Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100276.D
Acq On : 1 Jul 2019 21:30
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jul 02 02:07:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	1469	0.40	ng		0.00
7) Naphthalene-d8	10.43	136	7313	0.40	ng		-0.01
13) Acenaphthene-d10	14.31	164	5920	0.40	ng		0.00
19) Phenanthrene-d10	17.05	188	16222	0.40	ng		0.00
27) Chrysene-d12	21.25	240	19905	0.40	ng		0.00
34) Perylene-d12	23.67	264	23458	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.22	112	1399	0.37	ng		0.00
5) Phenol-d6	6.83	99	2594	0.53	ng		0.00
8) Nitrobenzene-d5	8.80	82	3100	0.43	ng		-0.03
11) 2-Methylnaphthalene-d10	12.04	152	6011	0.44	ng		-0.01
14) 2,4,6-Tribromophenol	15.81	330	1827	0.44	ng		-0.01
15) 2-Fluorobiphenyl	12.93	172	9532	0.41	ng		-0.01
25) Fluoranthene-d10	19.10	212	92643	0.39	ng		0.00
29) Terphenyl-d14	19.70	244	20083	0.49	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.11	88	589	0.258	ng		96
3) n-Nitrosodimethylamine	3.44	42	578	0.544	ng	#	82
6) bis(2-Chloroethyl)ether	7.07	93	2412	0.596	ng	#	72
9) Naphthalene	10.49	128	32730	0.406	ng	#	97
10) Hexachlorobutadiene	10.76	225	3161	0.407	ng		97
12) 2-Methylnaphthalene	12.11	142	5876	0.415	ng		97
16) Acenaphthylene	14.04	152	11839	0.417	ng		98
17) Acenaphthene	14.39	154	6604	0.410	ng		98
18) Fluorene	15.35	166	9578	0.402	ng		99
20) 4-Bromophenyl-phenylether	16.25	248	4550	0.439	ng	#	84
21) Hexachlorobenzene	16.37	284	4534	0.422	ng		96
22) Pentachlorophenol	16.72	266	1646	0.509	ng		93
23) Phenanthrene	17.09	178	16634	0.423	ng		100
24) Anthracene	17.19	178	15744	0.445	ng		100
26) Fluoranthene	19.13	202	24498	0.391	ng		100
28) Pyrene	19.49	202	25434	0.483	ng		100
30) Benzo(a)anthracene	21.23	228	29095	0.445	ng		97
31) Chrysene	21.28	228	28644	0.436	ng		99
32) Bis(2-ethylhexyl)phthalate	21.15	149	44375	0.422	ng		100
33) Indeno(1,2,3-cd)pyrene	26.23	276	34808	0.400	ng		99
35) Benzo(b)fluoranthene	22.93	252	27273	0.429	ng		99
36) Benzo(k)fluoranthene	22.97	252	28528	0.402	ng		99
37) Benzo(a)pyrene	23.56	252	26610	0.417	ng		99
38) Dibenzo(a,h)anthracene	26.25	278	28205	0.424	ng		98
39) Benzo(g,h,i)perylene	27.02	276	28655	0.419	ng		98

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

Quantitation Report (QT Reviewed)

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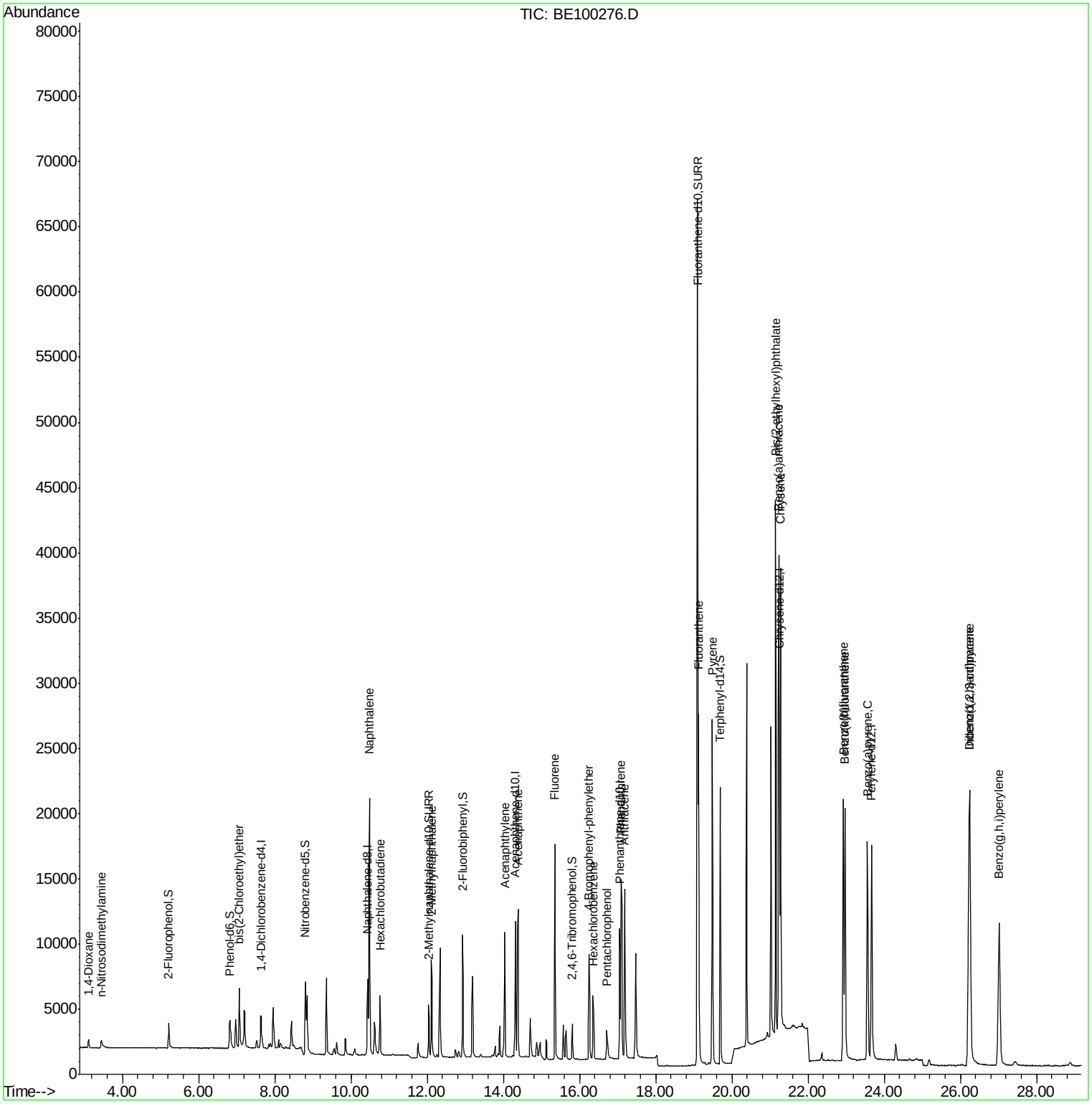
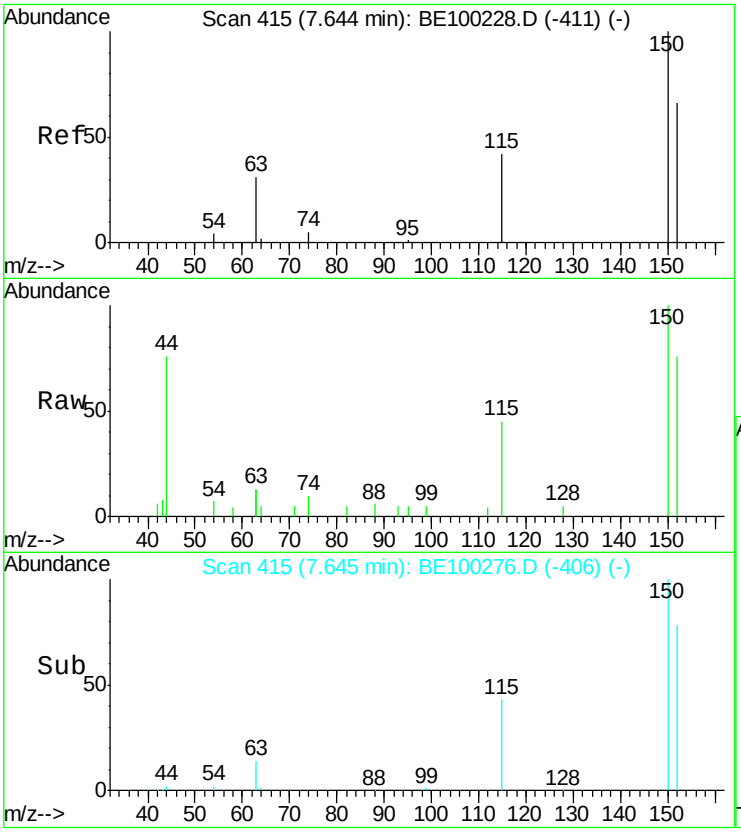
Data File : BE100276.D
Acq On : 1 Jul 2019 21:30
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jul 02 02:07:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration



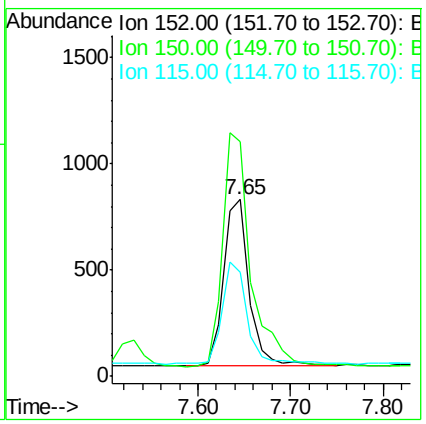


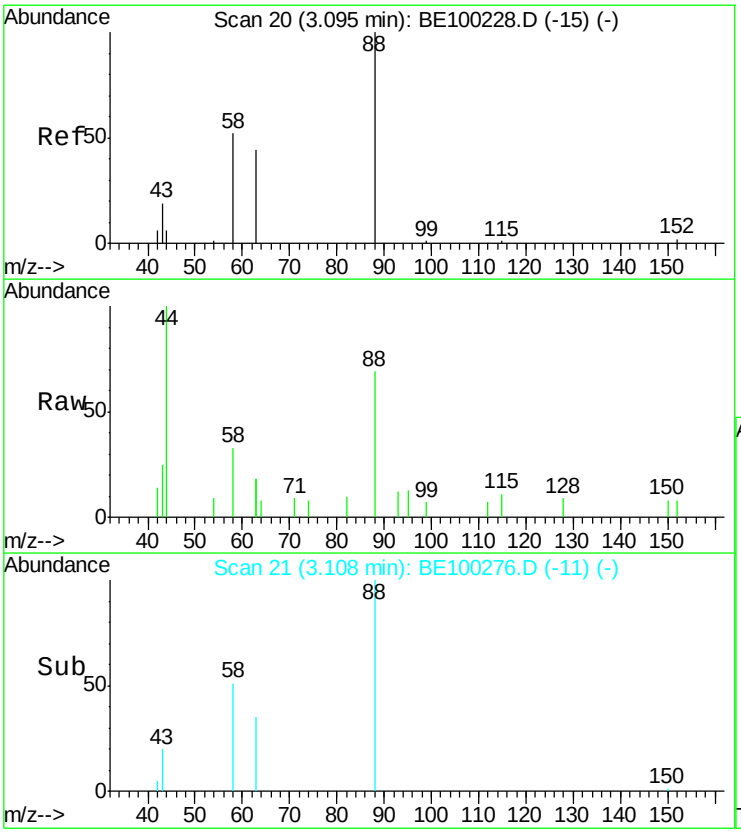
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.65 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1469

Ion	Ratio	Lower	Upper
152	100		
150	132.4	114.5	171.7
115	59.2	57.1	85.7

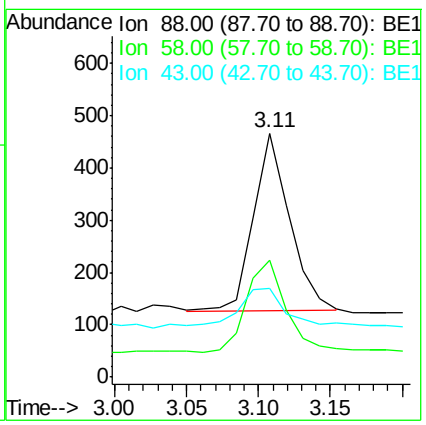


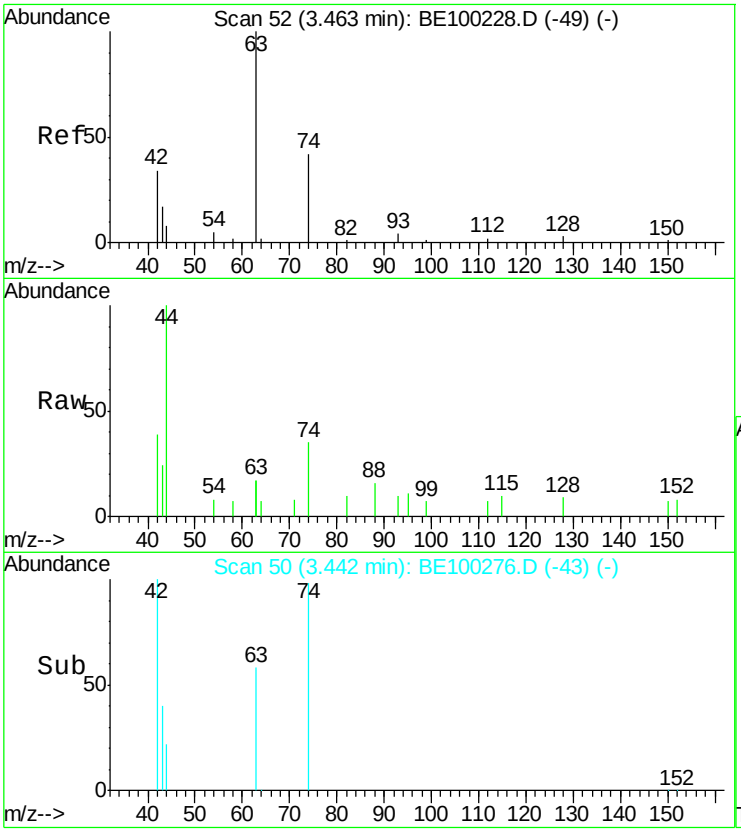


#2
1,4-Dioxane
Concen: 0.258 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion: 88 Resp: 589

