Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121818\
Data File : BE098512.D
Acq On : 18 Dec 2018 12:40
Operator : SJ/JU
Sample : J6405-07MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : RE105D1-20181210MSD

Quant Time: Dec 19 02:55:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	721	0.40	ng		-0.01
7) Naphthalene-d8	10.65	136	3785	0.40	ng		-0.01
13) Acenaphthene-d10	14.51	164	2684	0.40	ng		-0.01
19) Phenanthrene-d10	17.27	188	6401	0.40	ng		-0.01
27) Chrysene-d12	21.45	240	7003	0.40	ng		-0.01
34) Perylene-d12	23.99	264	6861	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.44	112	408	0.24	ng		0.00
5) Phenol-d6	7.04	99	300	0.13	ng		0.00
8) Nitrobenzene-d5	9.03	82	1090	0.32	ng		0.01
11) 2-Methylnaphthalene-d10	12.25	152	2906	0.47	ng		-0.01
14) 2,4,6-Tribromophenol	16.01	330	359	0.36	ng		-0.01
15) 2-Fluorobiphenyl	13.13	172	5041	0.45	ng		-0.01
25) Fluoranthene-d10	19.30	212	36500	0.44	ng		-0.01
29) Terphenyl-d14	19.89	244	7795	0.46	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.36	88	6075	4.872	ng		99
9) Naphthalene	10.71	128	393	0.010	ng	#	62
10) Hexachlorobutadiene	10.98	225	15	0.006	ng		89
12) 2-Methylnaphthalene	12.33	142	80	0.013	ng	#	69
16) Acenaphthylene	14.24	152	61	0.005	ng	#	72
17) Acenaphthene	14.57	154	26	0.003	ng	#	72
18) Fluorene	15.57	166	77	0.008	ng	#	94
20) 4-Bromophenyl-phenylether	16.45	248	17	0.005	ng	#	78
21) Hexachlorobenzene	16.58	284	28	0.008	ng	#	42
23) Phenanthrene	17.30	178	152	0.010	ng	#	60
24) Anthracene	17.41	178	73	0.005	ng	#	75
26) Fluoranthene	19.33	202	148	0.007	ng	#	91
28) Pyrene	19.69	202	130	0.006	ng	#	88
30) Benzo(a)anthracene	21.44	228	192	0.010	ng	#	44
31) Chrysene	21.49	228	225	0.011	ng	#	55
32) Bis(2-ethylhexyl)phthalate	21.35	149	3634	0.090	ng	#	98
33) Indeno(1,2,3-cd)pyrene	26.68	276	11	0.001	ng	#	1
36) Benzo(k)fluoranthene	23.26	252	143	0.007	ng	#	1
37) Benzo(a)pyrene	23.89	252	311	0.016	ng	#	1
38) Dibenzo(a,h)anthracene	26.68	278	22	0.001	ng	#	1
39) Benzo(g,h,i)perylene	27.49	276	9	0.000	ng	#	1

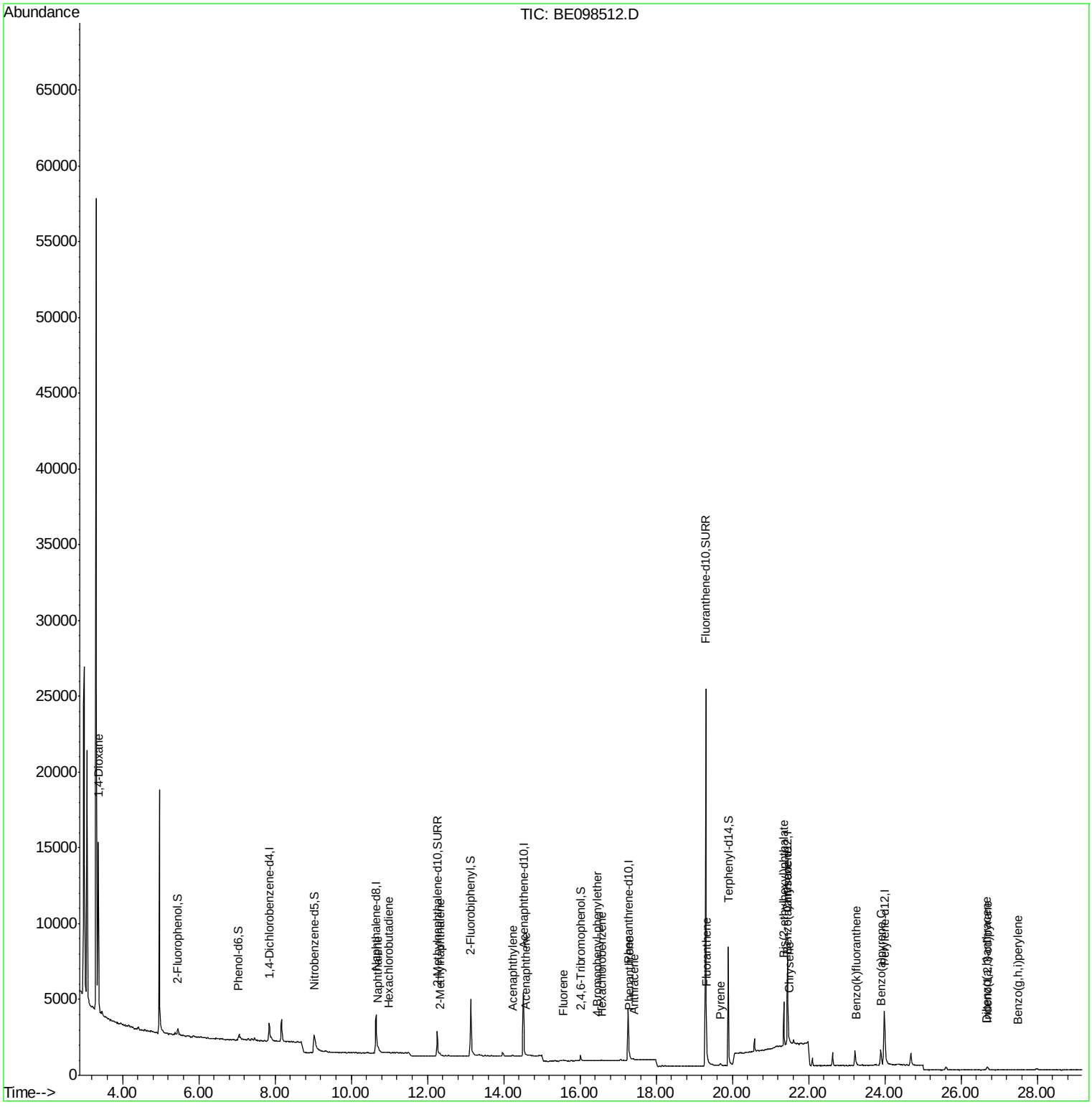
(#) = qualifier out of range (m) = manual integration (+) = signals summed

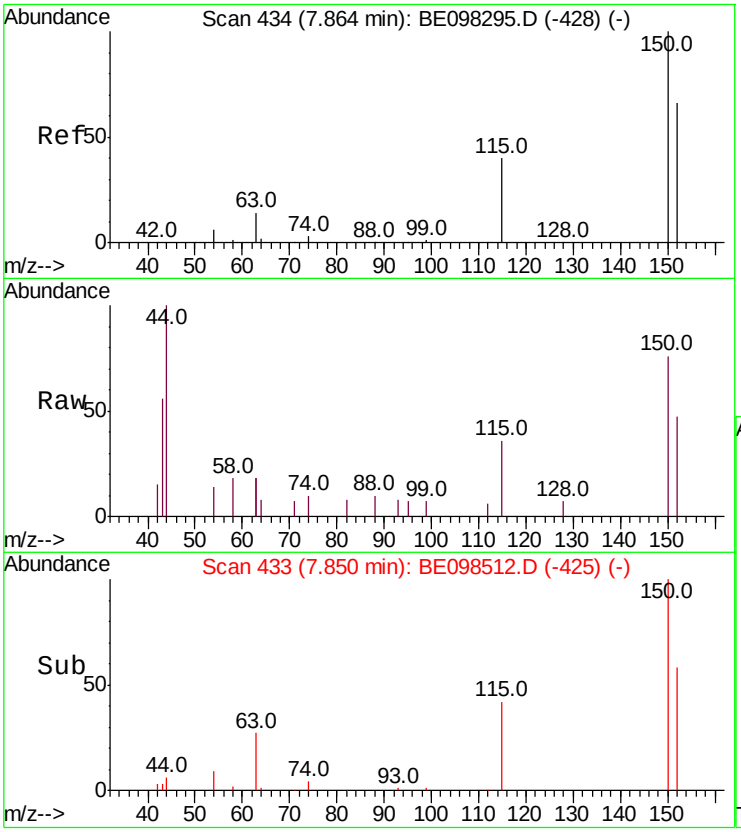
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121818\
Data File : BE098512.D
Acq On : 18 Dec 2018 12:40
Operator : SJ/JU
Sample : J6405-07MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Quant Time: Dec 19 02:55:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration



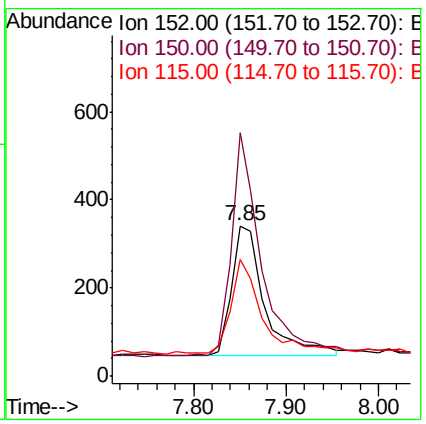


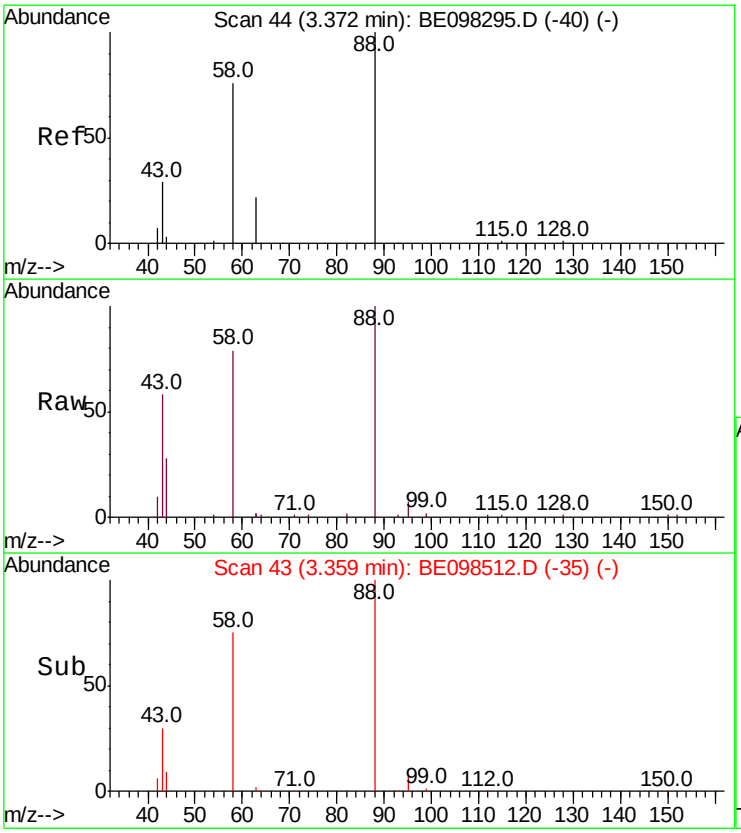
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.85 min Scan# 433
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:152 Resp: 721

Ion	Ratio	Lower	Upper
152	100		
150	161.9	124.2	186.4
115	77.4	53.9	80.9

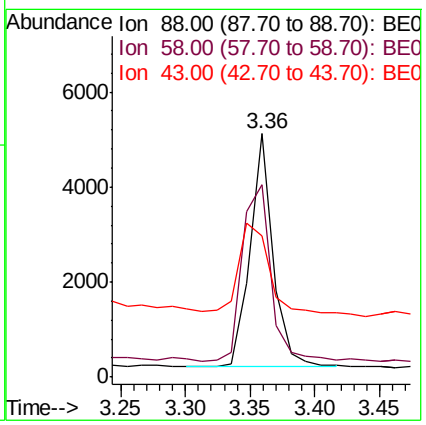


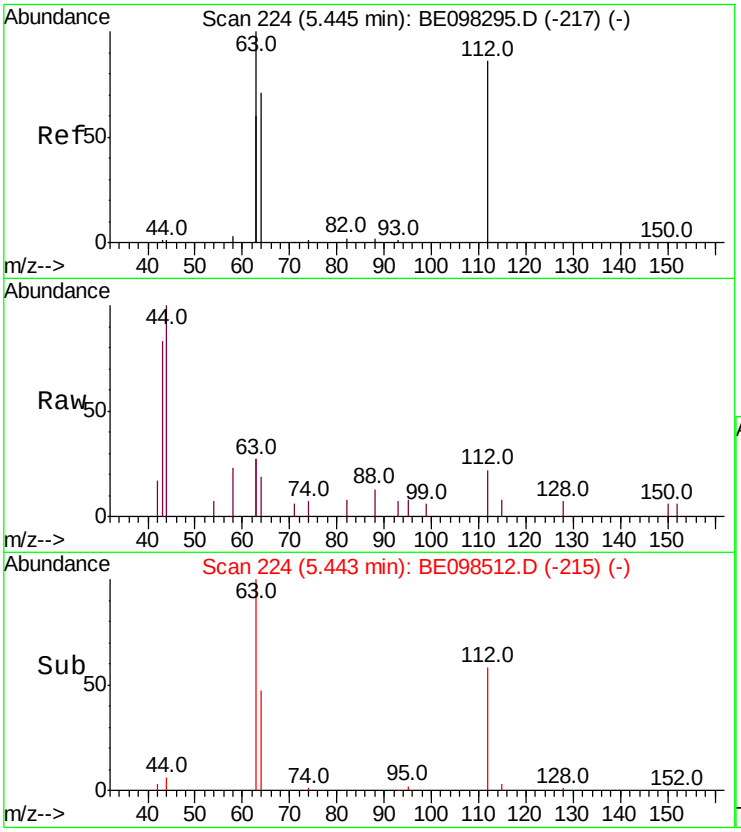


#2
1,4-Dioxane
Concen: 4.872 ng
RT: 3.36 min Scan# 43
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion: 88 Resp: 6075

