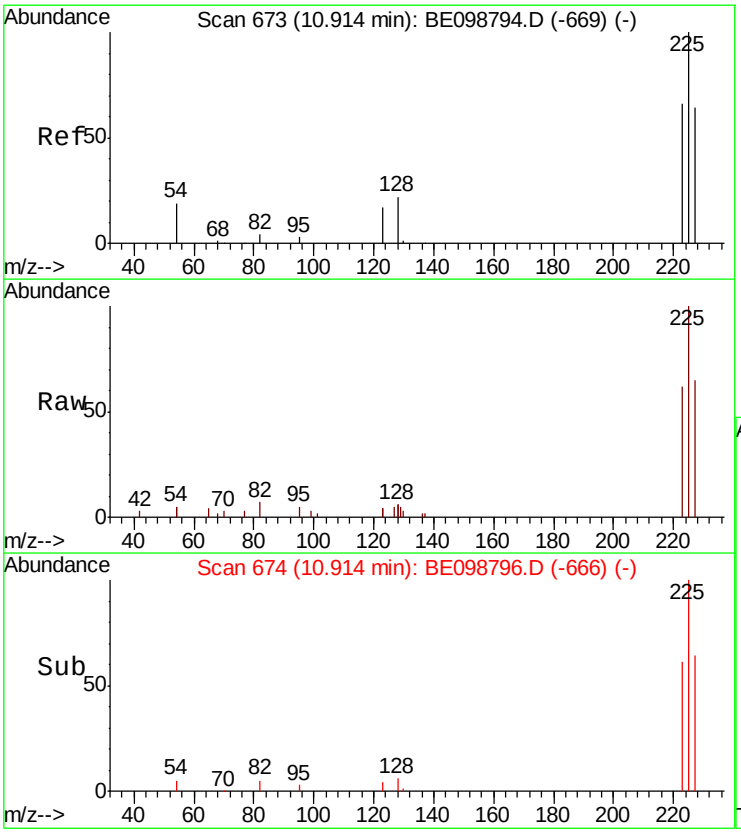
#9
Naphthalene
Concen: 1.915 ng
RT: 10.63 min Scan# 652
Delta R.T. -0.01 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 59222

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.6	4.0
127	3.5	3.1	4.7

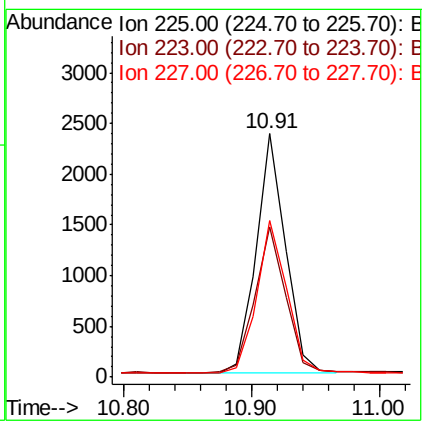


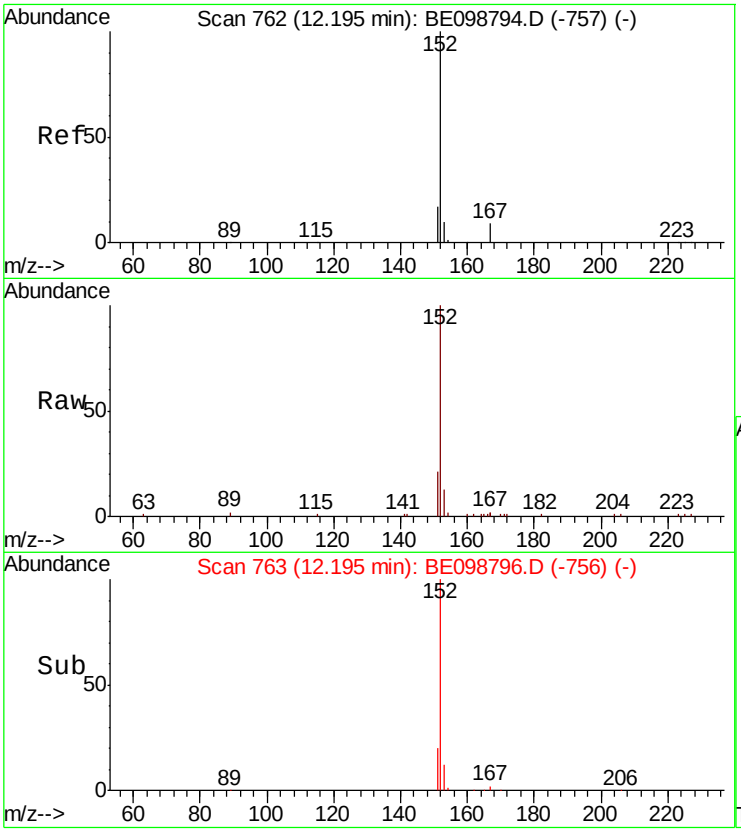


#10
Hexachlorobutadiene
Concen: 1.684 ng
RT: 10.91 min Scan# 674
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:225 Resp: 3728

Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.1	76.7
227	64.8	51.6	77.4



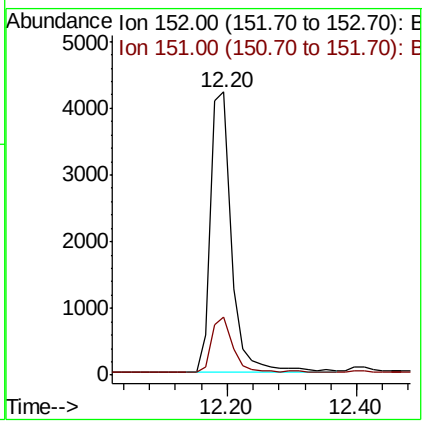


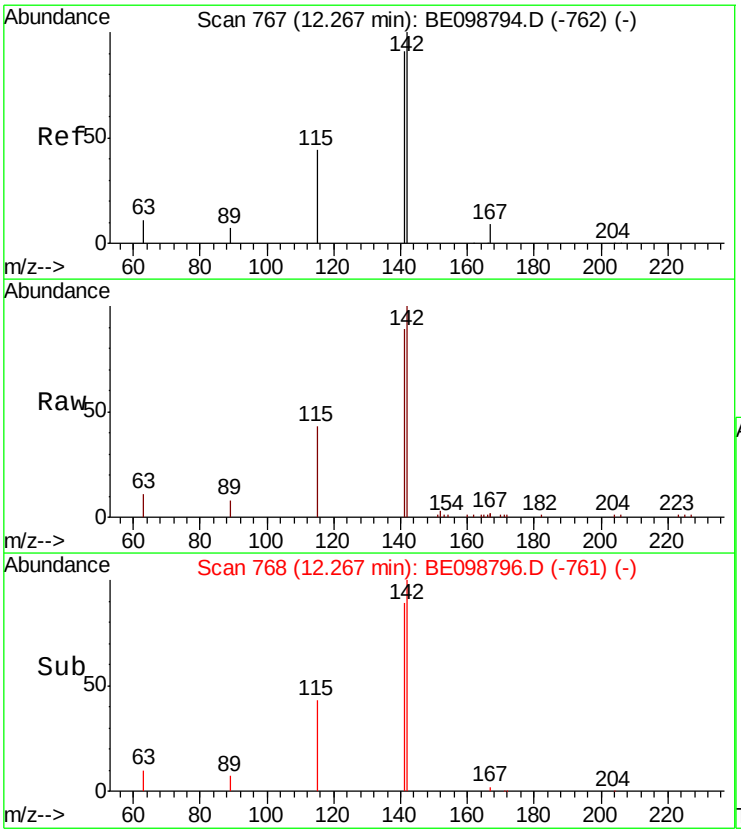
#11
2-Methylnaphthalene-d10
Concen: 1.867 ng
RT: 12.20 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 9542

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.5	24.7

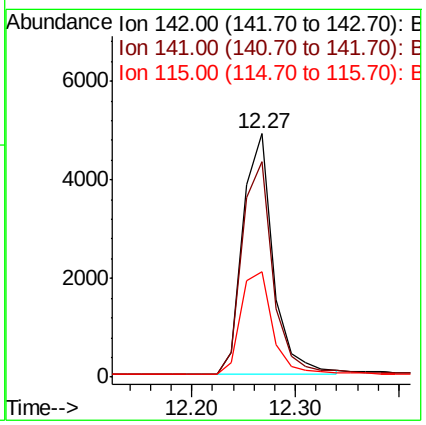


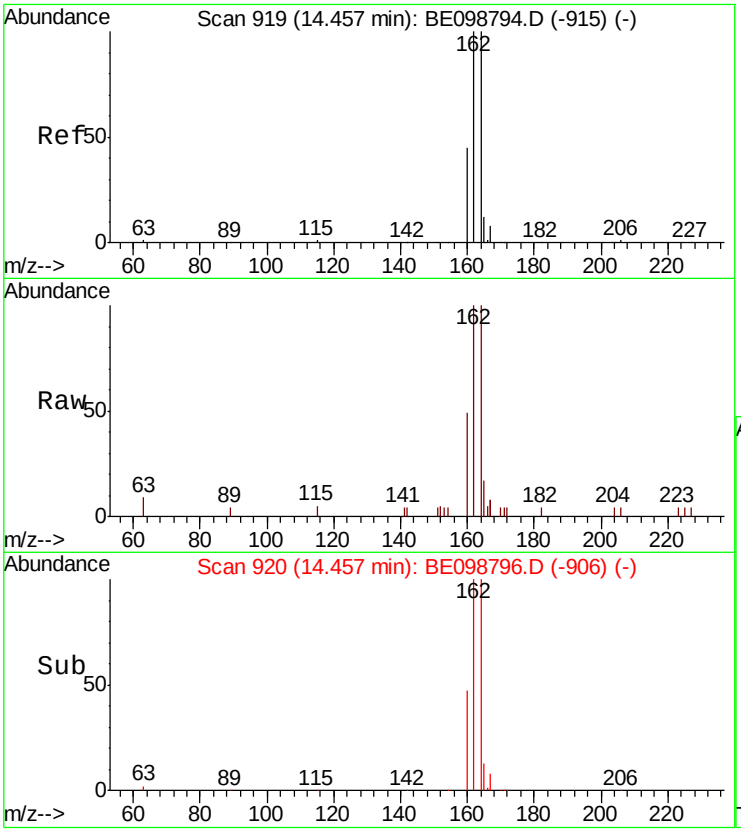


#12
2-Methylnaphthalene
Concen: 1.941 ng
RT: 12.27 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:142 Resp: 9956

Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.6	108.8
115	43.4	37.4	56.2



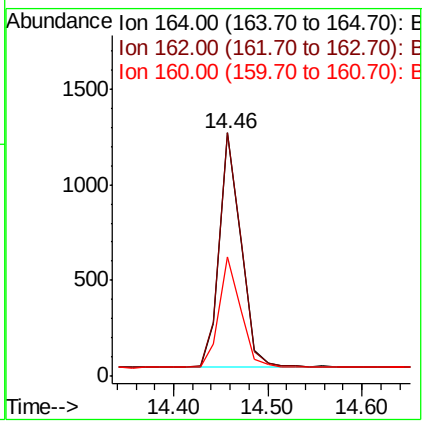


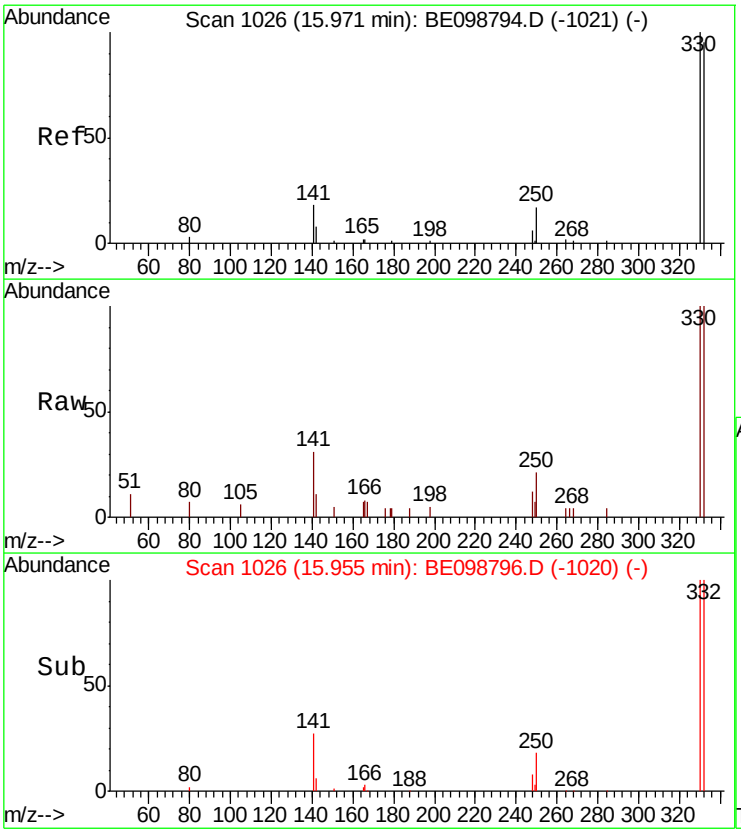
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 1929

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.2	120.2
160	49.2	37.8	56.8

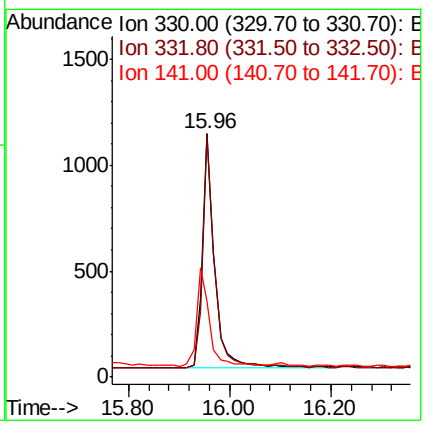


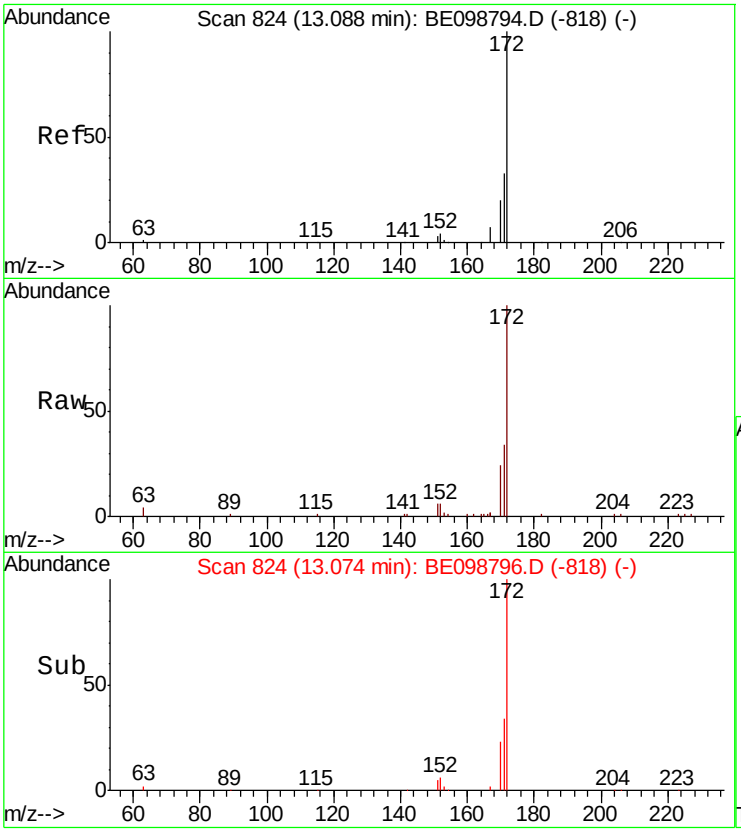


#14
2,4,6-Tribromophenol
Concen: 2.270 ng
RT: 15.96 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:330 Resp: 1905

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.6	116.4
141	43.5	31.0	46.4



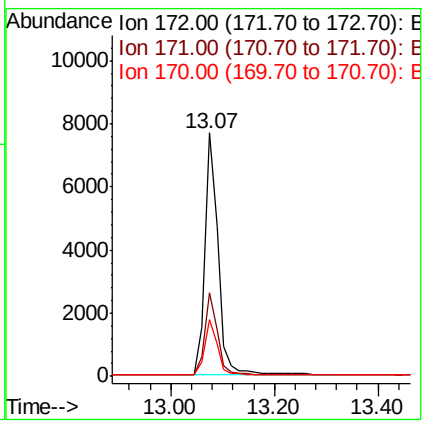


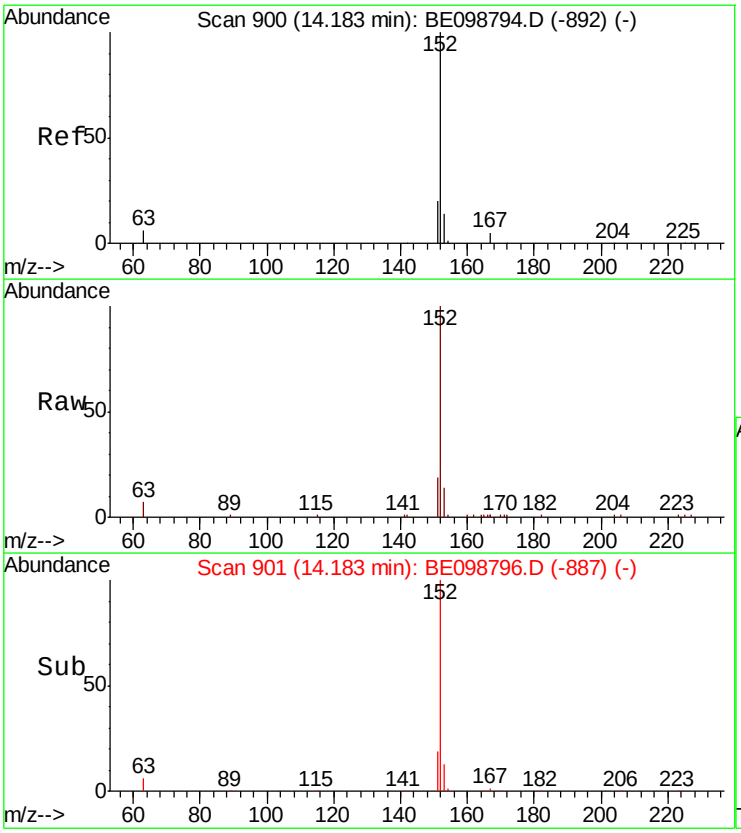
#15
2-Fluorobiphenyl
Concen: 1.740 ng
RT: 13.07 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 13744

Ion	Ratio	Lower	Upper
172	100		
171	34.3	28.0	42.0
170	23.5	17.7	26.5

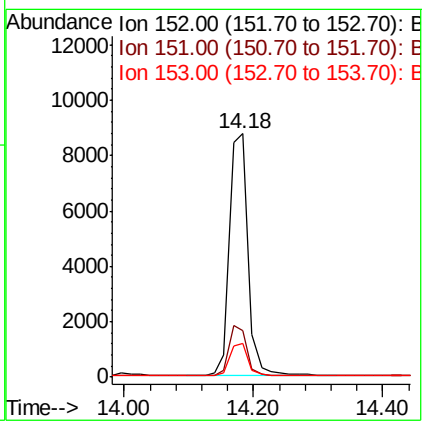


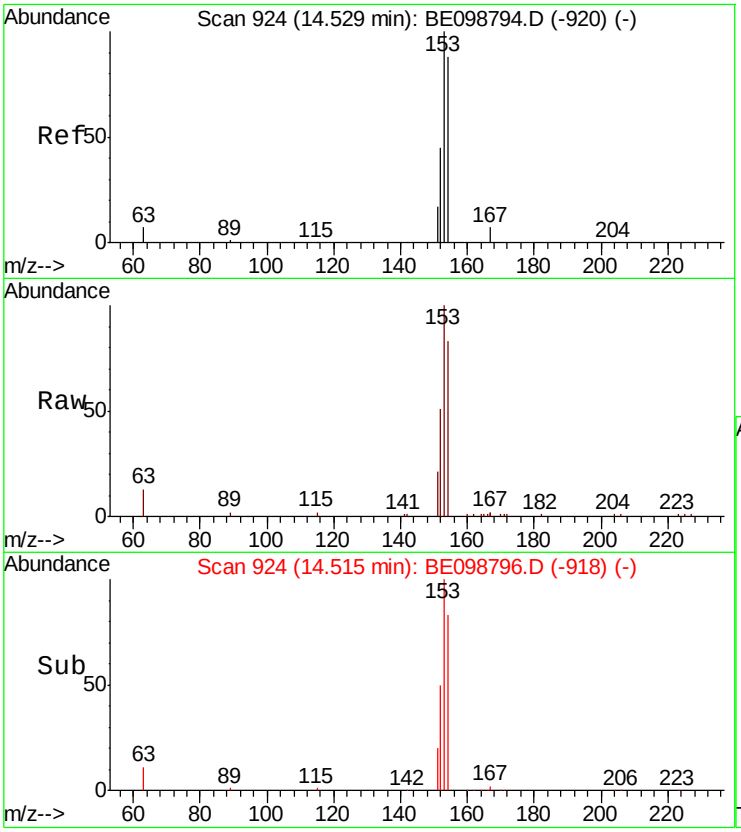


#16
Acenaphthylene
Concen: 2.095 ng
RT: 14.18 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:152 Resp: 17501