Ion	Ratio	Lower	Upper
88	100		
58	56.4	43.6	65.4
43	29.5	21.4	32.0

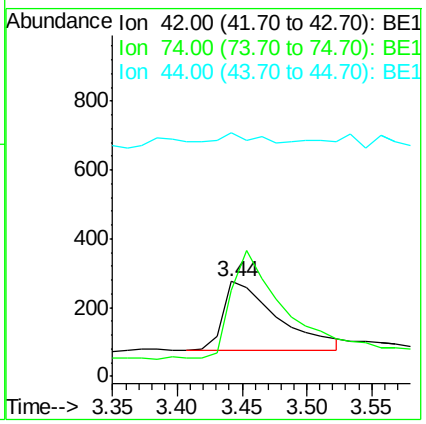




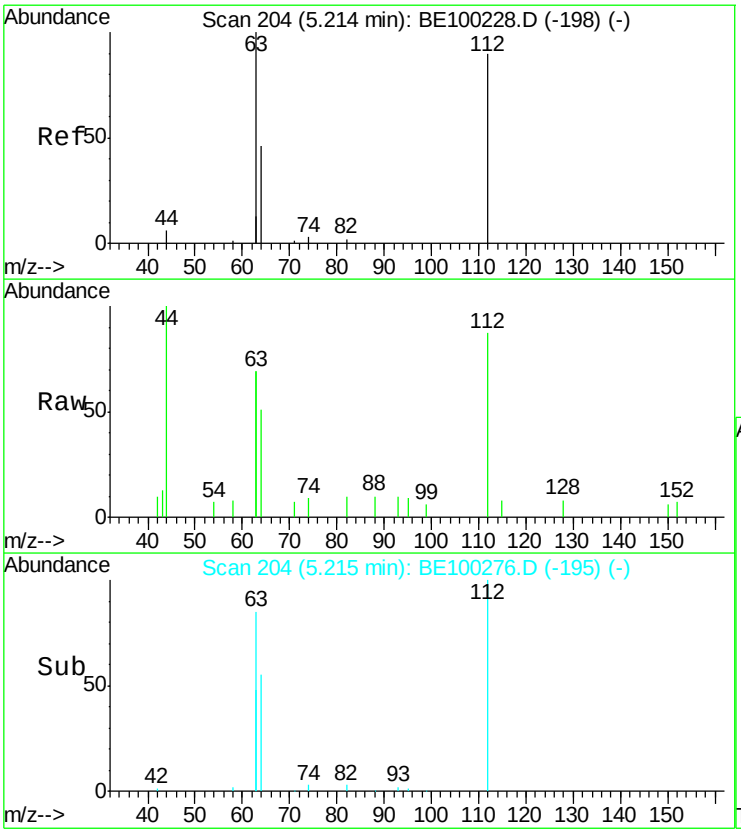
#3
n-Nitrosodimethylamine
Concen: 0.544 ng
RT: 3.44 min Scan# 50
Delta R.T. -0.02 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion: 42 Resp: 578

Ion	Ratio	Lower	Upper
42	100		
74	156.4	130.6	196.0
44	6.4	38.0	57.0#



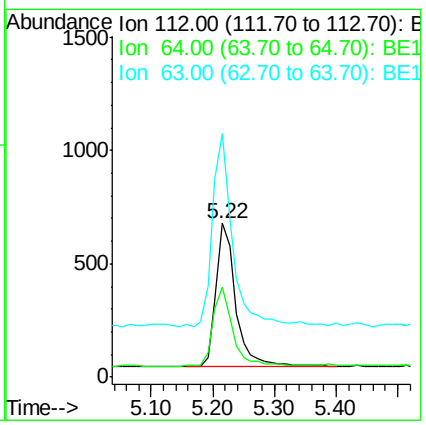
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

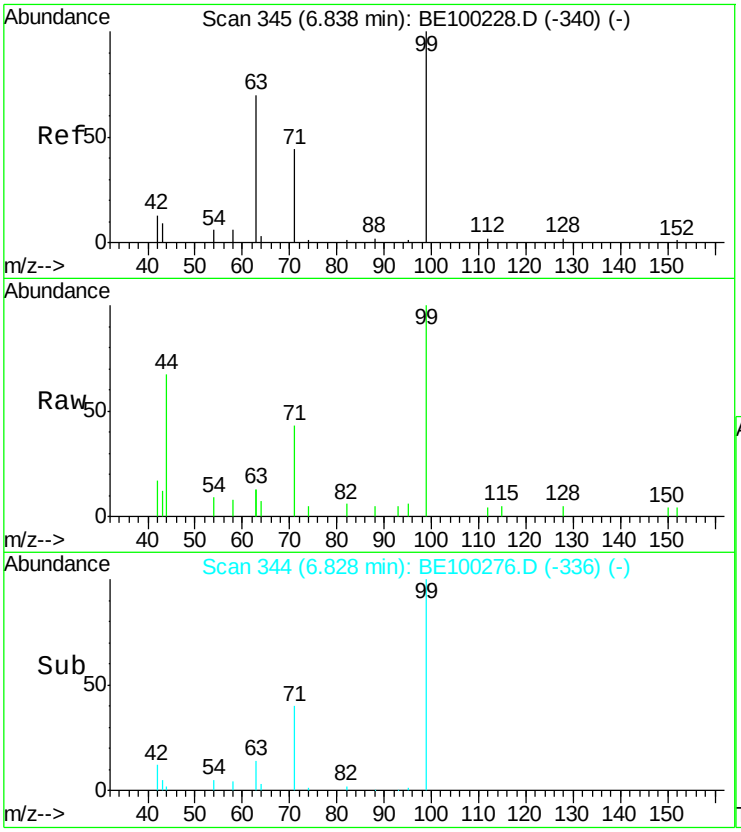


#4
2-Fluorophenol
Concen: 0.373 ng
RT: 5.22 min Scan# 204
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:112 Resp: 1399

Ion	Ratio	Lower	Upper
112	100		
64	53.0	39.4	59.0
63	136.6	104.5	156.7



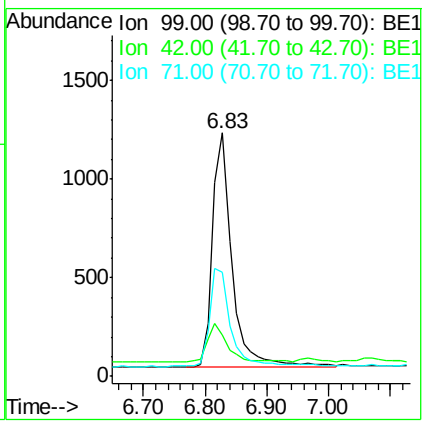


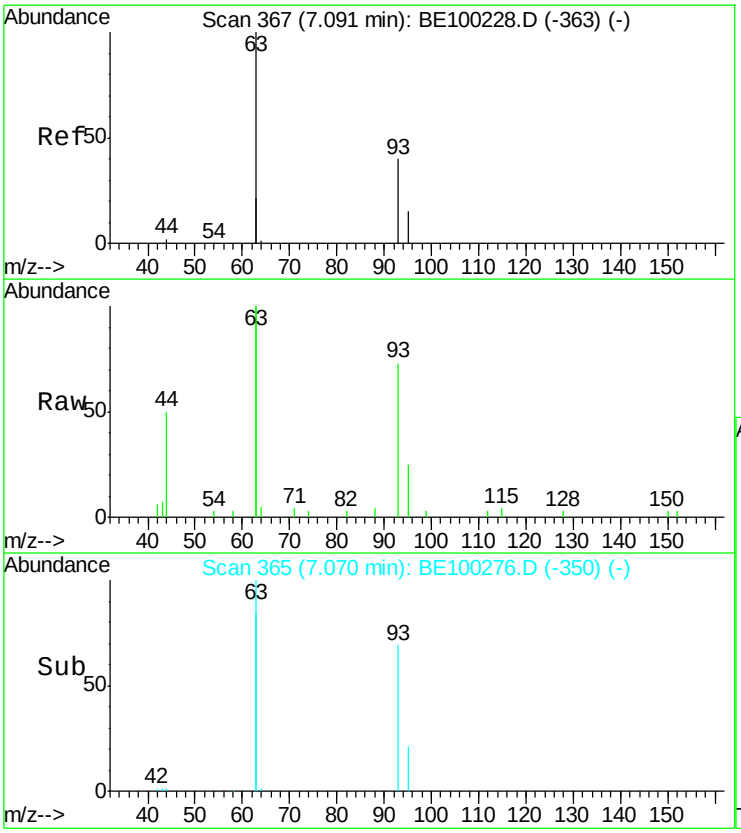
#5
Phenol-d6
Concen: 0.526 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2594

Ion	Ratio	Lower	Upper
99	100		
42	16.5	11.2	16.8
71	43.3	37.2	55.8

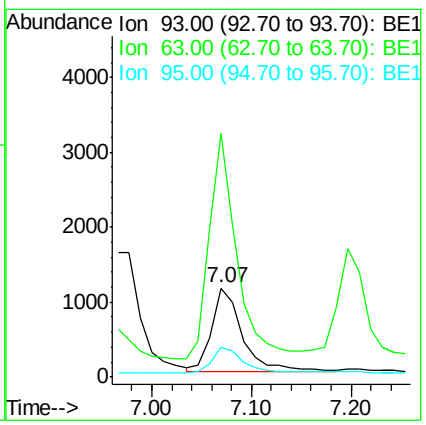


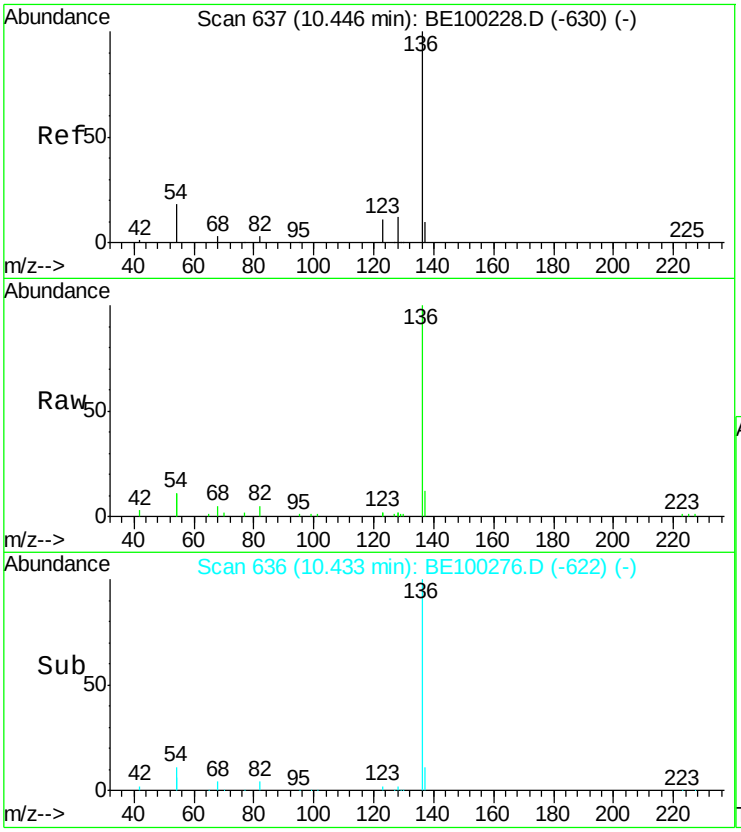


#6
bis(2-Chloroethyl)ether
Concen: 0.596 ng
RT: 7.07 min Scan# 365
Delta R.T. -0.02 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion: 93 Resp: 2412

Ion	Ratio	Lower	Upper
93	100		
63	241.6	155.6	233.4#
95	30.2	23.0	34.4



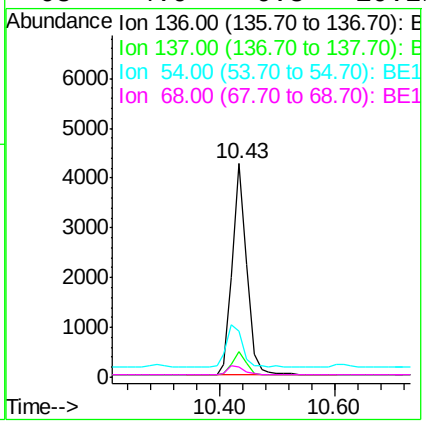


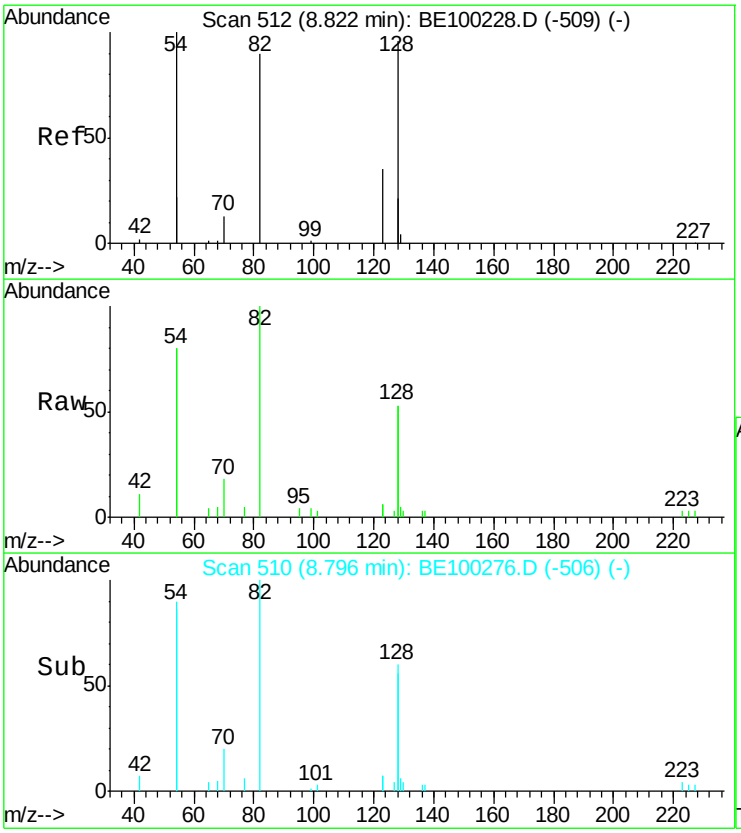
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.43 min Scan# 636
Delta R.T. -0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 7313

Ion	Ratio	Lower	Upper
136	100		
137	12.1	11.8	17.8
54	21.3	27.7	41.5#
68	4.9	6.8	10.2#

