Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121119\
Data File : BE100846.D
Acq On : 11 Dec 2019 14:38
Operator : JU
Sample : K6185-08MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : RE131D2-20191205MSD

Quant Time: Dec 11 15:14:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 17:18:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4950	0.40	ng		-0.01
7) Naphthalene-d8	10.54	136	21474	0.40	ng		0.00
13) Acenaphthene-d10	14.40	164	12237	0.40	ng		0.00
19) Phenanthrene-d10	17.12	188	31448	0.40	ng		-0.01
27) Chrysene-d12	21.31	240	28935	0.40	ng		0.00
34) Perylene-d12	23.74	264	33349	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.38	112	2541	0.22	ng		0.00
5) Phenol-d6	6.93	99	2348	0.13	ng		0.00
8) Nitrobenzene-d5	8.90	82	5796	0.57	ng		0.00
11) 2-Methylnaphthalene-d10	12.14	152	21068	0.68	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	1086	0.80	ng		0.00
15) 2-Fluorobiphenyl	13.02	172	19443	0.40	ng		-0.01
25) Fluoranthene-d10	19.16	212	151873	0.41	ng		0.00
29) Terphenyl-d14	19.76	244	29170	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	71043	7.872	ng		90
3) n-Nitrosodimethylamine	3.65	42	1256	0.171	ng		84
6) bis(2-Chloroethyl)ether	7.18	93	7209	0.421	ng		96
9) Naphthalene	10.59	128	96601	0.423	ng		100
10) Hexachlorobutadiene	10.89	225	2634	0.296	ng		99
12) 2-Methylnaphthalene	12.21	142	15414	0.433	ng		98
16) Acenaphthylene	14.11	152	23100	0.456	ng		99
17) Acenaphthene	14.46	154	15087	0.432	ng		98
18) Fluorene	15.42	166	20562	0.457	ng		98
20) 4-Bromophenyl-phenylether	16.32	248	6085	0.394	ng	#	68
21) Hexachlorobenzene	16.44	284	5981	0.357	ng		99
22) Pentachlorophenol	16.77	266	2984	2.574	ng	#	82
23) Phenanthrene	17.16	178	40199	0.422	ng		100
24) Anthracene	17.26	178	34108	0.428	ng		98
26) Fluoranthene	19.19	202	46209	0.406	ng		100
28) Pyrene	19.55	202	46019	0.489	ng		100
30) Benzo(a)anthracene	21.28	228	45766	0.537	ng		98
31) Chrysene	21.34	228	45836	0.457	ng		97
32) Bis(2-ethylhexyl)phthalate	21.23	149	75936	1.125	ng		100
33) Indeno(1,2,3-cd)pyrene	26.32	276	41548	0.476	ng		100
35) Benzo(b)fluoranthene	23.00	252	41888	0.459	ng		100
36) Benzo(k)fluoranthene	23.05	252	45399	0.443	ng		99
37) Benzo(a)pyrene	23.63	252	37566	0.475	ng		99
38) Dibenzo(a,h)anthracene	26.35	278	33522	0.426	ng		98
39) Benzo(g,h,i)perylene	27.11	276	36499	0.434	ng		99

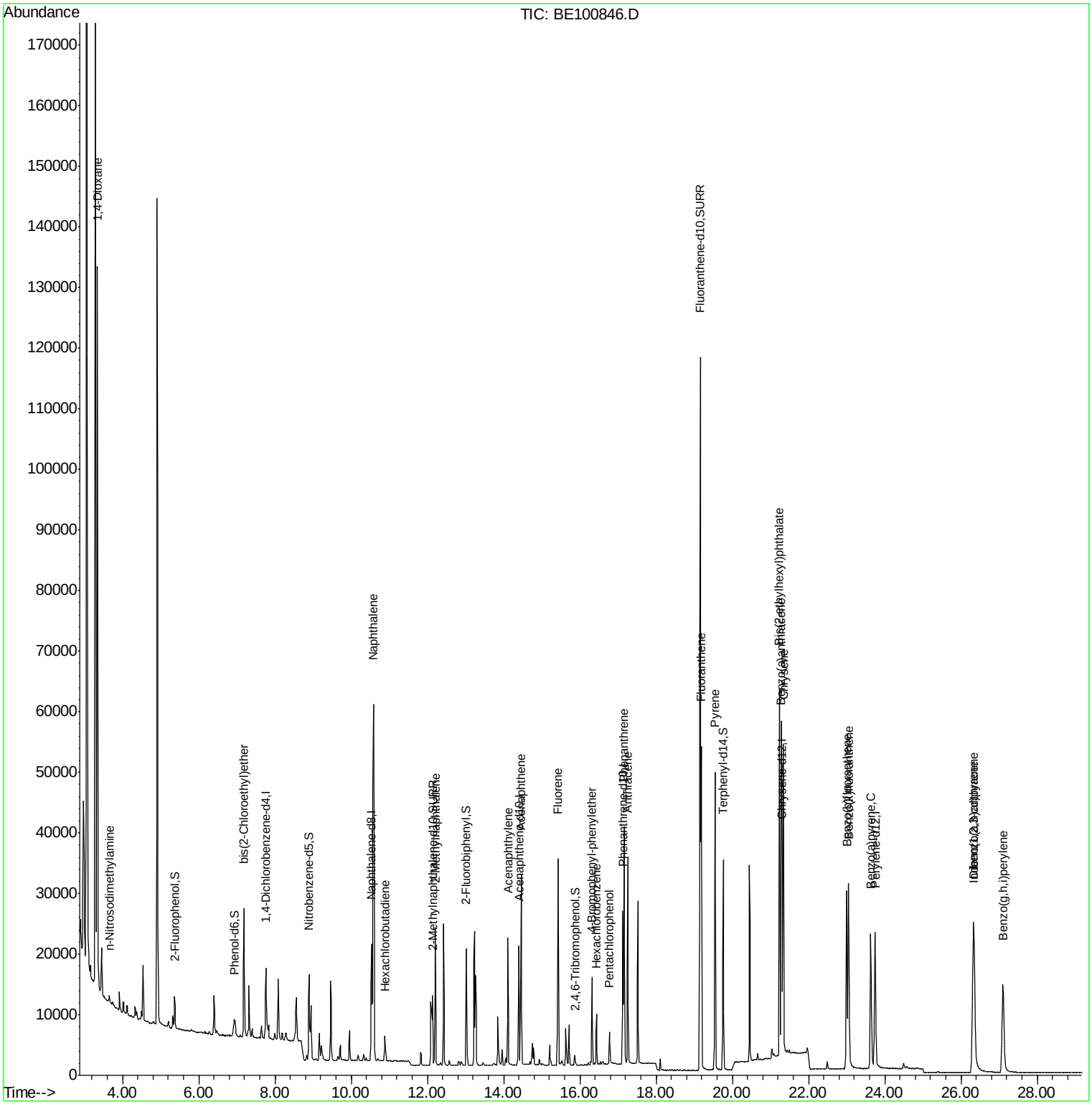
(#) = qualifier out of range (m) = manual integration (+) = signals summed

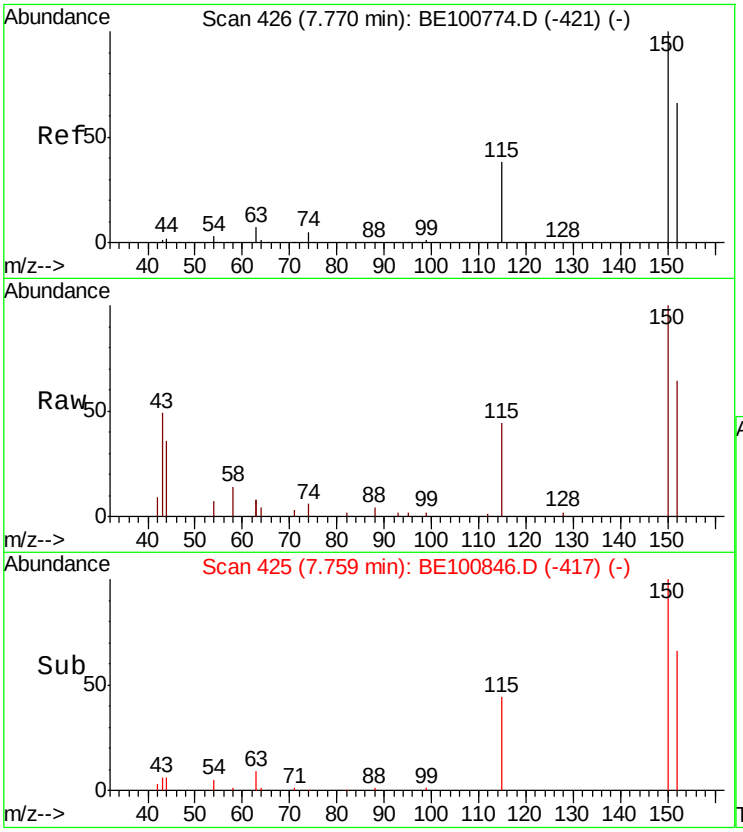
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121119\
Data File : BE100846.D
Acq On : 11 Dec 2019 14:38
Operator : JU
Sample : K6185-08MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Quant Time: Dec 11 15:14:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 17:18:11 2019
Response via : Initial Calibration



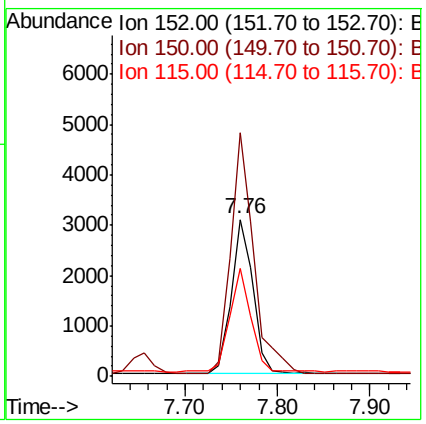


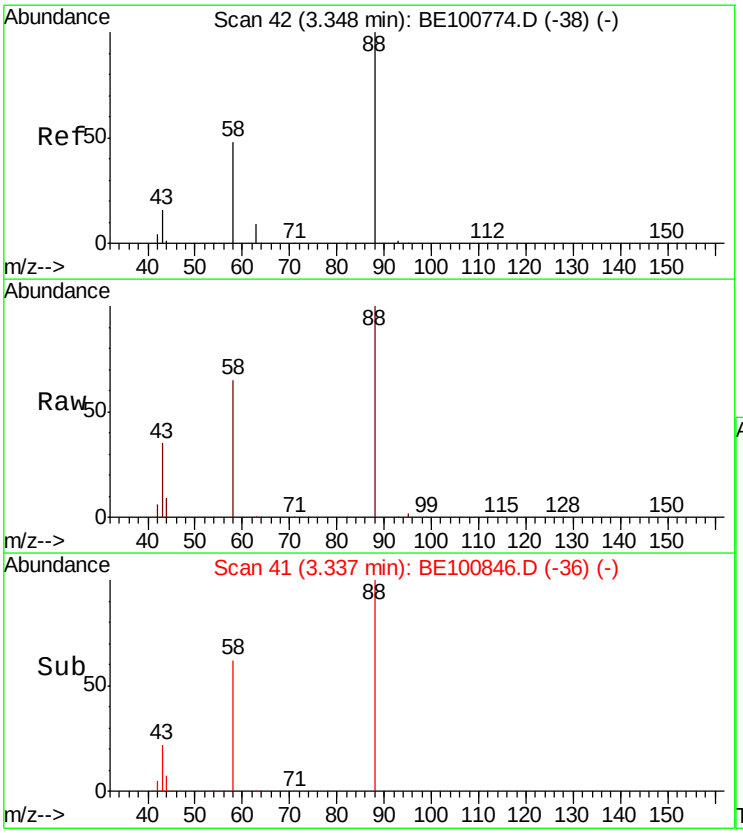
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:152 Resp: 4950

Ion	Ratio	Lower	Upper
152	100		
150	155.3	120.6	181.0
115	68.9	47.4	71.2

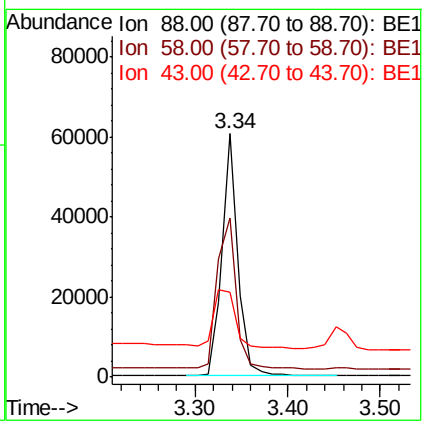


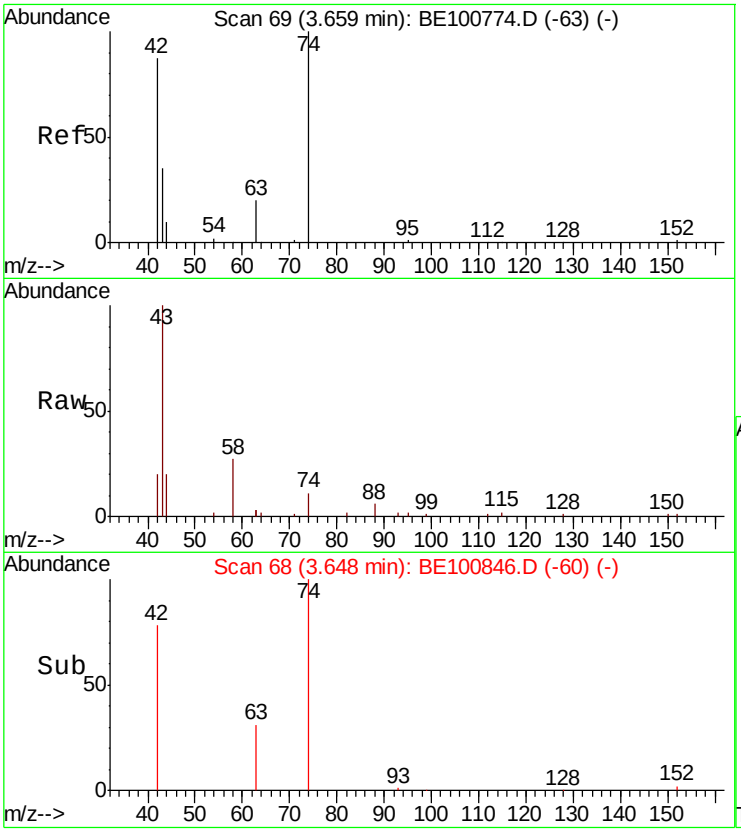


#2
1,4-Dioxane
Concen: 7.872 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion: 88 Resp: 71043