Ion	Ratio	Lower	Upper
152	100		
151	19.7	17.0	25.6
153	13.1	11.2	16.8



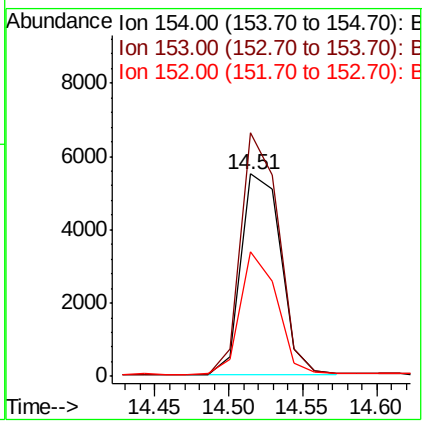


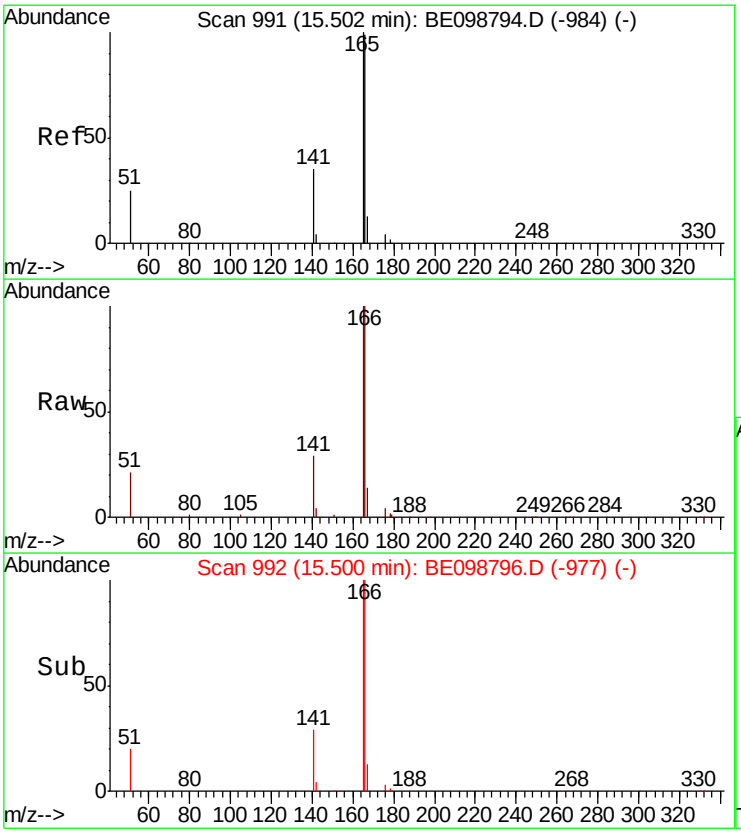
#17
Acenaphthene
Concen: 1.959 ng
RT: 14.51 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 10269

Ion	Ratio	Lower	Upper
154	100		
153	114.7	94.2	141.4
152	56.2	45.0	67.4

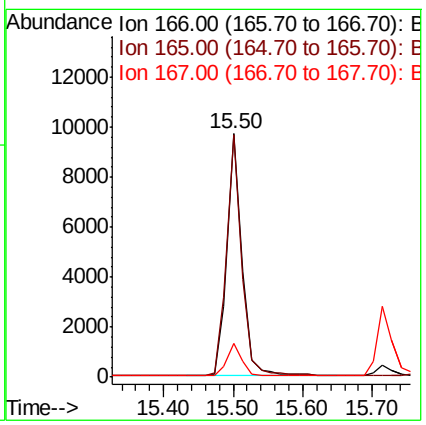


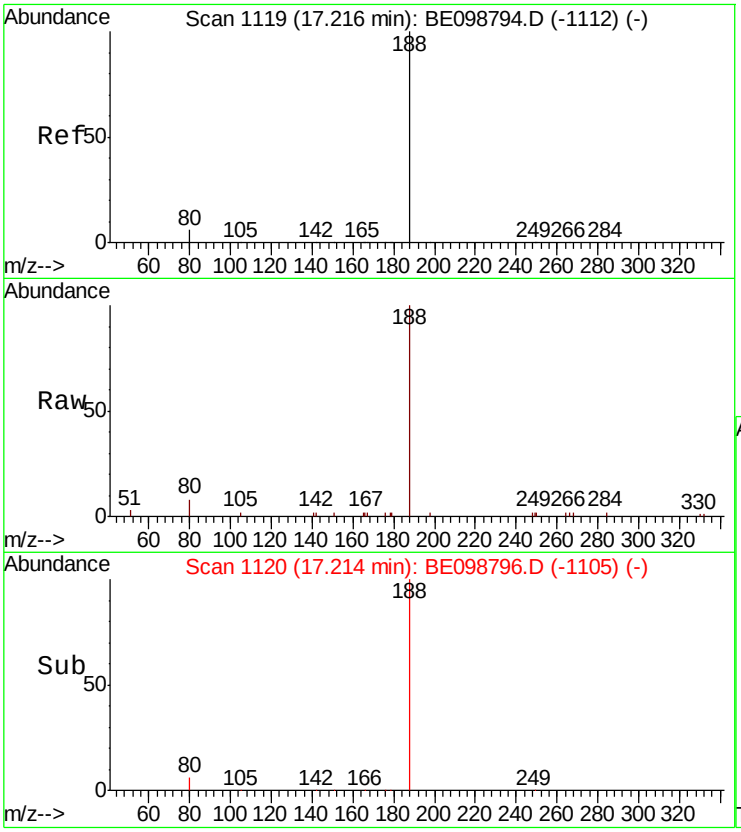


#18
Fluorene
Concen: 2.137 ng
RT: 15.50 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:166 Resp: 14571

Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.3	118.9
167	13.5	10.5	15.7



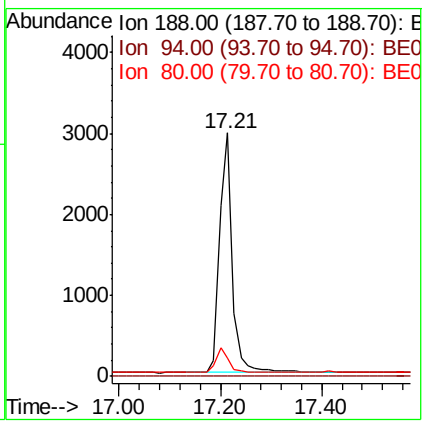


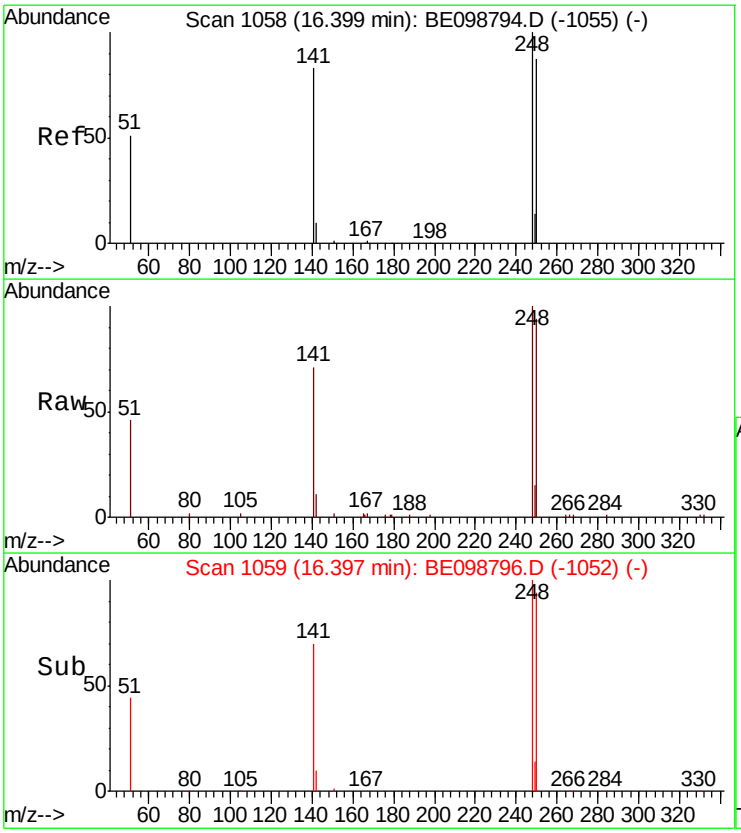
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 5189

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	6.3	9.5

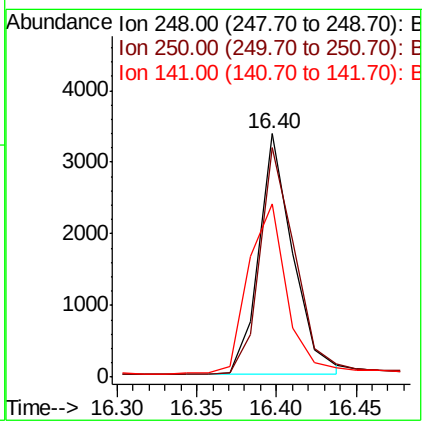


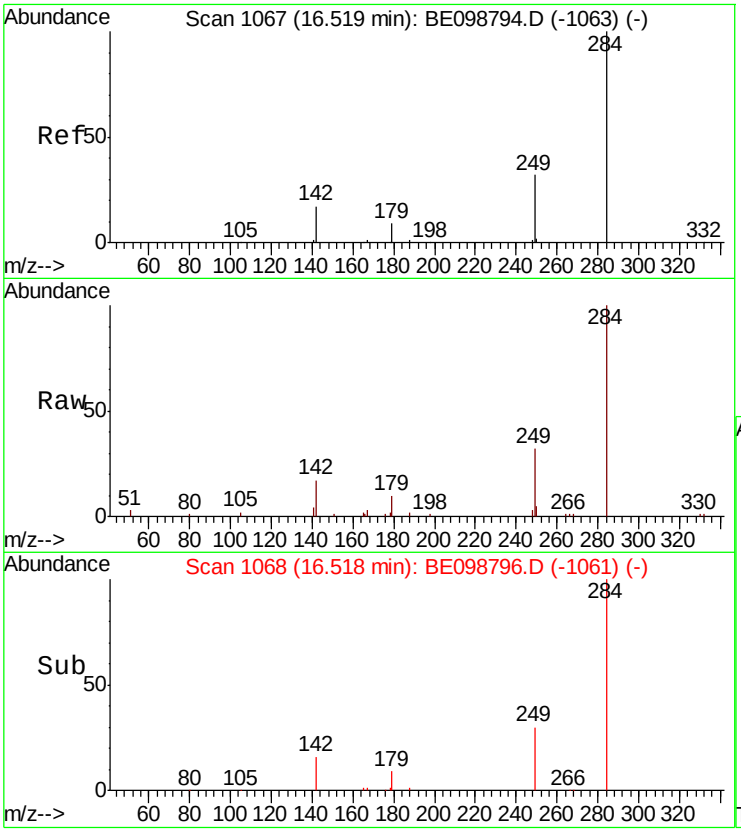


#20
4-Bromophenyl-phenylether
Concen: 1.821 ng
RT: 16.40 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:248 Resp: 5005

