Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099485.D
Acq On : 2 May 2019 4:36
Operator : JU/SJ
Sample : K2569-03MS
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PST-023-SW027-042319MS

Quant Time: May 02 07:45:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	2153	0.40	ng		-0.01
7) Naphthalene-d8	10.60	136	7565	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	5588	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	18050	0.40	ng		0.00
27) Chrysene-d12	21.37	240	24345	0.40	ng		0.00
34) Perylene-d12	23.86	264	28031	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	1558	0.26	ng		0.00
5) Phenol-d6	6.97	99	2559	0.32	ng		0.00
8) Nitrobenzene-d5	8.96	82	1968	0.28	ng		0.00
11) 2-Methylnaphthalene-d10	12.20	152	4256	0.31	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	962	0.27	ng		0.00
15) 2-Fluorobiphenyl	13.07	172	4906	0.23	ng		-0.01
25) Fluoranthene-d10	19.22	212	55867	0.23	ng		0.00
29) Terphenyl-d14	19.81	244	12278	0.28	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	588	0.199	ng	#	61
3) n-Nitrosodimethylamine	3.65	42	366	0.205	ng	#	79
6) bis(2-Chloroethyl)ether	7.23	93	1750	0.256	ng		98
9) Naphthalene	10.65	128	49484	0.600	ng		99
10) Hexachlorobutadiene	10.92	225	1443	0.252	ng		99
12) 2-Methylnaphthalene	12.27	142	28431	1.983	ng		95
16) Acenaphthylene	14.17	152	16081	0.588	ng		98
17) Acenaphthene	14.51	154	4880	0.313	ng		97
18) Fluorene	15.49	166	10435	0.453	ng		98
20) 4-Bromophenyl-phenylether	16.38	248	2503	0.238	ng		93
21) Hexachlorobenzene	16.49	284	2495	0.249	ng		98
22) Pentachlorophenol	16.84	266	3131	0.735	ng		98
23) Phenanthrene	17.23	178	42586	0.914	ng		99
24) Anthracene	17.32	178	15983	0.360	ng		98
26) Fluoranthene	19.25	202	66887	0.959	ng		100
28) Pyrene	19.61	202	67319	1.061	ng		97
30) Benzo(a)anthracene	21.34	228	52145	0.672	ng		98
31) Chrysene	21.40	228	53814	0.709	ng		98
32) Bis(2-ethylhexyl)phthalate	21.27	149	48174	0.369	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.50	276	47090	0.525	ng		99
35) Benzo(b)fluoranthene	23.09	252	59371	0.735	ng	#	95
36) Benzo(k)fluoranthene	23.14	252	37716	0.484	ng	#	96
37) Benzo(a)pyrene	23.75	252	49742	0.651	ng		98
38) Dibenzo(a,h)anthracene	26.53	278	26715	0.342	ng		98
39) Benzo(g,h,i)perylene	27.33	276	43941	0.561	ng		99

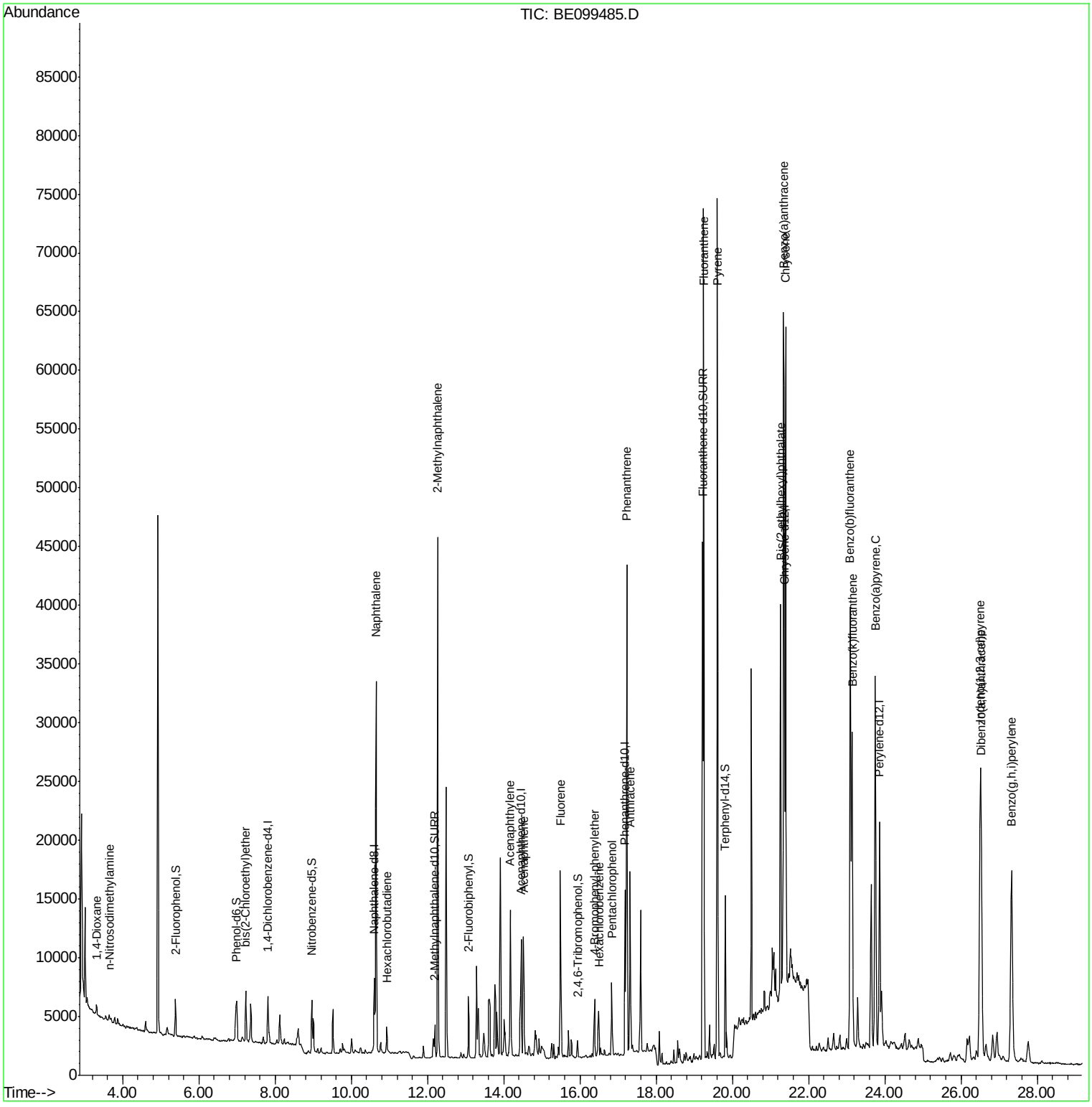
(#) = qualifier out of range (m) = manual integration (+) = signals summed

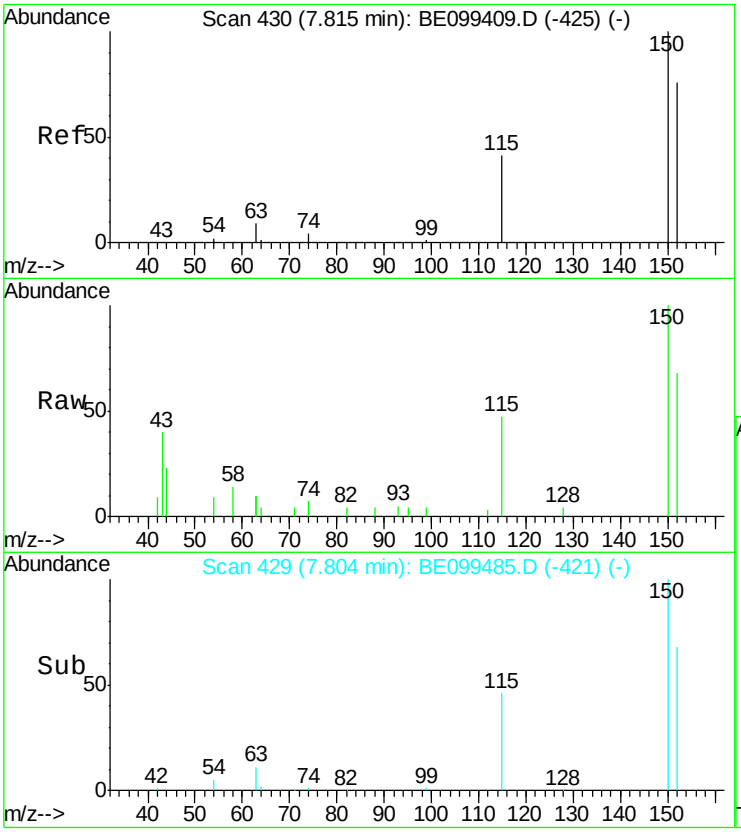
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099485.D
Acq On : 2 May 2019 4:36
Operator : JU/SJ
Sample : K2569-03MS
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Quant Time: May 02 07:45:17 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration



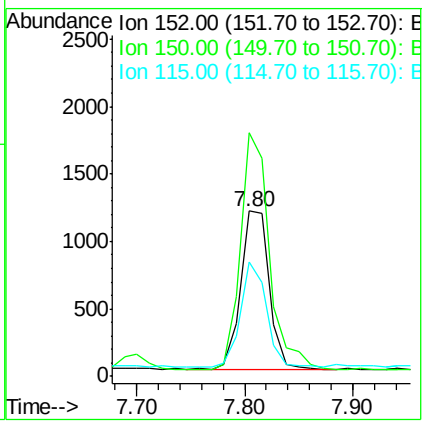


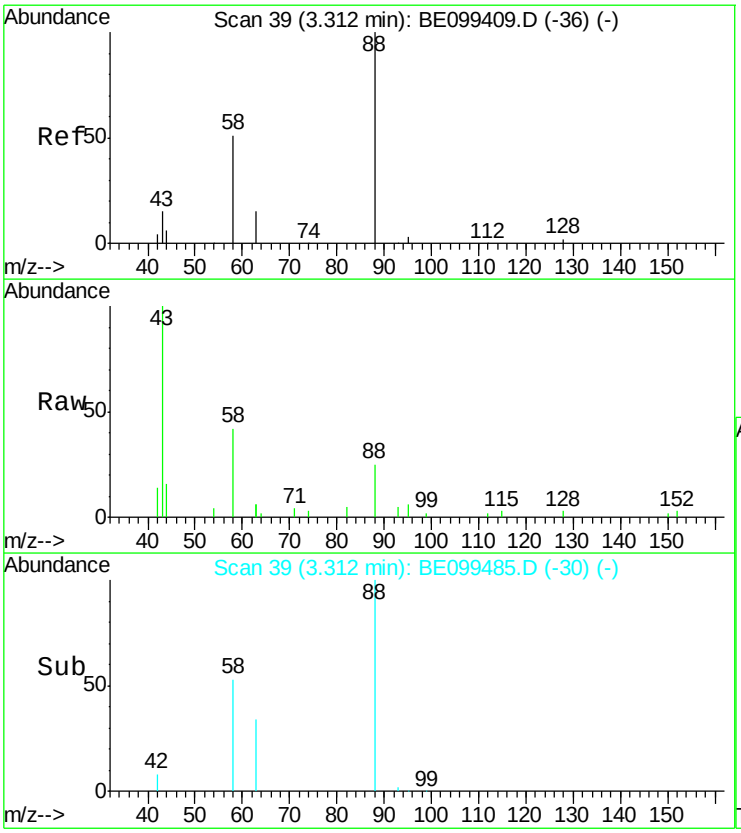
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:152 Resp: 2153

Ion	Ratio	Lower	Upper
152	100		
150	147.2	104.8	157.2
115	69.1	46.6	69.8

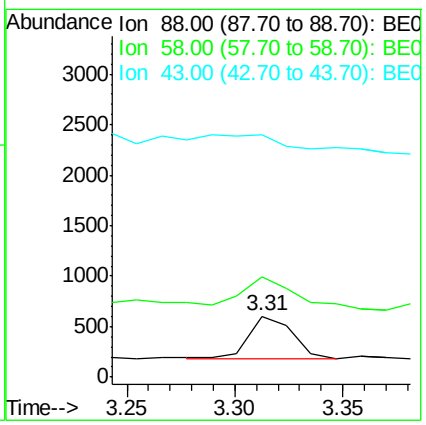


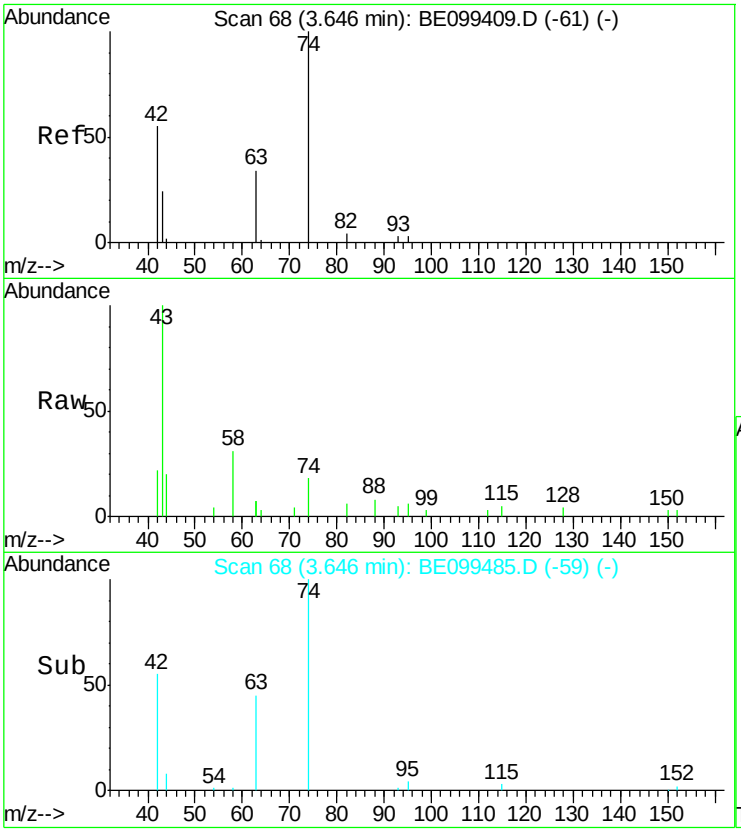


#2
1,4-Dioxane
Concen: 0.199 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion: 88 Resp: 588