Ion	Ratio	Lower	Upper
88	100		
58	74.0	52.5	78.7
43	33.3	23.0	34.6

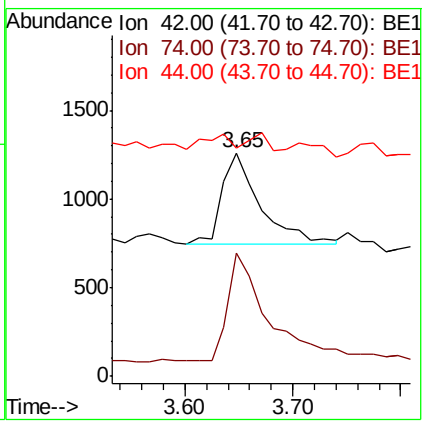




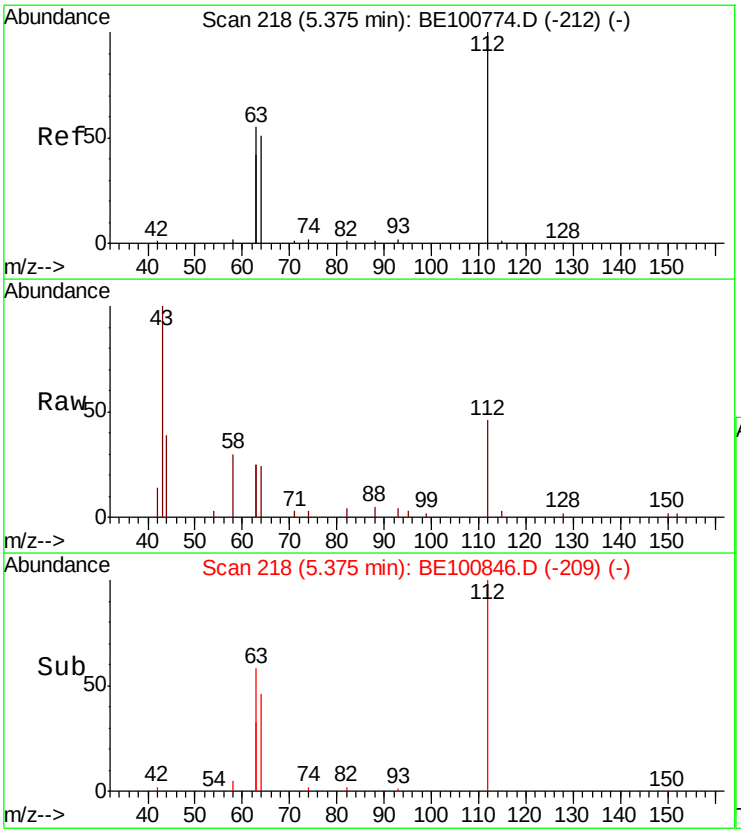
#3
n-Nitrosodimethylamine
Concen: 0.171 ng
RT: 3.65 min Scan# 68
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion: 42 Resp: 1256

Ion	Ratio	Lower	Upper
42	100		
74	126.9	86.3	129.5
44	13.1	11.6	17.4



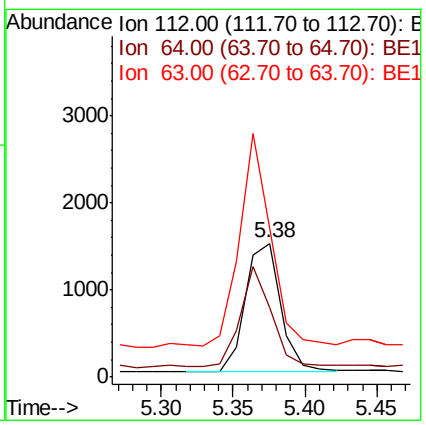
Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

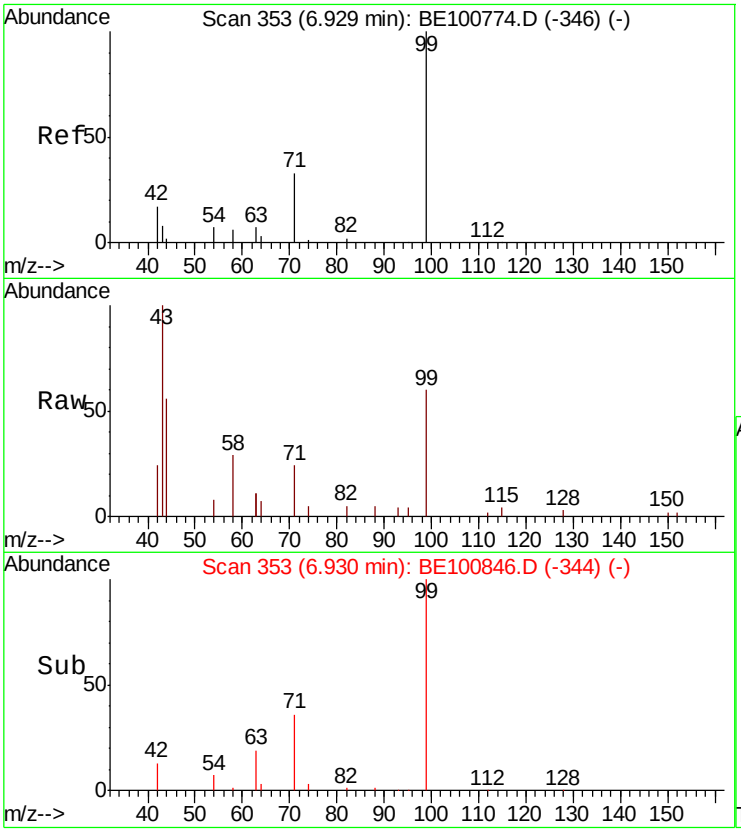


#4
2-Fluorophenol
Concen: 0.216 ng
RT: 5.38 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:112 Resp: 2541

Ion	Ratio	Lower	Upper
112	100		
64	67.7	54.1	81.1
63	147.1	113.2	169.8



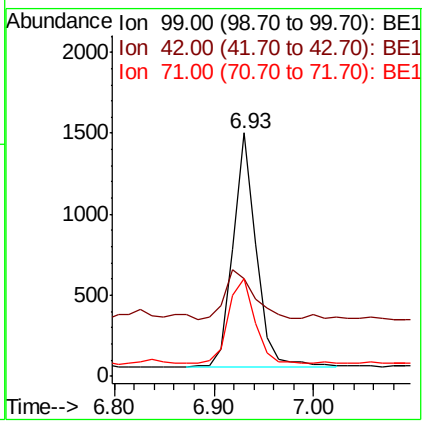


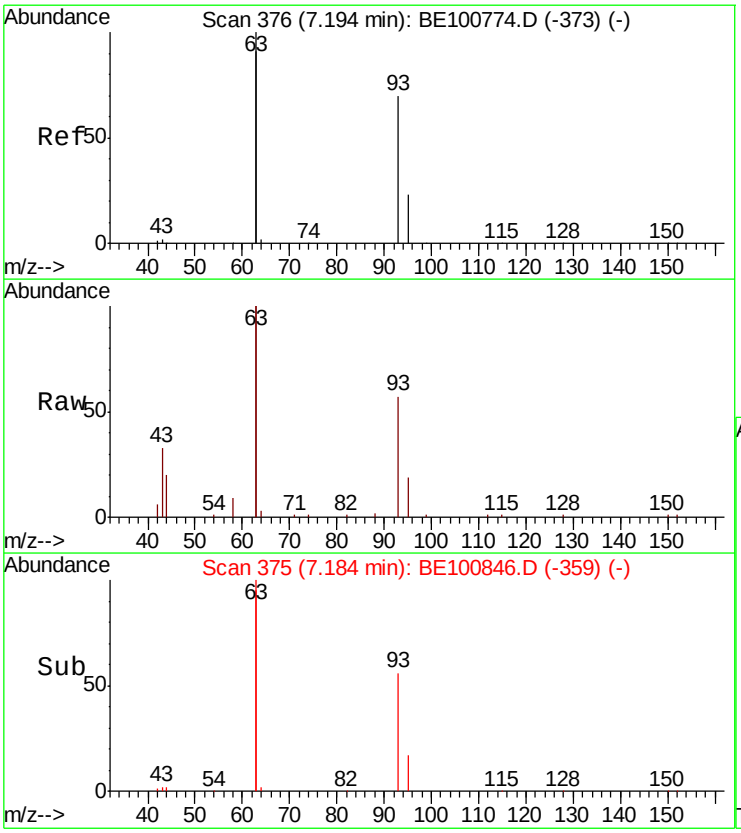
#5
Phenol-d6
Concen: 0.132 ng
RT: 6.93 min Scan# 353
Delta R.T. 0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion: 99 Resp: 2348

Ion	Ratio	Lower	Upper
99	100		
42	25.9	19.1	28.7
71	41.4	27.7	41.5

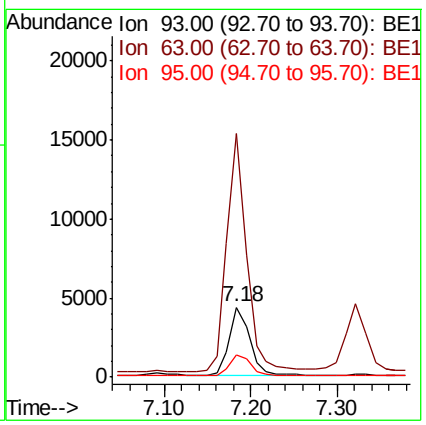


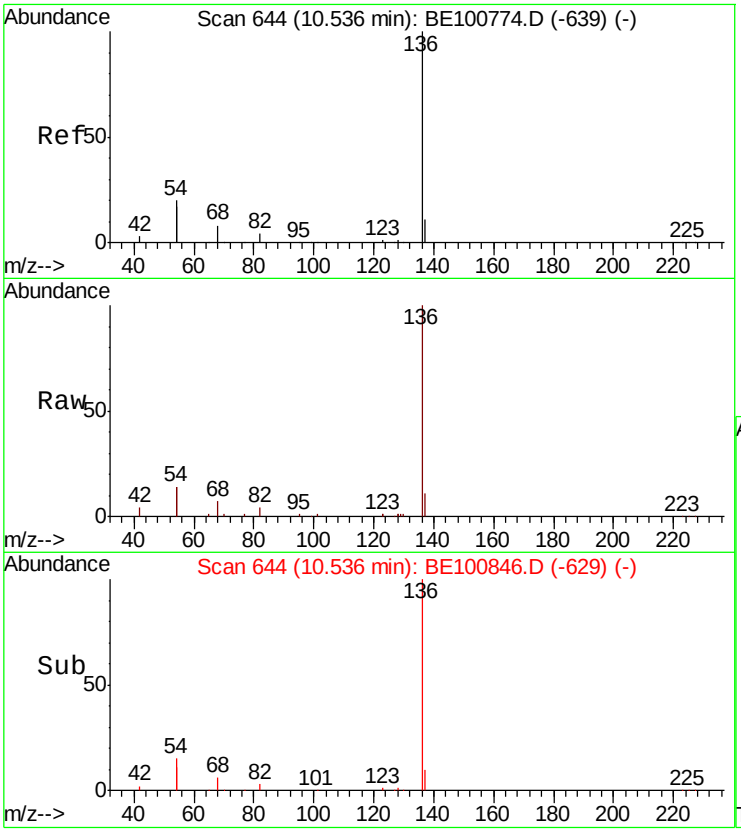


#6
bis(2-Chloroethyl)ether
Concen: 0.421 ng
RT: 7.18 min Scan# 375
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion: 93 Resp: 7209

Ion	Ratio	Lower	Upper
93	100		
63	332.3	259.4	389.0
95	32.9	26.2	39.2



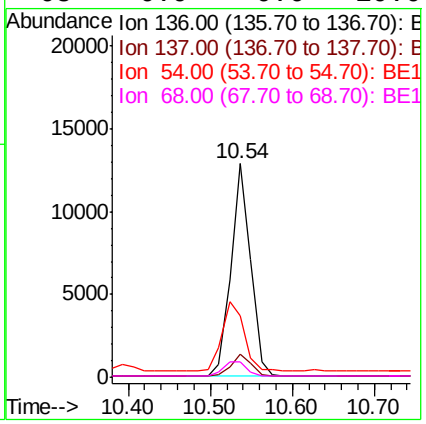


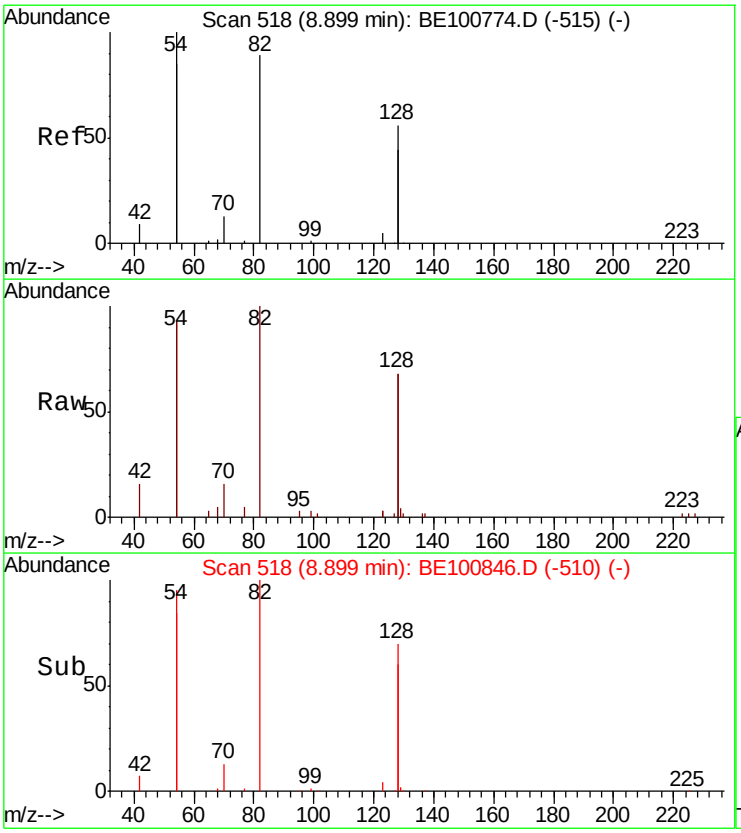
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 644
Delta R.T. 0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:136 Resp: 21474