Ion	Ratio	Lower	Upper
248	100		
250	94.0	70.6	105.8
141	71.0	68.6	102.8



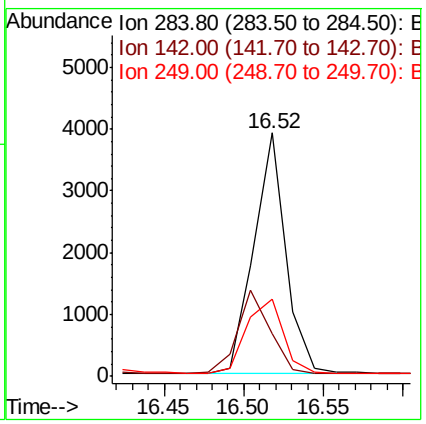


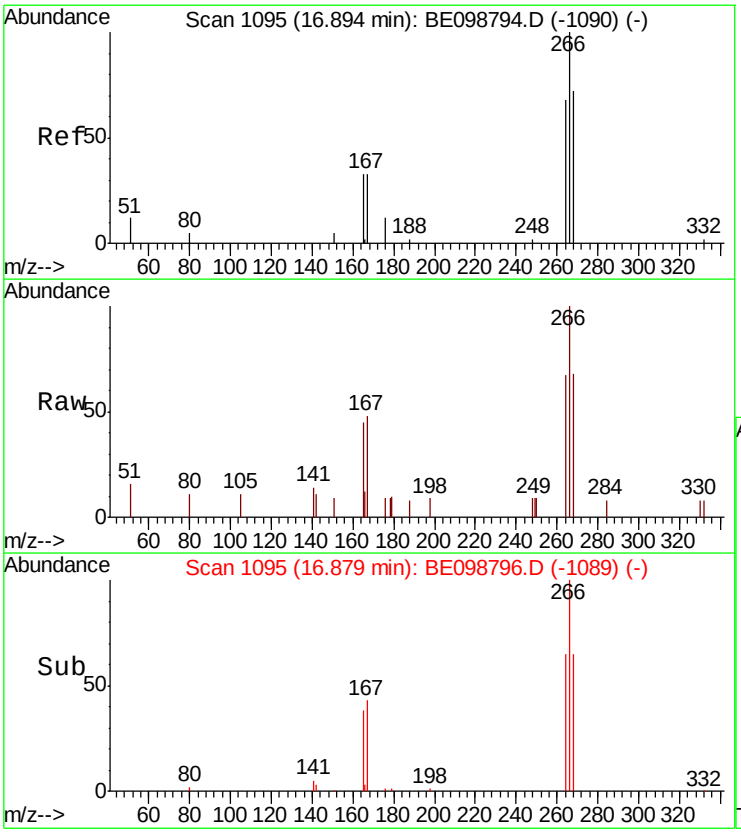
#21
Hexachlorobenzene
Concen: 1.654 ng
RT: 16.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:284 Resp: 5485

Ion	Ratio	Lower	Upper
284	100		
142	34.5	28.7	43.1
249	35.0	29.6	44.4

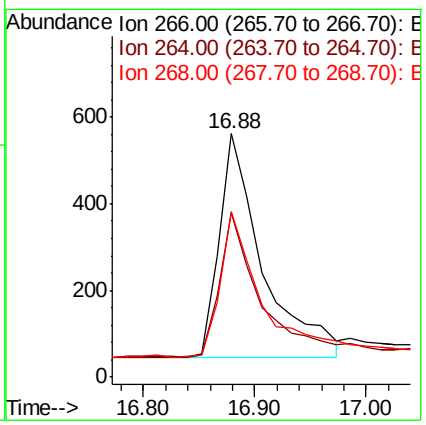


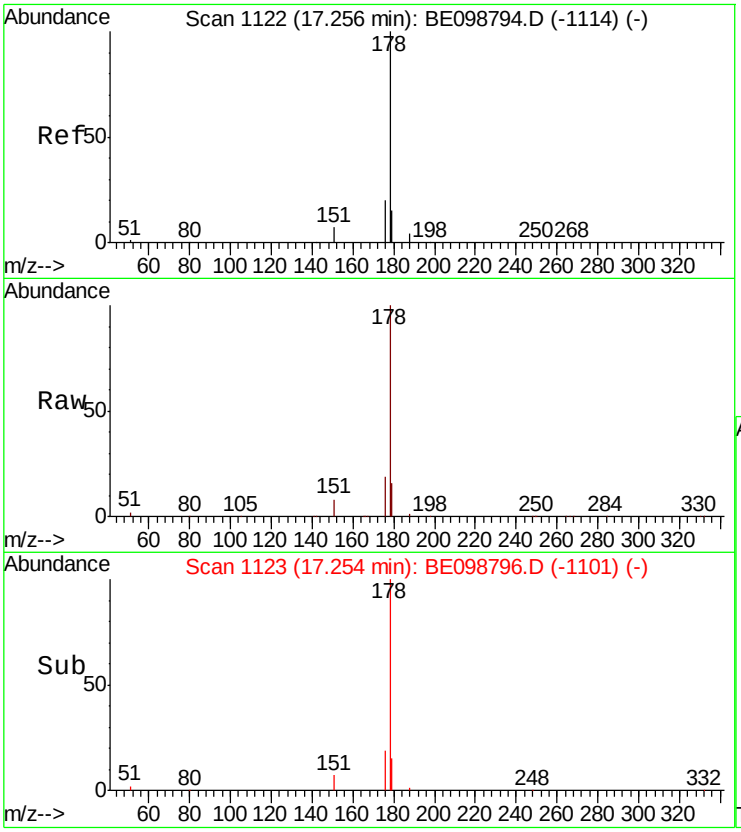


#22
Pentachlorophenol
Concen: 1.434 ng
RT: 16.88 min Scan# 1095
Delta R.T. -0.02 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:266 Resp: 1393

Ion	Ratio	Lower	Upper
266	100		
264	67.4	66.6	100.0
268	67.8	69.8	104.8#



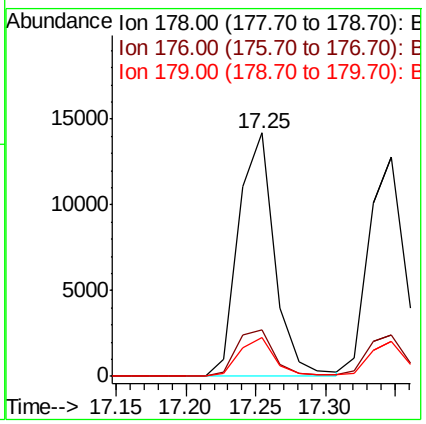


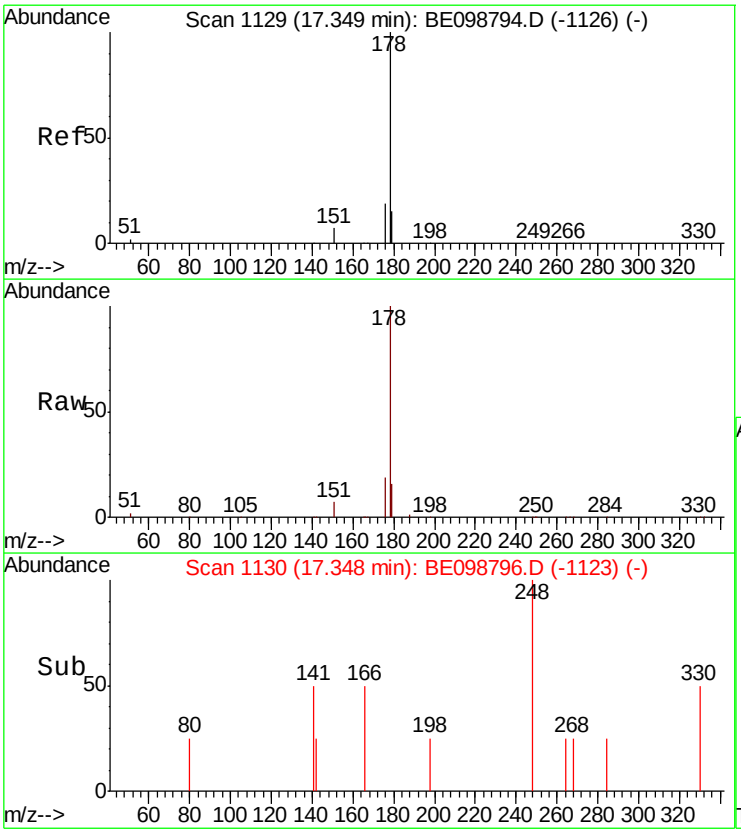
#23
Phenanthrene
Concen: 2.045 ng
RT: 17.25 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 25140

