Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
Data File : BE100455.D
Acq On : 17 Jul 2019 18:55
Operator : HP/JU
Sample : K3818-01MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Jul 18 02:09:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 16 14:03:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	66	0.40	ng		0.00
7) Naphthalene-d8	10.68	136	44	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	638	0.40	ng		-0.03
19) Phenanthrene-d10	17.24	188	134	0.40	ng		0.01
27) Chrysene-d12	21.35	240	2709	0.40	ng		-0.04
34) Perylene-d12	23.81	264	5710	0.40	ng		-0.07
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	3697	29.44	ng		0.00
5) Phenol-d6	7.04	99	5488	29.58	ng		0.00
8) Nitrobenzene-d5	9.03	82	3649	150.25	ng		0.00
11) 2-Methylnaphthalene-d10	12.27	152	10904	163.80	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	1337	9.28	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	11062	3.87	ng		0.00
25) Fluoranthene-d10	19.26	212	72136	45.19	ng		0.00
29) Terphenyl-d14	19.79	244	549	0.08	ng		-0.06
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	1547	20.150	ng	#	44
3) n-Nitrosodimethylamine	3.69	42	1224	21.401	ng	#	41
6) bis(2-Chloroethyl)ether	7.31	93	5060	26.986	ng		79
9) Naphthalene	10.72	128	485856	1133.306	ng		100
10) Hexachlorobutadiene	11.03	225	2420	116.520	ng		97
12) 2-Methylnaphthalene	12.34	142	51921	724.530	ng		99
16) Acenaphthylene	14.23	152	231557	89.731	ng		99
17) Acenaphthene	14.57	154	151573	85.485	ng		96
18) Fluorene	15.54	166	253945	111.057	ng		98
20) 4-Bromophenyl-phenylether	16.44	248	3481	49.779	ng	#	76
21) Hexachlorobenzene	16.56	284	3294	40.306	ng	#	91
22) Pentachlorophenol	16.89	266	4151	213.234	ng		95
23) Phenanthrene	17.28	178	3502353	9809.498	ng		97
24) Anthracene	17.36	178	980212	3326.432	ng		97
26) Fluoranthene	19.29	202	5489163	12096.525	ng		96
28) Pyrene	19.66	202	5088466	642.090	ng	#	89
30) Benzo(a)anthracene	21.39	228	3277292	445.743	ng		92
31) Chrysene	21.39	228	3216351	368.371	ng		97
32) Bis(2-ethylhexyl)phthalate	21.32	149	718576	136.264	ng	#	97
33) Indeno(1,2,3-cd)pyrene	26.57	276	1577199	203.178	ng		96
35) Benzo(b)fluoranthene	23.14	252	3265986	187.205	ng		97
36) Benzo(k)fluoranthene	23.14	252	3265986	176.909	ng		97
37) Benzo(a)pyrene	23.68	252	1606825	112.010	ng		95
38) Dibenzo(a,h)anthracene	26.47	278	82260	5.378	ng	#	60
39) Benzo(g,h,i)perylene	27.39	276	1441317	90.107	ng		99

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

Quantitation Report (Not Reviewed)

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Acq On : 17 Jul 2019 18:55
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Instrument :
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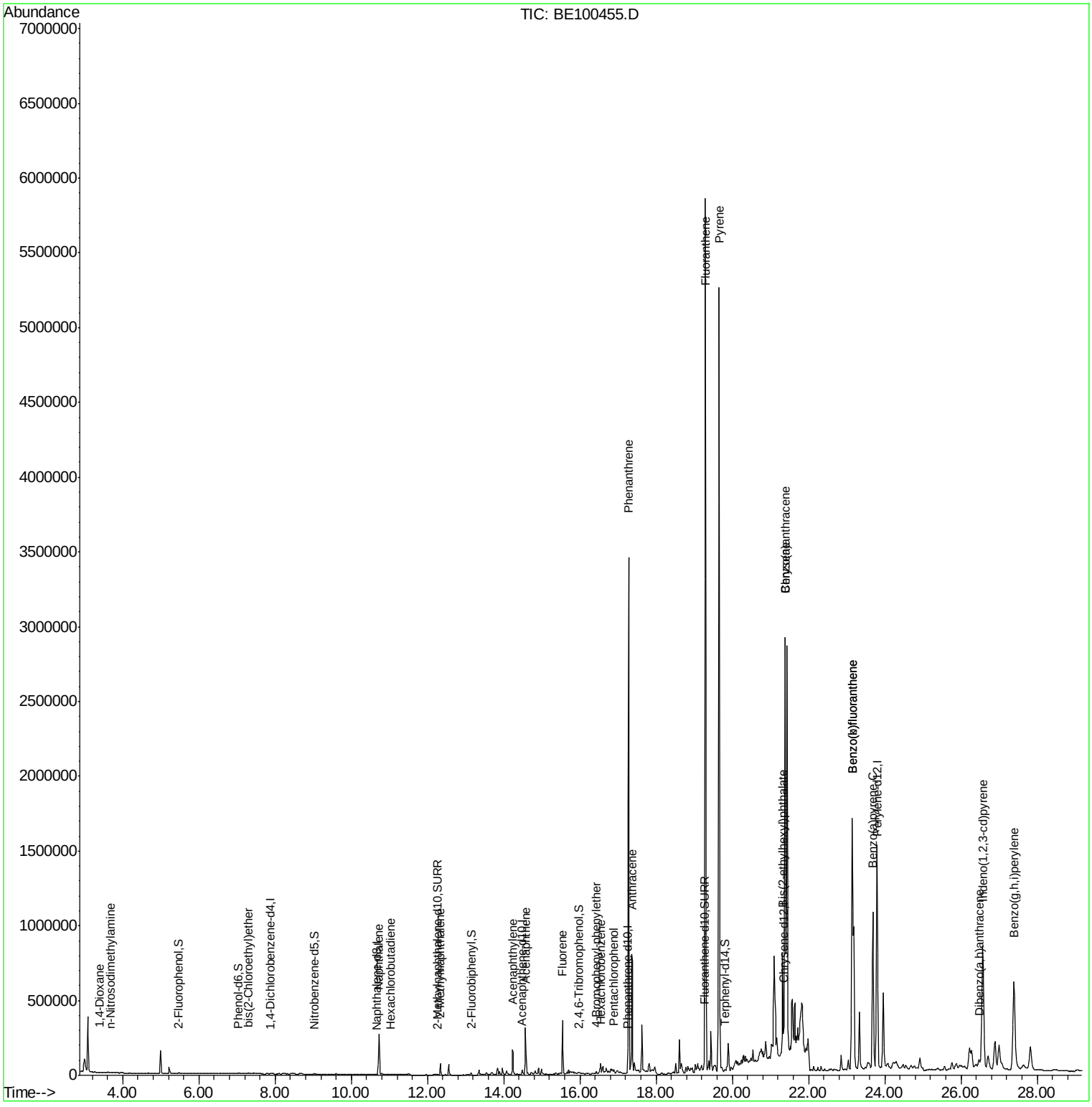
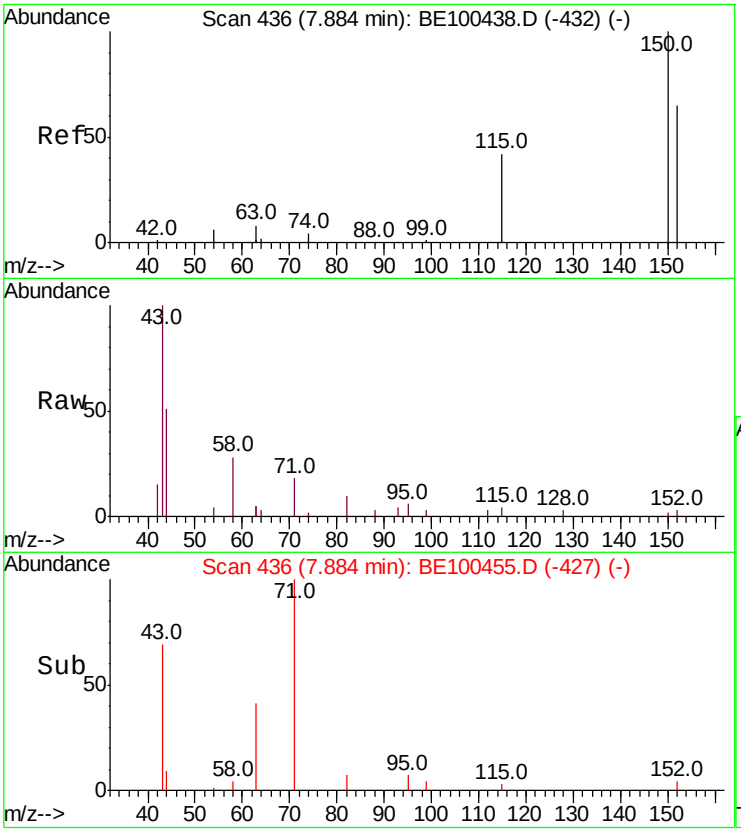
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 16 14:03:26 2019
Response via : Initial Calibration



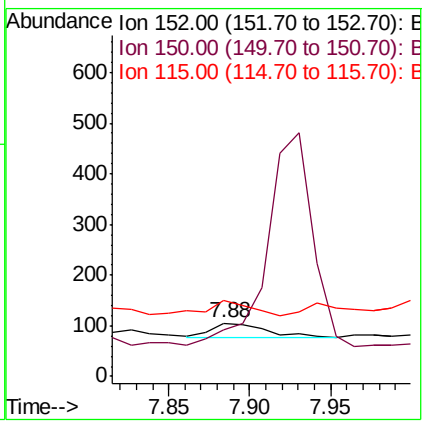


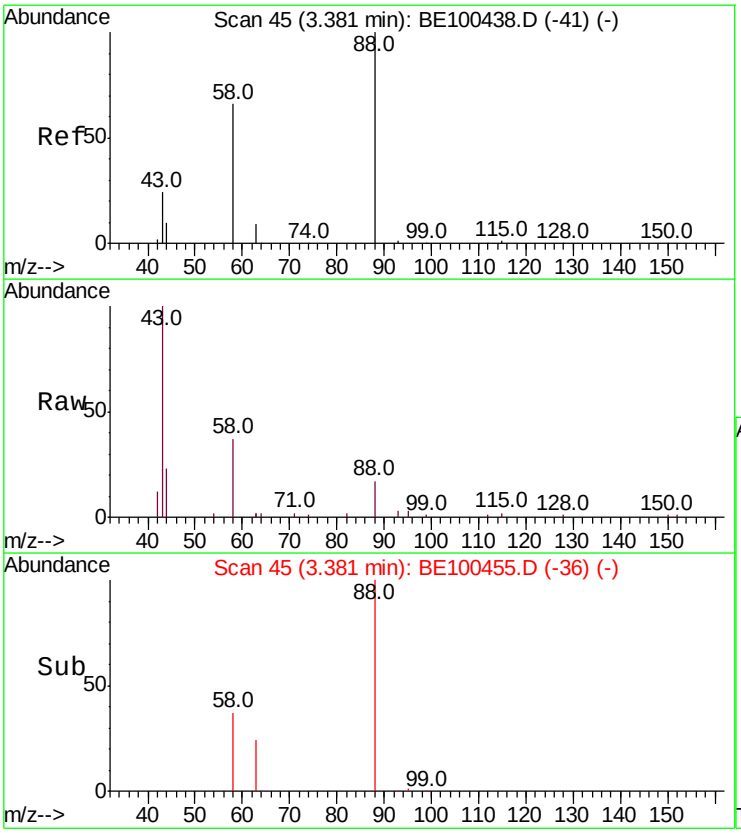
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 436
Delta R.T. -0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 66

Ion	Ratio	Lower	Upper
152	100		
150	85.8	121.7	182.5#
115	141.5	52.4	78.6#

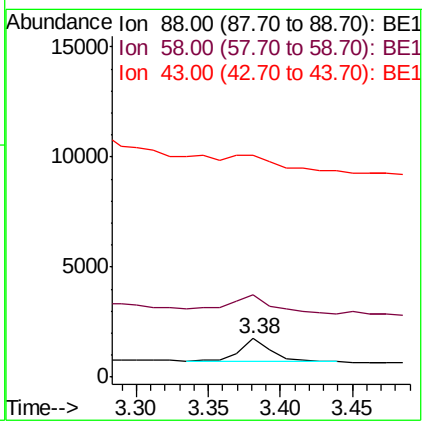


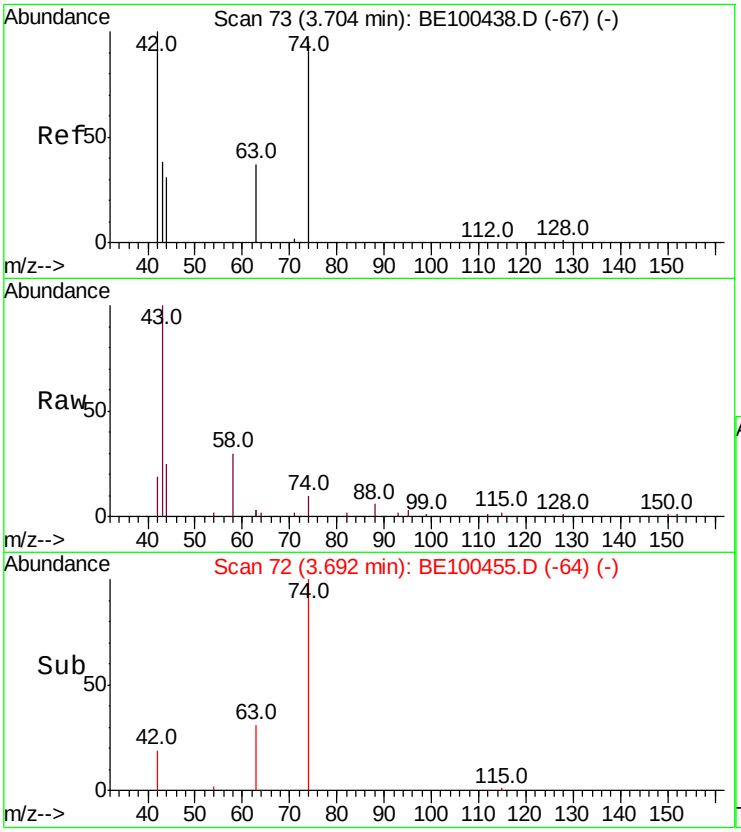


#2
1,4-Dioxane
Concen: 20.150 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion: 88 Resp: 1547