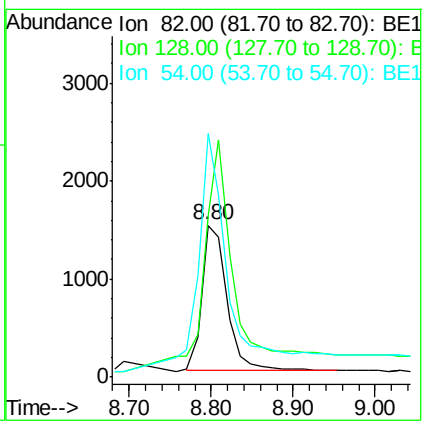


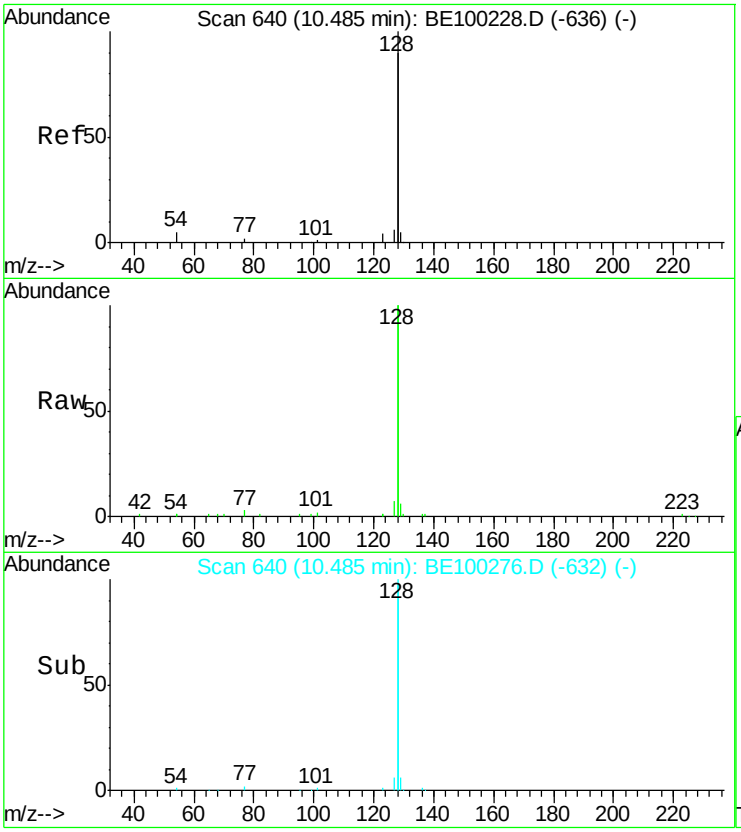


#8
Nitrobenzene-d5
Concen: 0.427 ng
RT: 8.80 min Scan# 510
Delta R.T. -0.03 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion: 82 Resp: 3100

Ion	Ratio	Lower	Upper
82	100		
128	106.8	140.9	211.3#
54	160.6	146.2	219.2



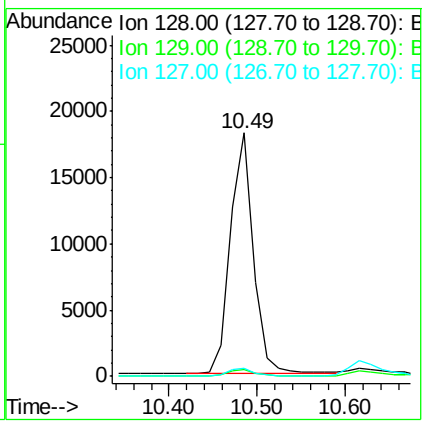


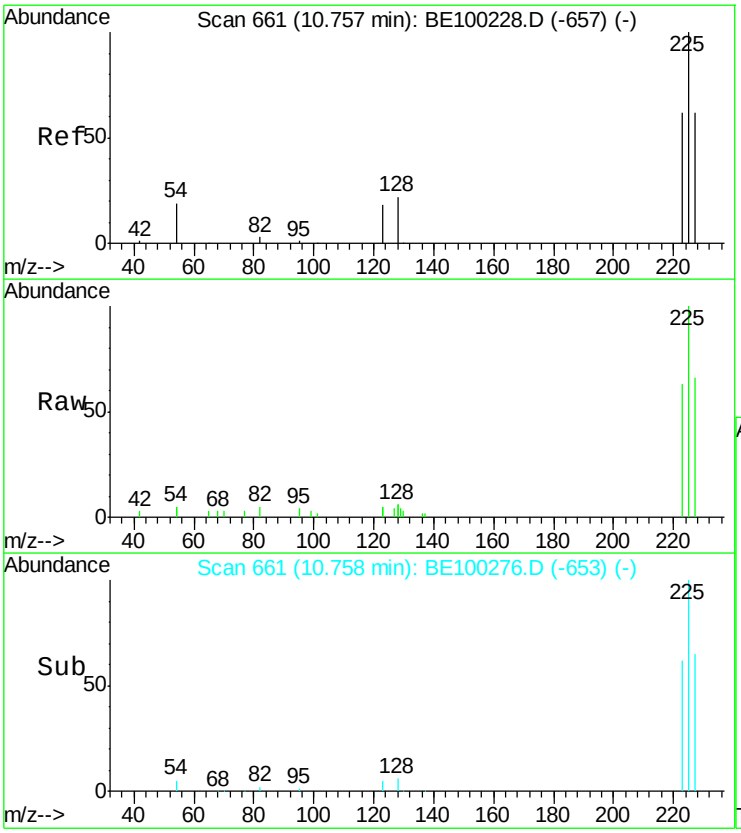
#9
Naphthalene
Concen: 0.406 ng
RT: 10.49 min Scan# 640
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 32730

Ion	Ratio	Lower	Upper
128	100		
129	3.0	3.0	4.6
127	3.4	3.5	5.3#

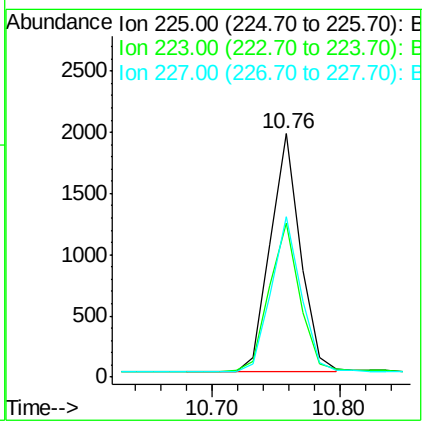


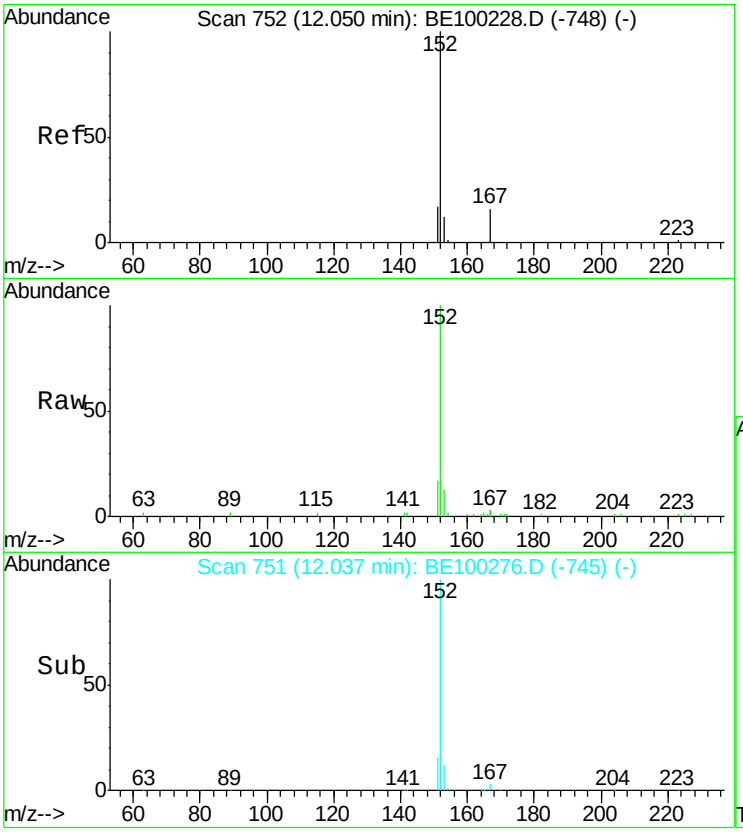


#10
Hexachlorobutadiene
Concen: 0.407 ng
RT: 10.76 min Scan# 661
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:225 Resp: 3161

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.1	73.7
227	64.7	49.3	73.9



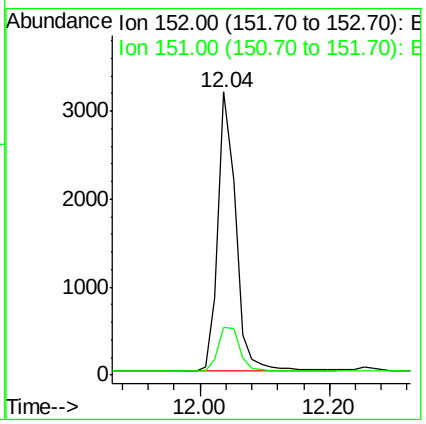


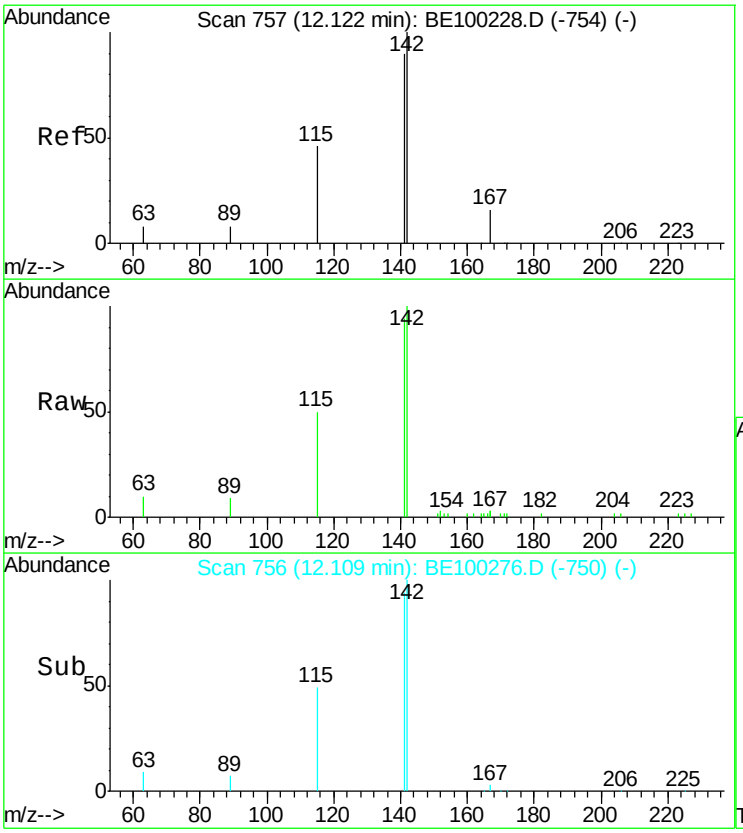
#11
2-Methylnaphthalene-d10
Concen: 0.437 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 6011

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.1	22.7

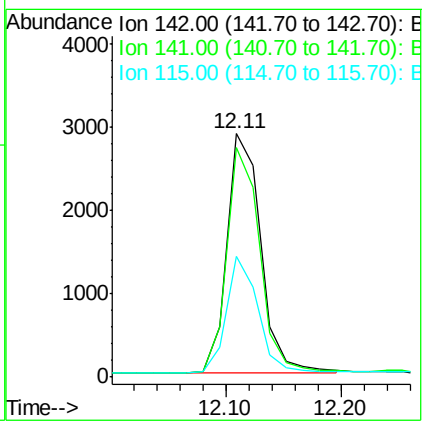


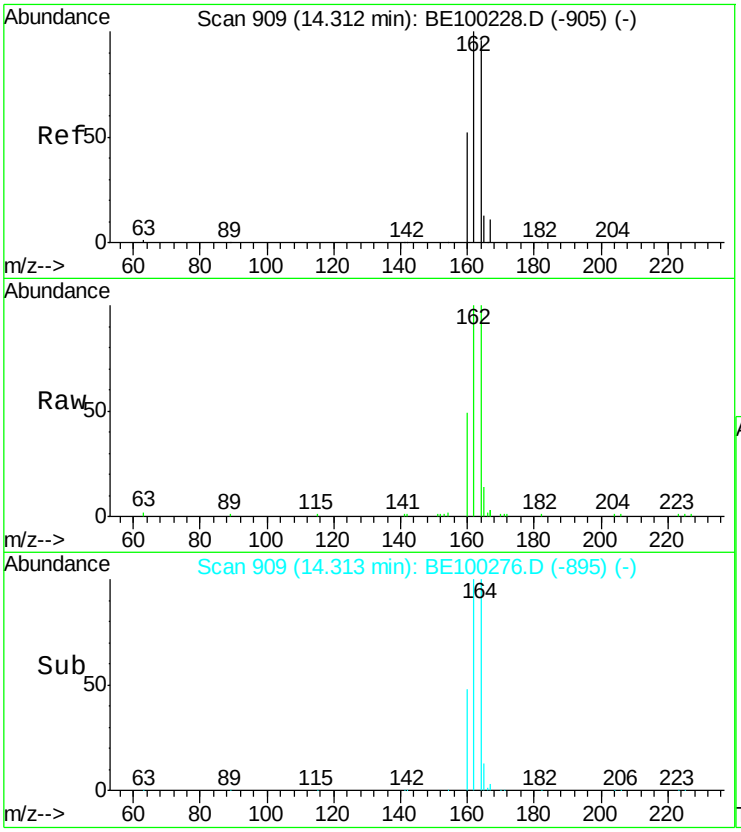


#12
2-Methylnaphthalene
Concen: 0.415 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:142 Resp: 5876