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.0	24.0
179	15.3	12.1	18.1

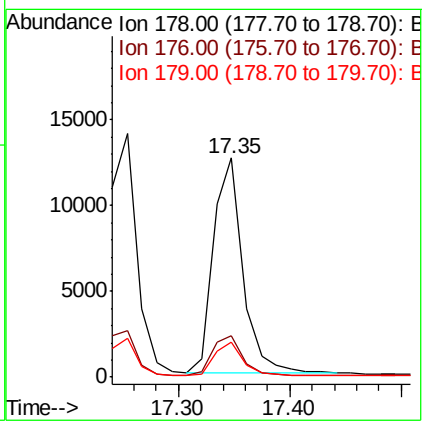


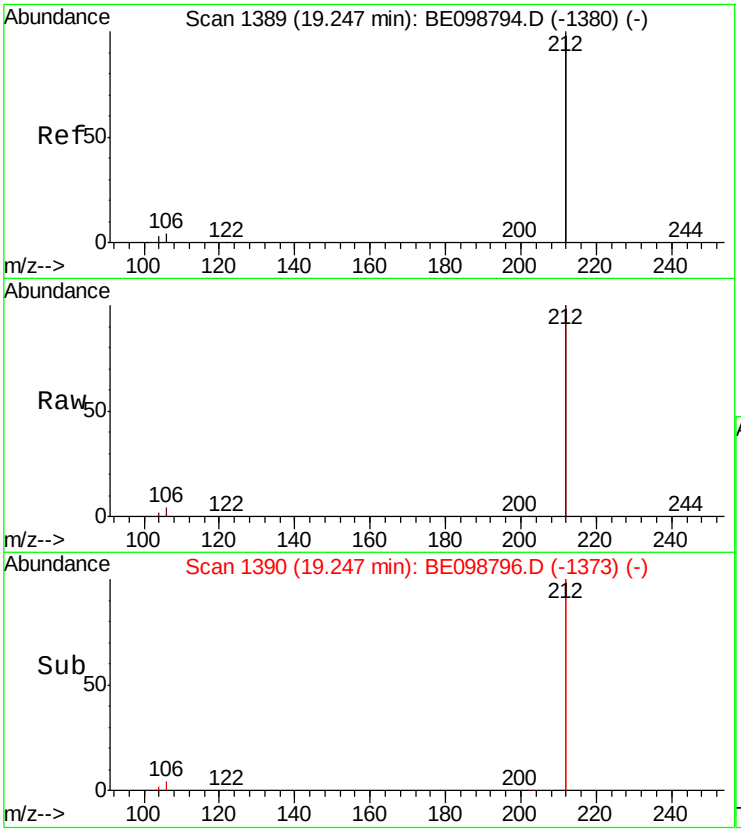


#24
Anthracene
Concen: 2.187 ng
RT: 17.35 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:178 Resp: 23027

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.2	12.2	18.4



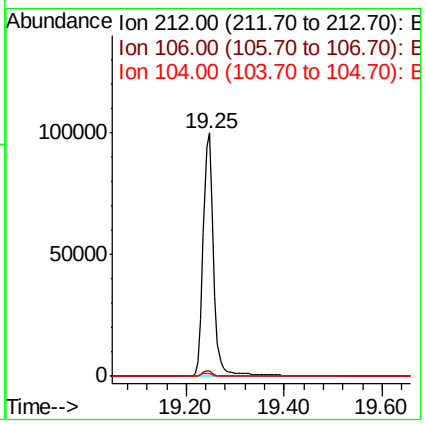


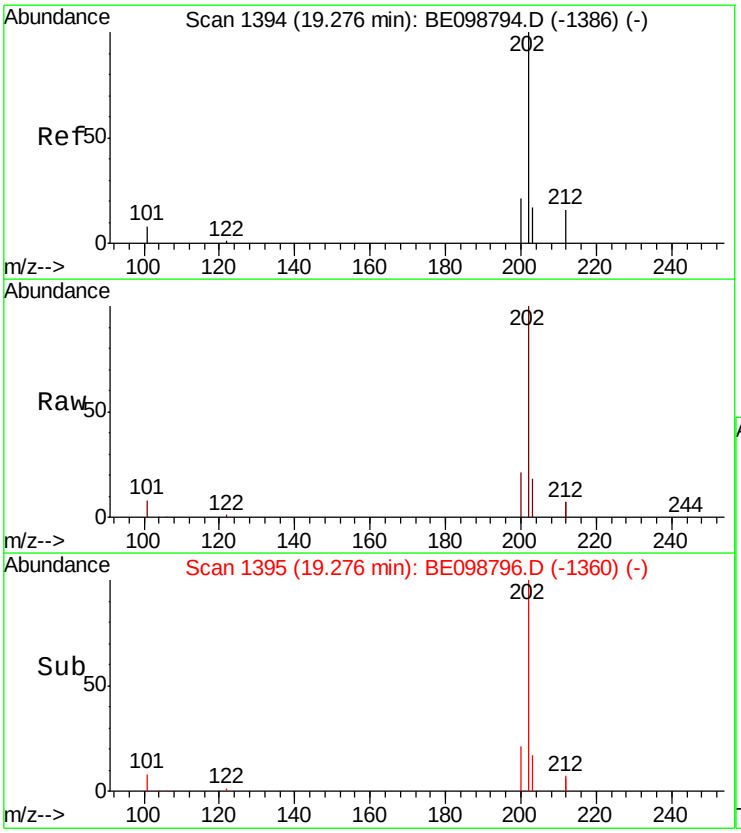
#25
Fluoranthene-d10
Concen: 2.275 ng
RT: 19.25 min Scan# 1390
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 146233

Ion	Ratio	Lower	Upper
212	100		
106	2.3	1.8	2.8
104	1.4	1.0	1.6

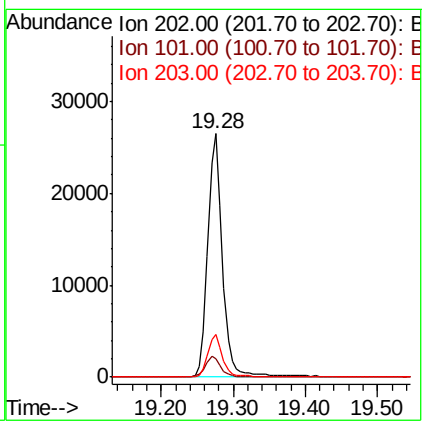


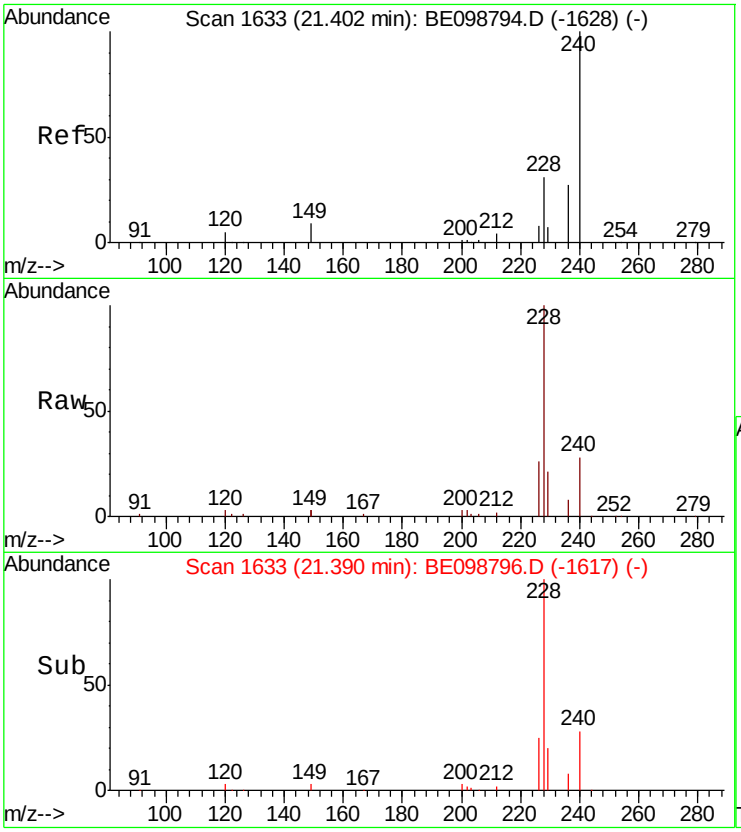


#26
Fluoranthene
Concen: 2.335 ng
RT: 19.28 min Scan# 1395
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:202 Resp: 36947

Ion	Ratio	Lower	Upper
202	100		
101	8.8	7.3	10.9
203	16.9	13.4	20.2



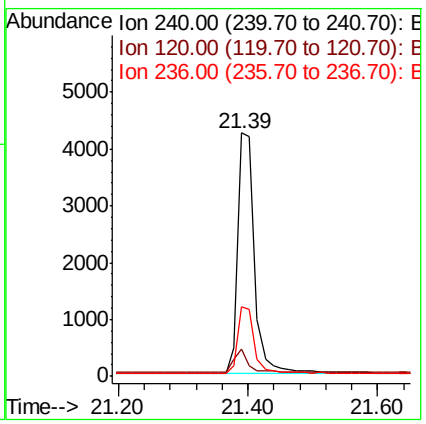


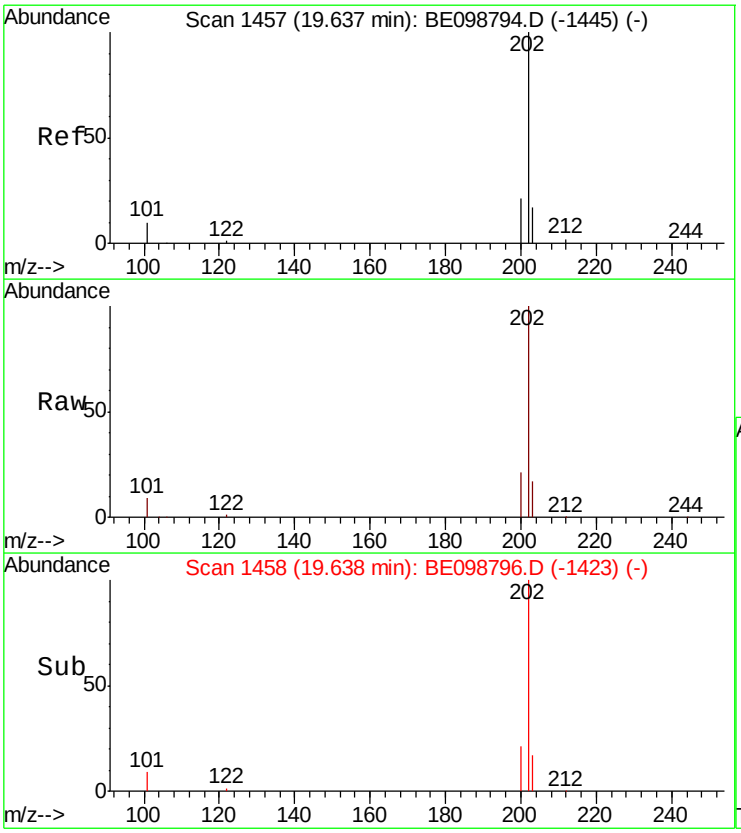
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 7701

