Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099486.D
Acq On : 2 May 2019 5:11
Operator : JU/SJ
Sample : K2569-03MSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: May 02 07:45:31 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	7.81	152	1952	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	7088	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	5068	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	16156	0.40	ng		0.00
27) Chrysene-d12	21.37	240	22598	0.40	ng		0.00
34) Perylene-d12	23.87	264	25965	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	1628	0.30	ng		0.00
5) Phenol-d6	6.97	99	2324	0.32	ng		0.00
8) Nitrobenzene-d5	8.96	82	2006	0.30	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	4683	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	996	0.31	ng		0.00
15) 2-Fluorobiphenyl	13.07	172	4773	0.25	ng		-0.02
25) Fluoranthene-d10	19.22	212	55345	0.25	ng		0.00
29) Terphenyl-d14	19.81	244	12056	0.29	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	586	0.218	ng	#	85
3) n-Nitrosodimethylamine	3.64	42	473	0.292	ng	#	95
6) bis(2-Chloroethyl)ether	7.23	93	1766	0.285	ng		99
9) Naphthalene	10.65	128	24362	0.315	ng		100
10) Hexachlorobutadiene	10.93	225	1416	0.264	ng		98
12) 2-Methylnaphthalene	12.27	142	4286	0.319	ng		96
16) Acenaphthylene	14.18	152	9717	0.392	ng		99
17) Acenaphthene	14.51	154	4176	0.295	ng		98
18) Fluorene	15.49	166	6578	0.315	ng		98
20) 4-Bromophenyl-phenylether	16.38	248	2463	0.262	ng		90
21) Hexachlorobenzene	16.49	284	2385	0.266	ng		99
22) Pentachlorophenol	16.84	266	3500	0.865	ng		97
23) Phenanthrene	17.23	178	28174	0.676	ng		100
24) Anthracene	17.32	178	14224	0.358	ng		98
26) Fluoranthene	19.25	202	63093	1.010	ng		100
28) Pyrene	19.61	202	67539	1.147	ng		97
30) Benzo(a)anthracene	21.34	228	53145	0.738	ng		97
31) Chrysene	21.40	228	57567	0.817	ng		99
32) Bis(2-ethylhexyl)phthalate	21.26	149	47023	0.391	ng		99
33) Indeno(1,2,3-cd)pyrene	26.51	276	52406	0.629	ng		98
35) Benzo(b)fluoranthene	23.14	252	39088	0.522	ng		97
36) Benzo(k)fluoranthene	23.14	252	39088	0.541	ng	#	97
37) Benzo(a)pyrene	23.64	252	29092	0.411	ng		96
38) Dibenzo(a,h)anthracene	26.53	278	27419	0.379	ng	#	97
39) Benzo(g,h,i)perylene	27.32	276	47861	0.660	ng		97

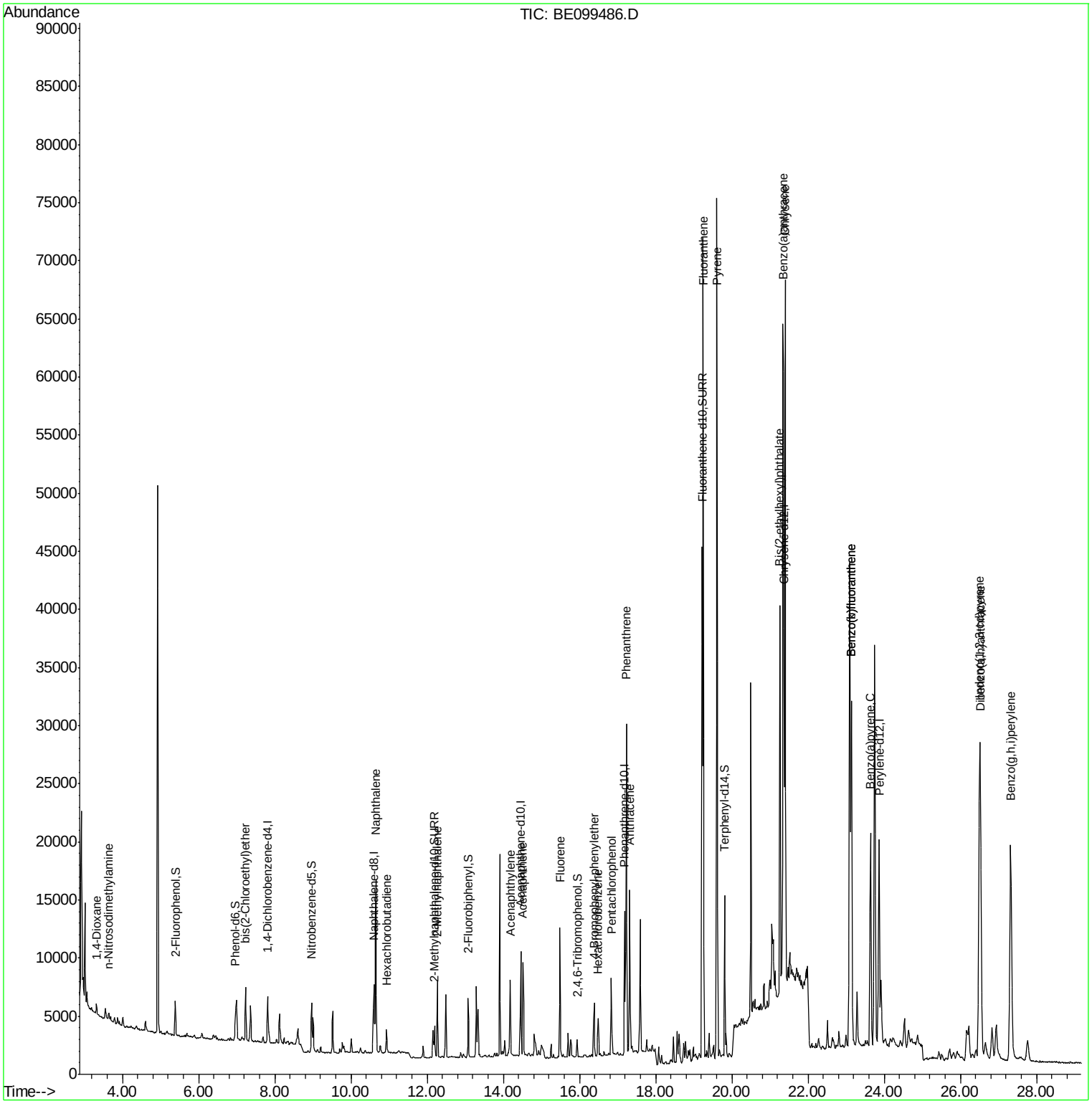
(#) = qualifier out of range (m) = manual integration (+) = signals summed

