Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
Data File : BE100928.D
Acq On : 16 Dec 2019 20:05
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Dec 17 06:19:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 10:42:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4372	0.40	ng		0.00
7) Naphthalene-d8	10.54	136	19966	0.40	ng		0.00
13) Acenaphthene-d10	14.39	164	11477	0.40	ng		0.00
19) Phenanthrene-d10	17.12	188	25814	0.40	ng		0.00
27) Chrysene-d12	21.29	240	22261	0.40	ng		-0.01
34) Perylene-d12	23.74	264	26226	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	5017	0.48	ng		-0.01
5) Phenol-d6	6.93	99	7340	0.47	ng		0.00
8) Nitrobenzene-d5	8.90	82	5752	0.60	ng		0.00
11) 2-Methylnaphthalene-d10	12.12	152	12461	0.43	ng		-0.01
14) 2,4,6-Tribromophenol	15.86	330	928	0.73	ng		-0.01
15) 2-Fluorobiphenyl	13.02	172	17608	0.39	ng		0.00
25) Fluoranthene-d10	19.15	212	110677	0.36	ng		0.00
29) Terphenyl-d14	19.75	244	22628	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	3537	0.444	ng		98
3) n-Nitrosodimethylamine	3.65	42	2635	0.406	ng	#	90
6) bis(2-Chloroethyl)ether	7.18	93	6632	0.438	ng		97
9) Naphthalene	10.57	128	91578	0.432	ng		100
10) Hexachlorobutadiene	10.89	225	3514	0.425	ng		98
12) 2-Methylnaphthalene	12.20	142	14615	0.441	ng		96
16) Acenaphthylene	14.11	152	20644	0.435	ng		99
17) Acenaphthene	14.44	154	13982	0.427	ng		99
18) Fluorene	15.42	166	18170	0.431	ng		98
20) 4-Bromophenyl-phenylether	16.32	248	5193	0.410	ng		90
21) Hexachlorobenzene	16.44	284	5713	0.415	ng		98
22) Pentachlorophenol	16.77	266	775	0.814	ng		92
23) Phenanthrene	17.16	178	32963	0.422	ng		99
24) Anthracene	17.25	178	26792	0.410	ng		100
26) Fluoranthene	19.18	202	34587	0.371	ng		100
28) Pyrene	19.54	202	34483	0.477	ng		99
30) Benzo(a)anthracene	21.28	228	30100	0.459	ng		99
31) Chrysene	21.33	228	34702	0.450	ng		99
32) Bis(2-ethylhexyl)phthalate	21.23	149	35683	0.749	ng		100
33) Indeno(1,2,3-cd)pyrene	26.31	276	31169	0.464	ng		99
35) Benzo(b)fluoranthene	22.99	252	29761	0.415	ng		99
36) Benzo(k)fluoranthene	23.04	252	33268	0.413	ng		99
37) Benzo(a)pyrene	23.63	252	25876	0.416	ng		99
38) Dibenzo(a,h)anthracene	26.33	278	25110	0.406	ng		99
39) Benzo(g,h,i)perylene	27.09	276	27613	0.418	ng		98

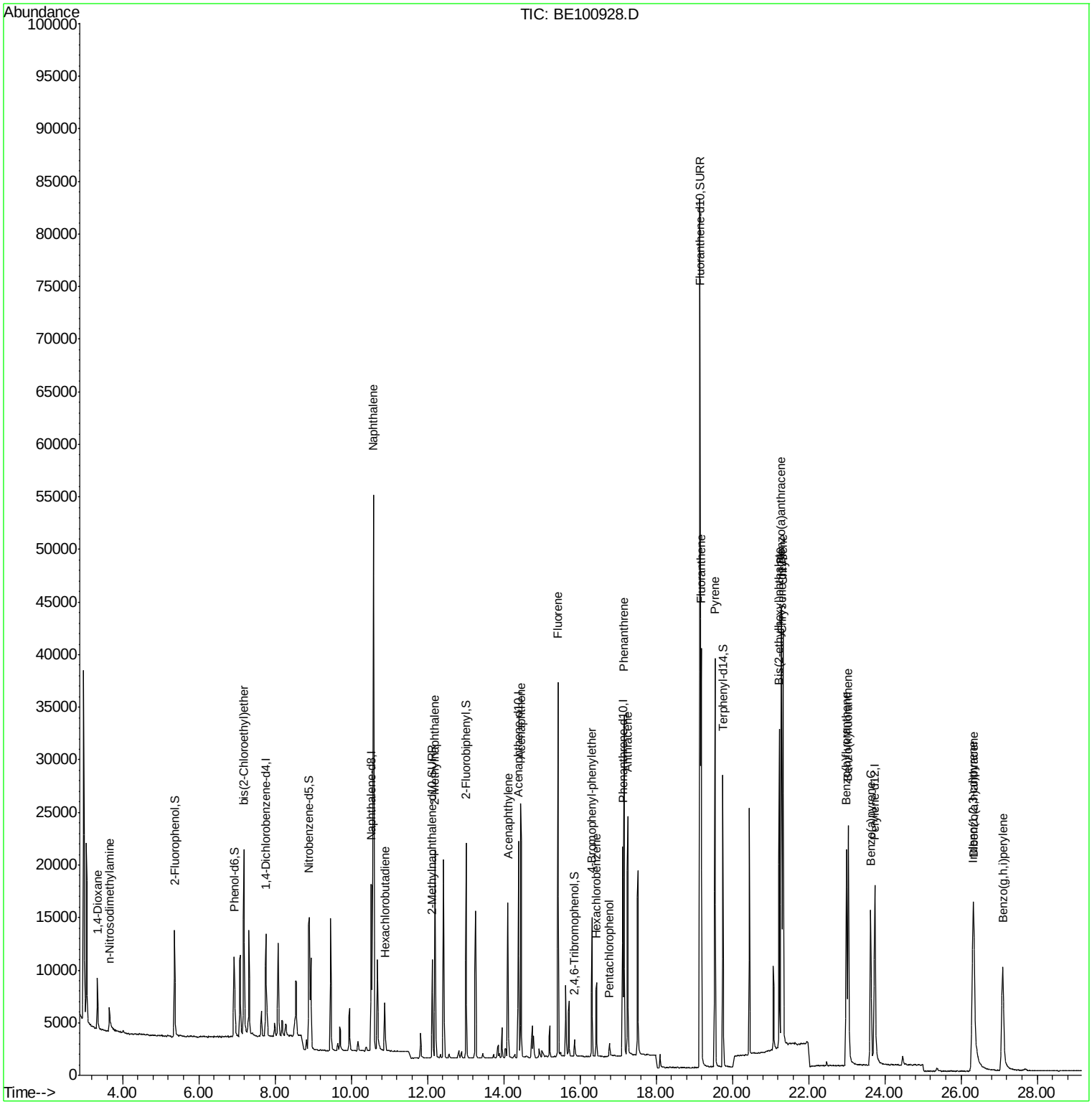
(#) = qualifier out of range (m) = manual integration (+) = signals summed

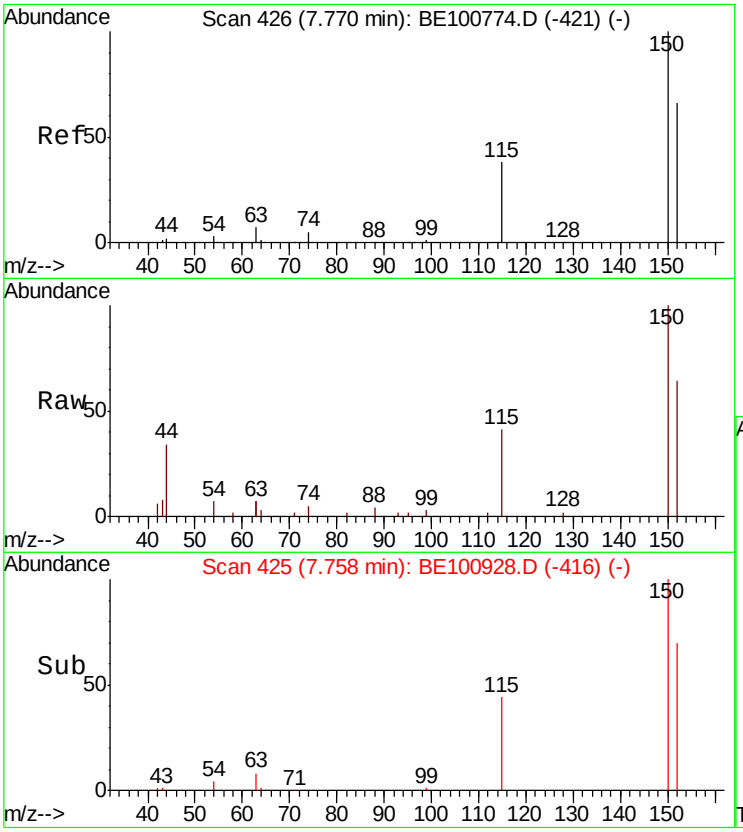
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
Data File : BE100928.D
Acq On : 16 Dec 2019 20:05
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 17 06:19:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 10:42:38 2019
Response via : Initial Calibration



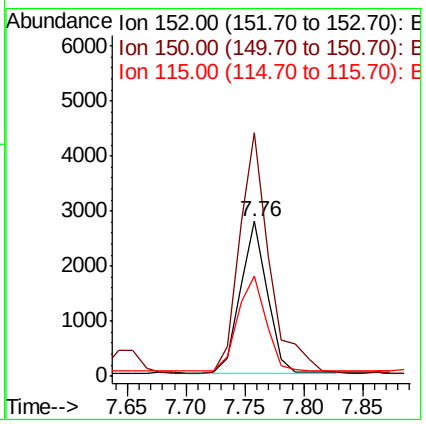


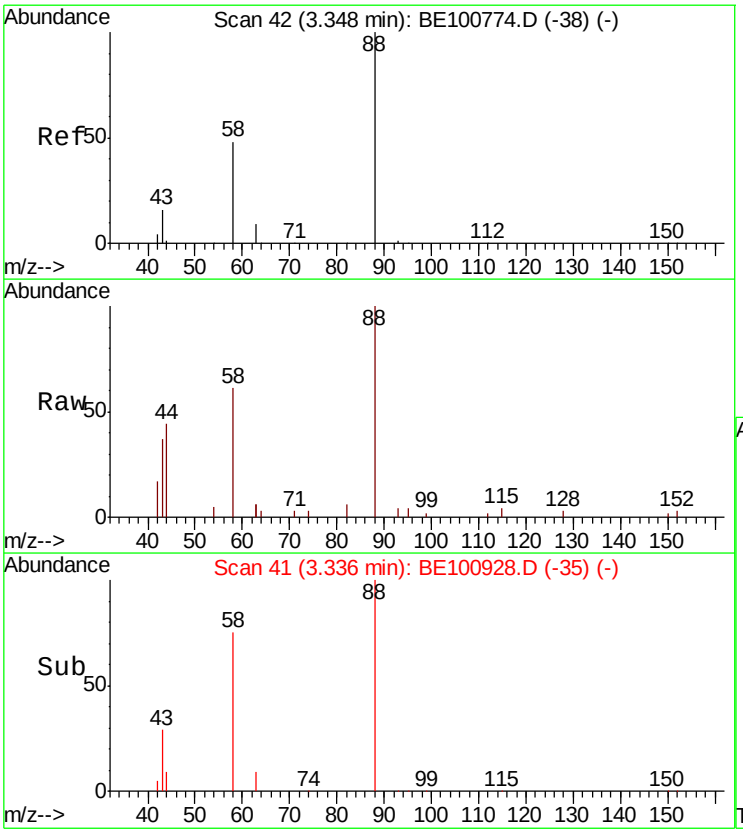
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4372

Ion	Ratio	Lower	Upper
152	100		
150	157.2	125.5	188.3
115	64.8	55.7	83.5

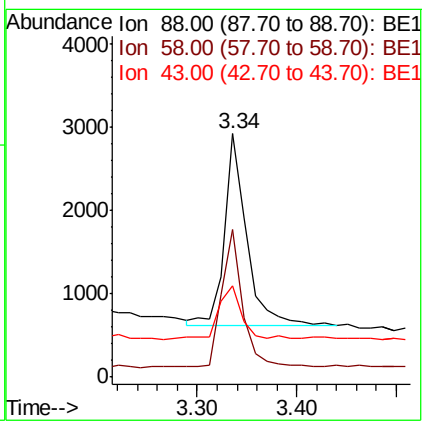


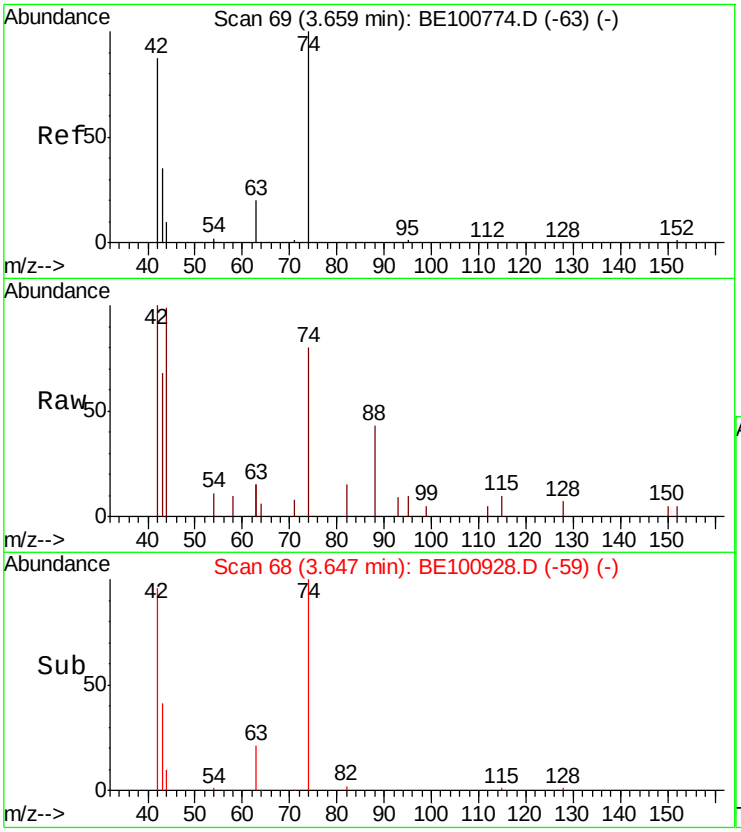


#2
1,4-Dioxane
Concen: 0.444 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion: 88 Resp: 3537

