Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011020\
Data File : BE101024.D
Acq On : 10 Jan 2020 15:02
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jan 10 15:59:13 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	3301	0.40	ng		0.00
7) Naphthalene-d8	10.50	136	14926	0.40	ng		0.00
13) Acenaphthene-d10	14.36	164	8896	0.40	ng		0.00
19) Phenanthrene-d10	17.09	188	19451	0.40	ng		0.00
27) Chrysene-d12	21.28	240	14648	0.40	ng		0.00
34) Perylene-d12	23.70	264	15880	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.33	112	2586	0.35	ng		0.00
5) Phenol-d6	6.91	99	3085	0.33	ng		0.00
8) Nitrobenzene-d5	8.87	82	3203	0.30	ng		0.00
11) 2-Methylnaphthalene-d10	12.11	152	11567	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	717	0.29	ng		0.00
15) 2-Fluorobiphenyl	13.00	172	13760	0.41	ng		0.00
25) Fluoranthene-d10	19.13	212	97141	0.36	ng		0.00
29) Terphenyl-d14	19.74	244	15298	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	2857	0.340	ng		92
3) n-Nitrosodimethylamine	3.60	42	1611	0.351	ng		89
6) bis(2-Chloroethyl)ether	7.16	93	3689	0.330	ng	#	90
9) Naphthalene	10.55	128	67468	0.407	ng		100
10) Hexachlorobutadiene	10.85	225	2848	0.406	ng		99
12) 2-Methylnaphthalene	12.18	142	9726	0.388	ng		98
16) Acenaphthylene	14.08	152	12523	0.346	ng		99
17) Acenaphthene	14.43	154	10278	0.396	ng		99
18) Fluorene	15.39	166	12786	0.390	ng		99
20) 4-Bromophenyl-phenylether	16.30	248	3581	0.378	ng		97
21) Hexachlorobenzene	16.41	284	4416	0.424	ng		97
22) Pentachlorophenol	16.76	266	552	0.401	ng		94
23) Phenanthrene	17.13	178	20958	0.395	ng		99
24) Anthracene	17.23	178	18880	0.377	ng		100
26) Fluoranthene	19.16	202	24148	0.363	ng		98
28) Pyrene	19.52	202	23687	0.434	ng		99
30) Benzo(a)anthracene	21.26	228	13013	0.311	ng		99
31) Chrysene	21.31	228	28434	0.458	ng		98
32) Bis(2-ethylhexyl)phthalate	21.20	149	20396	0.293	ng		100
33) Indeno(1,2,3-cd)pyrene	26.24	276	19688	0.401	ng		97
35) Benzo(b)fluoranthene	22.95	252	14257	0.320	ng		100
36) Benzo(k)fluoranthene	23.00	252	27769m	0.430	ng		
37) Benzo(a)pyrene	23.59	252	16159	0.375	ng		99
38) Dibenzo(a,h)anthracene	26.27	278	14023	0.354	ng		97
39) Benzo(g,h,i)perylene	27.01	276	18406	0.378	ng		100

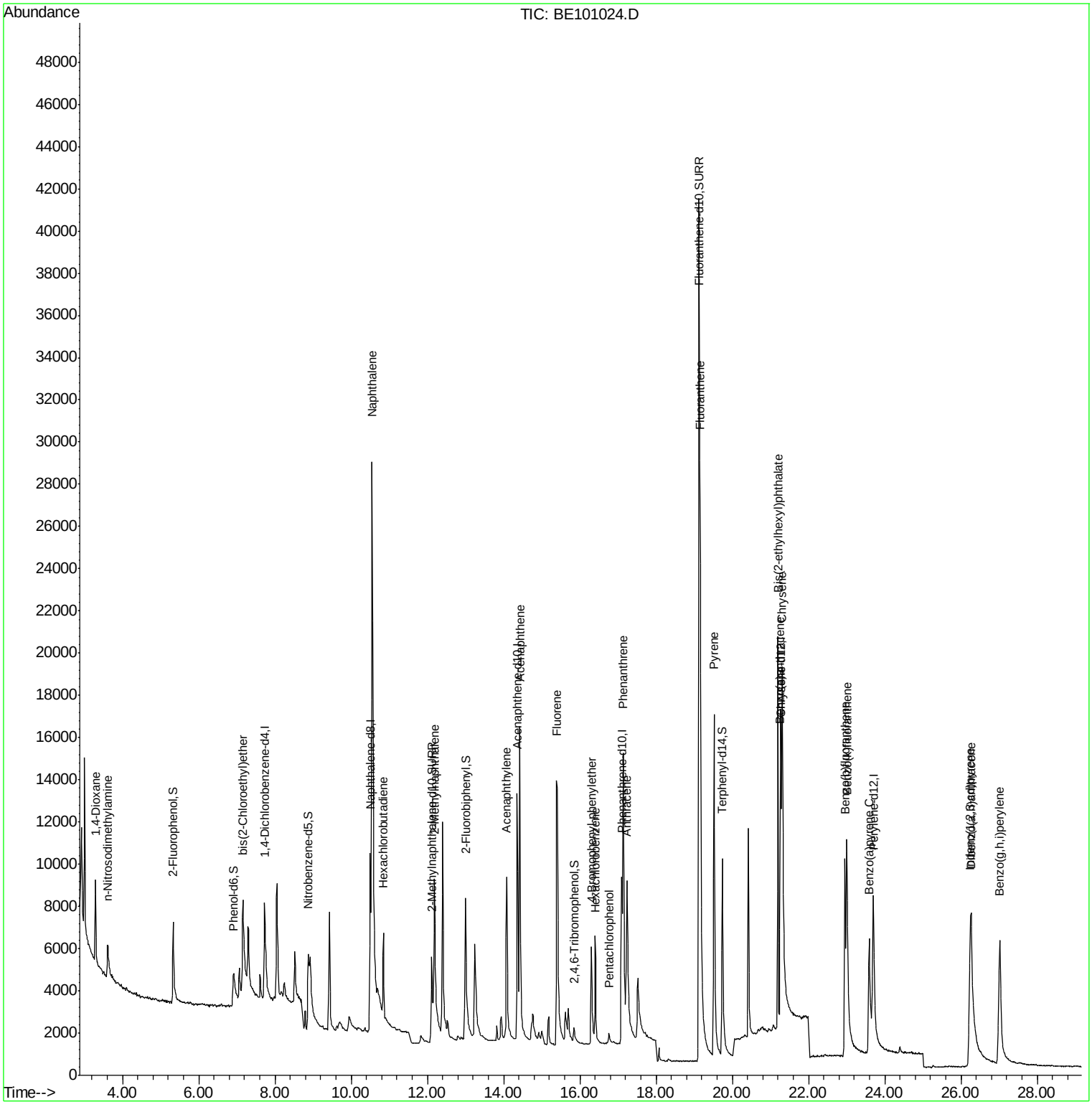
(#) = qualifier out of range (m) = manual integration (+) = signals summed

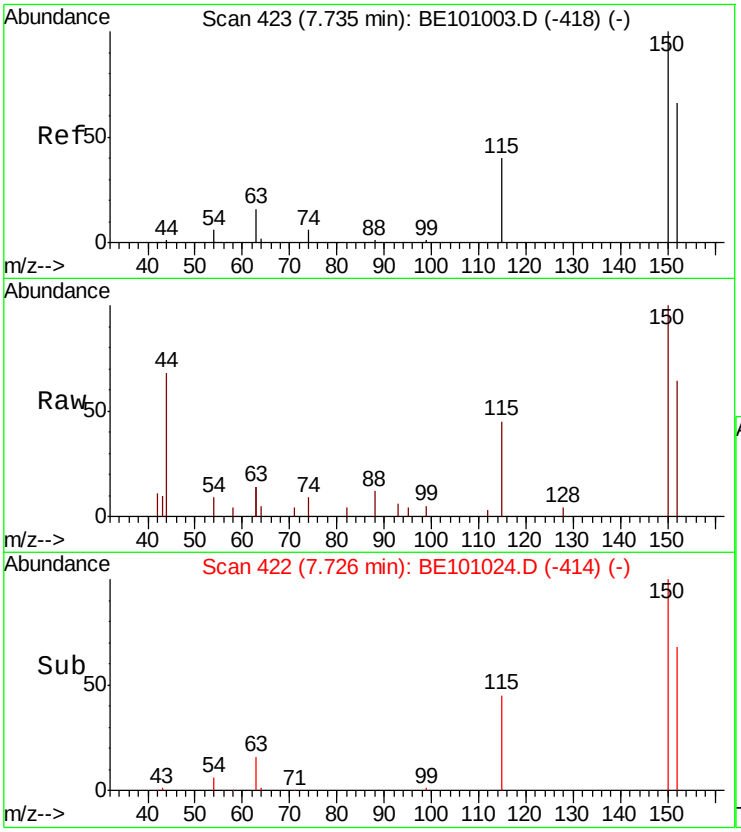
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011020\
Data File : BE101024.D
Acq On : 10 Jan 2020 15:02
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jan 10 15:59:13 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration



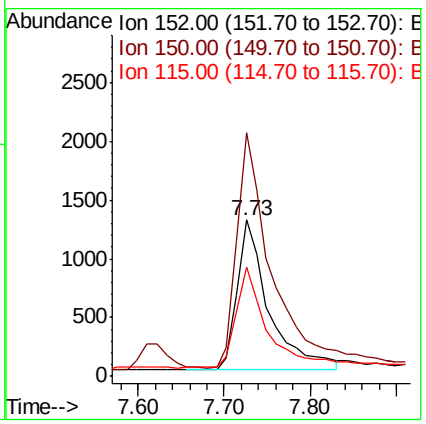


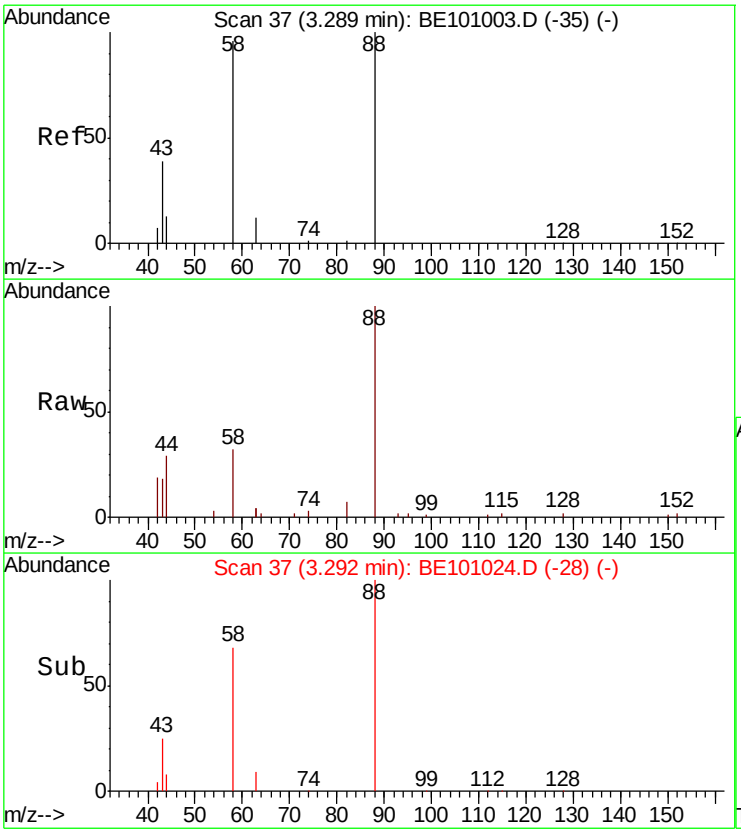
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3301

Ion	Ratio	Lower	Upper
152	100		
150	155.6	120.3	180.5
115	69.6	51.7	77.5

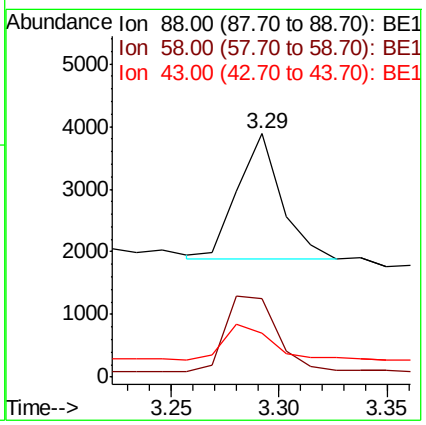


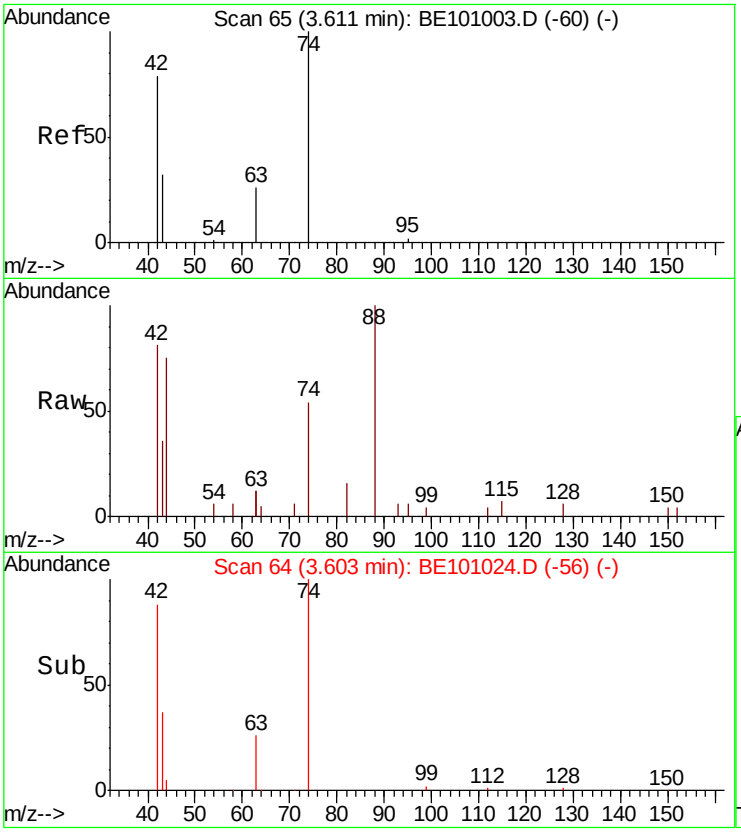


#2
1,4-Dioxane
Concen: 0.340 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion: 88 Resp: 2857