Ion	Ratio	Lower	Upper
88	100		
58	119.3	57.8	86.8#
43	0.0	25.0	37.6#

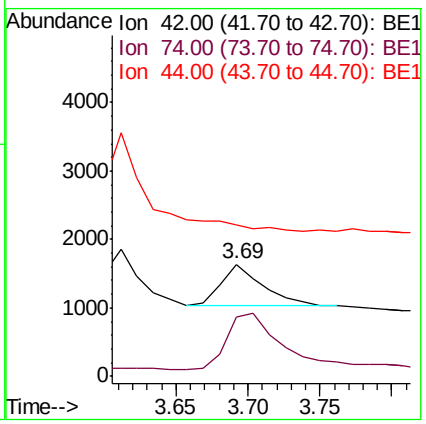




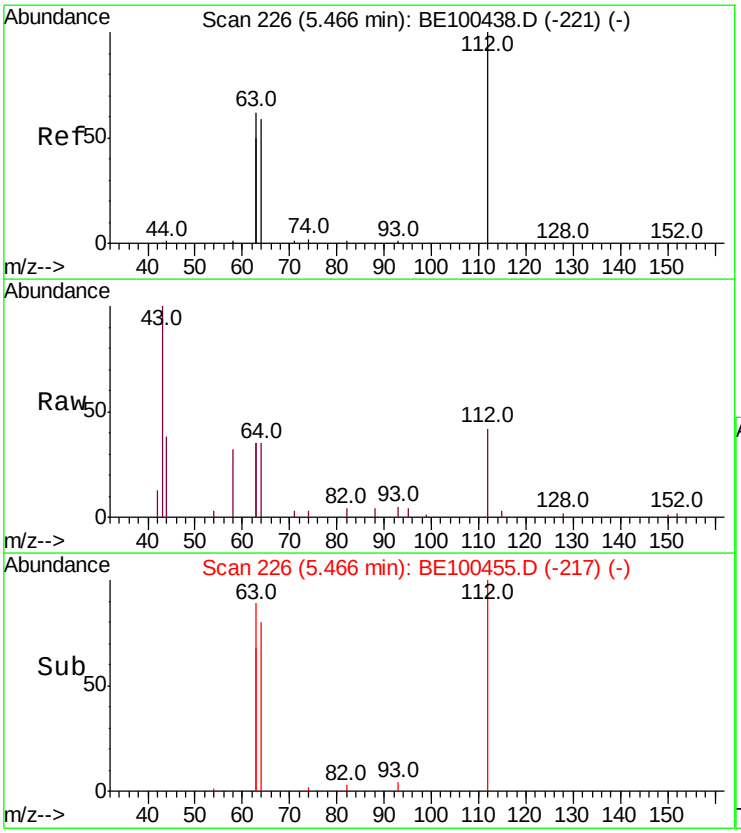
#3
n-Nitrosodimethylamine
Concen: 21.401 ng
RT: 3.69 min Scan# 72
Delta R.T. -0.01 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion: 42 Resp: 1224

Ion	Ratio	Lower	Upper
42	100		
74	170.0	85.3	127.9#
44	0.0	21.8	32.8#



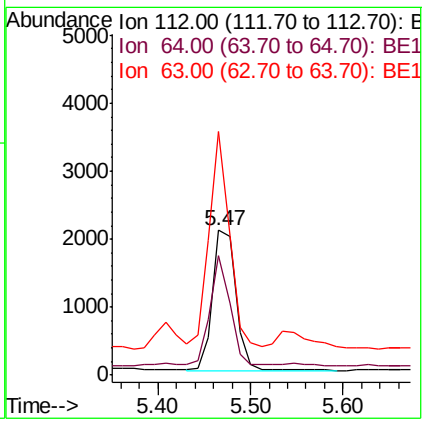
Instrument :
BNA_E
ClientSampleId :

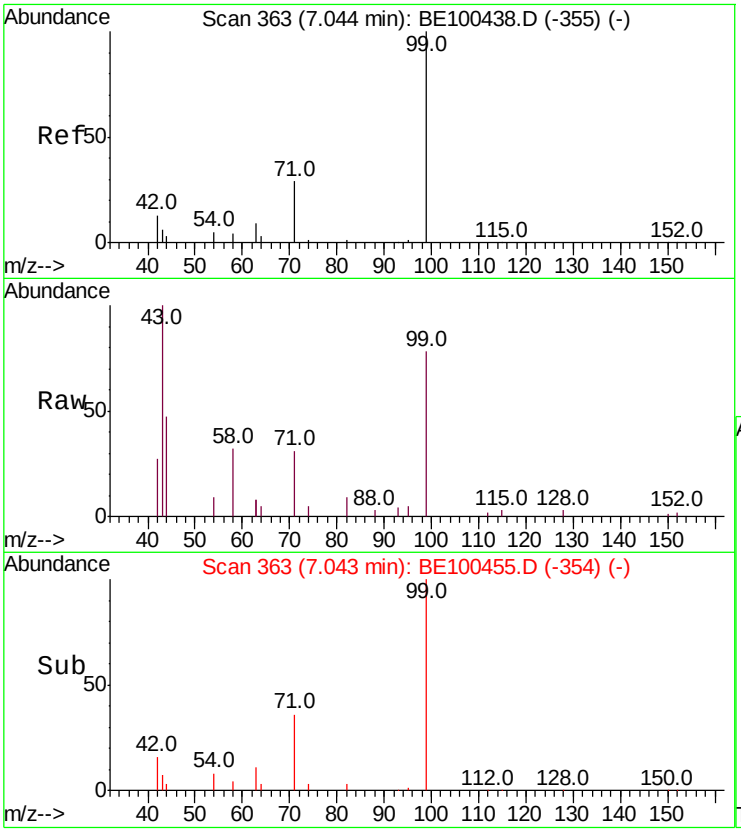


#4
2-Fluorophenol
Concen: 29.442 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:112 Resp: 3697

Ion	Ratio	Lower	Upper
112	100		
64	66.0	55.0	82.4
63	130.7	114.8	172.2



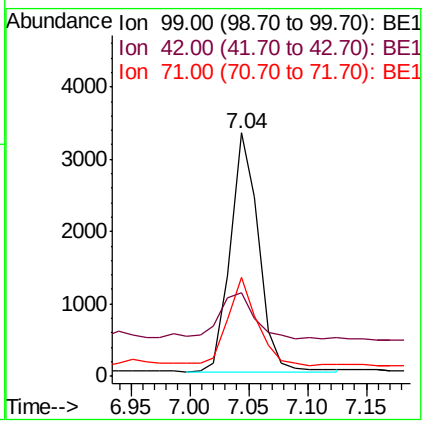


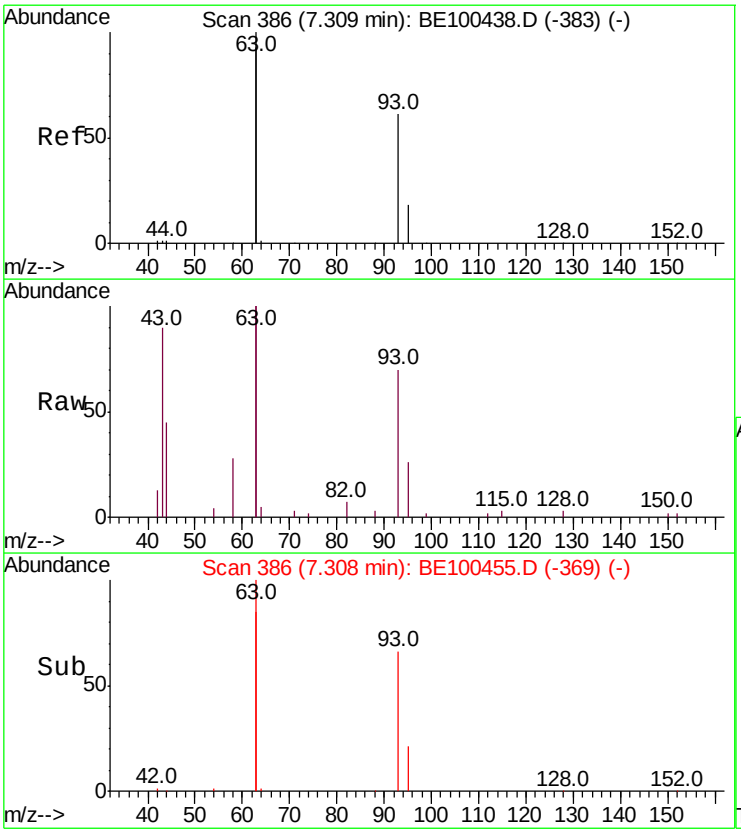
#5
Phenol-d6
Concen: 29.577 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 5488

Ion	Ratio	Lower	Upper
99	100		
42	26.1	17.4	26.2
71	37.0	28.2	42.4

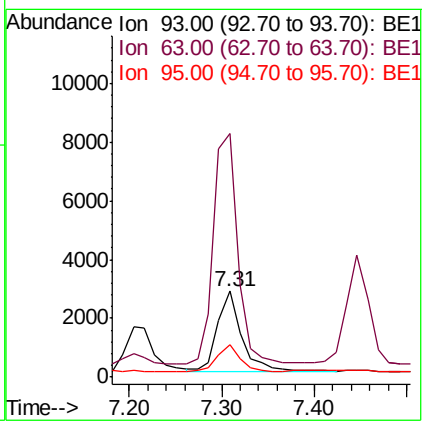


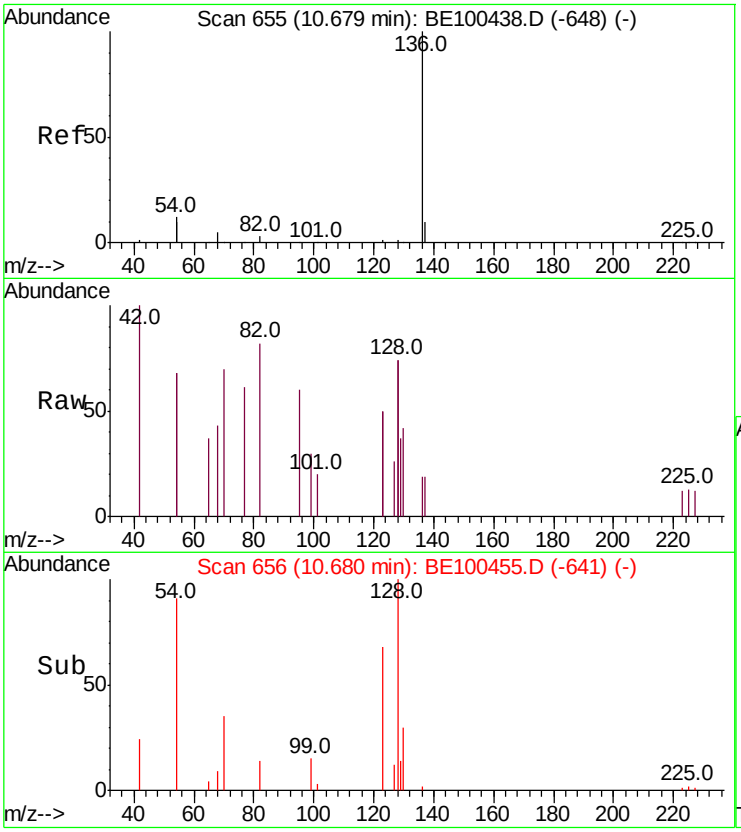


#6
bis(2-Chloroethyl)ether
Concen: 26.986 ng
RT: 7.31 min Scan# 386
Delta R.T. -0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion: 93 Resp: 5060

Ion	Ratio	Lower	Upper
93	100		
63	285.9	266.9	400.3
95	30.8	26.8	40.2



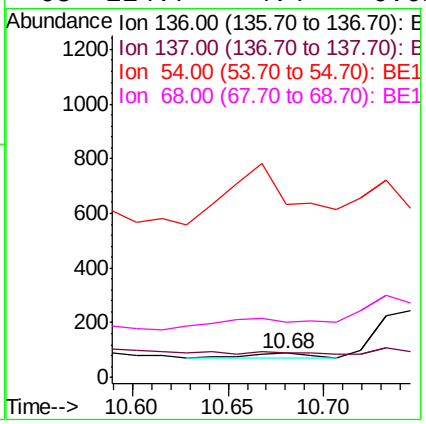


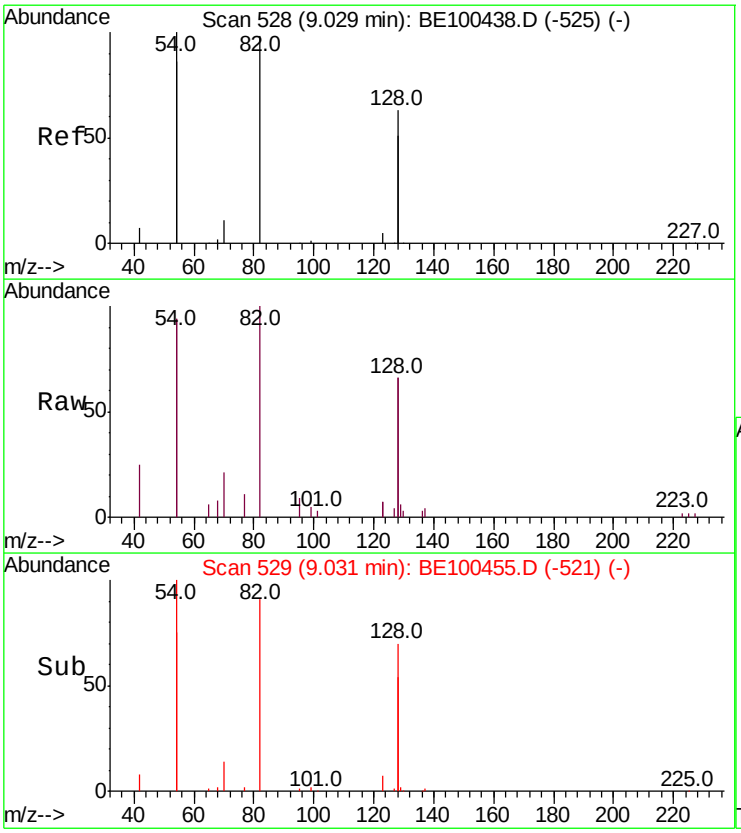
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.68 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 44

Ion	Ratio	Lower	Upper
136	100		
137	100.0	8.7	13.1#
54	712.4	19.6	29.4#
68	224.7	4.4	6.6#