Ion	Ratio	Lower	Upper
240	100		
120	11.0	5.0	7.4#
236	28.6	22.7	34.1

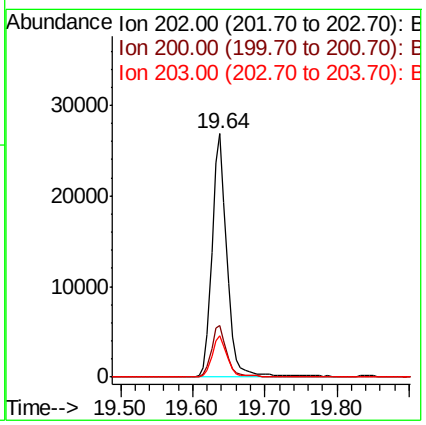


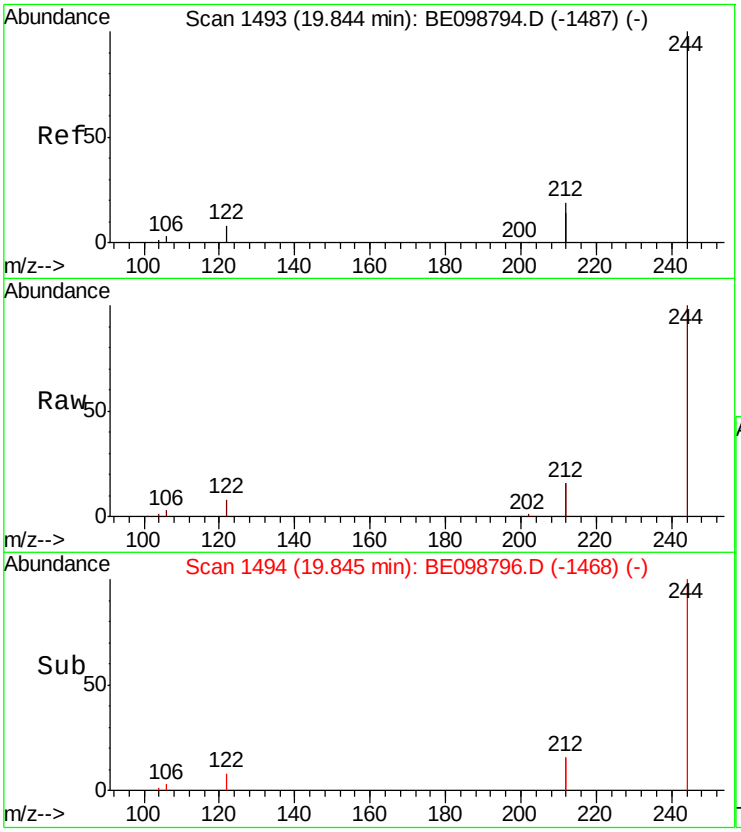


#28
Pyrene
Concen: 1.804 ng
RT: 19.64 min Scan# 1458
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:202 Resp: 38248

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	17.2	14.2	21.2



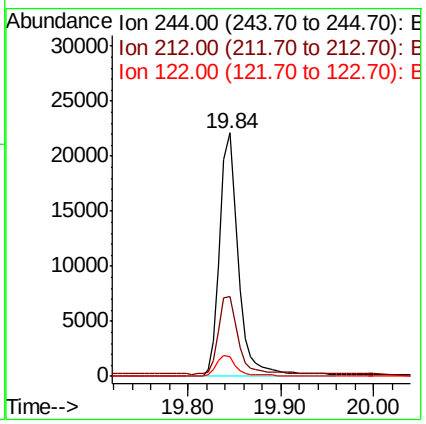


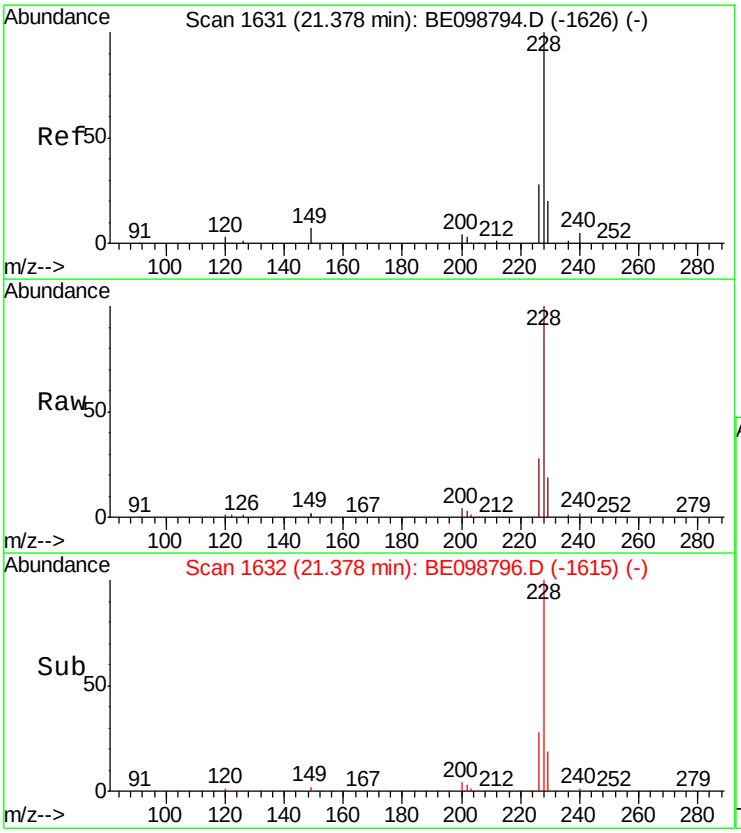
#29
Terphenyl-d14
Concen: 1.811 ng
RT: 19.84 min Scan# 1494
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 30862

Ion	Ratio	Lower	Upper
244	100		
212	32.6	29.4	44.2
122	8.0	7.1	10.7

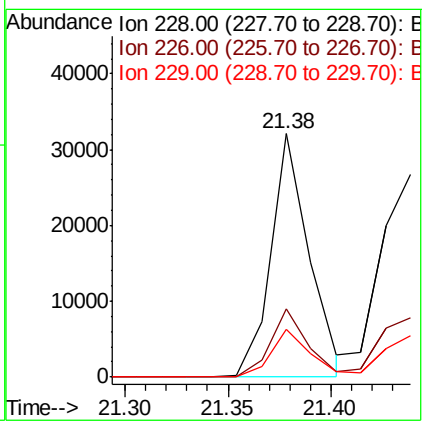


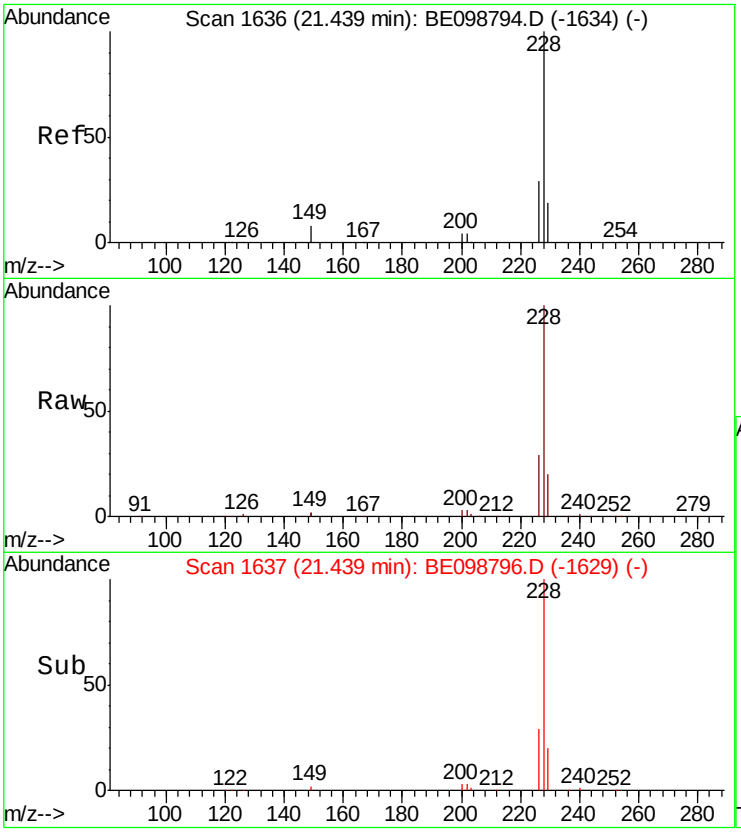


#30
Benzo(a)anthracene
Concen: 2.013 ng
RT: 21.38 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:228 Resp: 41664

Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.0	34.4
229	19.4	16.5	24.7



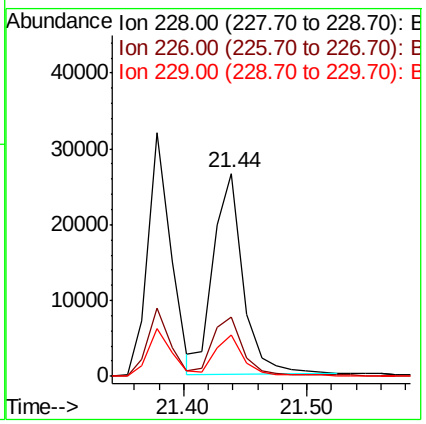


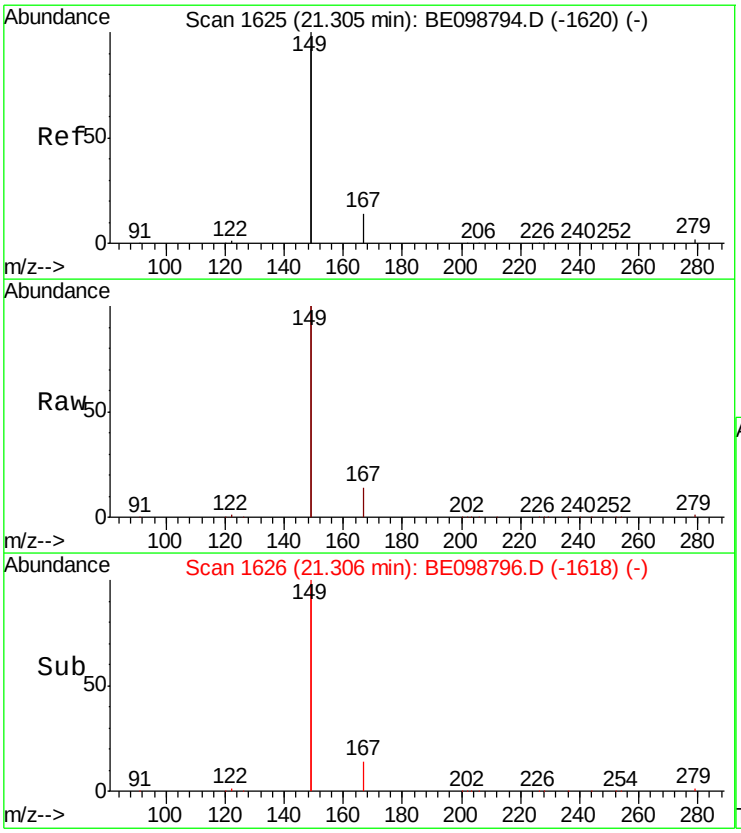
#31
Chrysene
Concen: 2.065 ng
RT: 21.44 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 44303