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.4	14.0
54	29.0	31.1	46.7#
68	6.9	6.6	10.0

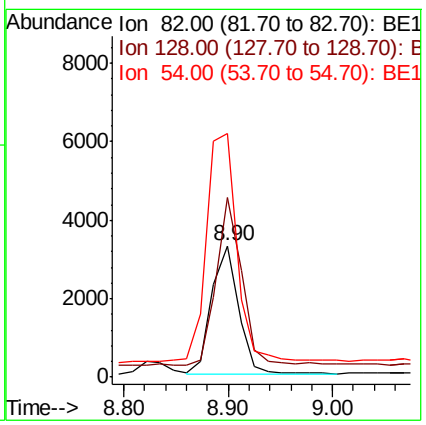


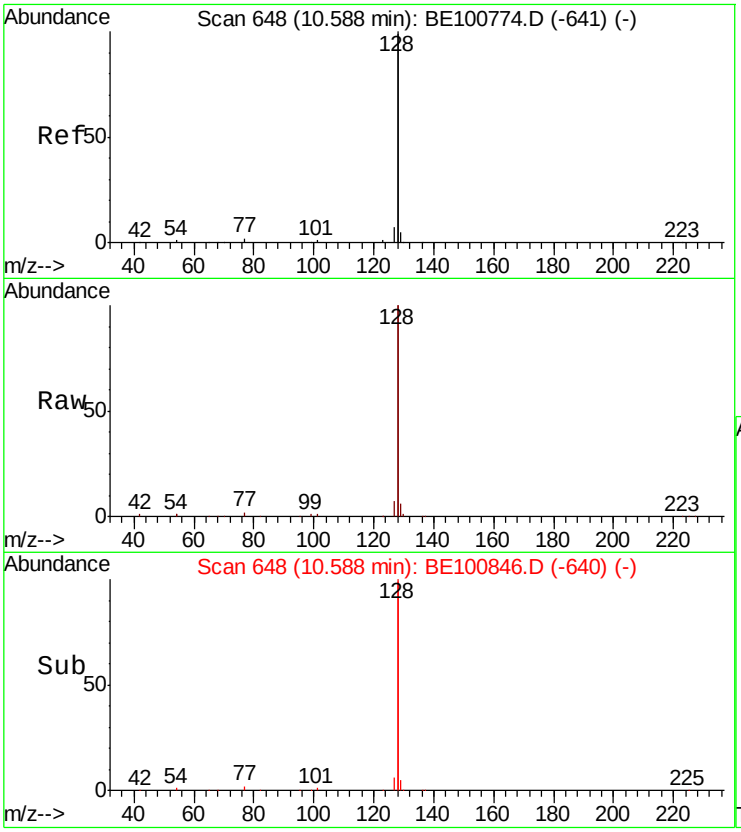


#8
Nitrobenzene-d5
Concen: 0.567 ng
RT: 8.90 min Scan# 518
Delta R.T. 0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion: 82 Resp: 5796

Ion	Ratio	Lower	Upper
82	100		
128	136.2	97.0	145.4
54	185.3	171.8	257.6



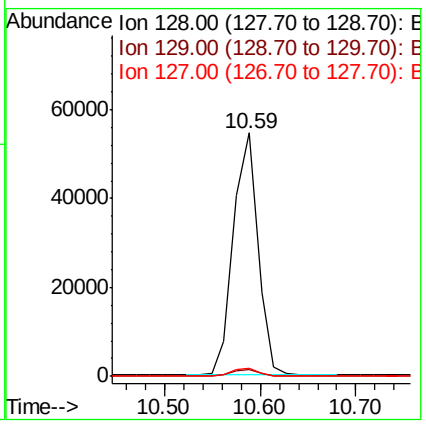


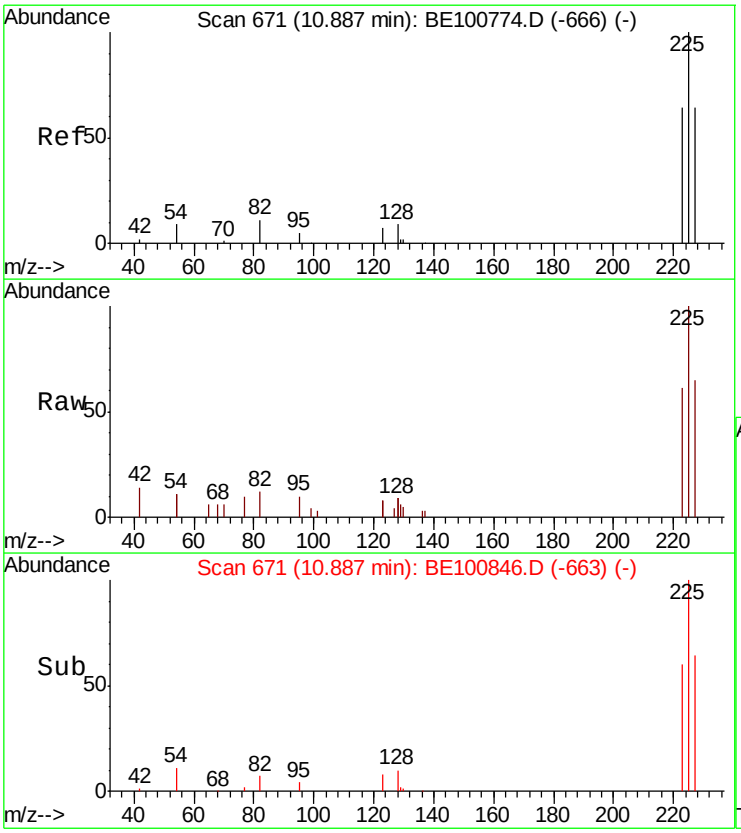
#9
Naphthalene
Concen: 0.423 ng
RT: 10.59 min Scan# 648
Delta R.T. 0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:128 Resp: 96601

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.4
127	3.3	2.7	4.1

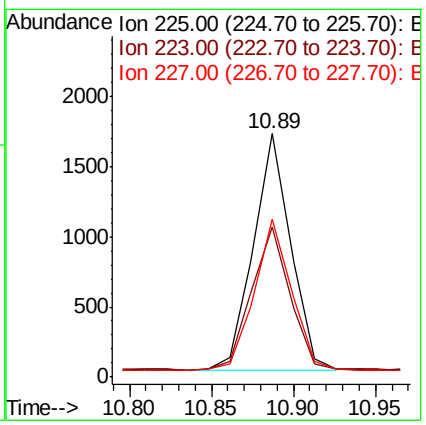


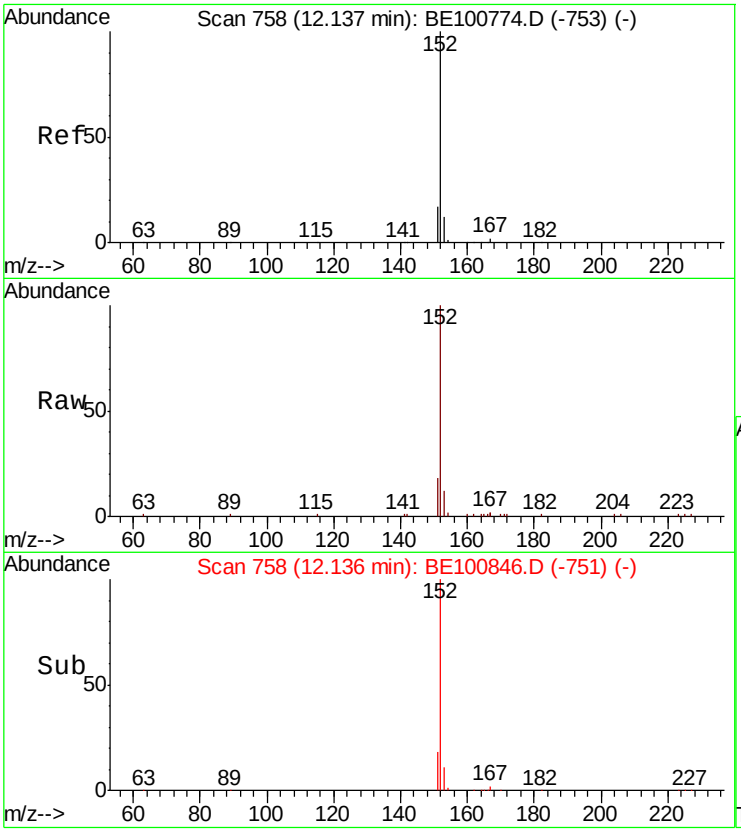


#10
Hexachlorobutadiene
Concen: 0.296 ng
RT: 10.89 min Scan# 671
Delta R.T. 0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:225 Resp: 2634

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.9	74.9
227	63.5	52.2	78.4



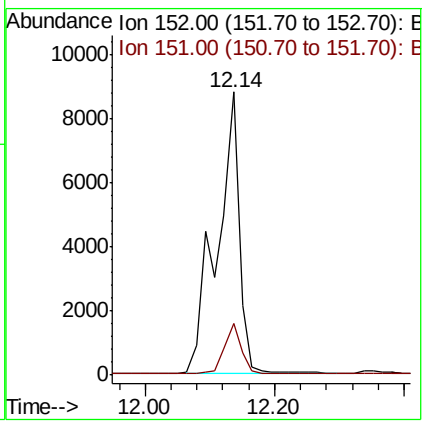


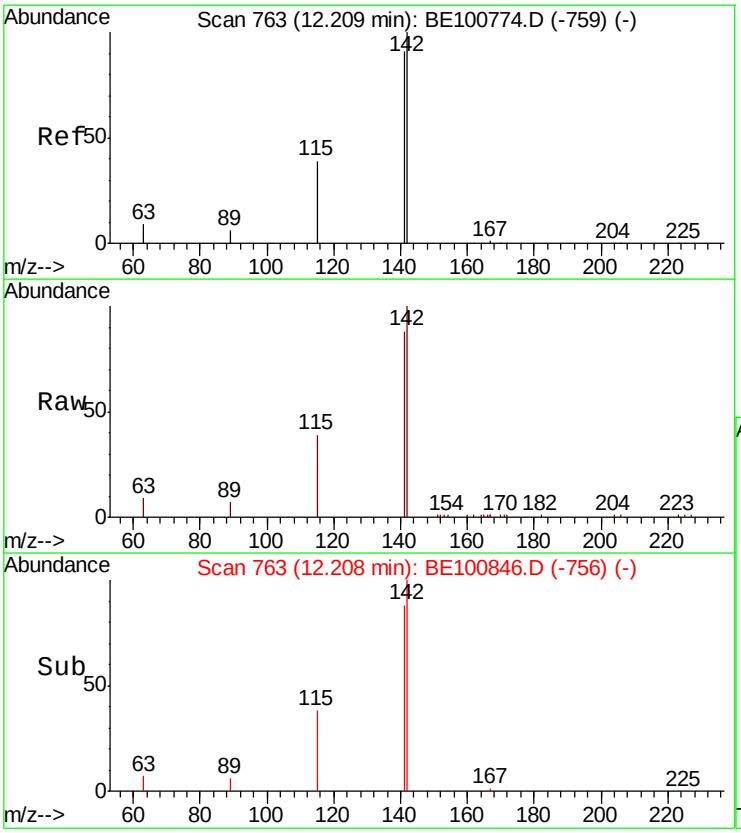
#11
2-Methylnaphthalene-d10
Concen: 0.677 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:152 Resp: 21068

Ion	Ratio	Lower	Upper
152	100		
151	13.0	15.8	23.8#

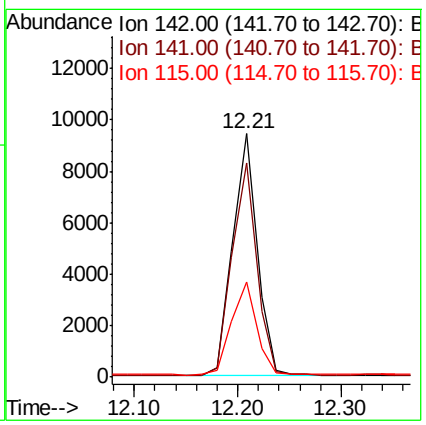


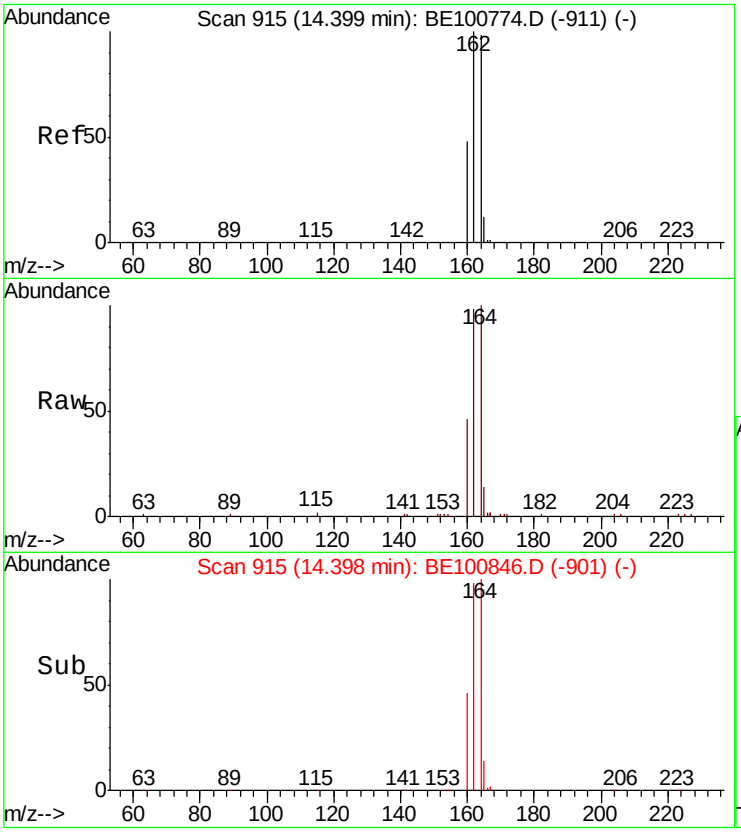


#12
2-Methylnaphthalene
Concen: 0.433 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:142 Resp: 15414

Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.6	108.8
115	39.0	31.8	47.6



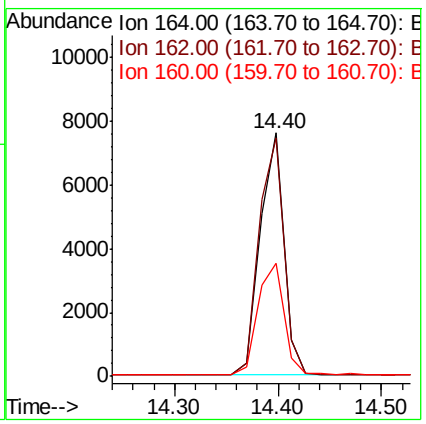


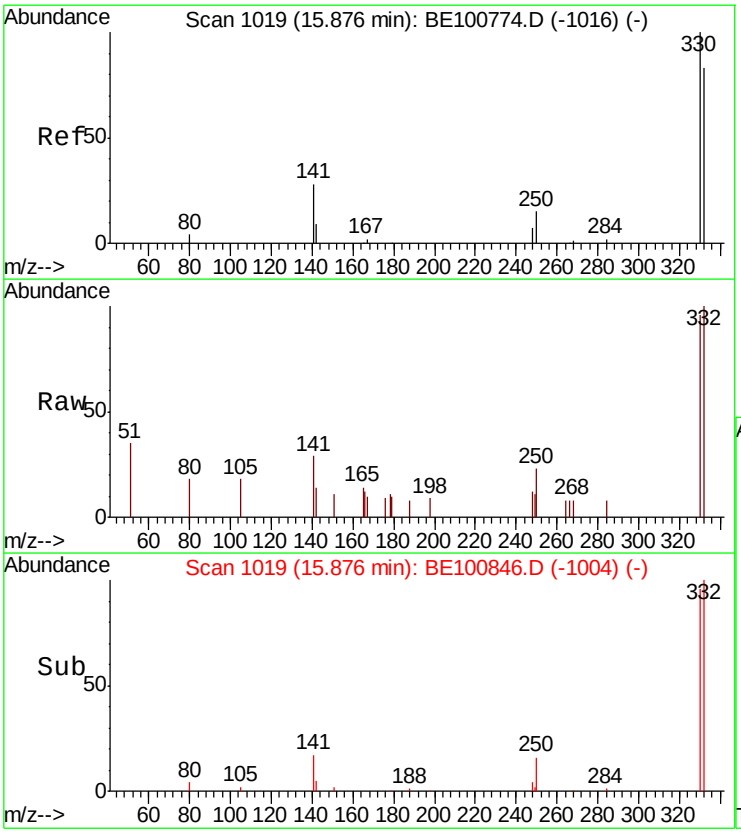
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:164 Resp: 12237

Ion	Ratio	Lower	Upper
164	100		
162	97.8	81.4	122.0
160	46.3	39.4	59.0

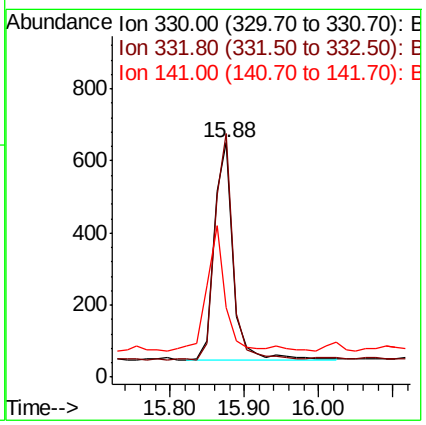


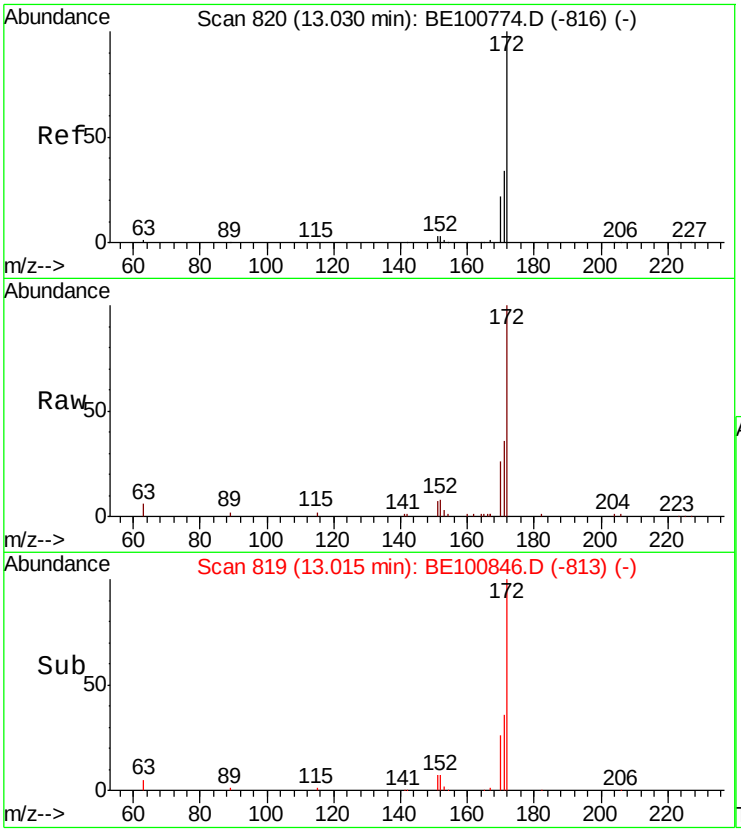


#14
2,4,6-Tribromophenol
Concen: 0.798 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:330 Resp: 1086

Ion	Ratio	Lower	Upper
330	100		
332	97.8	69.4	104.2
141	54.6	51.1	76.7



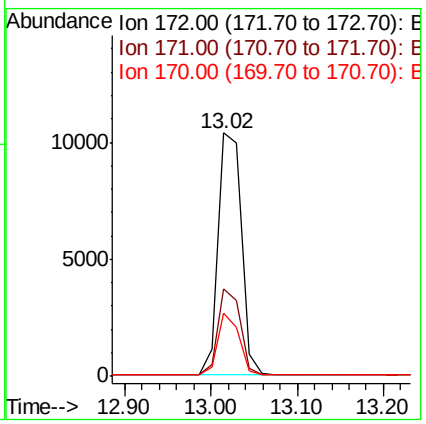


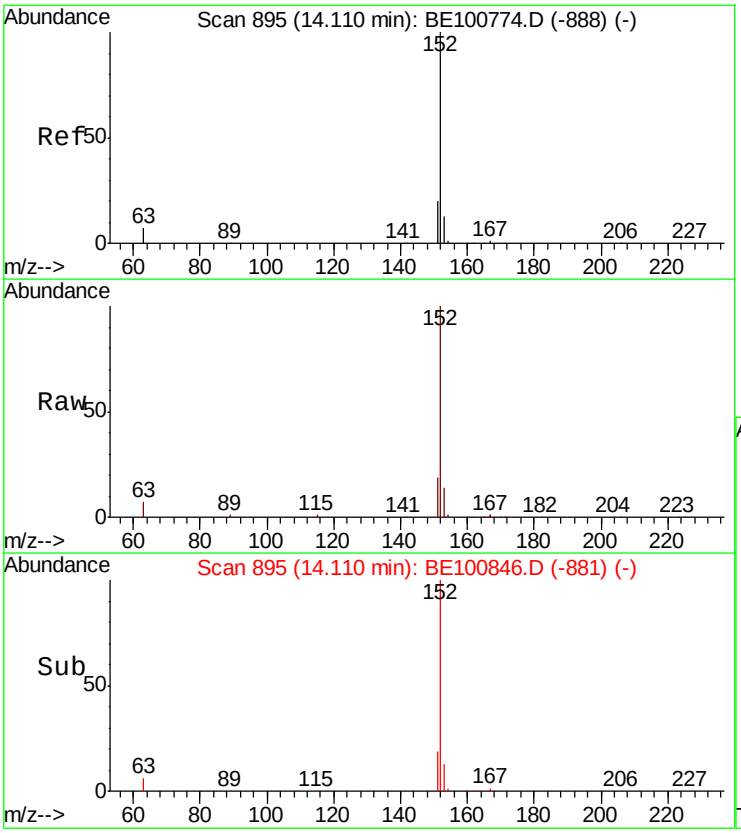
#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:172 Resp: 19443

Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.2	40.8
170	25.9	18.0	27.0

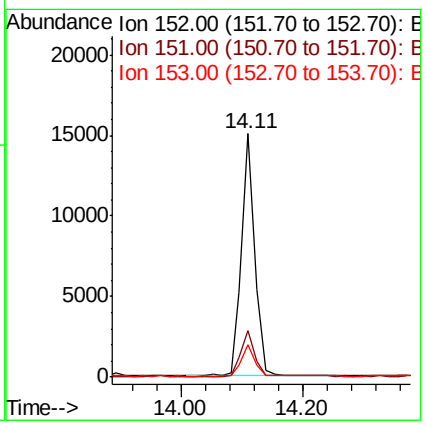


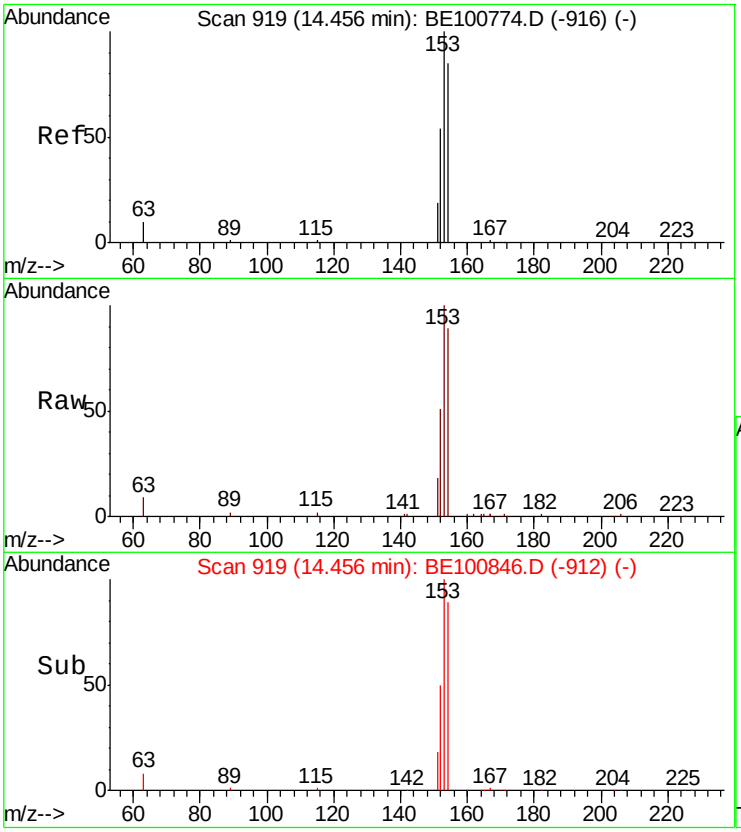


#16
Acenaphthylene
Concen: 0.456 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:152 Resp: 23100

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.8	23.6
153	13.2	10.4	15.6



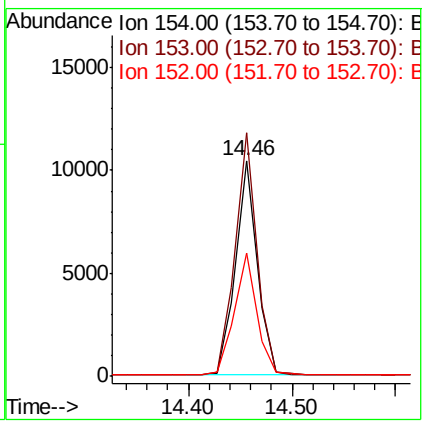


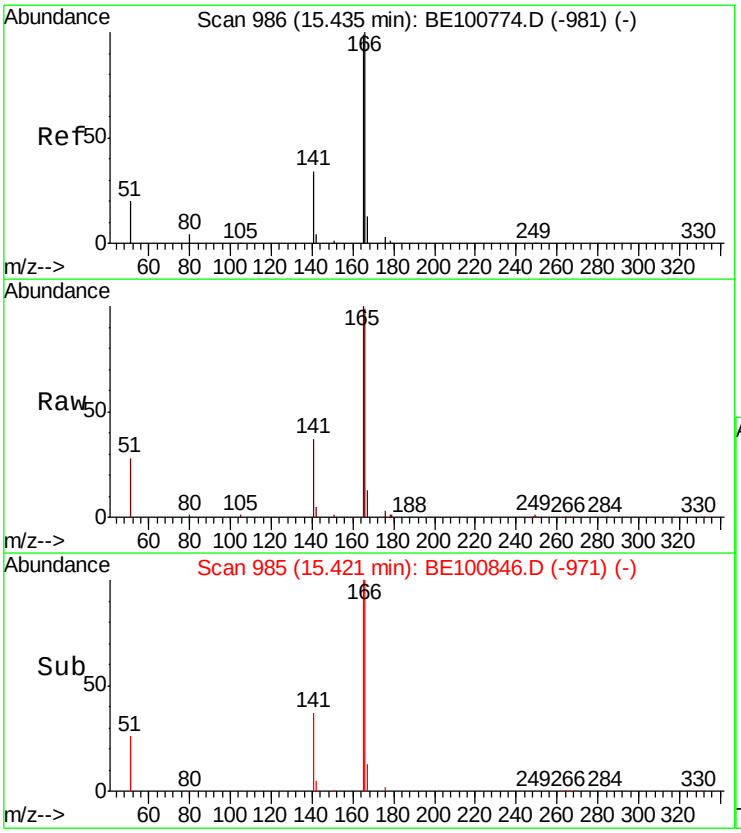
#17
Acenaphthene
Concen: 0.432 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:154 Resp: 15087