Ion	Ratio	Lower	Upper
88	100		
58	66.6	52.3	78.5
43	27.0	23.5	35.3



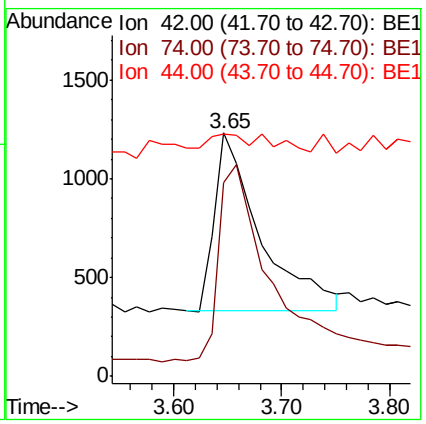


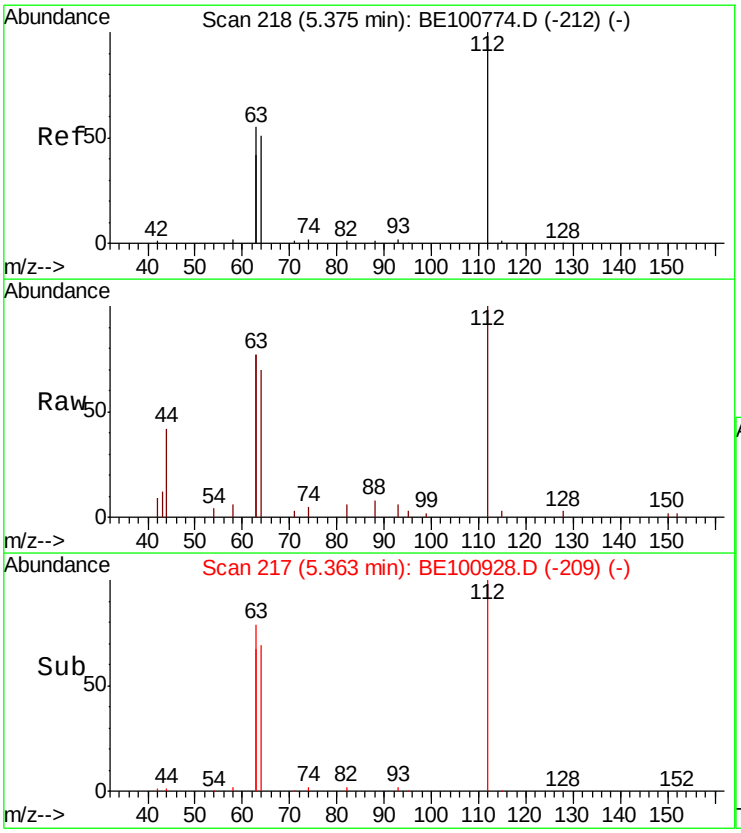
#3
n-Nitrosodimethylamine
Concen: 0.406 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 2635

Ion	Ratio	Lower	Upper
42	100		
74	122.8	90.3	135.5
44	6.1	9.0	13.4#

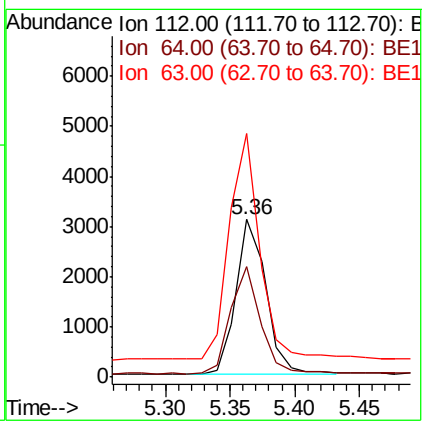


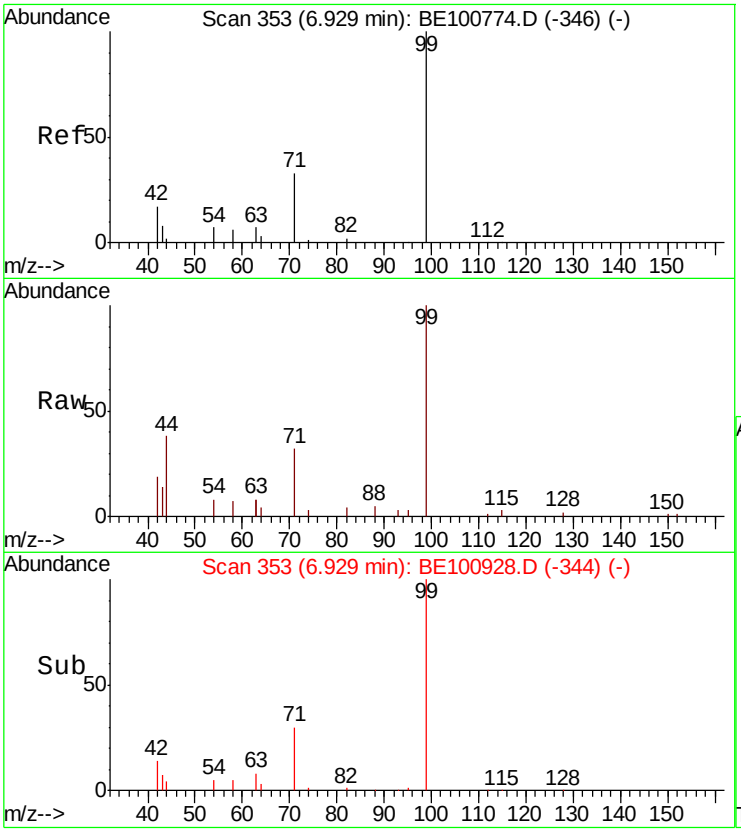


#4
2-Fluorophenol
Concen: 0.484 ng
RT: 5.36 min Scan# 217
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:112 Resp: 5017

Ion	Ratio	Lower	Upper
112	100		
64	68.2	54.5	81.7
63	144.8	116.1	174.1



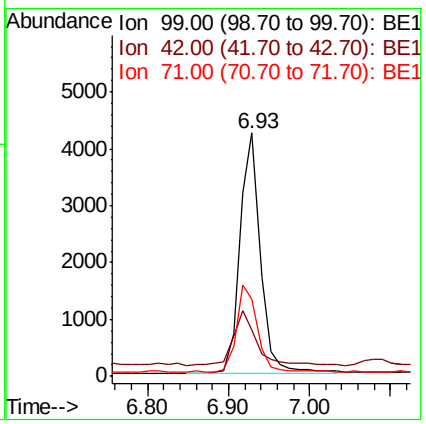


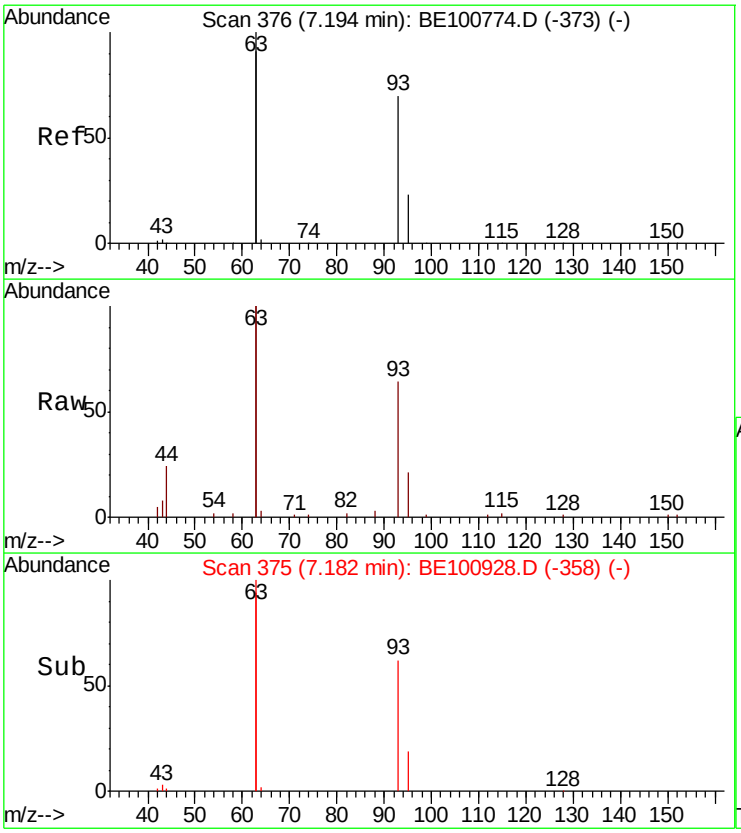
#5
Phenol-d6
Concen: 0.469 ng
RT: 6.93 min Scan# 353
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 7340

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.2	27.2
71	37.3	29.1	43.7

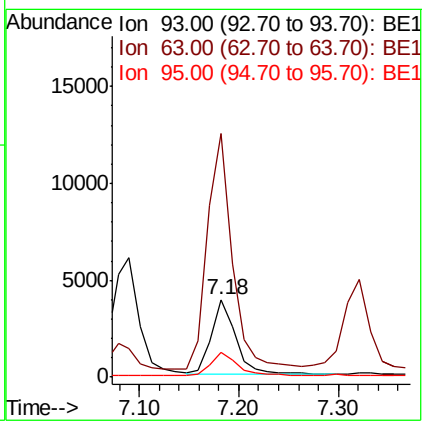


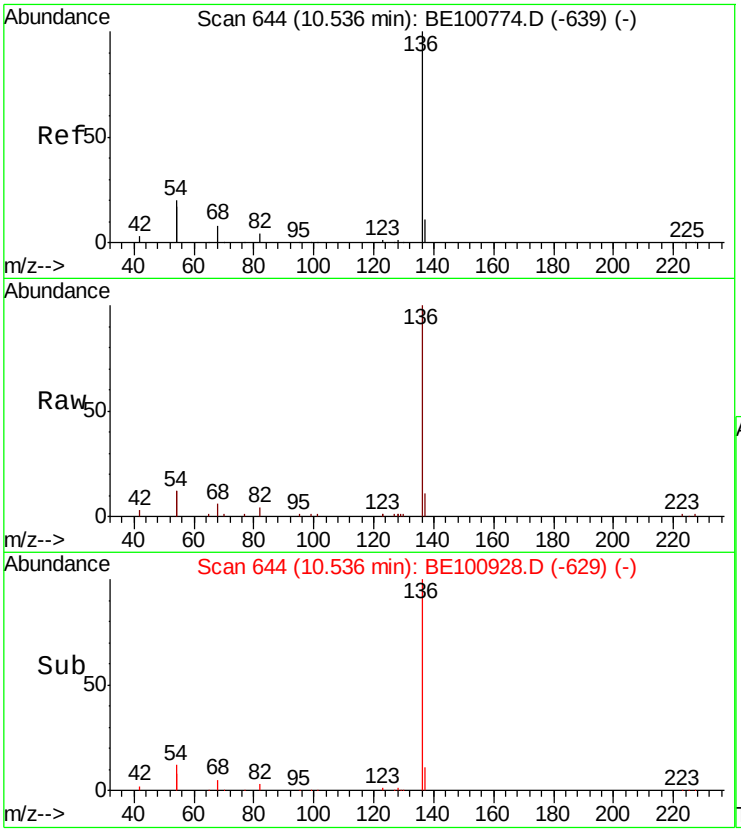


#6
bis(2-Chloroethyl)ether
Concen: 0.438 ng
RT: 7.18 min Scan# 375
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion: 93 Resp: 6632

Ion	Ratio	Lower	Upper
93	100		
63	322.3	253.9	380.9
95	33.3	25.0	37.6



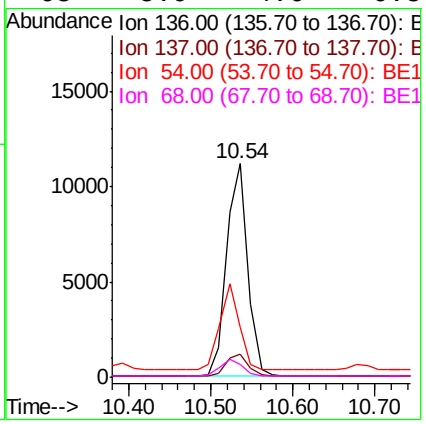


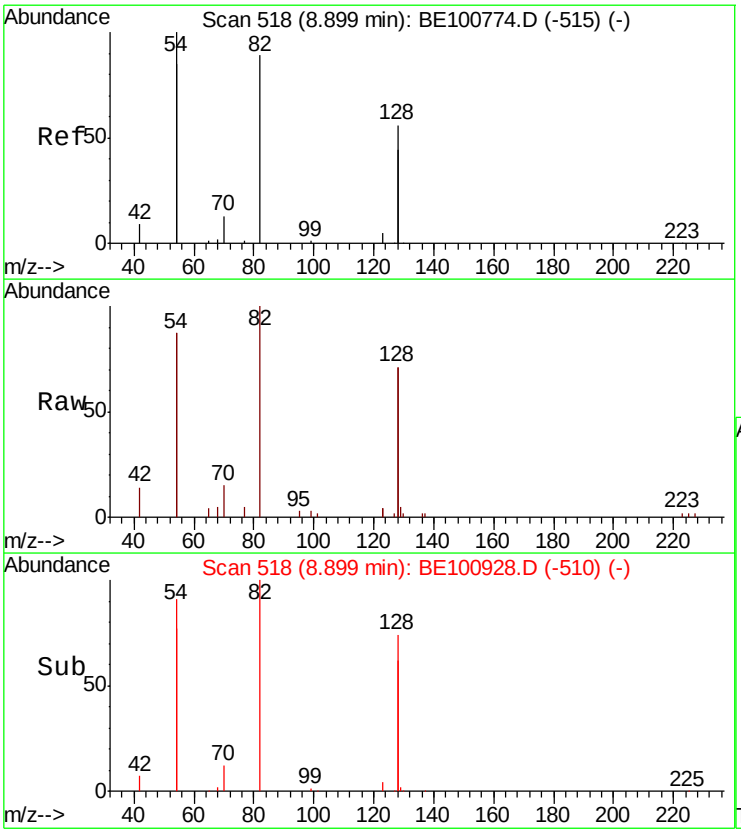
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 644
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 19966

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	23.4	18.9	28.3
68	5.9	4.6	6.8