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	20.1	16.1	24.1

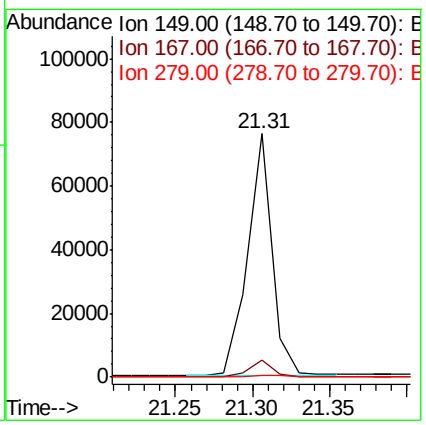


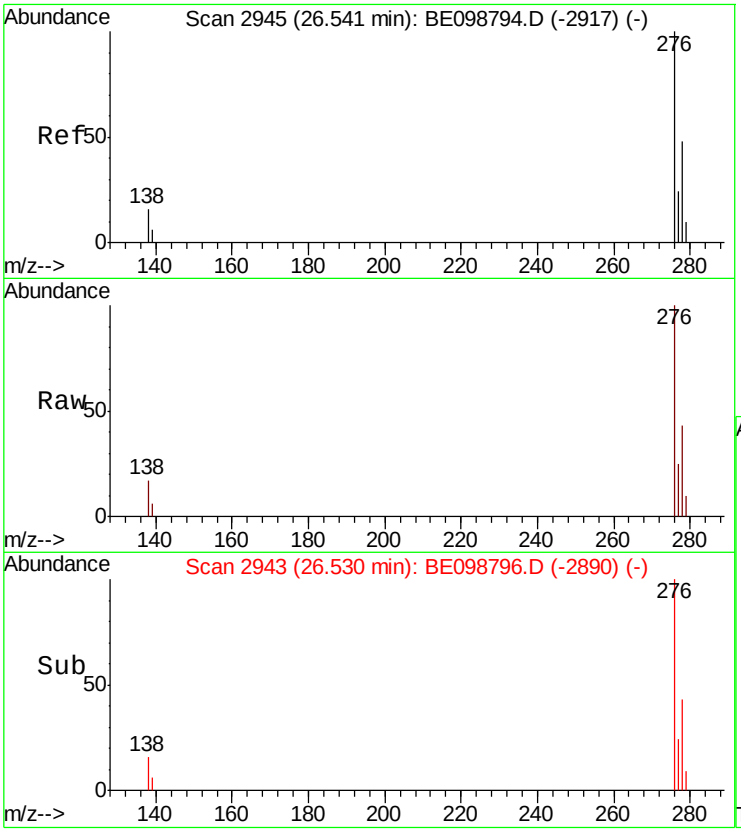


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.893 ng
RT: 21.31 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:149 Resp: 83153

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.1	1.0	1.4



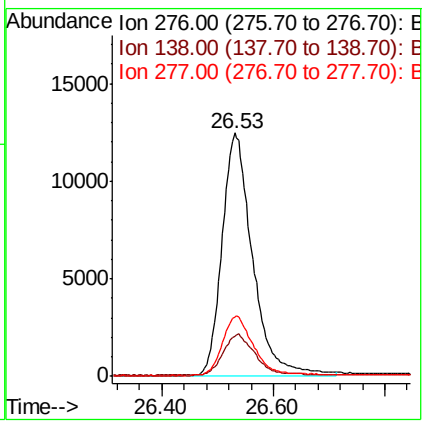


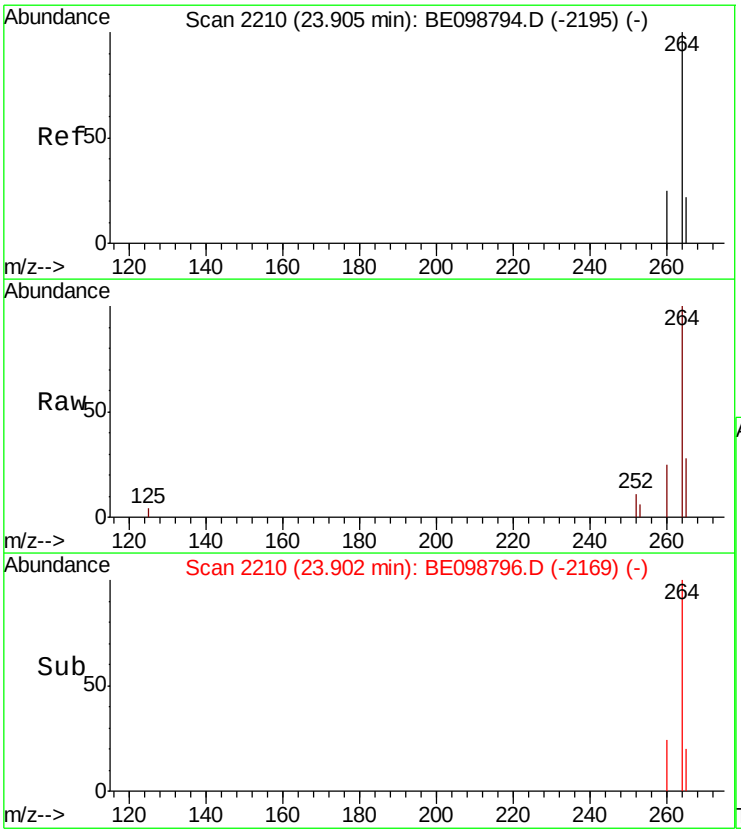
#33
Indeno(1,2,3-cd)pyrene
Concen: 2.121 ng
RT: 26.53 min Scan# 2943
Delta R.T. -0.01 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 46954

Ion	Ratio	Lower	Upper
276	100		
138	17.5	13.8	20.8
277	24.8	19.5	29.3

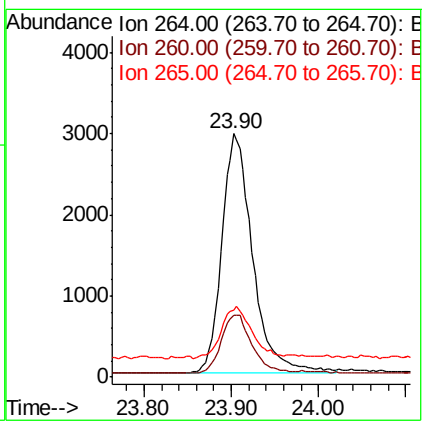


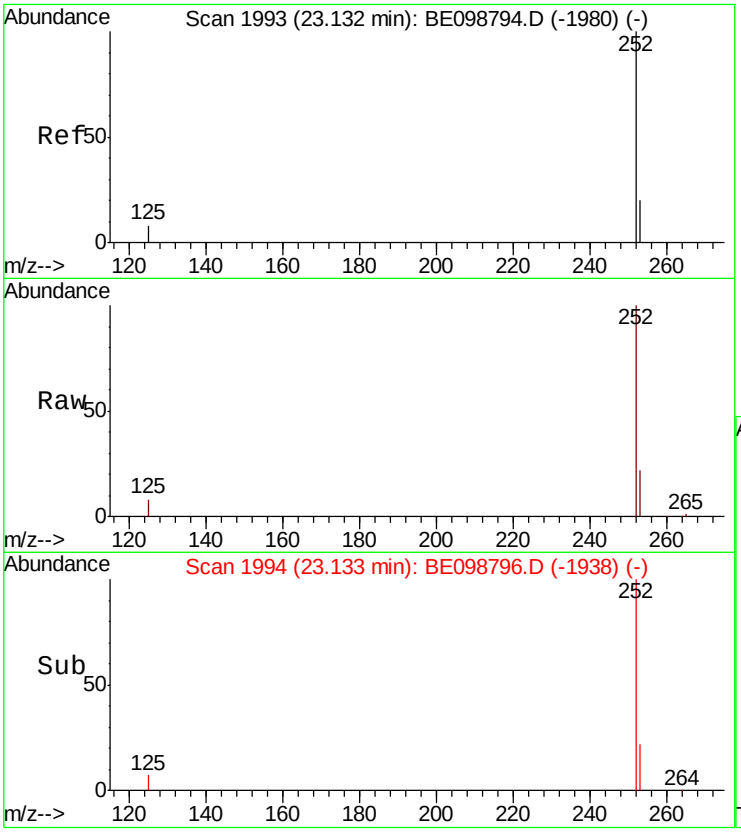


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:264 Resp: 7189

Ion	Ratio	Lower	Upper
264	100		
260	25.3	21.2	31.8
265	27.7	24.6	36.8



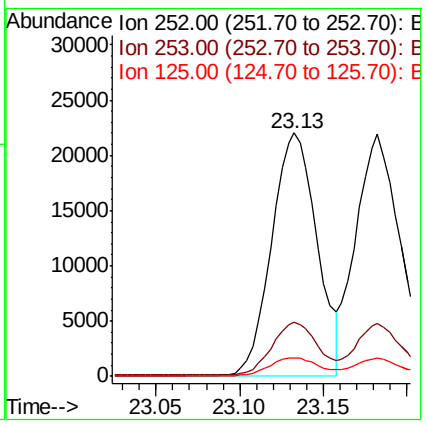


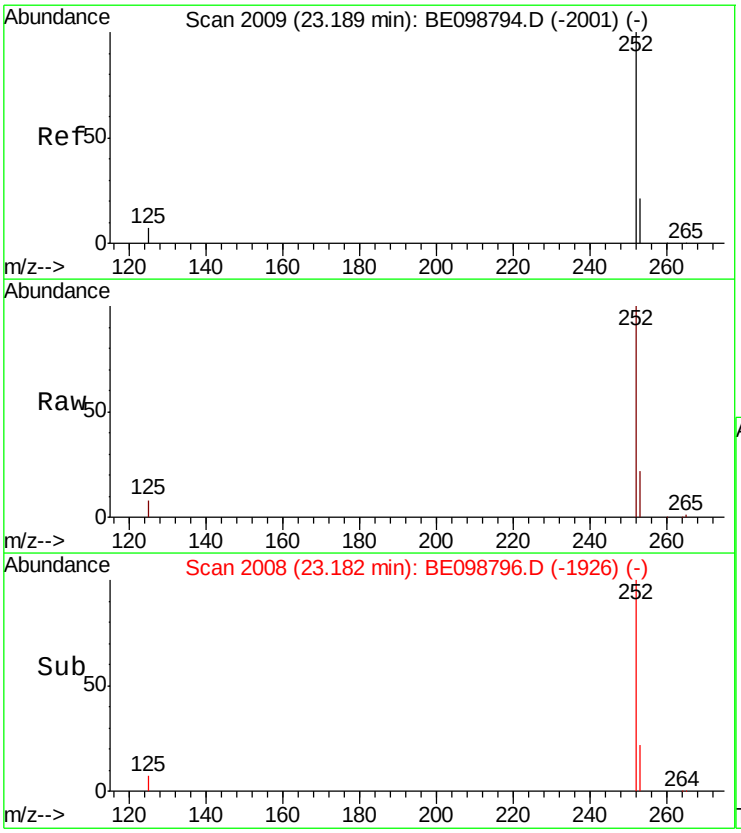
#35
Benzo(b)fluoranthene
Concen: 2.114 ng
RT: 23.13 min Scan# 1994
Delta R.T. 0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 41457