Ion	Ratio	Lower	Upper
154	100		
153	113.2	92.2	138.2
152	58.7	49.1	73.7

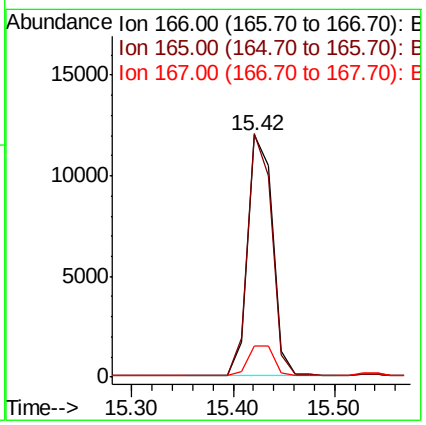


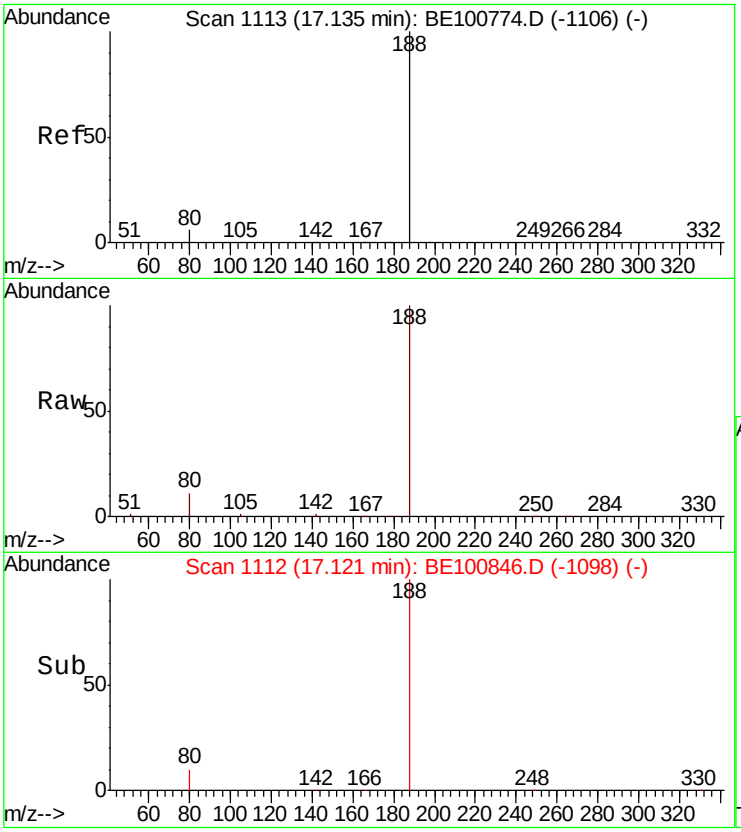


#18
Fluorene
Concen: 0.457 ng
RT: 15.42 min Scan# 985
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:166 Resp: 20562

Ion	Ratio	Lower	Upper
166	100		
165	98.4	80.5	120.7
167	13.6	10.7	16.1



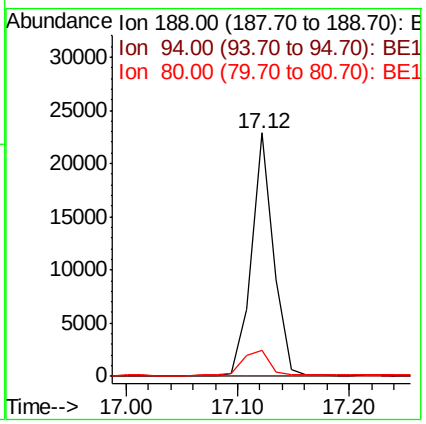


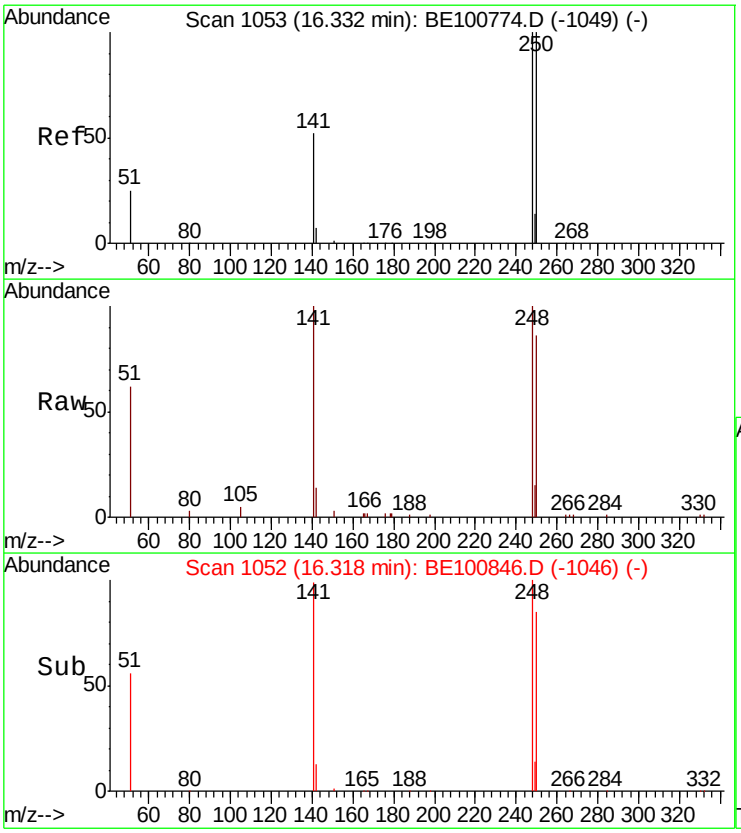
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:188 Resp: 31448

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	5.2	7.8#

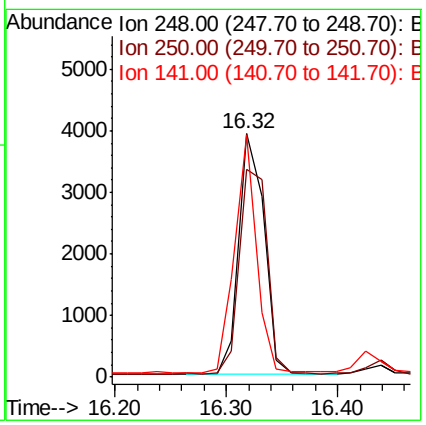


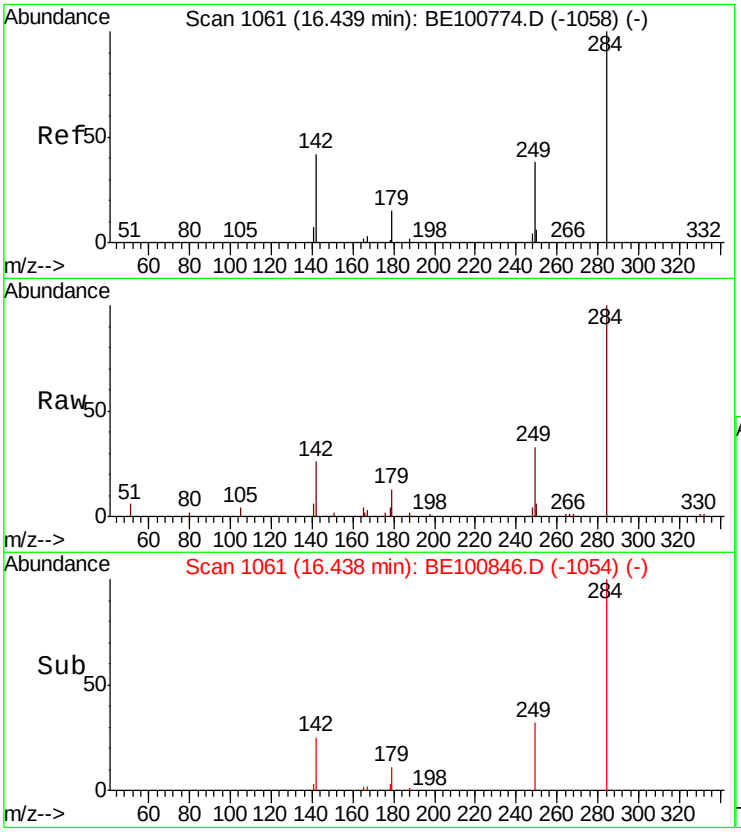


#20
4-Bromophenyl-phenylether
Concen: 0.394 ng
RT: 16.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:248 Resp: 6085

Ion	Ratio	Lower	Upper
248	100		
250	85.5	80.5	120.7
141	99.7	42.6	64.0#



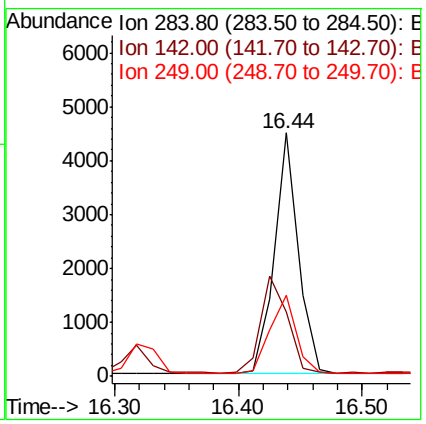


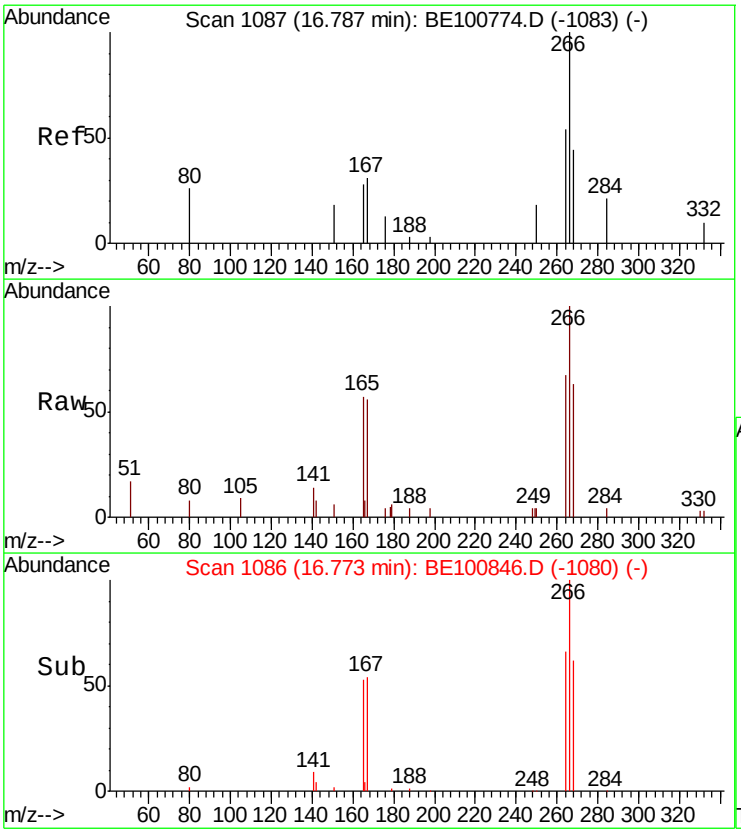
#21
Hexachlorobenzene
Concen: 0.357 ng
RT: 16.44 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:284 Resp: 5981

Ion	Ratio	Lower	Upper
284	100		
142	44.3	34.4	51.6
249	35.2	28.5	42.7

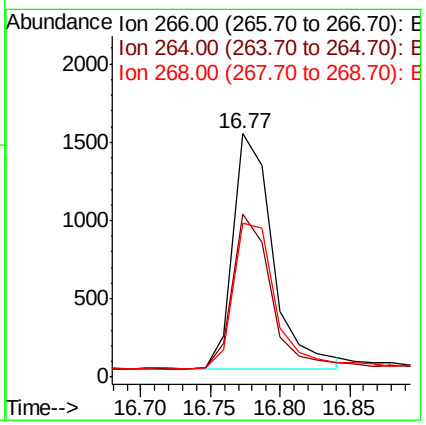


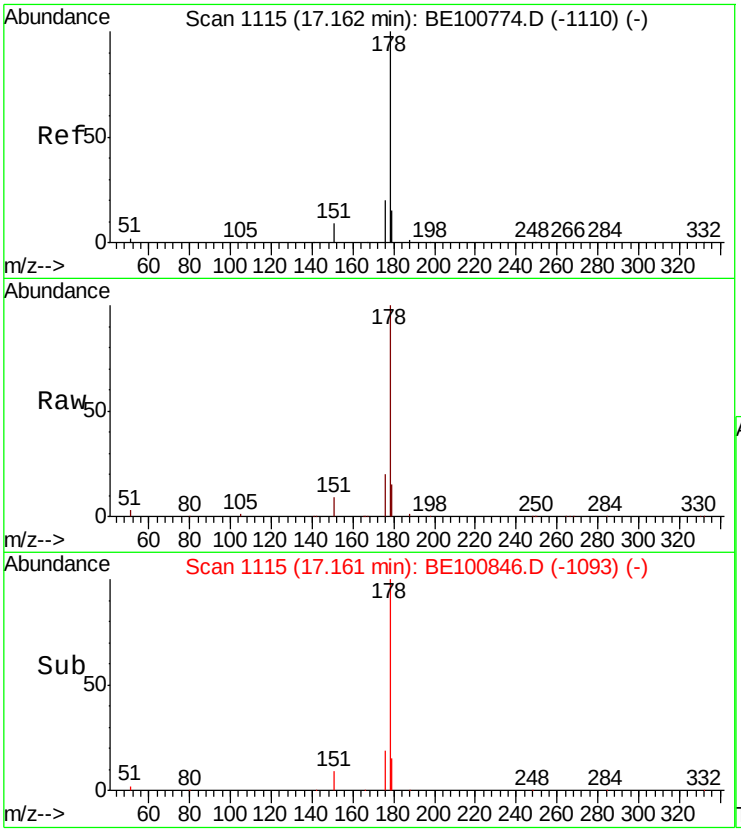


#22
Pentachlorophenol
Concen: 2.574 ng
RT: 16.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:266 Resp: 2984

Ion	Ratio	Lower	Upper
266	100		
264	66.9	63.4	95.0
268	63.0	65.8	98.8#



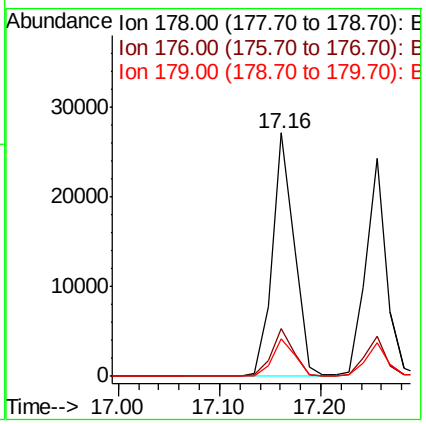


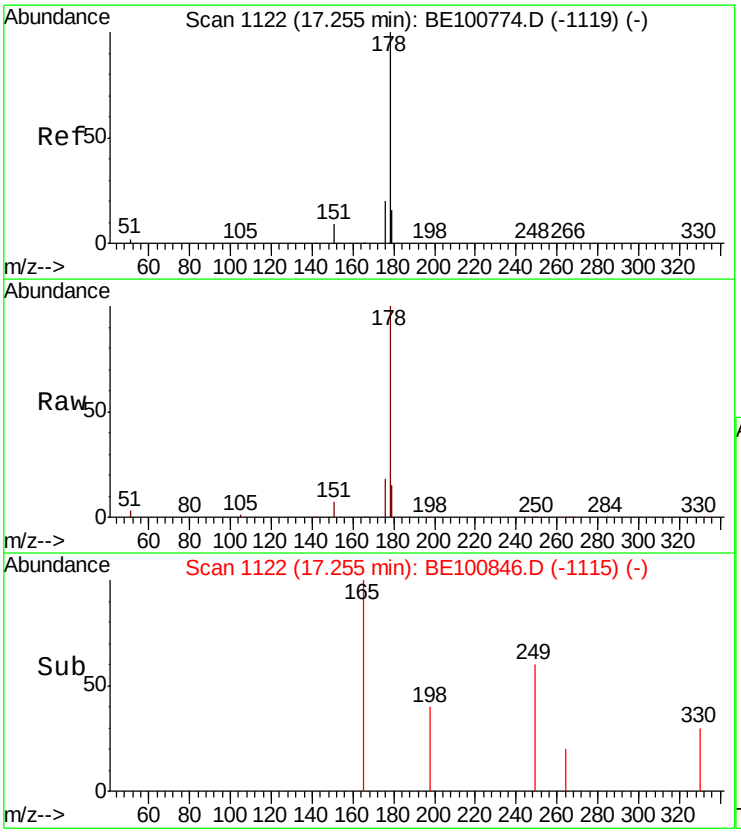
#23
Phenanthrene
Concen: 0.422 ng
RT: 17.16 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:178 Resp: 40199