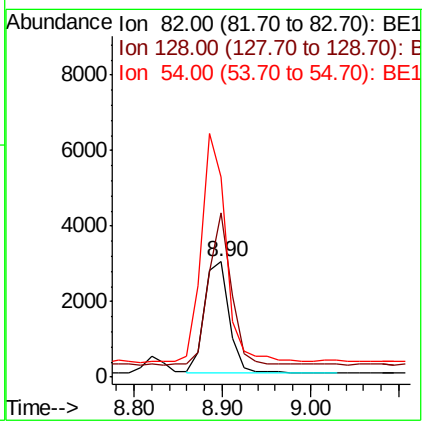


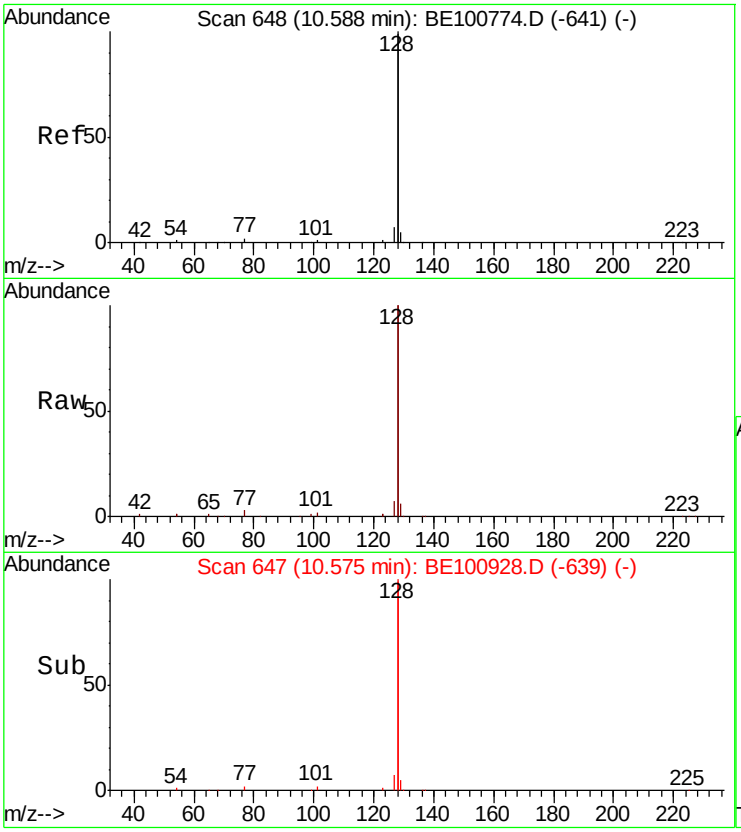


#8
Nitrobenzene-d5
Concen: 0.605 ng
RT: 8.90 min Scan# 518
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion: 82 Resp: 5752

Ion	Ratio	Lower	Upper
82	100		
128	142.2	113.5	170.3
54	174.3	138.9	208.3



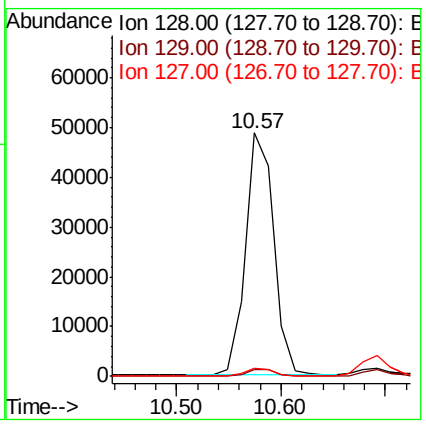


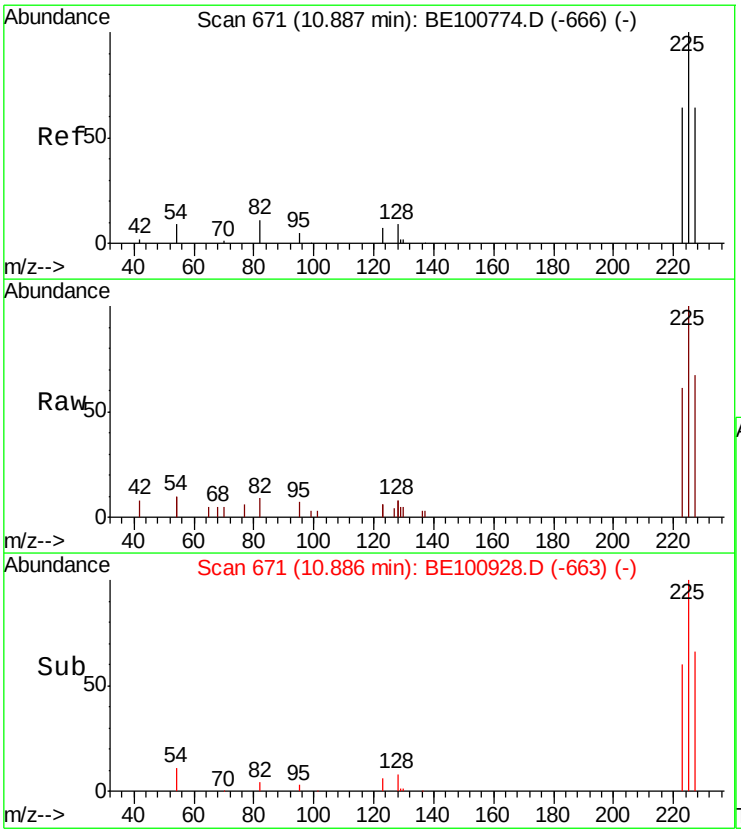
#9
Naphthalene
Concen: 0.432 ng
RT: 10.57 min Scan# 647
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 91578

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.4
127	3.5	2.8	4.2

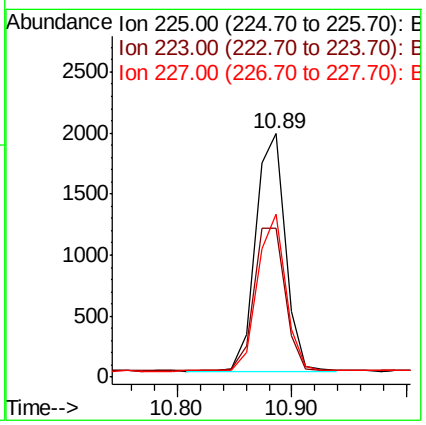


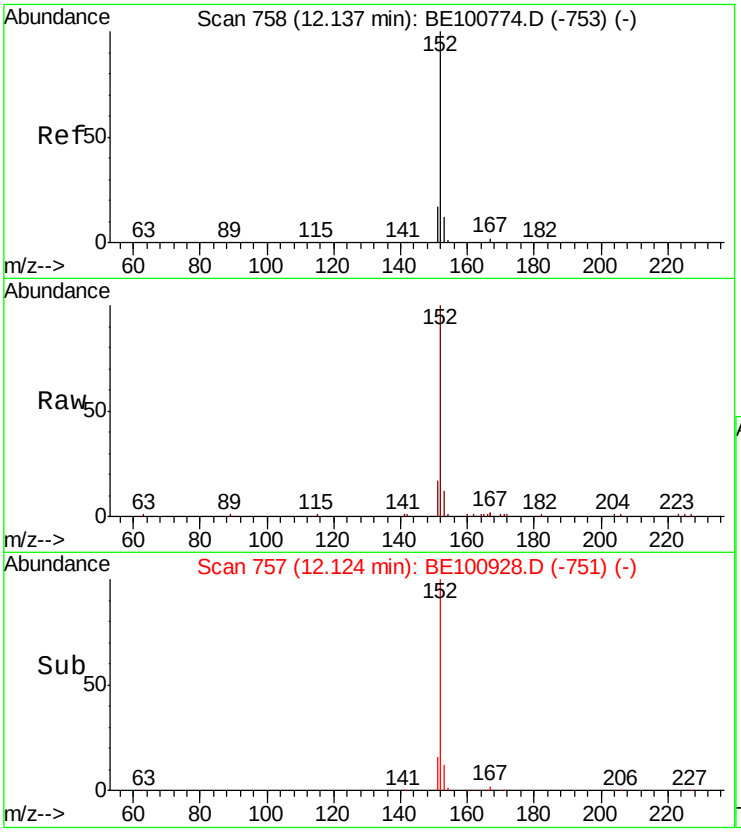


#10
Hexachlorobutadiene
Concen: 0.425 ng
RT: 10.89 min Scan# 671
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:225 Resp: 3514

Ion	Ratio	Lower	Upper
225	100		
223	63.2	52.1	78.1
227	62.6	51.1	76.7



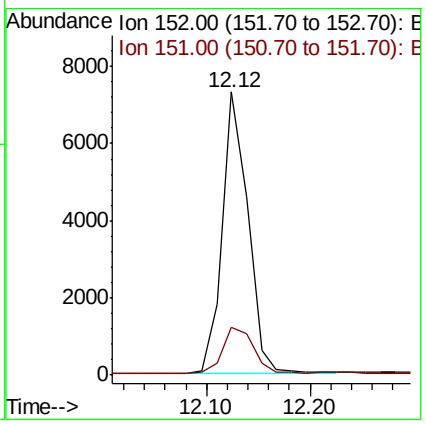


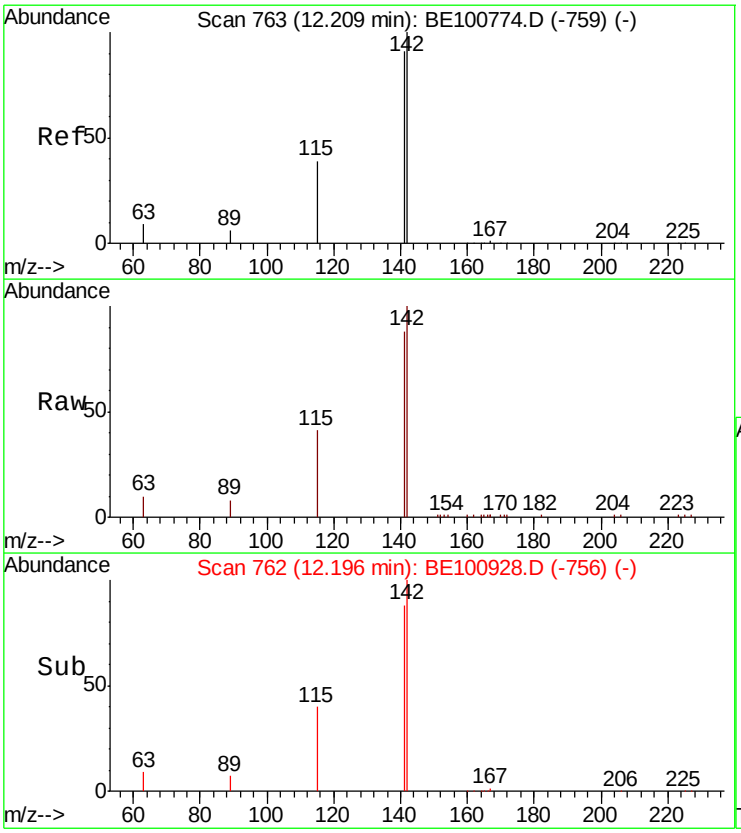
#11
2-Methylnaphthalene-d10
Concen: 0.431 ng
RT: 12.12 min Scan# 757
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 12461

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.1	22.7

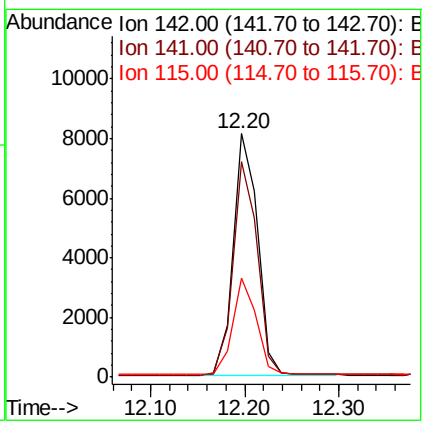


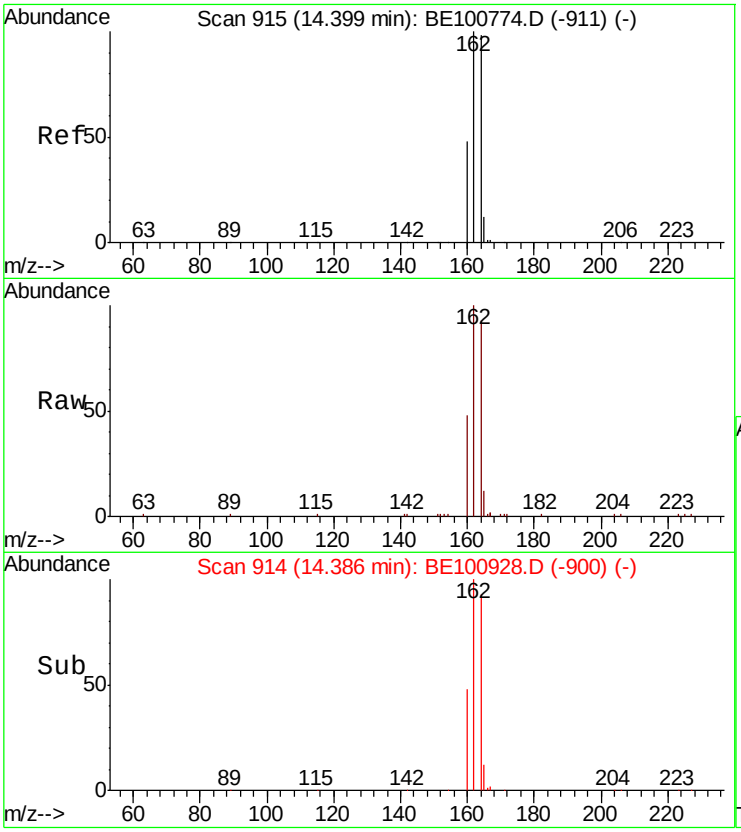


#12
2-Methylnaphthalene
Concen: 0.441 ng
RT: 12.20 min Scan# 762
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:142 Resp: 14615