Ion	Ratio	Lower	Upper
88	100		
58	91.0	51.0	76.6#
43	0.0	20.6	30.8#



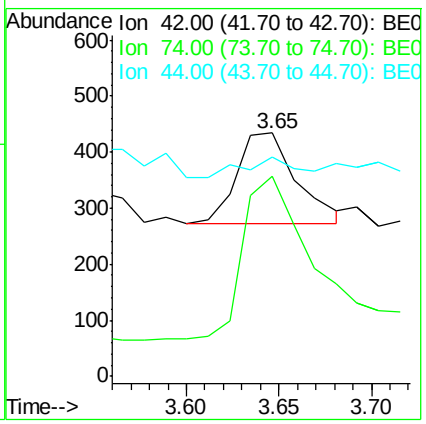


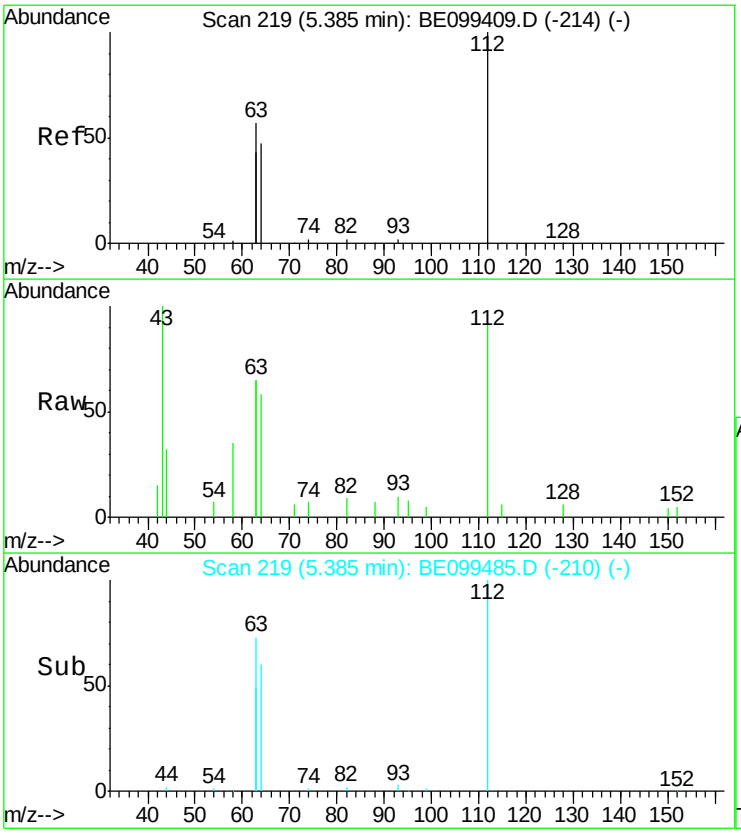
#3
n-Nitrosodimethylamine
Concen: 0.205 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion: 42 Resp: 366

Ion	Ratio	Lower	Upper
42	100		
74	207.1	141.6	212.4
44	18.3	0.0	0.0#

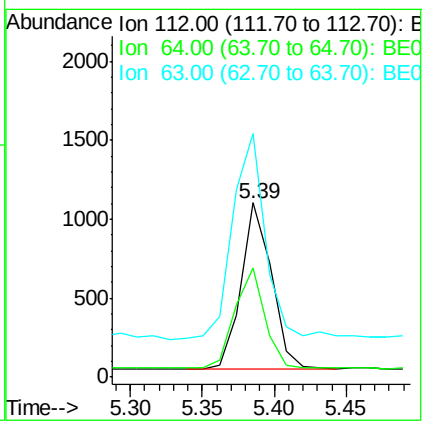


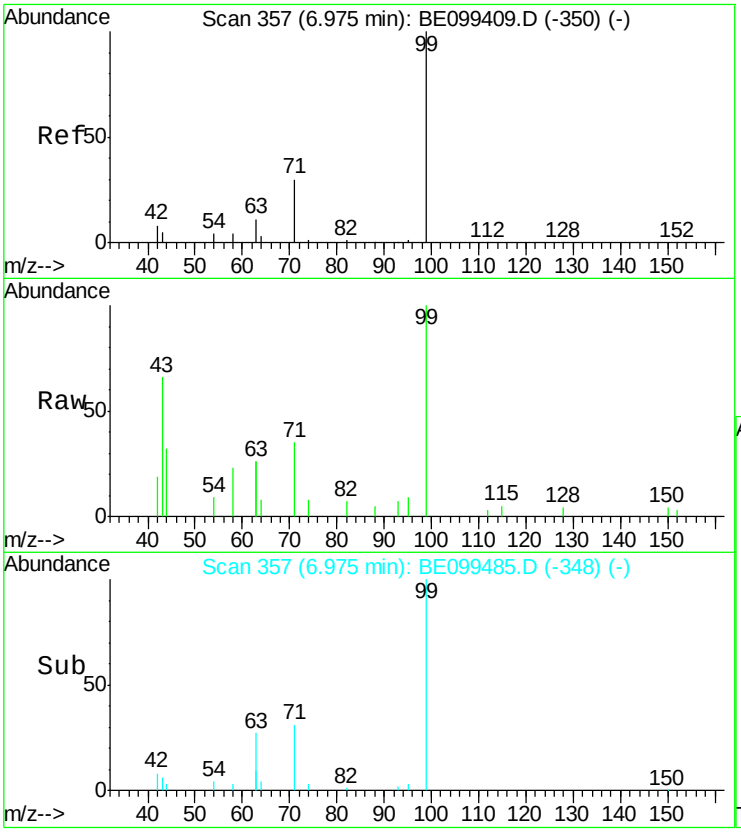


#4
2-Fluorophenol
Concen: 0.262 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:112 Resp: 1558

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.4	71.0
63	135.1	104.3	156.5



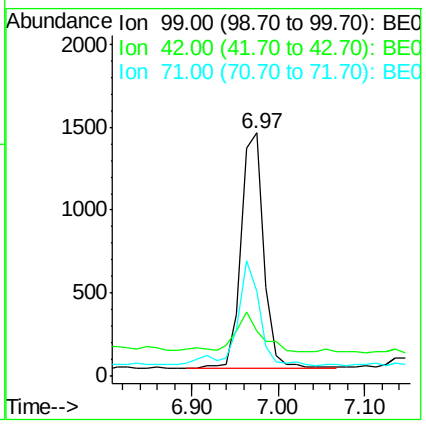


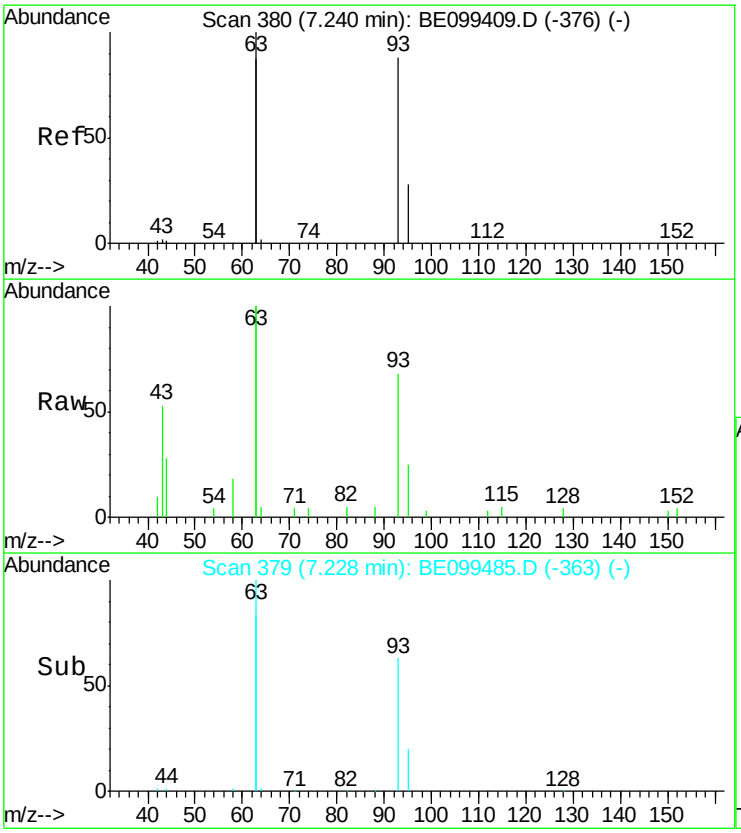
#5
Phenol-d6
Concen: 0.323 ng
RT: 6.97 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion: 99 Resp: 2559

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.9	22.3
71	44.9	33.0	49.6

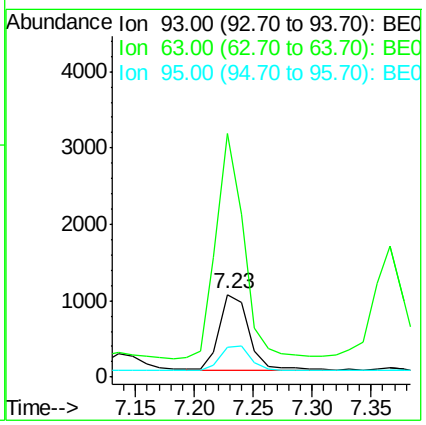


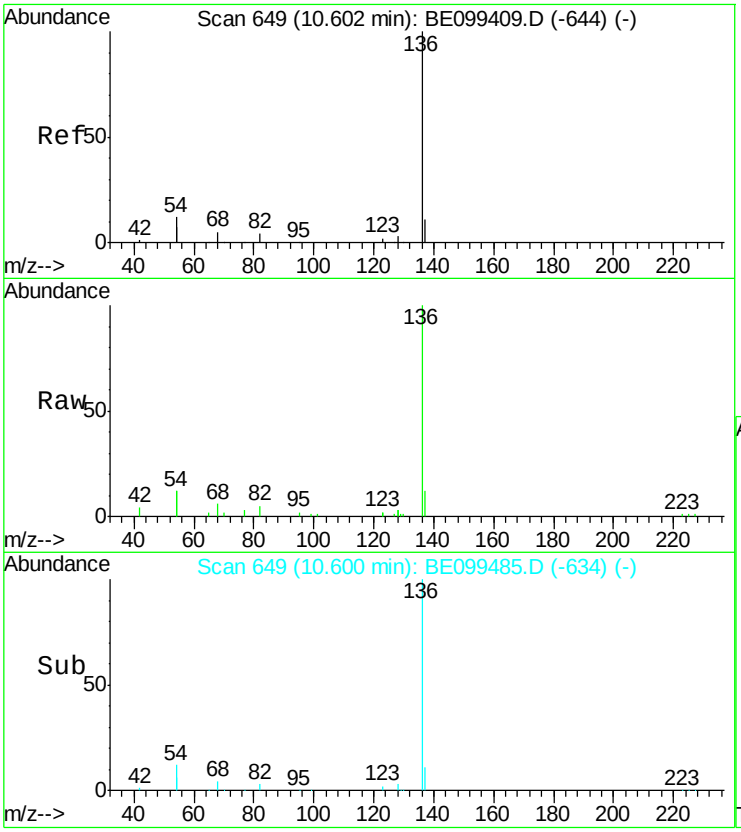


#6
bis(2-Chloroethyl)ether
Concen: 0.256 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion: 93 Resp: 1750

Ion	Ratio	Lower	Upper
93	100		
63	272.9	215.6	323.4
95	33.8	26.2	39.2



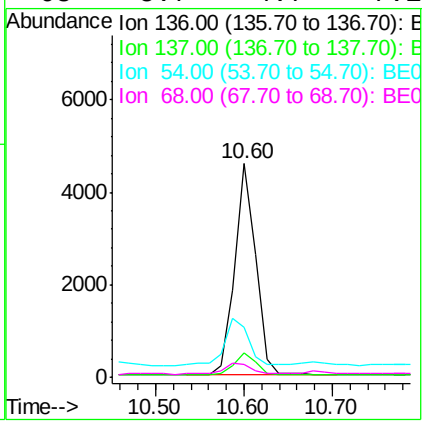


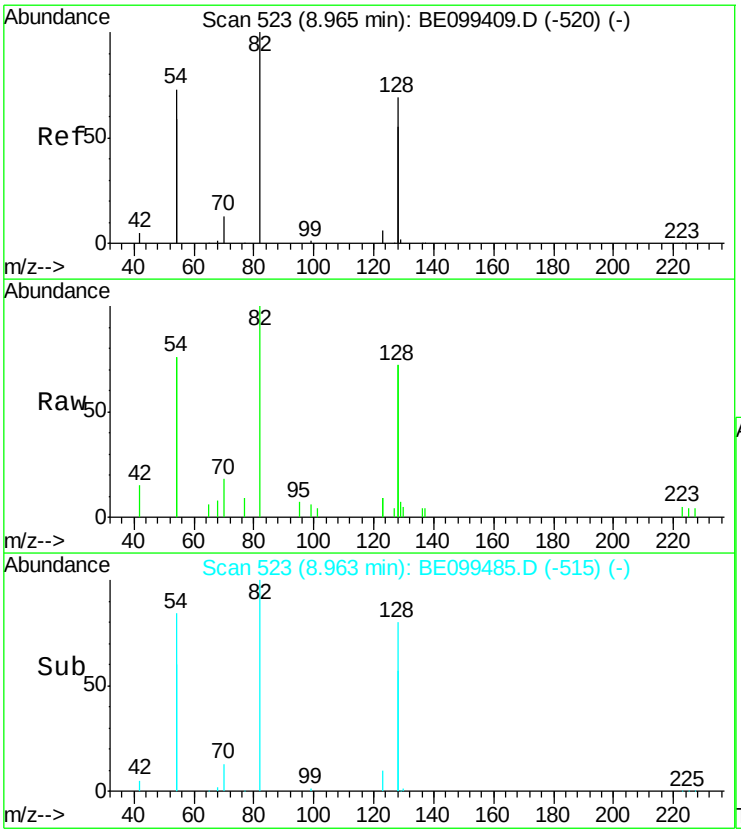
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:136 Resp: 7565

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.8	14.8
54	23.7	18.5	27.7
68	5.7	4.7	7.1