Ion	Ratio	Lower	Upper
88	100		
58	74.5	53.0	79.4
43	28.7	23.4	35.2



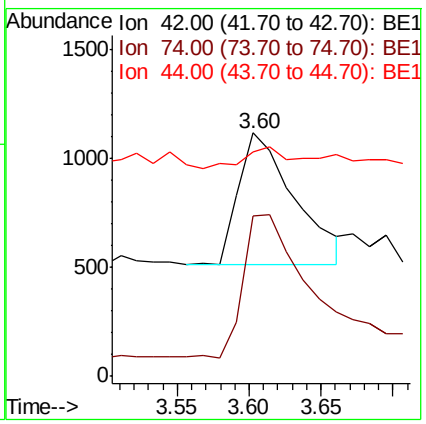


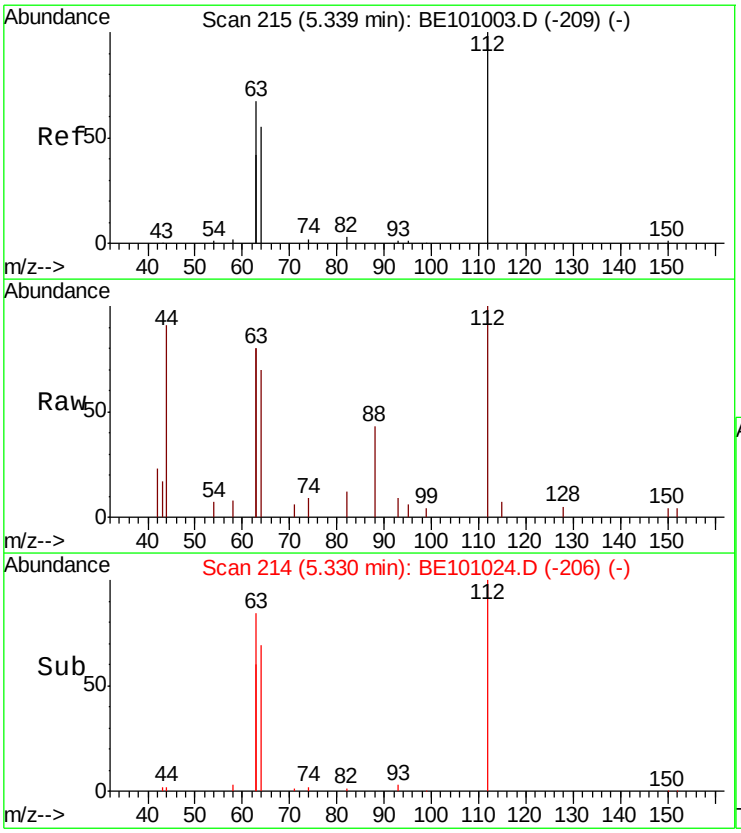
#3
n-Nitrosodimethylamine
Concen: 0.351 ng
RT: 3.60 min Scan# 64
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1611

Ion	Ratio	Lower	Upper
42	100		
74	118.2	105.7	158.5
44	13.3	10.0	15.0

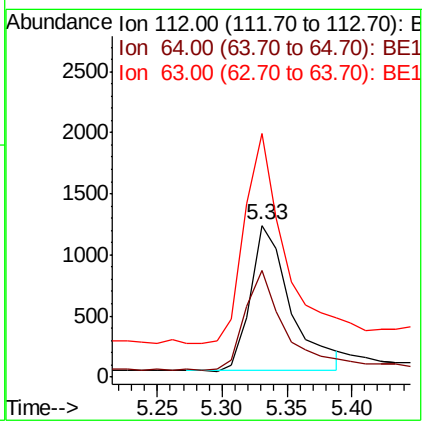


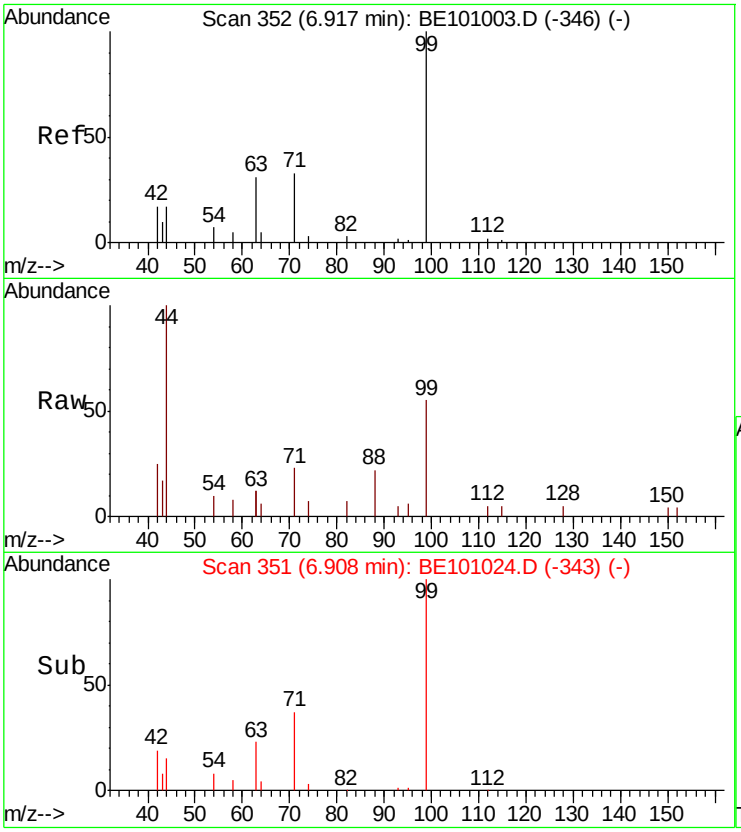


#4
2-Fluorophenol
Concen: 0.348 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:112 Resp: 2586

Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.6	80.4
63	144.8	114.6	172.0



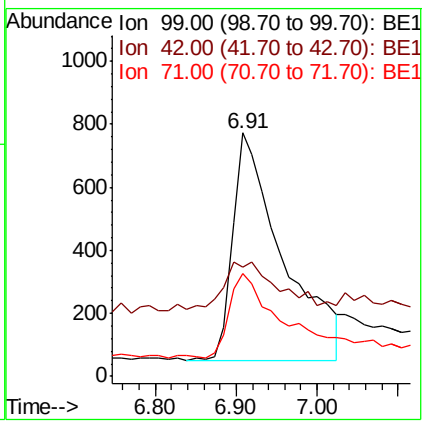


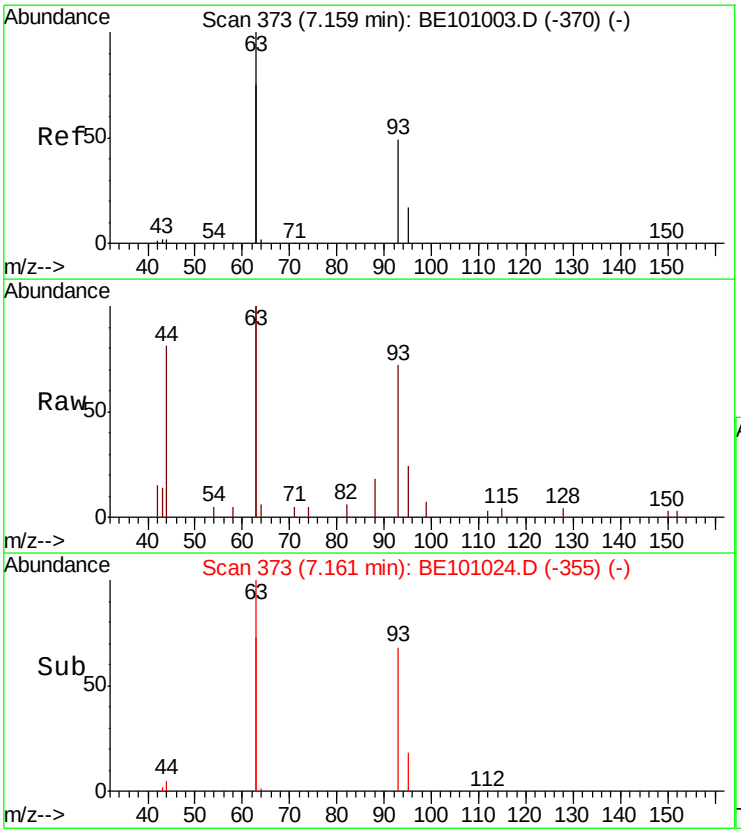
#5
Phenol-d6
Concen: 0.328 ng
RT: 6.91 min Scan# 351
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 3085

Ion	Ratio	Lower	Upper
99	100		
42	22.7	18.3	27.5
71	39.9	28.0	42.0

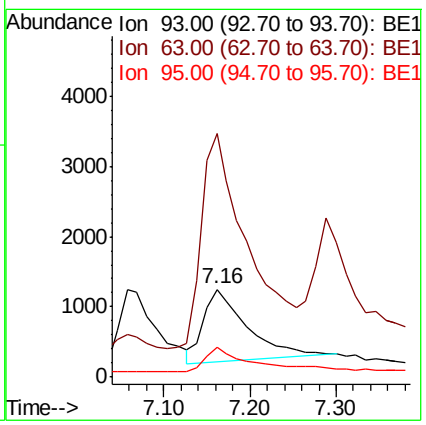


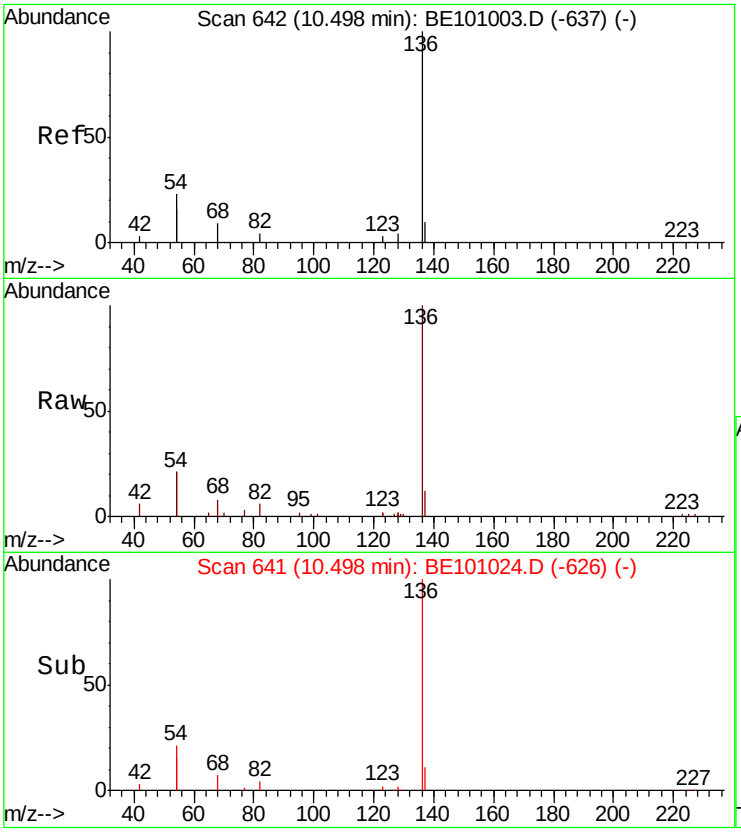


#6
bis(2-Chloroethyl)ether
Concen: 0.330 ng
RT: 7.16 min Scan# 373
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion: 93 Resp: 3689

Ion	Ratio	Lower	Upper
93	100		
63	312.2	233.9	350.9
95	35.7	23.5	35.3#



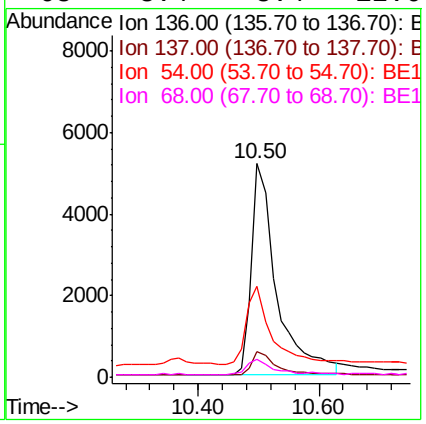


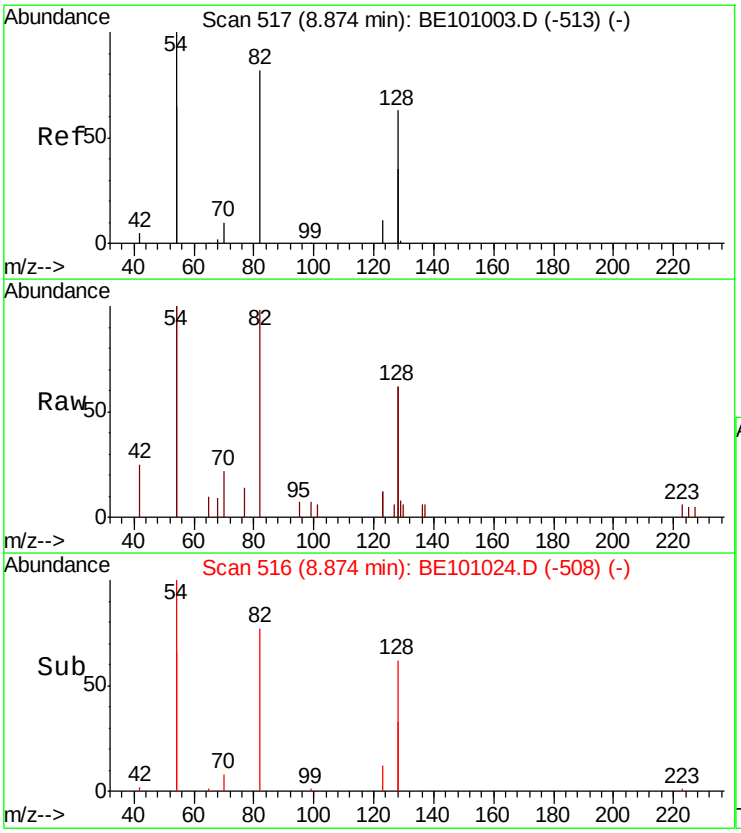
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.50 min Scan# 641
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 14926

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.3	13.9
54	42.5	36.8	55.2
68	8.4	8.4	12.6