Ion	Ratio	Lower	Upper
142	100		
141	88.4	68.9	103.3
115	40.8	29.5	44.3



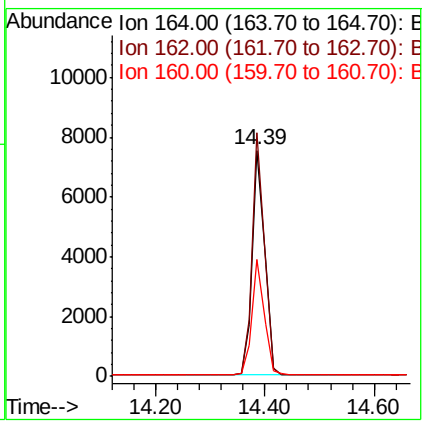


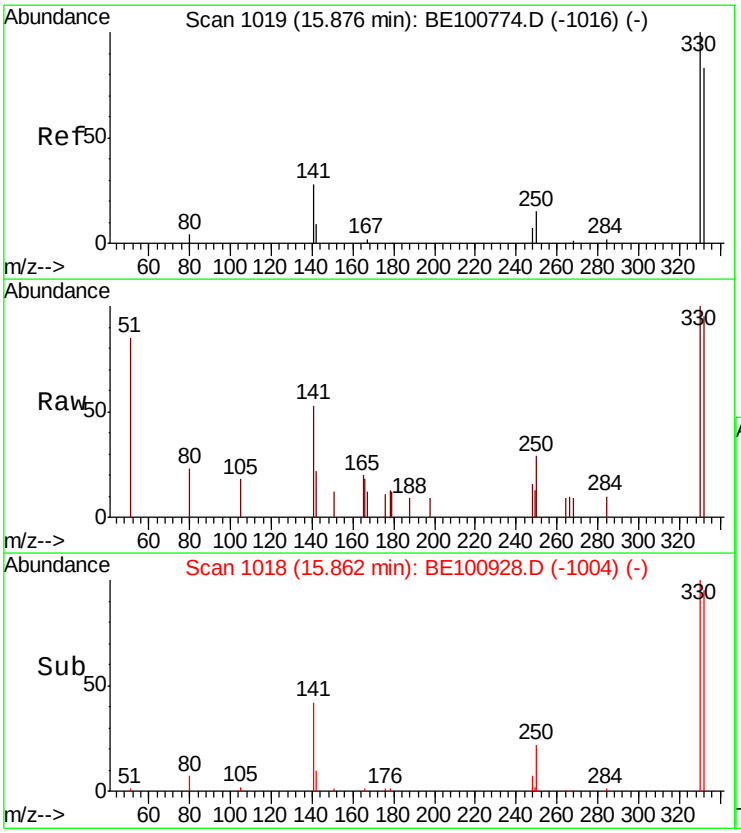
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.39 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 11477

Ion	Ratio	Lower	Upper
164	100		
162	107.7	86.0	129.0
160	52.0	42.3	63.5

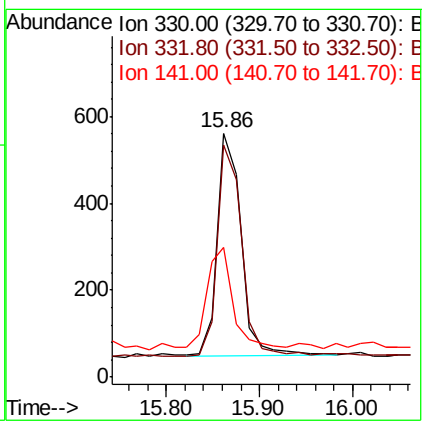


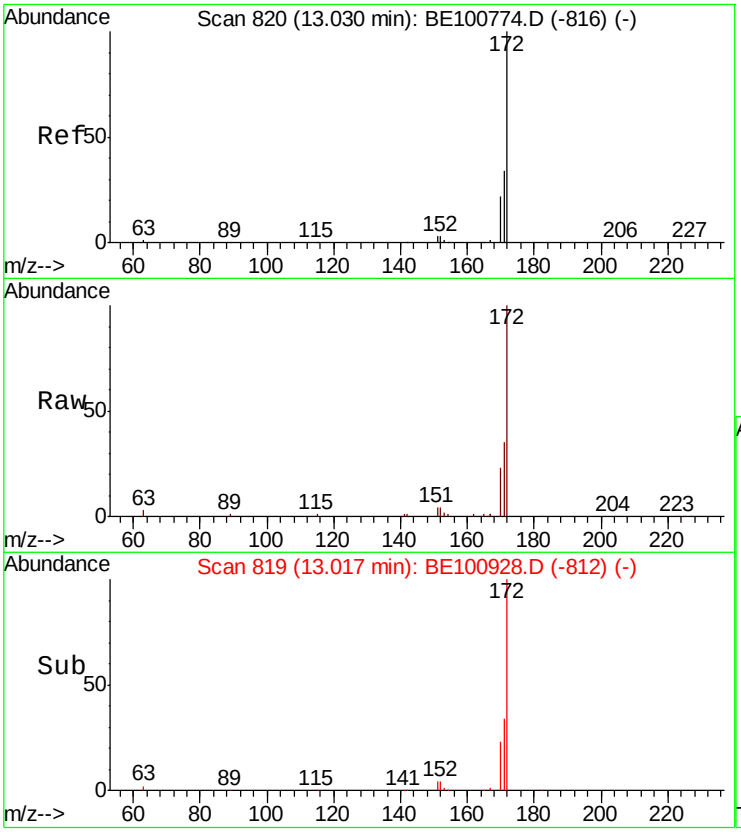


#14
2,4,6-Tribromophenol
Concen: 0.727 ng
RT: 15.86 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:330 Resp: 928

Ion	Ratio	Lower	Upper
330	100		
332	97.1	74.1	111.1
141	52.7	46.7	70.1



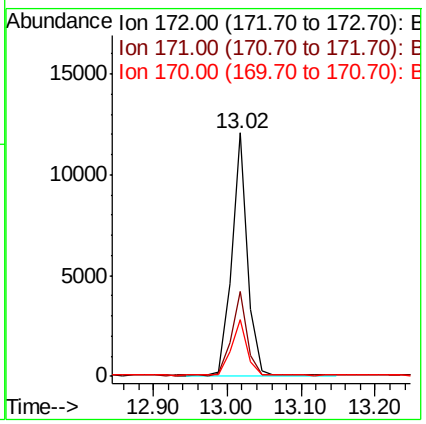


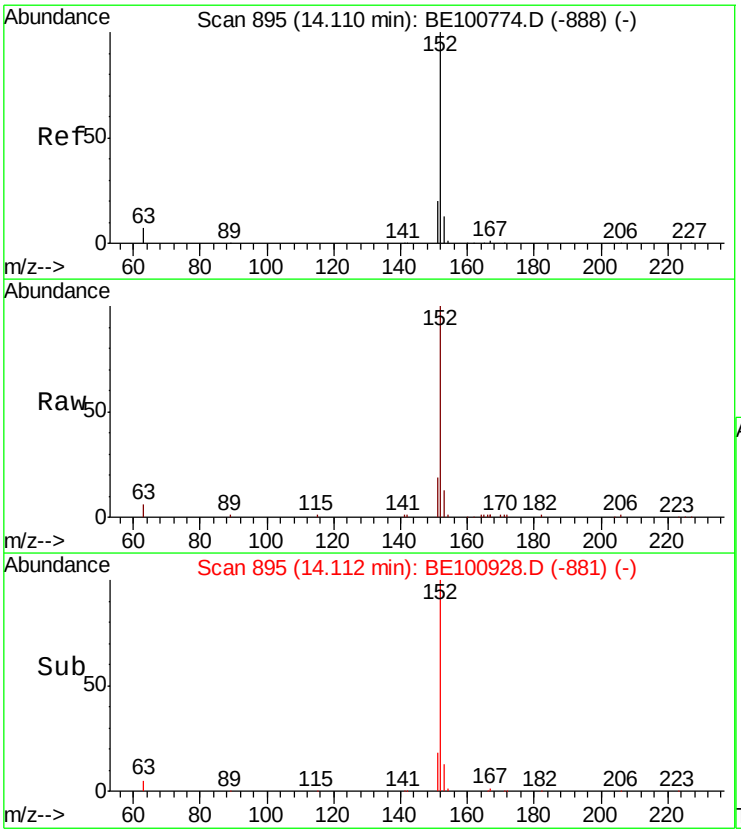
#15
2-Fluorobiphenyl
Concen: 0.387 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 17608

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.2	42.4
170	23.3	19.4	29.0

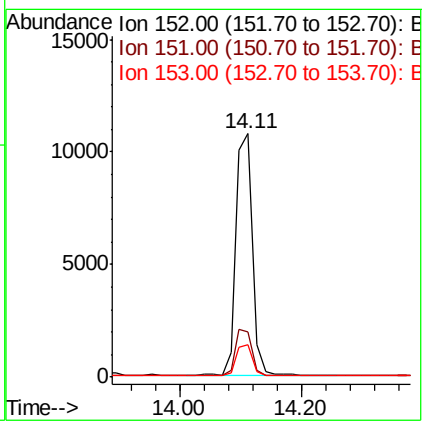


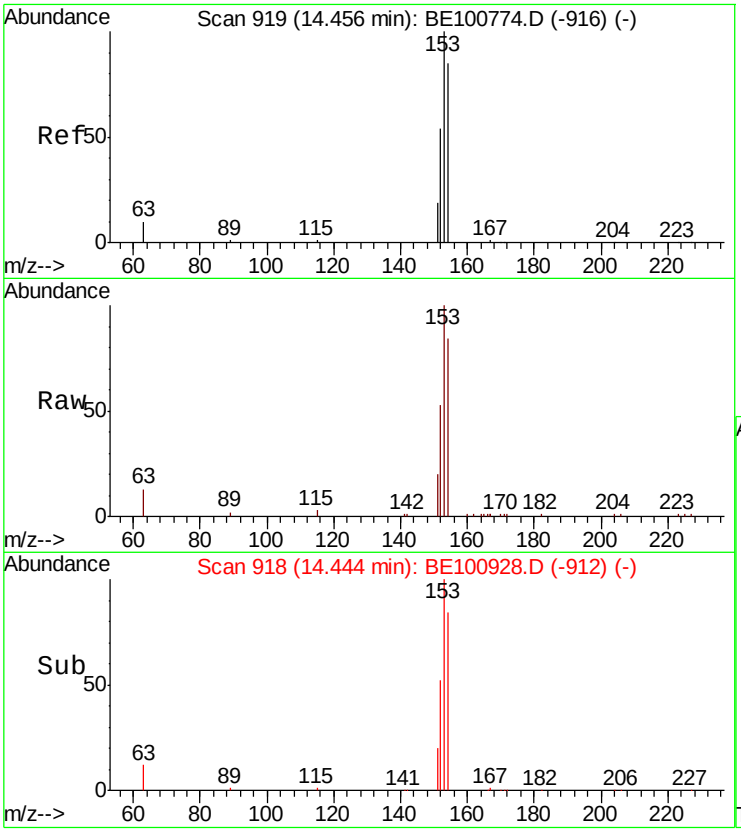


#16
Acenaphthylene
Concen: 0.435 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:152 Resp: 20644

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	12.7	10.5	15.7



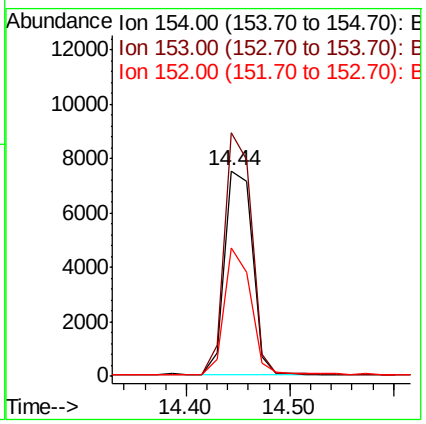


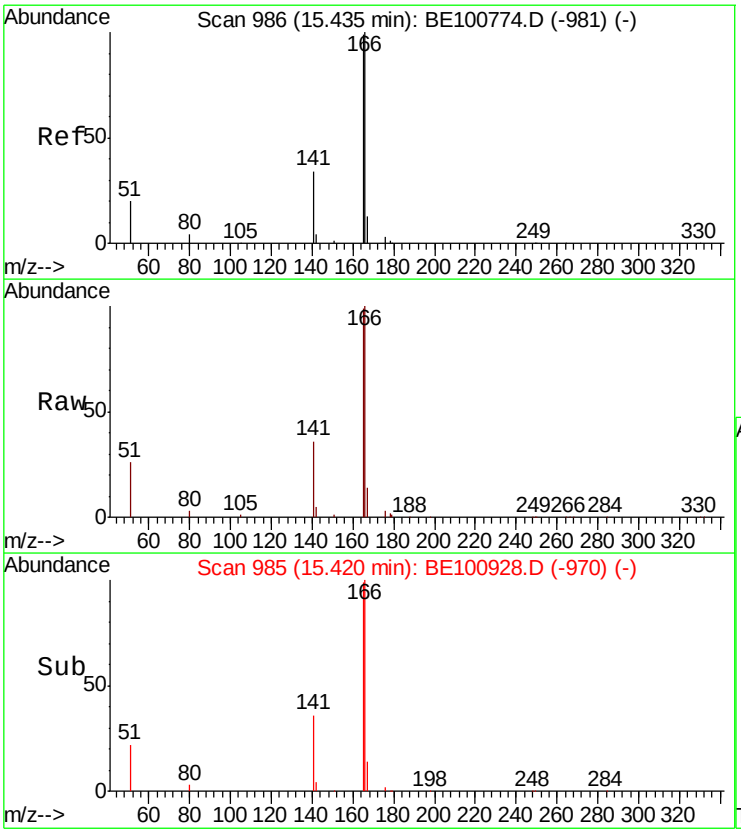
#17
Acenaphthene
Concen: 0.427 ng
RT: 14.44 min Scan# 918
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 13982