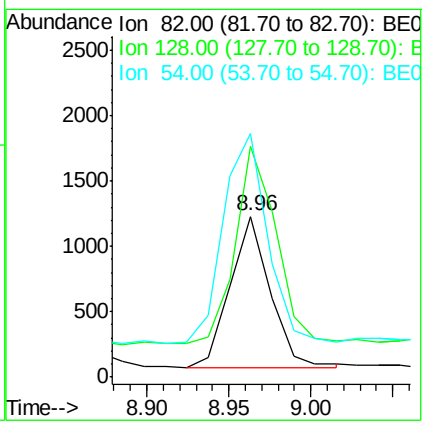


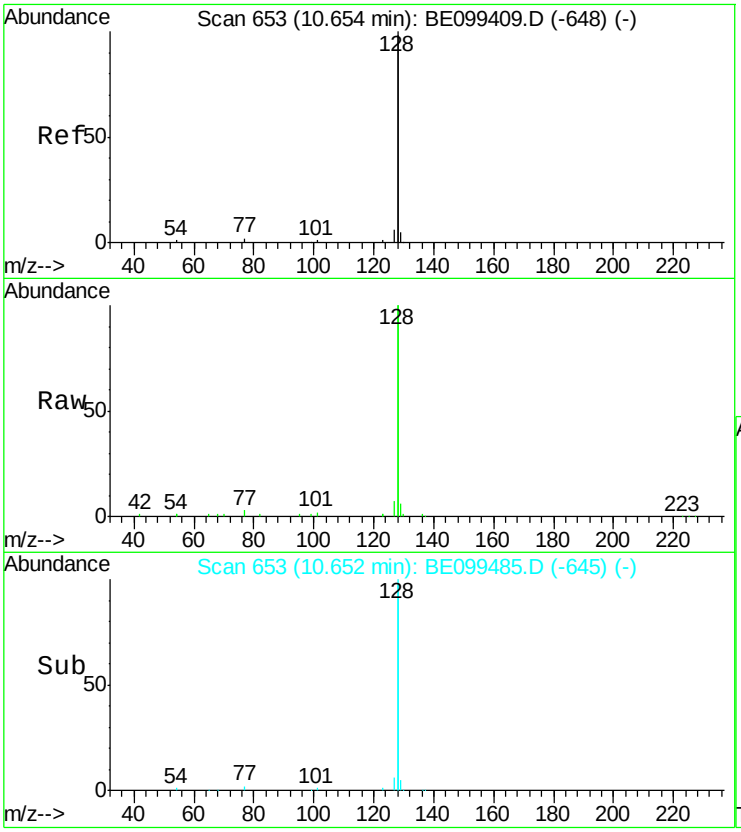


#8
Nitrobenzene-d5
Concen: 0.278 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion: 82 Resp: 1968

Ion	Ratio	Lower	Upper
82	100		
128	143.4	107.0	160.4
54	151.5	113.1	169.7



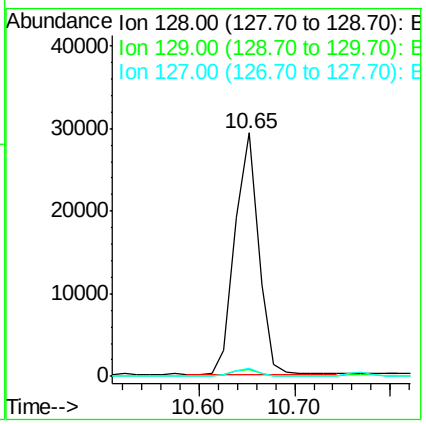


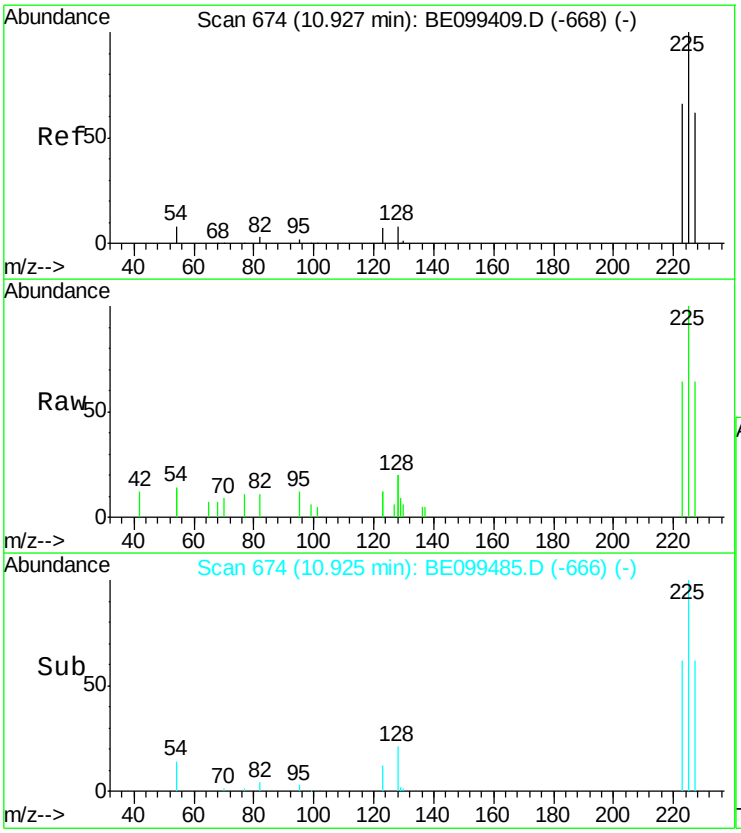
#9
Naphthalene
Concen: 0.600 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:128 Resp: 49484

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.4	3.6
127	3.3	2.8	4.2

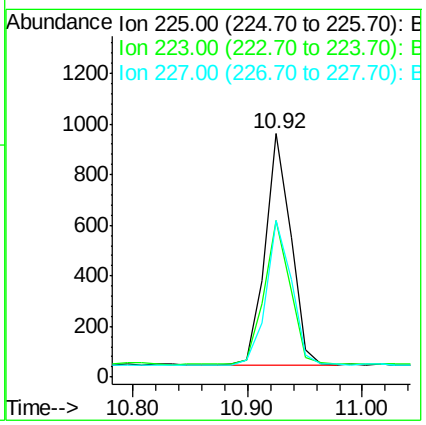


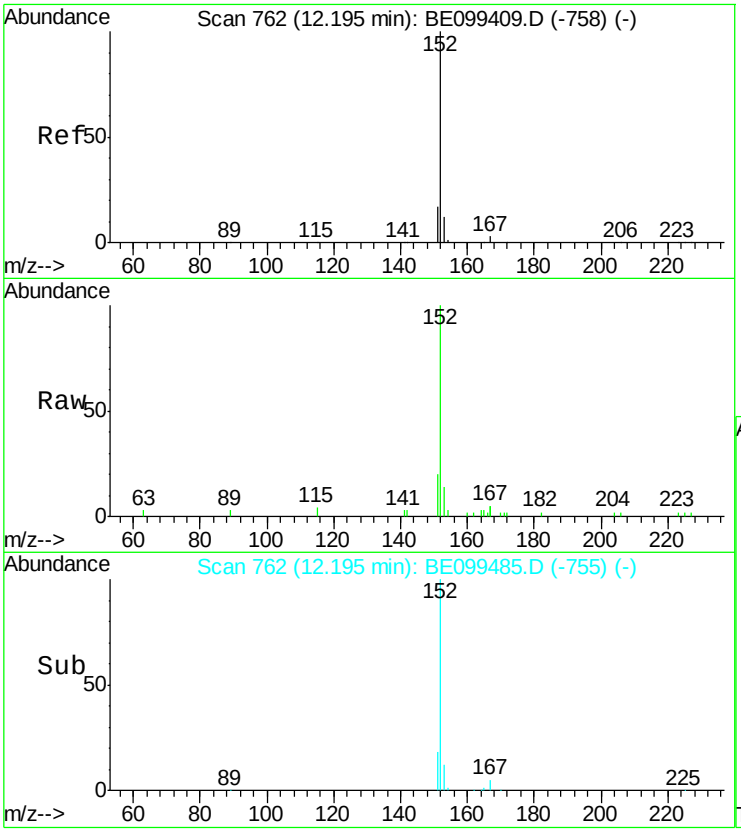


#10
Hexachlorobutadiene
Concen: 0.252 ng
RT: 10.92 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:225 Resp: 1443

Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.0	76.6
227	62.0	50.9	76.3



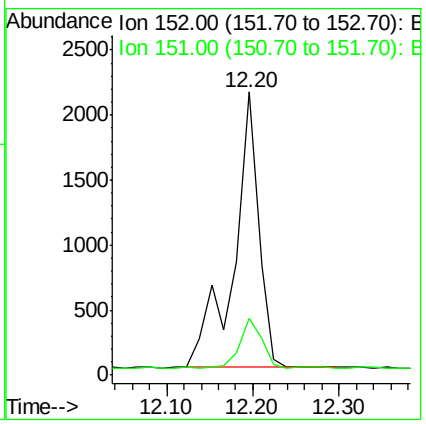


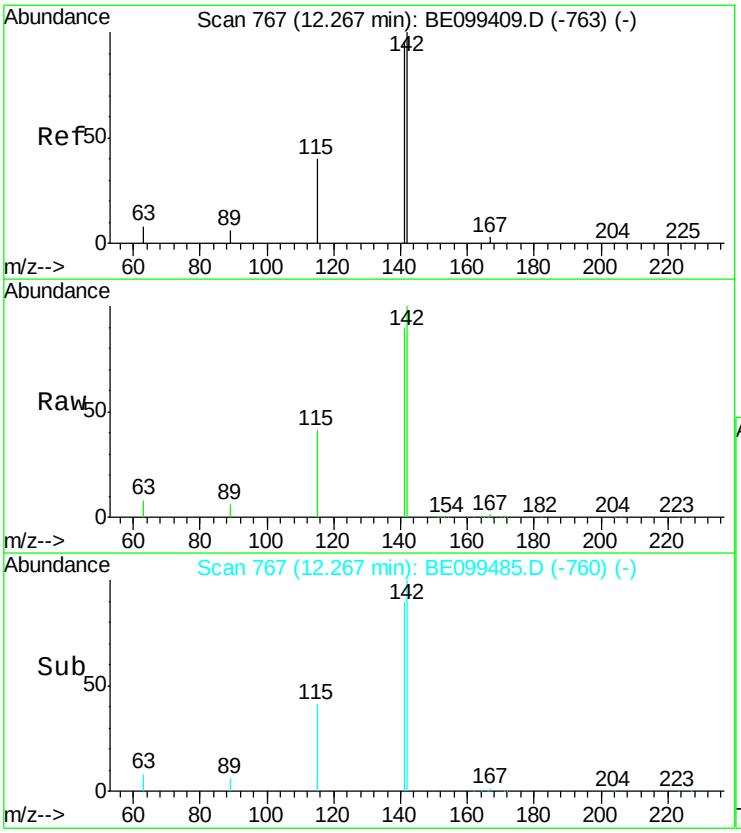
#11
2-Methylnaphthalene-d10
Concen: 0.312 ng
RT: 12.20 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:152 Resp: 4256

Ion	Ratio	Lower	Upper
152	100		
151	15.7	15.5	23.3

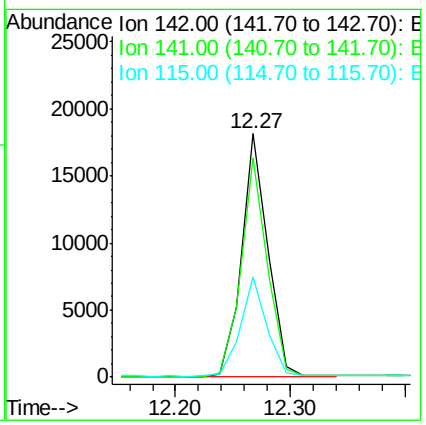


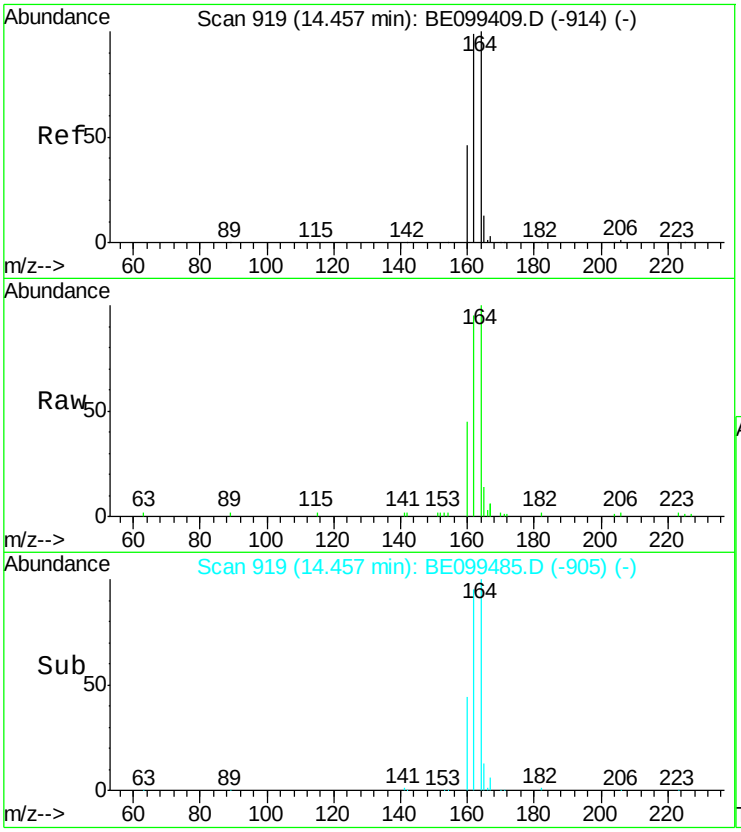


#12
2-Methylnaphthalene
Concen: 1.983 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:142 Resp: 28431