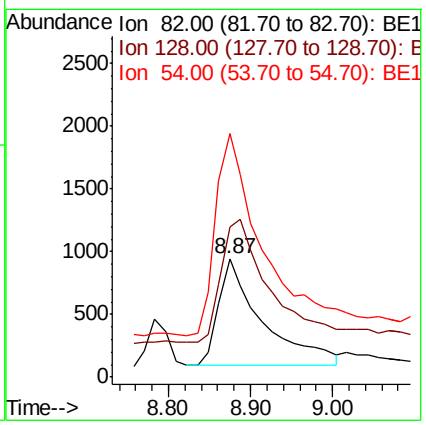


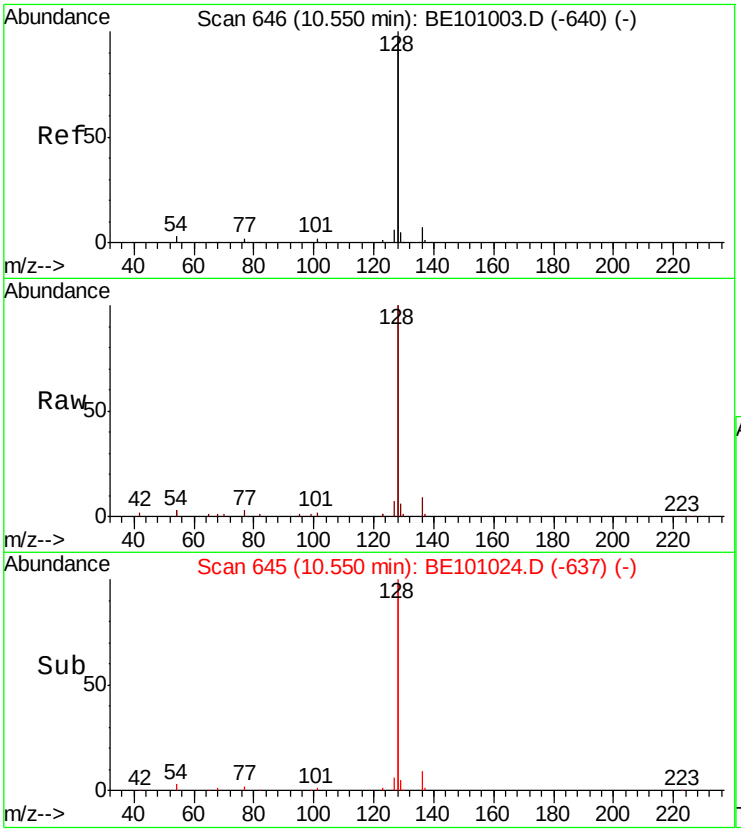


#8
Nitrobenzene-d5
Concen: 0.300 ng
RT: 8.87 min Scan# 516
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion: 82 Resp: 3203

Ion	Ratio	Lower	Upper
82	100		
128	126.9	109.8	164.6
54	205.1	174.5	261.7



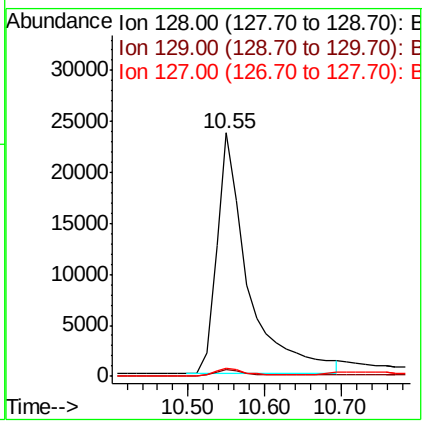


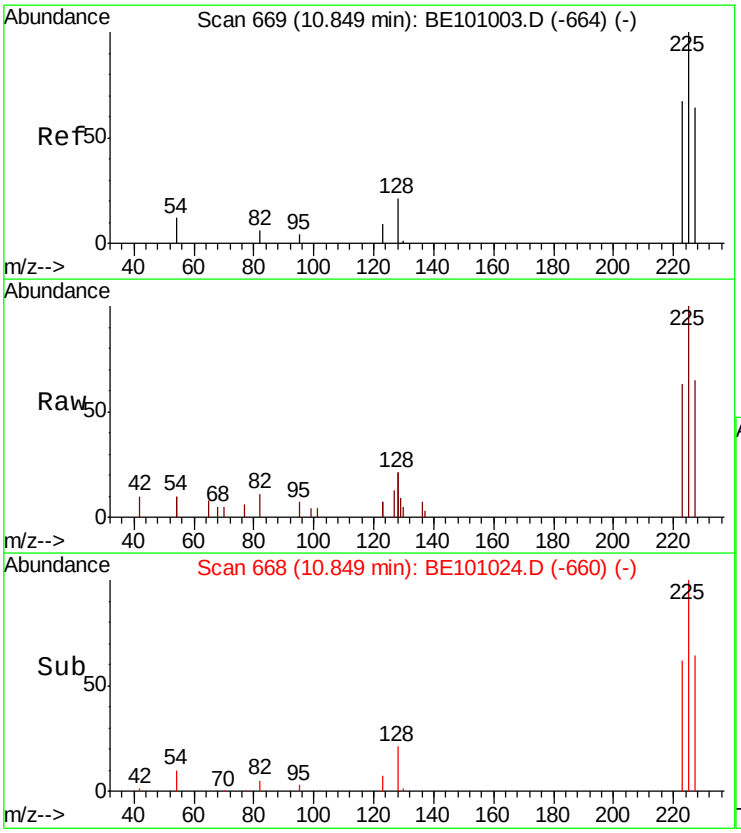
#9
Naphthalene
Concen: 0.407 ng
RT: 10.55 min Scan# 645
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 67468

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.3	3.5
127	3.3	2.7	4.1

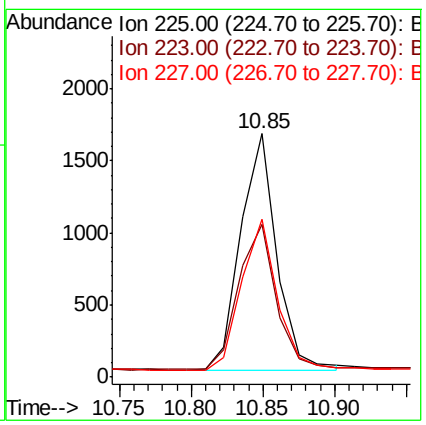


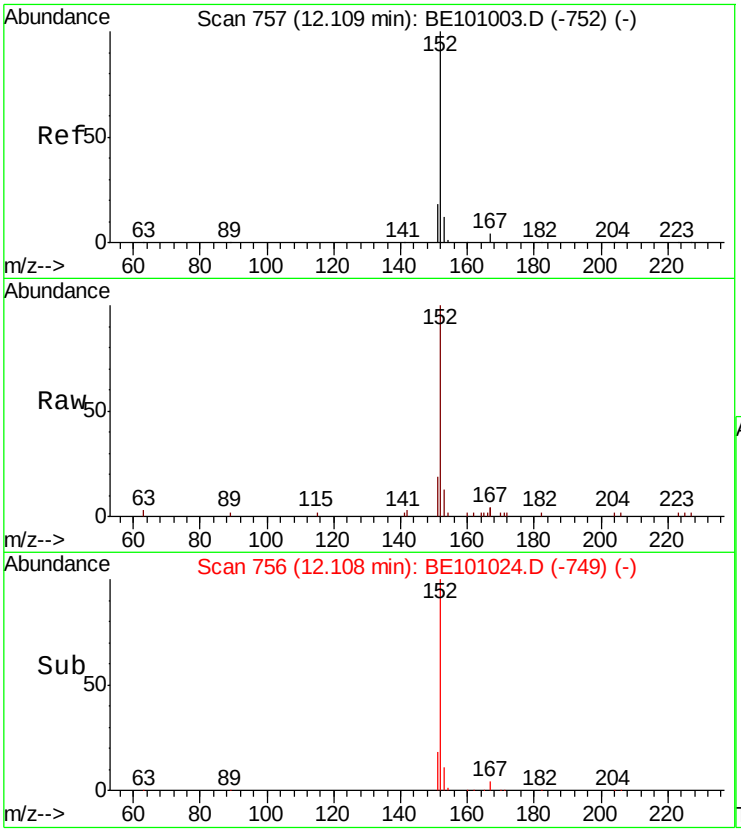


#10
Hexachlorobutadiene
Concen: 0.406 ng
RT: 10.85 min Scan# 668
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:225 Resp: 2848

Ion	Ratio	Lower	Upper
225	100		
223	64.5	52.2	78.4
227	63.9	49.9	74.9



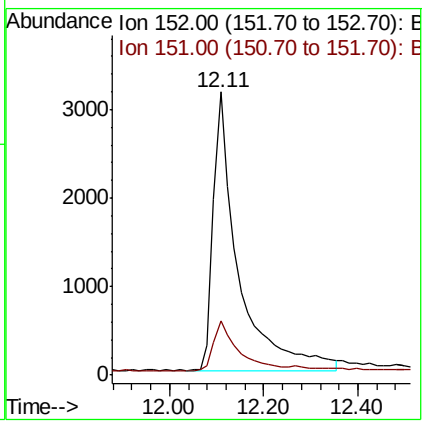


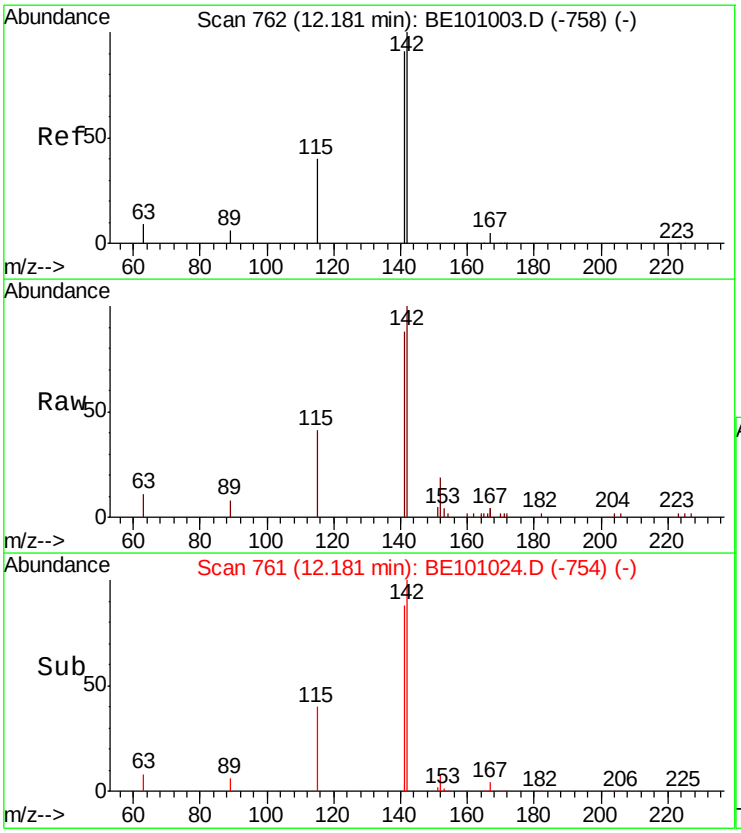
#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 11567

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.0	22.6

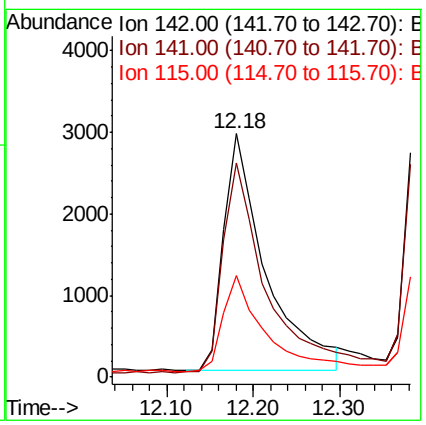


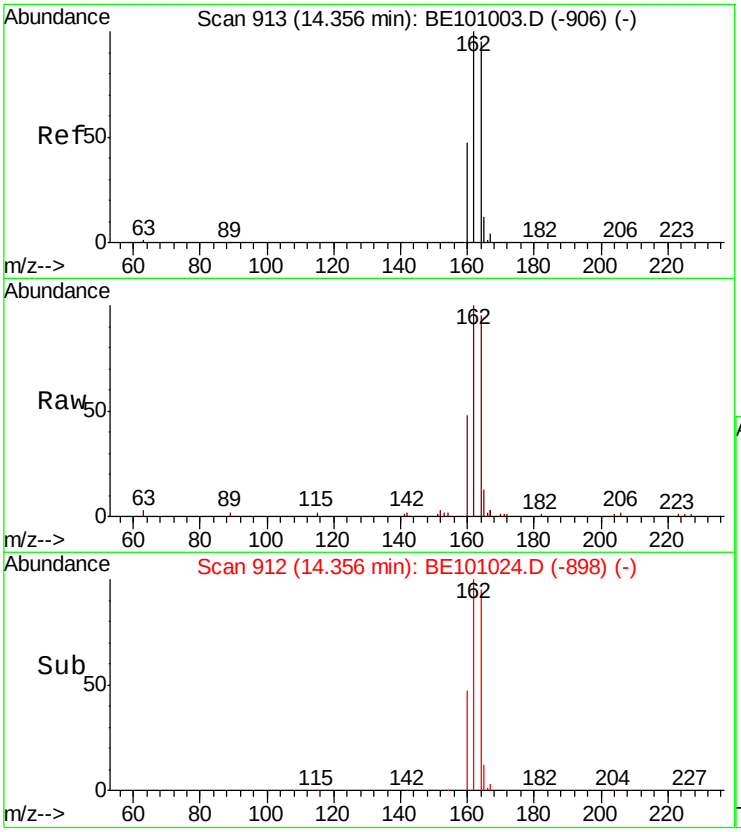


#12
2-Methylnaphthalene
Concen: 0.388 ng
RT: 12.18 min Scan# 761
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:142 Resp: 9726