Ion	Ratio	Lower	Upper
154	100		
153	116.2	91.5	137.3
152	58.8	47.7	71.5

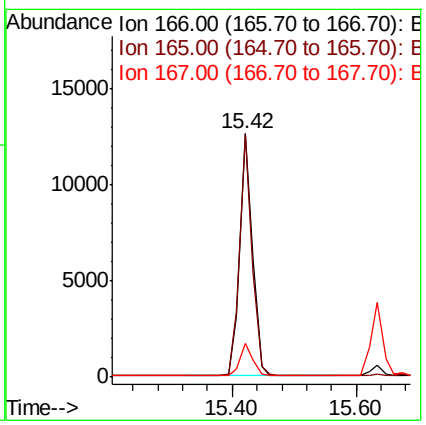


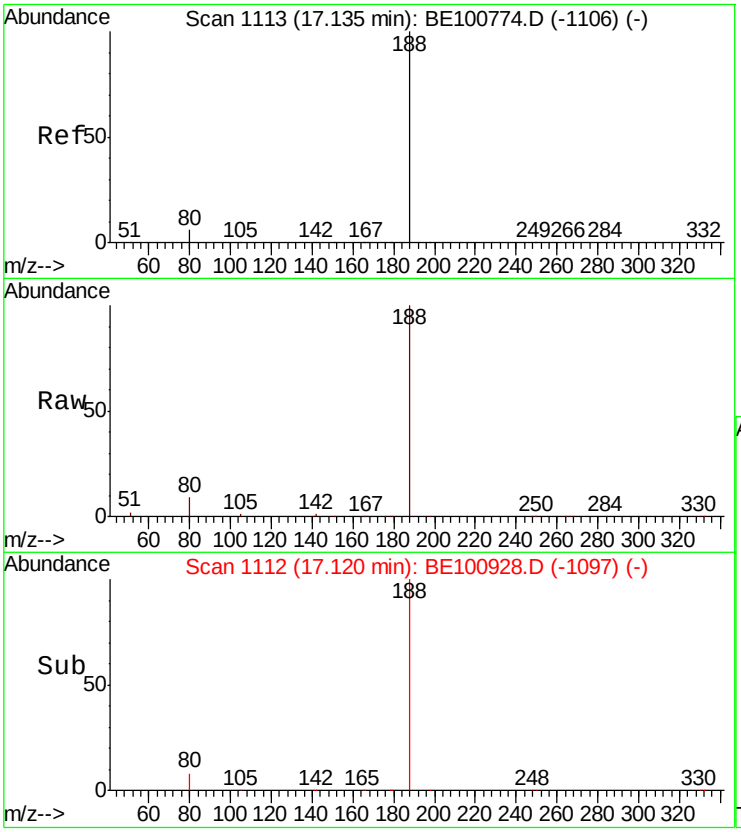


#18
Fluorene
Concen: 0.431 ng
RT: 15.42 min Scan# 985
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:166 Resp: 18170

Ion	Ratio	Lower	Upper
166	100		
165	97.8	80.2	120.4
167	13.2	10.6	16.0



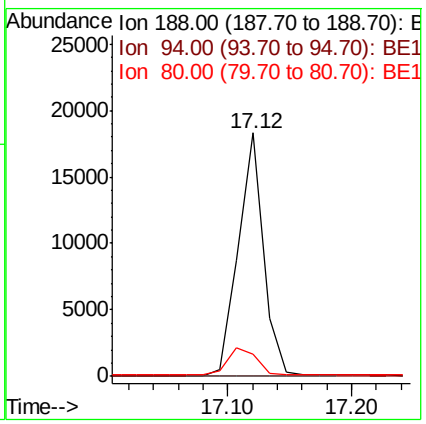


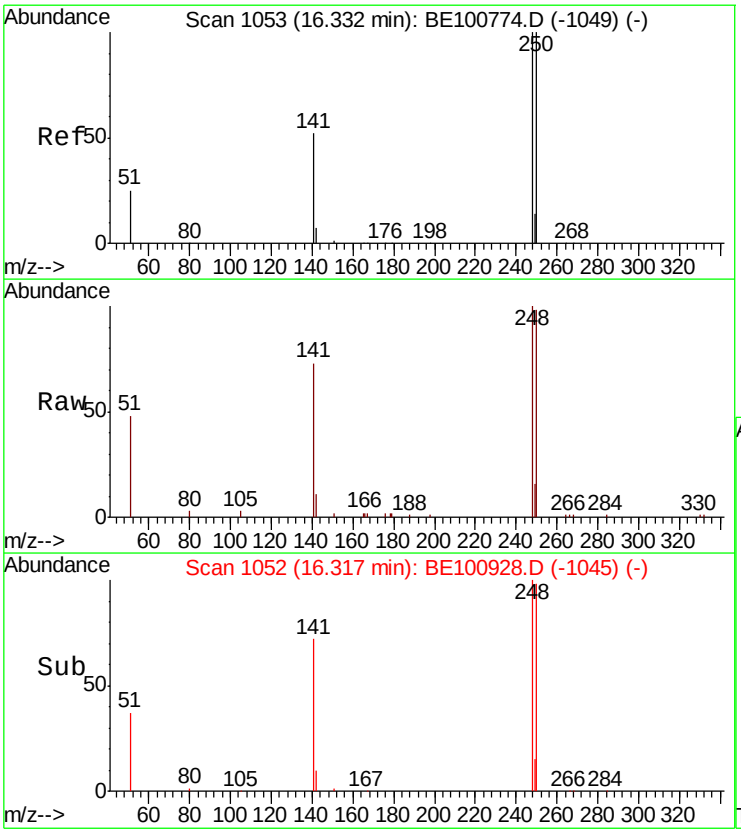
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 25814

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.9	11.9

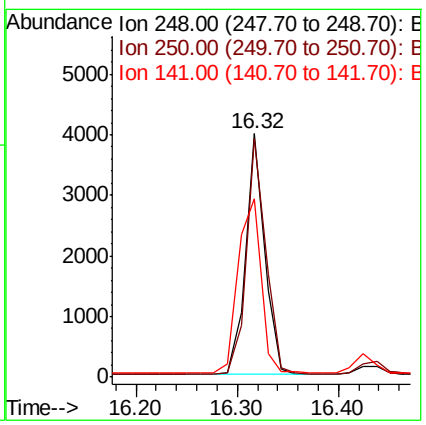


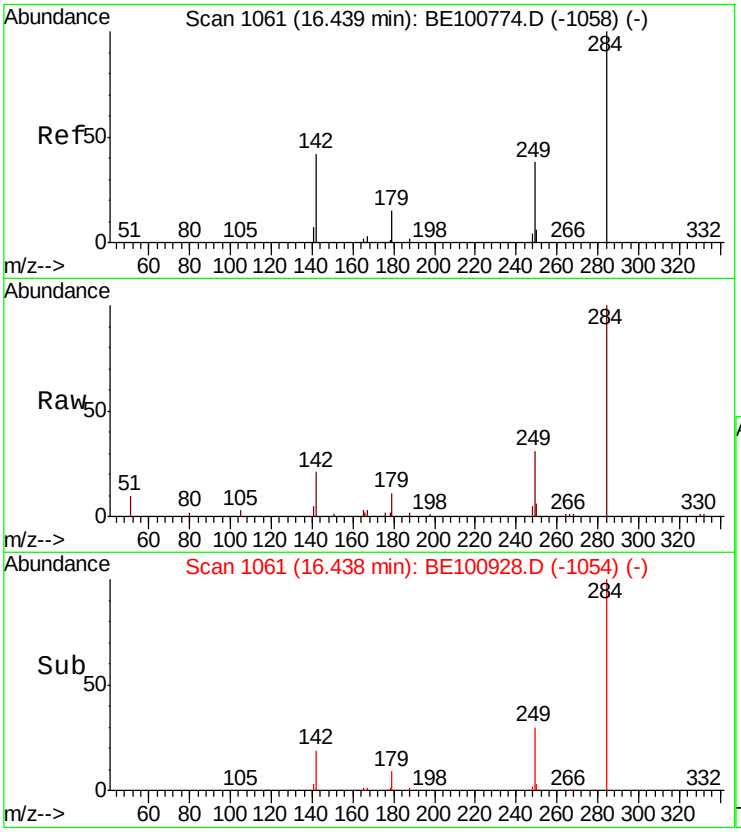


#20
4-Bromophenyl-phenylether
Concen: 0.410 ng
RT: 16.32 min Scan# 1052
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:248 Resp: 5193

Ion	Ratio	Lower	Upper
248	100		
250	97.7	72.4	108.6
141	73.1	68.2	102.2



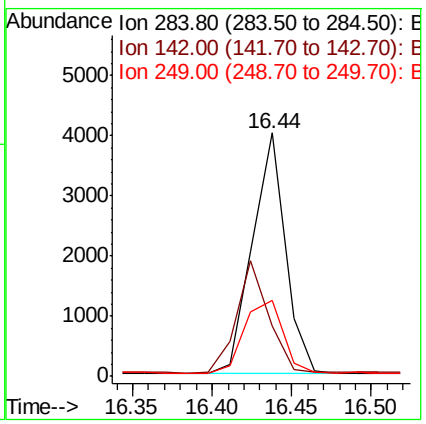


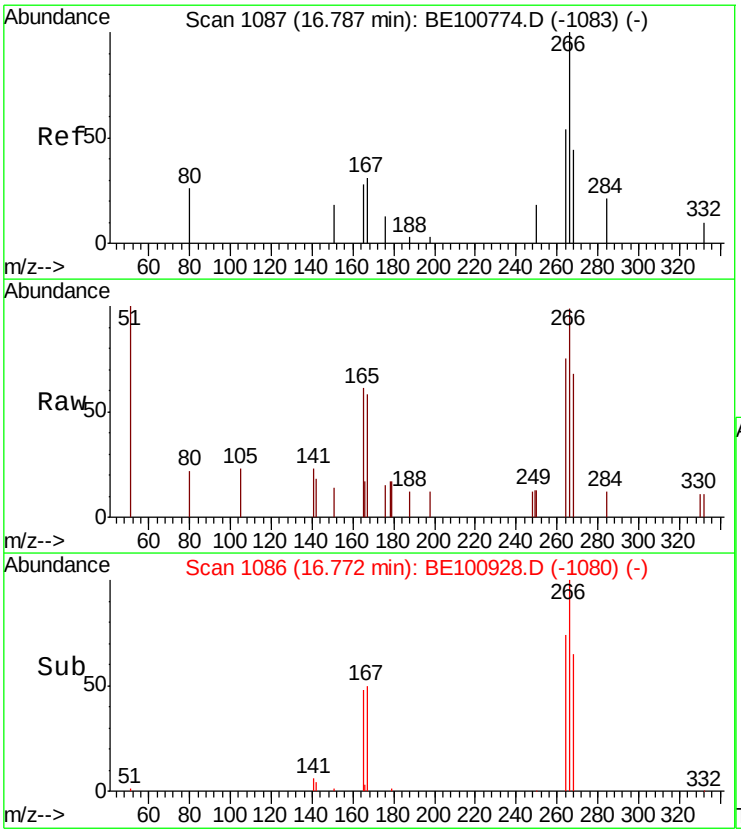
#21
Hexachlorobenzene
Concen: 0.415 ng
RT: 16.44 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 5713

Ion	Ratio	Lower	Upper
284	100		
142	45.7	35.0	52.4
249	35.1	28.1	42.1

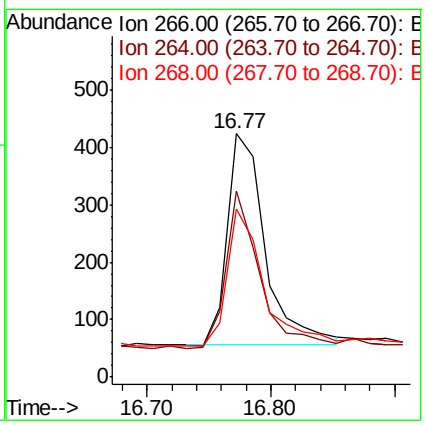


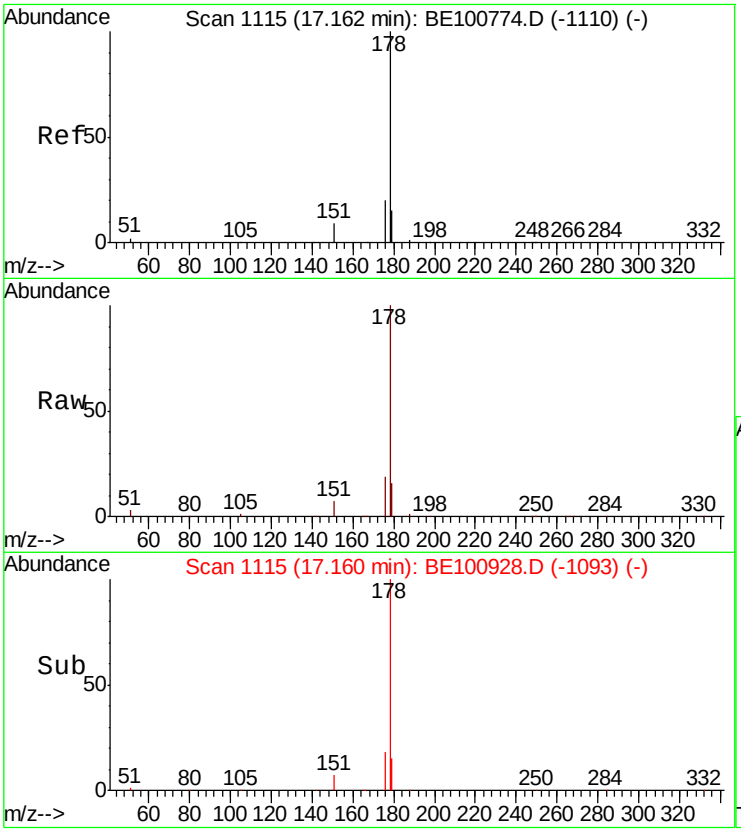


#22
Pentachlorophenol
Concen: 0.814 ng
RT: 16.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:266 Resp: 775