Ion	Ratio	Lower	Upper
142	100		
141	94.4	72.4	108.6
115	49.6	40.4	60.6



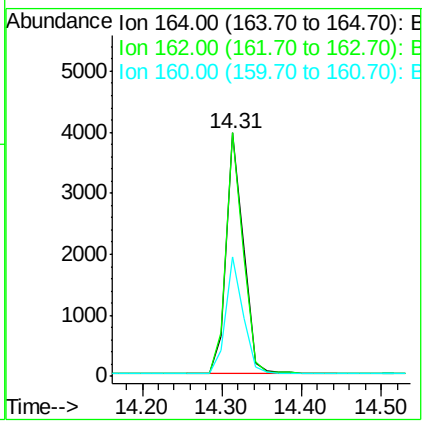


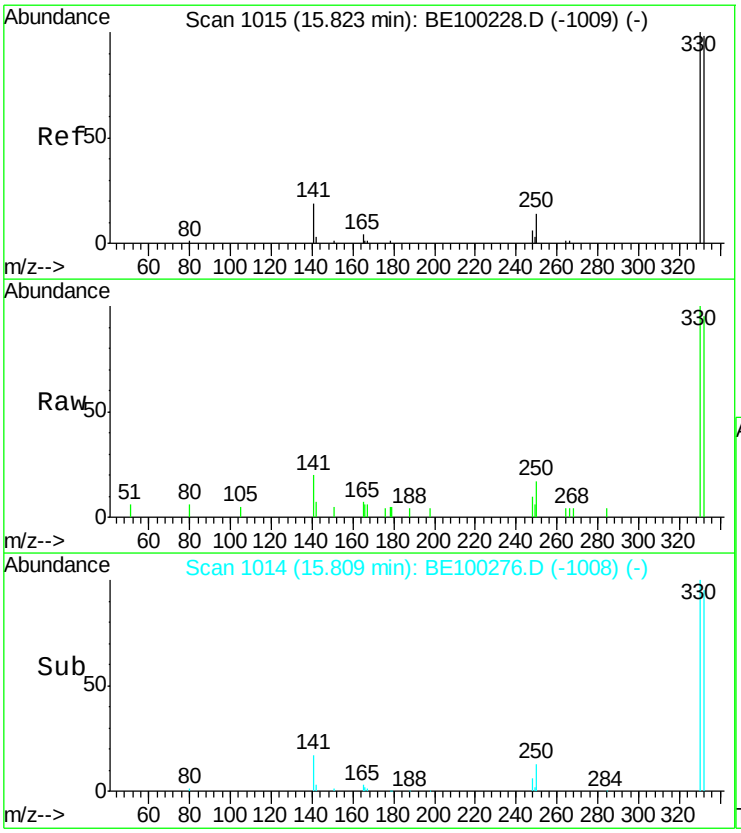
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 5920

Ion	Ratio	Lower	Upper
164	100		
162	99.8	83.4	125.0
160	49.0	45.0	67.6

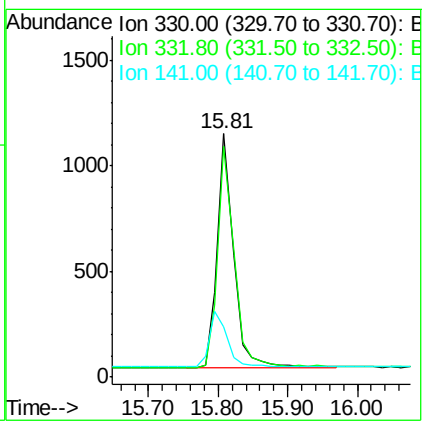


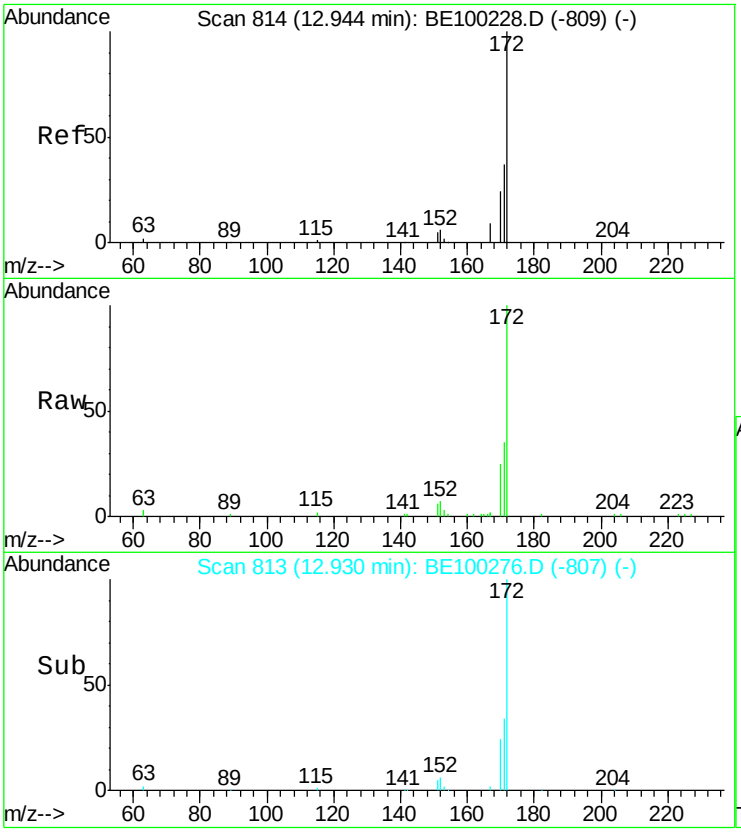


#14
2,4,6-Tribromophenol
Concen: 0.441 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:330 Resp: 1827

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.4
141	25.0	22.0	33.0



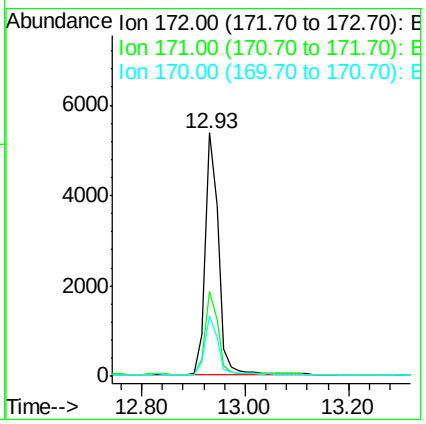


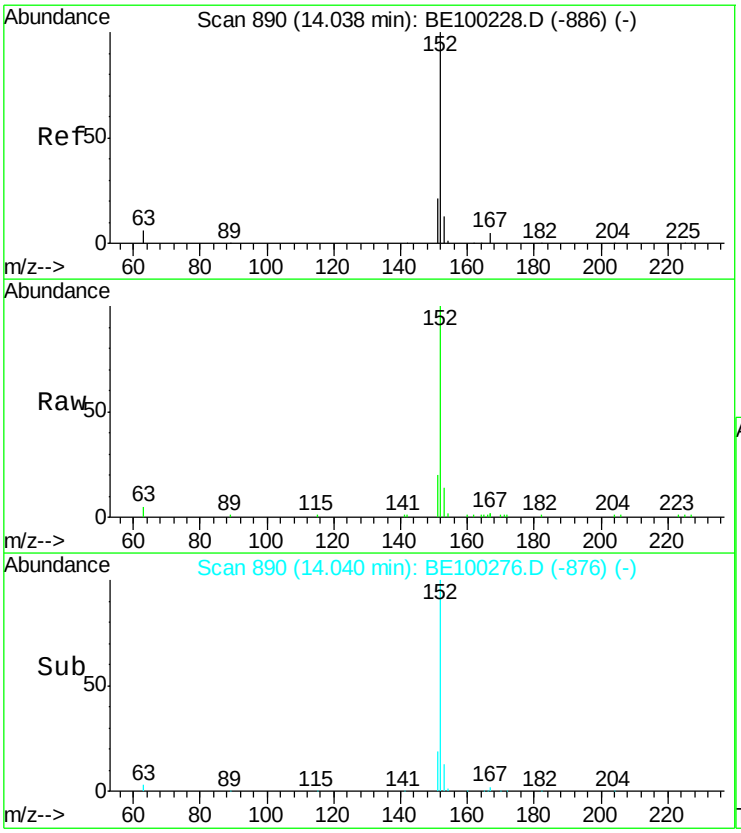
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 9532

Ion	Ratio	Lower	Upper
172	100		
171	34.9	31.9	47.9
170	25.1	22.2	33.2

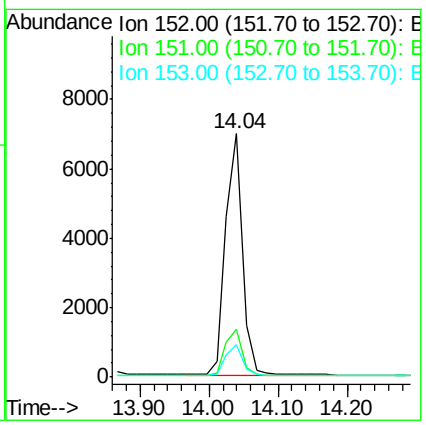


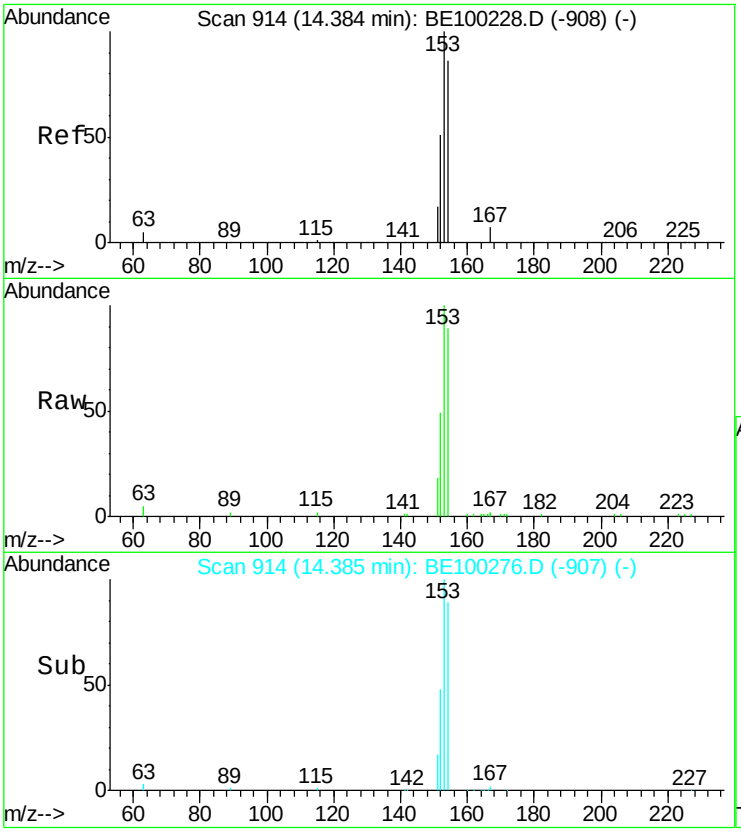


#16
Acenaphthylene
Concen: 0.417 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:152 Resp: 11839

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.6	25.0
153	12.7	10.5	15.7



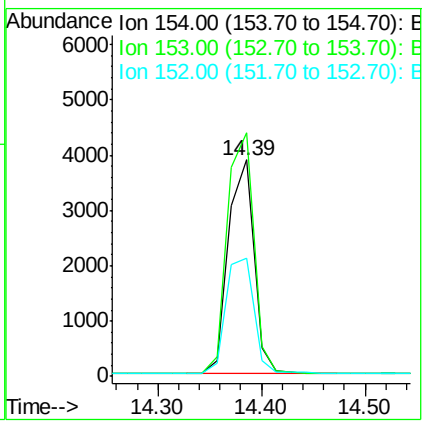


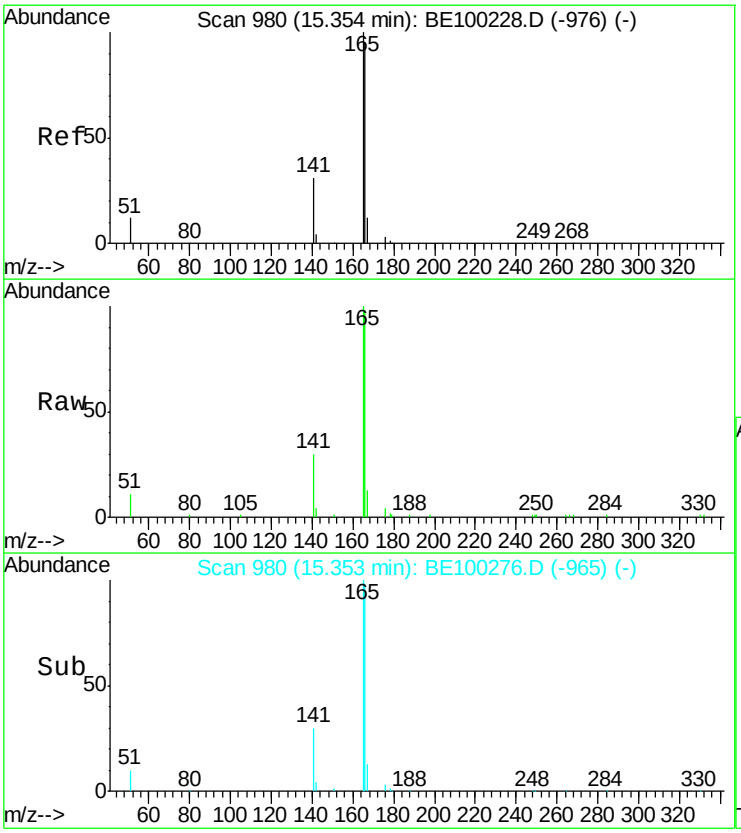
#17
Acenaphthene
Concen: 0.410 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 6604