Ion	Ratio	Lower	Upper
142	100		
141	87.8	72.5	108.7
115	41.5	33.0	49.6



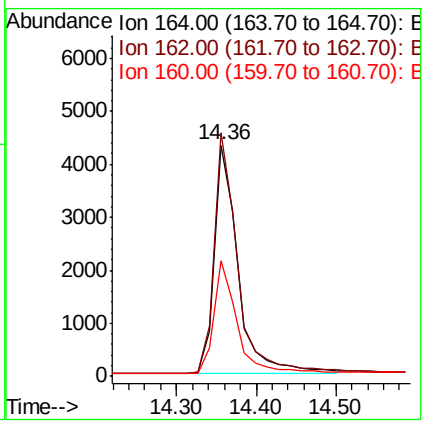


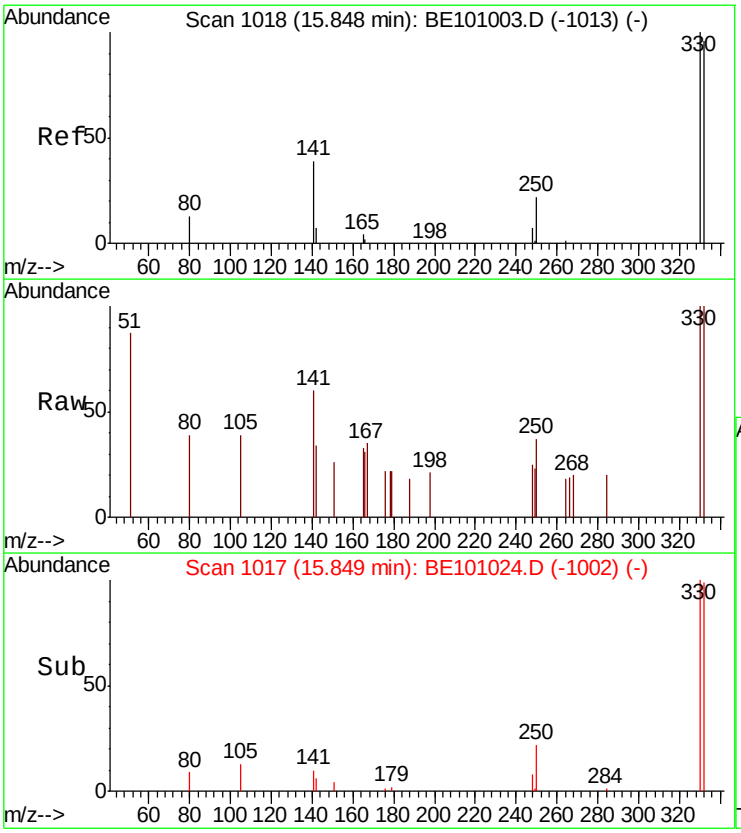
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 8896

Ion	Ratio	Lower	Upper
164	100		
162	105.2	84.1	126.1
160	50.2	40.4	60.6

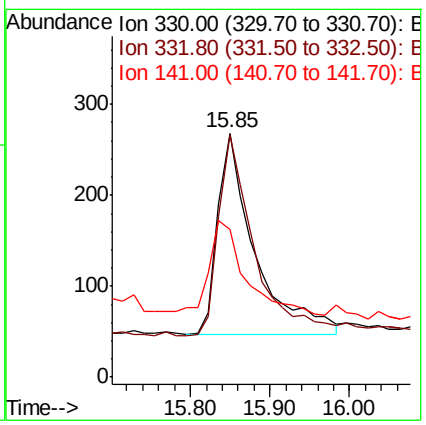


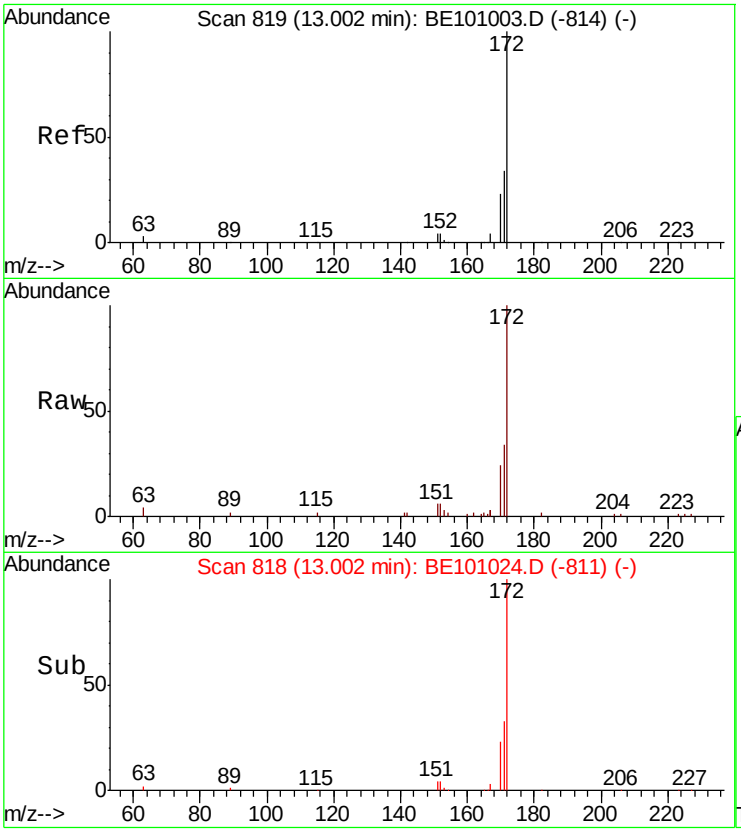


#14
2,4,6-Tribromophenol
Concen: 0.286 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:330 Resp: 717

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.4	117.6
141	46.4	37.0	55.4



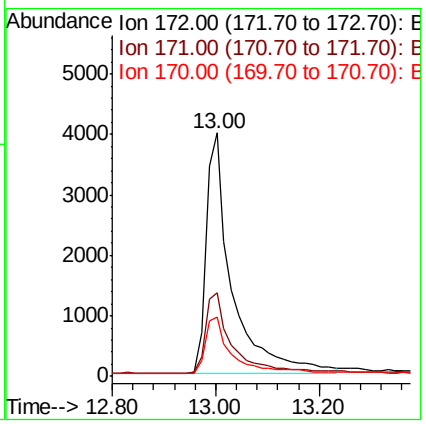


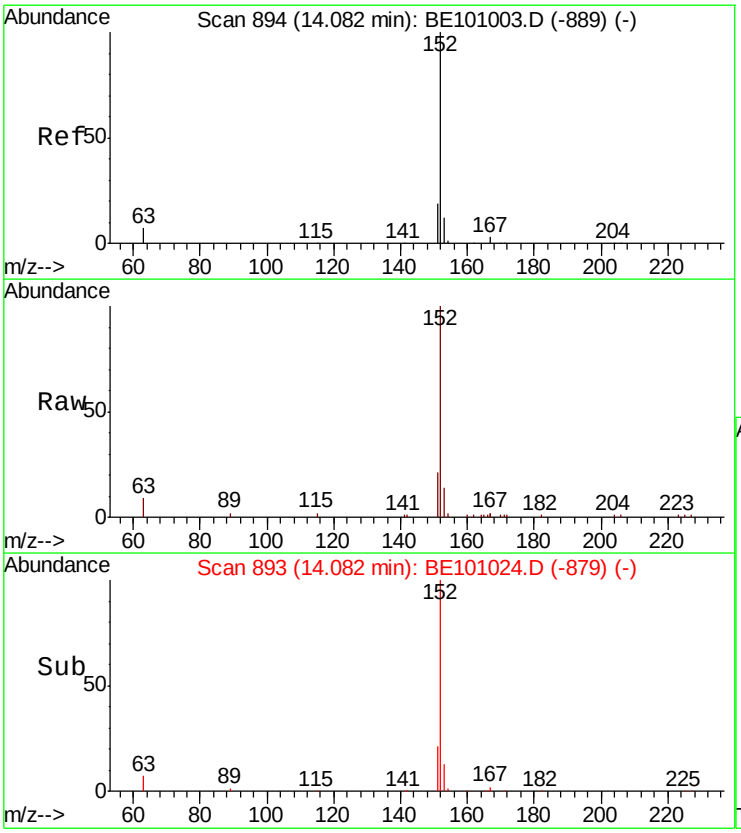
#15
2-Fluorobiphenyl
Concen: 0.407 ng
RT: 13.00 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 13760

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.2
170	24.2	18.9	28.3

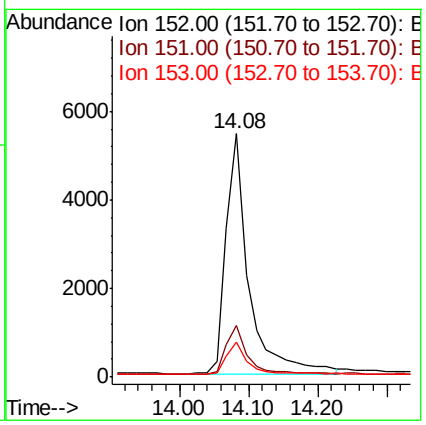


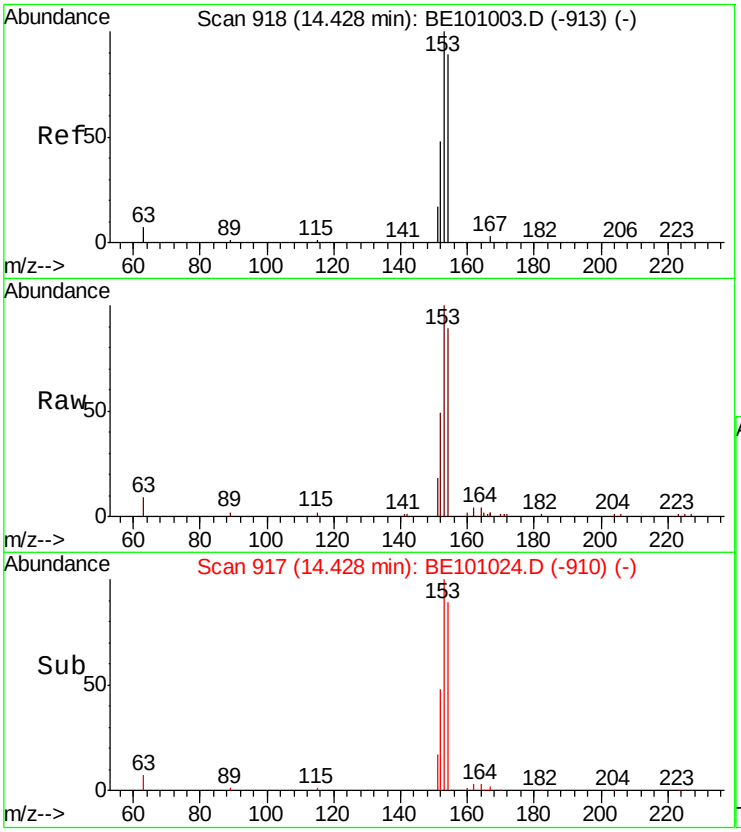


#16
Acenaphthylene
Concen: 0.346 ng
RT: 14.08 min Scan# 893
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:152 Resp: 12523

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.5	23.3
153	13.1	10.4	15.6



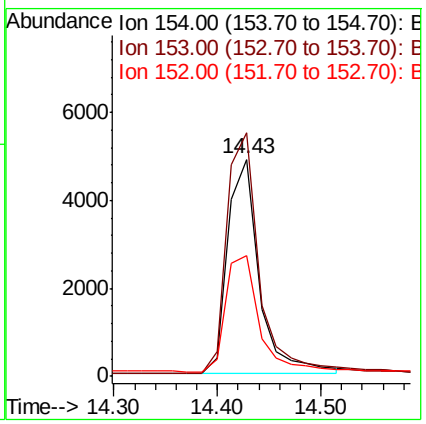


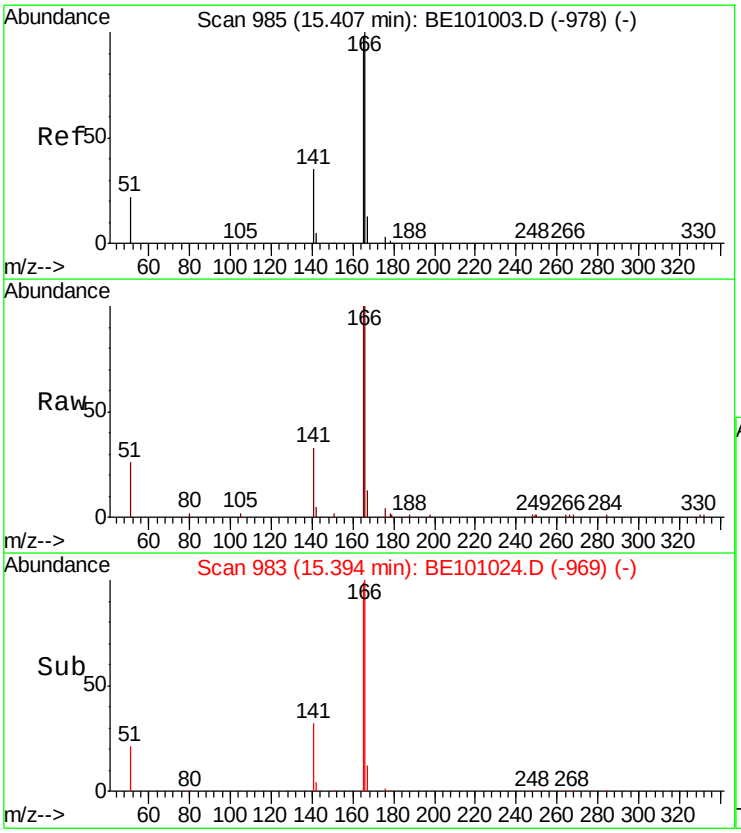
#17
Acenaphthene
Concen: 0.396 ng
RT: 14.43 min Scan# 917
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 10278