Ion	Ratio	Lower	Upper
88	100		
58	93.0	75.0	112.6
43	49.2	38.3	57.5



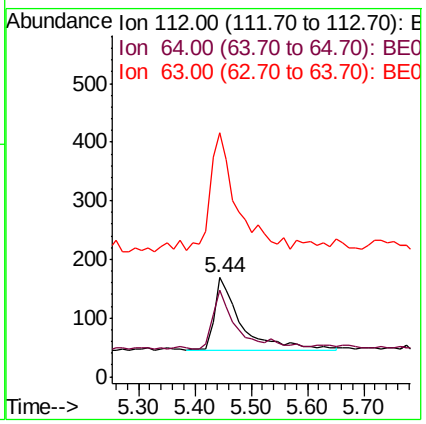


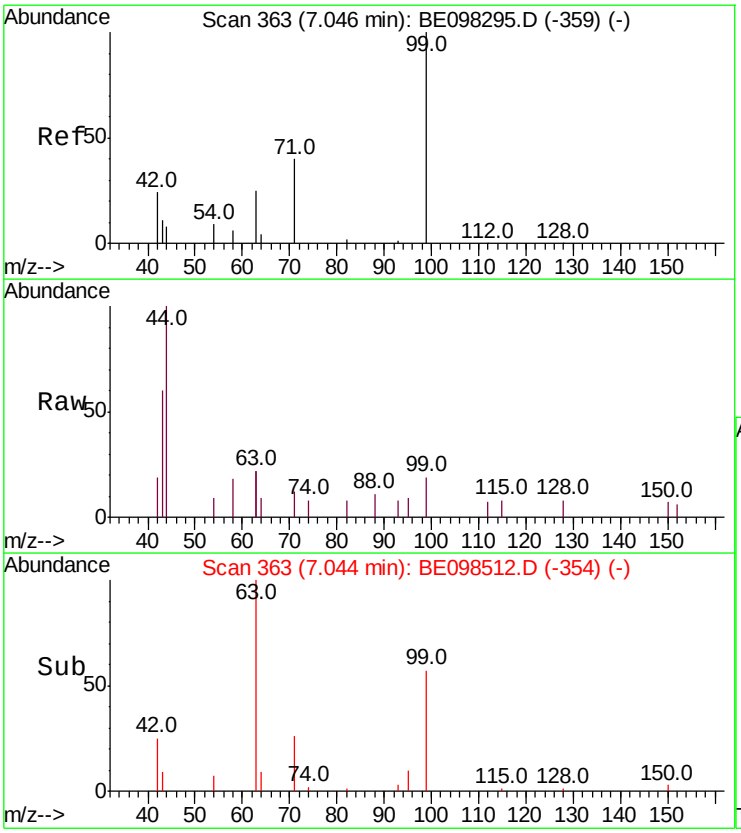
#4
2-Fluorophenol
Concen: 0.242 ng
RT: 5.44 min Scan# 224
Delta R.T. -0.00 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:112 Resp: 408

Ion	Ratio	Lower	Upper
112	100		
64	64.0	59.8	89.8
63	150.7	133.7	200.5

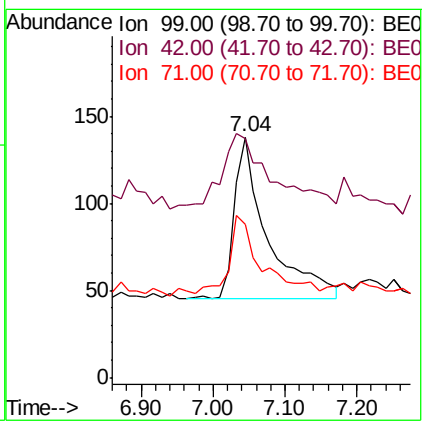


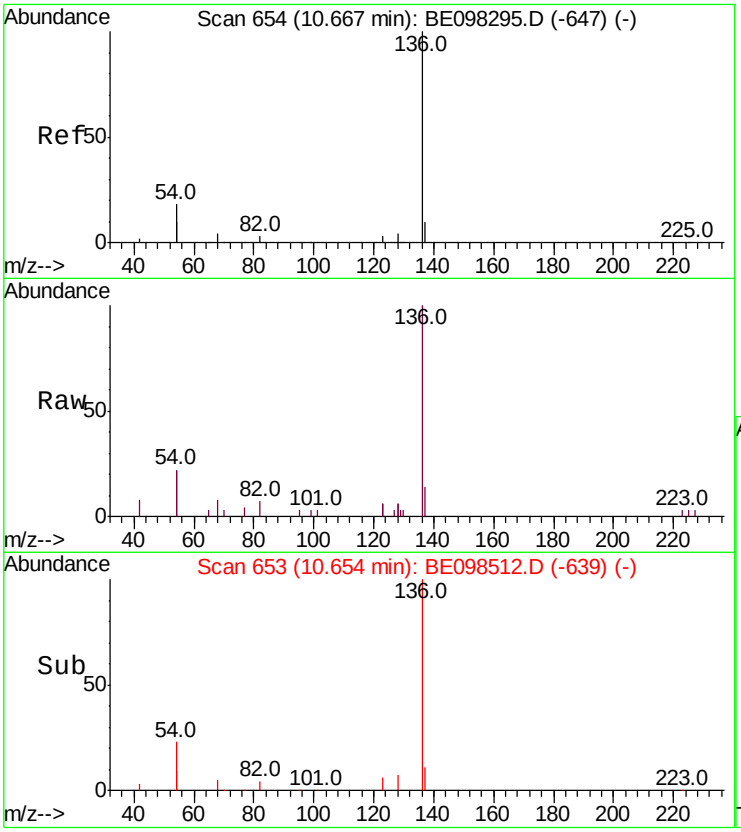


#5
Phenol-d6
Concen: 0.126 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion: 99 Resp: 300

Ion	Ratio	Lower	Upper
99	100		
42	66.7	26.3	39.5#
71	46.3	33.6	50.4



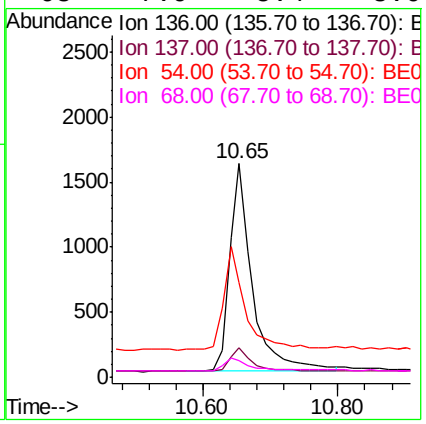


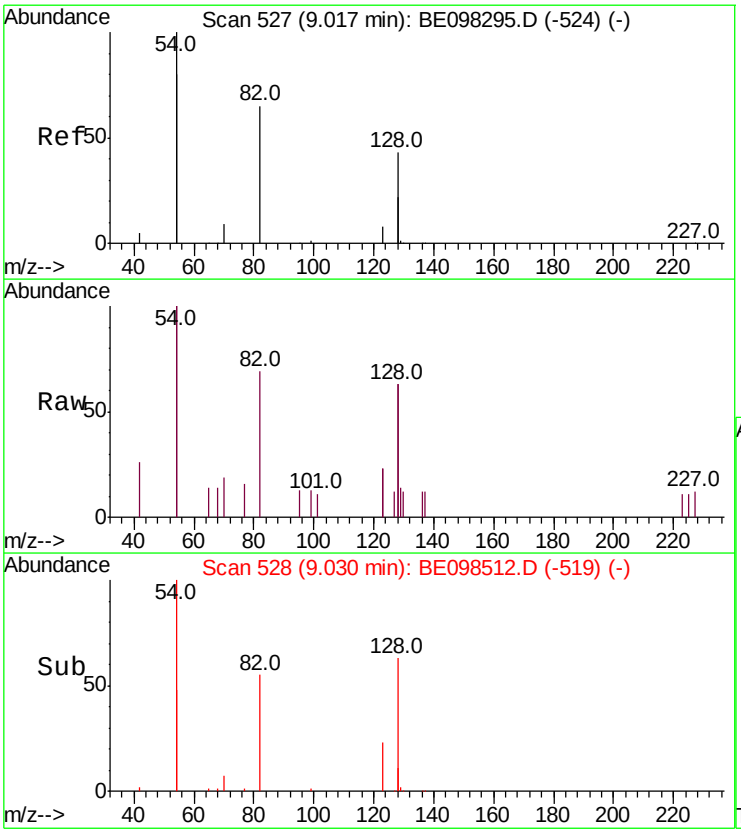
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:136 Resp: 3785

Ion	Ratio	Lower	Upper
136	100		
137	13.8	9.2	13.8#
54	44.2	28.4	42.6#
68	7.9	5.4	8.0

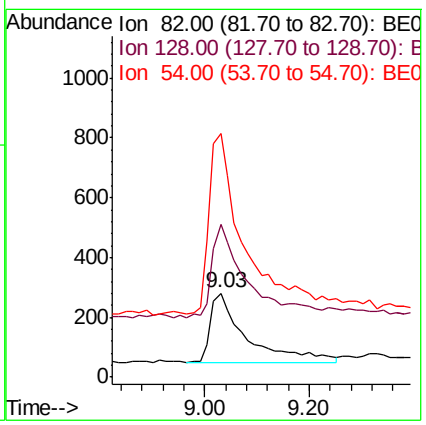


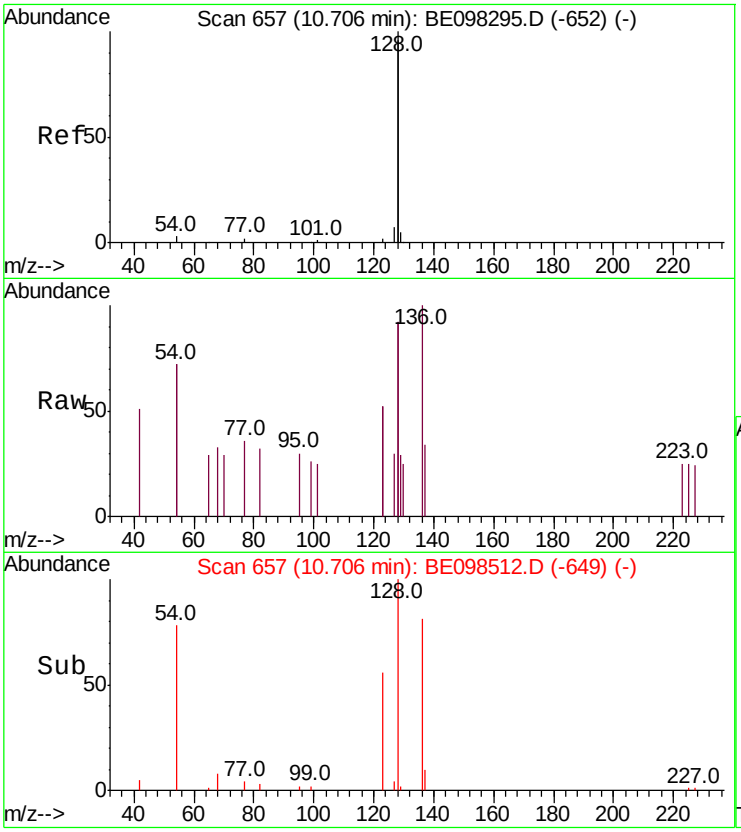


#8
Nitrobenzene-d5
Concen: 0.316 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion: 82 Resp: 1090