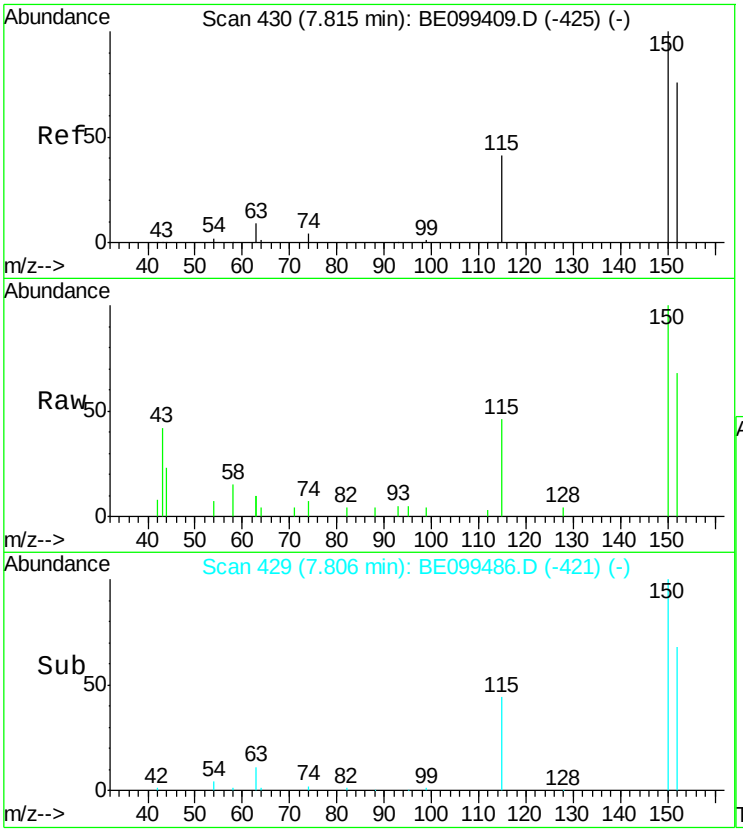
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050119\
Data File : BE099486.D
Acq On : 2 May 2019 5:11
Operator : JU/SJ
Sample : K2569-03MSD
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: May 02 07:45:31 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



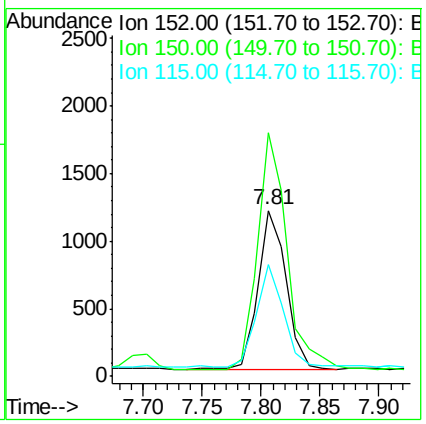


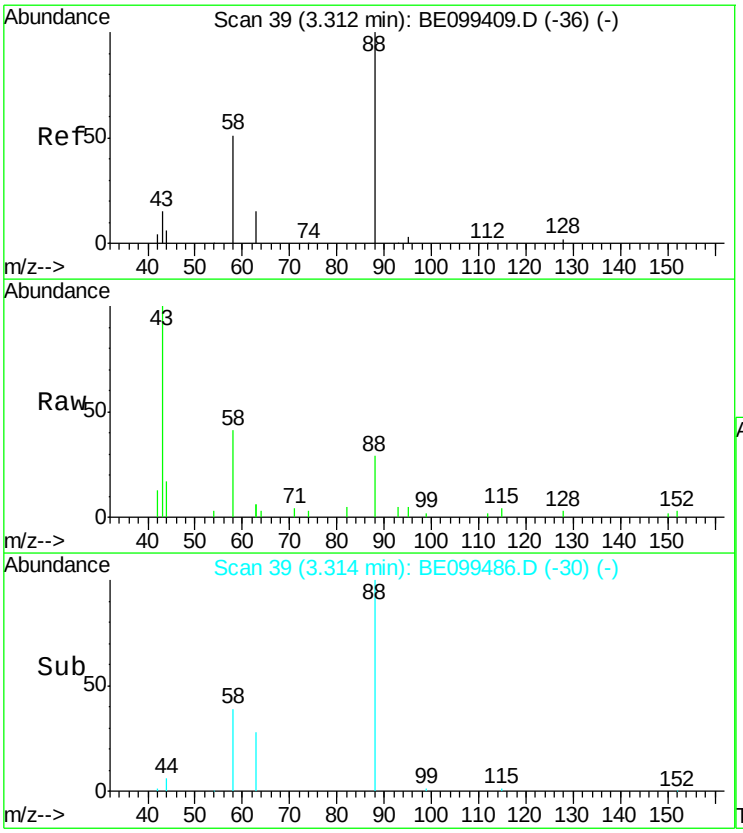
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:152 Resp: 1952