Ion	Ratio	Lower	Upper
266	100		
264	76.2	55.1	82.7
268	69.1	50.7	76.1



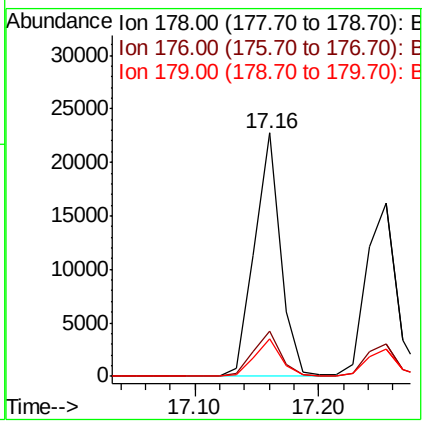


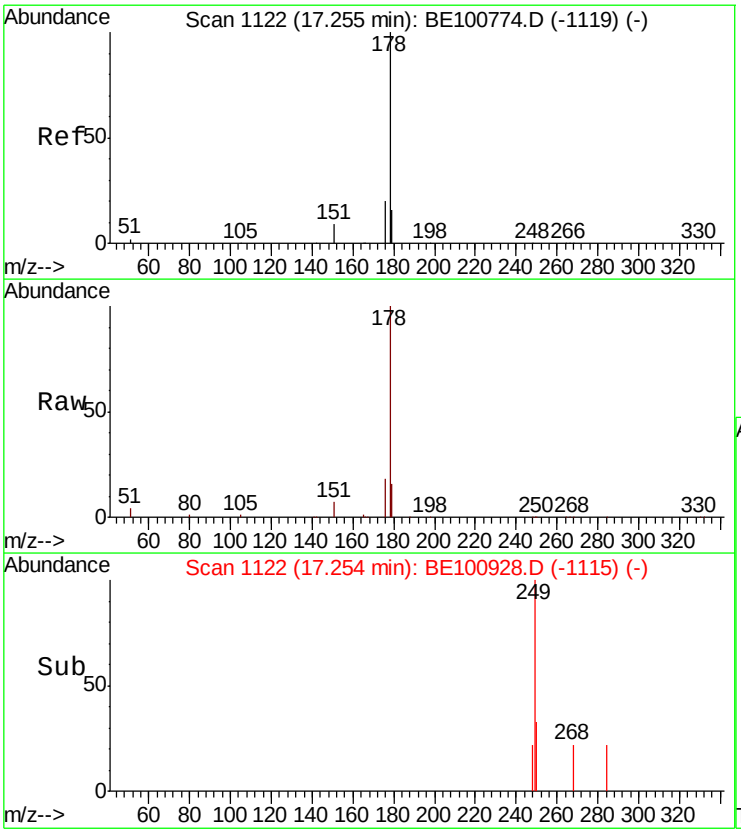
#23
Phenanthrene
Concen: 0.422 ng
RT: 17.16 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 32963

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.4	11.9	17.9

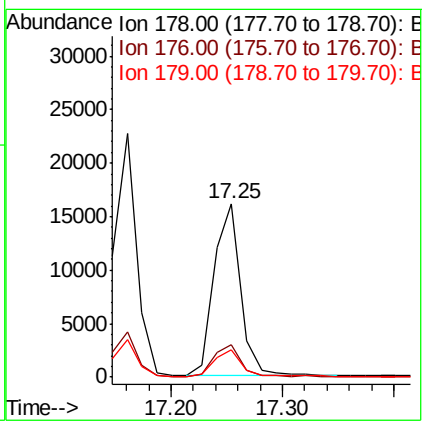


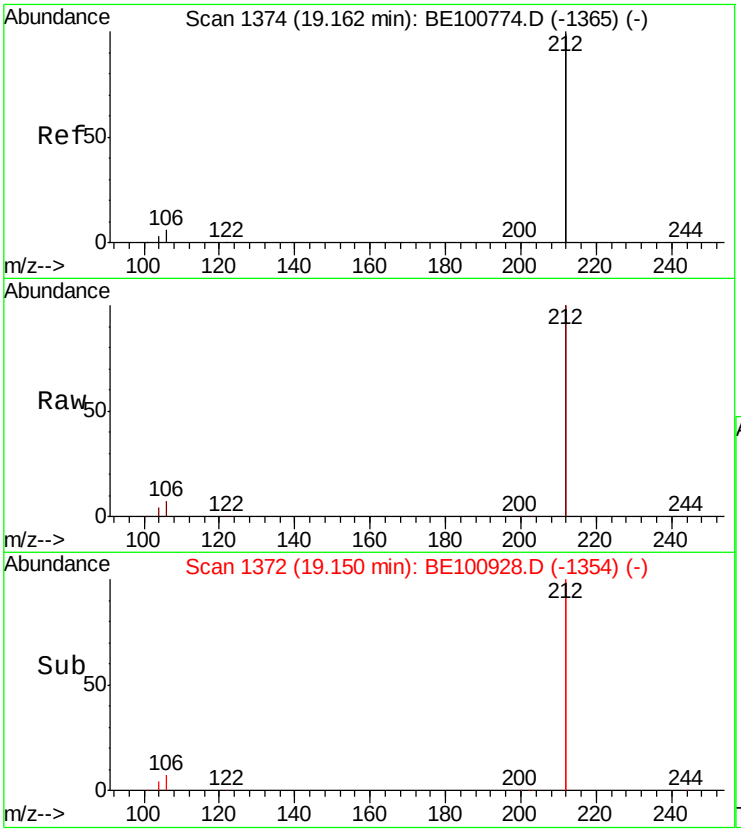


#24
Anthracene
Concen: 0.410 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:178 Resp: 26792

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.5	12.2	18.4



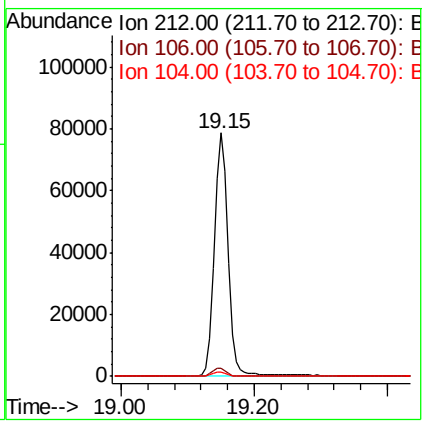


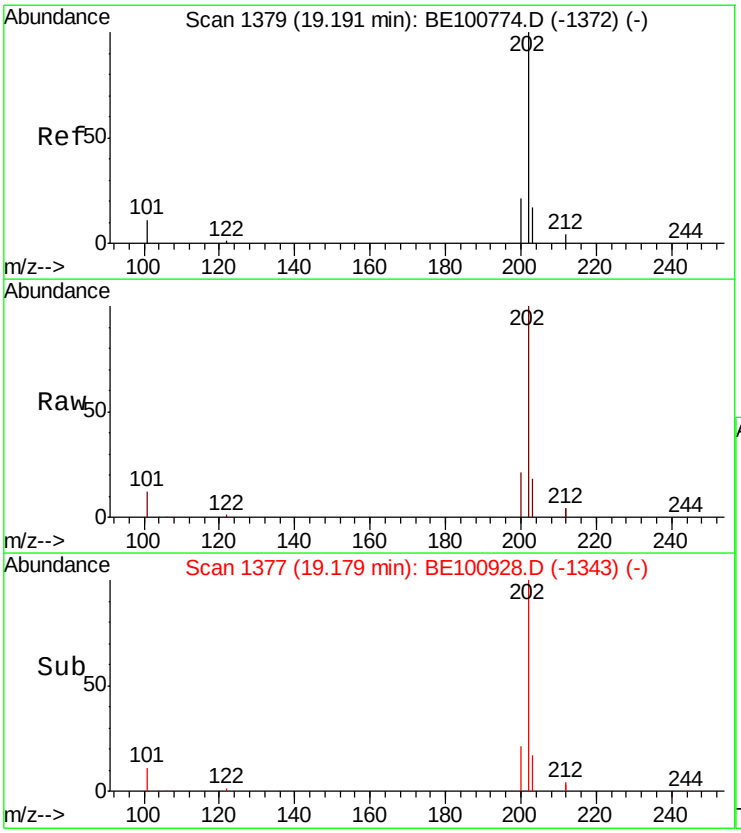
#25
Fluoranthene-d10
Concen: 0.363 ng
RT: 19.15 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 110677

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.6	4.0
104	1.9	1.4	2.2

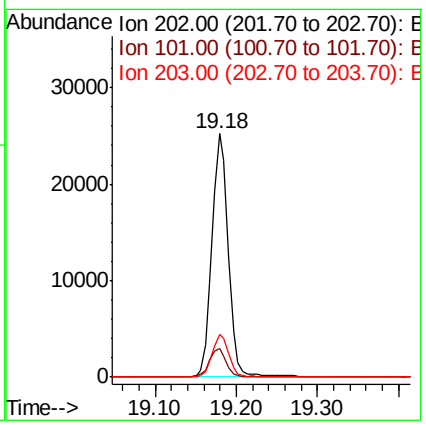


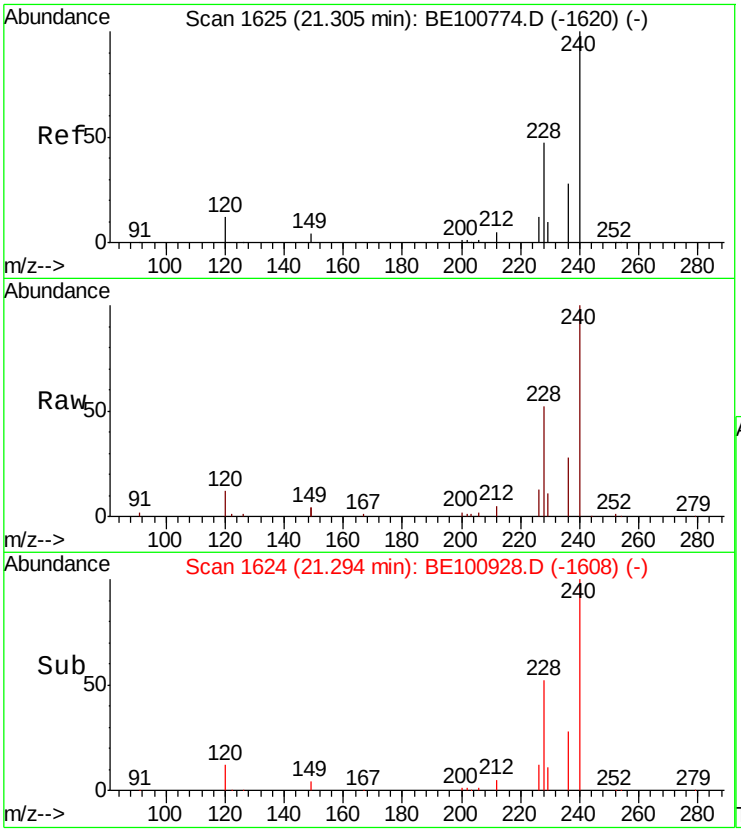


#26
Fluoranthene
Concen: 0.371 ng
RT: 19.18 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:202 Resp: 34587

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.4	14.0
203	17.4	13.7	20.5



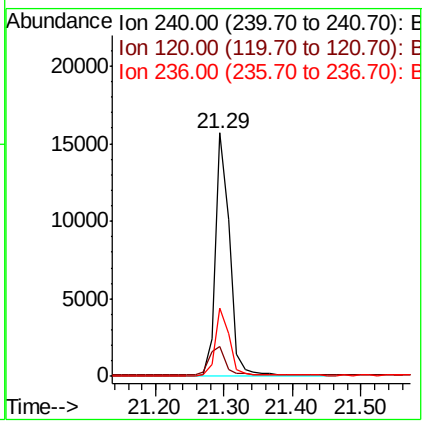


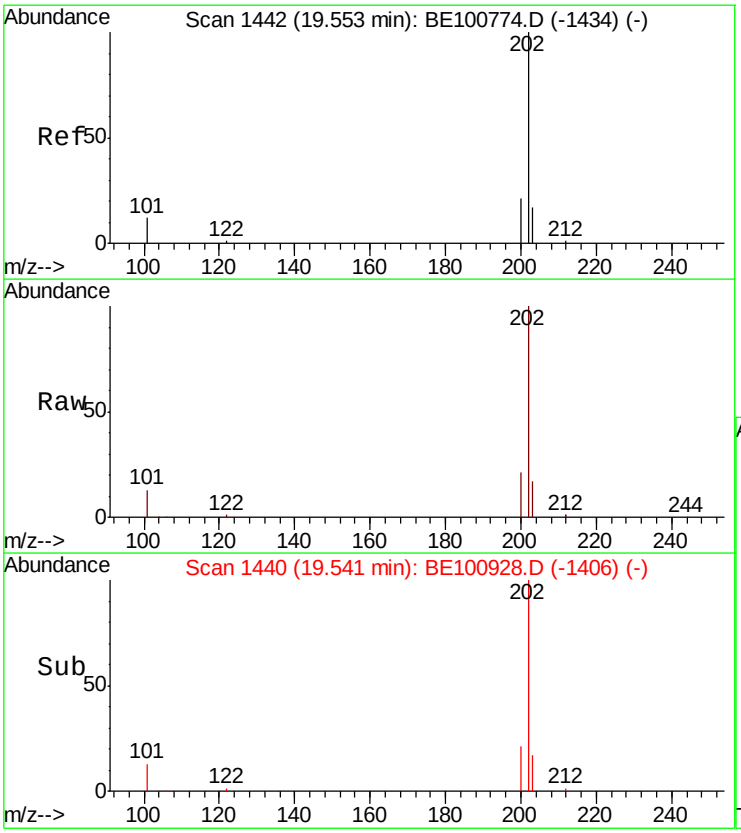
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 22261

Ion	Ratio	Lower	Upper
240	100		
120	12.4	4.0	6.0#
236	27.8	21.6	32.4

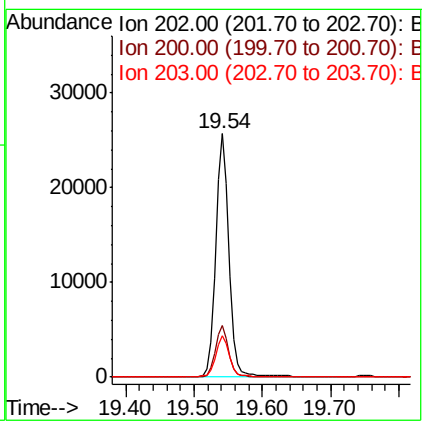


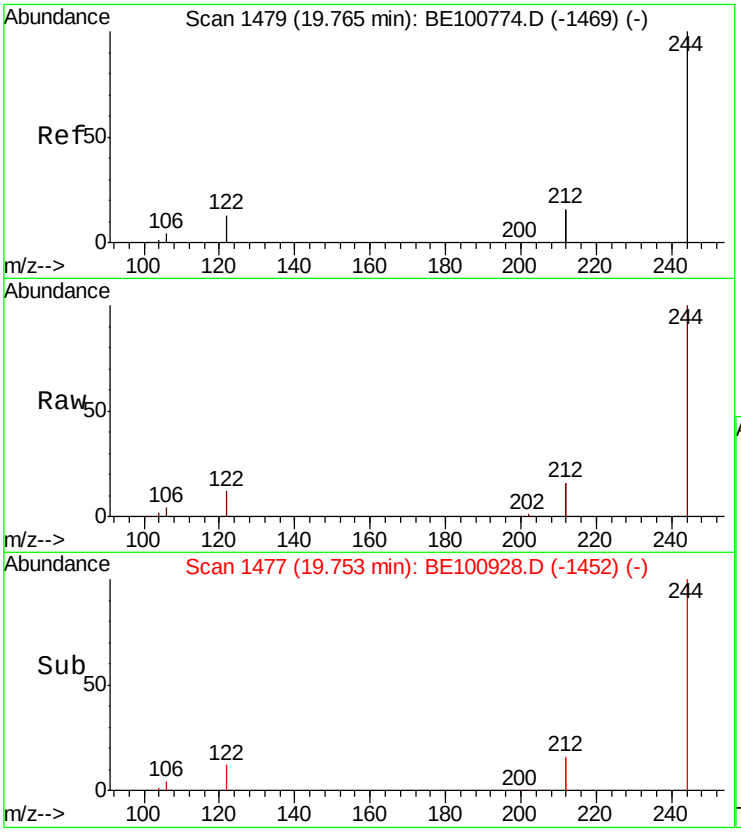


#28
Pyrene
Concen: 0.477 ng
RT: 19.54 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:202 Resp: 34483