Ion	Ratio	Lower	Upper
142	100		
141	89.9	77.0	115.4
115	41.4	33.4	50.0



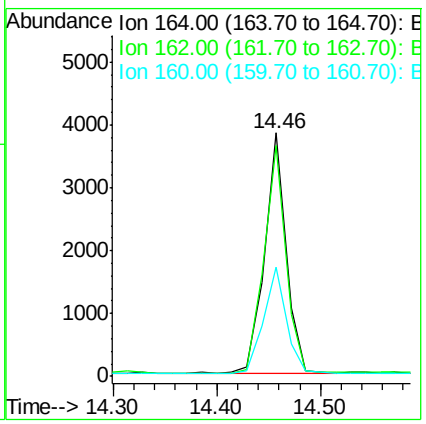


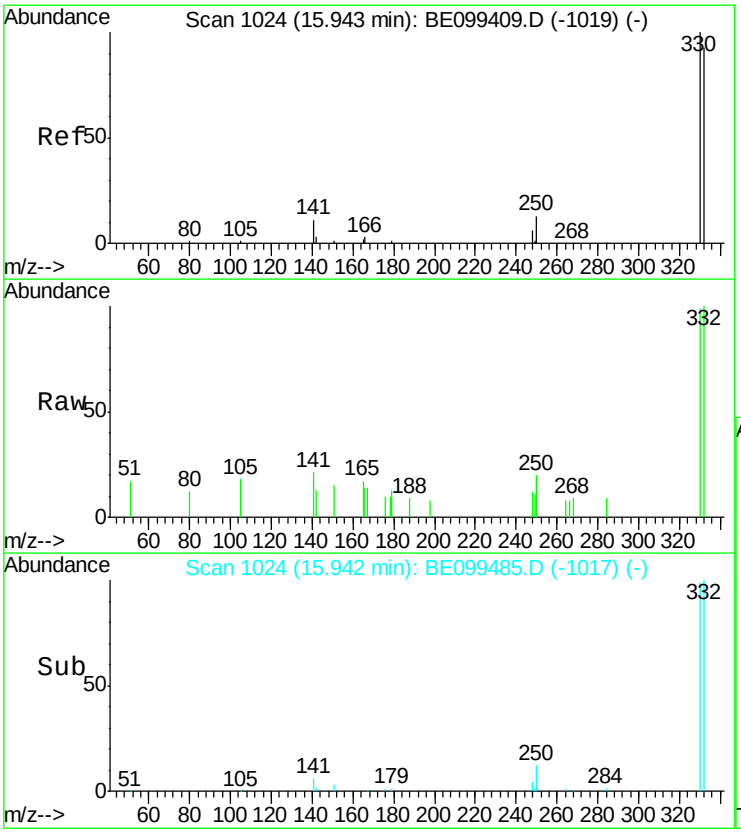
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:164 Resp: 5588

Ion	Ratio	Lower	Upper
164	100		
162	94.7	79.0	118.4
160	45.1	37.0	55.4

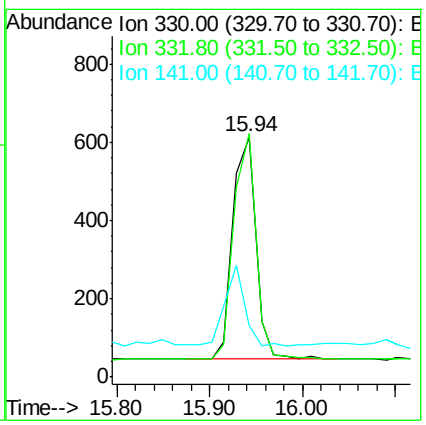


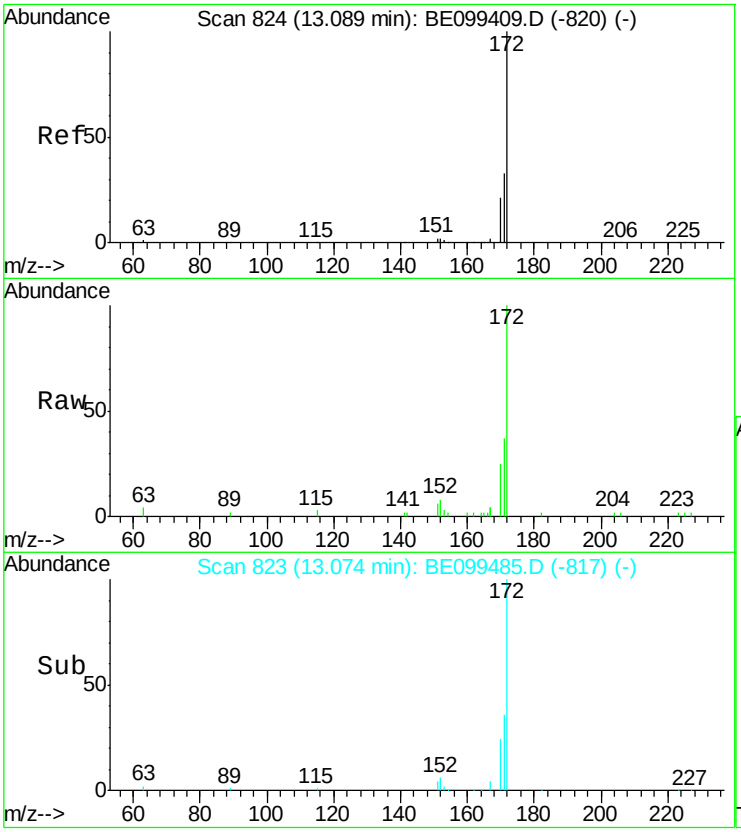


#14
2,4,6-Tribromophenol
Concen: 0.273 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:330 Resp: 962

Ion	Ratio	Lower	Upper
330	100		
332	99.1	71.5	107.3
141	31.6	24.0	36.0



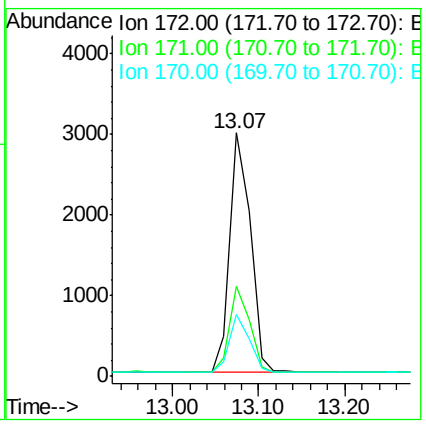


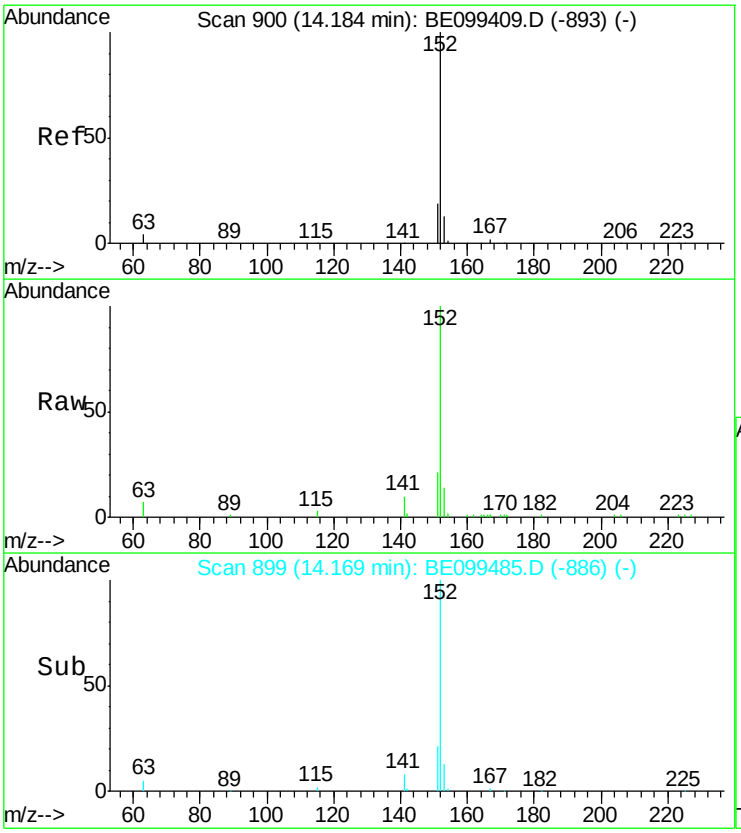
#15
2-Fluorobiphenyl
Concen: 0.230 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:172 Resp: 4906

Ion	Ratio	Lower	Upper
172	100		
171	37.1	26.6	39.8
170	25.5	17.0	25.6

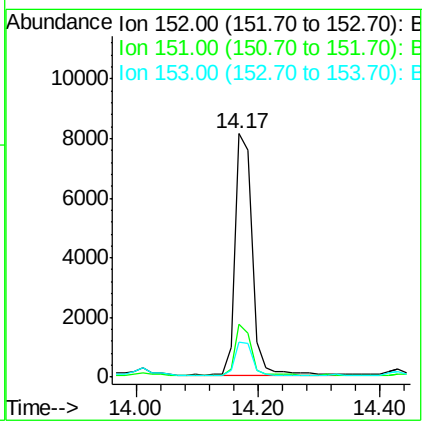


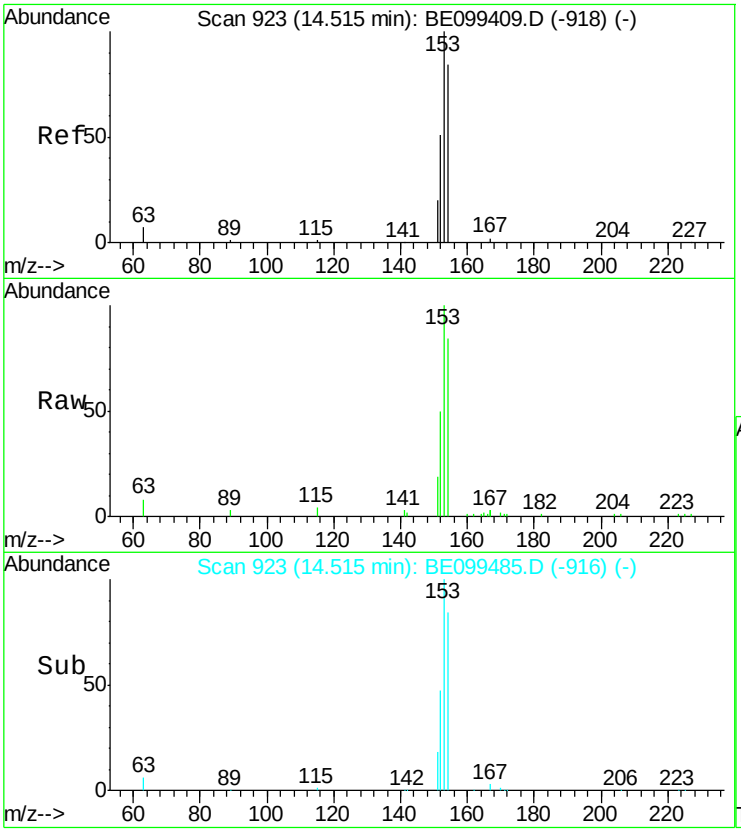


#16
Acenaphthylene
Concen: 0.588 ng
RT: 14.17 min Scan# 899
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:152 Resp: 16081

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	14.0	9.8	14.6



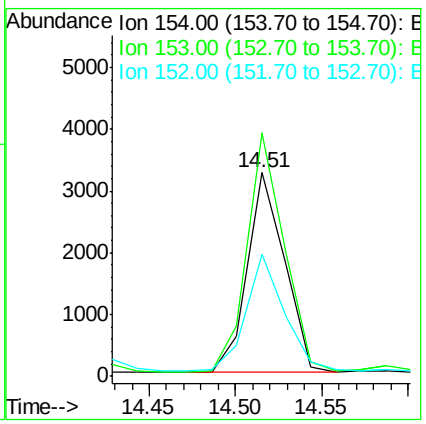


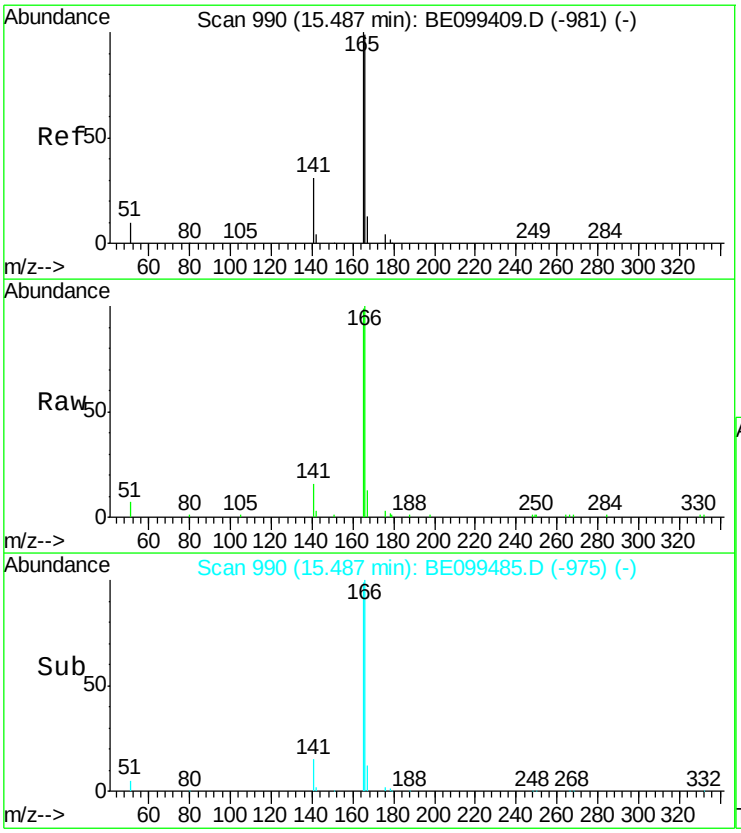
#17
Acenaphthene
Concen: 0.313 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:154 Resp: 4880