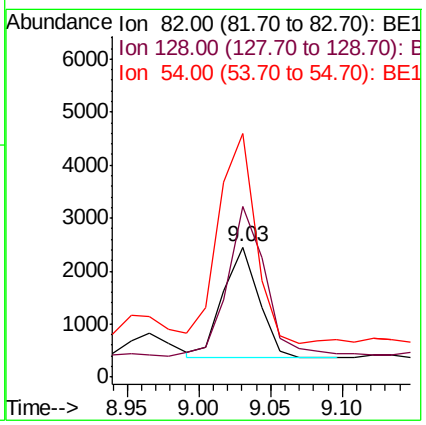


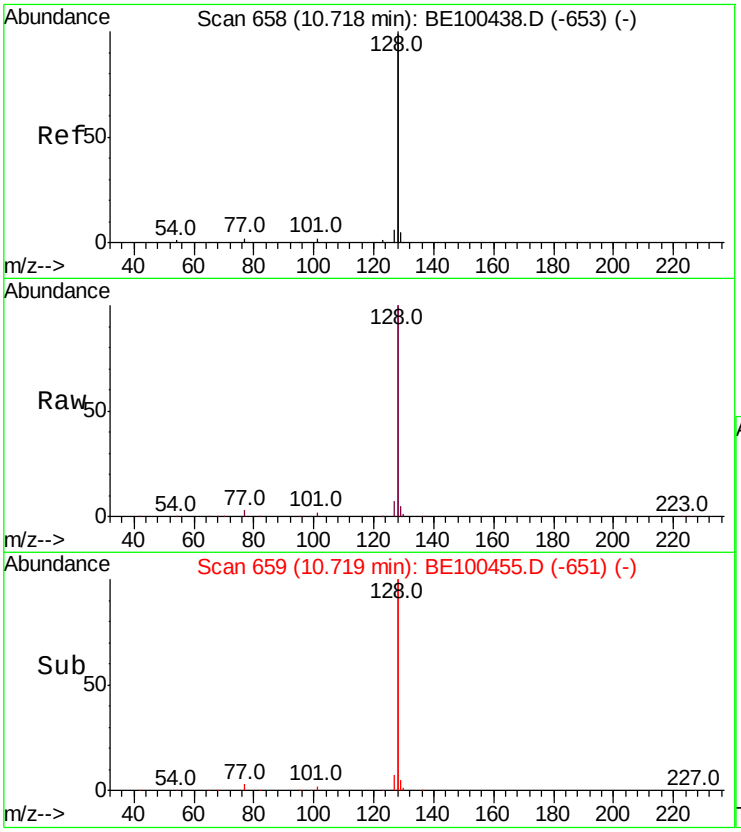


#8
Nitrobenzene-d5
Concen: 150.248 ng
RT: 9.03 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion: 82 Resp: 3649

Ion	Ratio	Lower	Upper
82	100		
128	131.1	97.9	146.9
54	187.2	155.0	232.6



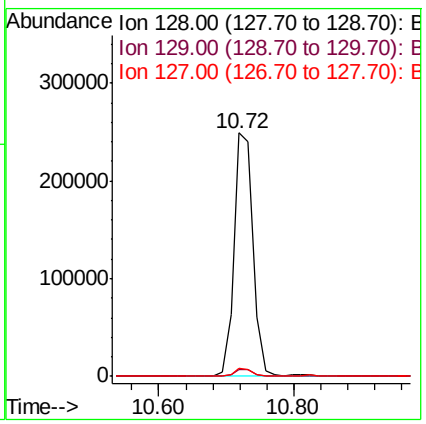


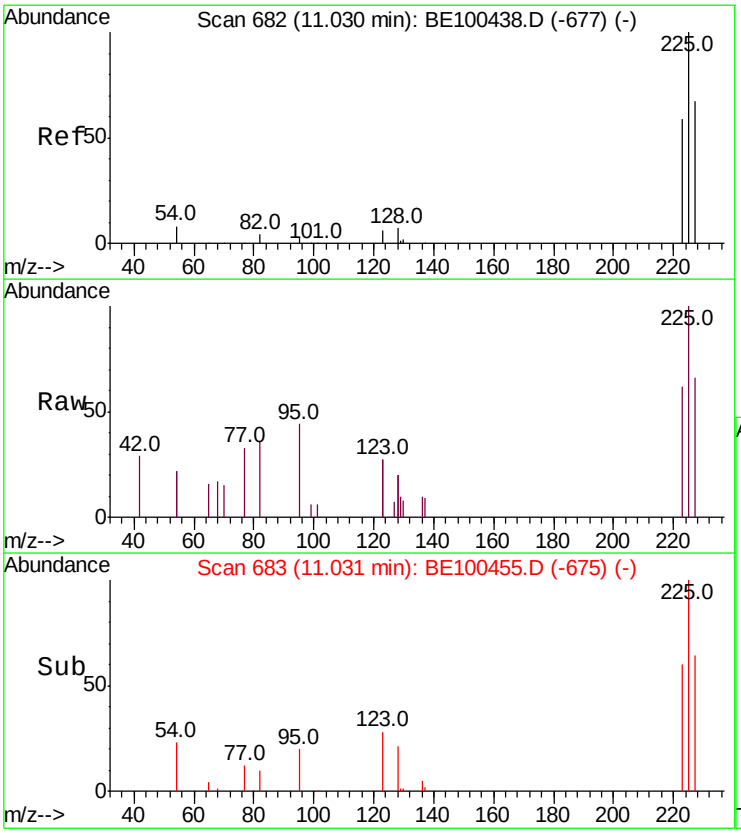
#9
Naphthalene
Concen: 1133.306 ng
RT: 10.72 min Scan# 659
Delta R.T. 0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 485856

Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.2	3.4
127	3.3	2.7	4.1

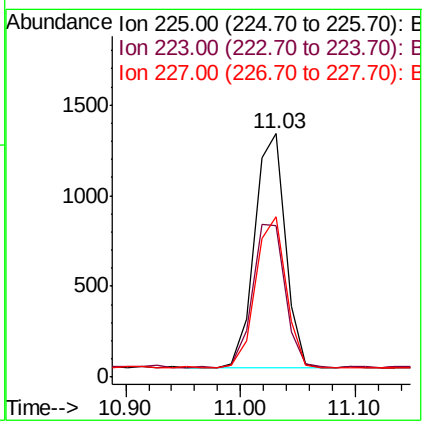


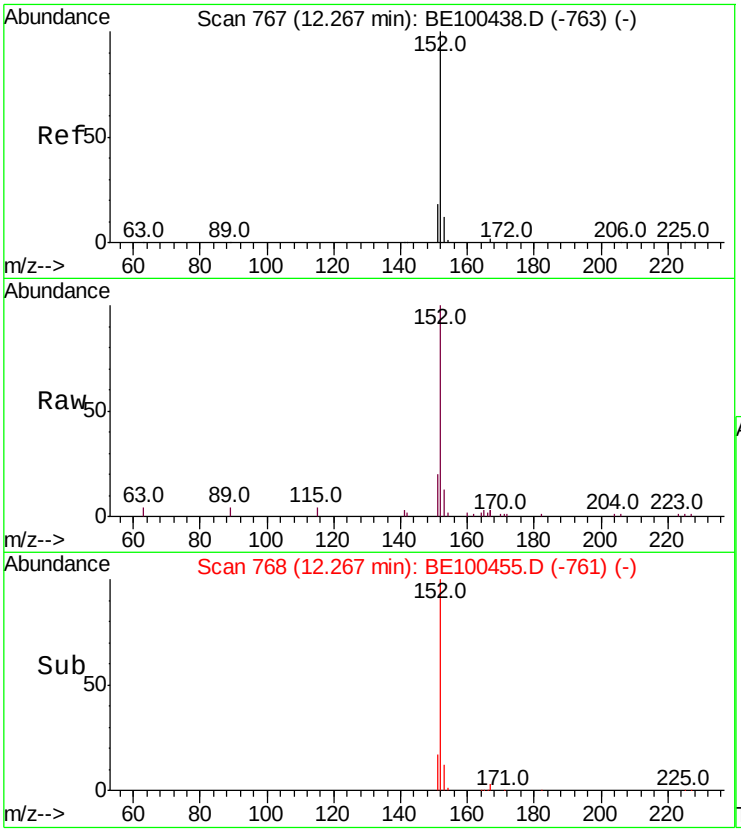


#10
Hexachlorobutadiene
Concen: 116.520 ng
RT: 11.03 min Scan# 683
Delta R.T. 0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:225 Resp: 2420

Ion	Ratio	Lower	Upper
225	100		
223	64.3	49.8	74.8
227	63.4	52.3	78.5



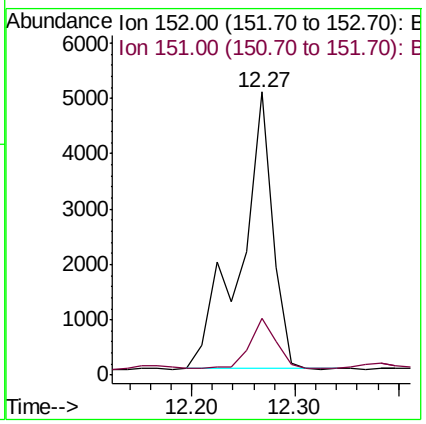


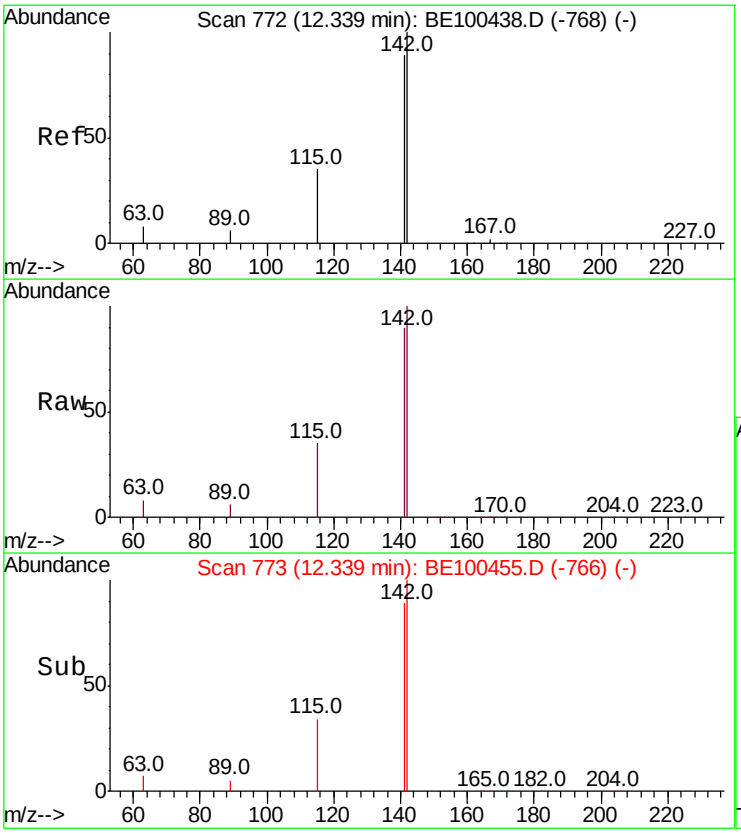
#11
2-Methylnaphthalene-d10
Concen: 163.803 ng
RT: 12.27 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 10904

Ion	Ratio	Lower	Upper
152	100		
151	14.8	16.0	24.0#

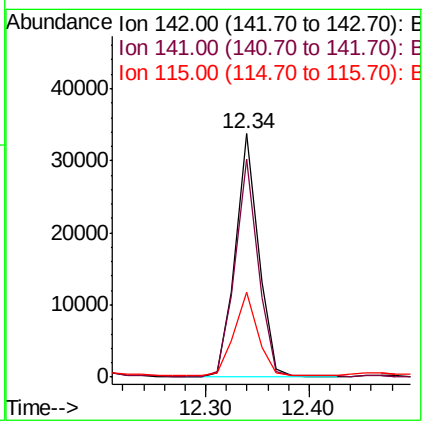


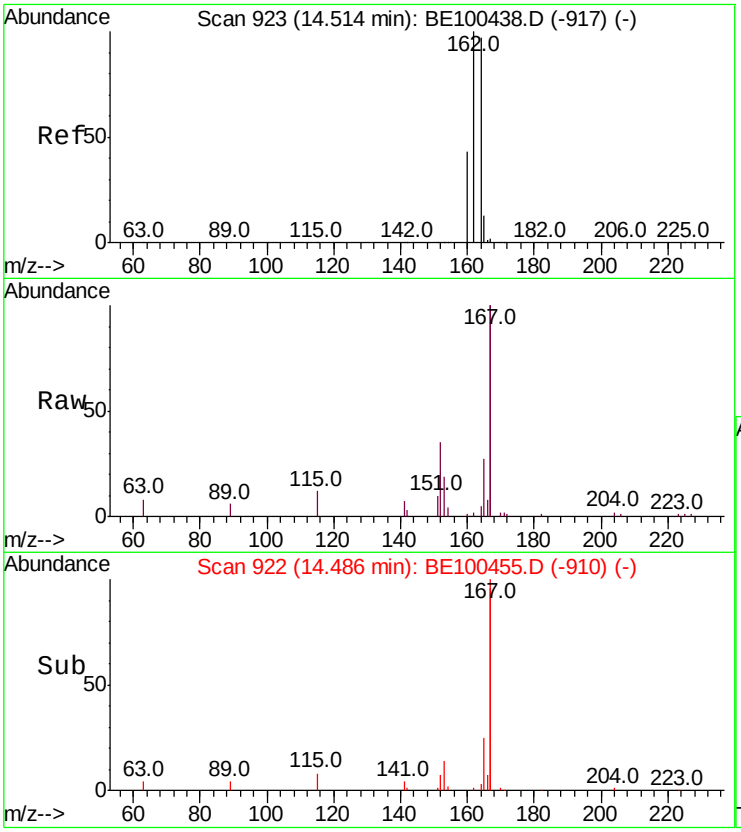


#12
2-Methylnaphthalene
Concen: 724.530 ng
RT: 12.34 min Scan# 773
Delta R.T. 0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:142 Resp: 51921

Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.9	106.3
115	35.1	29.0	43.4



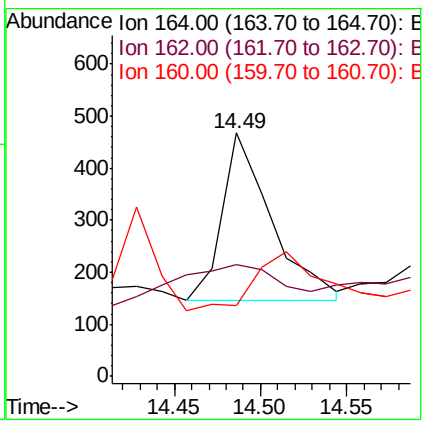


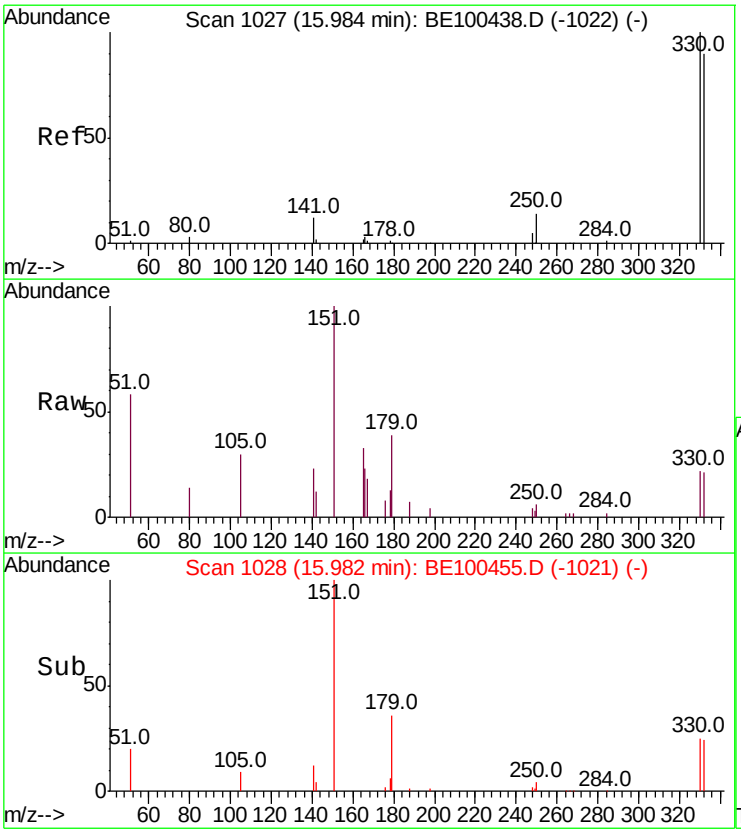
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 922
Delta R.T. -0.03 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 638

Ion	Ratio	Lower	Upper
164	100		
162	45.9	82.6	124.0#
160	29.3	35.6	53.4#

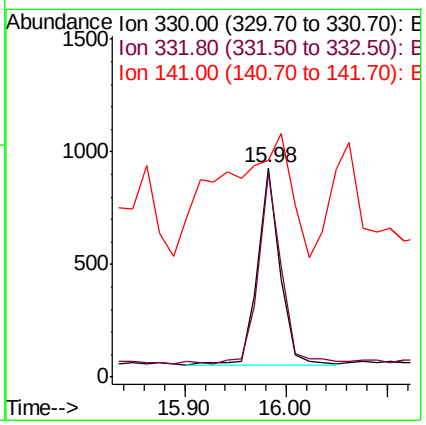


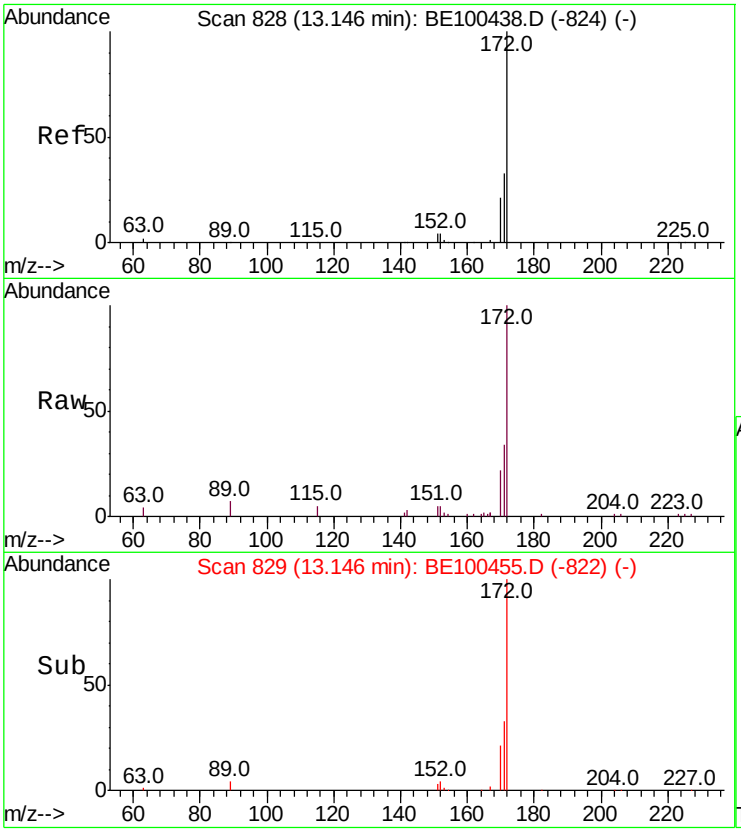


#14
2,4,6-Tribromophenol
Concen: 9.276 ng
RT: 15.98 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:330 Resp: 1337

Ion	Ratio	Lower	Upper
330	100		
332	99.7	76.3	114.5
141	192.1	28.1	42.1#



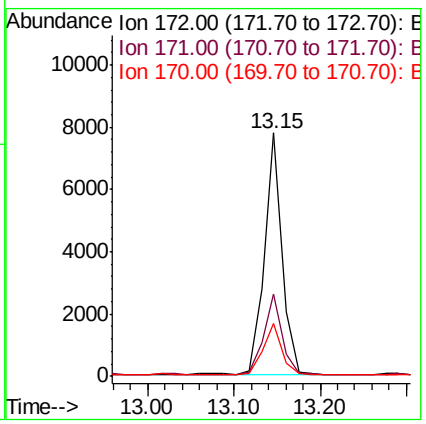


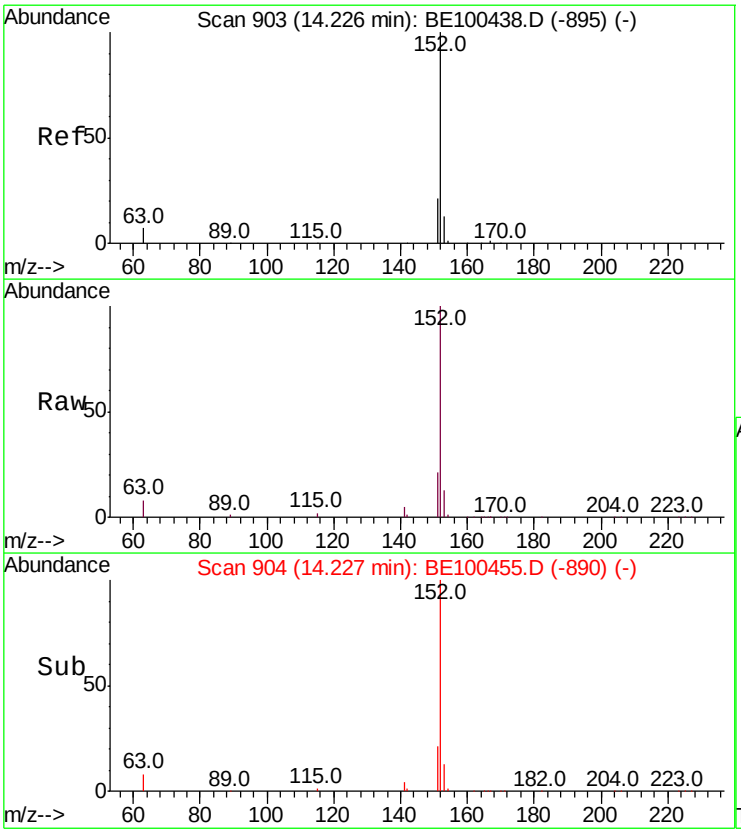
#15
2-Fluorobiphenyl
Concen: 3.870 ng
RT: 13.15 min Scan# 829
Delta R.T. 0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 11062

Ion	Ratio	Lower	Upper
172	100		
171	33.8	27.0	40.4
170	21.9	17.4	26.0

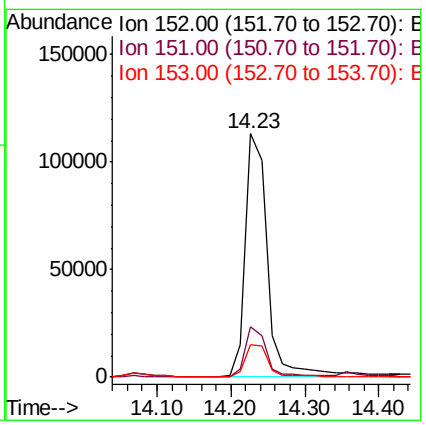


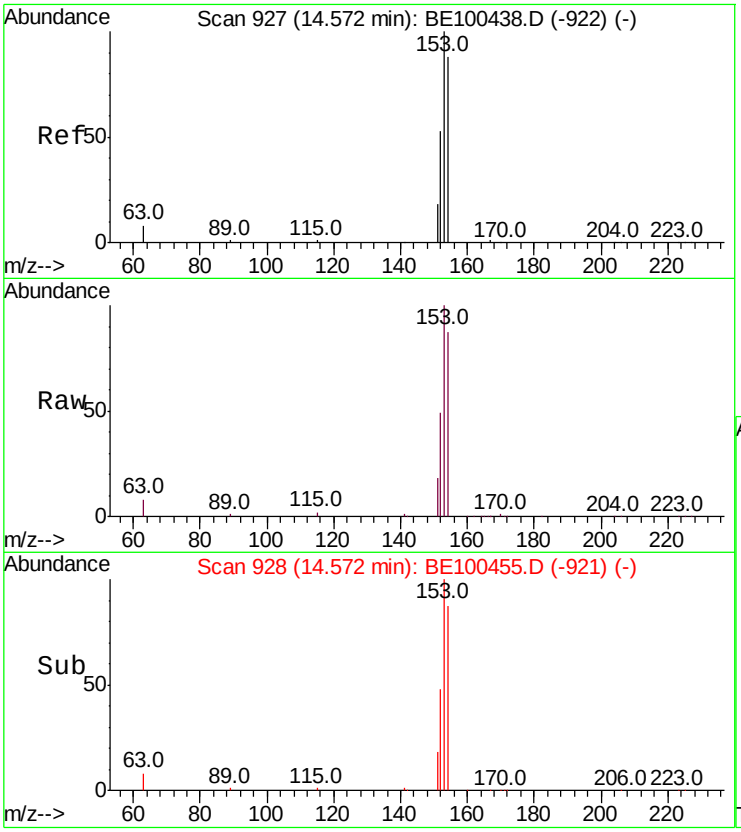


#16
Acenaphthylene
Concen: 89.731 ng
RT: 14.23 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:152 Resp: 231557

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.7	10.4	15.6



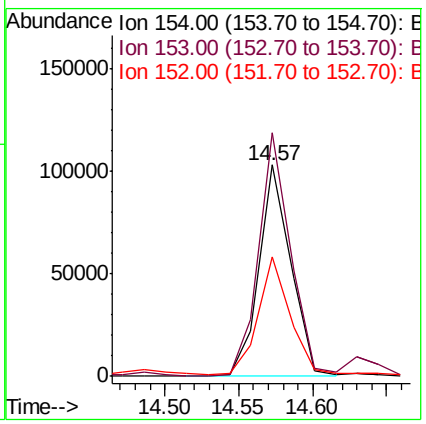


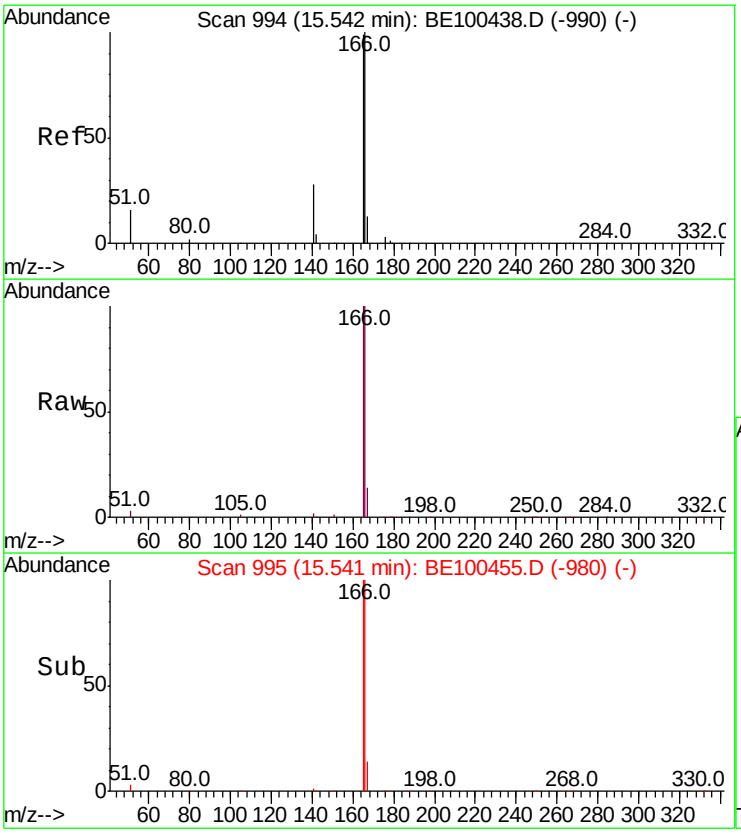
#17
Acenaphthene
Concen: 85.485 ng
RT: 14.57 min Scan# 928
Delta R.T. 0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 151573

Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.0	136.4
152	55.3	49.4	74.2

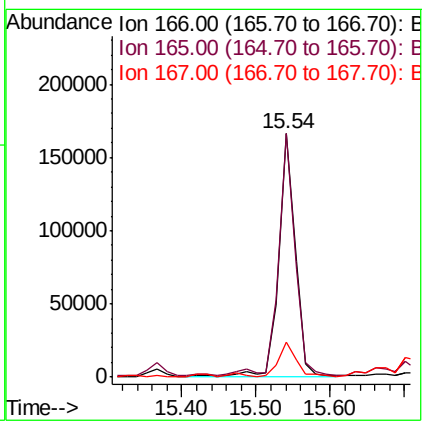


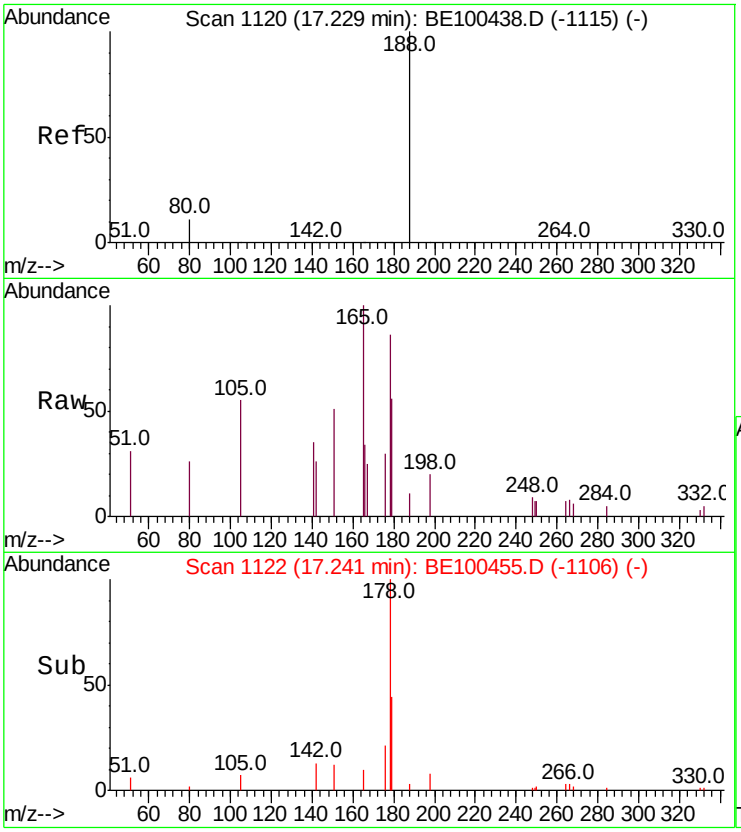


#18
Fluorene
Concen: 111.057 ng
RT: 15.54 min Scan# 995
Delta R.T. -0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:166 Resp: 253945

Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.6	119.4
167	14.8	10.6	15.8



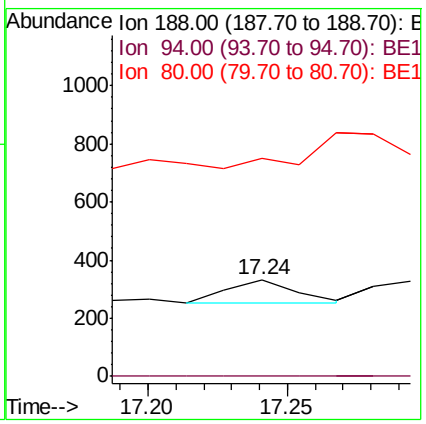


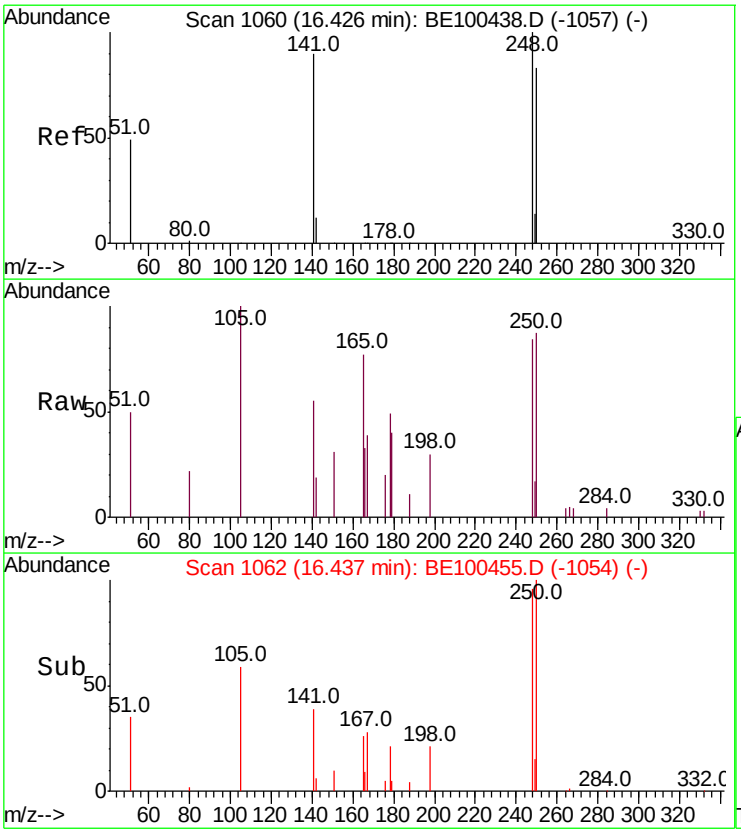
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 134

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	225.5	9.2	13.8#

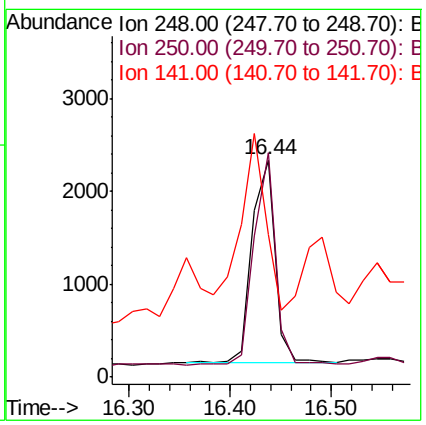


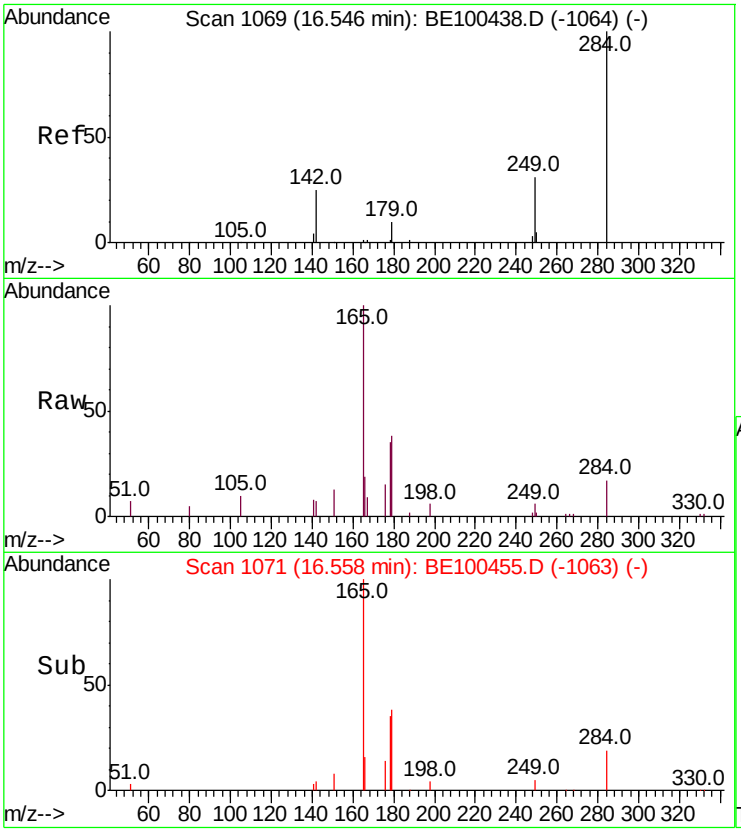


#20
4-Bromophenyl-phenylether
Concen: 49.779 ng
RT: 16.44 min Scan# 1062
Delta R.T. 0.01 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:248 Resp: 3481

Ion	Ratio	Lower	Upper
248	100		
250	103.6	67.1	100.7#
141	65.5	72.2	108.2#



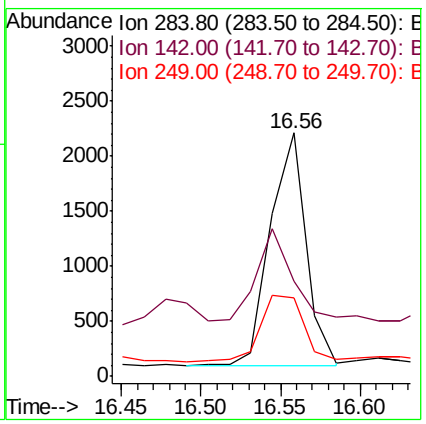


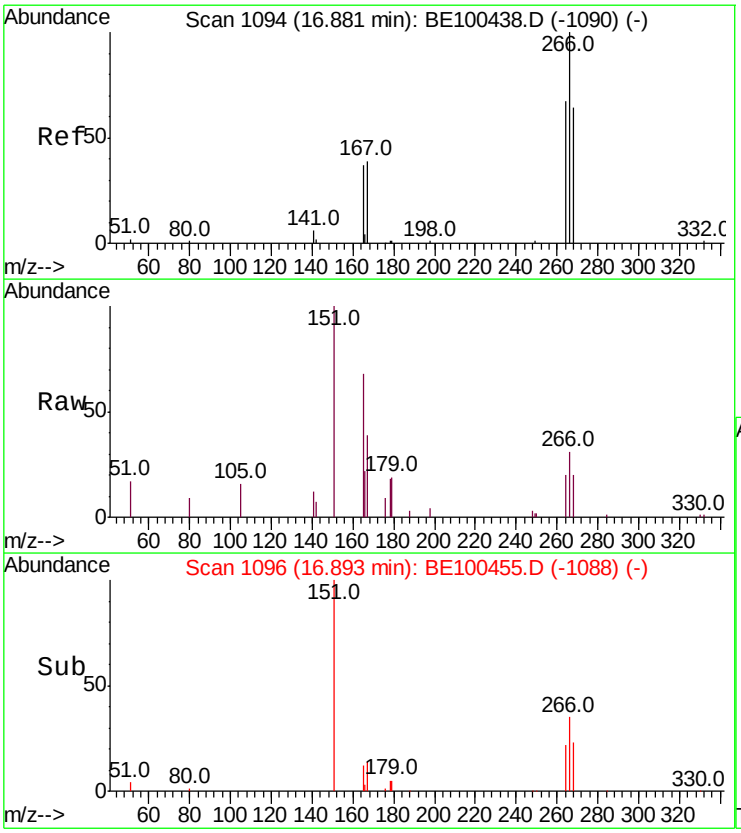
#21
Hexachlorobenzene
Concen: 40.306 ng
RT: 16.56 min Scan# 1071
Delta R.T. 0.01 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 3294

Ion	Ratio	Lower	Upper
284	100		
142	38.8	25.6	38.4#
249	34.9	25.1	37.7

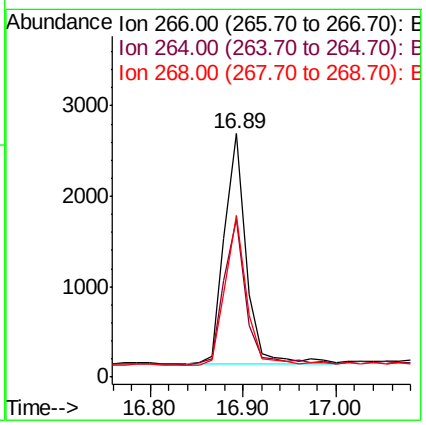


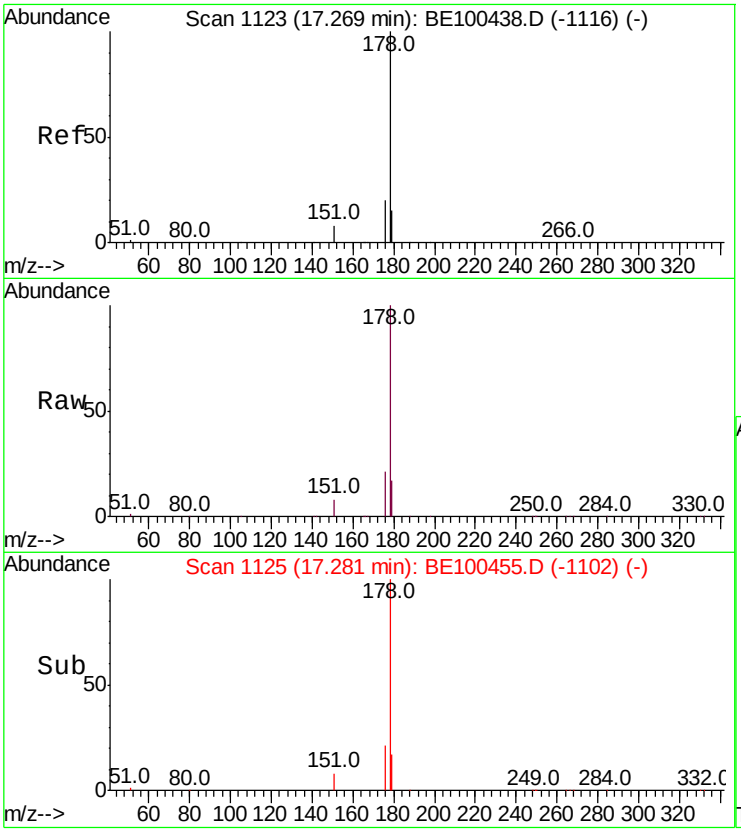


#22
Pentachlorophenol
Concen: 213.234 ng
RT: 16.89 min Scan# 1096
Delta R.T. 0.01 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:266 Resp: 4151

Ion	Ratio	Lower	Upper
266	100		
264	64.8	56.2	84.2
268	66.3	54.9	82.3



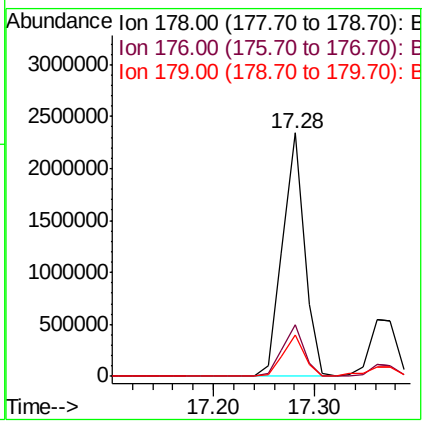


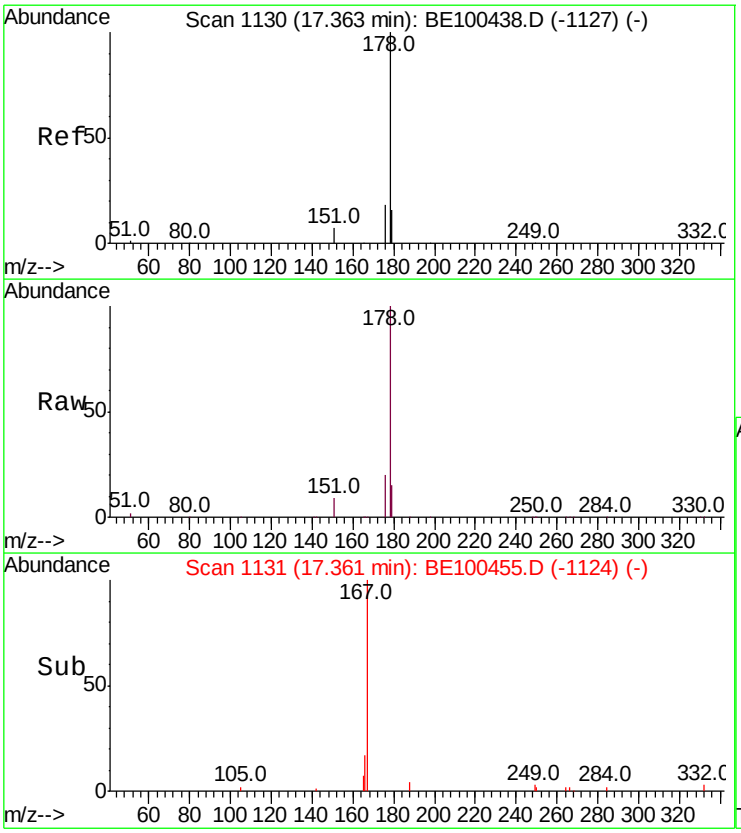
#23
Phenanthrene
Concen: 9809.498 ng
RT: 17.28 min Scan# 1125
Delta R.T. 0.01 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 3502353

Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.5	23.3
179	16.6	12.4	18.6

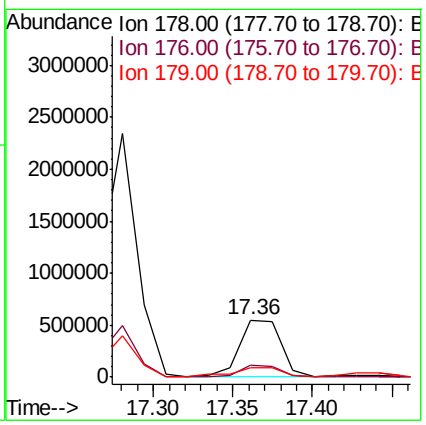


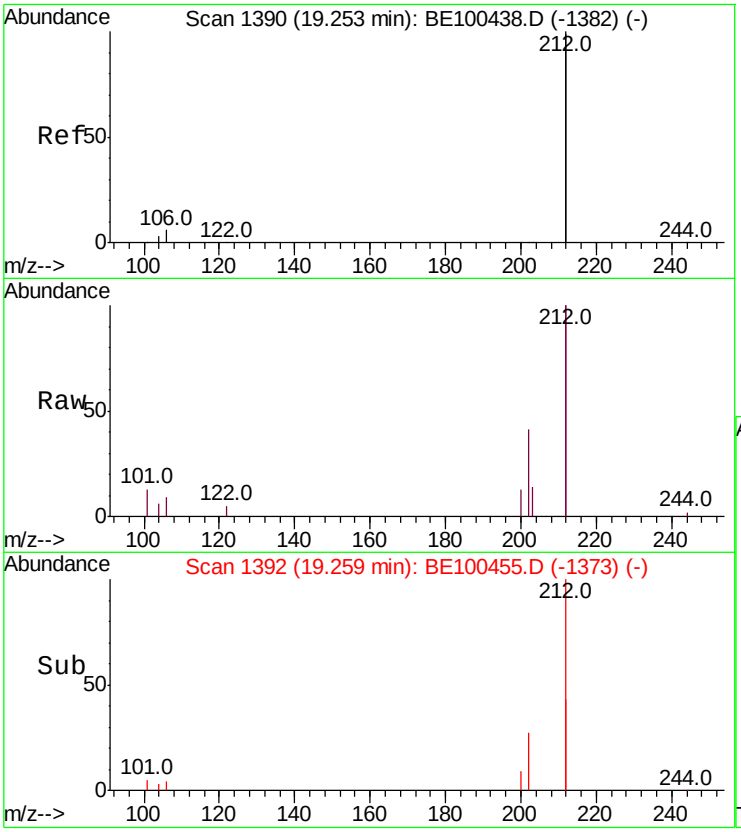


#24
Anthracene
Concen: 3326.432 ng
RT: 17.36 min Scan# 1131
Delta R.T. -0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:178 Resp: 980212

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.4
179	17.9	12.3	18.5



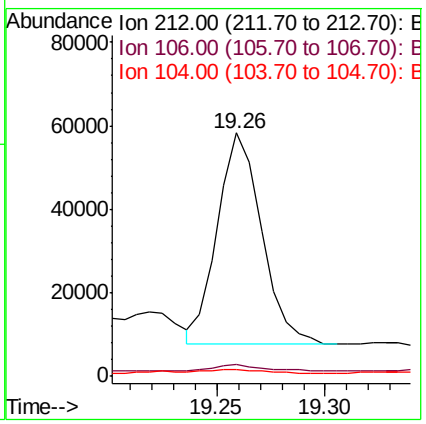


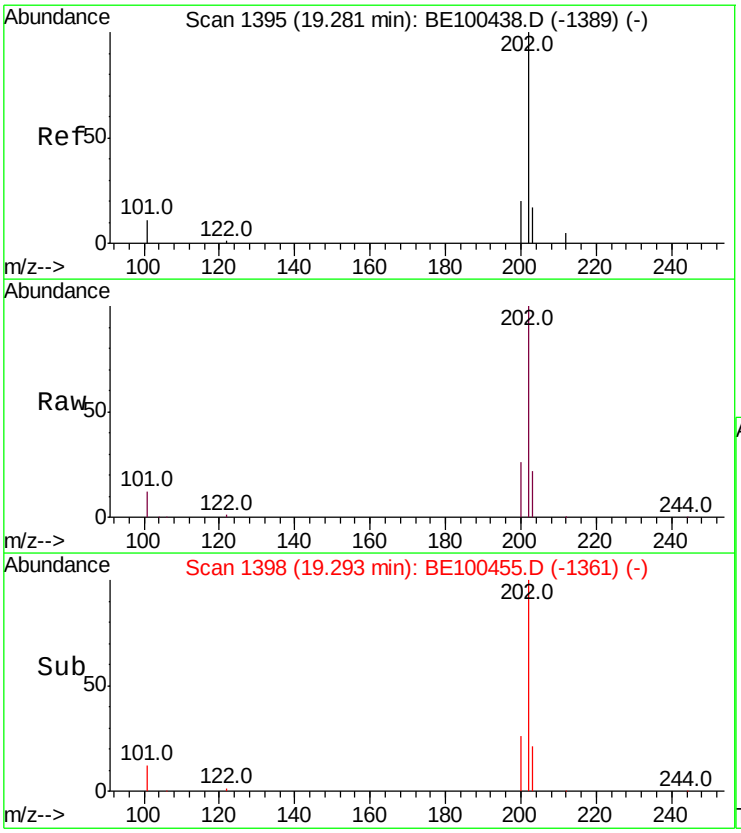
#25
Fluoranthene-d10
Concen: 45.185 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.01 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 72136

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	3.3	1.4	2.2#

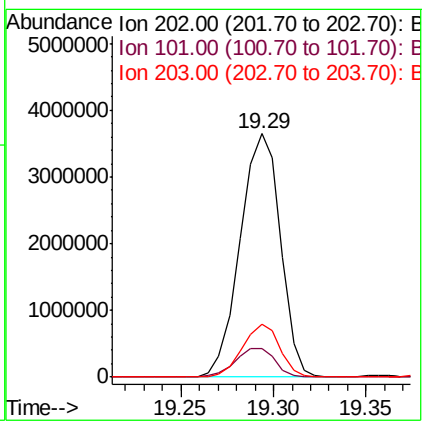


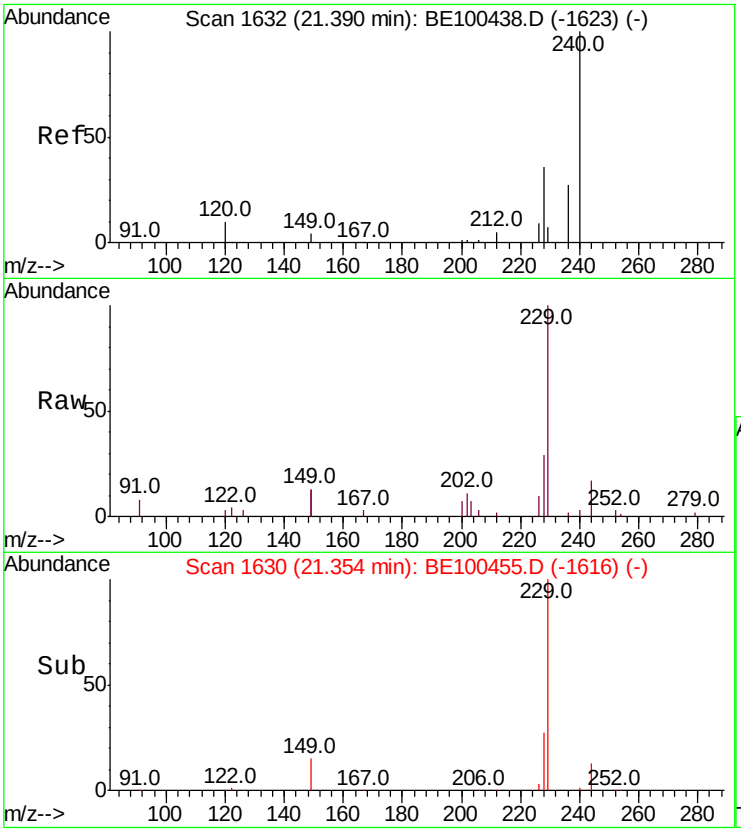


#26
Fluoranthene
Concen: 12096.525 ng
RT: 19.29 min Scan# 1398
Delta R.T. 0.01 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:202 Resp: 5489163

Ion	Ratio	Lower	Upper
202	100		
101	11.5	8.9	13.3
203	20.1	13.8	20.6



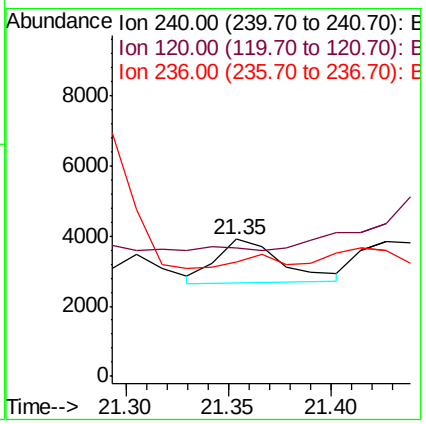


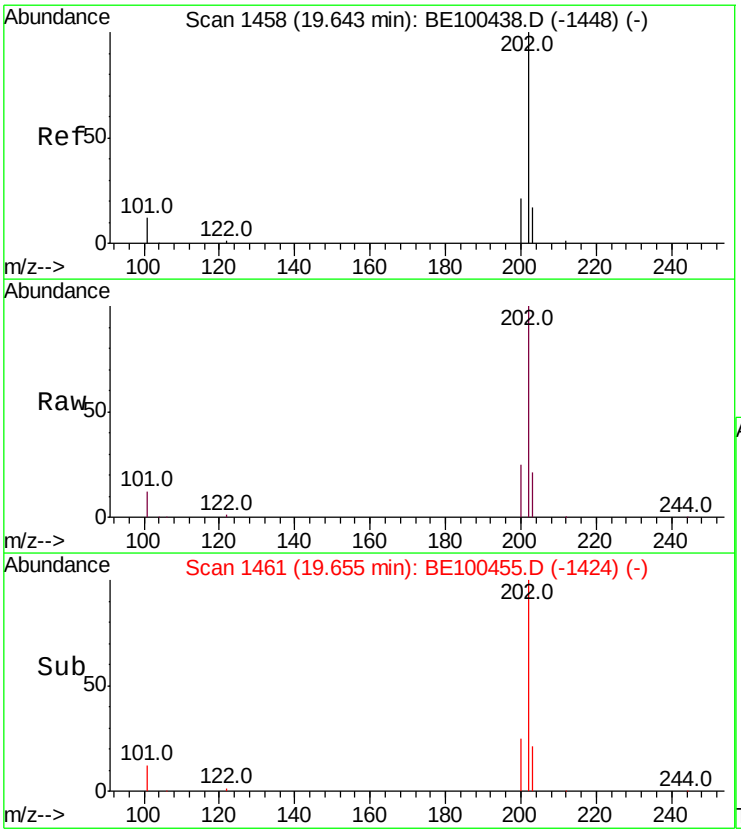
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1630
Delta R.T. -0.04 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 2709

Ion	Ratio	Lower	Upper
240	100		
120	93.9	8.8	13.2#
236	83.4	22.0	33.0#

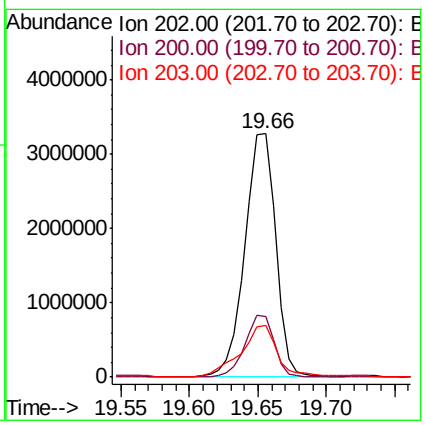


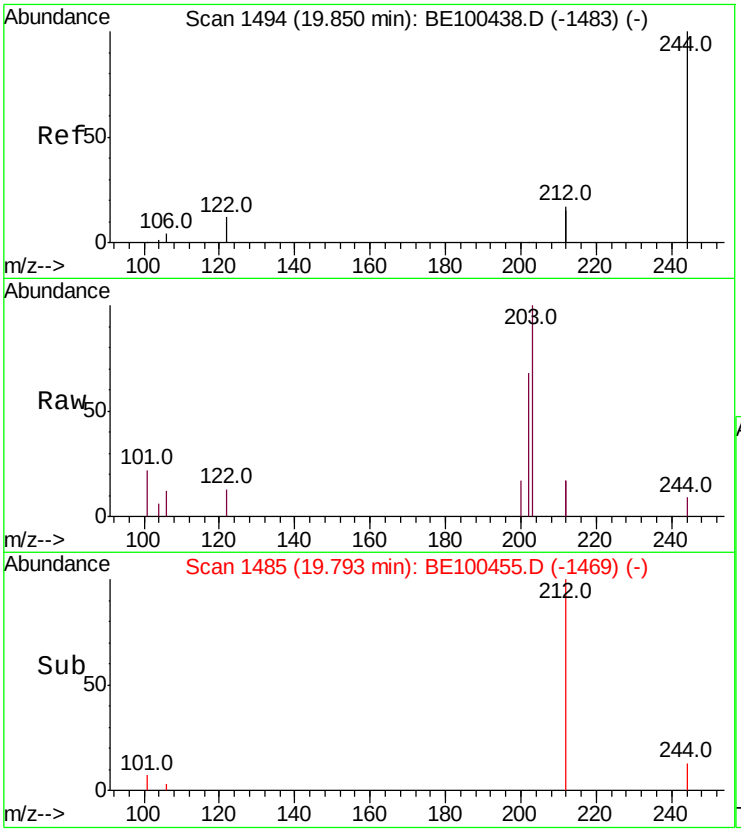


#28
Pyrene
Concen: 642.090 ng
RT: 19.66 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:202 Resp: 5088466