Ion	Ratio	Lower	Upper
82	100		
128	182.9	102.4	153.6#
54	290.7	221.8	332.8



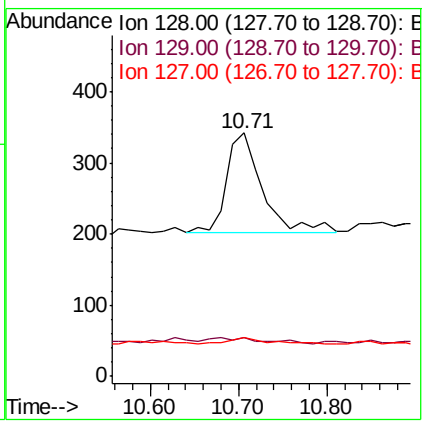


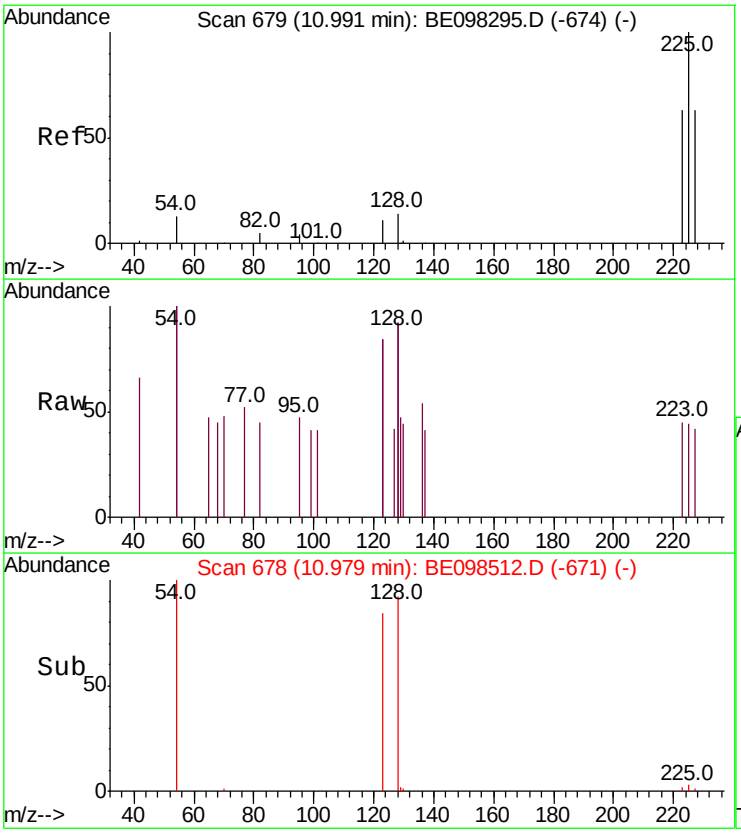
#9
Naphthalene
Concen: 0.010 ng
RT: 10.71 min Scan# 657
Delta R.T. 0.00 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:128 Resp: 393

Ion	Ratio	Lower	Upper
128	100		
129	15.8	2.5	3.7#
127	16.1	2.7	4.1#

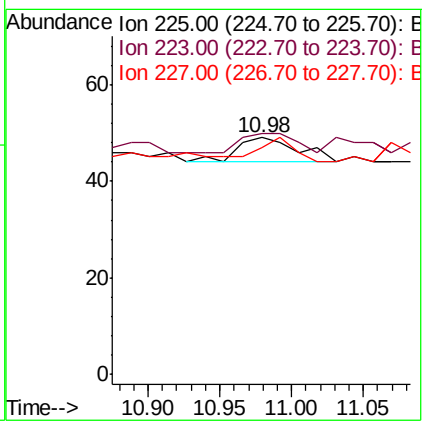


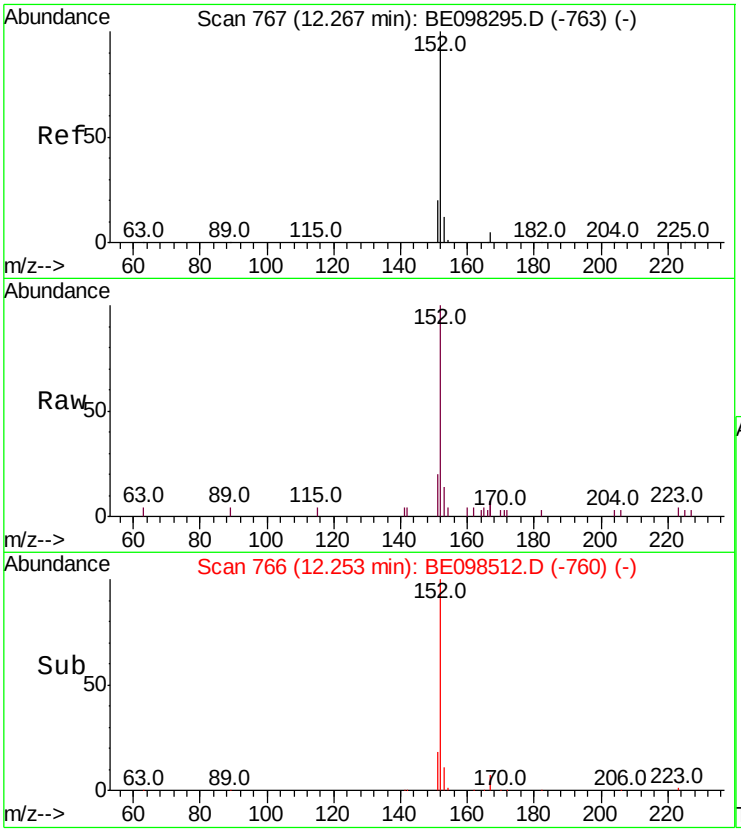


#10
Hexachlorobutadiene
Concen: 0.006 ng
RT: 10.98 min Scan# 678
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:225 Resp: 15

Ion	Ratio	Lower	Upper
225	100		
223	66.7	49.4	74.0
227	53.3	52.0	78.0



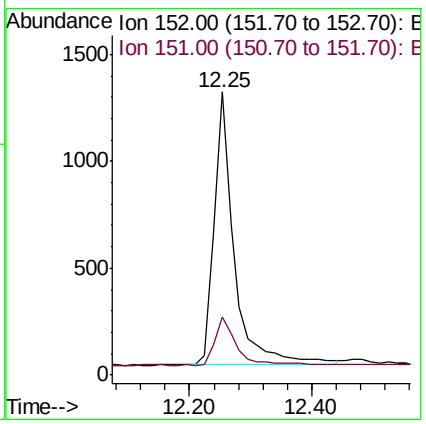


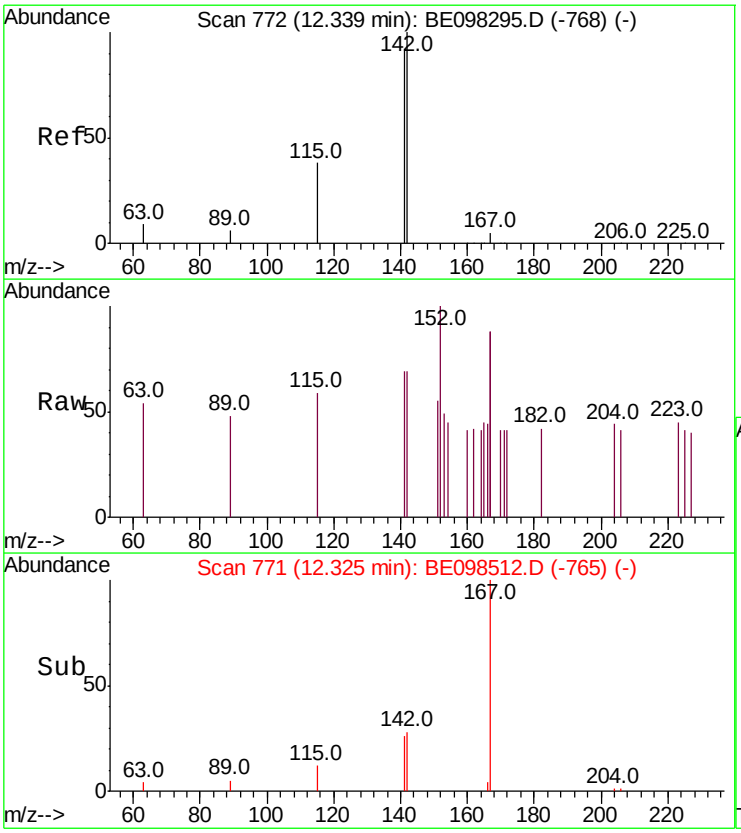
#11
2-Methylnaphthalene-d10
Concen: 0.472 ng
RT: 12.25 min Scan# 766
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:152 Resp: 2906

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.2	24.4

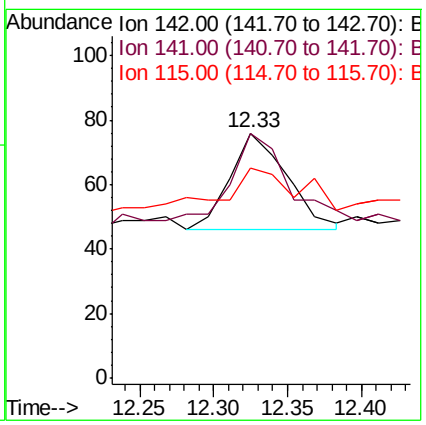


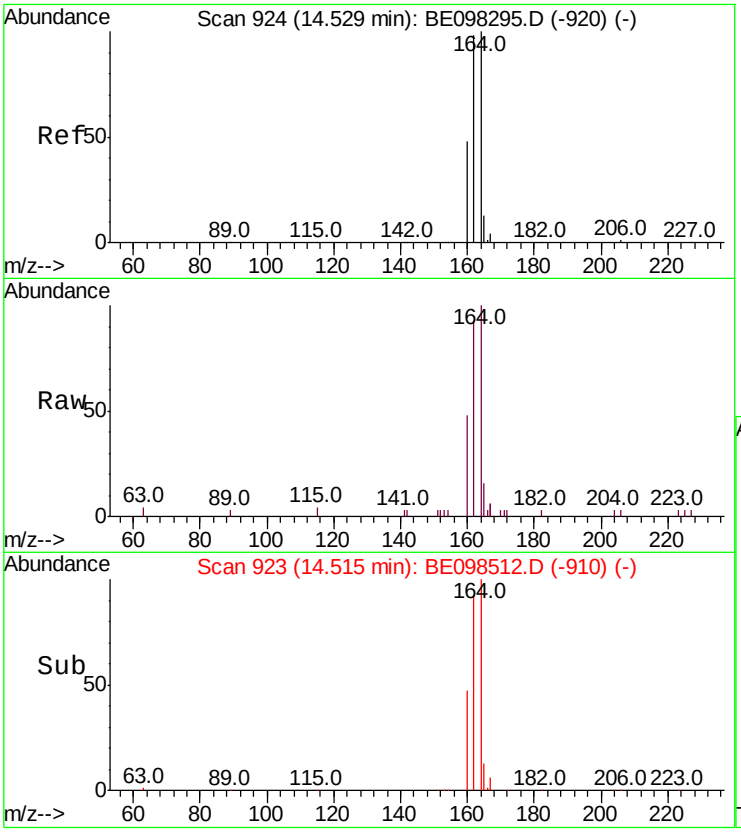


#12
2-Methylnaphthalene
Concen: 0.013 ng
RT: 12.33 min Scan# 771
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:142 Resp: 80

Ion	Ratio	Lower	Upper
142	100		
141	100.0	71.0	106.6
115	85.5	32.2	48.2#



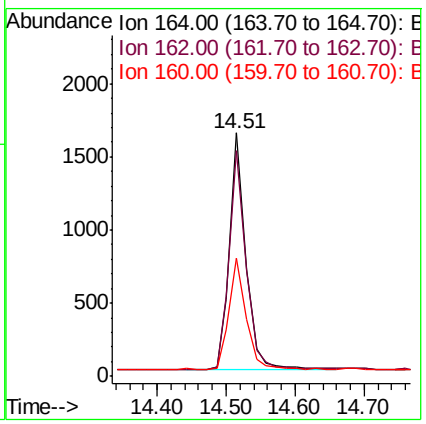


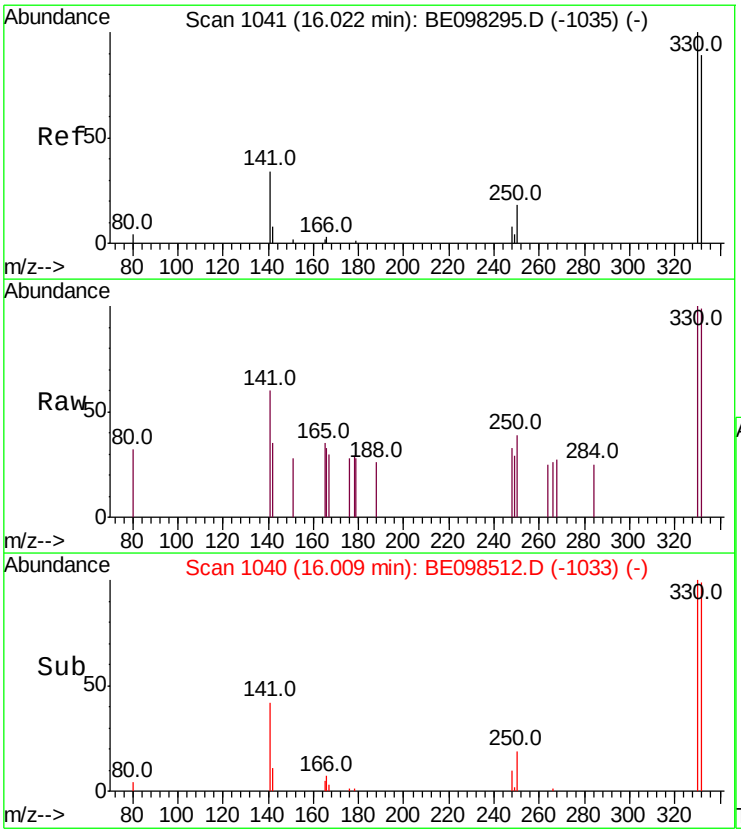
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:164 Resp: 2684