Ion	Ratio	Lower	Upper
154	100		
153	119.1	92.6	138.8
152	59.7	45.8	68.8

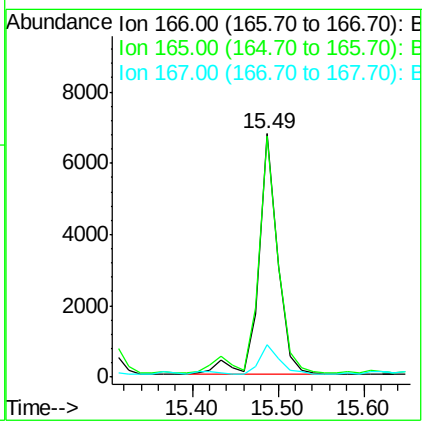


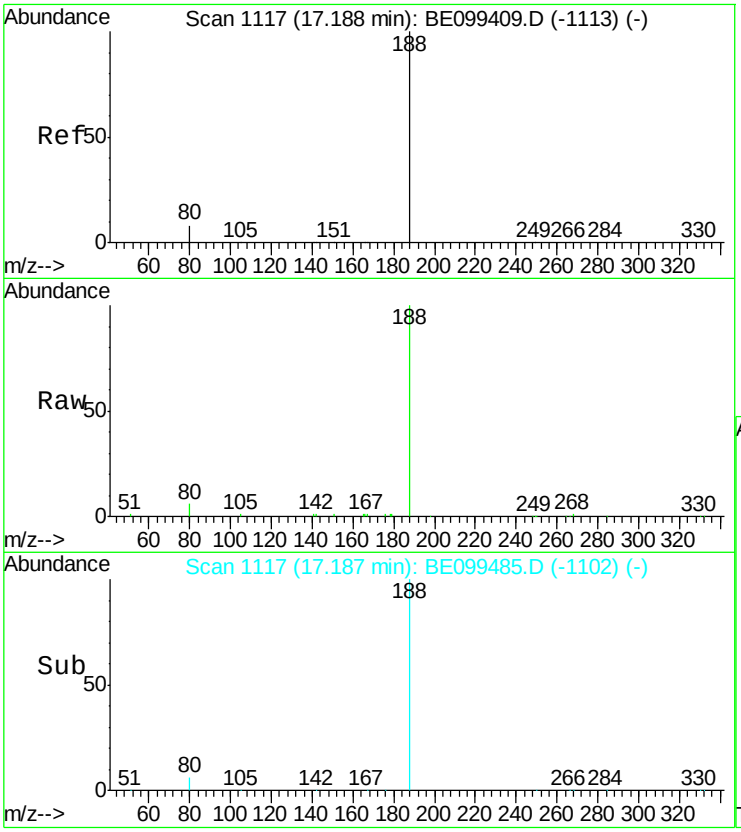


#18
Fluorene
Concen: 0.453 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:166 Resp: 10435

Ion	Ratio	Lower	Upper
166	100		
165	102.4	80.3	120.5
167	13.0	10.7	16.1



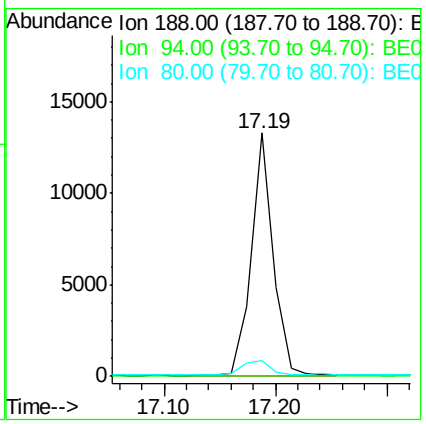


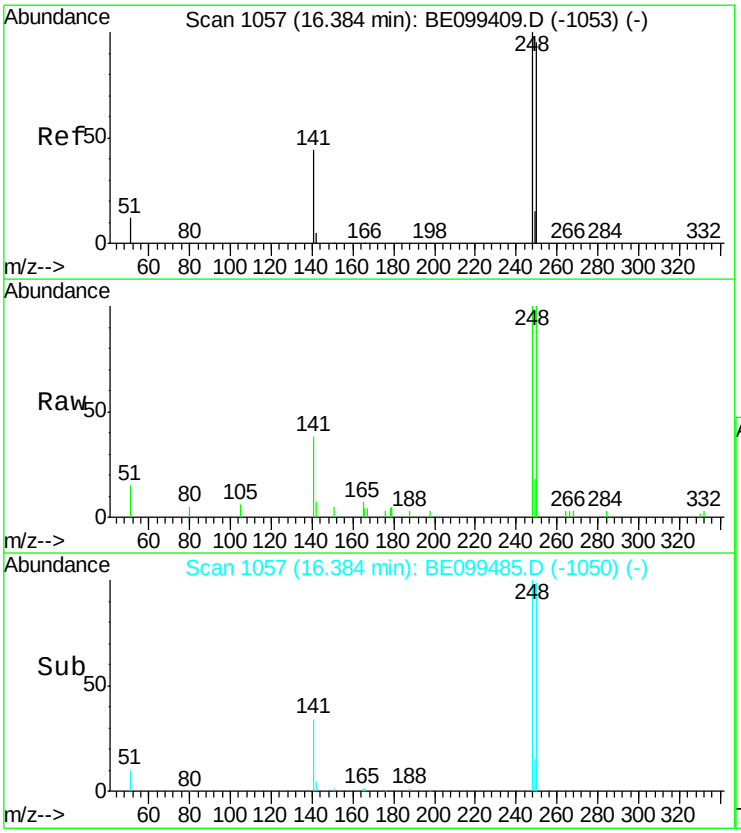
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:188 Resp: 18050

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.4	6.7	10.1#

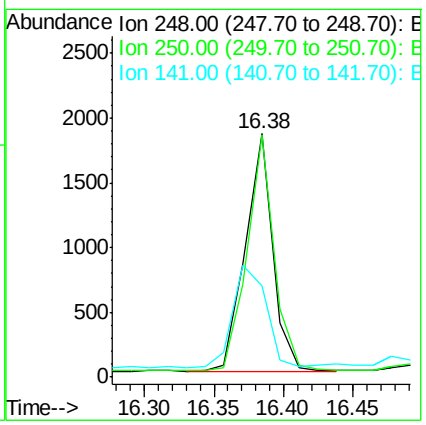


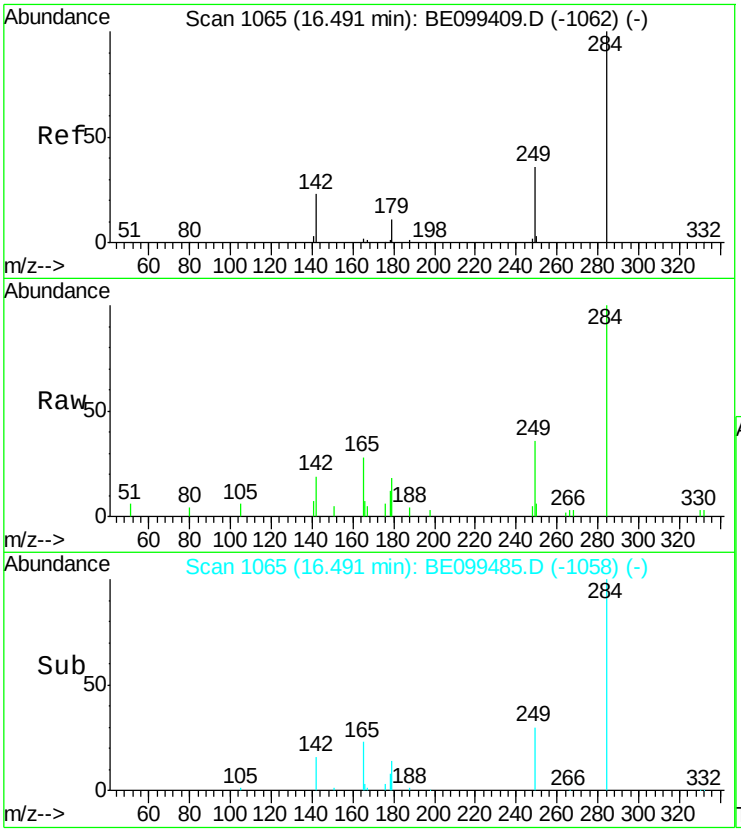


#20
4-Bromophenyl-phenylether
Concen: 0.238 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:248 Resp: 2503

Ion	Ratio	Lower	Upper
248	100		
250	99.7	75.8	113.8
141	37.7	35.7	53.5



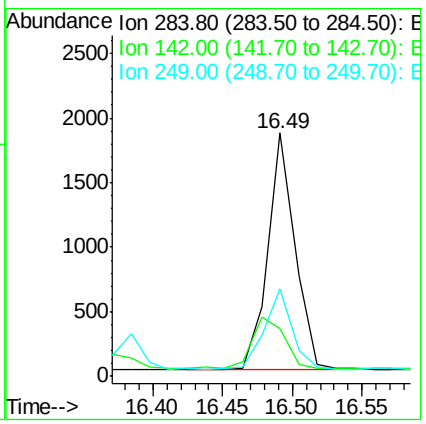


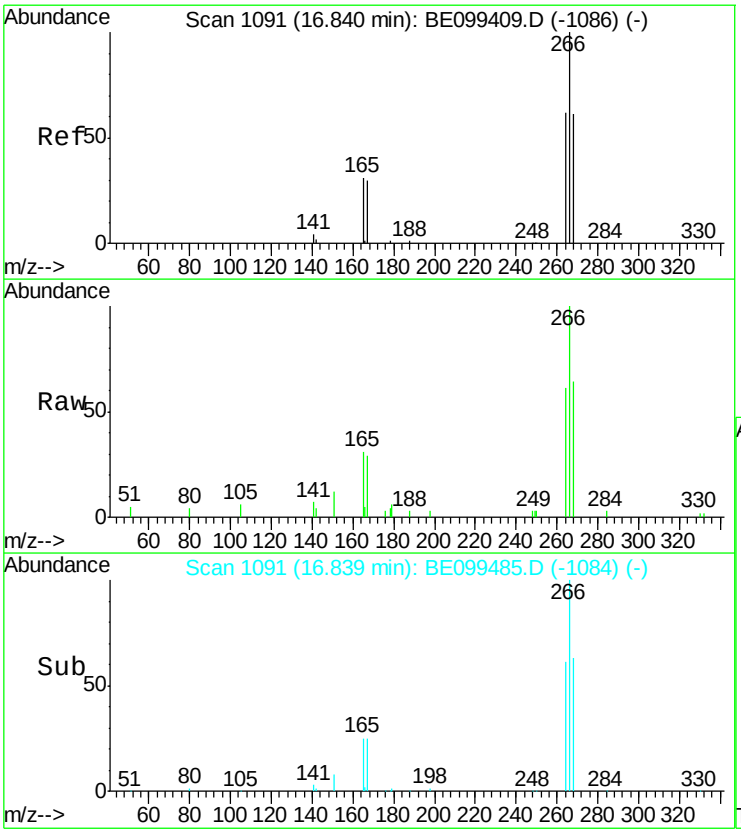
#21
Hexachlorobenzene
Concen: 0.249 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:284 Resp: 2495

Ion	Ratio	Lower	Upper
284	100		
142	25.5	21.0	31.6
249	34.5	26.7	40.1

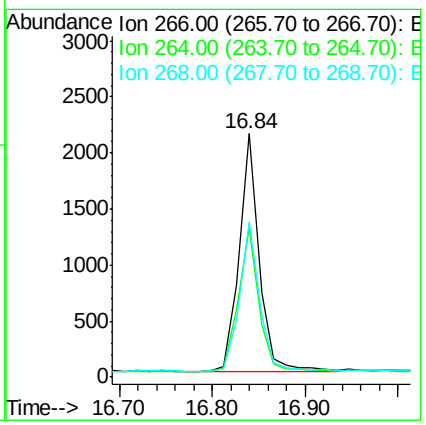


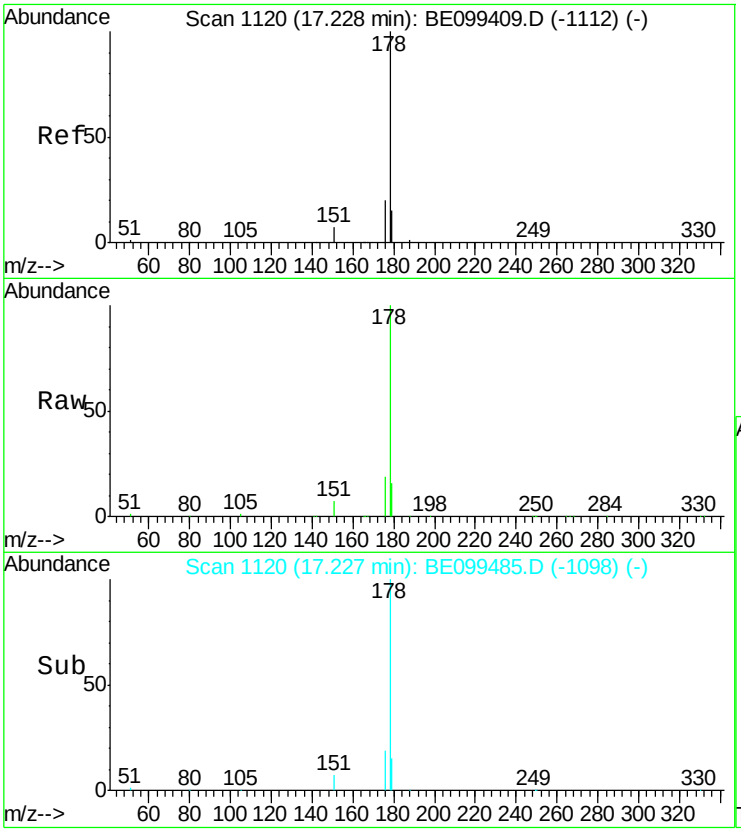


#22
Pentachlorophenol
Concen: 0.735 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:266 Resp: 3131

Ion	Ratio	Lower	Upper
266	100		
264	61.4	50.8	76.2
268	63.8	50.5	75.7



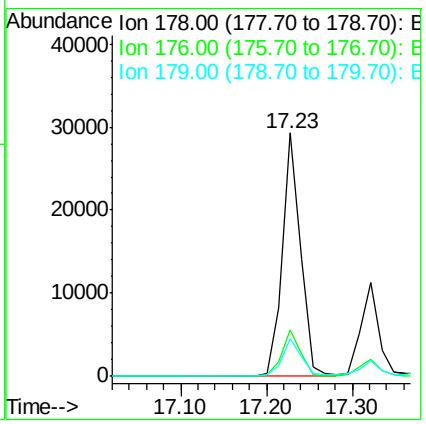


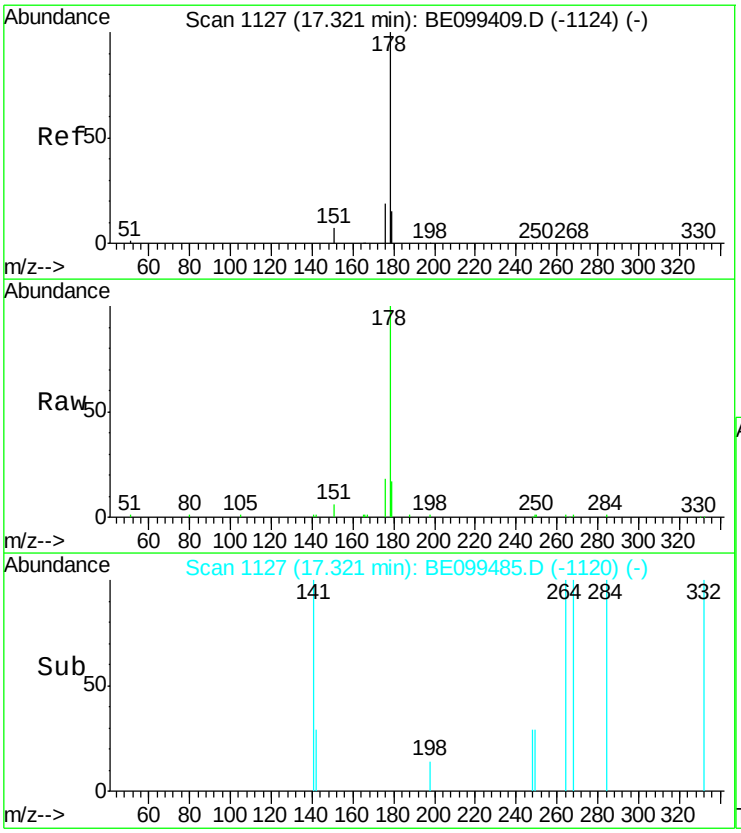
#23
Phenanthrene
Concen: 0.914 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:178 Resp: 42586