Ion	Ratio	Lower	Upper
202	100		
200	23.9	16.8	25.2
203	24.9	13.8	20.8#



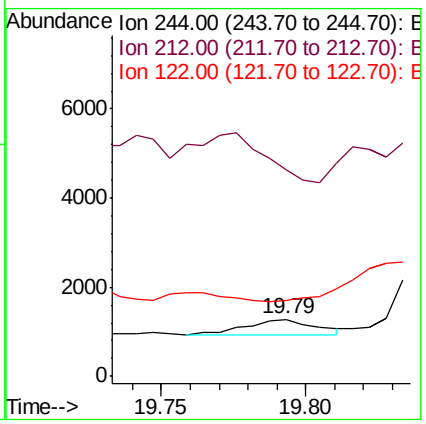


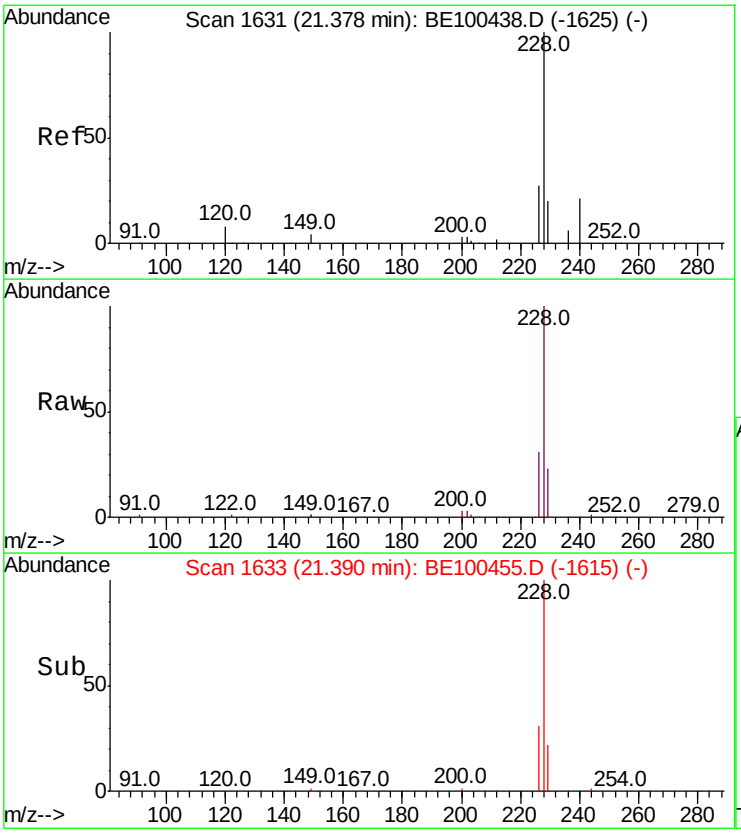
#29
Terphenyl-d14
Concen: 0.083 ng
RT: 19.79 min Scan# 1485
Delta R.T. -0.06 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 549

Ion	Ratio	Lower	Upper
244	100		
212	361.4	26.3	39.5#
122	133.4	9.4	14.2#

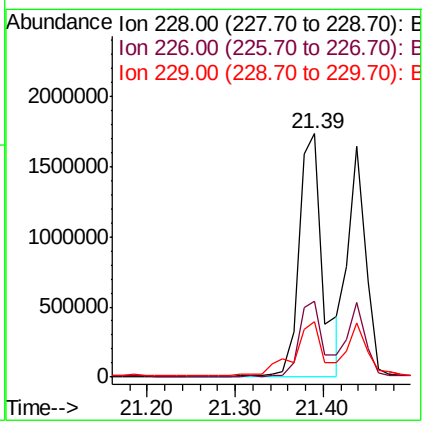


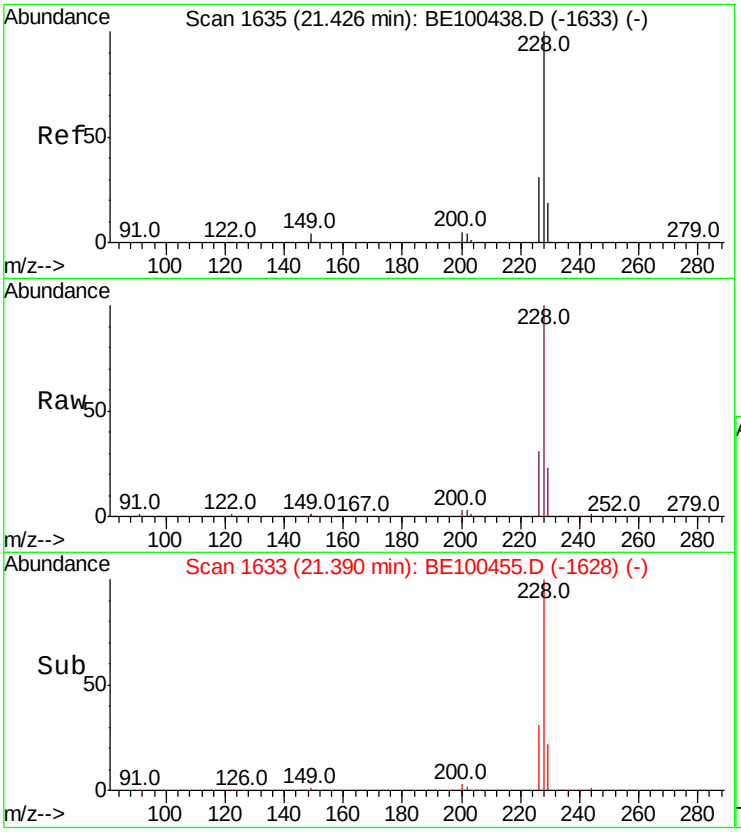


#30
Benzo(a)anthracene
Concen: 445.743 ng
RT: 21.39 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:228 Resp: 3277292

Ion	Ratio	Lower	Upper
228	100		
226	31.4	21.6	32.4
229	23.0	15.8	23.8



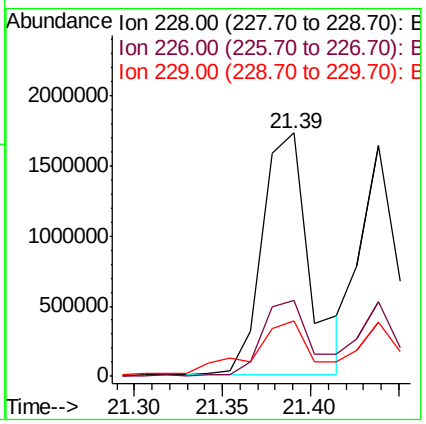


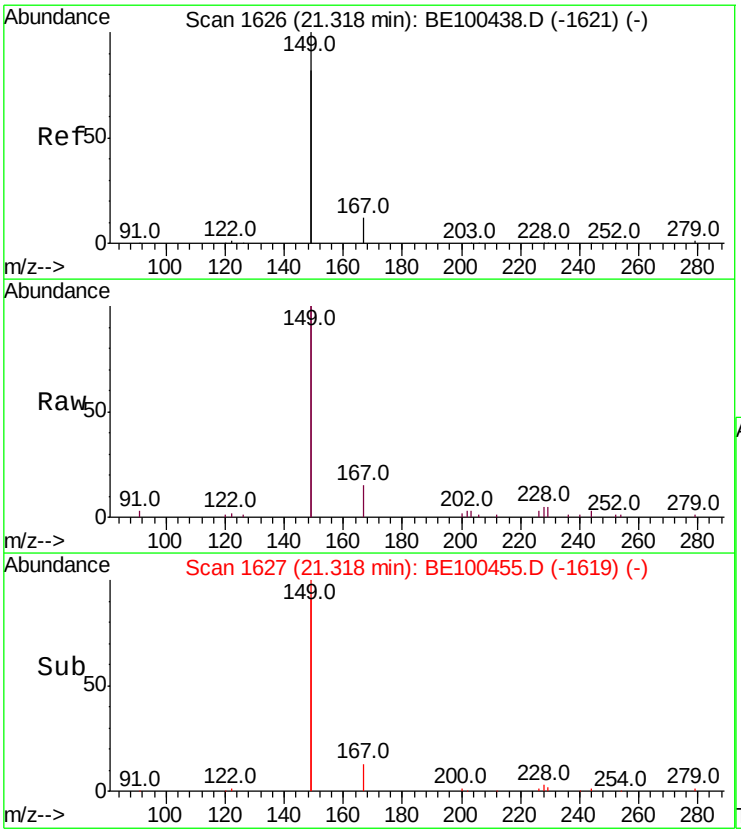
#31
Chrysene
Concen: 368.371 ng
RT: 21.39 min Scan# 1633
Delta R.T. -0.04 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 3216351

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.8	37.2
229	23.0	15.8	23.6

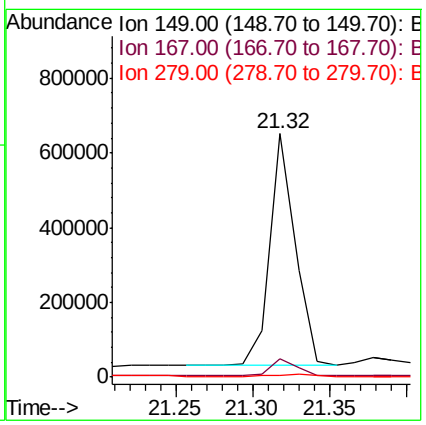


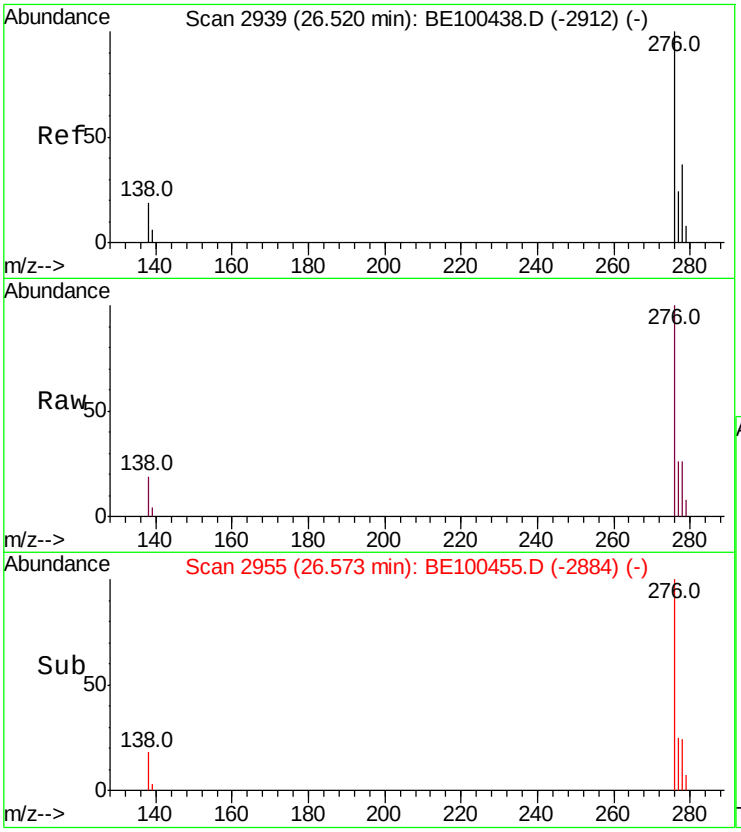


#32
Bis(2-ethylhexyl)phthalate
Concen: 136.264 ng
RT: 21.32 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:149 Resp: 718576

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.0	7.6
279	1.1	1.2	1.8#



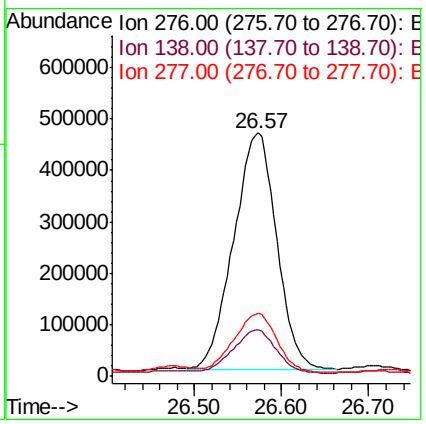


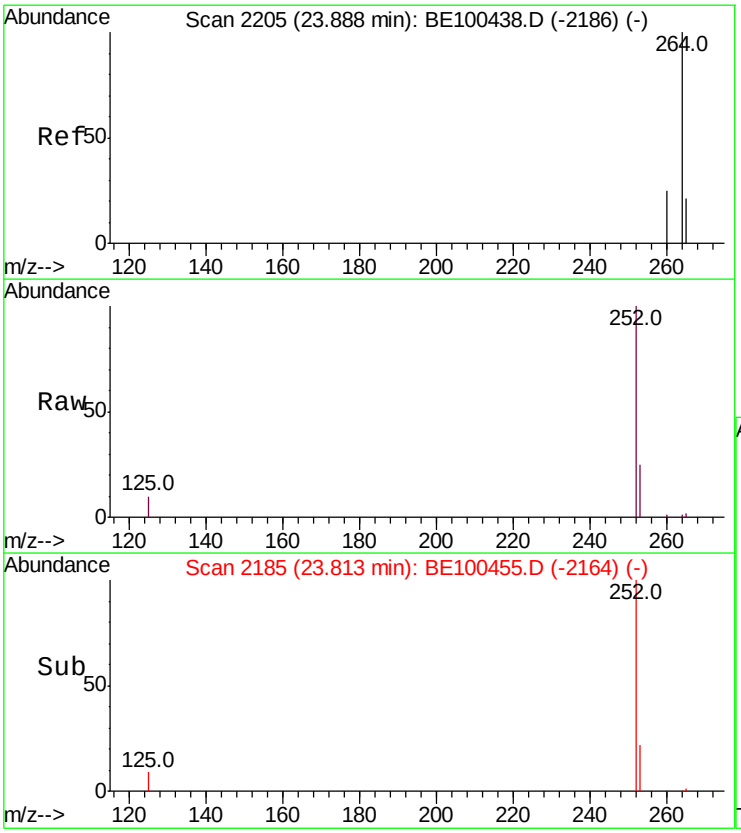
#33
Indeno(1,2,3-cd)pyrene
Concen: 203.178 ng
RT: 26.57 min Scan# 2955
Delta R.T. 0.05 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 1577199