Ion	Ratio	Lower	Upper
154	100		
153	117.5	93.4	140.2
152	58.9	49.4	74.2

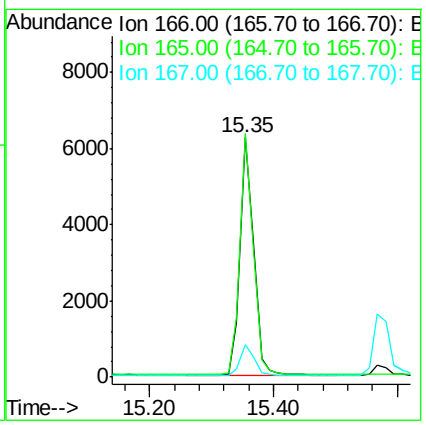


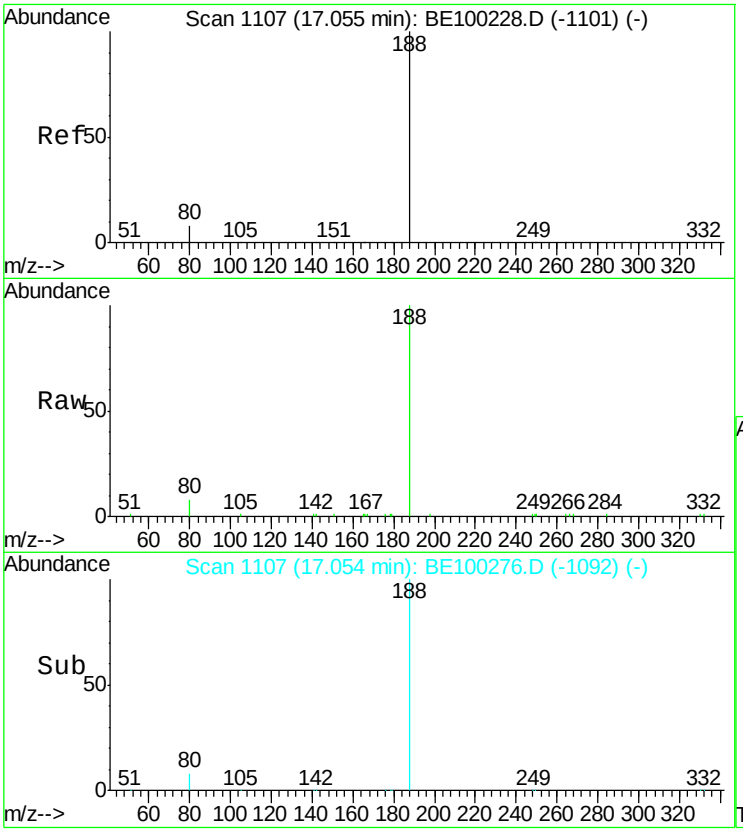


#18
Fluorene
Concen: 0.402 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:166 Resp: 9578

Ion	Ratio	Lower	Upper
166	100		
165	100.2	81.1	121.7
167	12.9	10.7	16.1



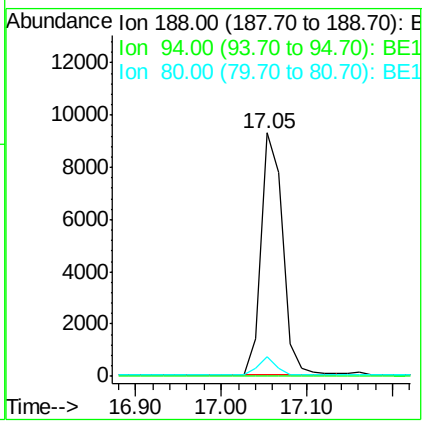


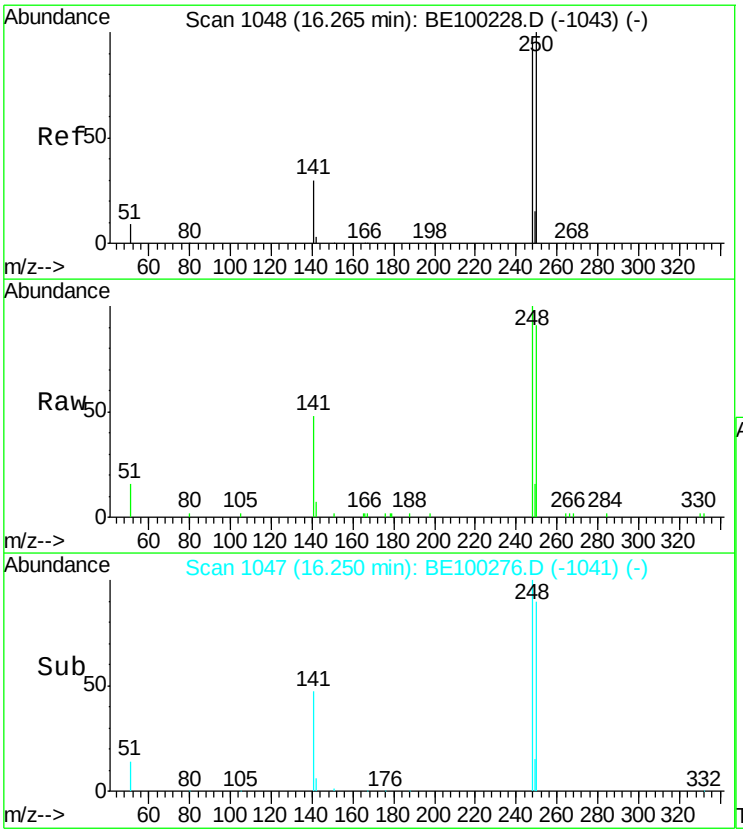
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1107
Delta R.T. -0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 16222

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.0	7.6	11.4

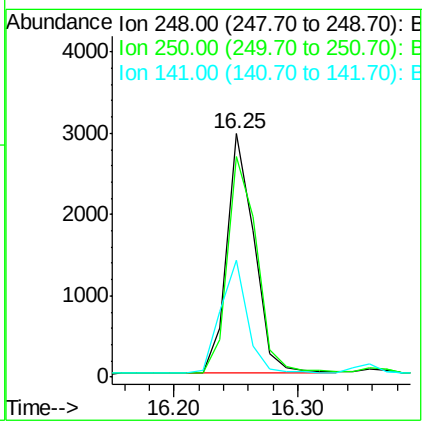


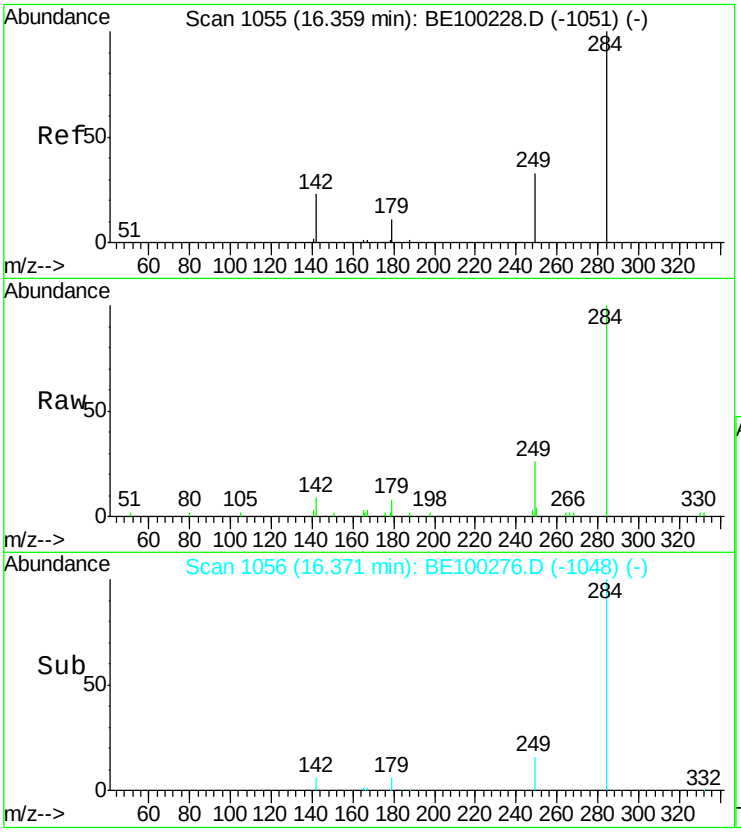


#20
4-Bromophenyl-phenylether
Concen: 0.439 ng
RT: 16.25 min Scan# 1047
Delta R.T. -0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:248 Resp: 4550

Ion	Ratio	Lower	Upper
248	100		
250	90.7	84.2	126.4
141	48.3	29.3	43.9#



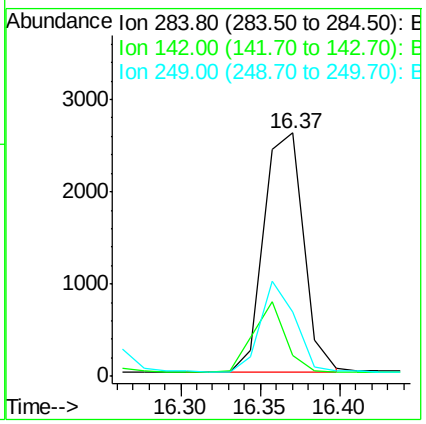


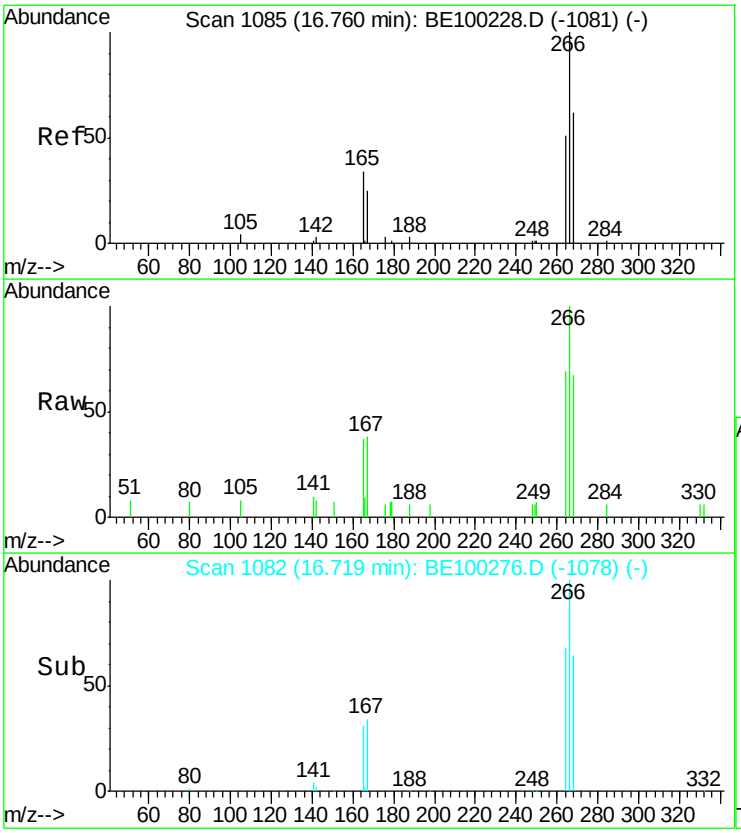
#21
Hexachlorobenzene
Concen: 0.422 ng
RT: 16.37 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 4534

Ion	Ratio	Lower	Upper
284	100		
142	23.8	18.8	28.2
249	32.8	23.7	35.5

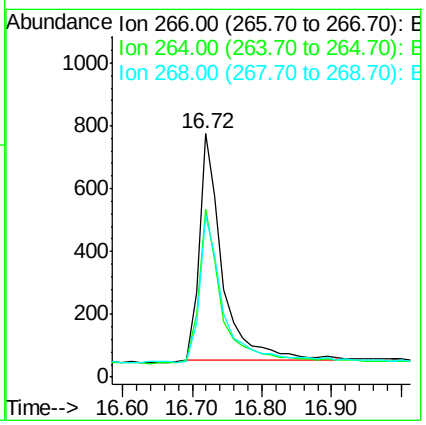


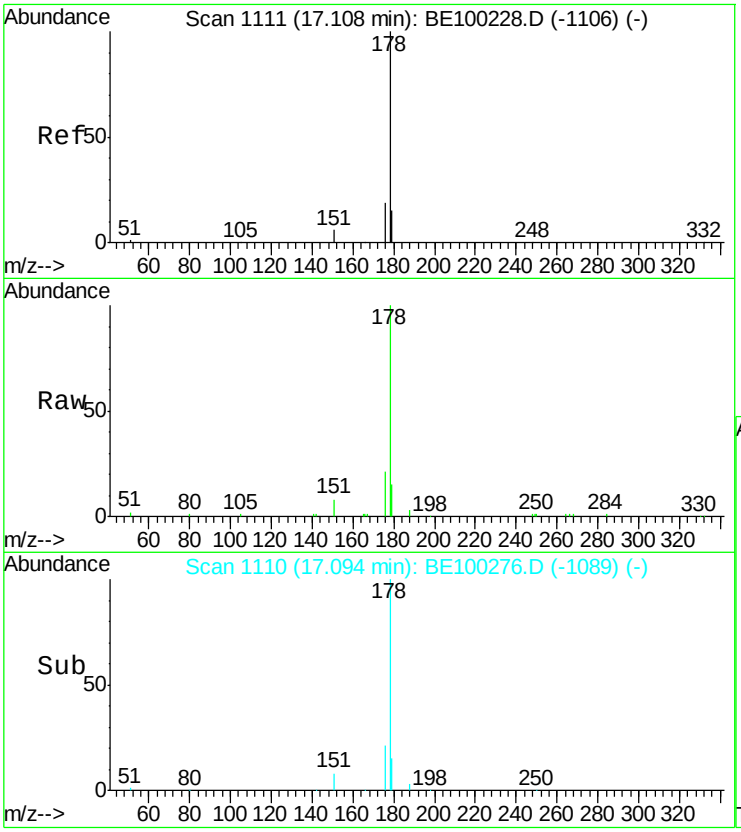


#22
Pentachlorophenol
Concen: 0.509 ng
RT: 16.72 min Scan# 1082
Delta R.T. -0.04 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:266 Resp: 1646

Ion	Ratio	Lower	Upper
266	100		
264	69.3	56.2	84.2
268	66.6	61.8	92.6



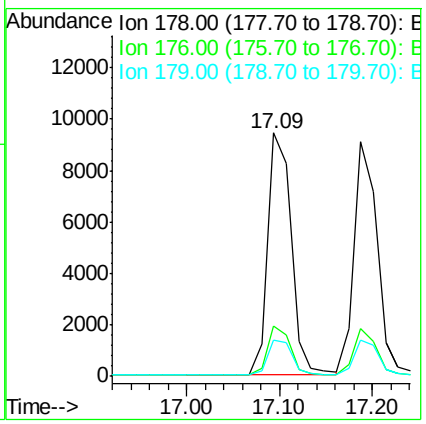


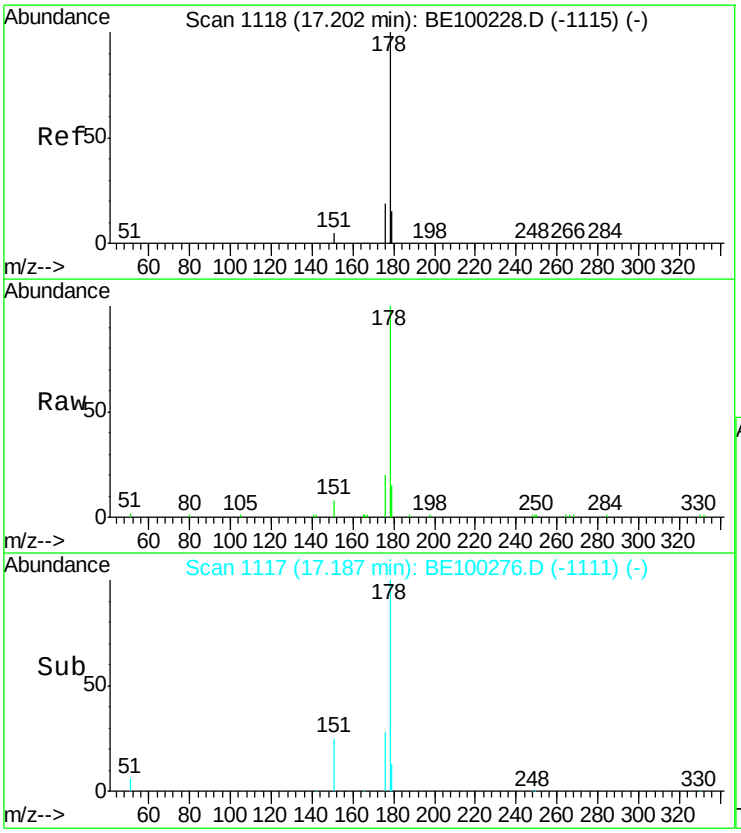
#23
Phenanthrene
Concen: 0.423 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 16634