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.0	13.8	20.8



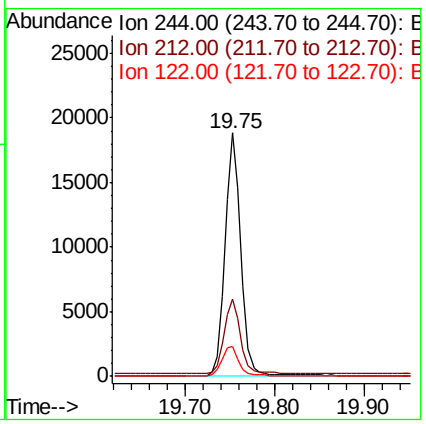


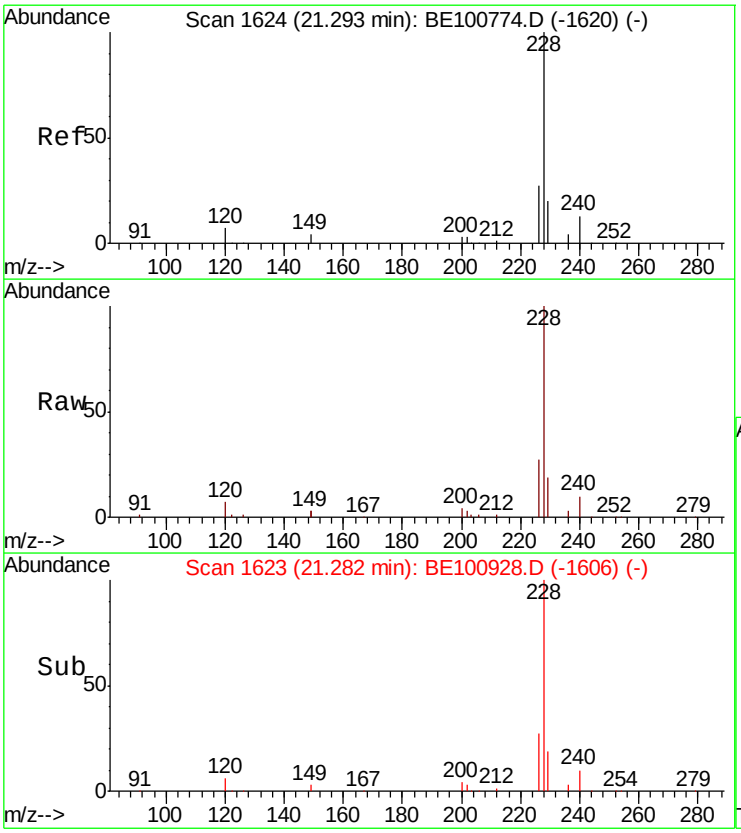
#29
Terphenyl-d14
Concen: 0.424 ng
RT: 19.75 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 22628

Ion	Ratio	Lower	Upper
244	100		
212	31.5	25.2	37.8
122	12.1	8.9	13.3

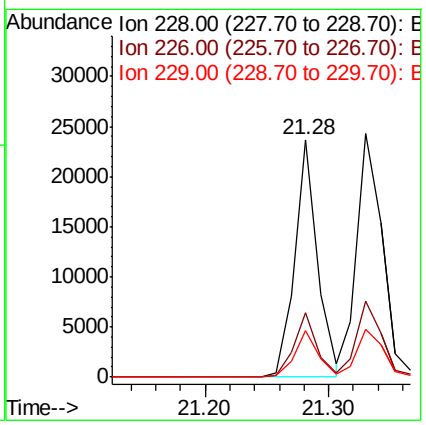


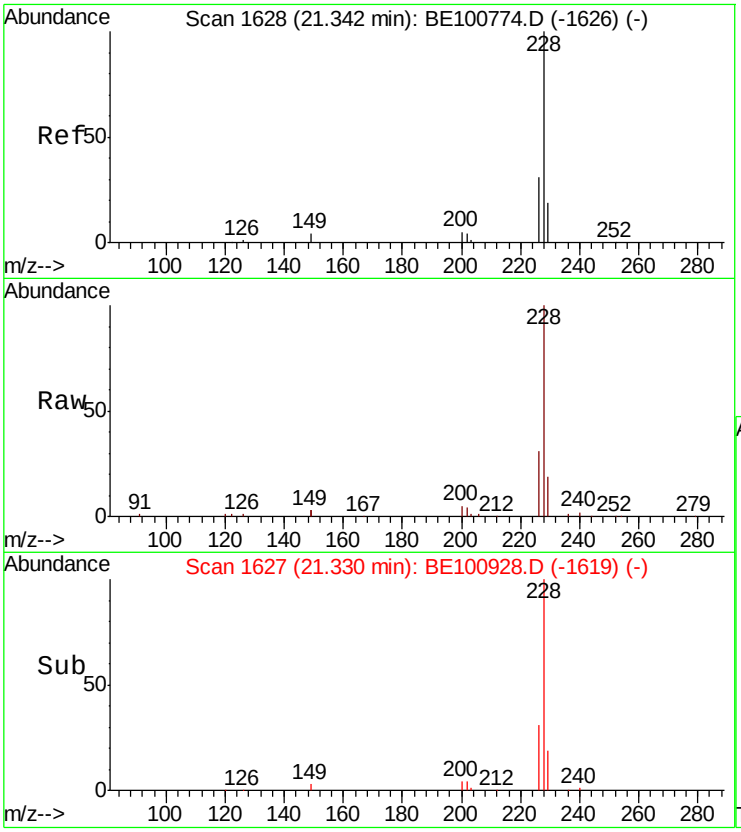


#30
Benzo(a)anthracene
Concen: 0.459 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:228 Resp: 30100

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.0
229	19.4	15.8	23.6



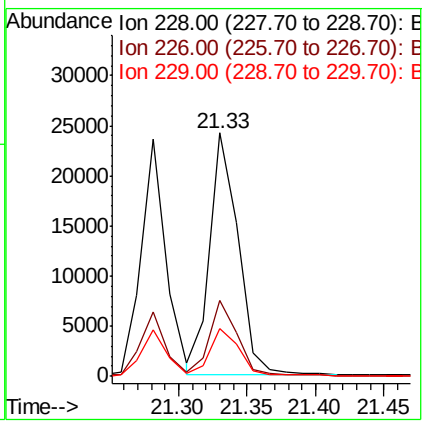


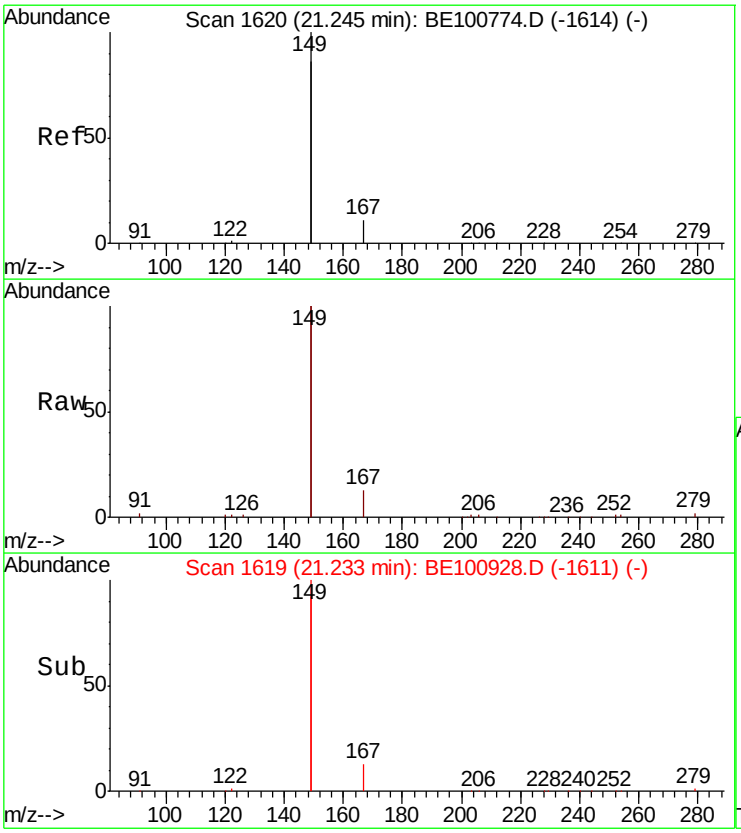
#31
Chrysene
Concen: 0.450 ng
RT: 21.33 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 34702

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.3	37.9
229	19.4	15.2	22.8

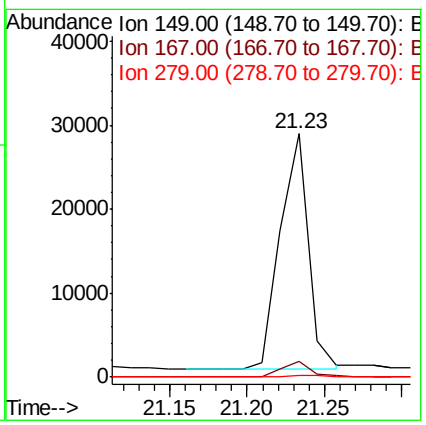


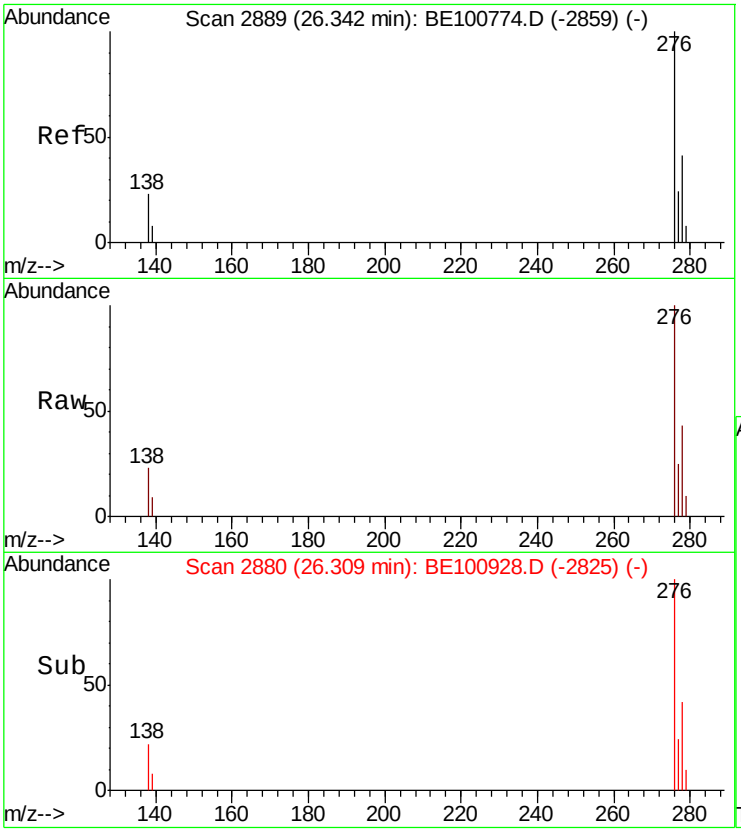


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.749 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:149 Resp: 35683

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.0	7.4
279	0.9	0.6	1.0



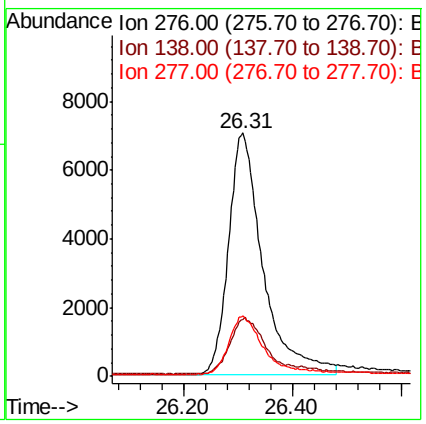


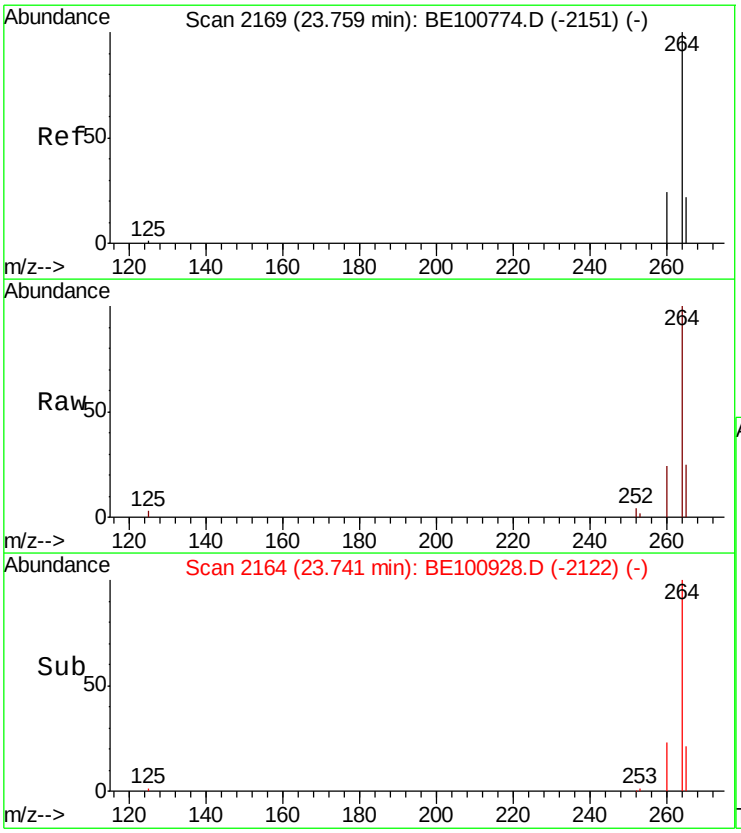
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.464 ng
RT: 26.31 min Scan# 2880
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 31169