Ion	Ratio	Lower	Upper
154	100		
153	116.3	93.6	140.4
152	57.6	46.3	69.5

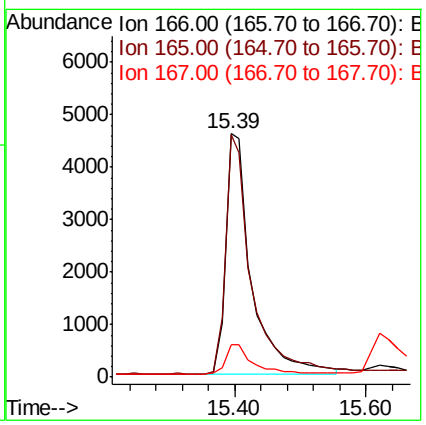


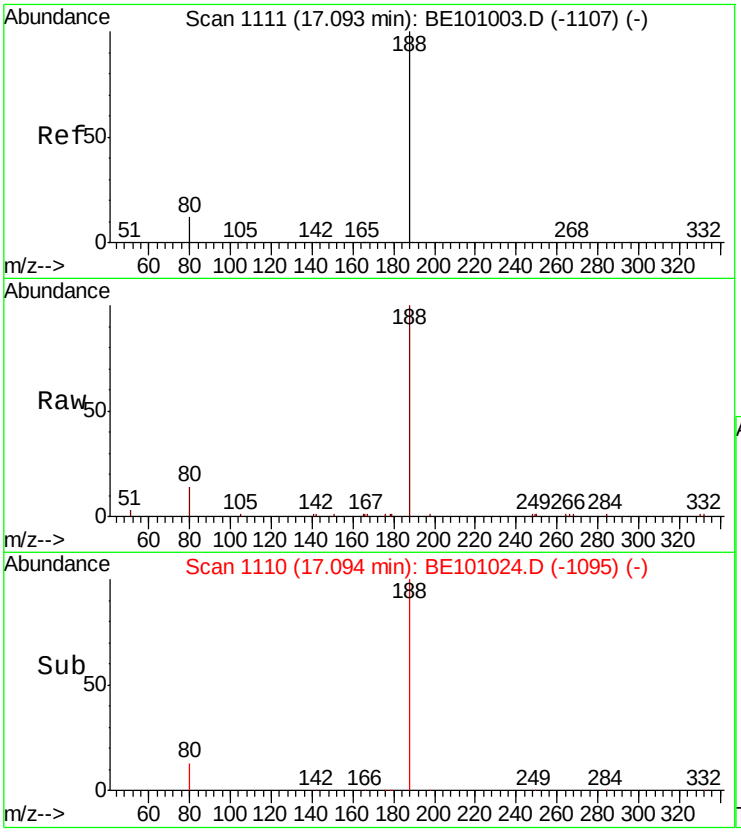


#18
Fluorene
Concen: 0.390 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:166 Resp: 12786

Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.8	119.8
167	13.4	11.0	16.6



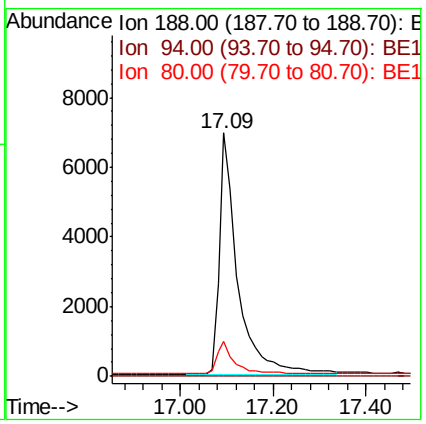


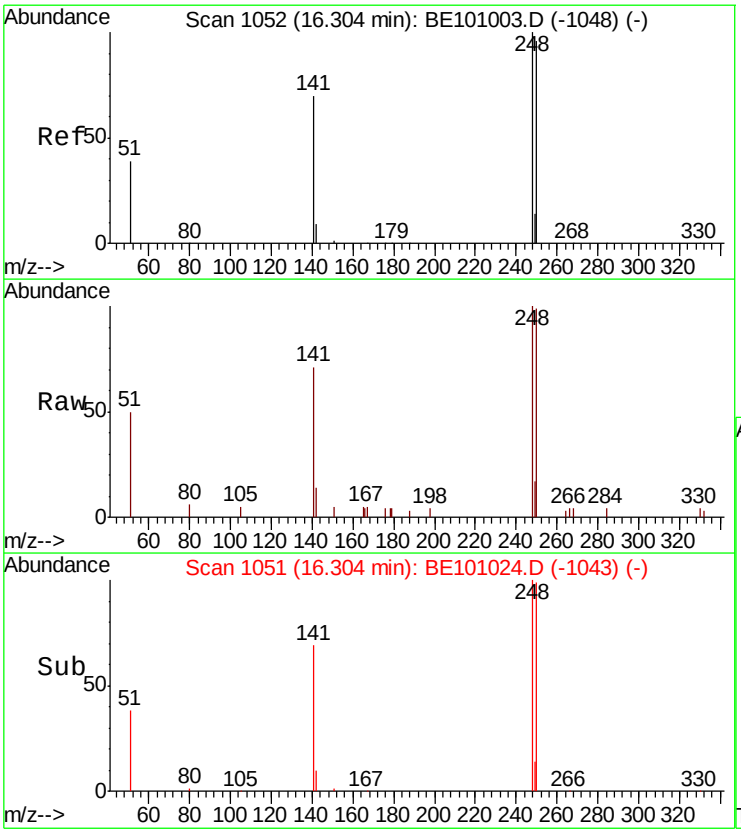
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 19451

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	14.4	10.8	16.2

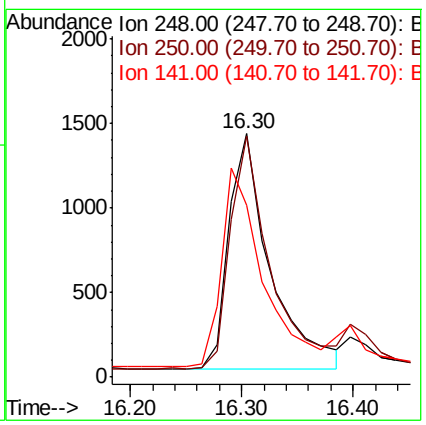


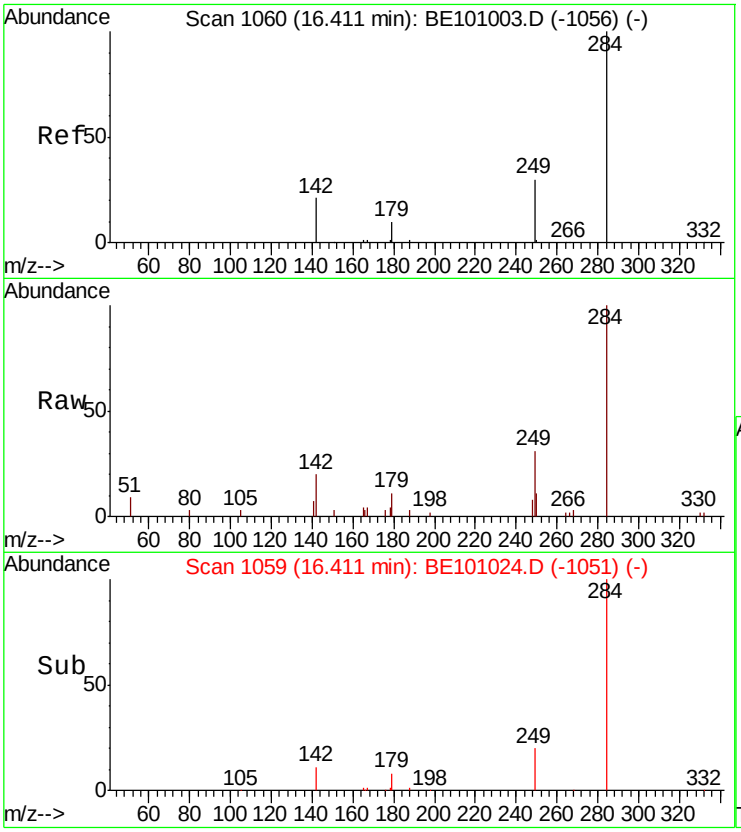


#20
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 16.30 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:248 Resp: 3581

Ion	Ratio	Lower	Upper
248	100		
250	99.0	76.6	115.0
141	70.6	57.7	86.5



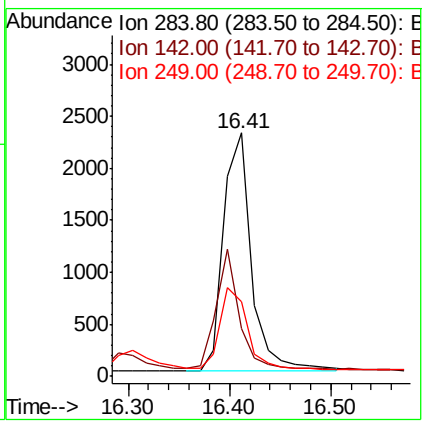


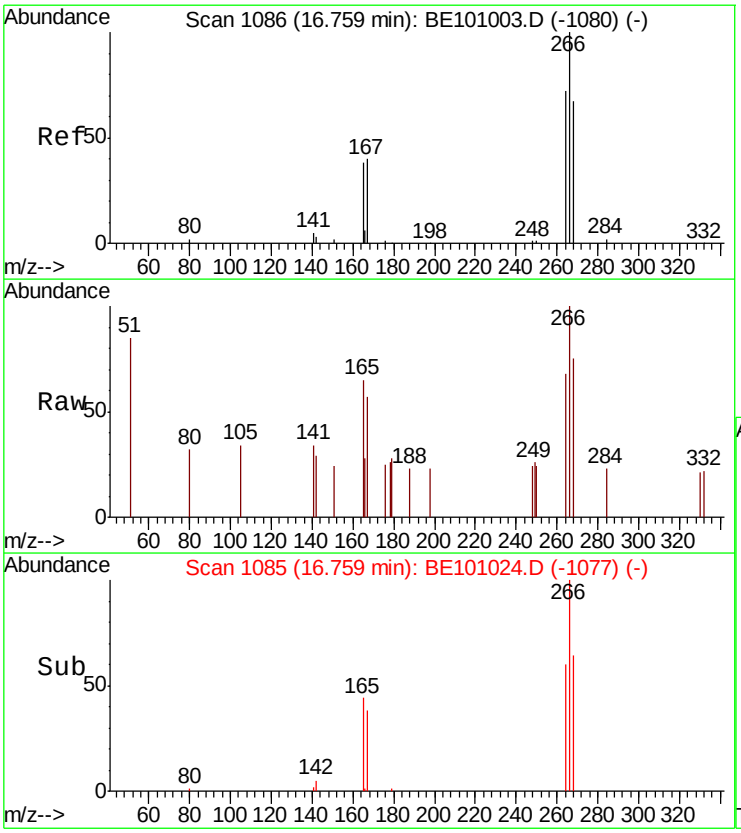
#21
Hexachlorobenzene
Concen: 0.424 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 4416

Ion	Ratio	Lower	Upper
284	100		
142	40.6	34.0	51.0
249	33.5	28.2	42.4

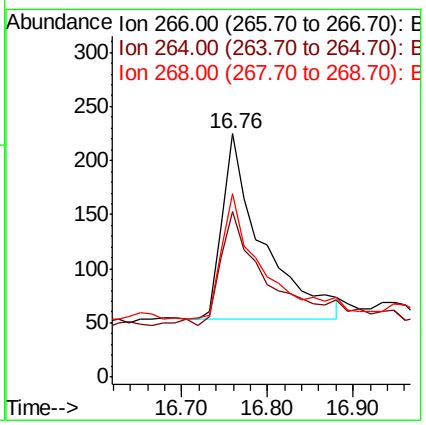


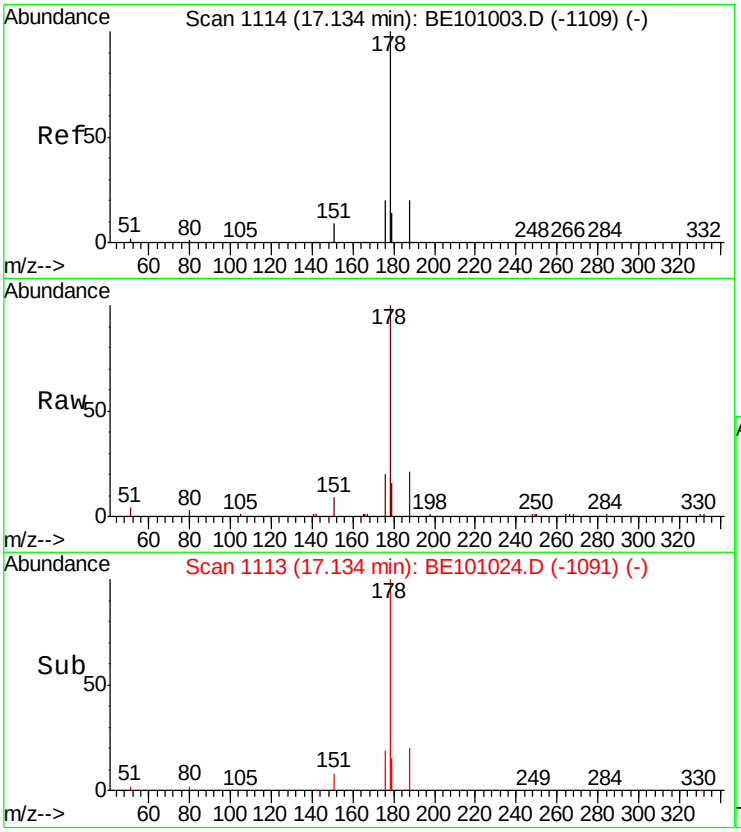


#22
Pentachlorophenol
Concen: 0.401 ng
RT: 16.76 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:266 Resp: 552

Ion	Ratio	Lower	Upper
266	100		
264	68.0	61.0	91.4
268	75.1	58.5	87.7



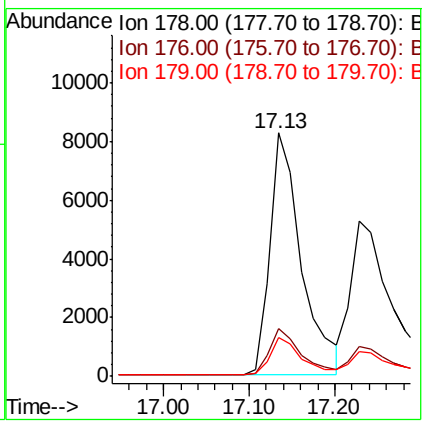


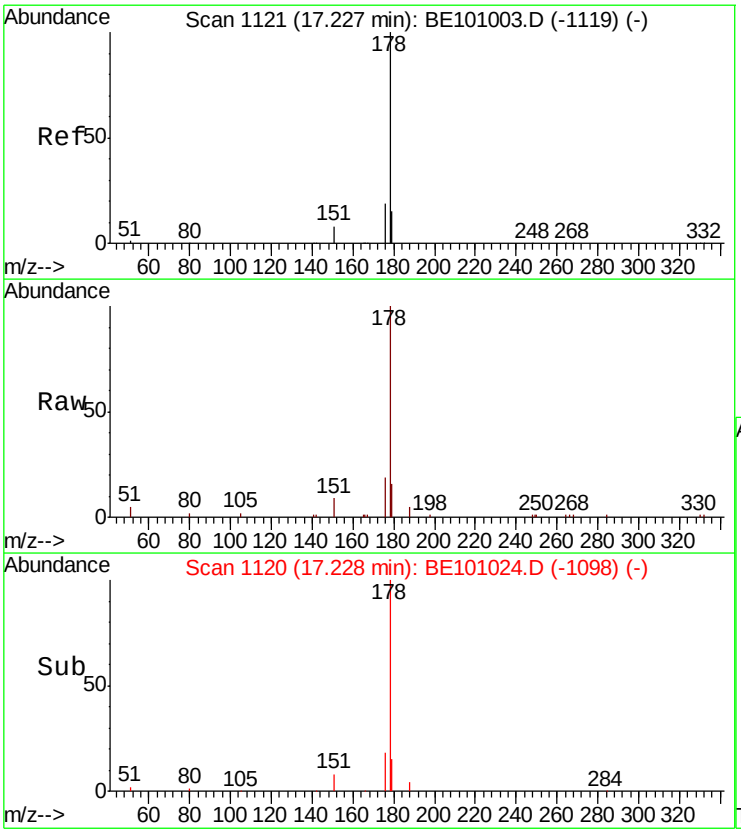
#23
Phenanthrene
Concen: 0.395 ng
RT: 17.13 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 20958