Ion	Ratio	Lower	Upper
164	100		
162	92.8	77.6	116.4
160	48.4	36.0	54.0

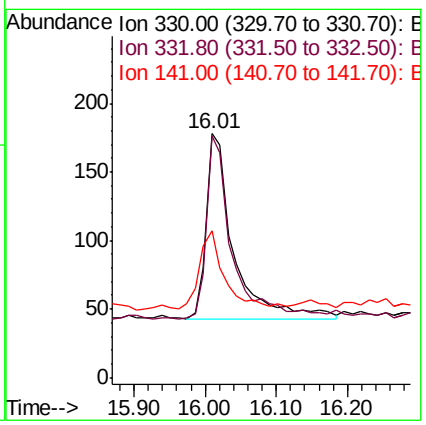


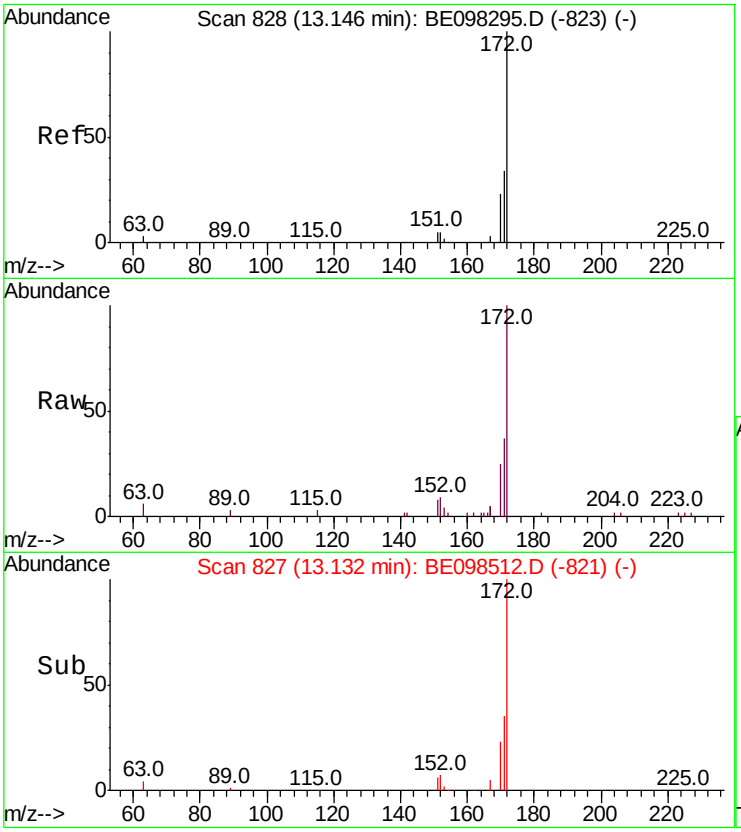


#14
2,4,6-Tribromophenol
Concen: 0.364 ng
RT: 16.01 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:330 Resp: 359

Ion	Ratio	Lower	Upper
330	100		
332	93.3	76.2	114.4
141	38.4	39.0	58.4#



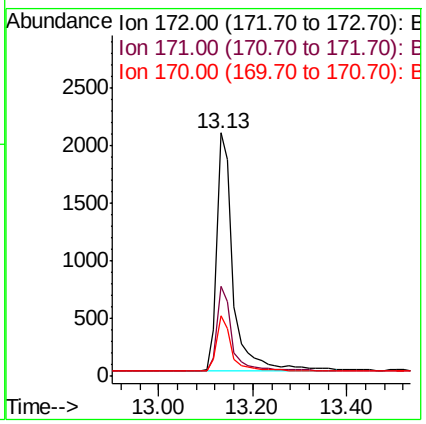


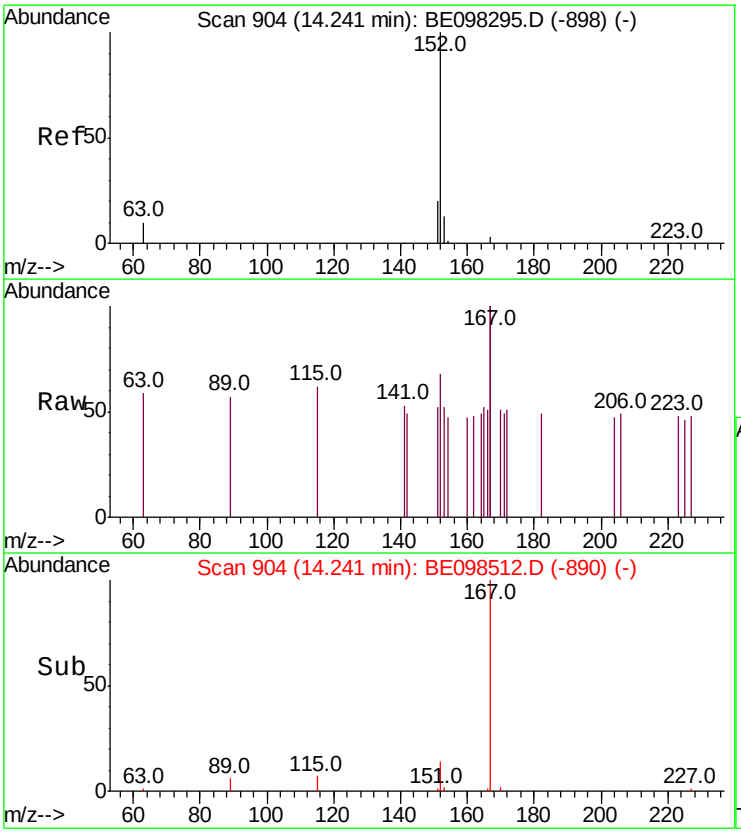
#15
2-Fluorobiphenyl
Concen: 0.445 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:172 Resp: 5041

Ion	Ratio	Lower	Upper
172	100		
171	36.8	27.5	41.3
170	25.0	19.6	29.4

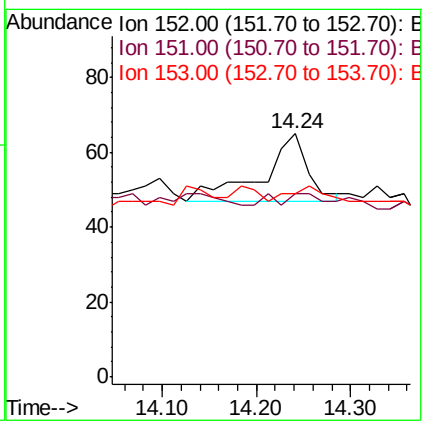


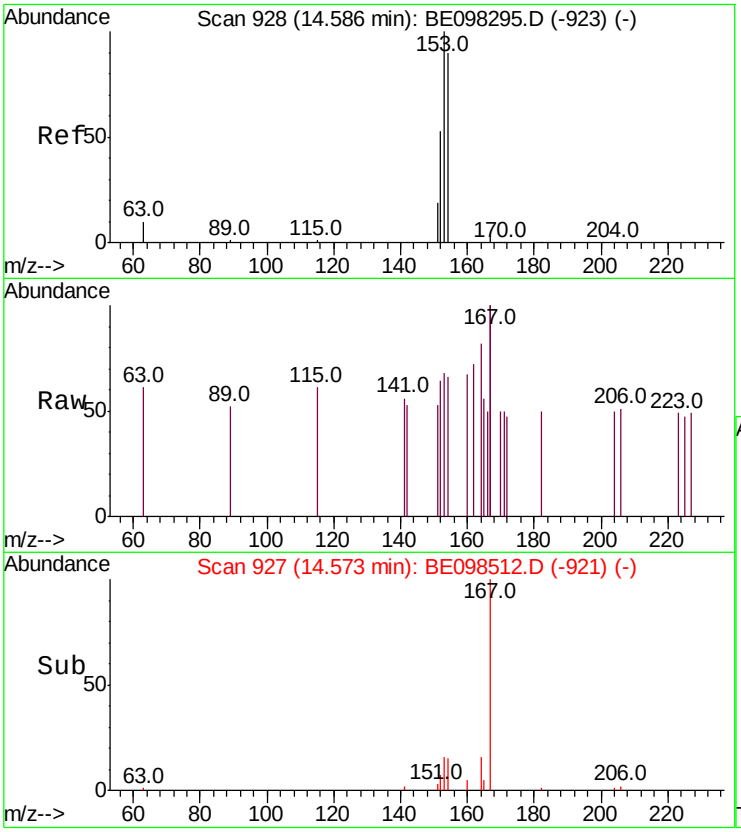


#16
Acenaphthylene
Concen: 0.005 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:152 Resp: 61

Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.5	23.3#
153	16.4	10.6	16.0#



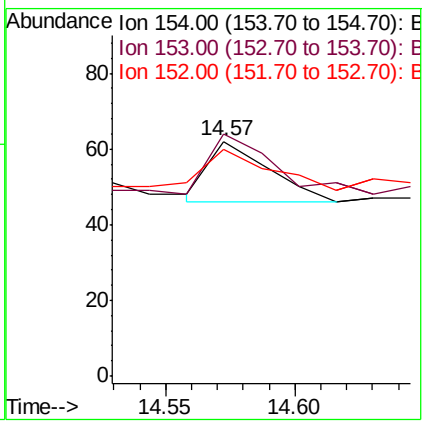


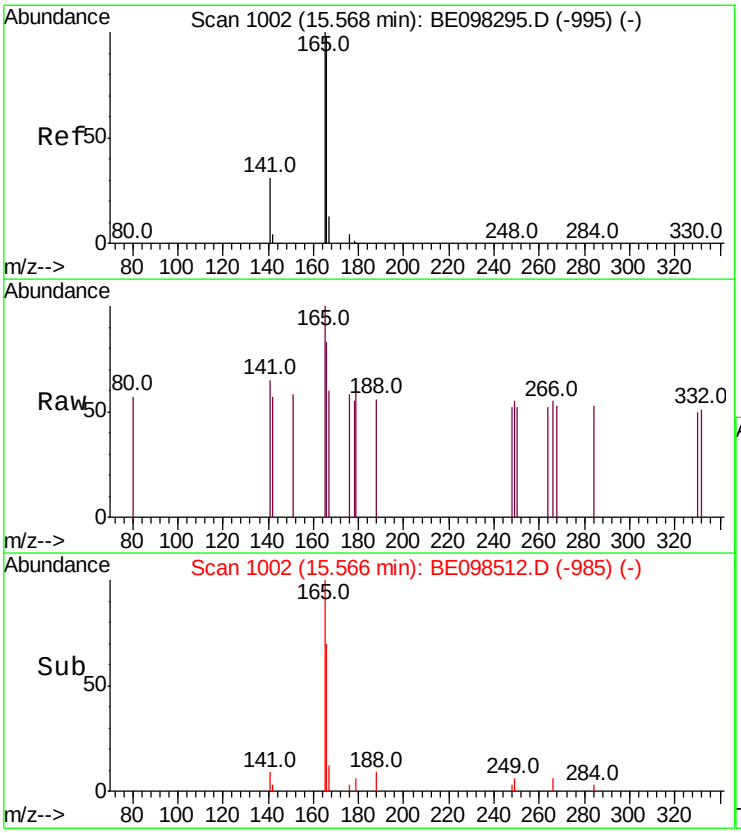
#17
Acenaphthene
Concen: 0.003 ng
RT: 14.57 min Scan# 927
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:154 Resp: 26

Ion	Ratio	Lower	Upper
154	100		
153	84.6	91.8	137.6#
152	76.9	45.5	68.3#

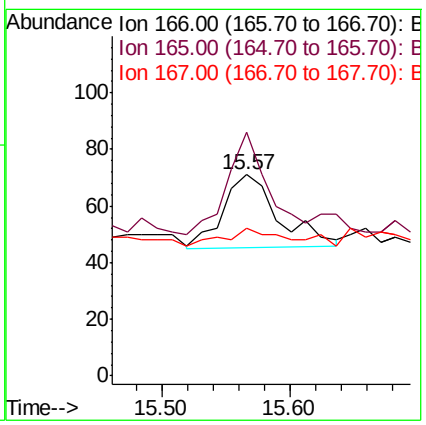


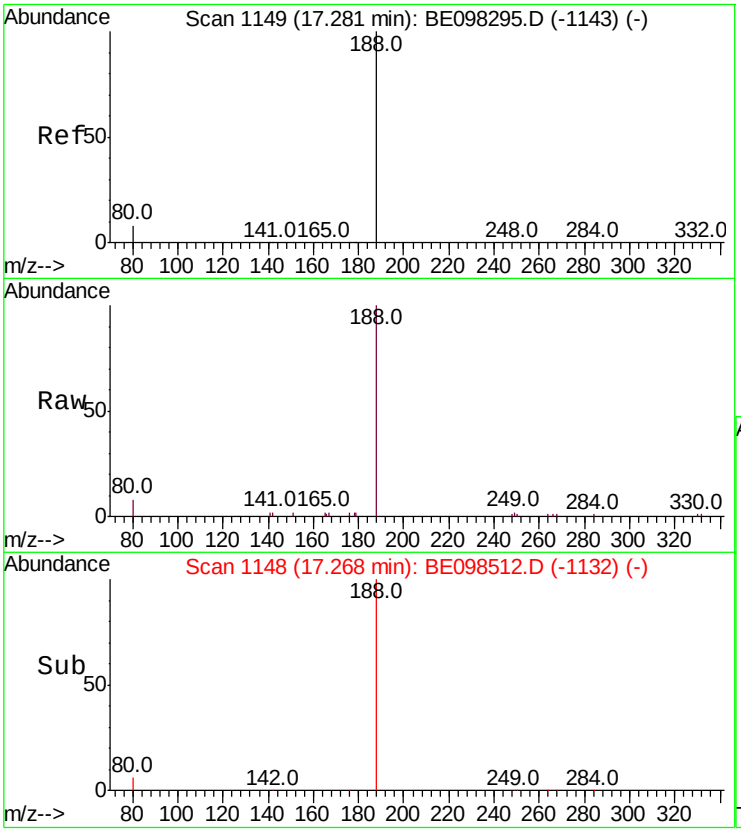


#18
Fluorene
Concen: 0.008 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:166 Resp: 77

Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.3	118.9
167	22.1	11.3	16.9#



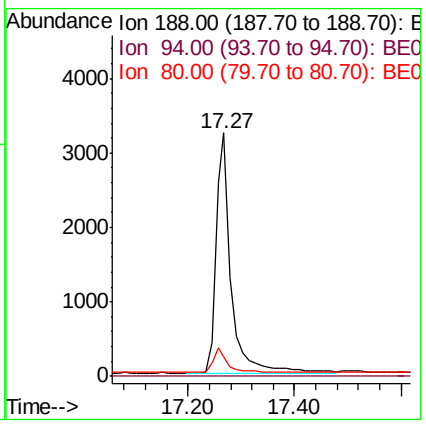


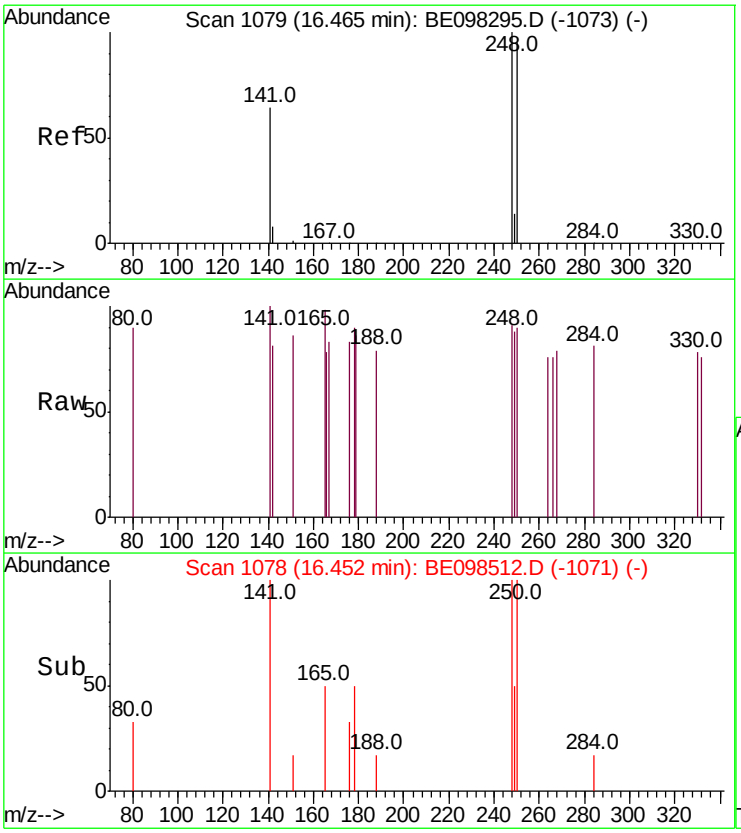
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:188 Resp: 6401

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	7.2	10.8

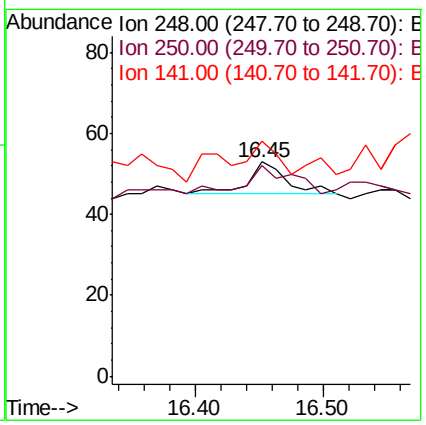


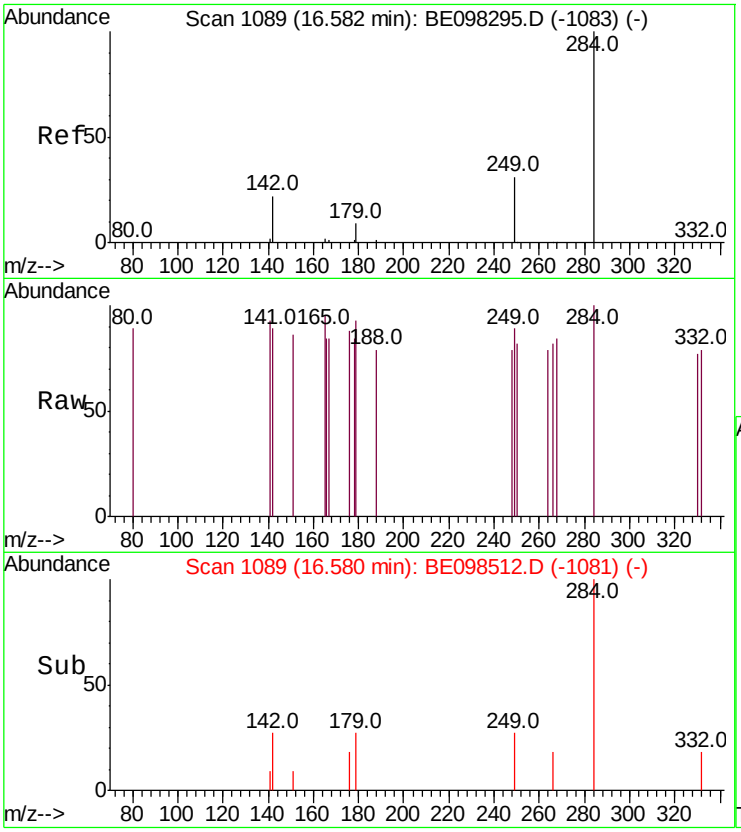


#20
4-Bromophenyl-phenylether
Concen: 0.005 ng
RT: 16.45 min Scan# 1078
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:248 Resp: 17

Ion	Ratio	Lower	Upper
248	100		
250	98.1	71.0	106.6
141	109.4	62.1	93.1#



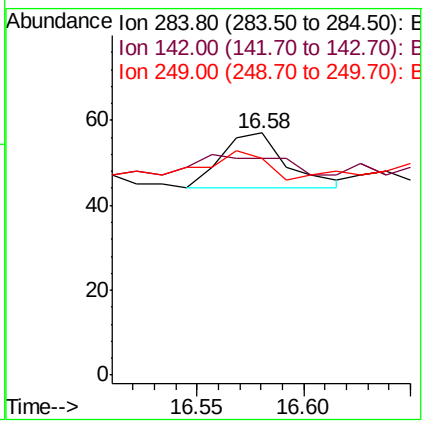


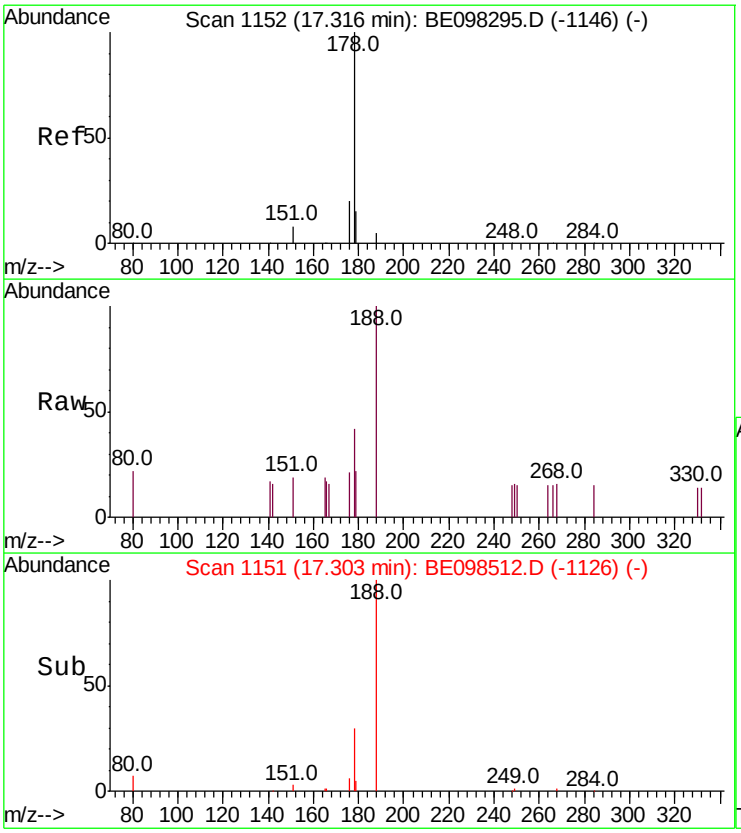
#21
Hexachlorobenzene
Concen: 0.008 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:284 Resp: 28

Ion	Ratio	Lower	Upper
284	100		
142	0.0	26.3	39.5#
249	0.0	26.0	39.0#

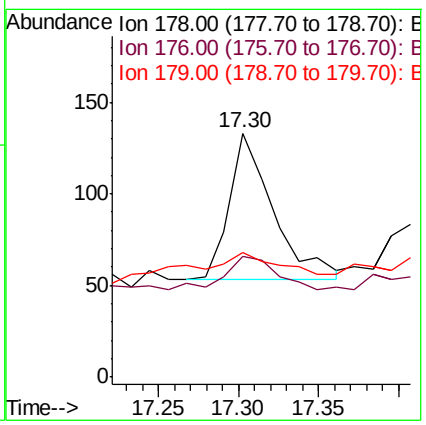


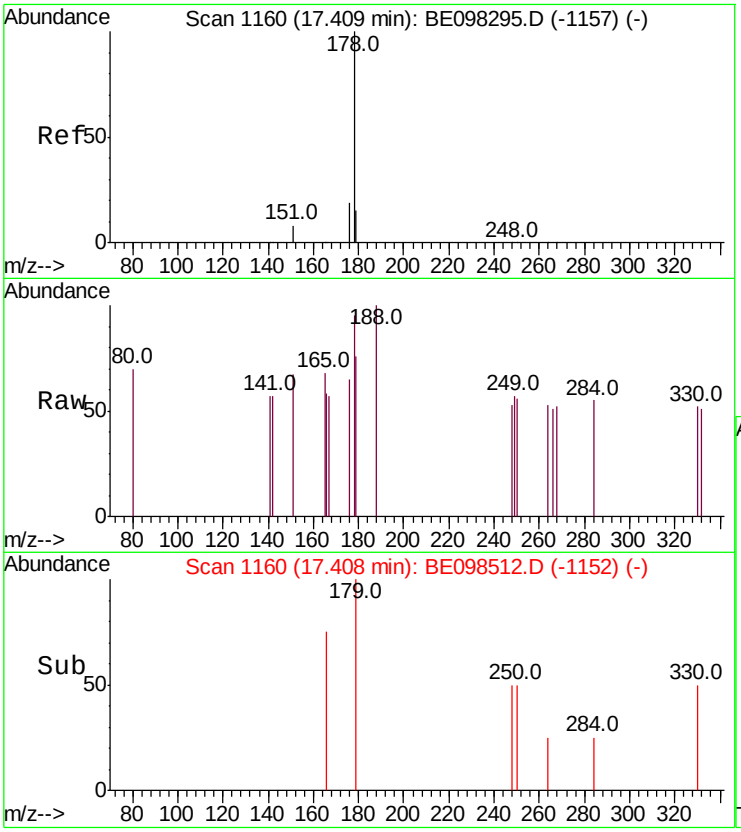


#23
Phenanthrene
Concen: 0.010 ng
RT: 17.30 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:178 Resp: 152