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.3	18.5

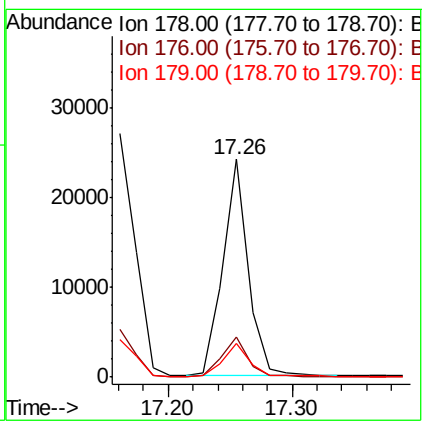


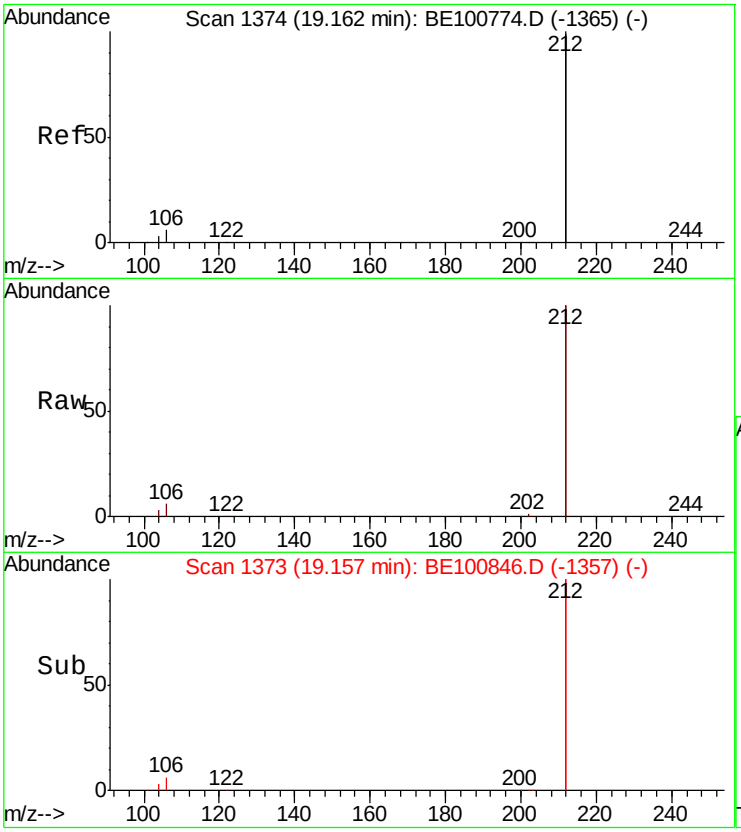


#24
Anthracene
Concen: 0.428 ng
RT: 17.26 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:178 Resp: 34108

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.3	12.7	19.1



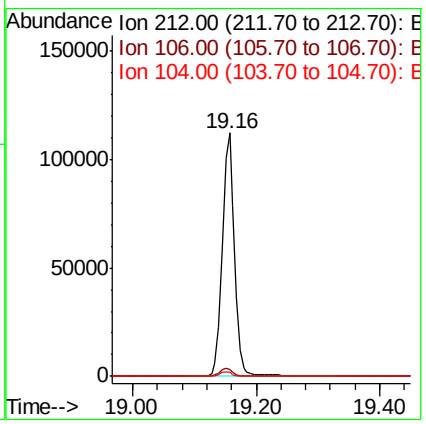


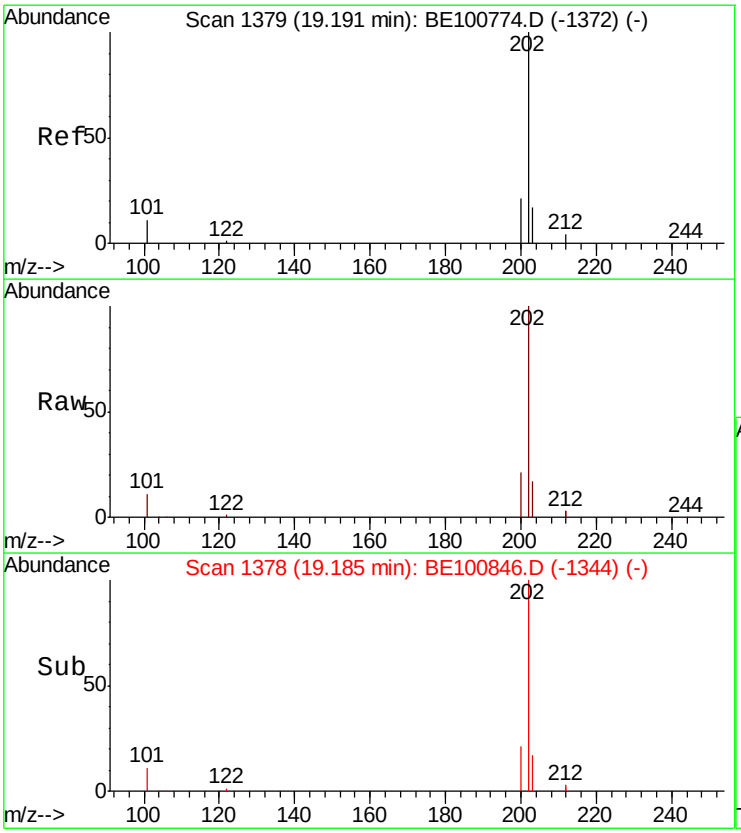
#25
Fluoranthene-d10
Concen: 0.409 ng
RT: 19.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:212 Resp: 151873

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	1.8	1.4	2.2

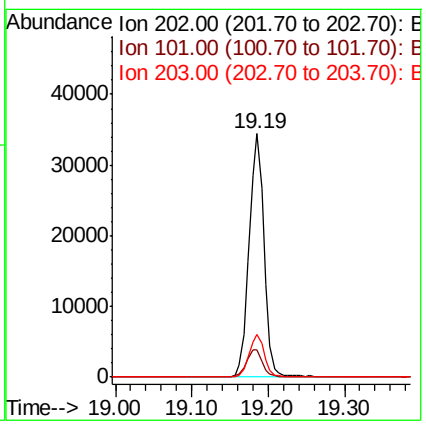


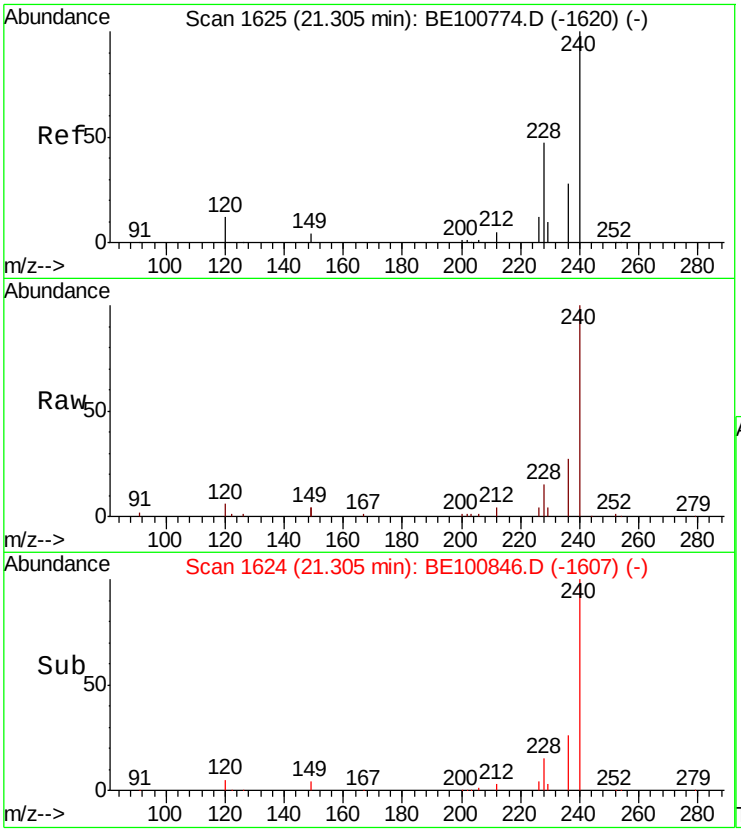


#26
Fluoranthene
Concen: 0.406 ng
RT: 19.19 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:202 Resp: 46209

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.1	13.7
203	17.1	13.8	20.6



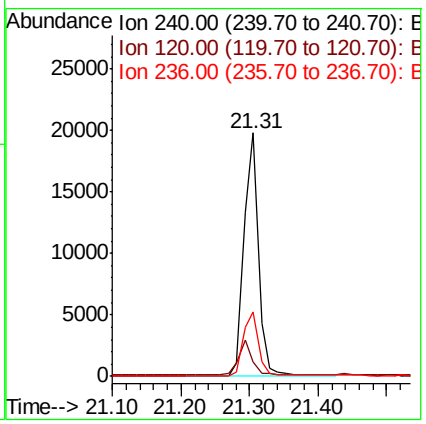


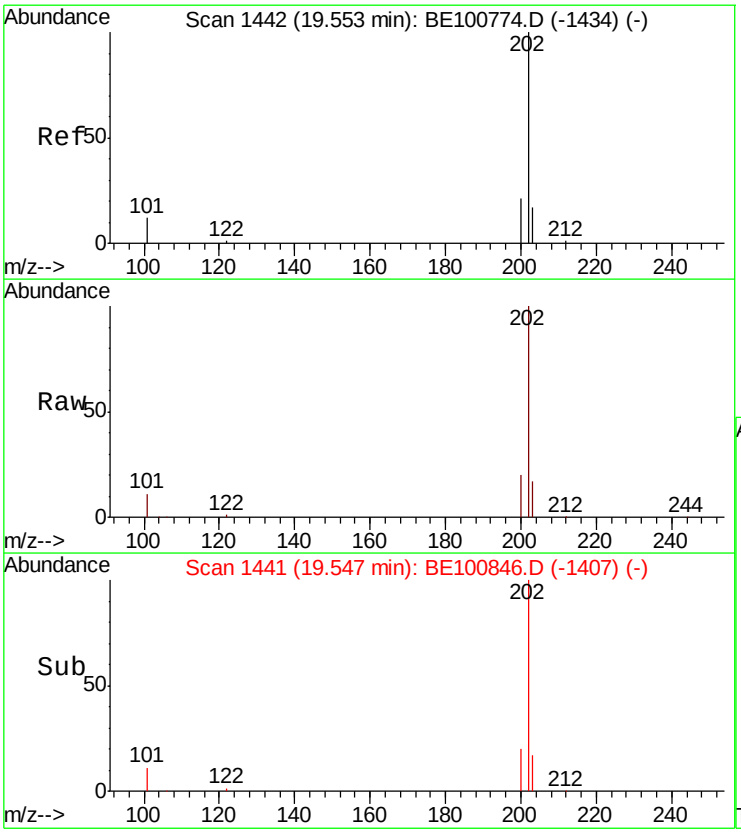
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:240 Resp: 28935

Ion	Ratio	Lower	Upper
240	100		
120	5.7	10.2	15.2#
236	26.7	22.3	33.5

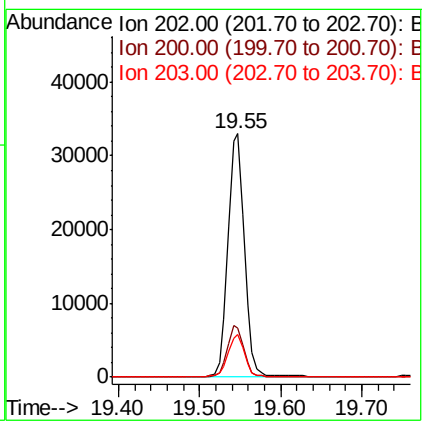


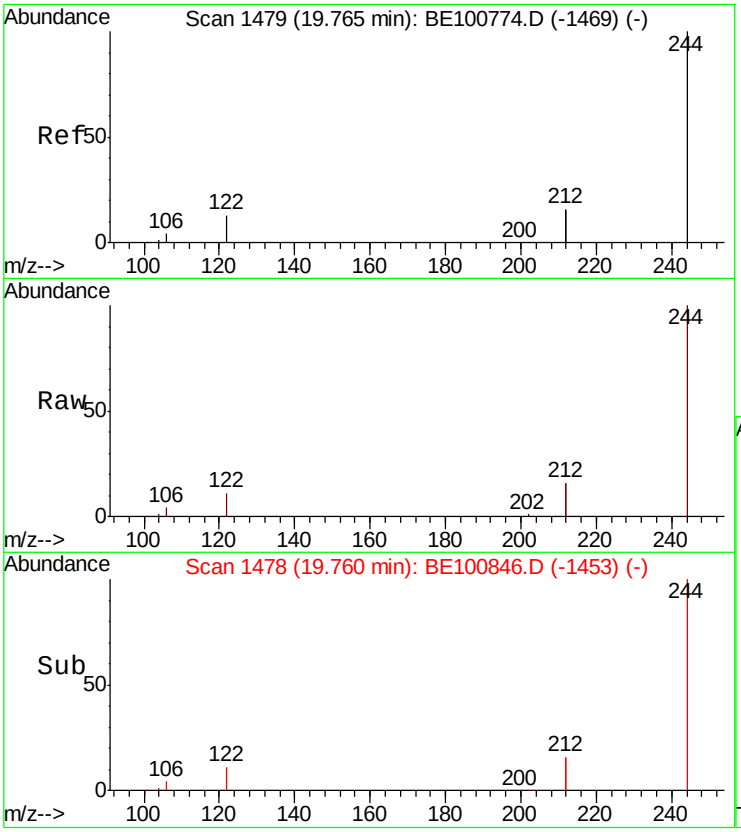


#28
Pyrene
Concen: 0.489 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:202 Resp: 46019