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.4	12.0	18.0

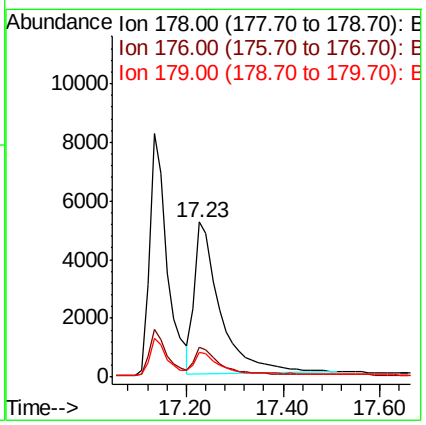


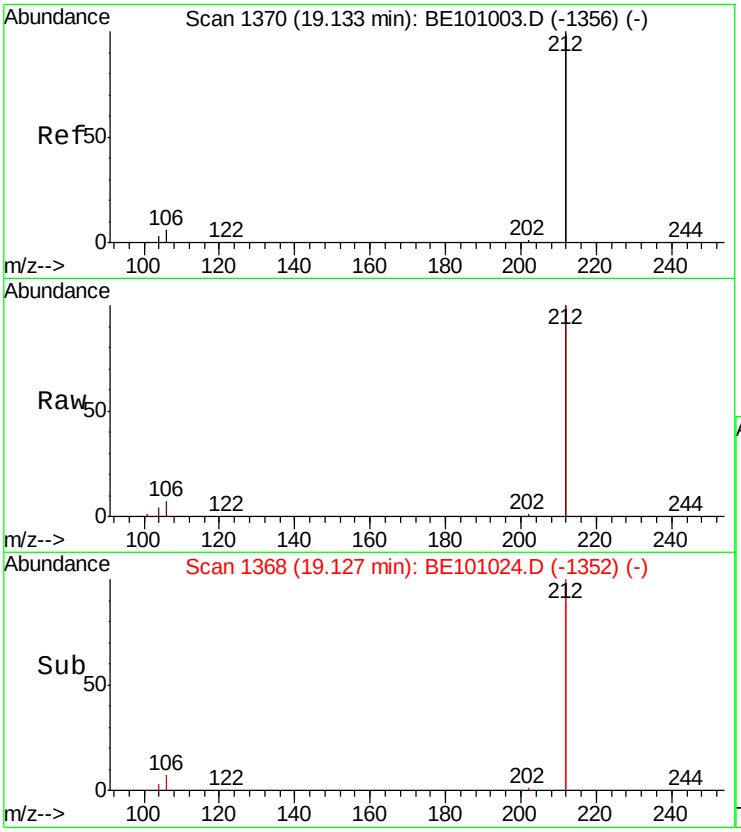


#24
Anthracene
Concen: 0.377 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:178 Resp: 18880

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	15.4	12.4	18.6



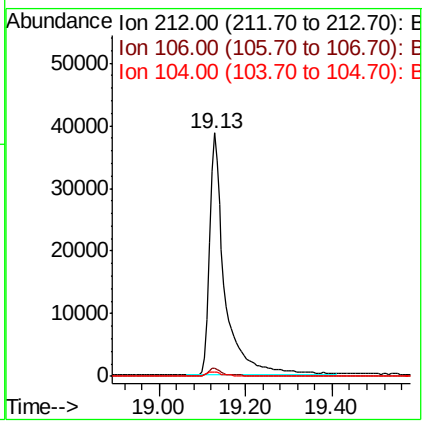


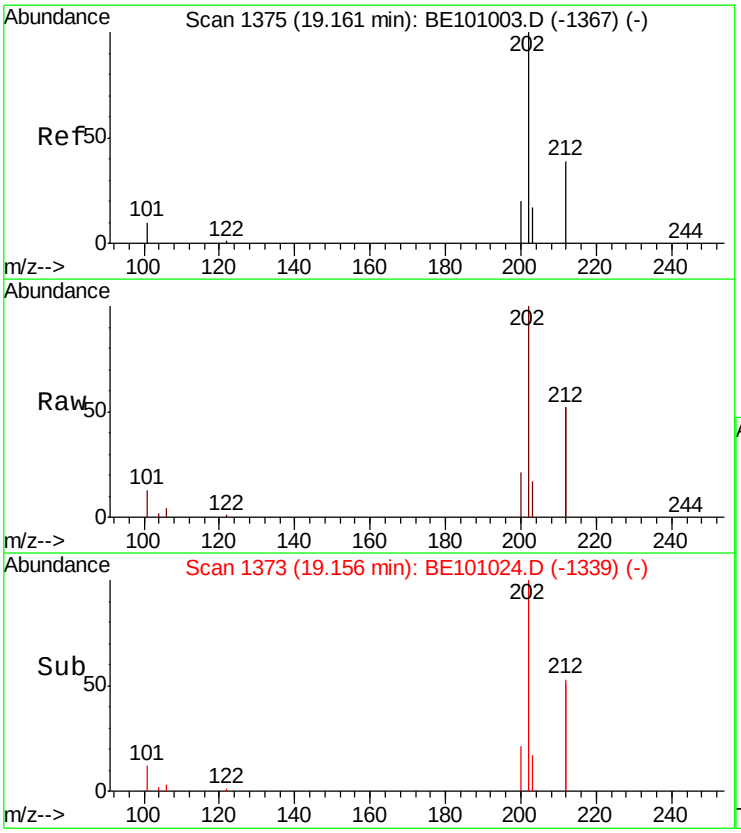
#25
Fluoranthene-d10
Concen: 0.360 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 97141

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.6	3.8
104	1.8	1.4	2.0

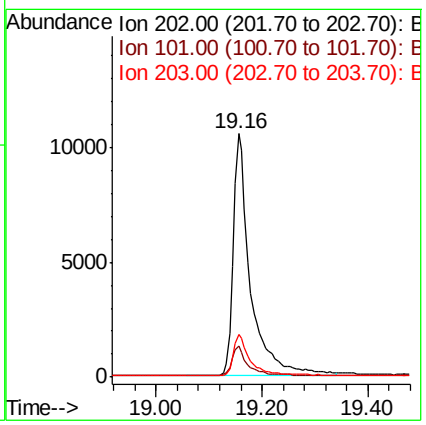


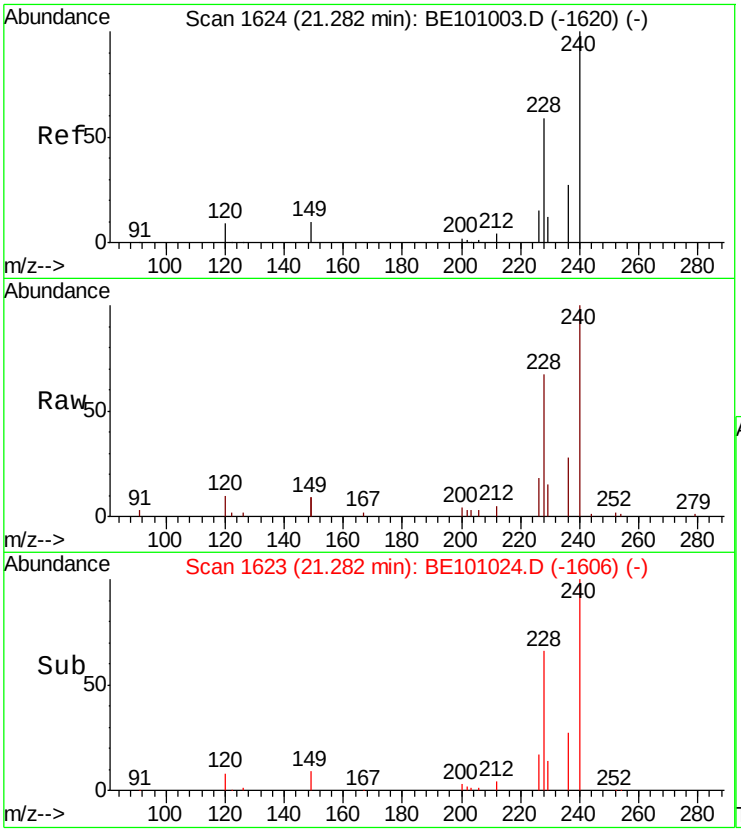


#26
Fluoranthene
Concen: 0.363 ng
RT: 19.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:202 Resp: 24148

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.6	14.4
203	16.3	13.8	20.6



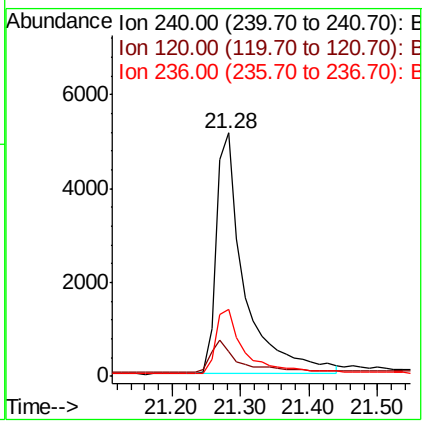


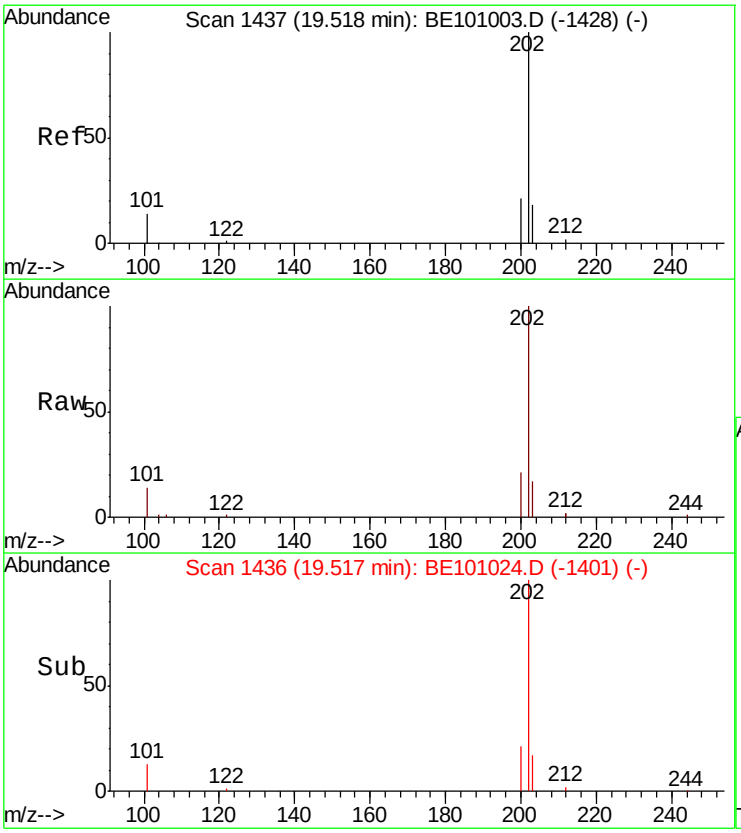
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 14648

Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.6	13.0
236	27.7	22.2	33.4

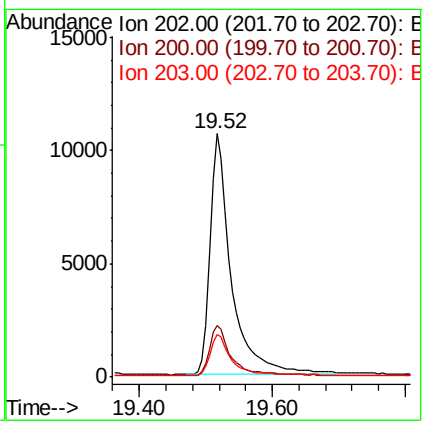


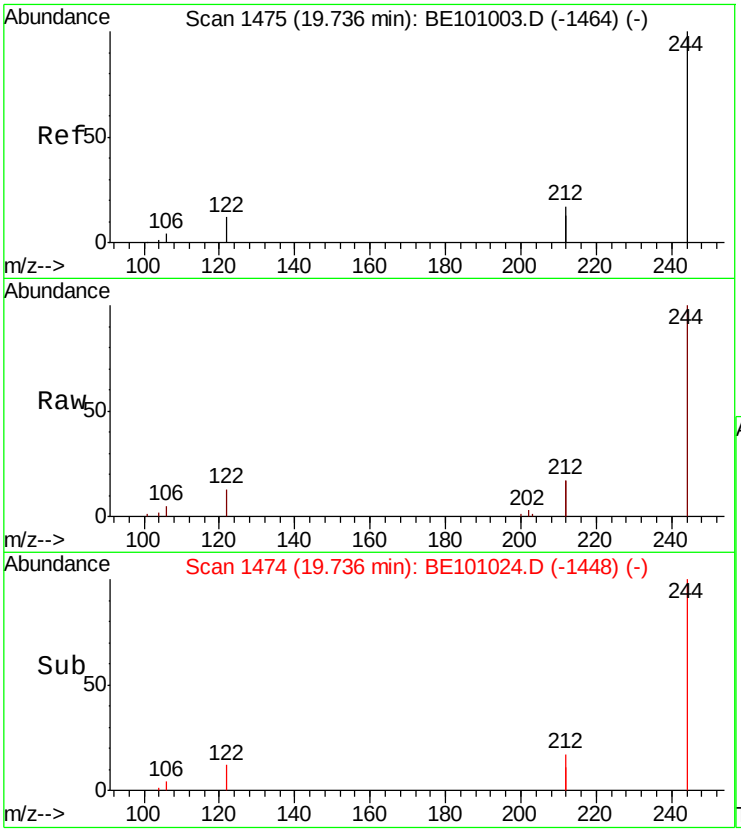


#28
Pyrene
Concen: 0.434 ng
RT: 19.52 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:202 Resp: 23687