Ion	Ratio	Lower	Upper
178	100		
176	25.7	15.9	23.9#
179	46.7	12.3	18.5#



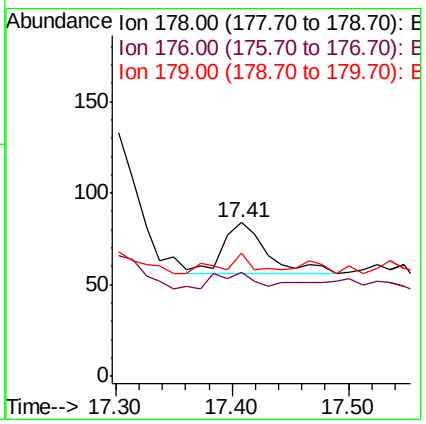


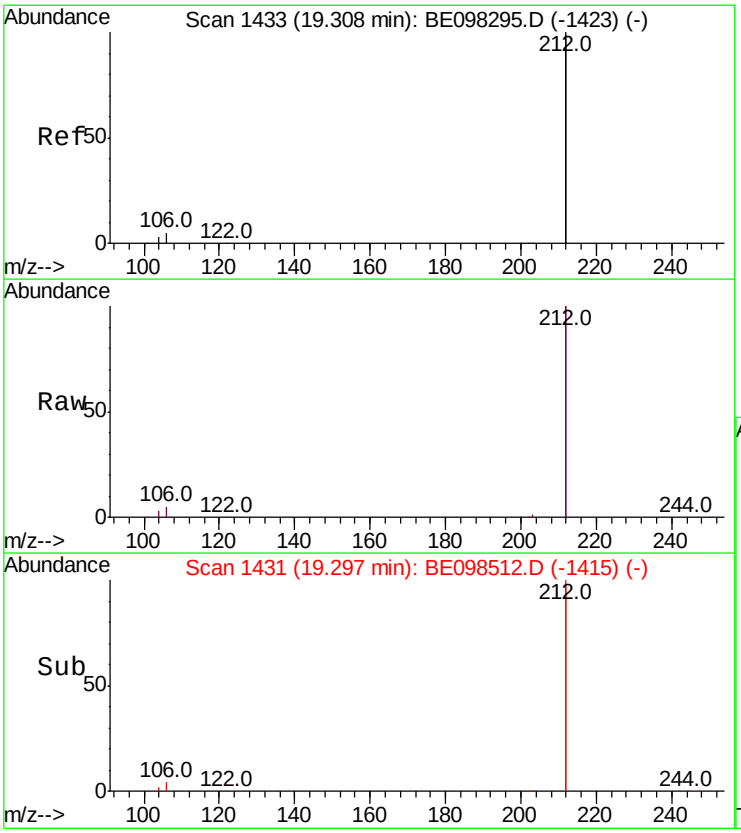
#24
Anthracene
Concen: 0.005 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:178 Resp: 73

Ion	Ratio	Lower	Upper
178	100		
176	27.4	15.0	22.4#
179	28.8	12.3	18.5#

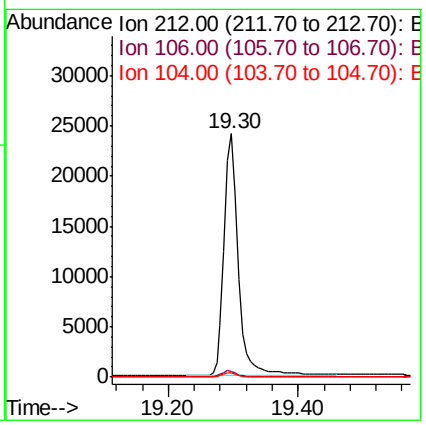


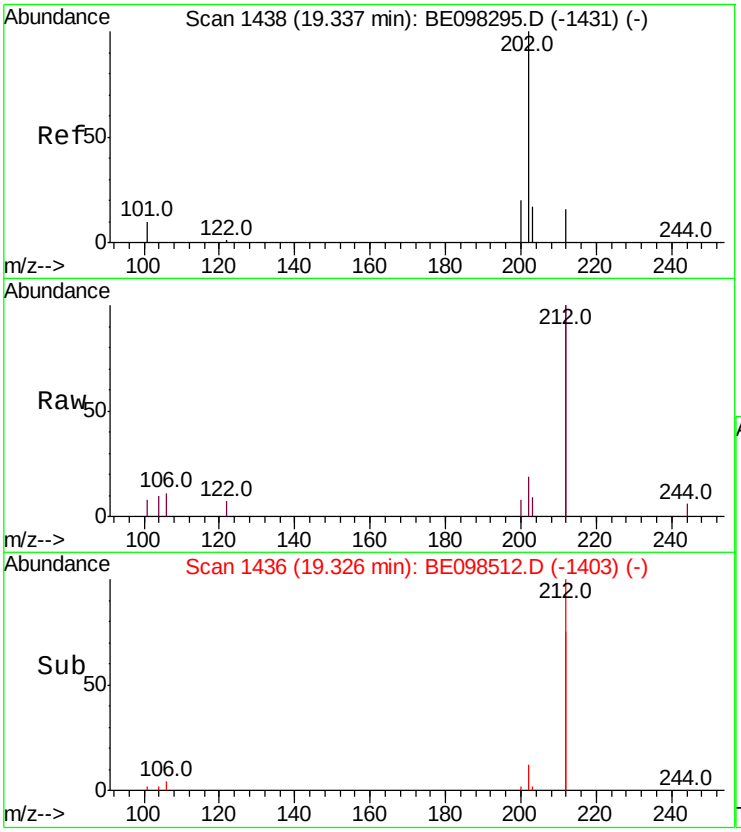


#25
Fluoranthene-d10
Concen: 0.444 ng
RT: 19.30 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:212 Resp: 36500

Ion	Ratio	Lower	Upper
212	100		
106	2.4	2.2	3.2
104	1.4	1.3	1.9



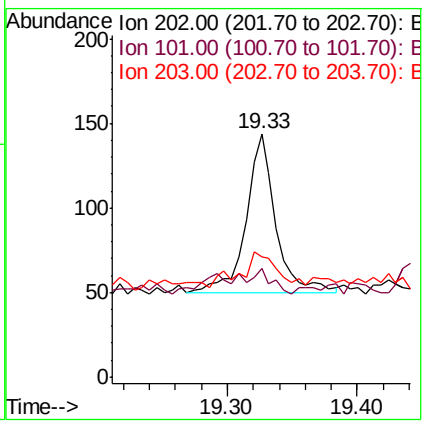


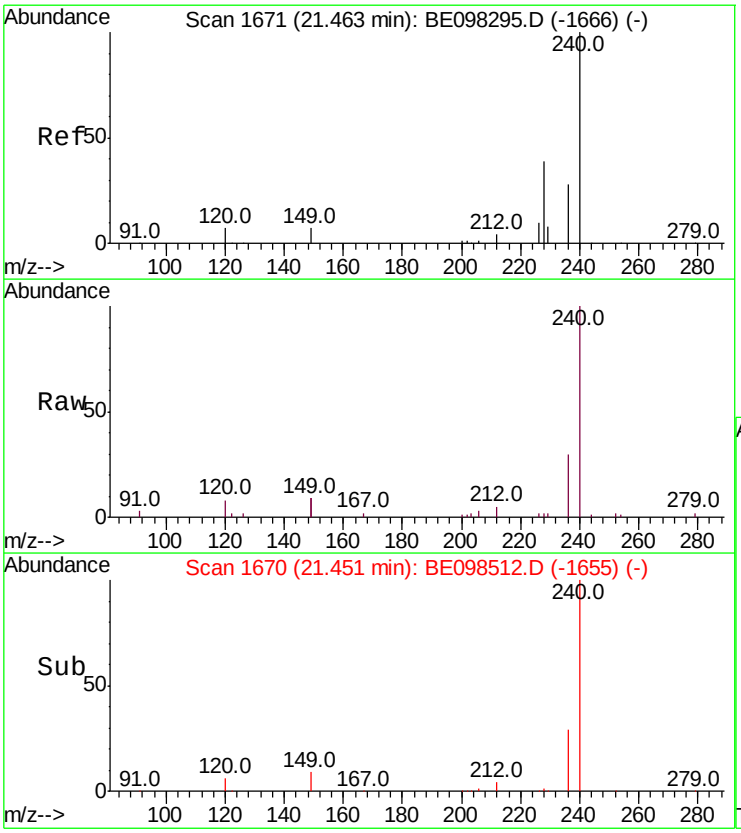
#26
Fluoranthene
Concen: 0.007 ng
RT: 19.33 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:202 Resp: 148

Ion	Ratio	Lower	Upper
202	100		
101	14.2	8.0	12.0#
203	20.3	13.8	20.6

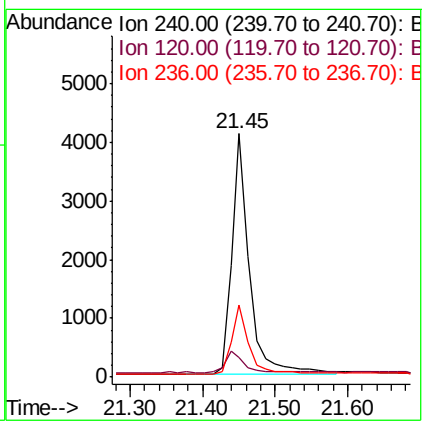


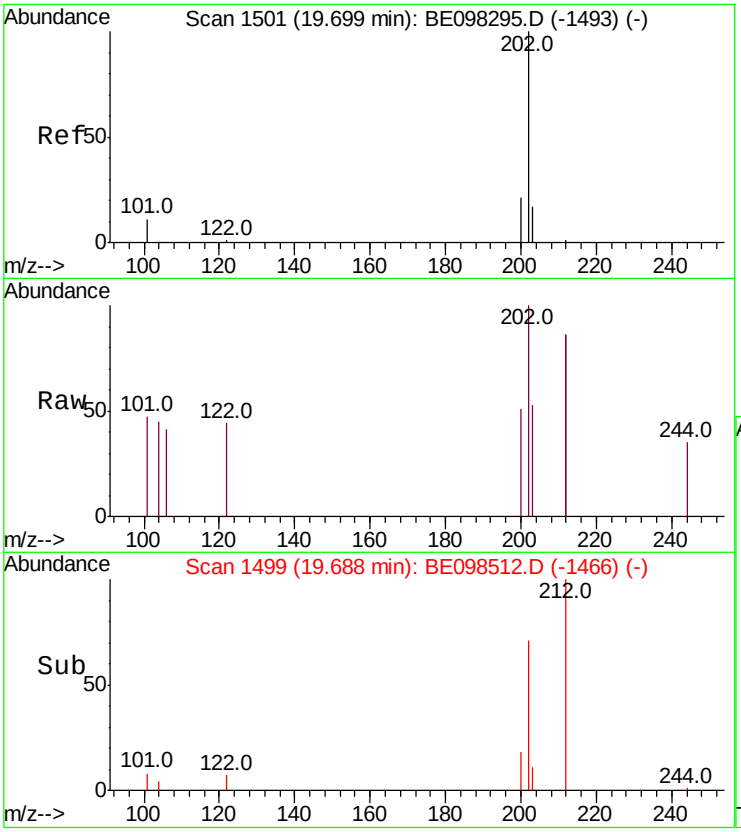


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:240 Resp: 7003

Ion	Ratio	Lower	Upper
240	100		
120	8.0	9.5	14.3#
236	29.8	22.7	34.1



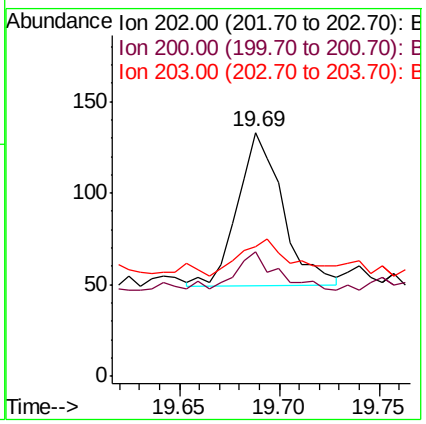


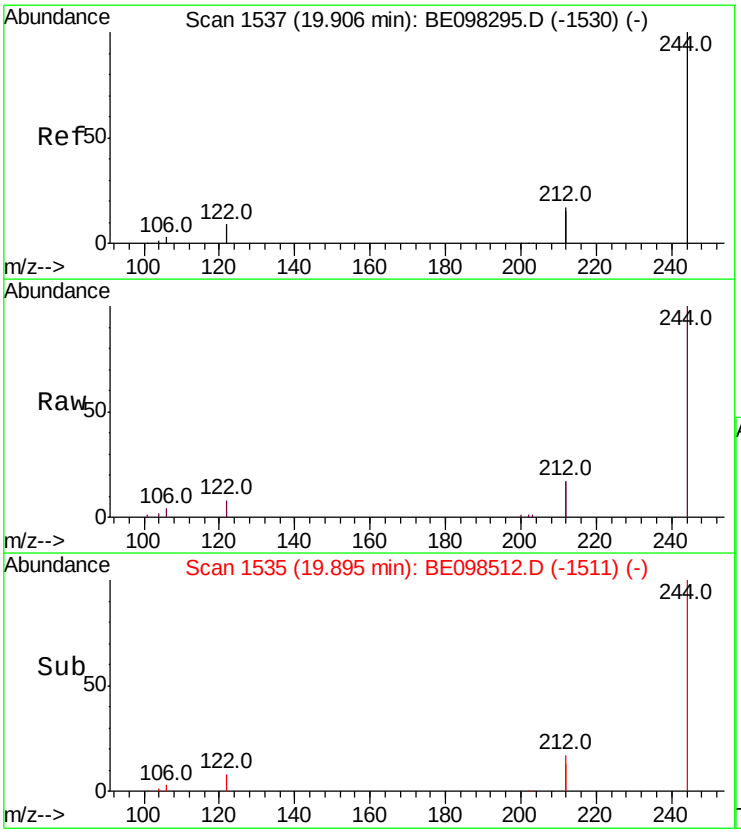
#28
Pyrene
Concen: 0.006 ng
RT: 19.69 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:202 Resp: 130