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.6	23.4
179	15.8	12.0	18.0

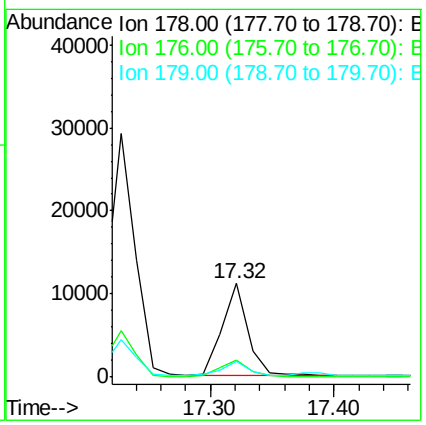


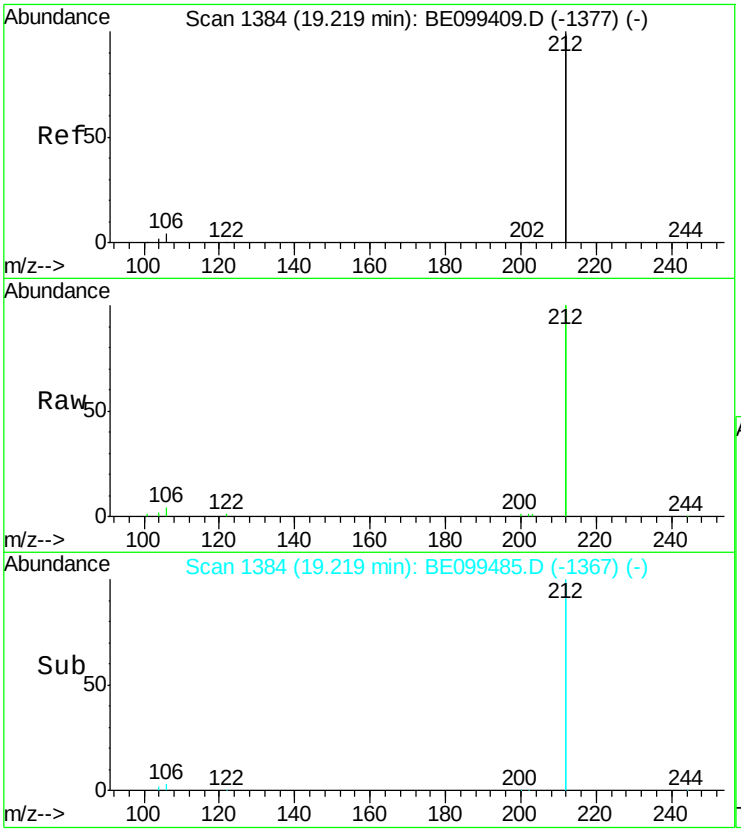


#24
Anthracene
Concen: 0.360 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:178 Resp: 15983

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	16.2	11.9	17.9



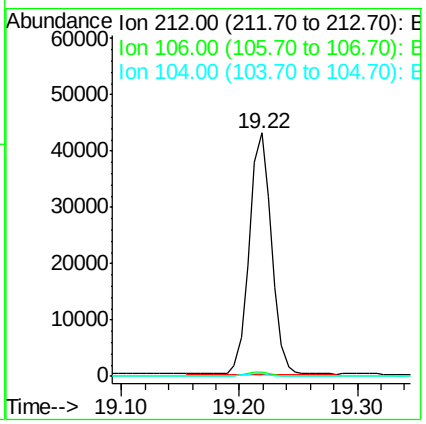


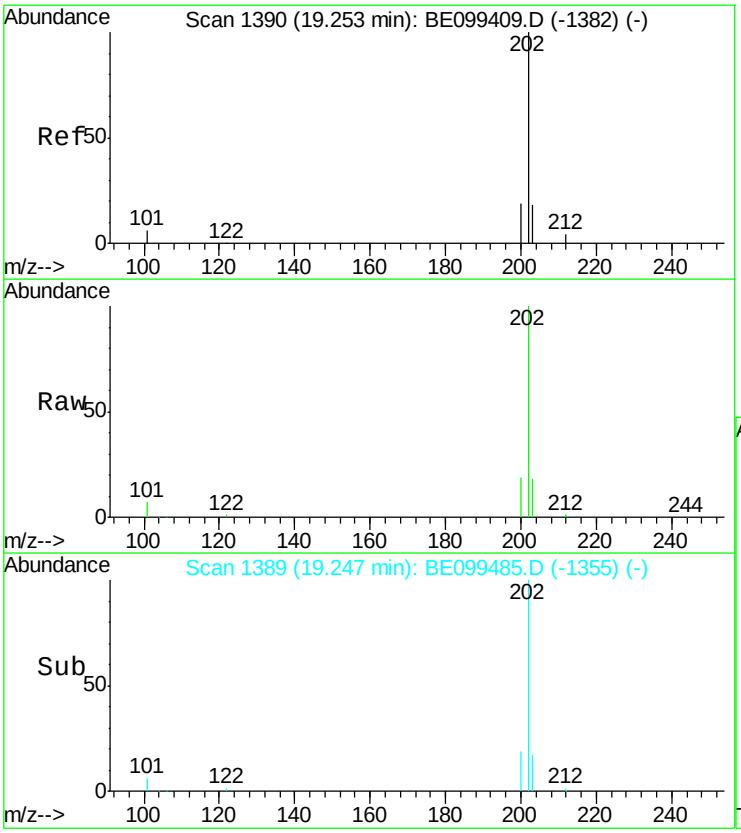
#25
Fluoranthene-d10
Concen: 0.230 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:212 Resp: 55867

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.5	2.3
104	1.2	0.9	1.3

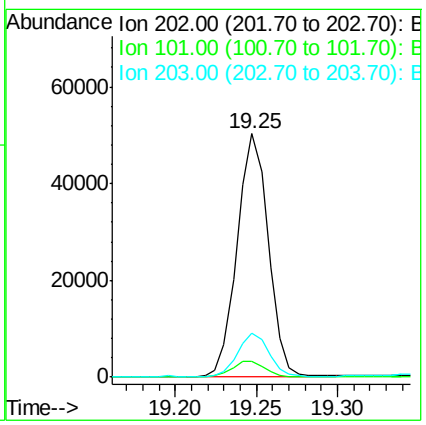


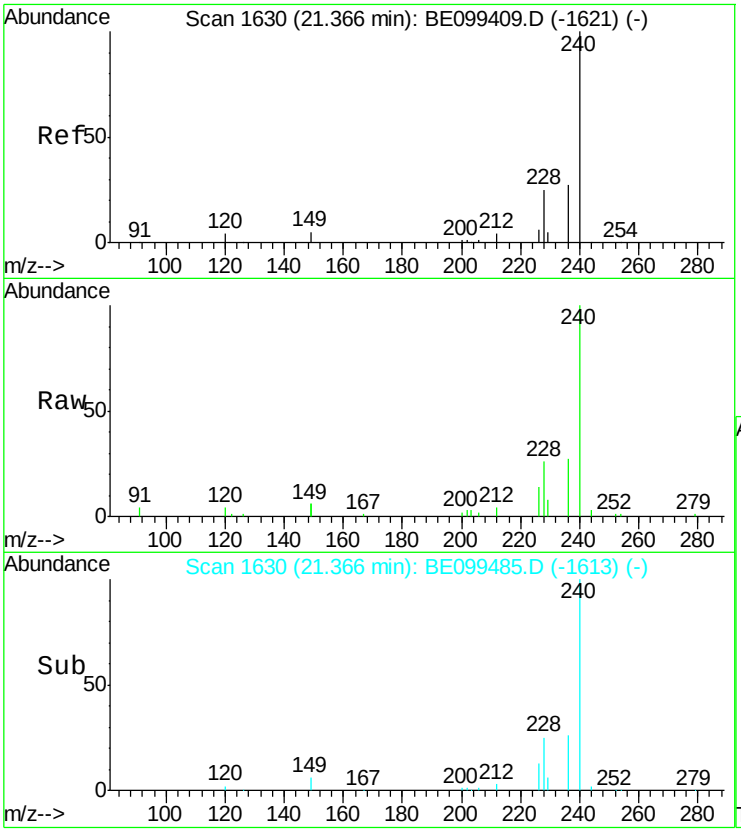


#26
Fluoranthene
Concen: 0.959 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:202 Resp: 66887

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.4	8.0
203	17.3	13.9	20.9



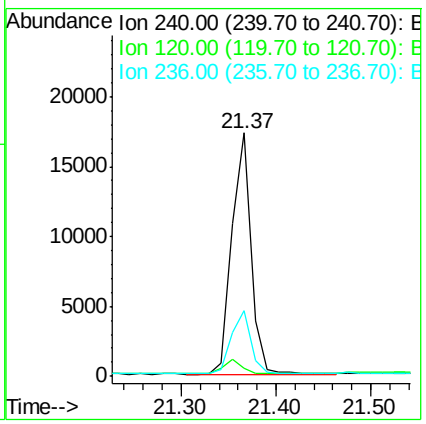


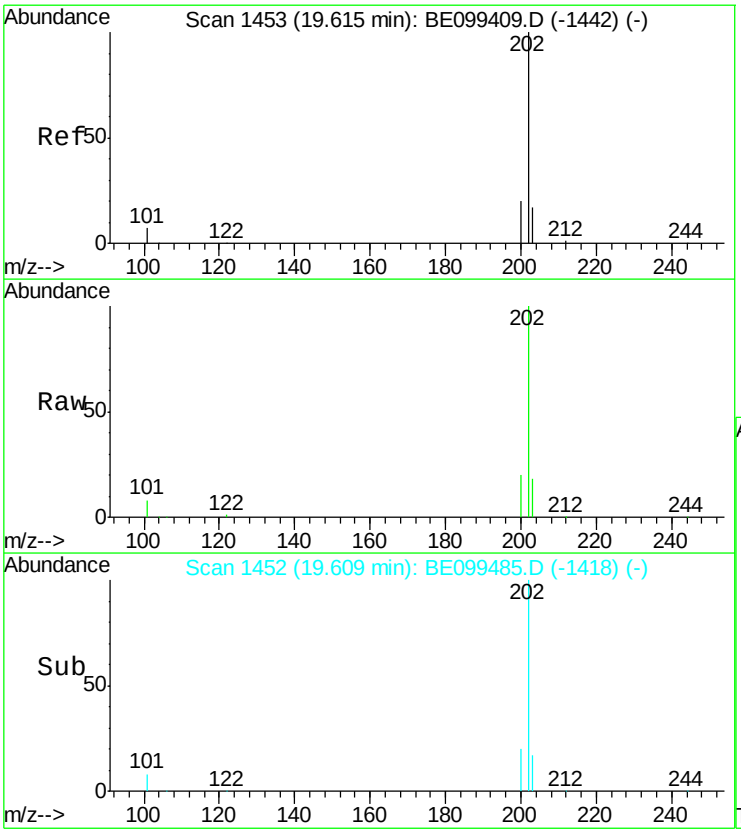
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:240 Resp: 24345

Ion	Ratio	Lower	Upper
240	100		
120	3.5	4.0	6.0#
236	27.1	22.0	33.0

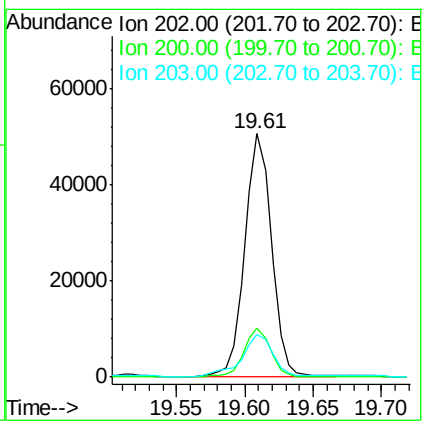


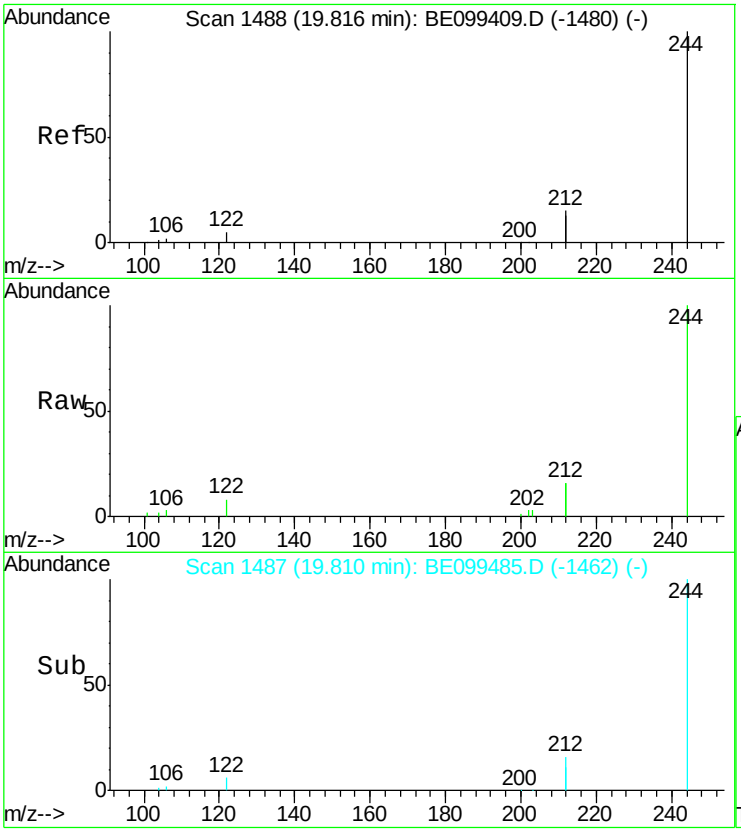


#28
Pyrene
Concen: 1.061 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:202 Resp: 67319