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.1	12.2	18.2

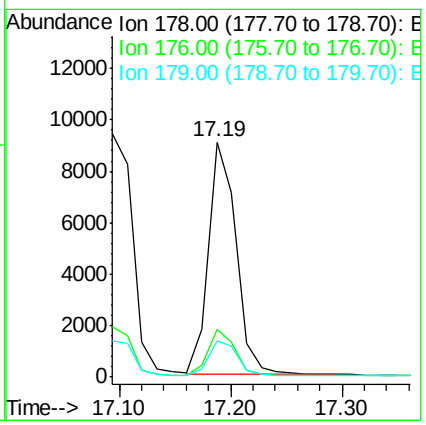


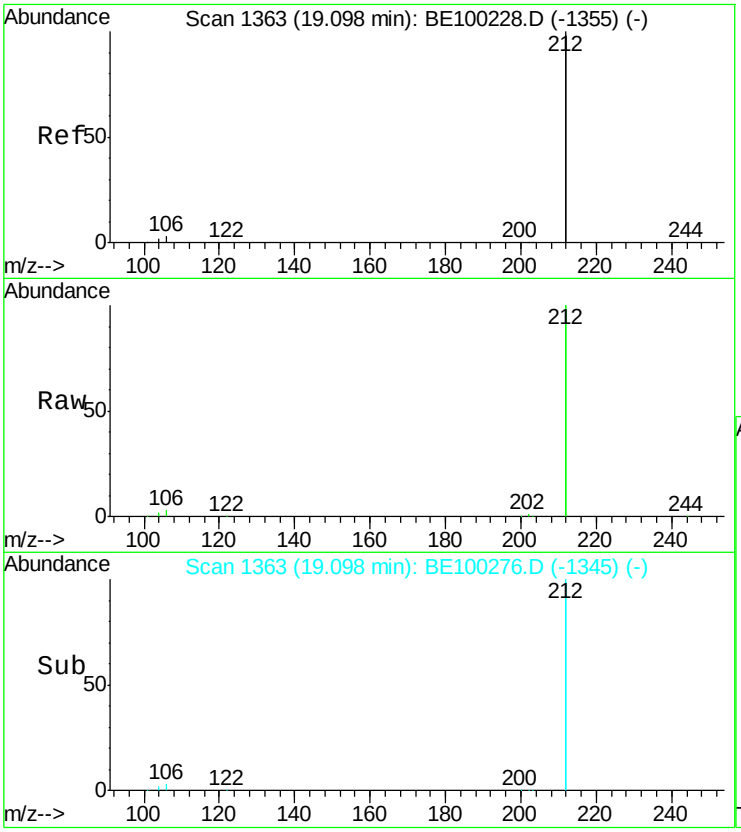


#24
Anthracene
Concen: 0.445 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:178 Resp: 15744

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.4	12.2	18.2



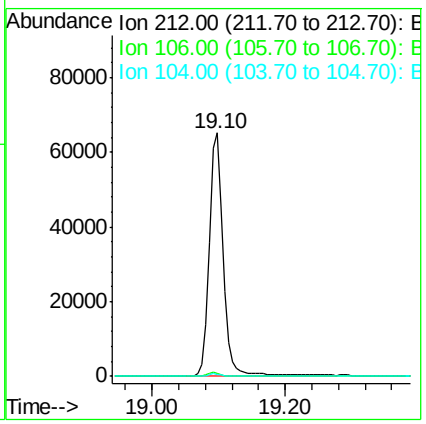


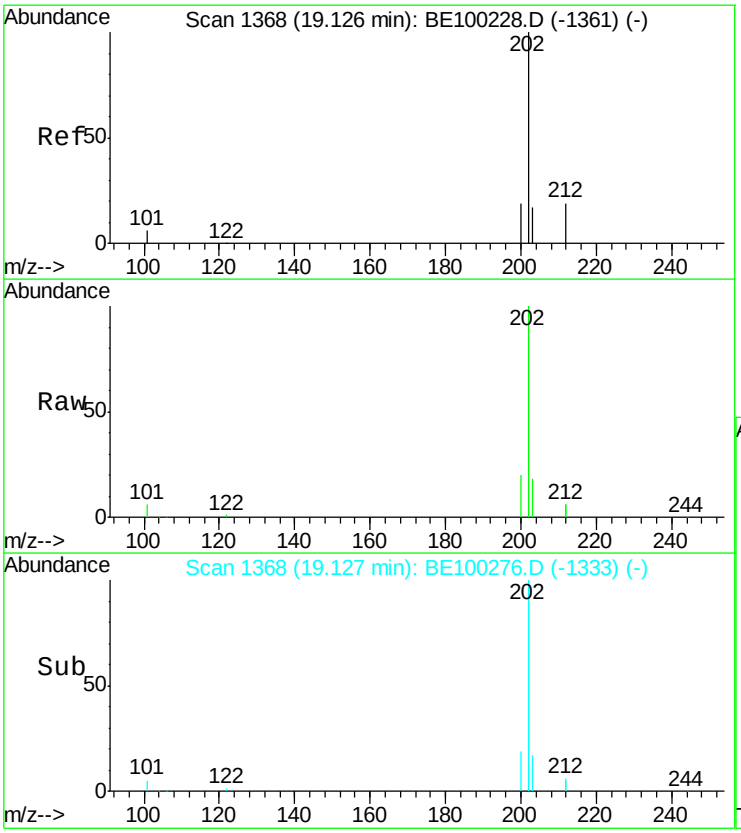
#25
Fluoranthene-d10
Concen: 0.393 ng
RT: 19.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 92643

Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2

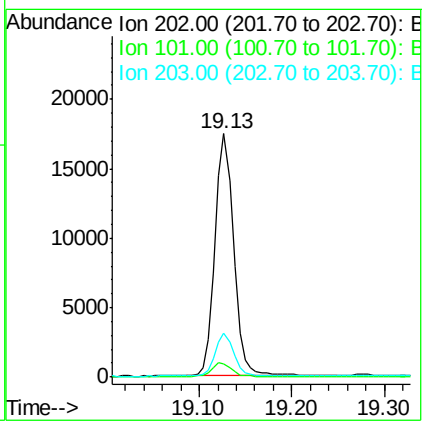


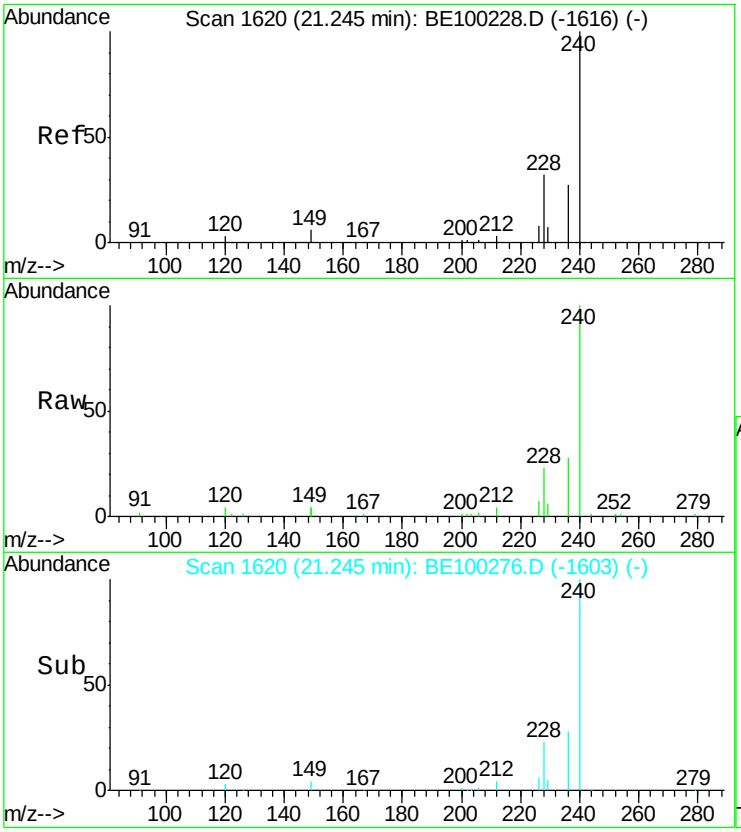


#26
Fluoranthene
Concen: 0.391 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:202 Resp: 24498

Ion	Ratio	Lower	Upper
202	100		
101	5.8	4.6	7.0
203	17.0	13.7	20.5



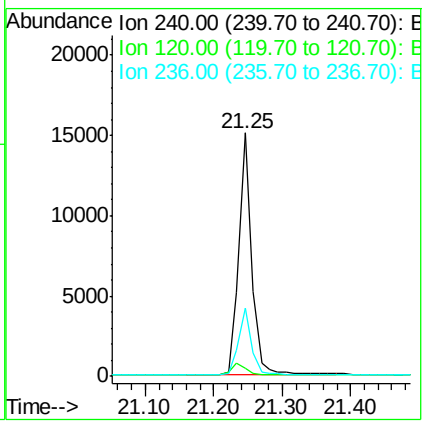


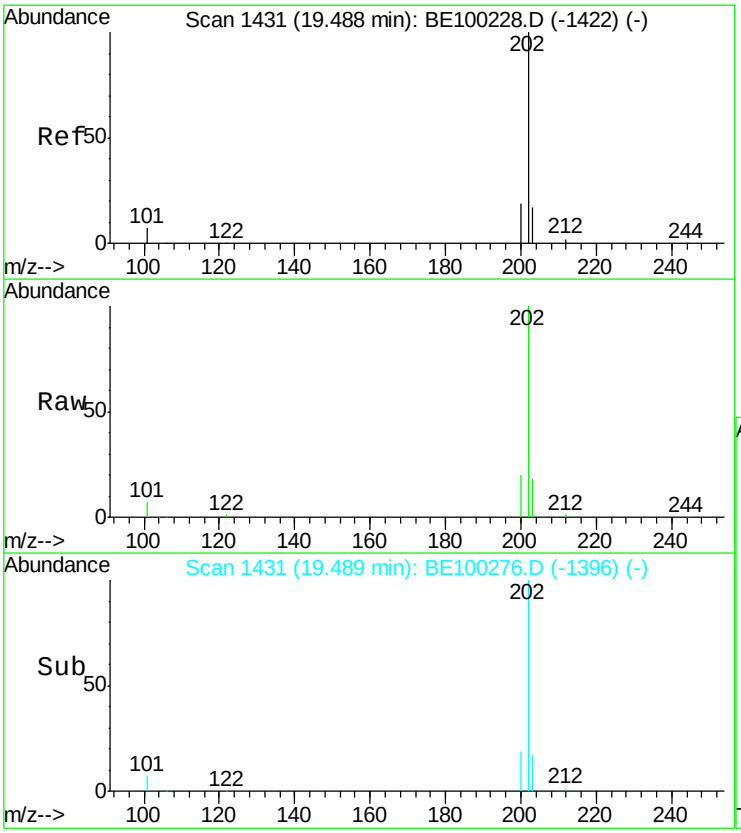
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 19905

Ion	Ratio	Lower	Upper
240	100		
120	3.6	3.3	4.9
236	28.0	22.6	34.0

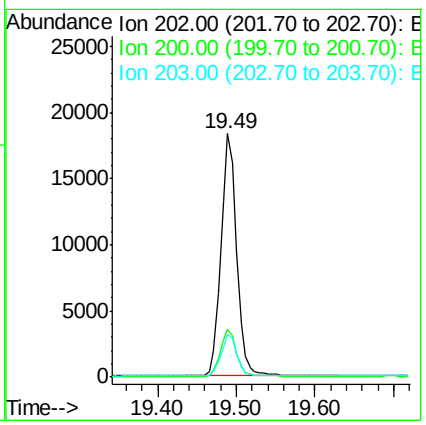


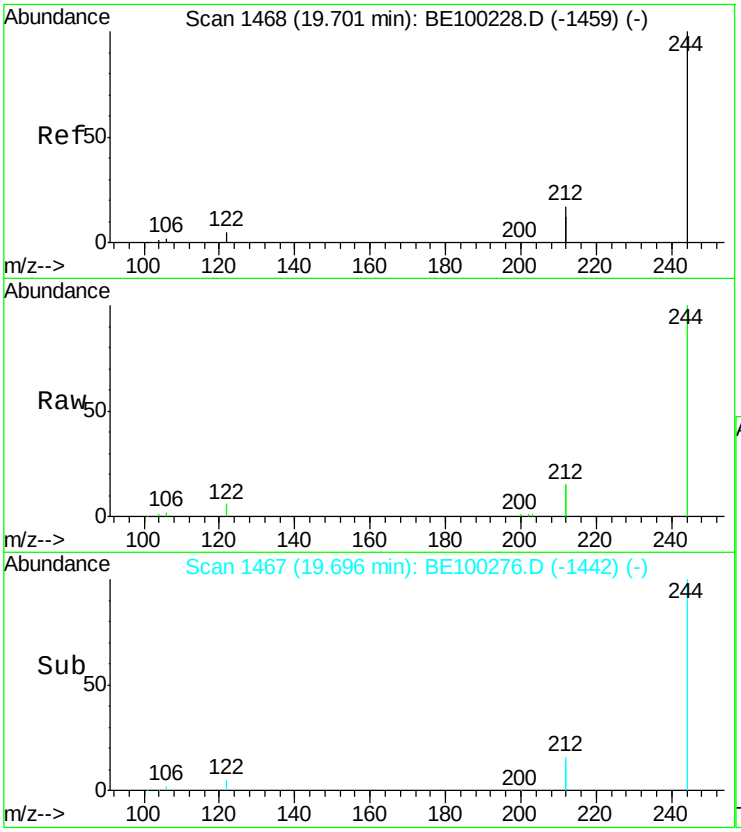


#28
Pyrene
Concen: 0.483 ng
RT: 19.49 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:202 Resp: 25434