Ion	Ratio	Lower	Upper
152	100		
150	146.5	104.8	157.2
115	67.5	46.6	69.8

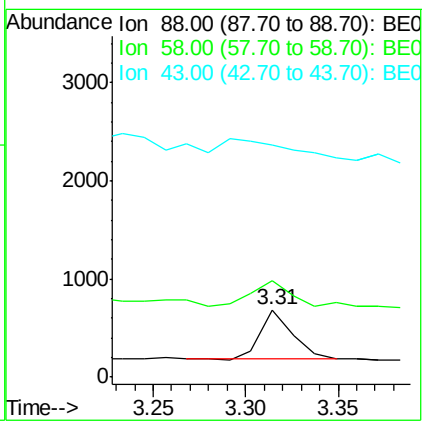


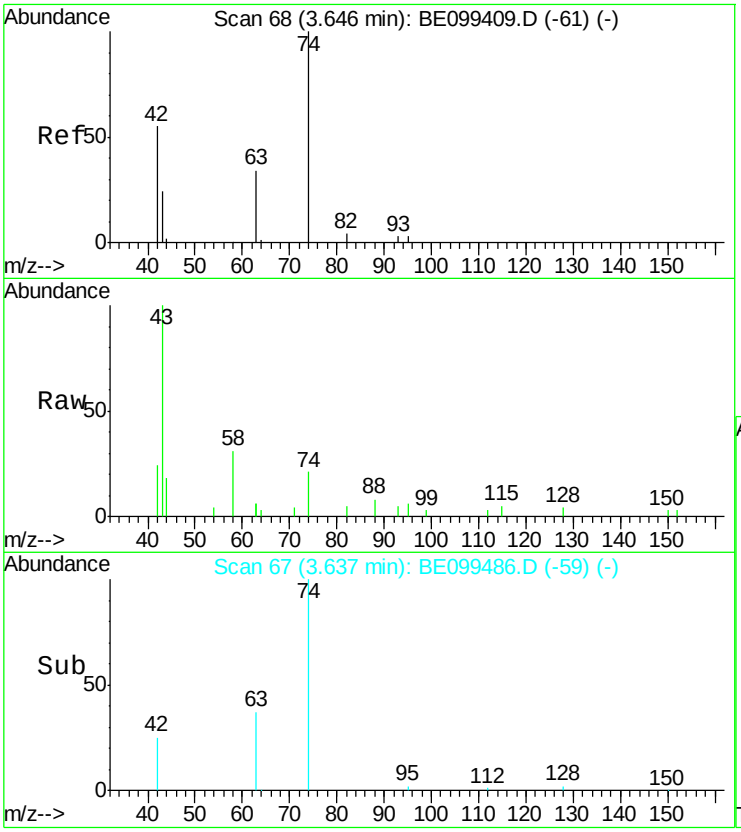


#2
1,4-Dioxane
Concen: 0.218 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion: 88 Resp: 586

Ion	Ratio	Lower	Upper
88	100		
58	62.8	51.0	76.6
43	0.0	20.6	30.8#



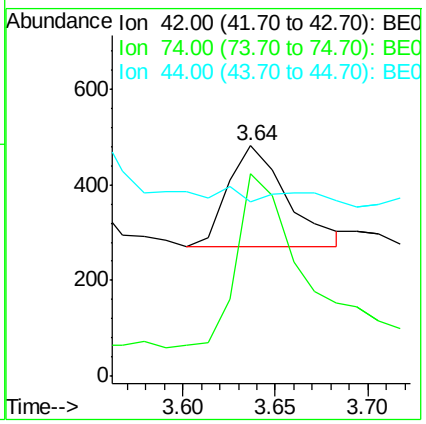


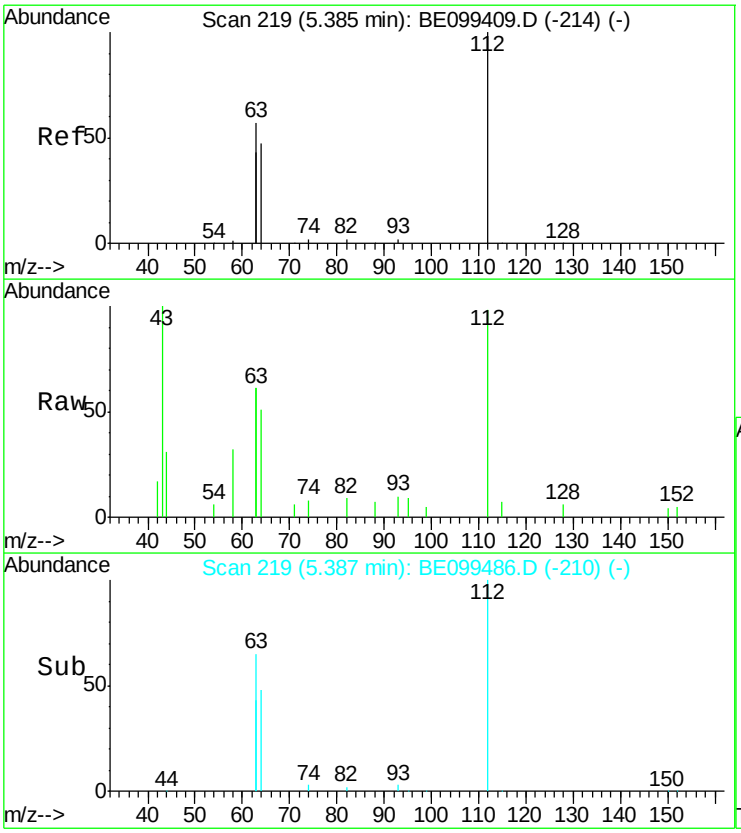
#3
n-Nitrosodimethylamine
Concen: 0.292 ng
RT: 3.64 min Scan# 67
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion: 42 Resp: 473