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	7.6	7.3	10.9

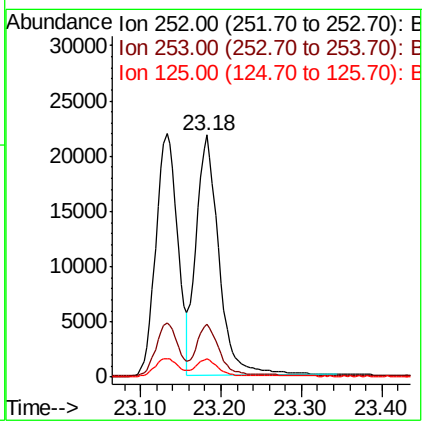


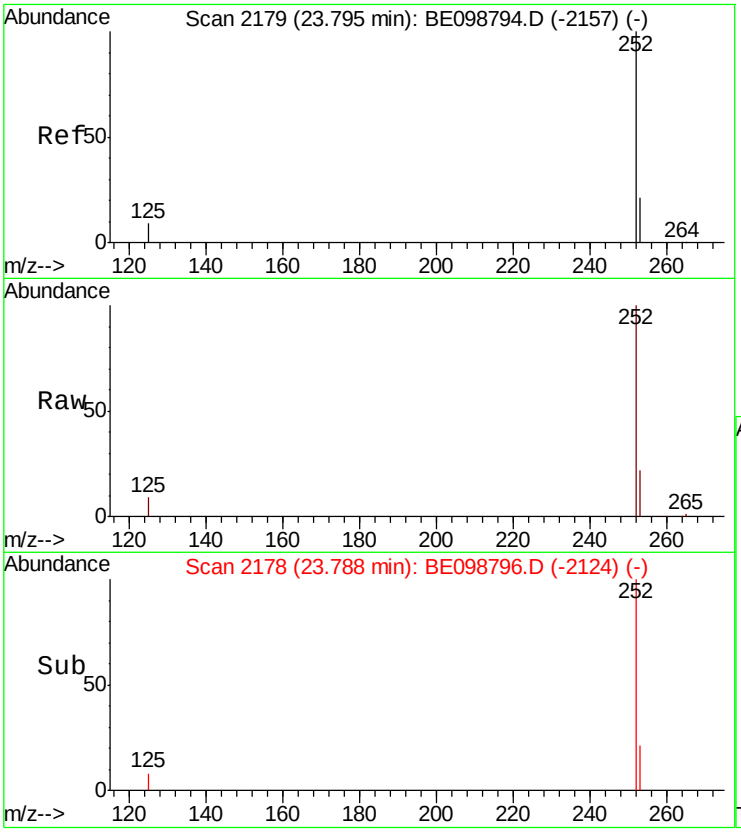


#36
Benzo(k)fluoranthene
Concen: 2.008 ng
RT: 23.18 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:252 Resp: 43037

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.3	28.9
125	7.6	7.5	11.3



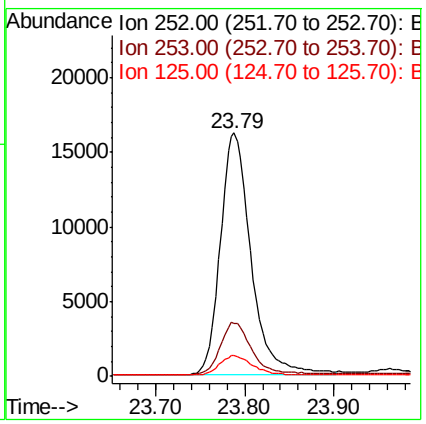


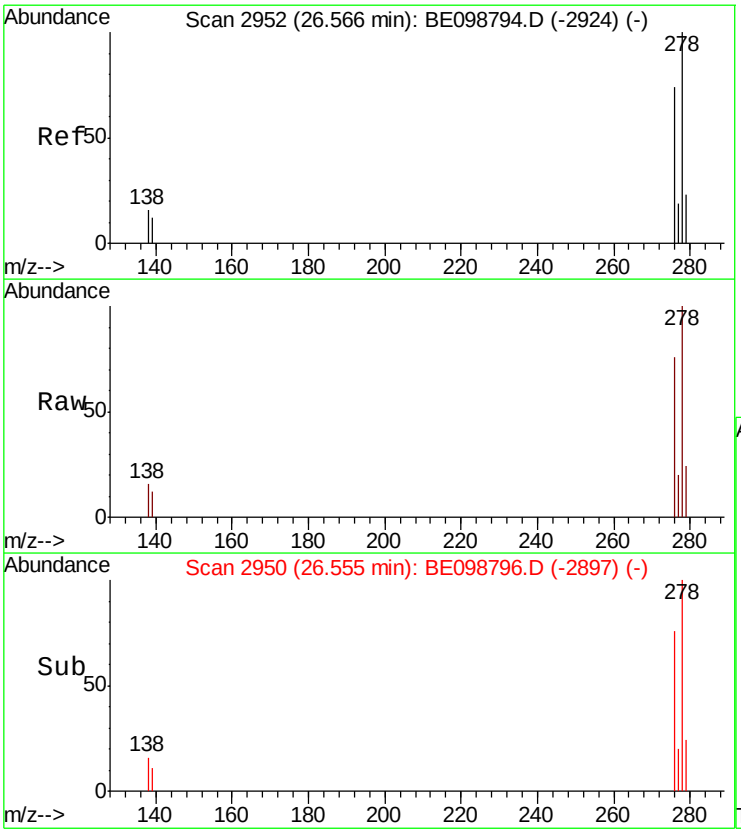
#37
Benzo(a)pyrene
Concen: 2.028 ng
RT: 23.79 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 39074

Ion	Ratio	Lower	Upper
252	100		
253	22.0	19.9	29.9
125	8.7	9.0	13.4#

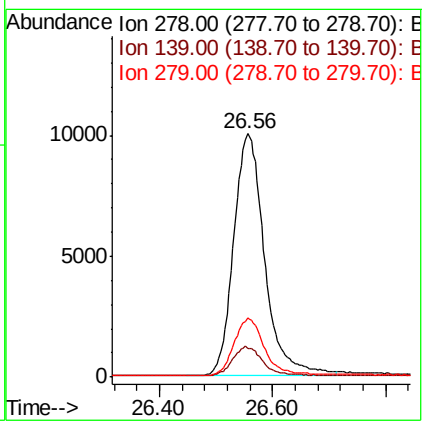


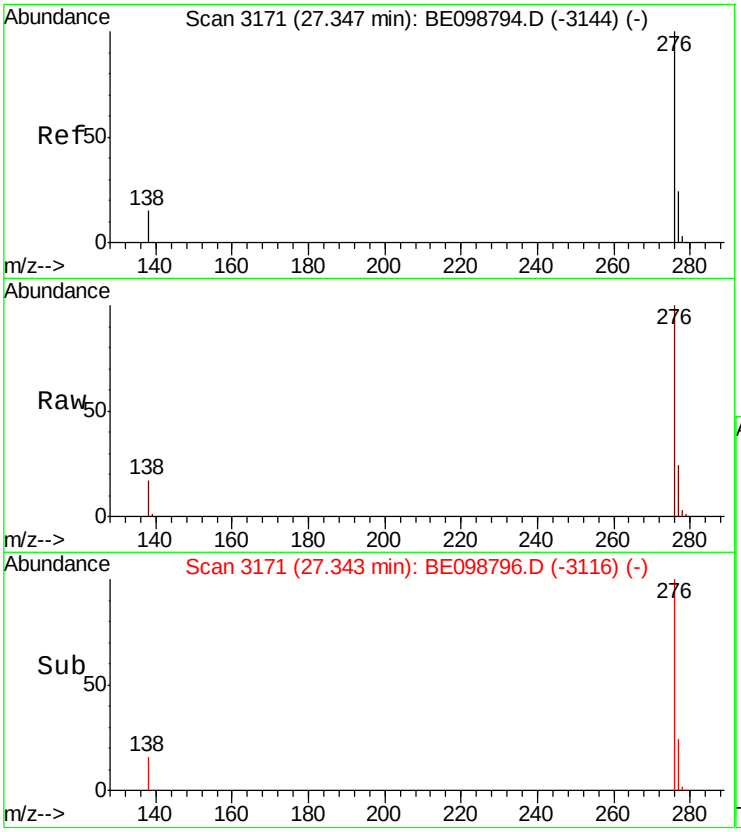


#38
Dibenzo(a,h)anthracene
Concen: 2.237 ng
RT: 26.56 min Scan# 2950
Delta R.T. -0.01 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Tgt Ion:278 Resp: 38156

Ion	Ratio	Lower	Upper
278	100		
139	11.9	11.8	17.6
279	24.4	21.1	31.7





#39
Benzo(g,h,i)perylene
Concen: 2.073 ng
RT: 27.34 min Scan# 3171
Delta R.T. -0.00 min
Lab File: BE098796.D
Acq: 6 Mar 2019 13:22

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 38756

Ion	Ratio	Lower	Upper
276	100		
277	24.2	20.4	30.6
138	16.6	13.6	20.4