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.6	23.4
203	17.6	14.0	21.0



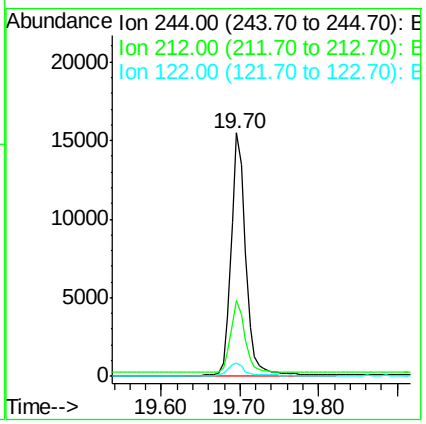


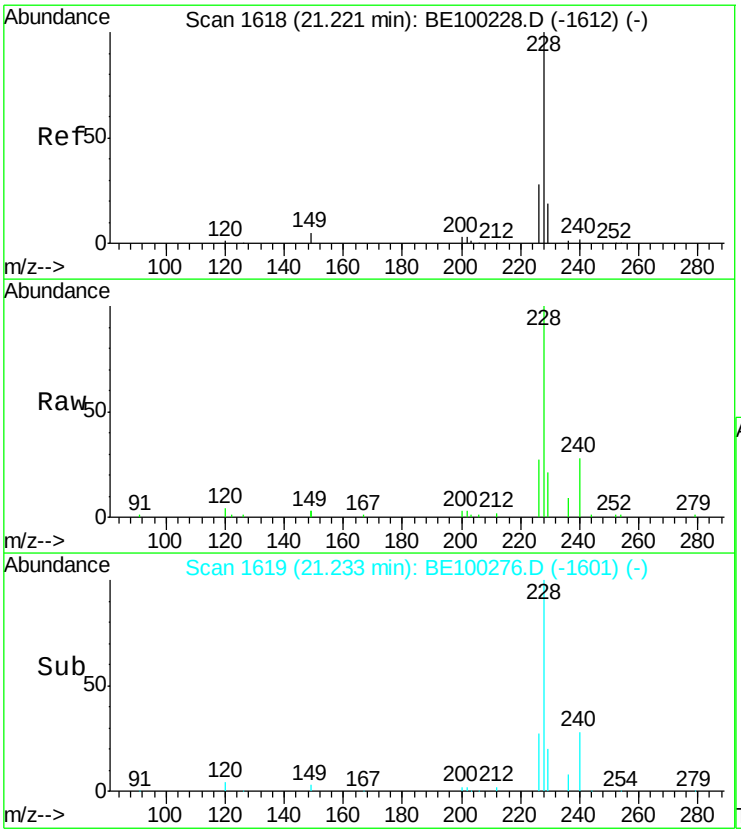
#29
Terphenyl-d14
Concen: 0.487 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 20083

Ion	Ratio	Lower	Upper
244	100		
212	30.9	27.3	40.9
122	5.6	4.7	7.1

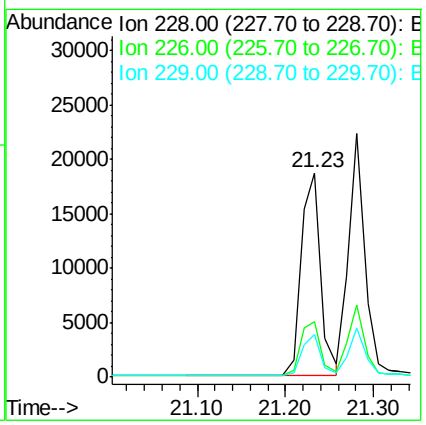


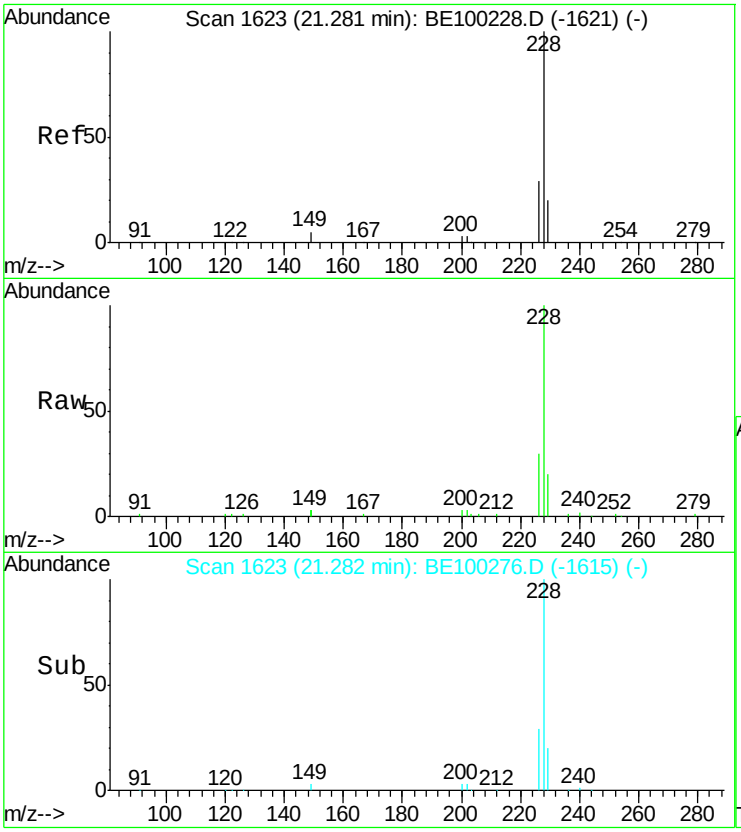


#30
Benzo(a)anthracene
Concen: 0.445 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:228 Resp: 29095

Ion	Ratio	Lower	Upper
228	100		
226	27.1	23.2	34.8
229	21.0	15.7	23.5



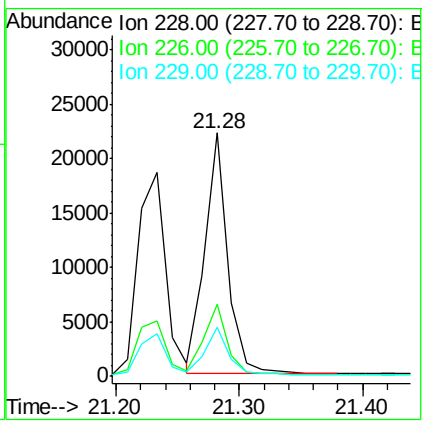


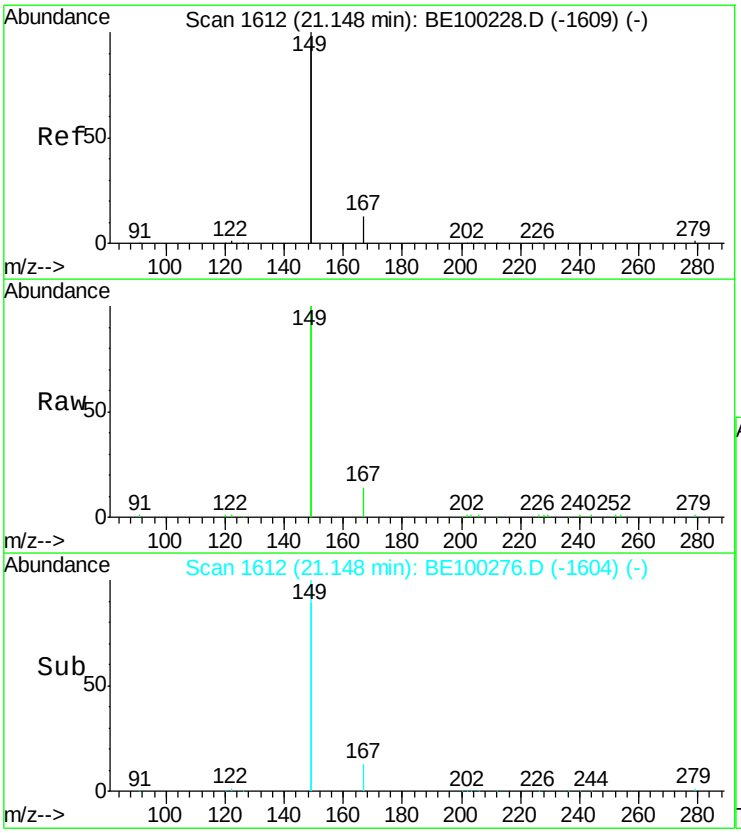
#31
Chrysene
Concen: 0.436 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 28644

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	20.1	16.5	24.7

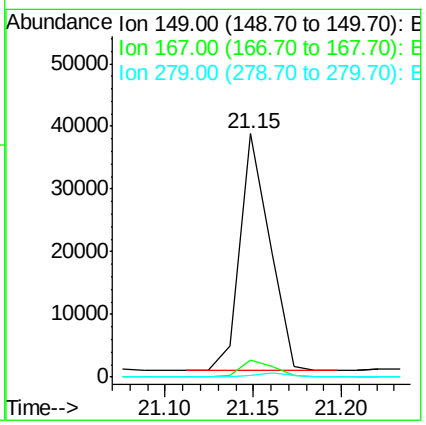


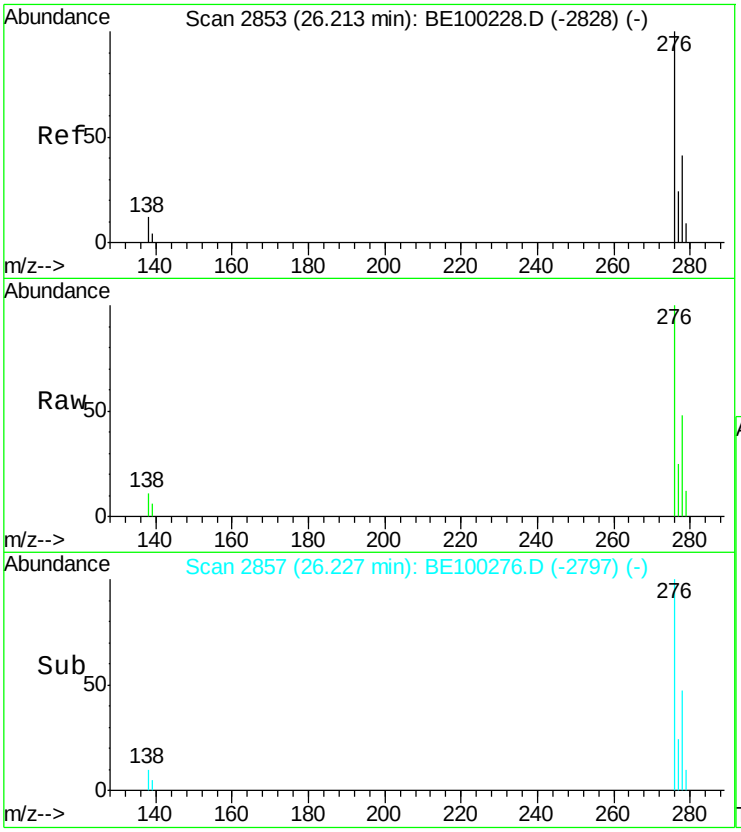


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.422 ng
RT: 21.15 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:149 Resp: 44375

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.8	8.8
279	1.5	1.1	1.7



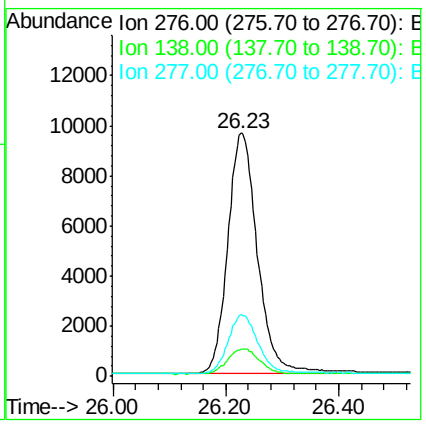


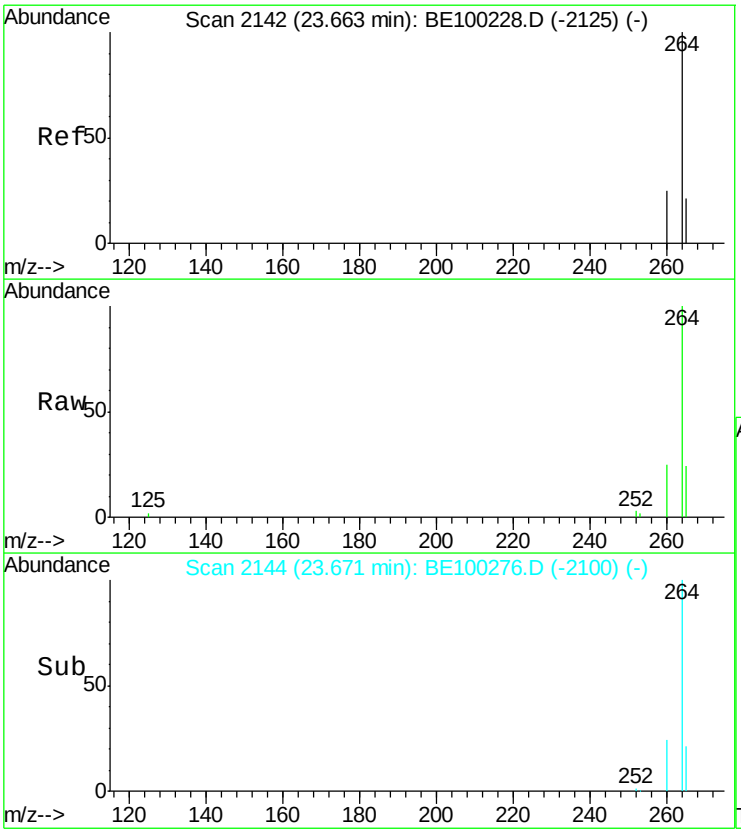
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.400 ng
RT: 26.23 min Scan# 2857
Delta R.T. 0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 34808