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.5	13.9	20.9



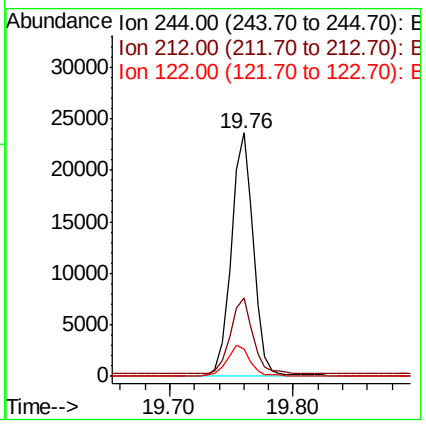


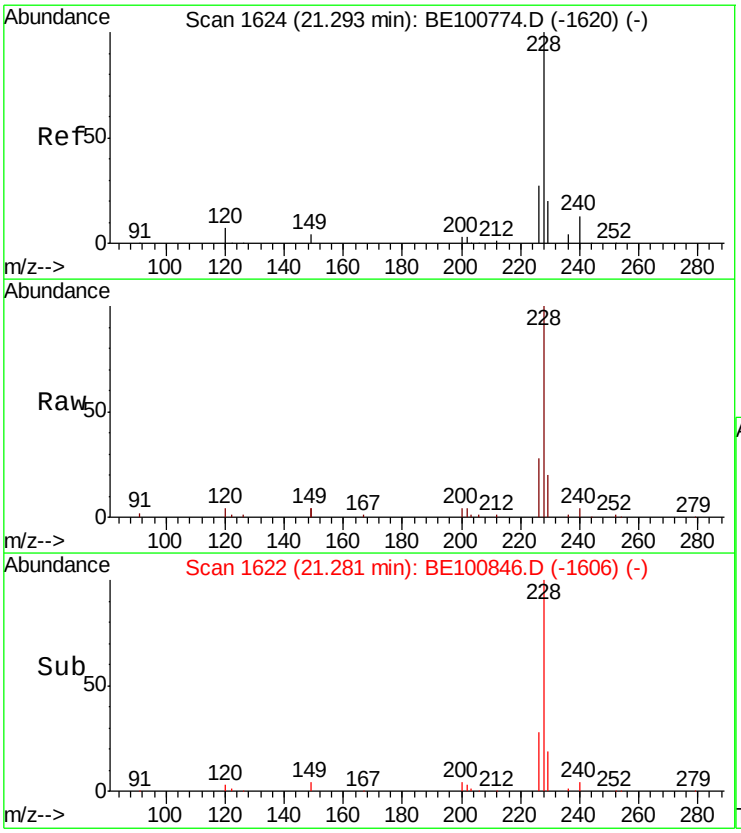
#29
Terphenyl-d14
Concen: 0.421 ng
RT: 19.76 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:244 Resp: 29170

Ion	Ratio	Lower	Upper
244	100		
212	32.3	26.2	39.4
122	11.1	10.2	15.4

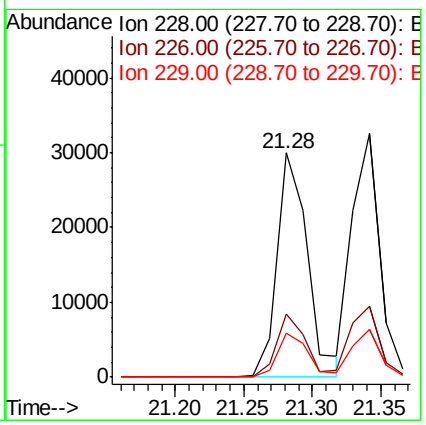


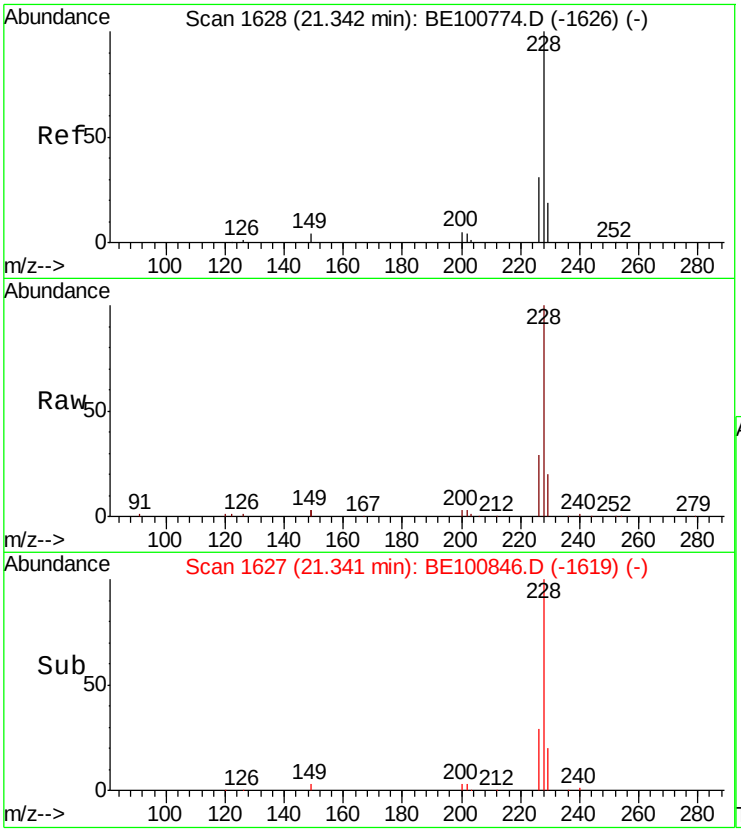


#30
Benzo(a)anthracene
Concen: 0.537 ng
RT: 21.28 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:228 Resp: 45766

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.5	32.3
229	19.6	16.0	24.0



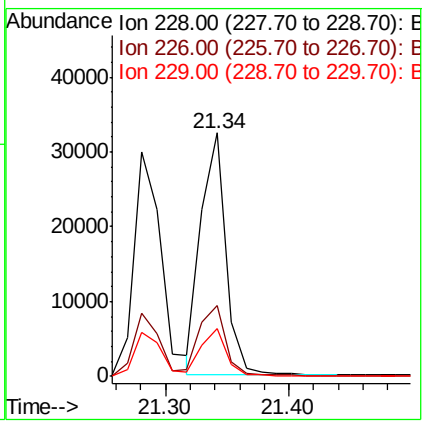


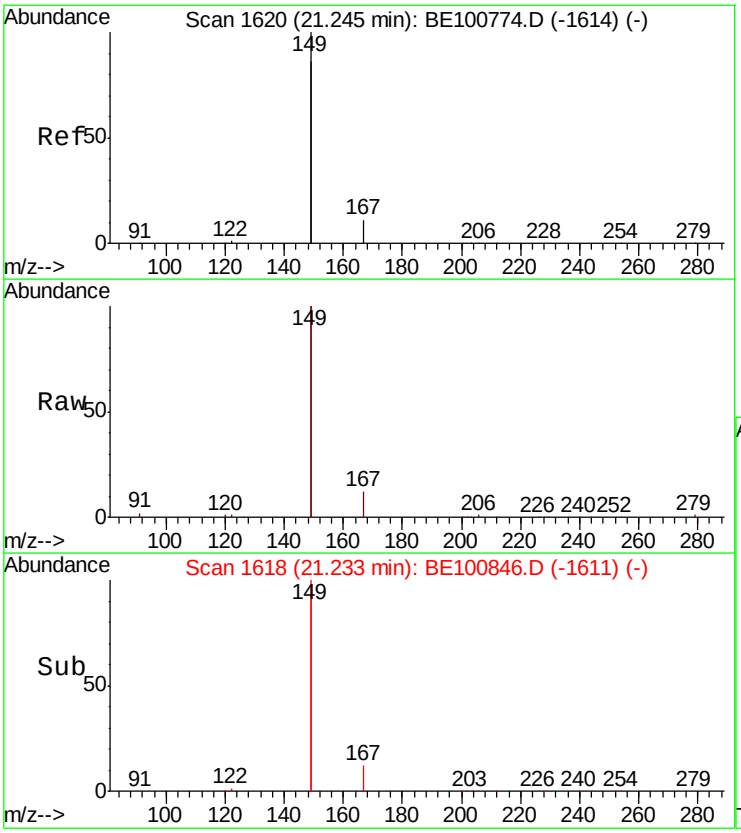
#31
Chrysene
Concen: 0.457 ng
RT: 21.34 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:228 Resp: 45836

Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.4
229	19.7	15.4	23.2

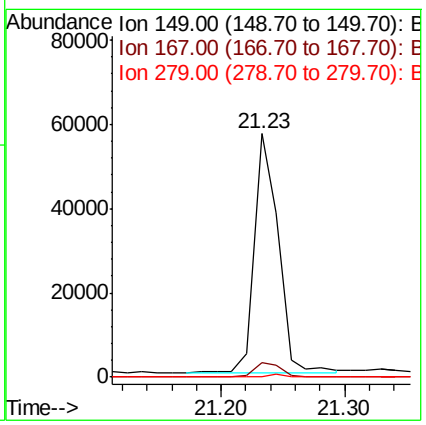


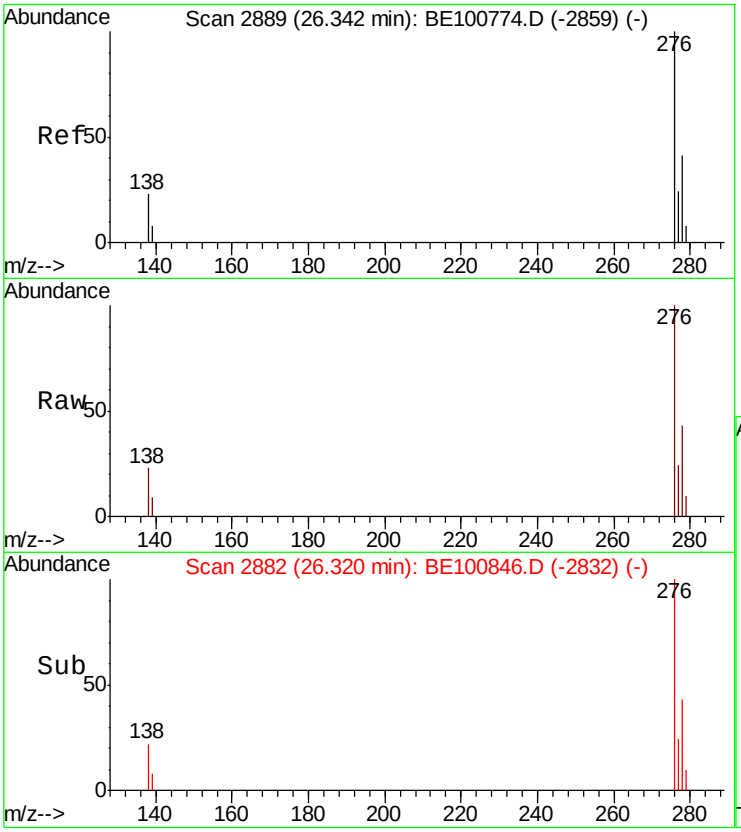


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.125 ng
RT: 21.23 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:149 Resp: 75936

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.0	7.6
279	0.7	0.7	1.1



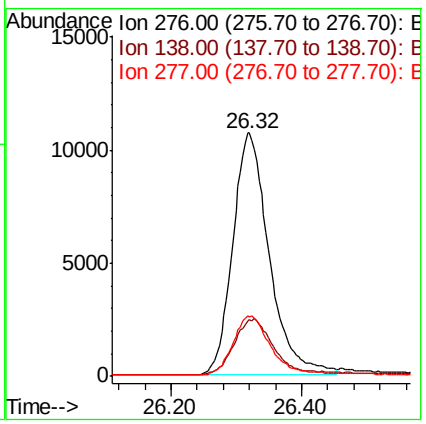


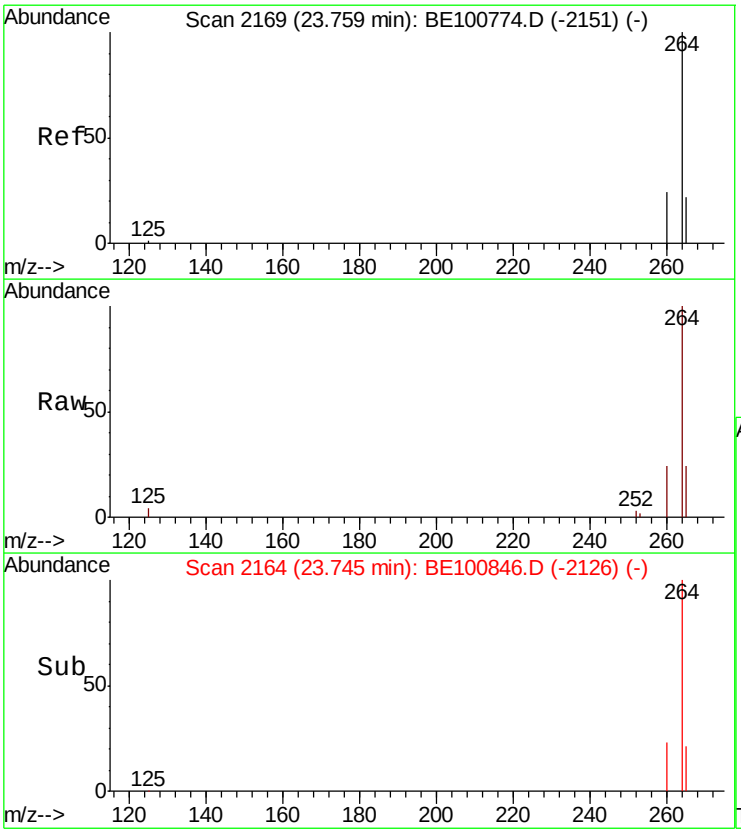
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.476 ng
RT: 26.32 min Scan# 2882
Delta R.T. -0.02 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:276 Resp: 41548