Ion	Ratio	Lower	Upper
42	100		
74	184.4	141.6	212.4
44	0.0	0.0	0.0

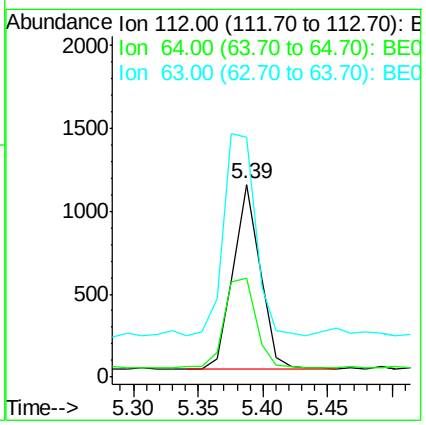


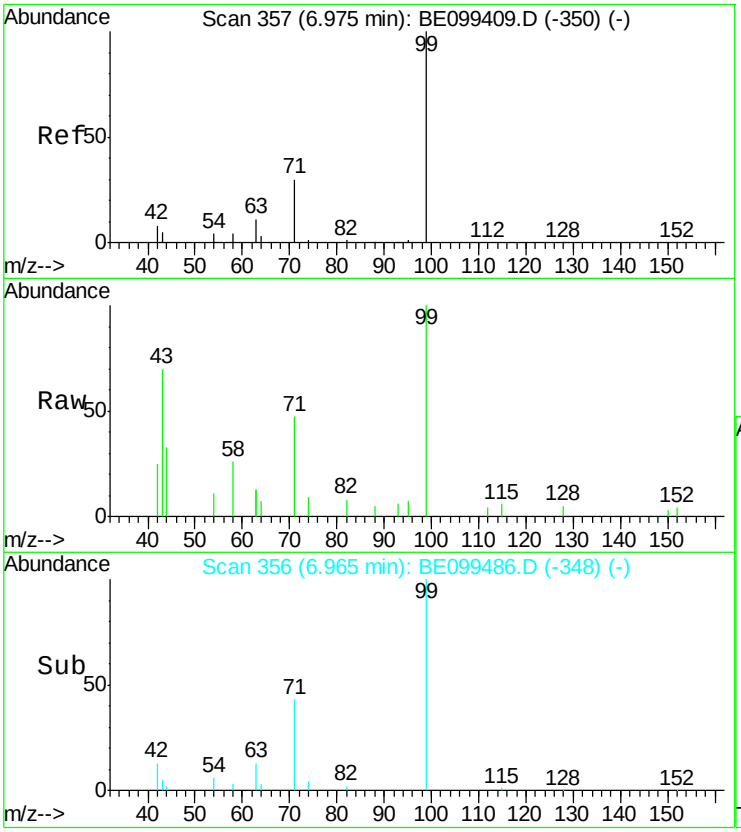


#4
2-Fluorophenol
Concen: 0.302 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:112 Resp: 1628

Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.4	71.0
63	129.1	104.3	156.5