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.4
203	17.2	13.8	20.6



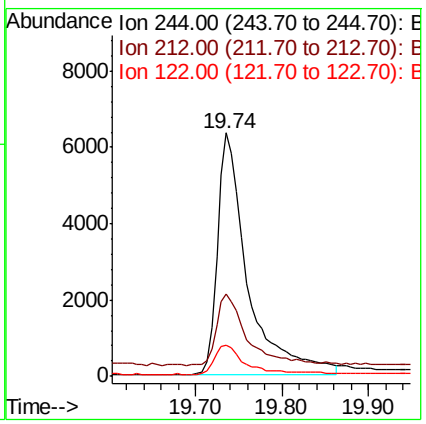


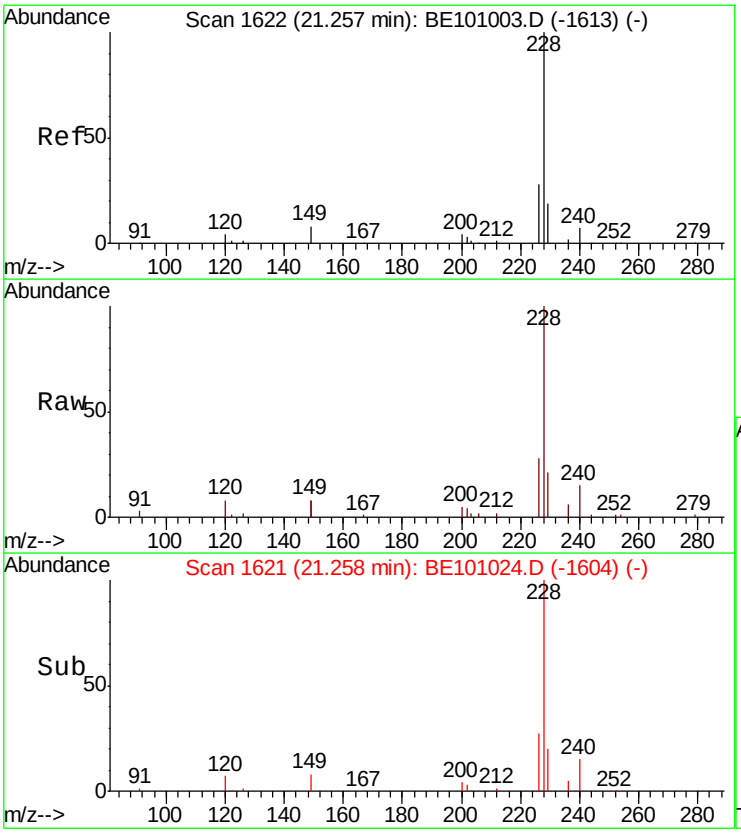
#29
Terphenyl-d14
Concen: 0.425 ng
RT: 19.74 min Scan# 1474
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 15298

Ion	Ratio	Lower	Upper
244	100		
212	33.9	27.2	40.8
122	12.9	9.8	14.8

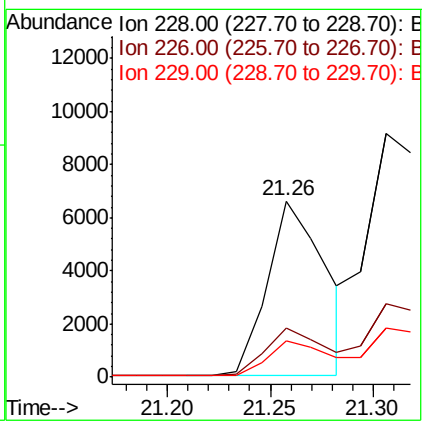


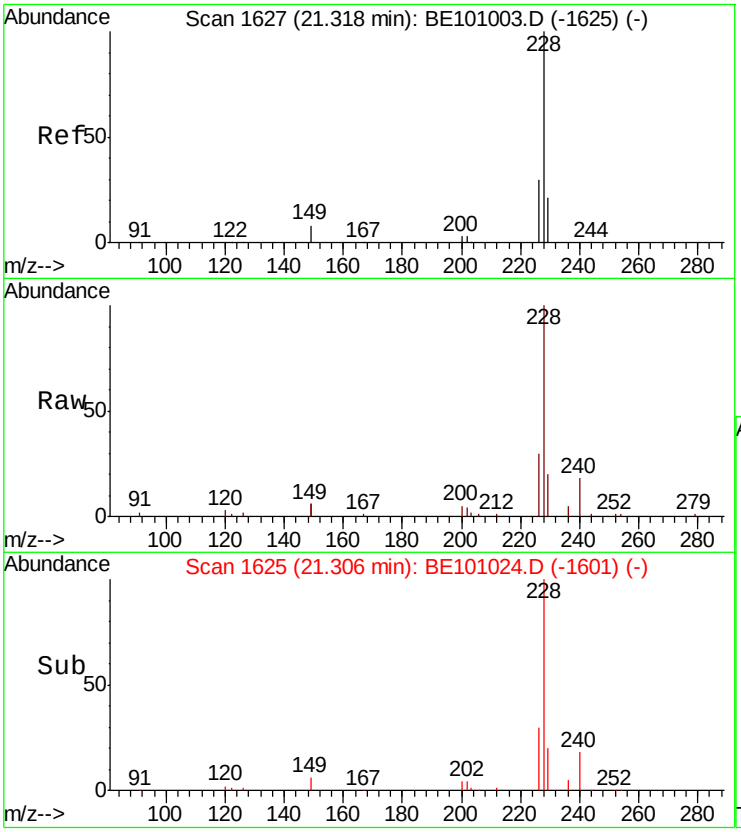


#30
Benzo(a)anthracene
Concen: 0.311 ng
RT: 21.26 min Scan# 1621
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:228 Resp: 13013

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.7	34.1
229	20.5	15.5	23.3



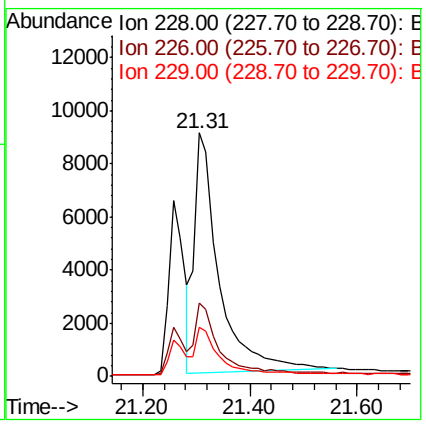


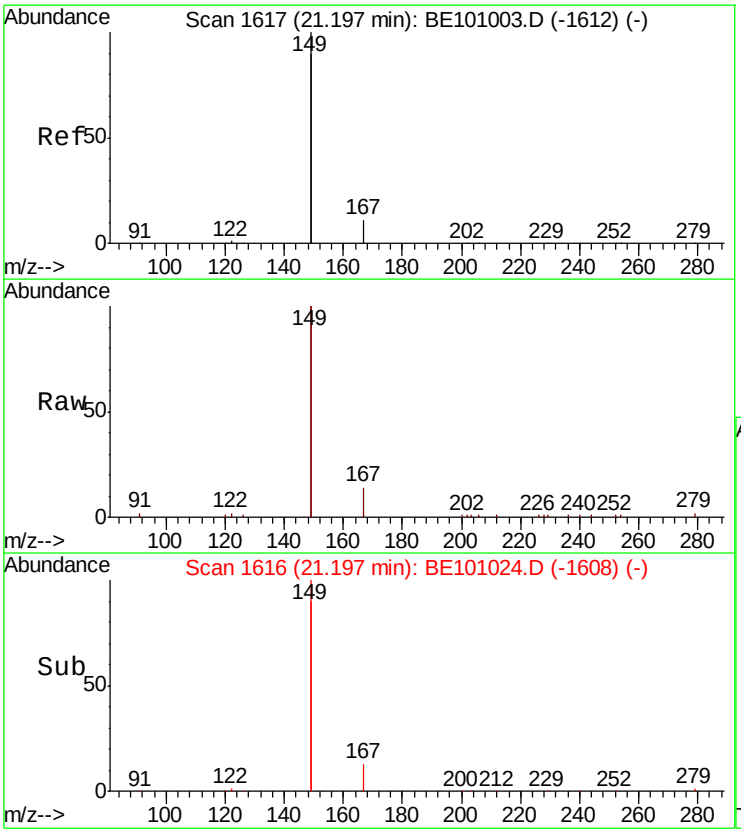
#31
Chrysene
Concen: 0.458 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 28434

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.5	35.3
229	20.0	16.7	25.1

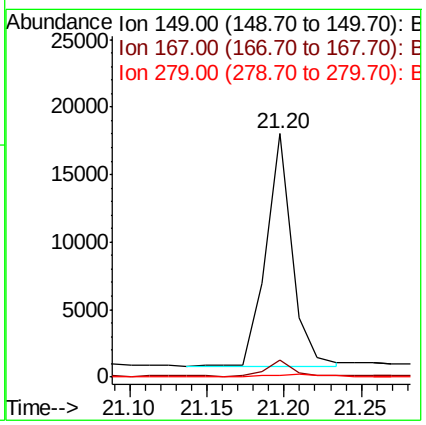


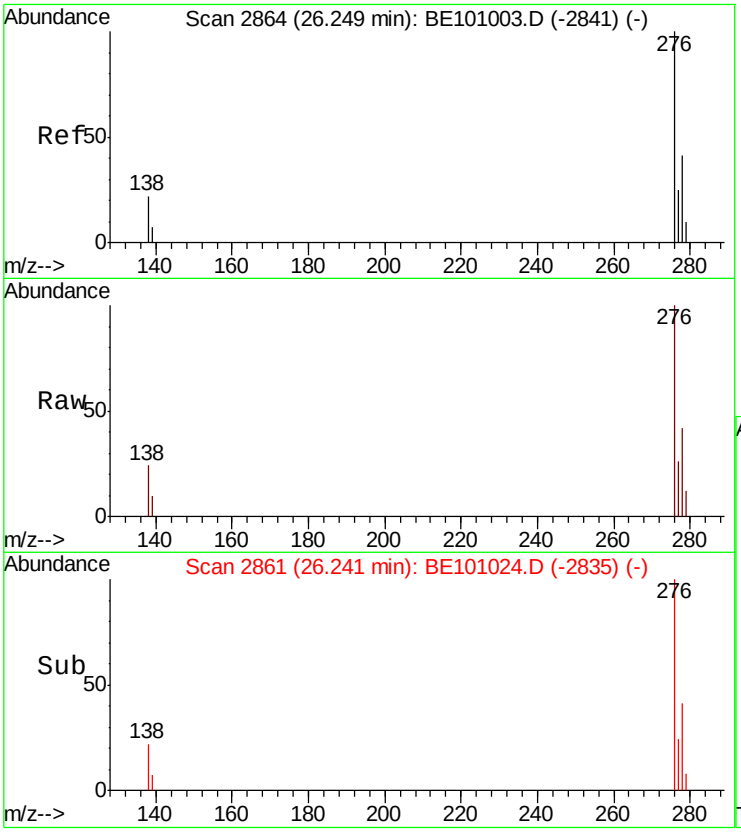


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.293 ng
RT: 21.20 min Scan# 1616
Delta R.T. 0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:149 Resp: 20396

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.2	7.8
279	1.1	0.8	1.2



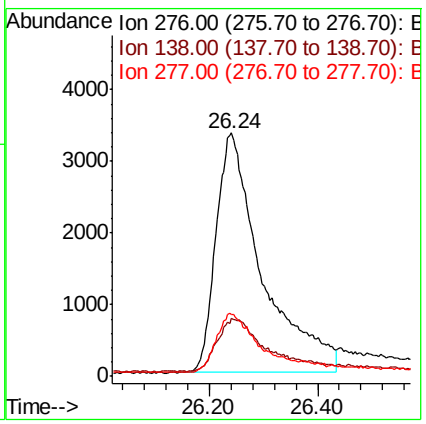


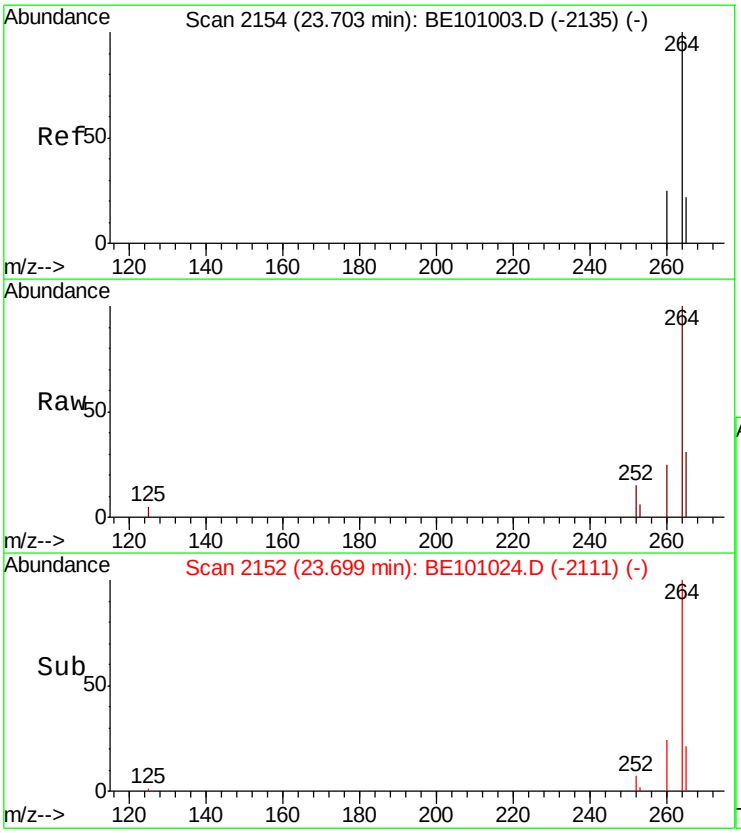
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.401 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 19688