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	19.8	13.9	20.9



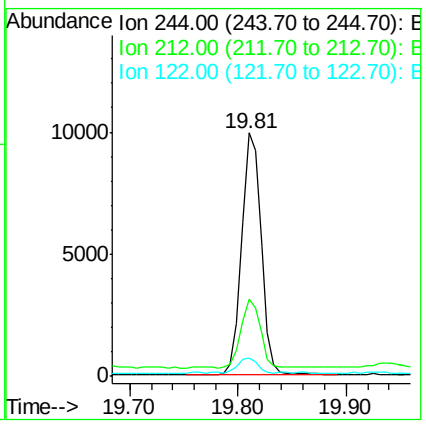


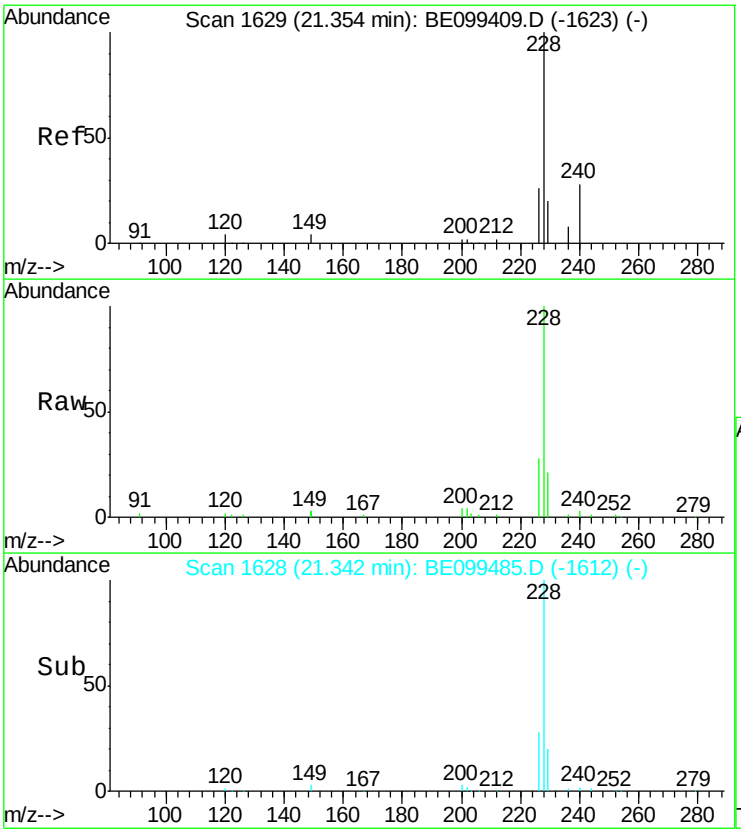
#29
Terphenyl-d14
Concen: 0.275 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:244 Resp: 12278

Ion	Ratio	Lower	Upper
244	100		
212	31.8	23.2	34.8
122	7.7	4.2	6.4#

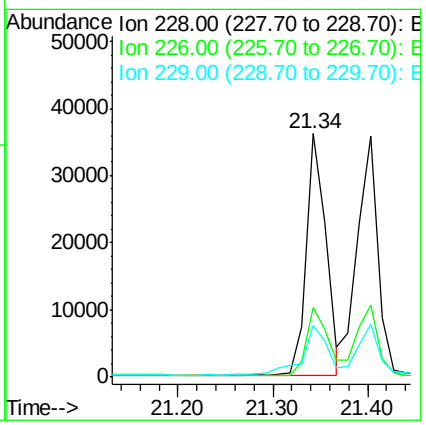


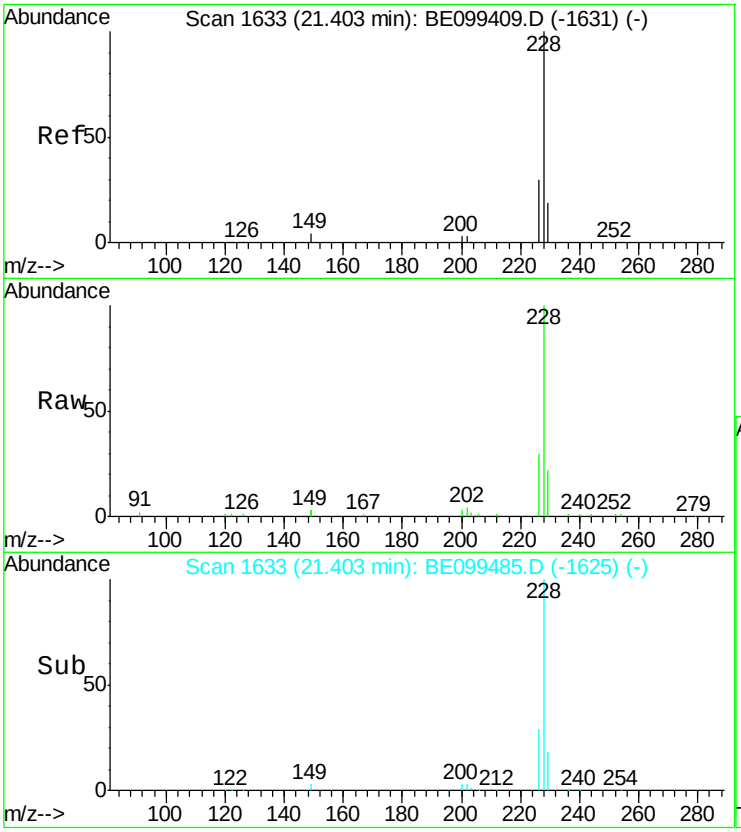


#30
Benzo(a)anthracene
Concen: 0.672 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:228 Resp: 52145

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.0	31.6
229	21.0	16.6	25.0



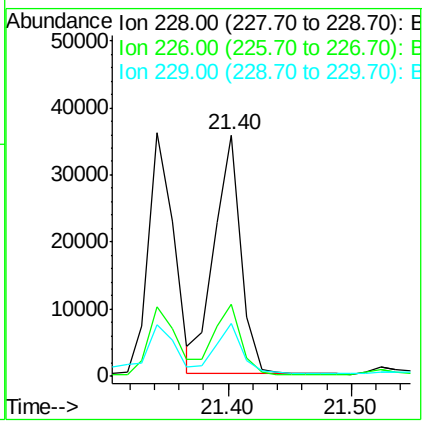


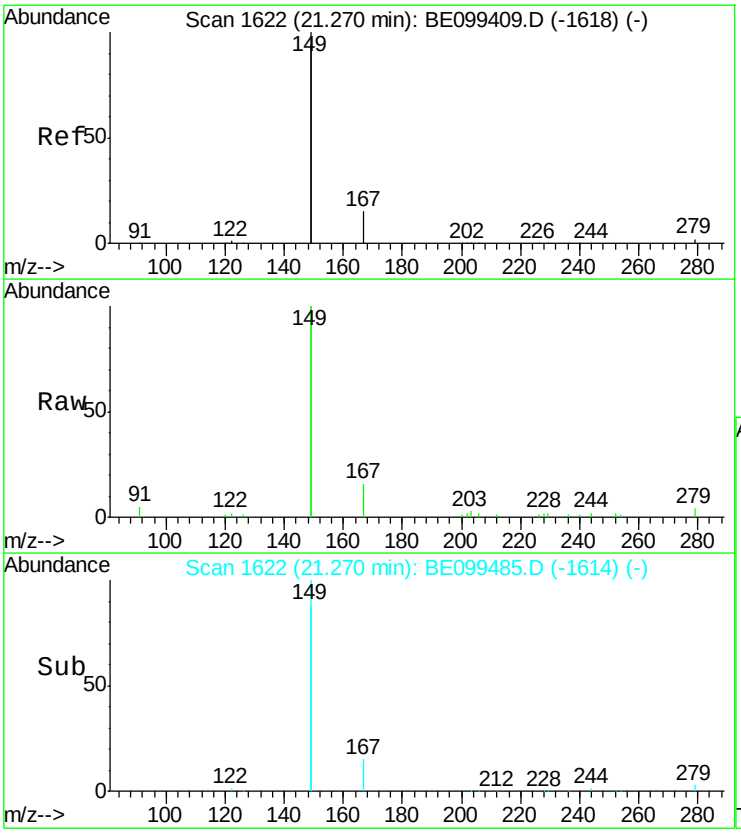
#31
Chrysene
Concen: 0.709 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:228 Resp: 53814

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	21.9	15.8	23.8

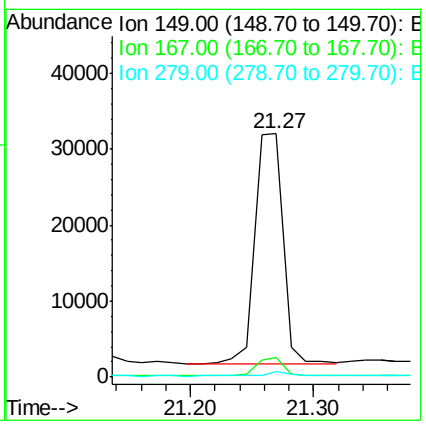


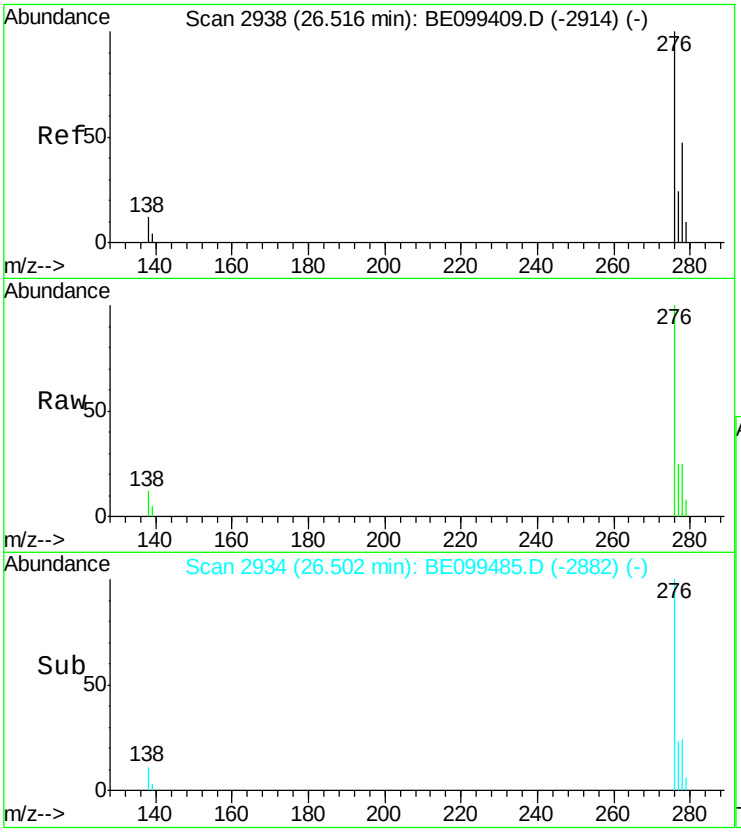


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.369 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:149 Resp: 48174

Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.8	8.6
279	1.6	1.0	1.6#



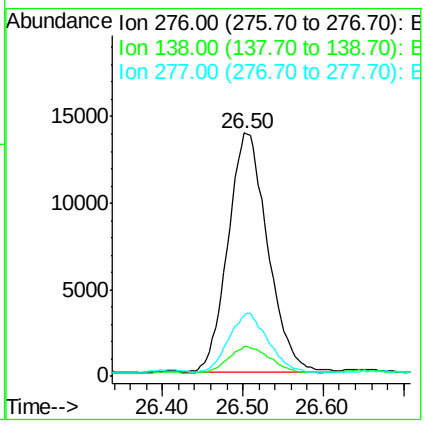


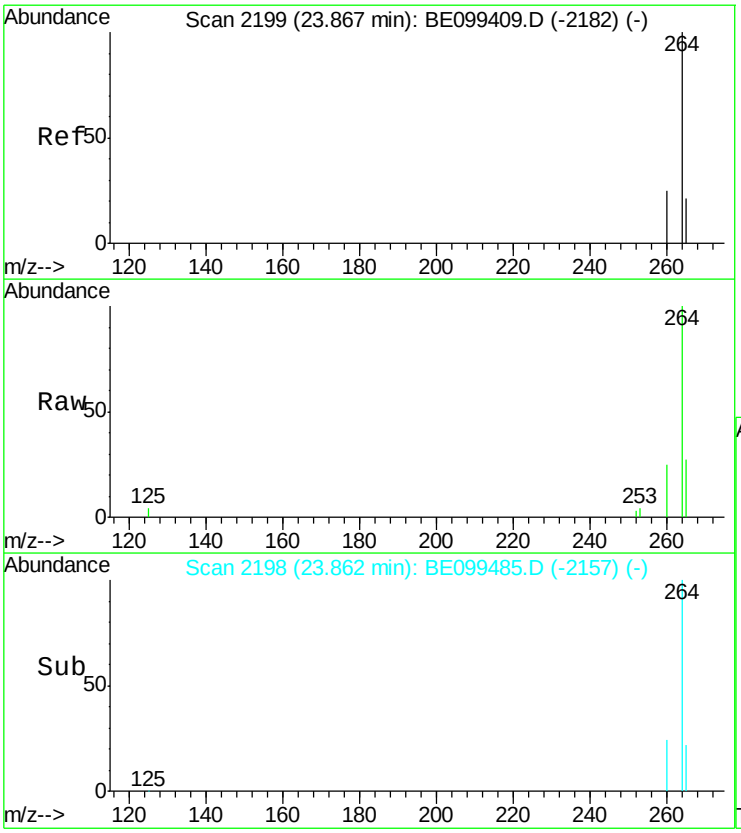
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.525 ng
RT: 26.50 min Scan# 2934
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:276 Resp: 47090