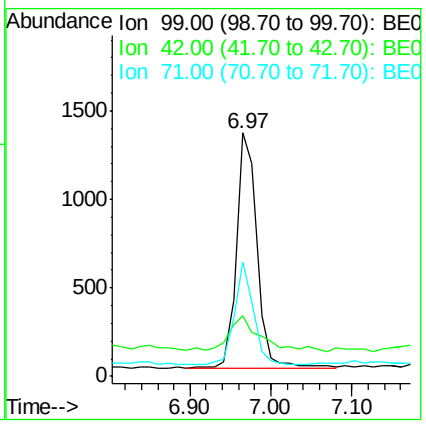


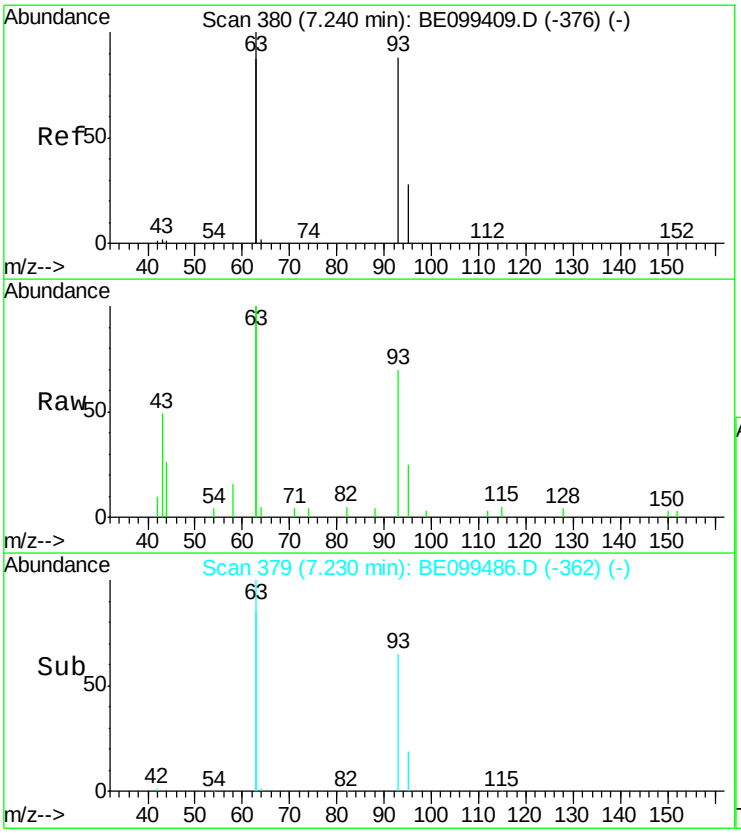
#5
Phenol-d6
Concen: 0.324 ng
RT: 6.97 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion: 99 Resp: 2324

Ion	Ratio	Lower	Upper
99	100		
42	19.8	14.9	22.3
71	40.7	33.0	49.6

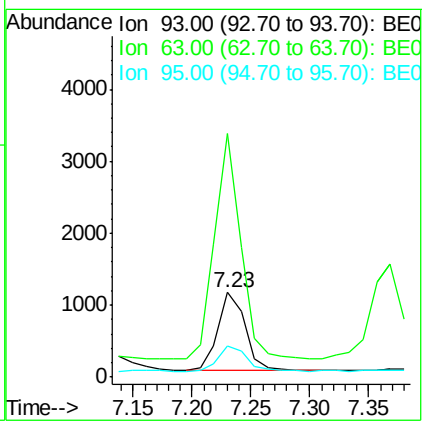


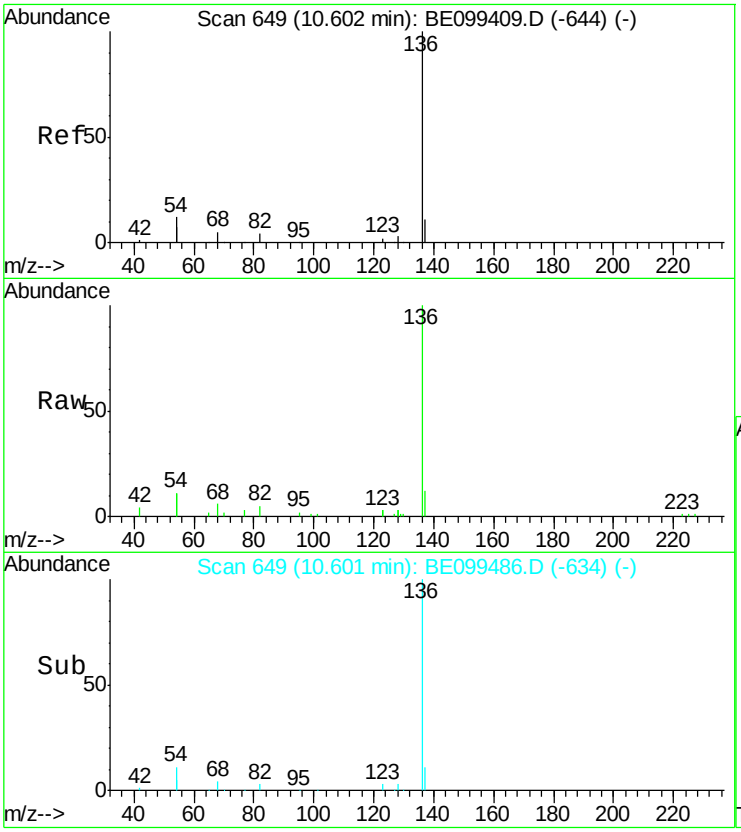


#6
bis(2-Chloroethyl)ether
Concen: 0.285 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion: 93 Resp: 1766