Ion	Ratio	Lower	Upper
276	100		
138	22.5	16.1	24.1
277	22.4	18.1	27.1

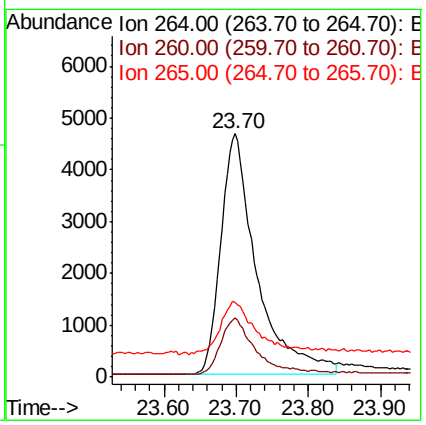


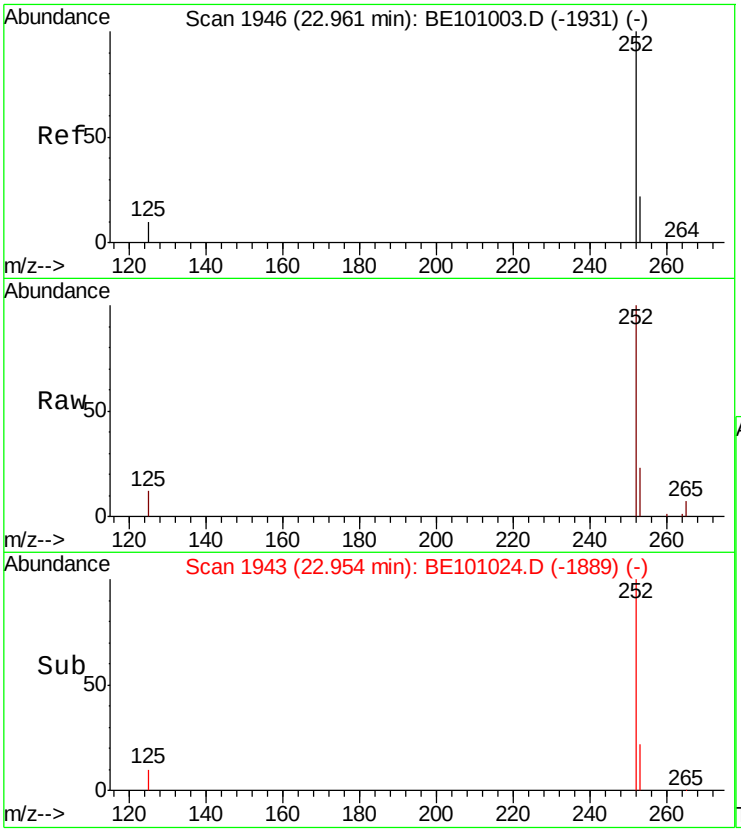


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.70 min Scan# 2152
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:264 Resp: 15880

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.3	30.5
265	30.6	27.0	40.4



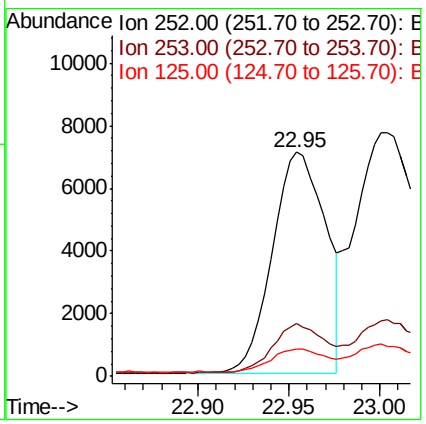


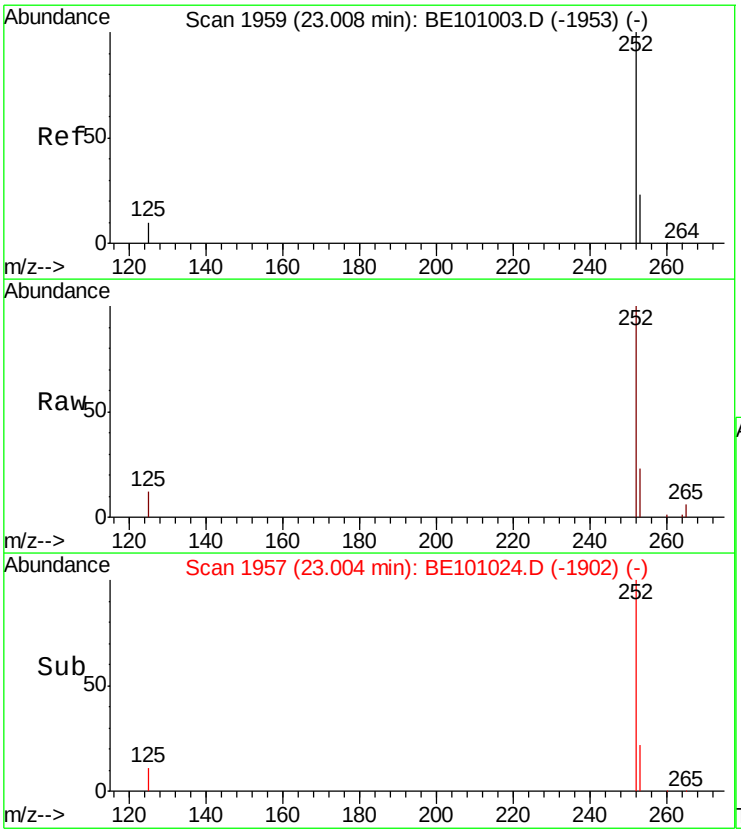
#35
Benzo(b)fluoranthene
Concen: 0.320 ng
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 14257

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	11.9	9.5	14.3

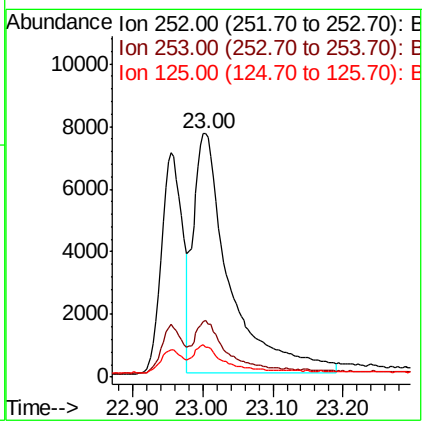


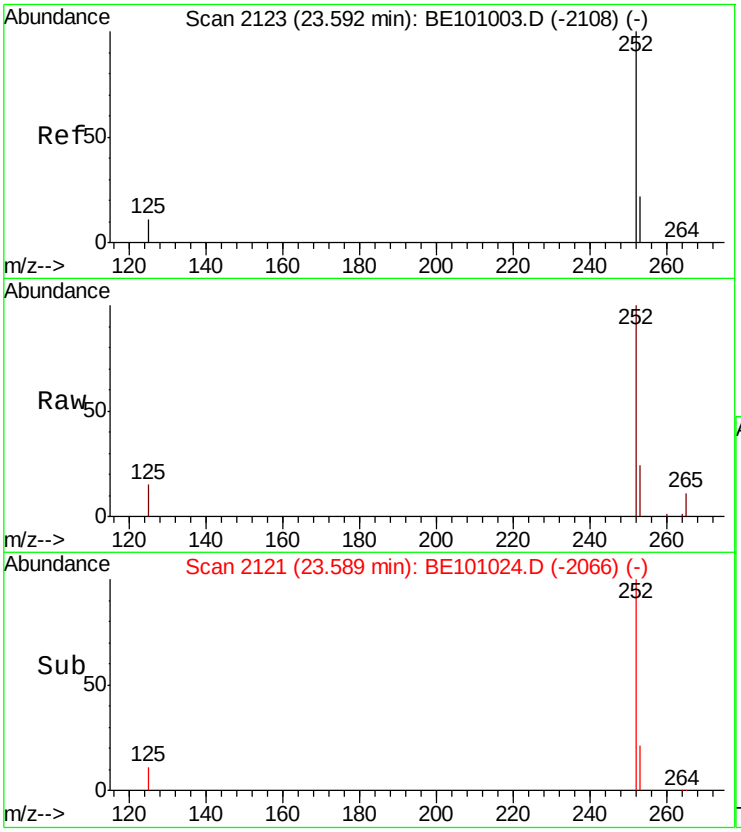


#36
Benzo(k)fluoranthene
Concen: 0.430 ng m
RT: 23.00 min Scan# 1957
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:252 Resp: 27769

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.9	28.3
125	12.5	10.1	15.1



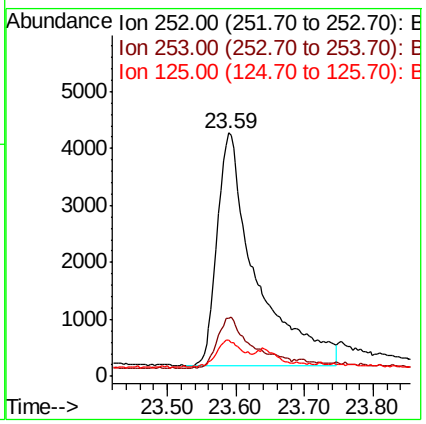


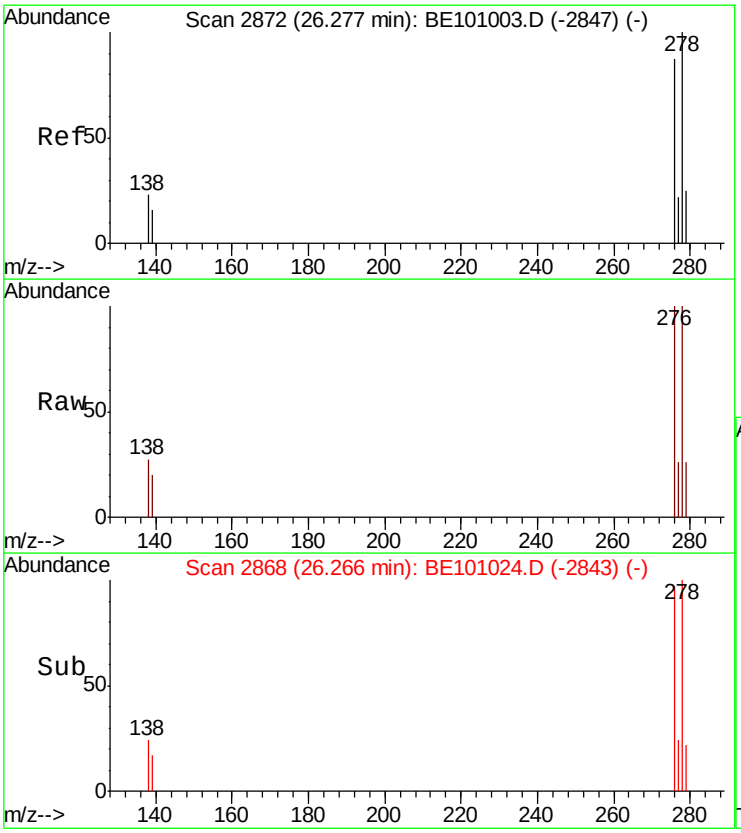
#37
Benzo(a)pyrene
Concen: 0.375 ng
RT: 23.59 min Scan# 2121
Delta R.T. -0.00 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 16159

Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.4	29.2
125	14.8	11.8	17.6

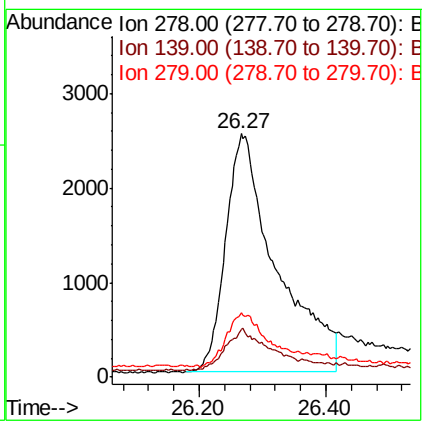


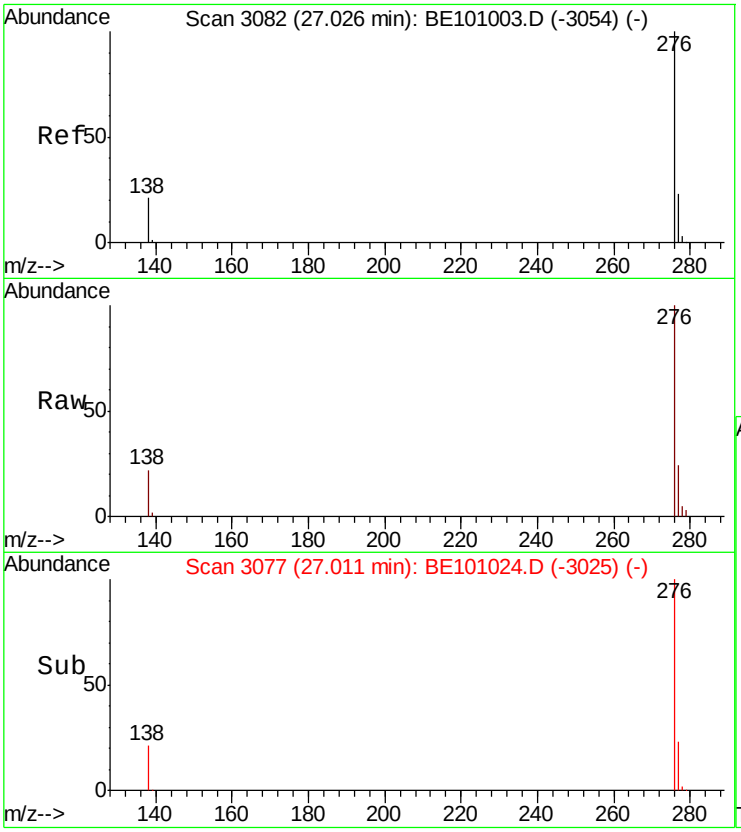


#38
Dibenzo(a,h)anthracene
Concen: 0.354 ng
RT: 26.27 min Scan# 2868
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Tgt Ion:278 Resp: 14023

Ion	Ratio	Lower	Upper
278	100		
139	19.6	15.0	22.4
279	26.3	22.6	33.8





#39
Benzo(g,h,i)perylene
Concen: 0.378 ng
RT: 27.01 min Scan# 3077
Delta R.T. -0.01 min
Lab File: BE101024.D
Acq: 10 Jan 2020 15:02

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 18406

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.2
138	22.4	17.9	26.9