Ion	Ratio	Lower	Upper
276	100		
138	12.0	10.2	15.2
277	24.3	19.2	28.8

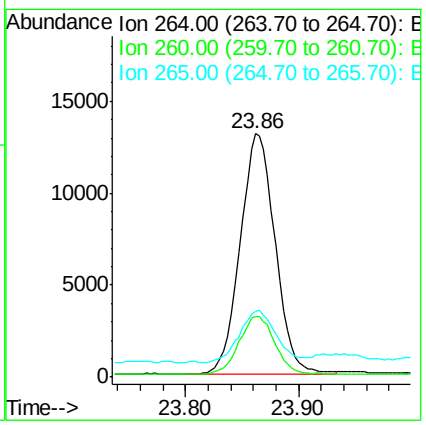


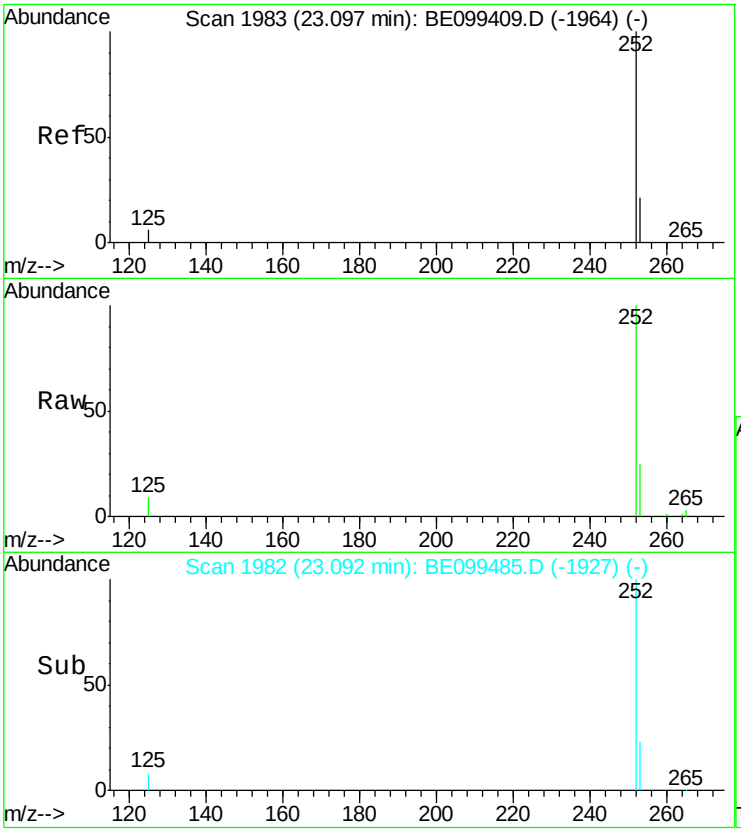


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2198
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:264 Resp: 28031

Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.2	30.2
265	27.2	21.3	31.9



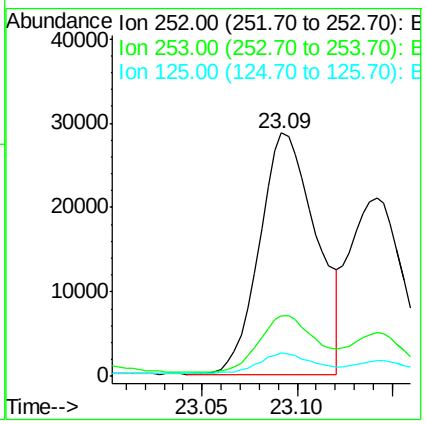


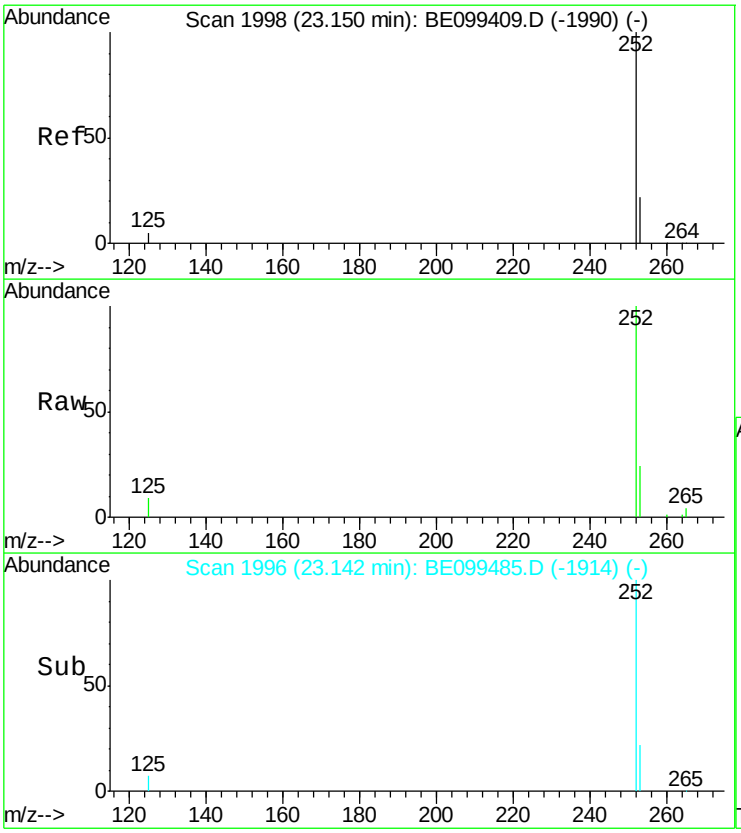
#35
Benzo(b)fluoranthene
Concen: 0.735 ng
RT: 23.09 min Scan# 1982
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:252 Resp: 59371

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	9.5	5.6	8.4#

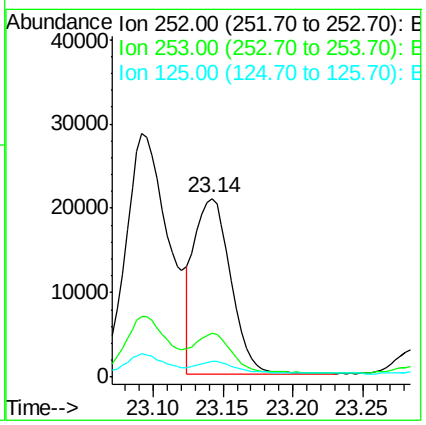


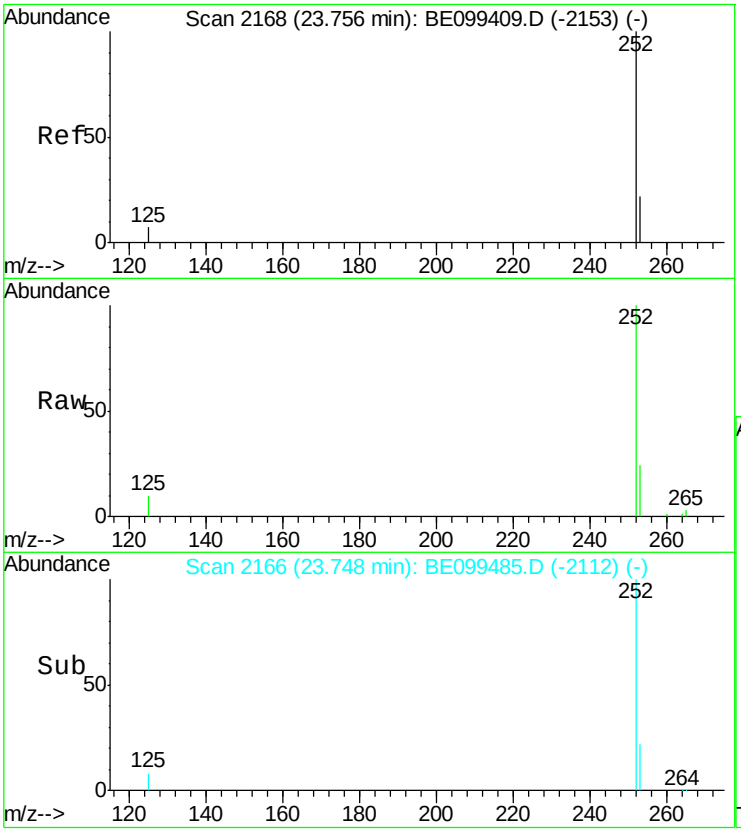


#36
Benzo(k)fluoranthene
Concen: 0.484 ng
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:252 Resp: 37716

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.4	27.6
125	8.5	5.0	7.4#



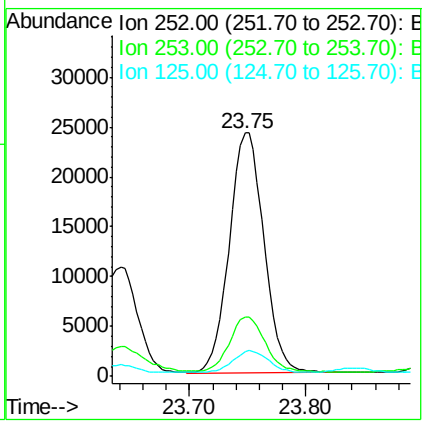


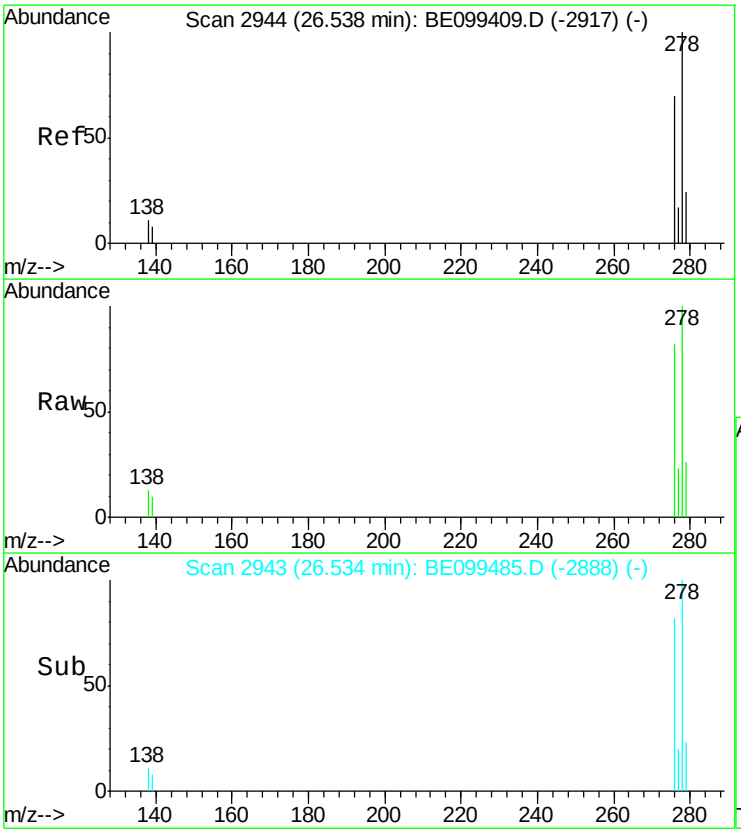
#37
Benzo(a)pyrene
Concen: 0.651 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:252 Resp: 49742

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.9	28.3
125	9.9	6.7	10.1

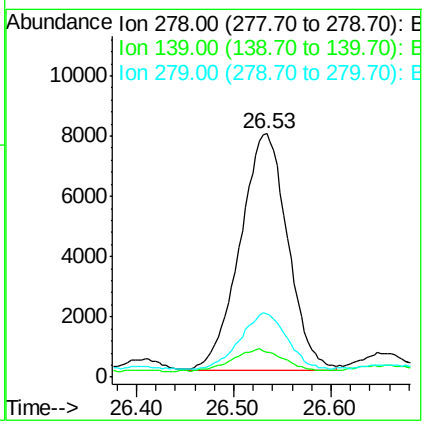


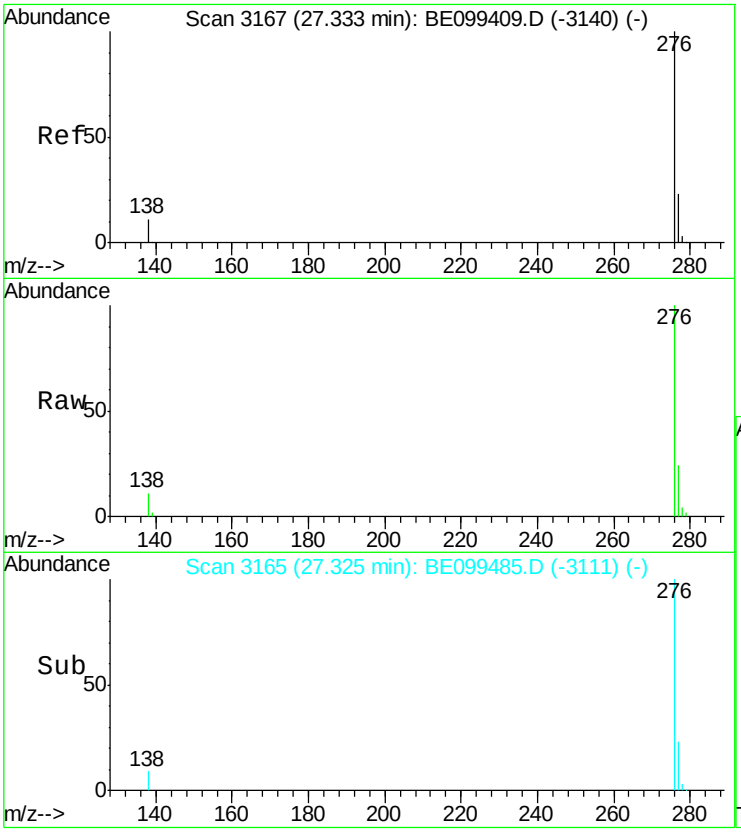


#38
Dibenzo(a,h)anthracene
Concen: 0.342 ng
RT: 26.53 min Scan# 2943
Delta R.T. -0.00 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Tgt Ion:278 Resp: 26715

Ion	Ratio	Lower	Upper
278	100		
139	10.0	7.7	11.5
279	26.1	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.561 ng
RT: 27.33 min Scan# 3165
Delta R.T. -0.01 min
Lab File: BE099485.D
Acq: 2 May 2019 4:36

Instrument :
BNA_E
ClientSampleId :
PST-023-SW027-042319MS

Tgt Ion:276 Resp: 43941

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.5	29.3
138	11.0	9.6	14.4