Ion	Ratio	Lower	Upper
93	100		
63	268.5	215.6	323.4
95	34.2	26.2	39.2



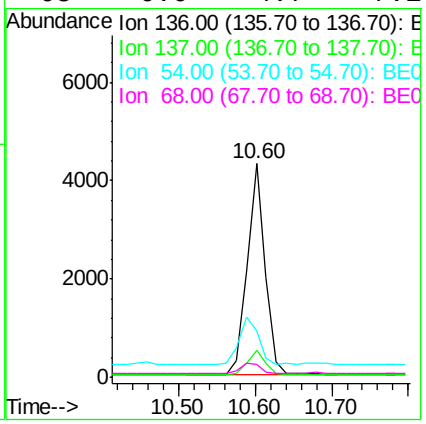


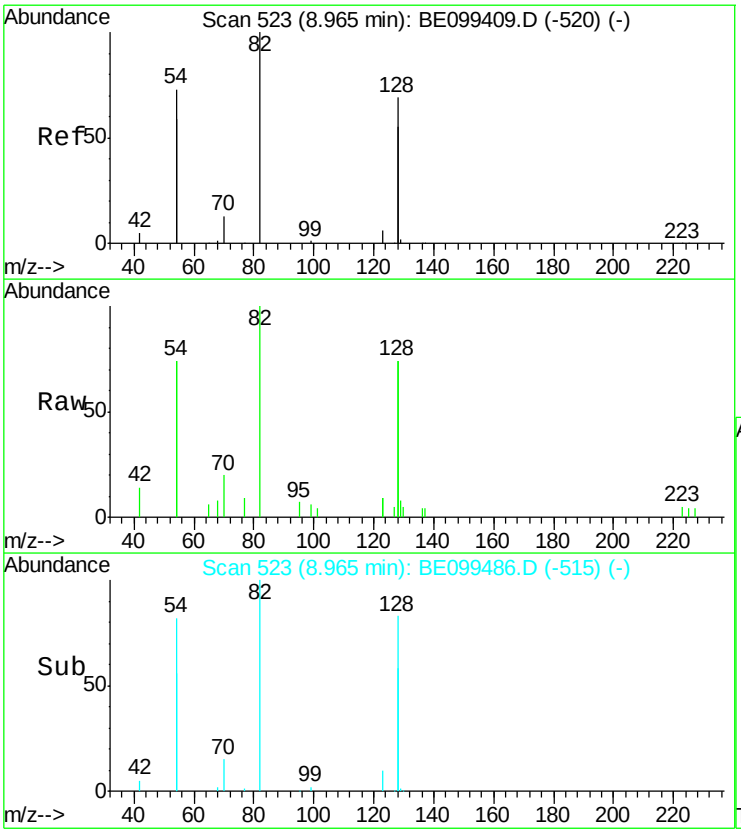
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:136 Resp: 7088

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.8	14.8
54	21.6	18.5	27.7
68	6.0	4.7	7.1

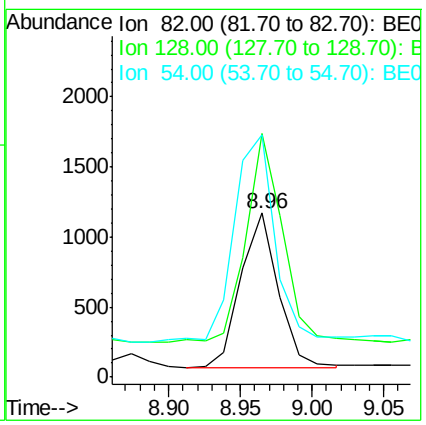


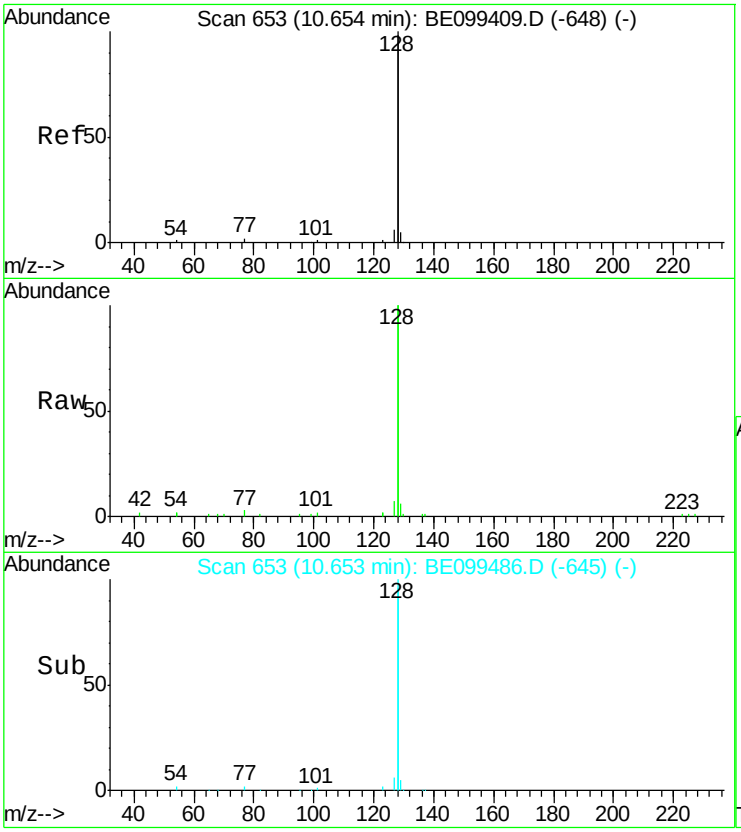


#8
Nitrobenzene-d5
Concen: 0.302 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion: 82 Resp: 2006