Ion	Ratio	Lower	Upper
276	100		
138	24.1	19.4	29.0
277	24.9	19.8	29.6

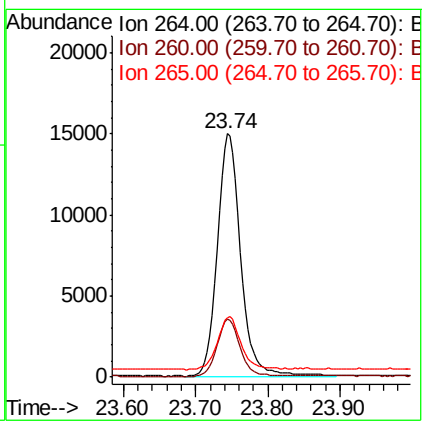


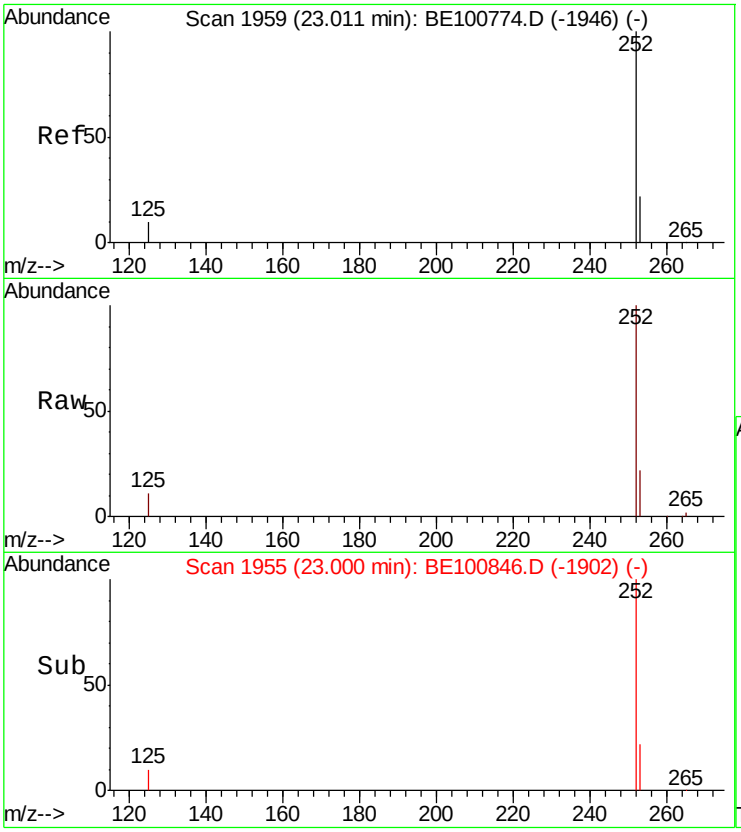


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.74 min Scan# 2164
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:264 Resp: 33349

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	24.4	21.8	32.8



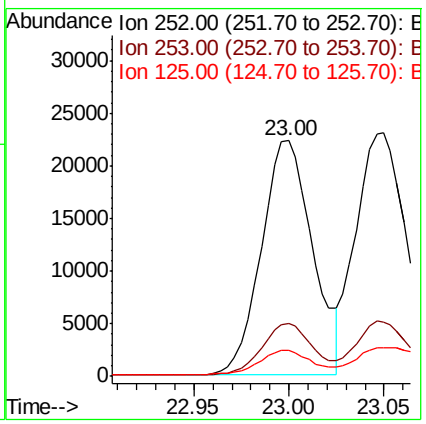


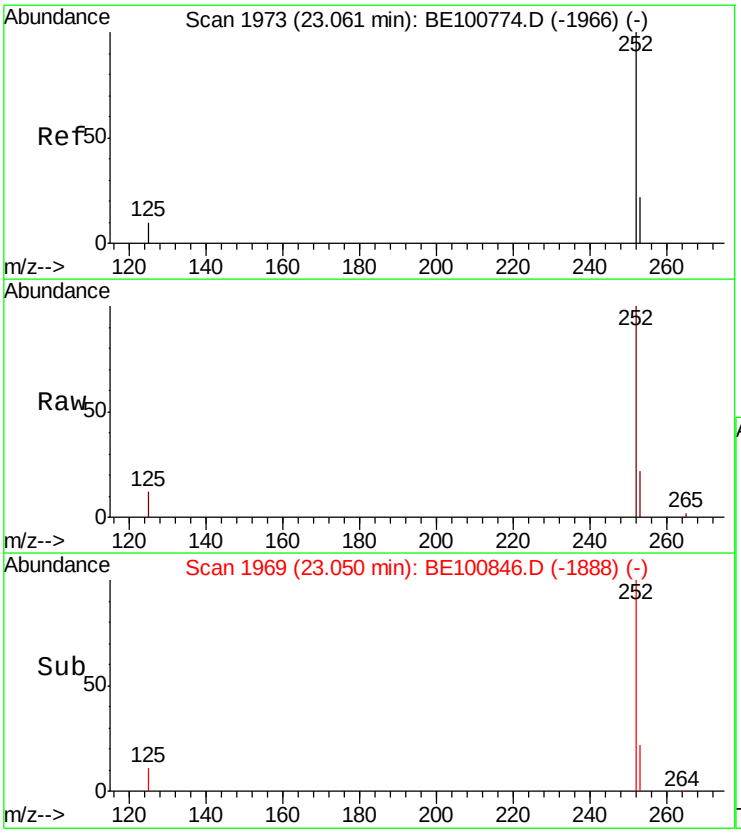
#35
Benzo(b)fluoranthene
Concen: 0.459 ng
RT: 23.00 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:252 Resp: 41888

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	10.8	9.0	13.4

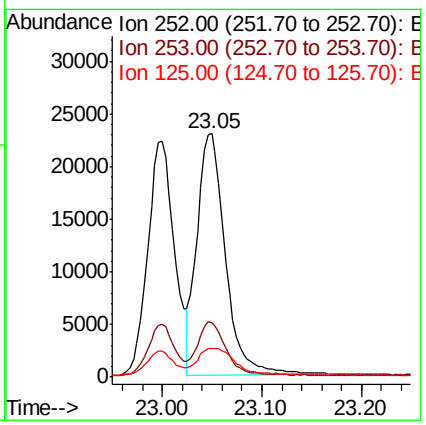


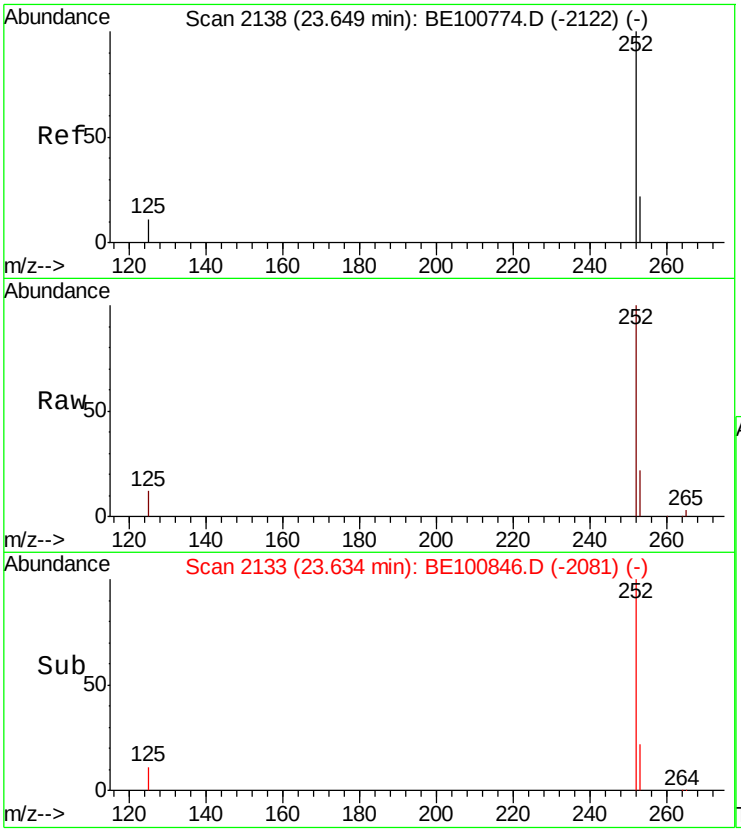


#36
Benzo(k)fluoranthene
Concen: 0.443 ng
RT: 23.05 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:252 Resp: 45399

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.8	8.7	13.1



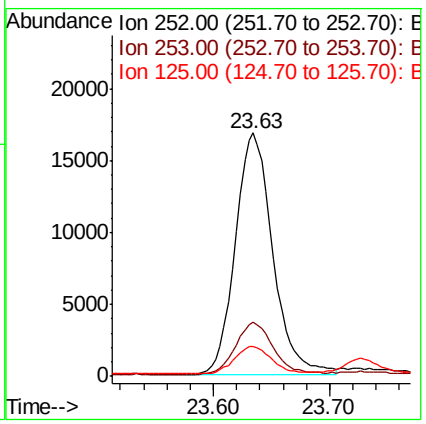


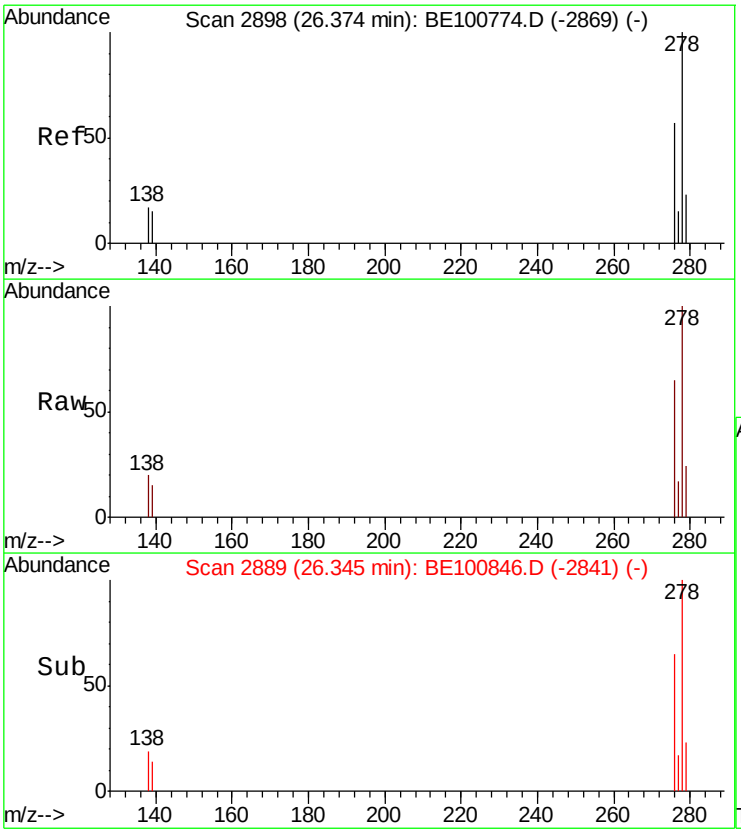
#37
Benzo(a)pyrene
Concen: 0.475 ng
RT: 23.63 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:252 Resp: 37566

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	12.1	10.4	15.6

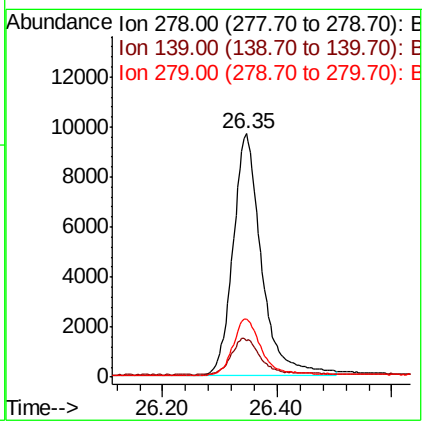


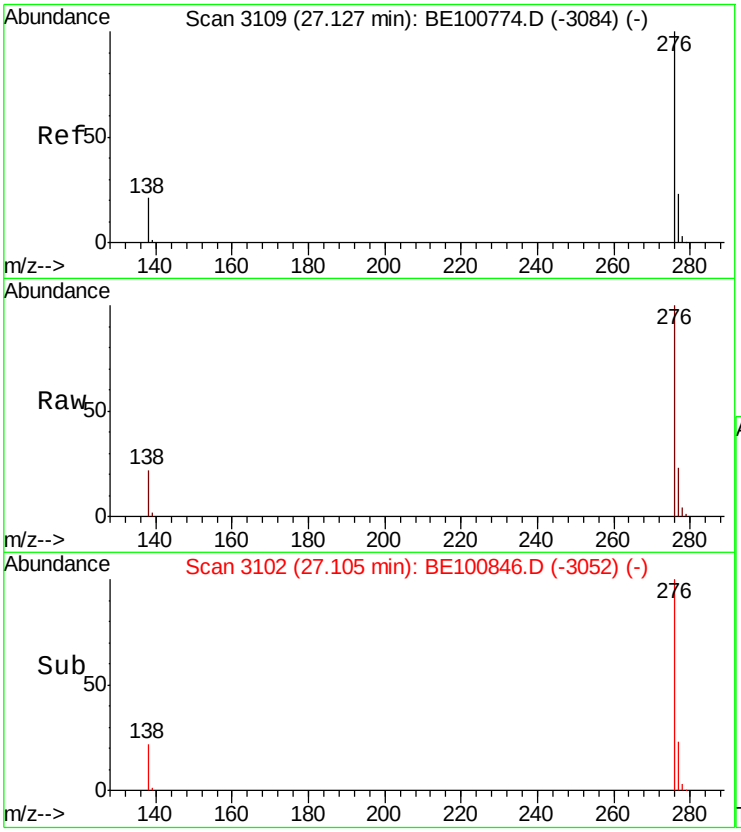


#38
Dibenzo(a,h)anthracene
Concen: 0.426 ng
RT: 26.35 min Scan# 2889
Delta R.T. -0.03 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Tgt Ion:278 Resp: 33522

Ion	Ratio	Lower	Upper
278	100		
139	15.0	13.0	19.4
279	23.6	19.6	29.4





#39
Benzo(g,h,i)perylene
Concen: 0.434 ng
RT: 27.11 min Scan# 3102
Delta R.T. -0.02 min
Lab File: BE100846.D
Acq: 11 Dec 2019 14:38

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MSD

Tgt Ion:276 Resp: 36499

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.3	28.9
138	22.3	17.8	26.6