Ion	Ratio	Lower	Upper
276	100		
138	11.4	9.4	14.0
277	24.7	19.2	28.8

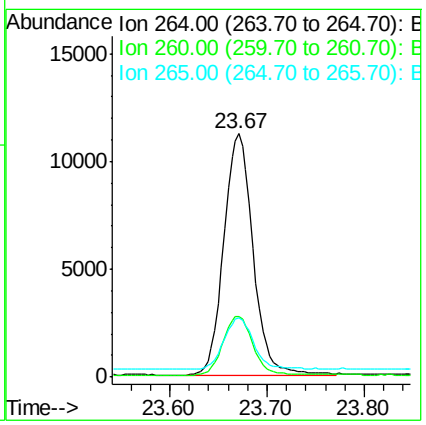


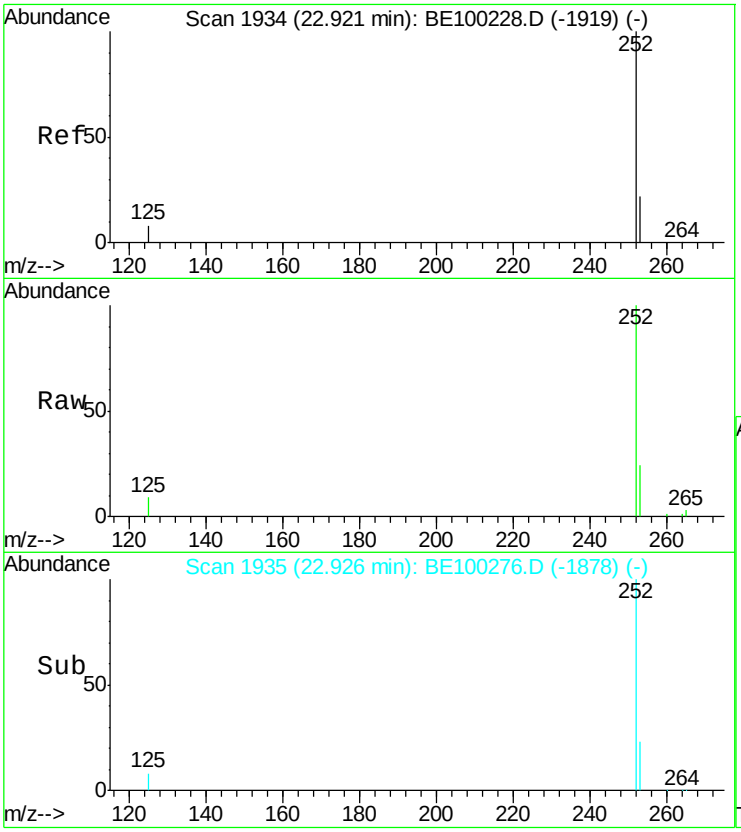


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.67 min Scan# 2144
Delta R.T. 0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:264 Resp: 23458

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.8	31.2
265	24.2	21.8	32.6



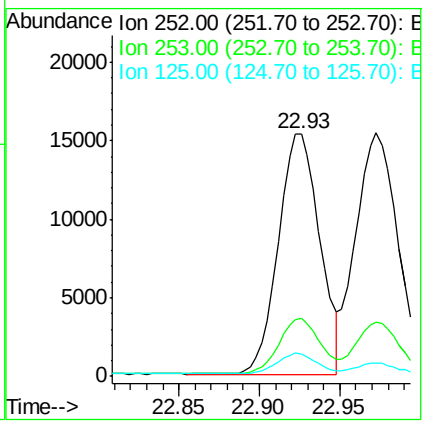


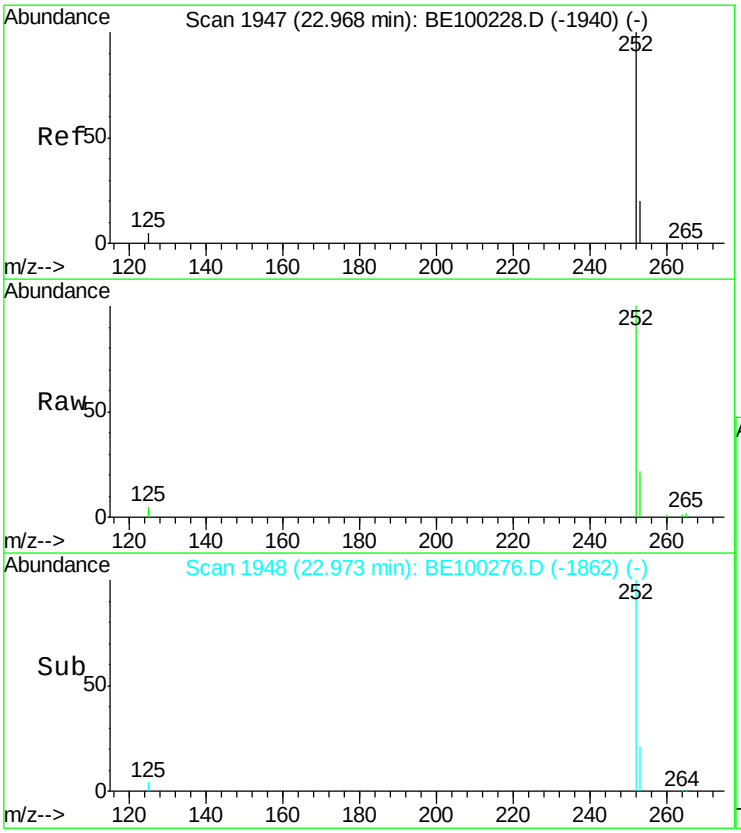
#35
Benzo(b)fluoranthene
Concen: 0.429 ng
RT: 22.93 min Scan# 1935
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 27273

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.2	28.8
125	9.1	7.4	11.0

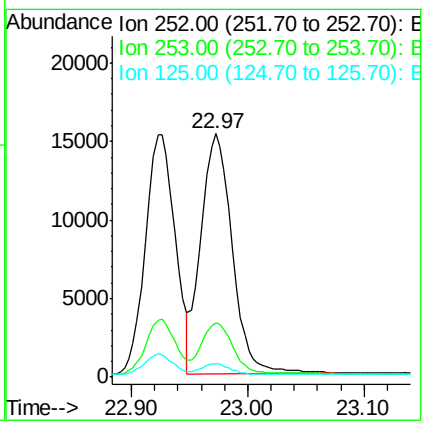


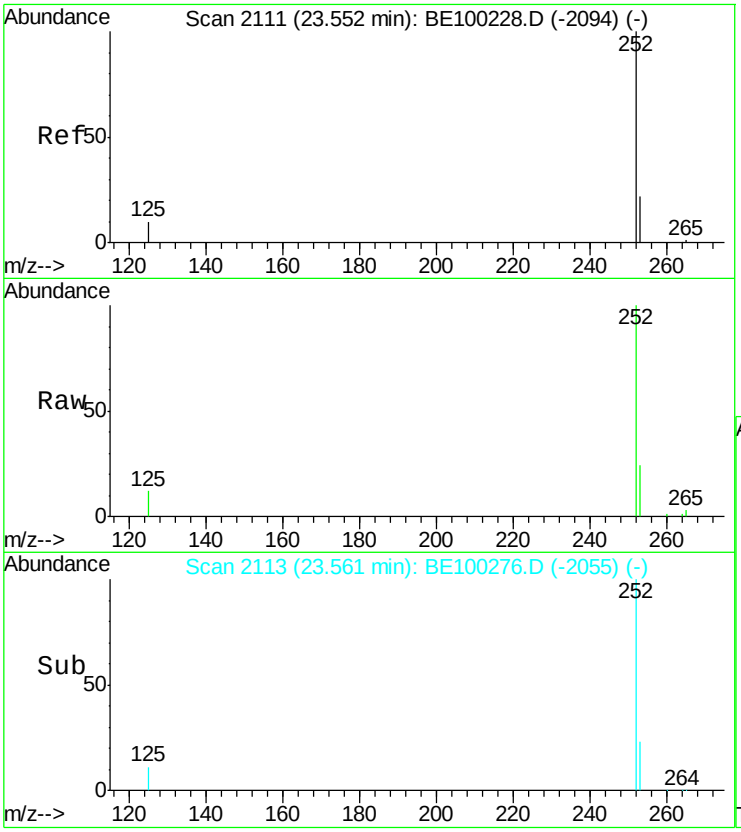


#36
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 22.97 min Scan# 1948
Delta R.T. 0.00 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:252 Resp: 28528

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	5.3	5.0	7.4



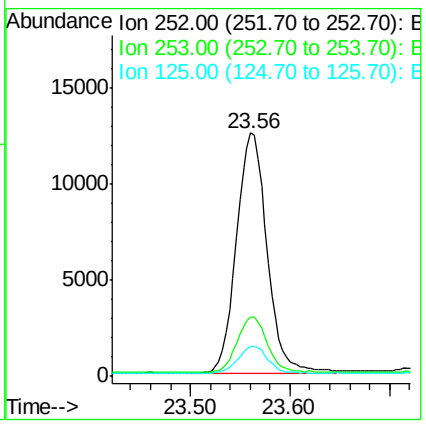


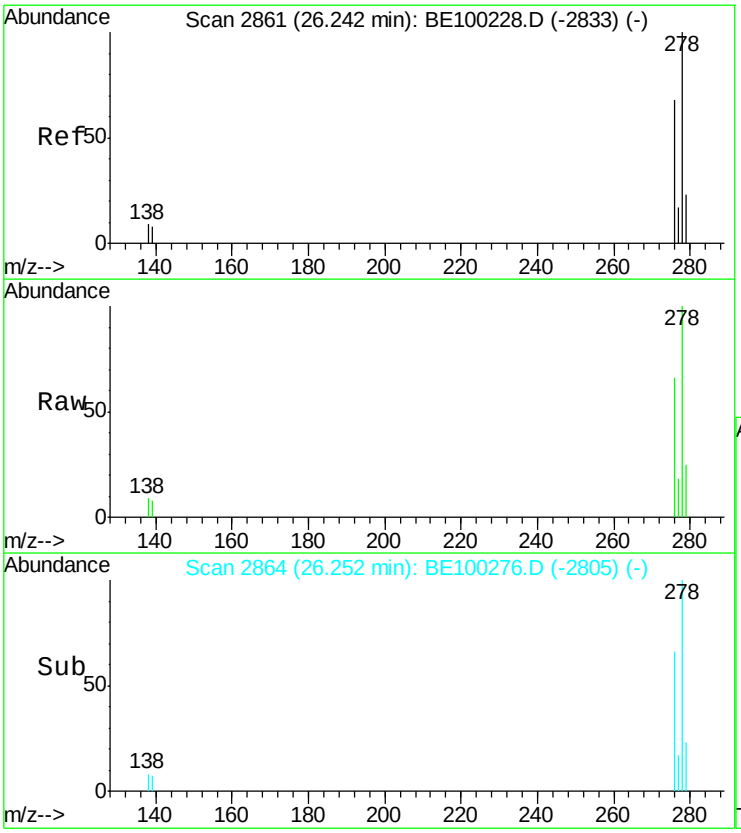
#37
Benzo(a)pyrene
Concen: 0.417 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 26610

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.6	29.4
125	12.4	9.0	13.6

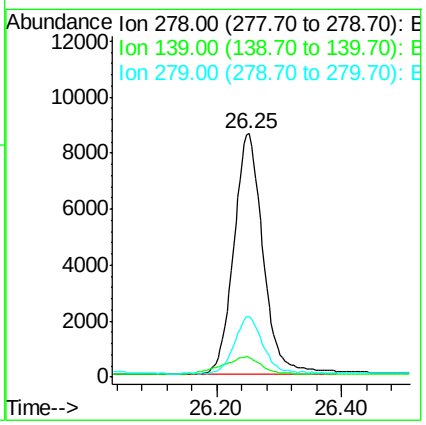


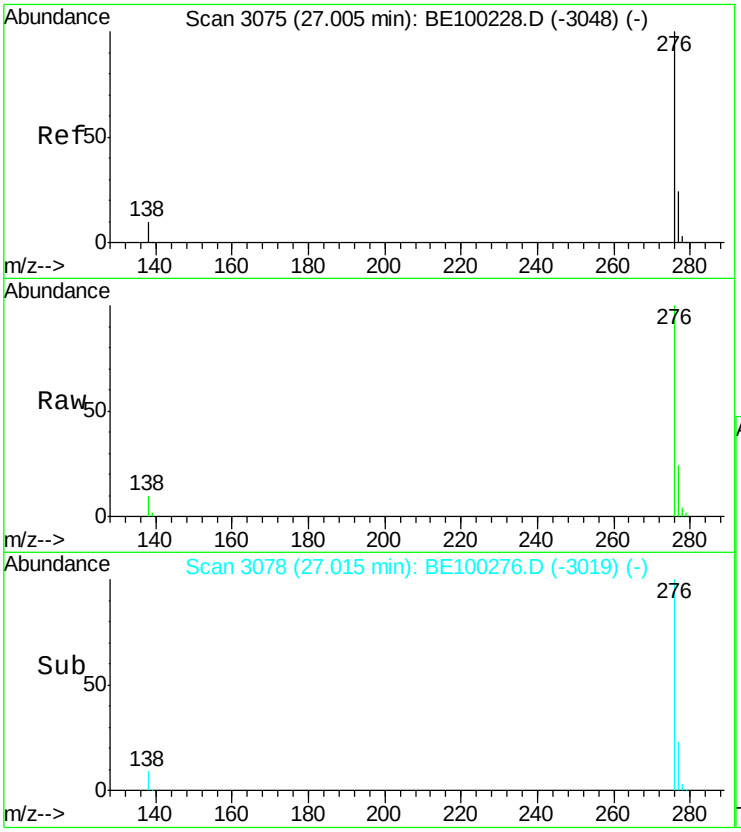


#38
Dibenzo(a,h)anthracene
Concen: 0.424 ng
RT: 26.25 min Scan# 2864
Delta R.T. 0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Tgt Ion:278 Resp: 28205

Ion	Ratio	Lower	Upper
278	100		
139	8.2	8.2	12.2
279	24.9	20.3	30.5





#39
Benzo(g,h,i)perylene
Concen: 0.419 ng
RT: 27.02 min Scan# 3078
Delta R.T. 0.01 min
Lab File: BE100276.D
Acq: 1 Jul 2019 21:30

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 28655

Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.2
138	10.1	9.0	13.6