Ion	Ratio	Lower	Upper
82	100		
128	148.8	107.0	160.4
54	148.1	113.1	169.7



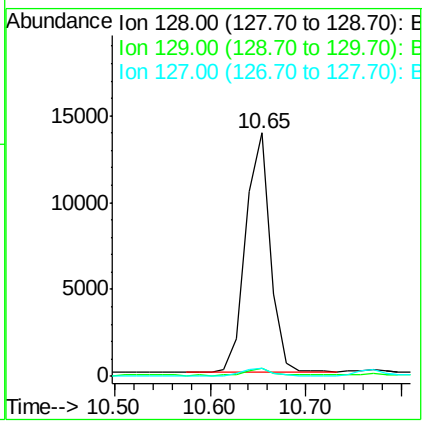


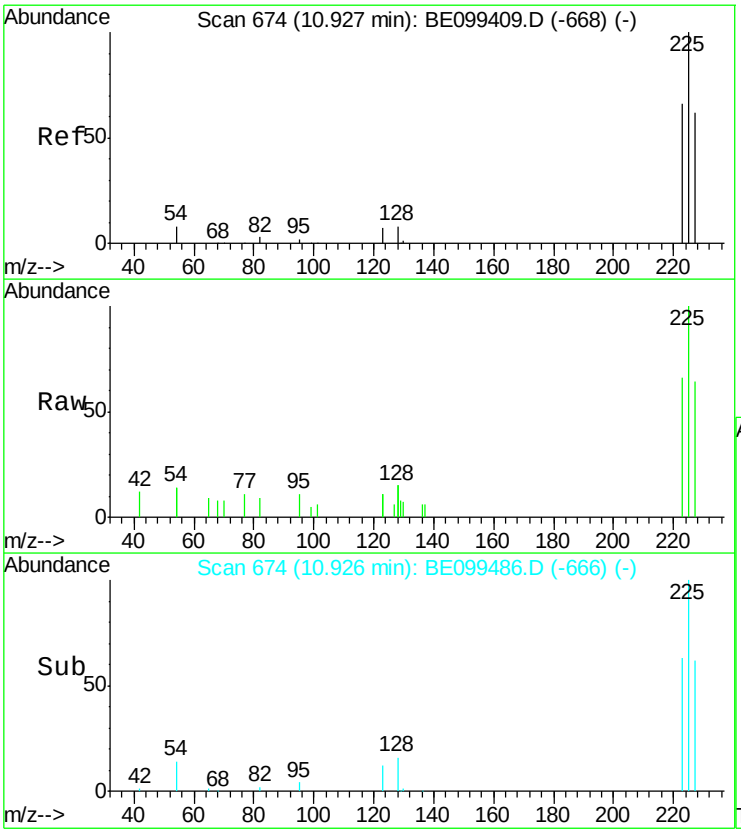
#9
Naphthalene
Concen: 0.315 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:128 Resp: 24362

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.4	3.6
127	3.5	2.8	4.2

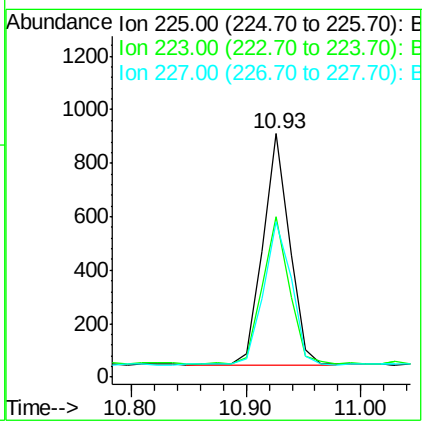


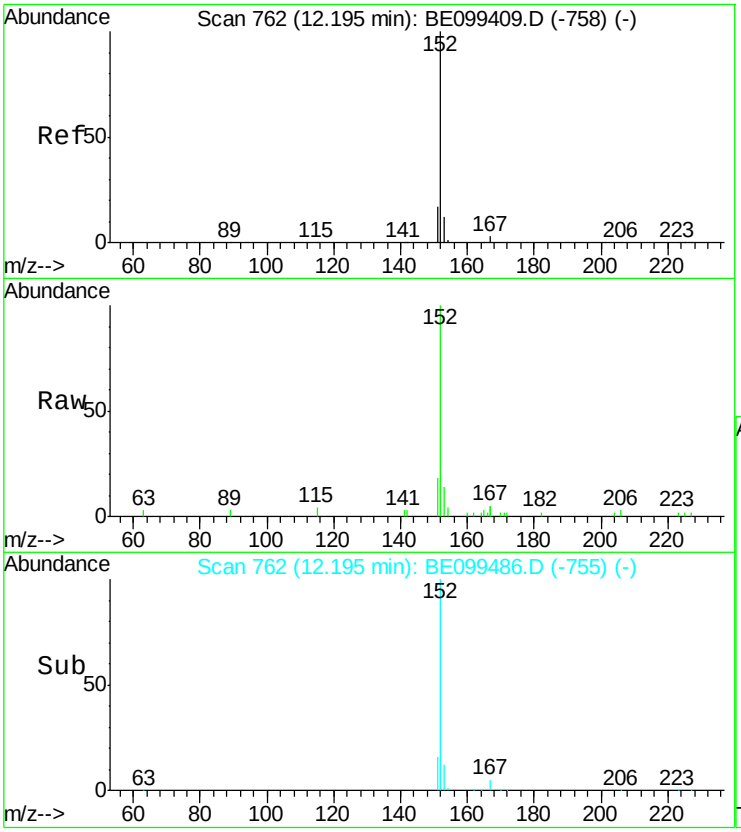


#10
Hexachlorobutadiene
Concen: 0.264 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:225 Resp: 1416