Ion	Ratio	Lower	Upper
276	100		
138	22.5	18.4	27.6
277	23.7	19.4	29.2

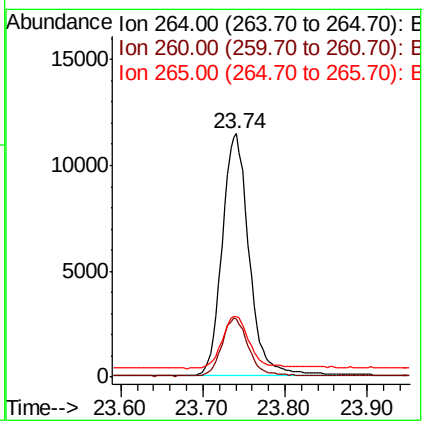


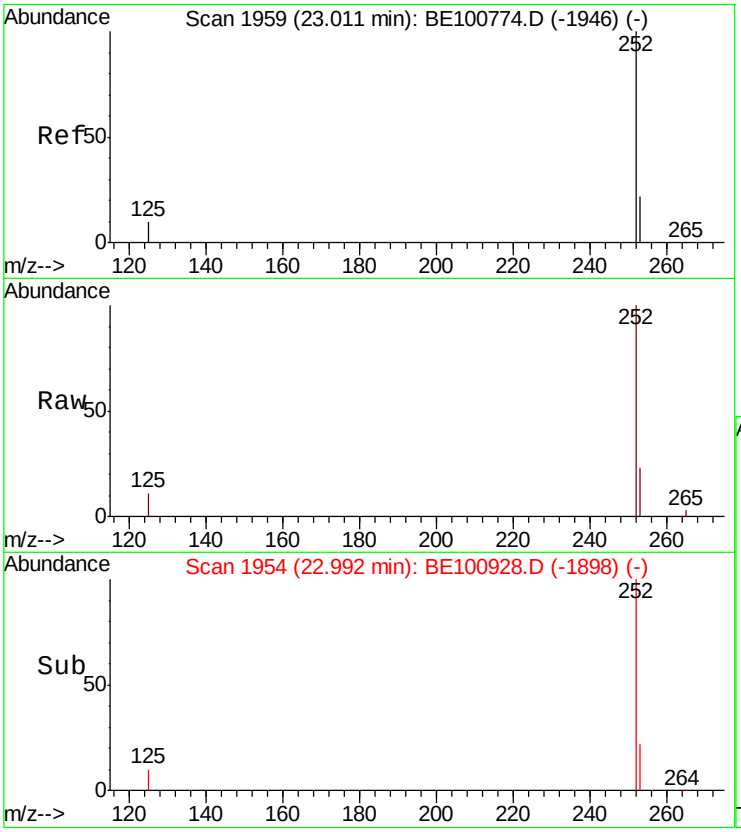


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.74 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:264 Resp: 26226

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	24.9	20.1	30.1



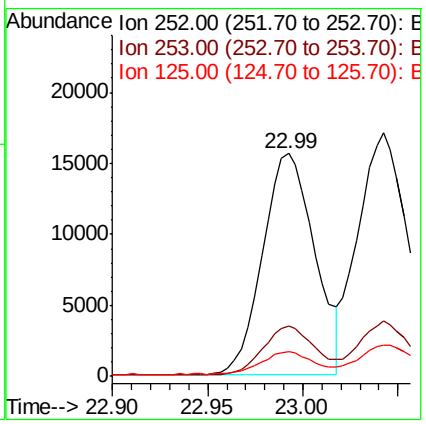


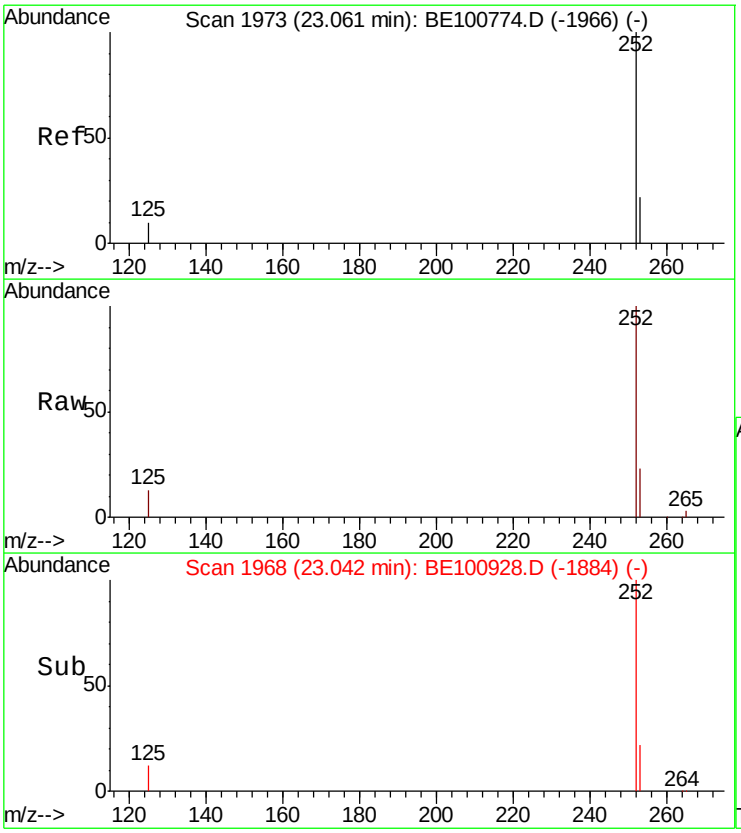
#35
Benzo(b)fluoranthene
Concen: 0.415 ng
RT: 22.99 min Scan# 1954
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 29761

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.0	8.3	12.5

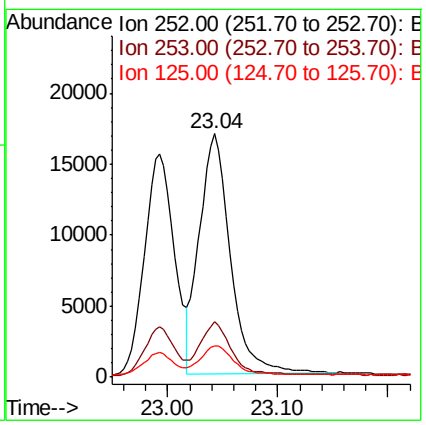


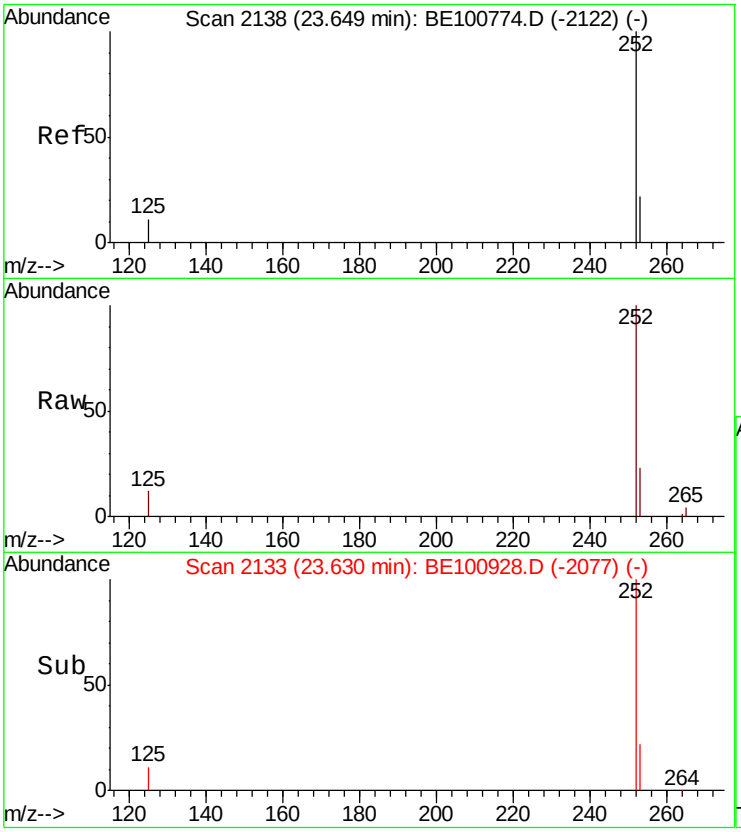


#36
Benzo(k)fluoranthene
Concen: 0.413 ng
RT: 23.04 min Scan# 1968
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:252 Resp: 33268

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	12.8	9.4	14.0



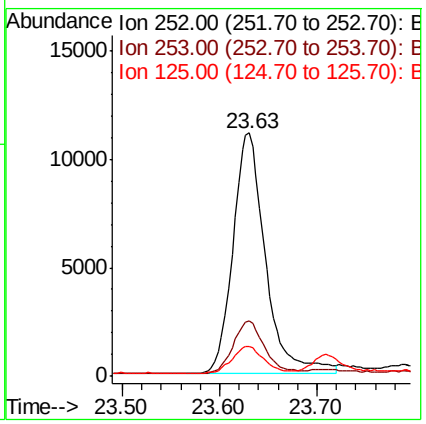


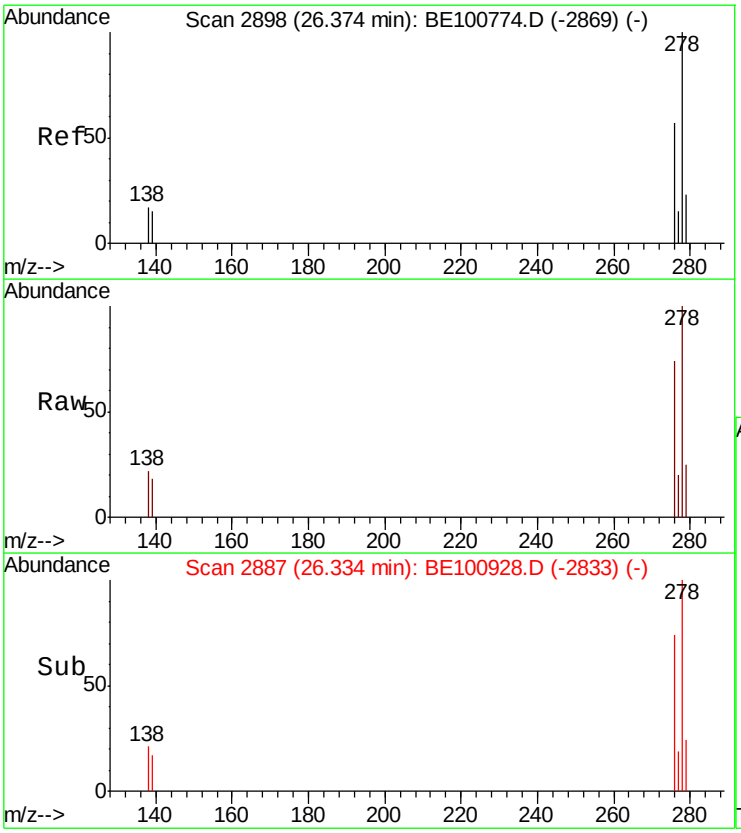
#37
Benzo(a)pyrene
Concen: 0.416 ng
RT: 23.63 min Scan# 2133
Delta R.T. -0.00 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 25876

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	12.3	9.9	14.9

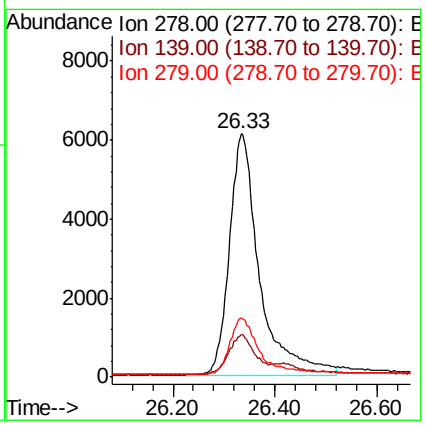


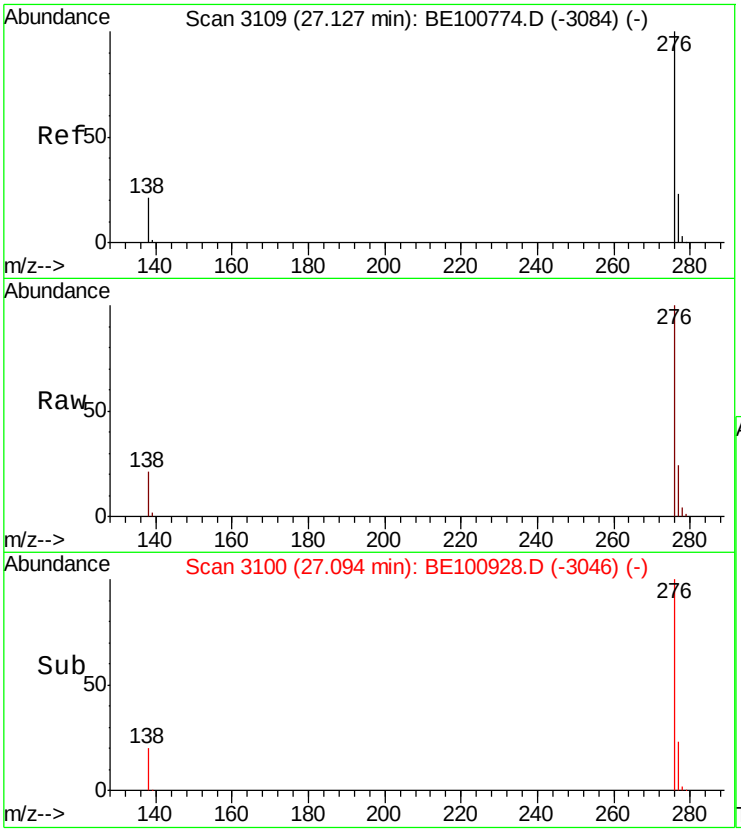


#38
Dibenzo(a,h)anthracene
Concen: 0.406 ng
RT: 26.33 min Scan# 2887
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Tgt Ion:278 Resp: 25110

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.8	20.6
279	24.5	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.418 ng
RT: 27.09 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BE100928.D
Acq: 16 Dec 2019 20:05

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 27613

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.7	29.5
138	21.3	18.0	27.0