Ion	Ratio	Lower	Upper
202	100		
200	23.8	16.7	25.1
203	26.2	14.1	21.1#

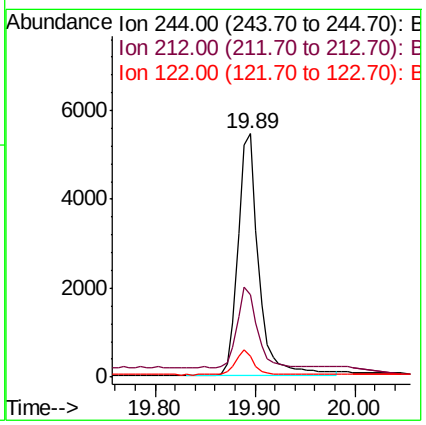


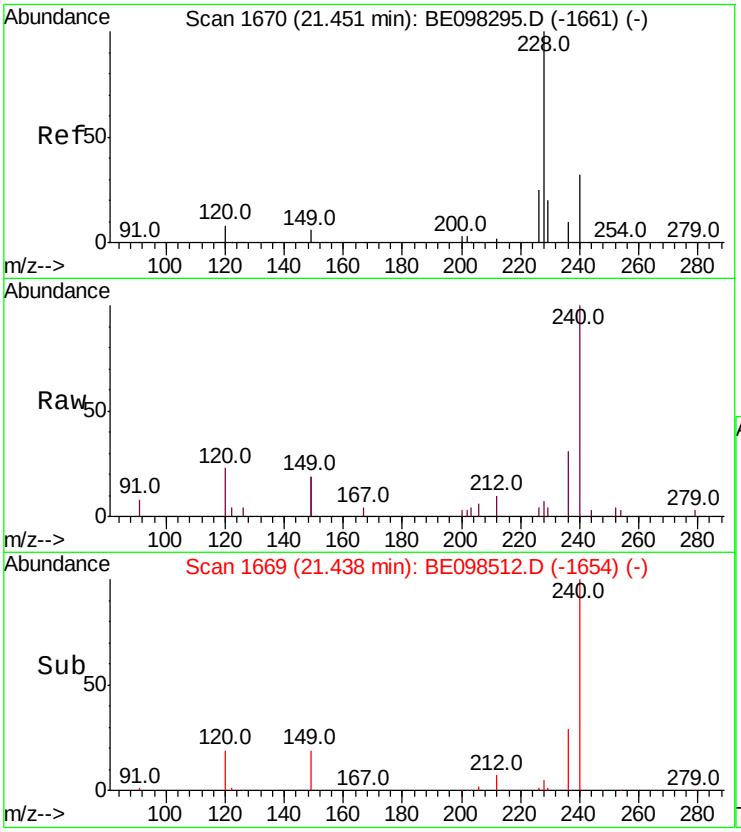


#29
Terphenyl-d14
Concen: 0.458 ng
RT: 19.89 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:244 Resp: 7795

Ion	Ratio	Lower	Upper
244	100		
212	34.0	27.4	41.0
122	8.5	8.3	12.5



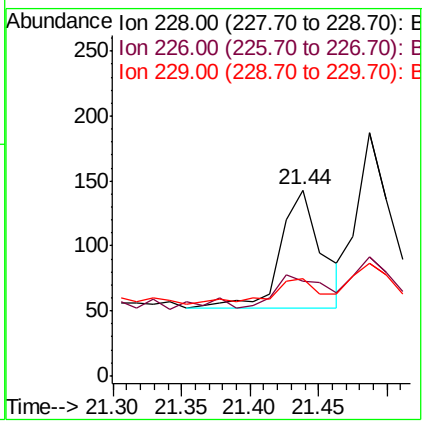


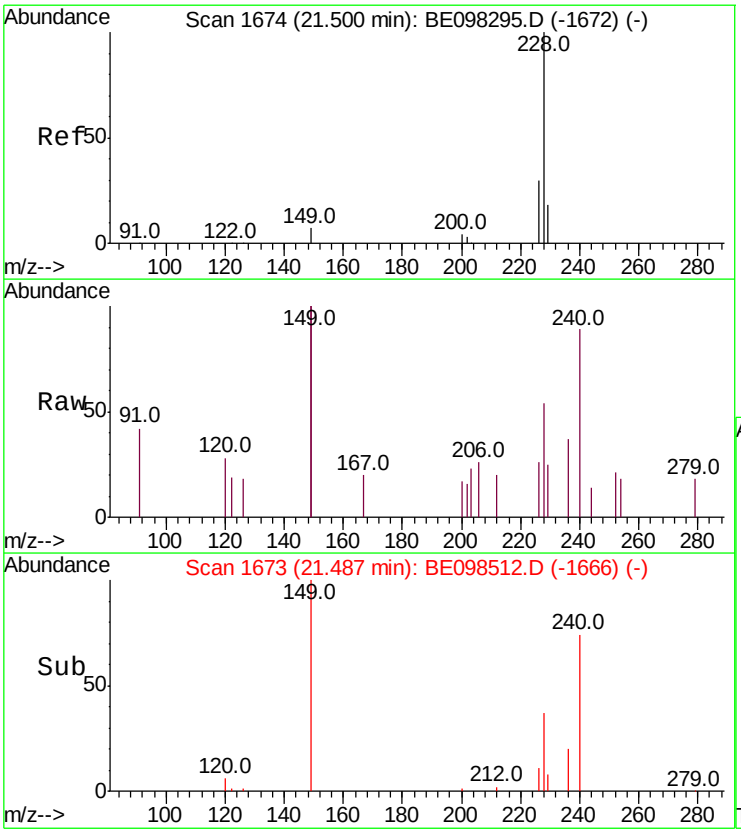
#30
Benzo(a)anthracene
Concen: 0.010 ng
RT: 21.44 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:228 Resp: 192

Ion	Ratio	Lower	Upper
228	100		
226	51.0	21.8	32.8#
229	52.4	16.3	24.5#

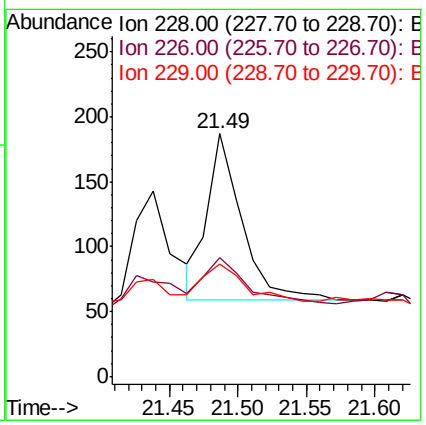


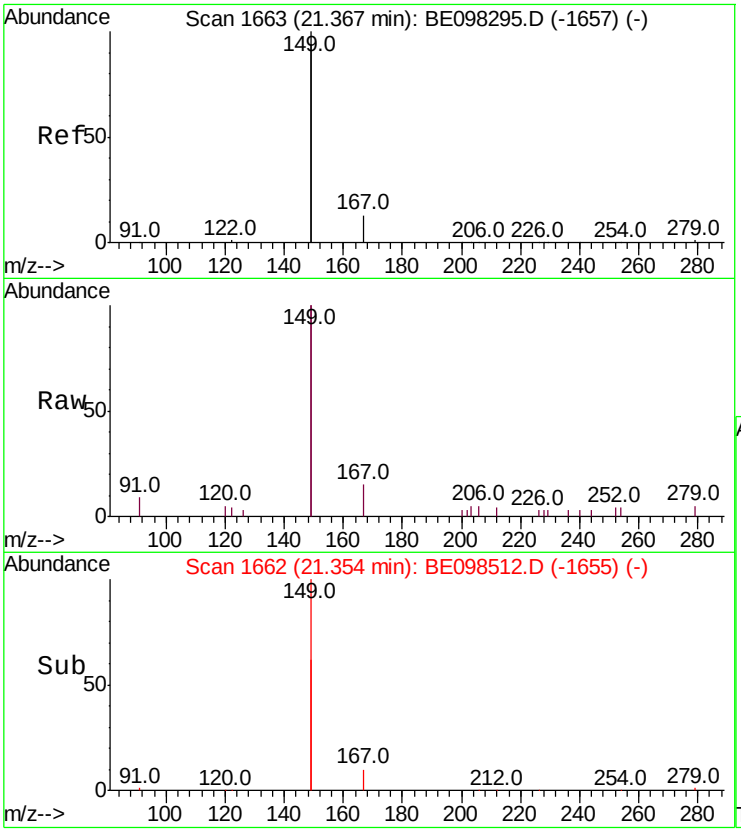


#31
Chrysene
Concen: 0.011 ng
RT: 21.49 min Scan# 1673
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:228 Resp: 225

Ion	Ratio	Lower	Upper
228	100		
226	49.2	23.4	35.0#
229	46.5	16.2	24.4#



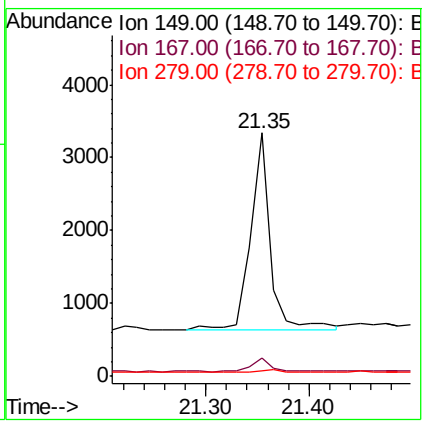


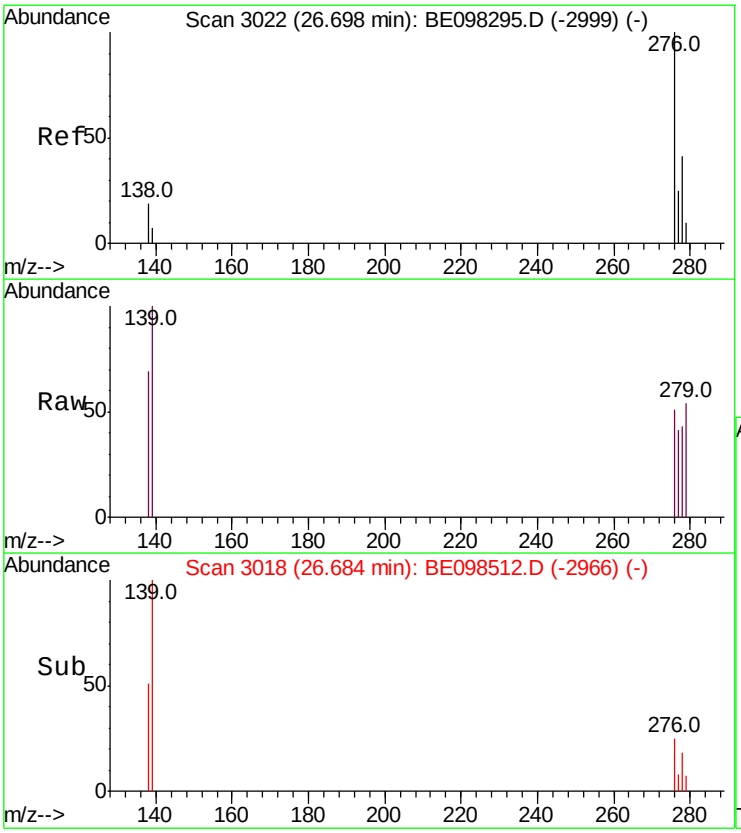
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.090 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:149 Resp: 3634

Ion	Ratio	Lower	Upper
149	100		
167	6.3	5.7	8.5
279	1.8	1.0	1.4#

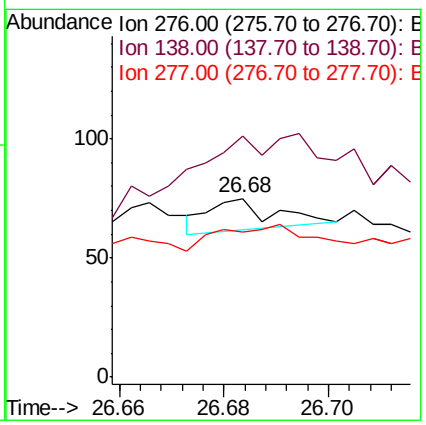


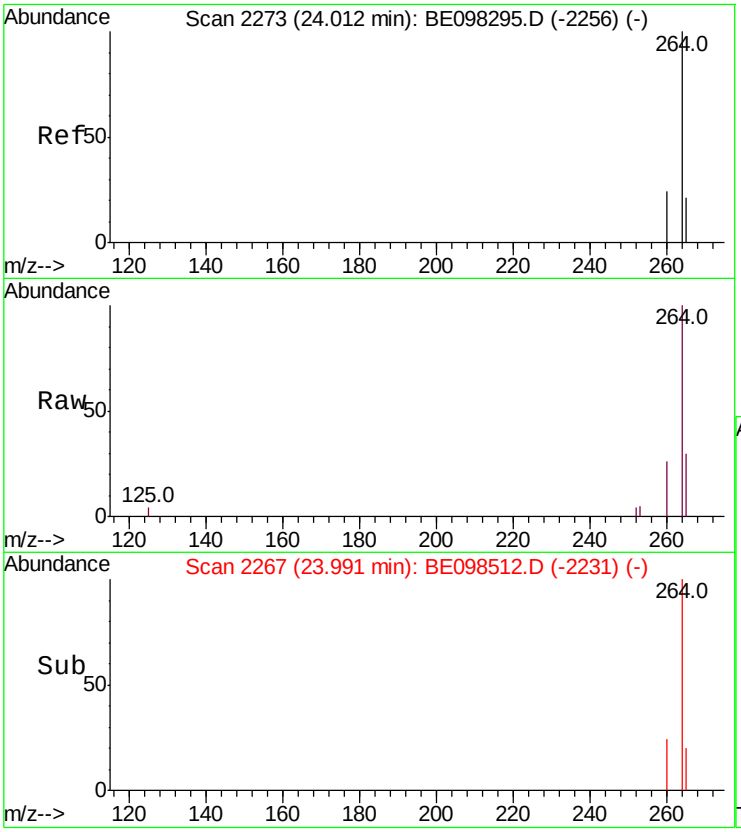


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.001 ng
RT: 26.68 min Scan# 3018
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:276 Resp: 11