Ion	Ratio	Lower	Upper
276	100		
138	18.1	17.0	25.6
277	25.1	19.8	29.6

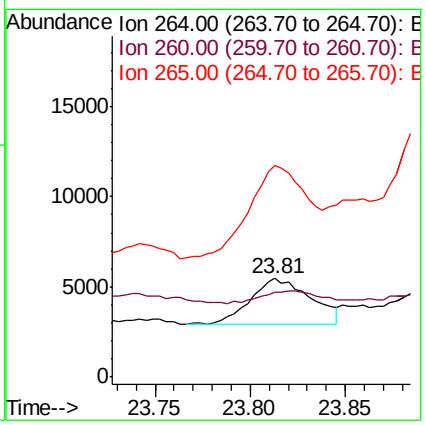


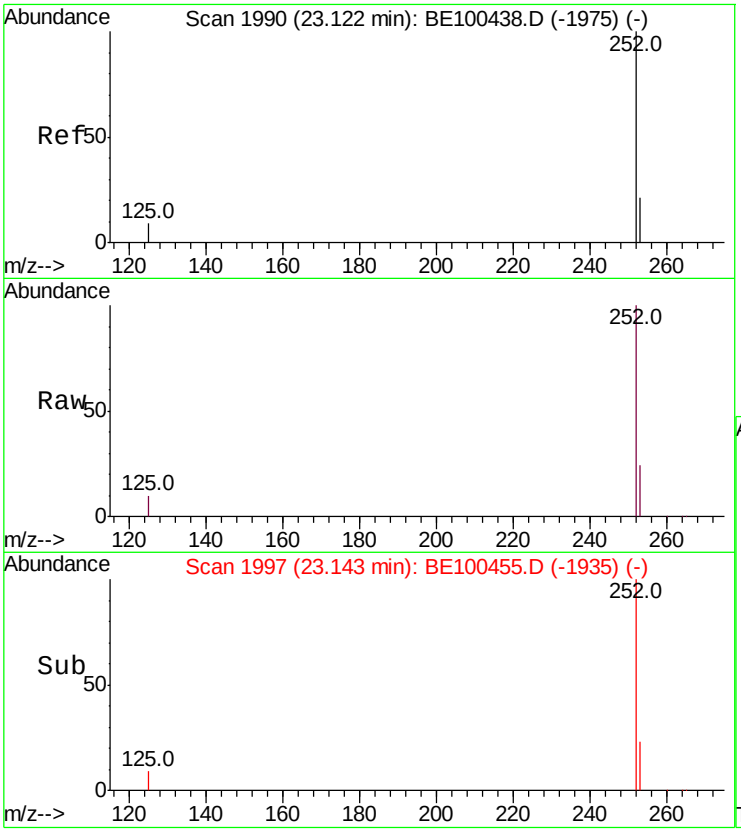


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.81 min Scan# 2185
Delta R.T. -0.07 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:264 Resp: 5710

Ion	Ratio	Lower	Upper
264	100		
260	85.8	20.0	30.0#
265	214.5	22.2	33.4#



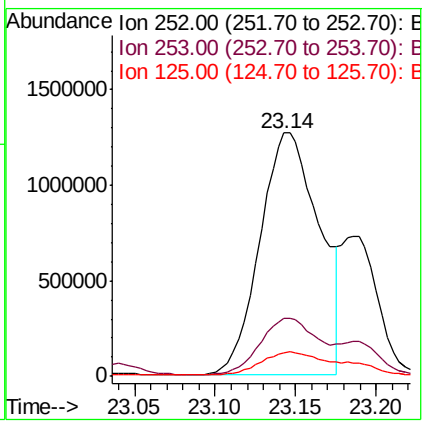


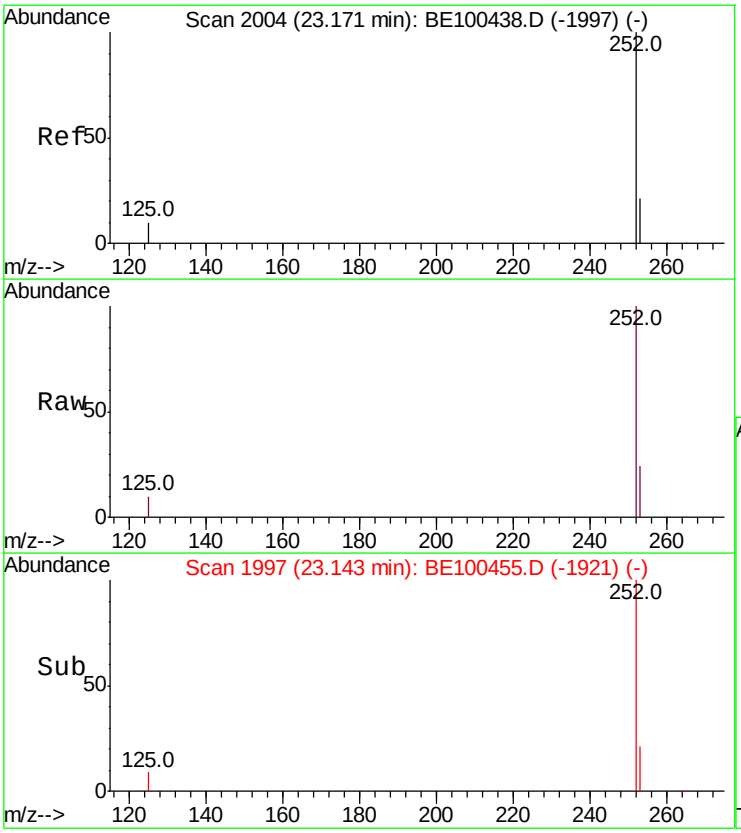
#35
Benzo(b)fluoranthene
Concen: 187.205 ng
RT: 23.14 min Scan# 1997
Delta R.T. 0.02 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 3265986

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	9.7	8.0	12.0

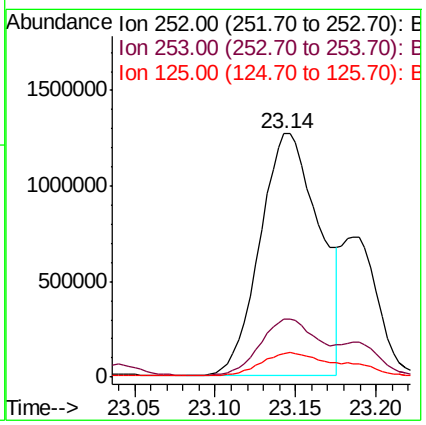


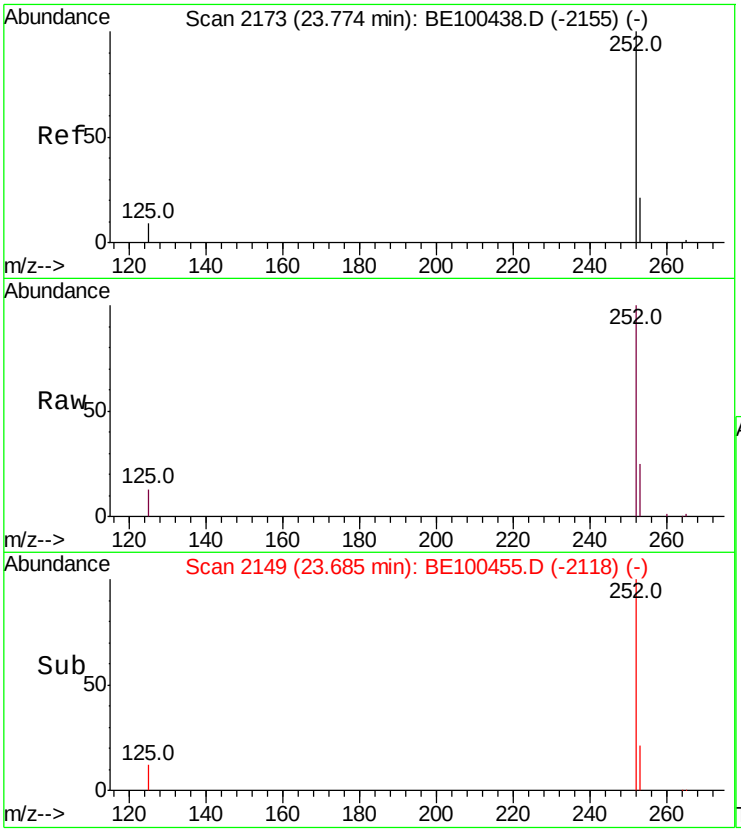


#36
Benzo(k)fluoranthene
Concen: 176.909 ng
RT: 23.14 min Scan# 1997
Delta R.T. -0.03 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:252 Resp: 3265986

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	9.7	8.3	12.5



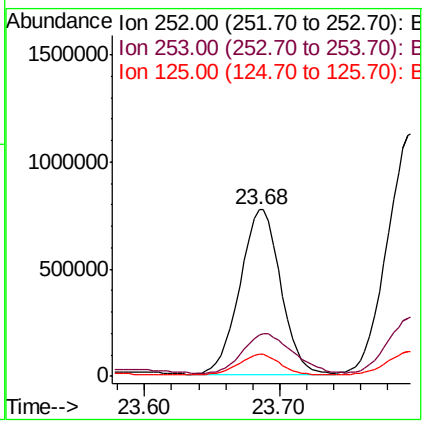


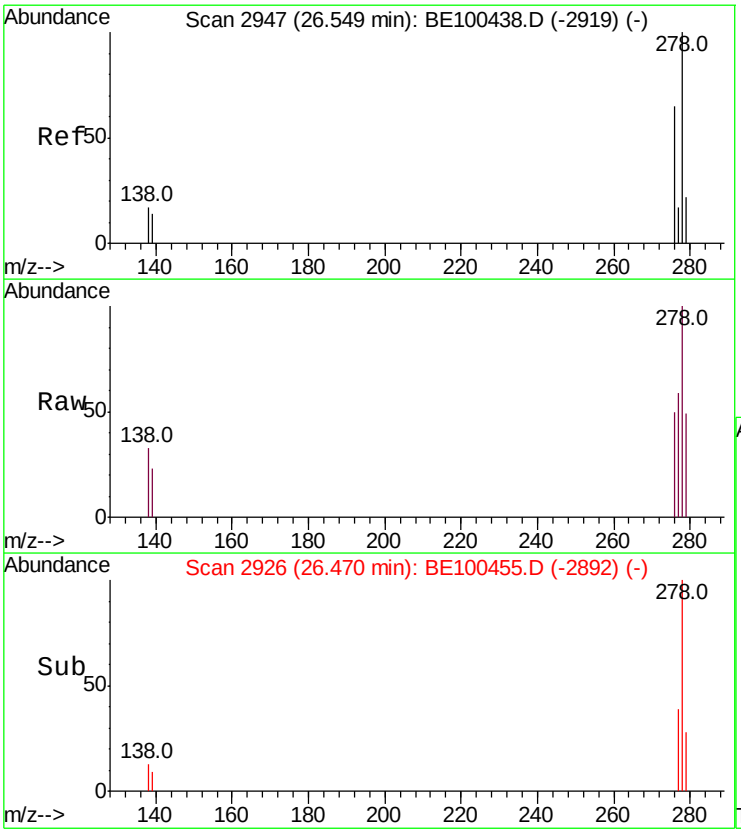
#37
Benzo(a)pyrene
Concen: 112.010 ng
RT: 23.68 min Scan# 2149
Delta R.T. -0.09 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 1606825

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	13.4	9.0	13.6

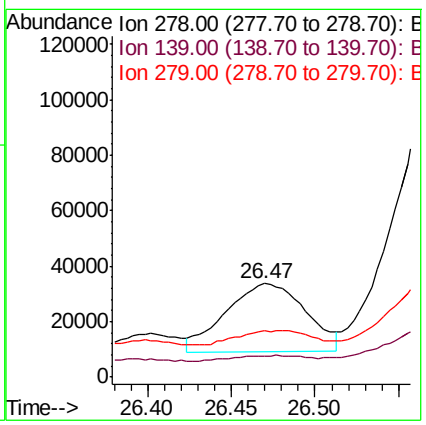


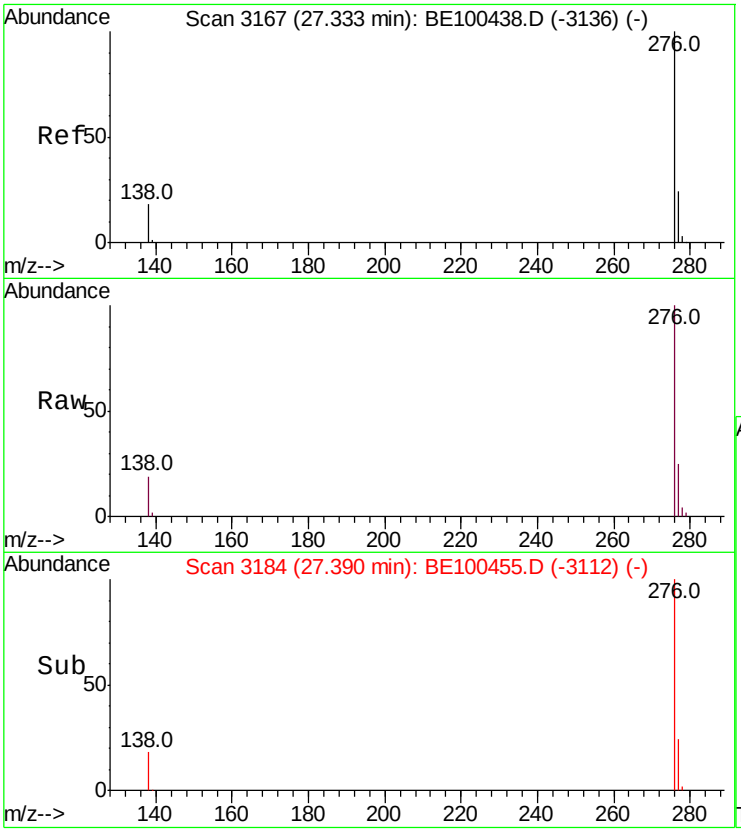


#38
Dibenzo(a,h)anthracene
Concen: 5.378 ng
RT: 26.47 min Scan# 2926
Delta R.T. -0.08 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Tgt Ion:278 Resp: 82260

Ion	Ratio	Lower	Upper
278	100		
139	23.1	12.2	18.2#
279	49.5	18.6	27.8#





#39
Benzo(g,h,i)perylene
Concen: 90.107 ng
RT: 27.39 min Scan# 3184
Delta R.T. 0.06 min
Lab File: BE100455.D
Acq: 17 Jul 2019 18:55

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 1441317

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.6	29.4
138	18.9	15.1	22.7