Ion	Ratio	Lower	Upper
276	100		
138	509.1	16.3	24.5#
277	136.4	20.2	30.4#



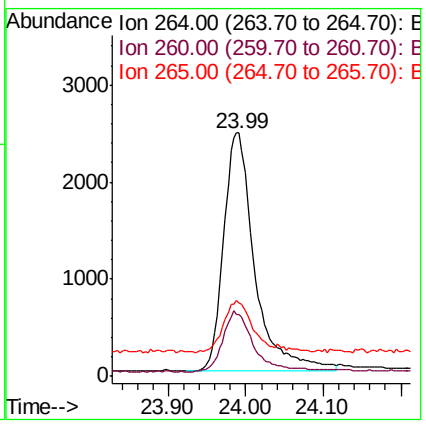


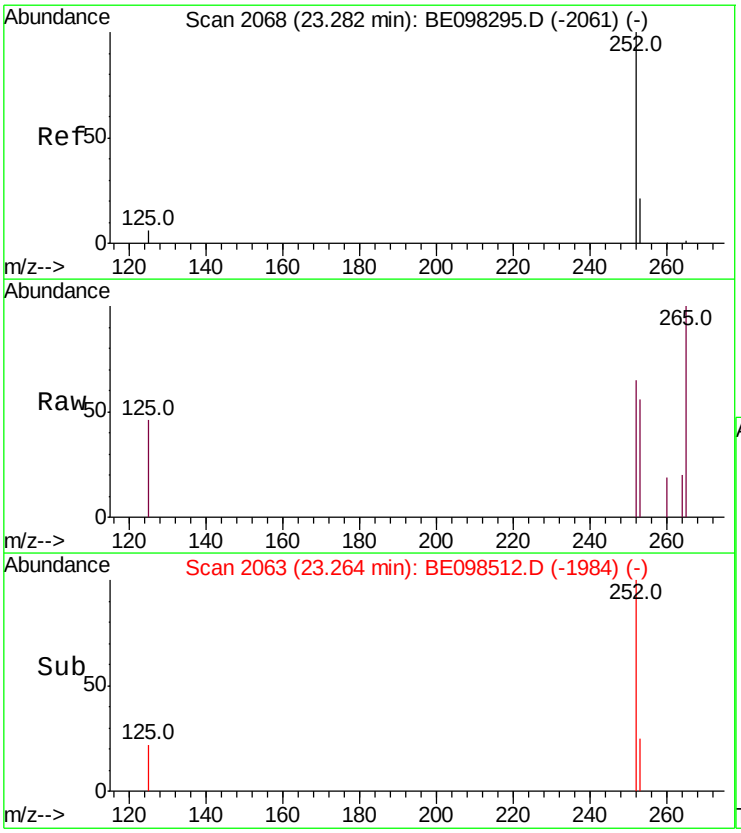
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.99 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:264 Resp: 6861

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.2	30.2
265	30.1	25.2	37.8

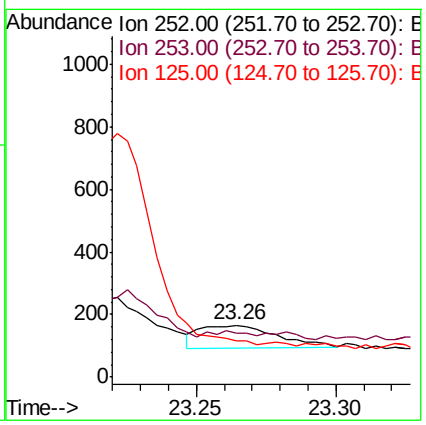


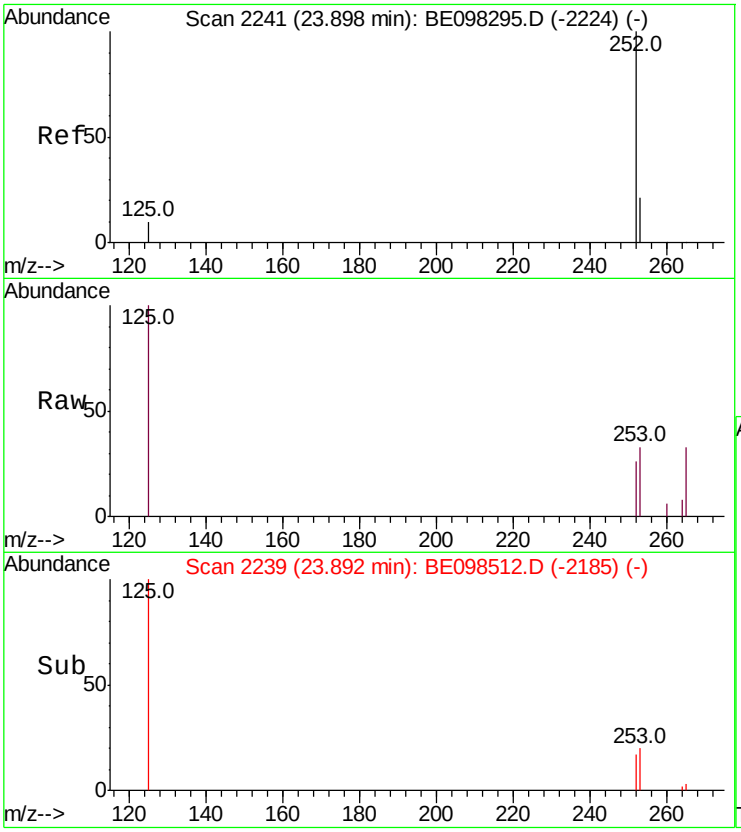


#36
Benzo(k)fluoranthene
Concen: 0.007 ng
RT: 23.26 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:252 Resp: 143

Ion	Ratio	Lower	Upper
252	100		
253	84.9	19.0	28.6#
125	71.1	9.1	13.7#



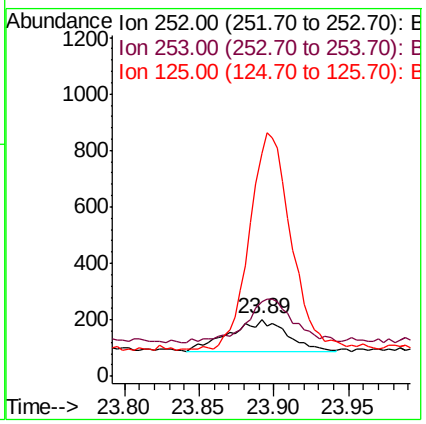


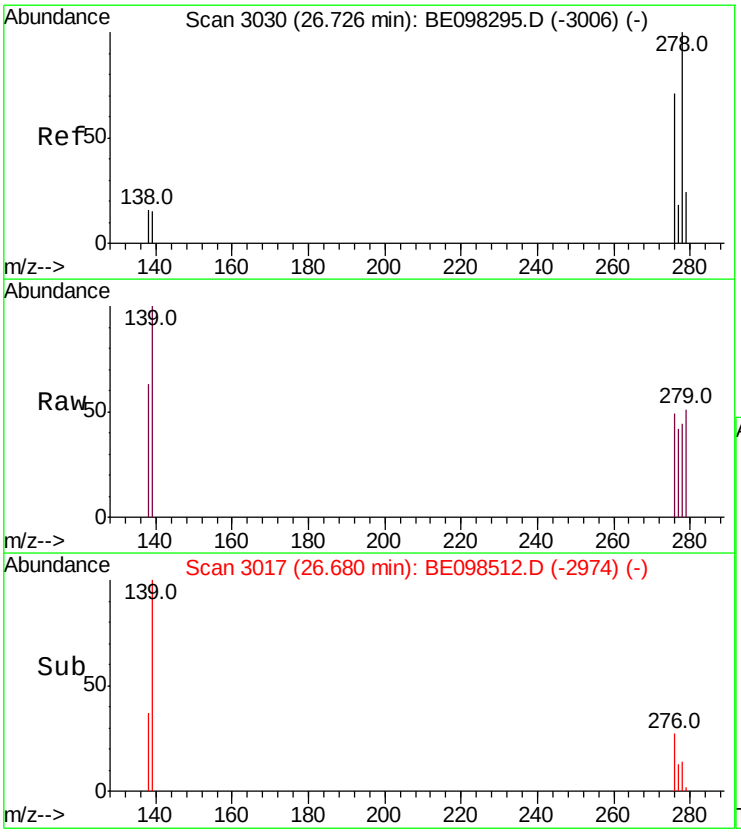
#37
Benzo(a)pyrene
Concen: 0.016 ng
RT: 23.89 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:252 Resp: 311

Ion	Ratio	Lower	Upper
252	100		
253	129.1	20.6	30.8#
125	388.2	10.5	15.7#

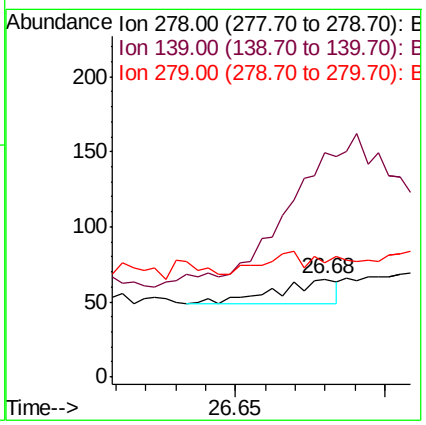


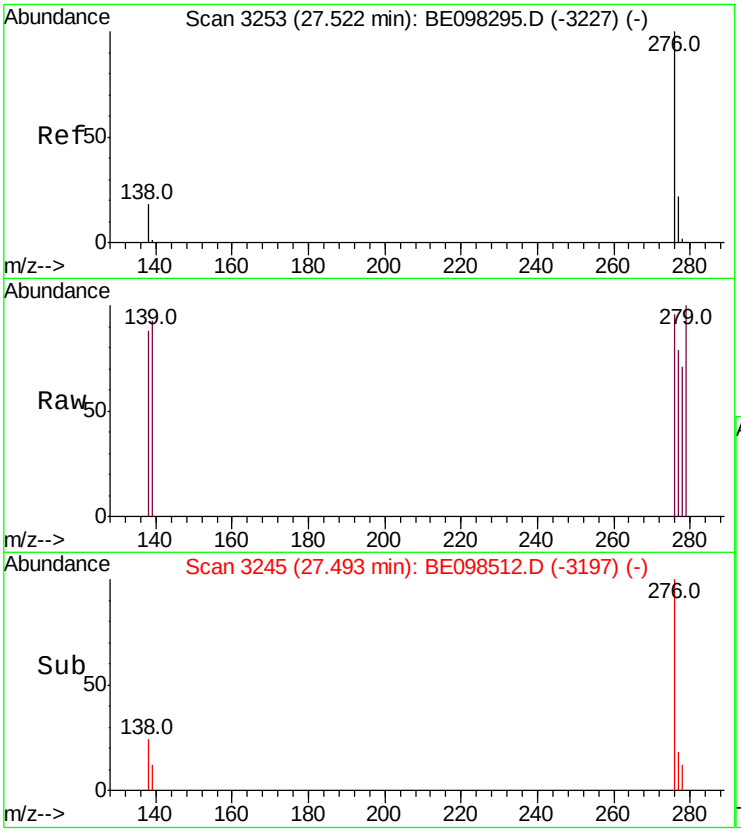


#38
Dibenzo(a,h)anthracene
Concen: 0.001 ng
RT: 26.68 min Scan# 3017
Delta R.T. -0.05 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Tgt Ion:278 Resp: 22

Ion	Ratio	Lower	Upper
278	100		
139	229.2	14.5	21.7#
279	116.9	21.8	32.8#





#39
Benzo(g,h,i)perylene
Concen: 0.000 ng
RT: 27.49 min Scan# 3245
Delta R.T. -0.03 min
Lab File: BE098512.D
Acq: 18 Dec 2018 12:40

Instrument :
BNA_E
ClientSampleId :
RE105D1-20181210MSD

Tgt Ion:276 Resp: 9

Ion	Ratio	Lower	Upper
276	100		
277	82.6	20.8	31.2#
138	91.3	15.8	23.6#