Ion	Ratio	Lower	Upper
225	100		
223	62.5	51.0	76.6
227	64.8	50.9	76.3



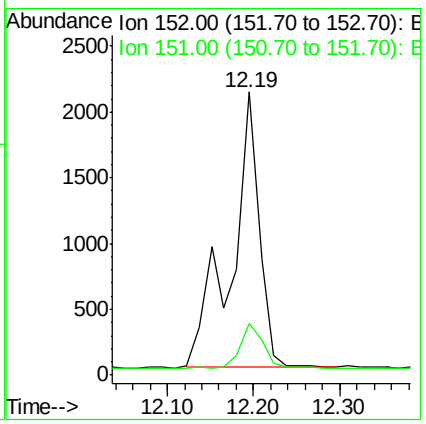


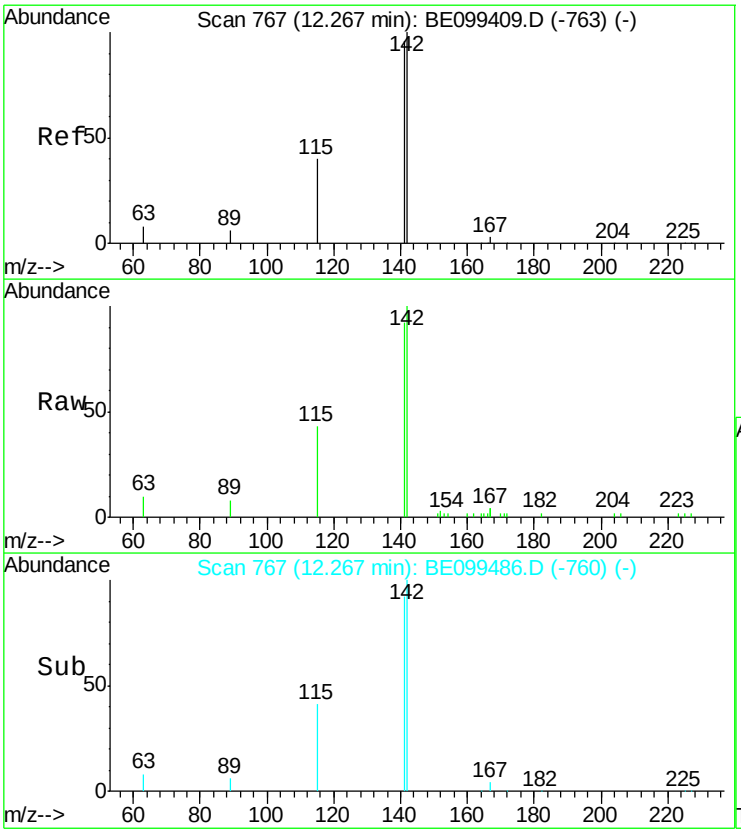
#11
2-Methylnaphthalene-d10
Concen: 0.367 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:152 Resp: 4683

Ion	Ratio	Lower	Upper
152	100		
151	14.2	15.5	23.3#

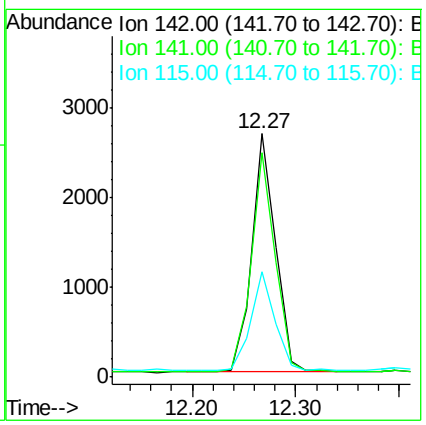


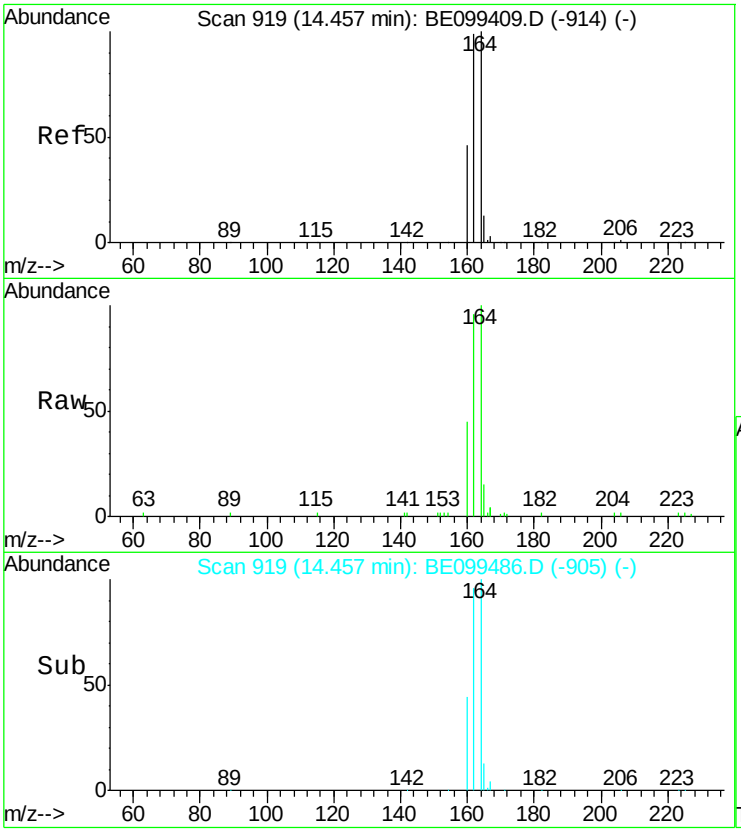


#12
2-Methylnaphthalene
Concen: 0.319 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:142 Resp: 4286

Ion	Ratio	Lower	Upper
142	100		
141	92.3	77.0	115.4
115	43.5	33.4	50.0



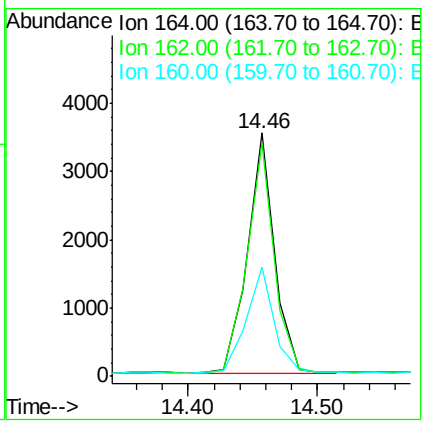


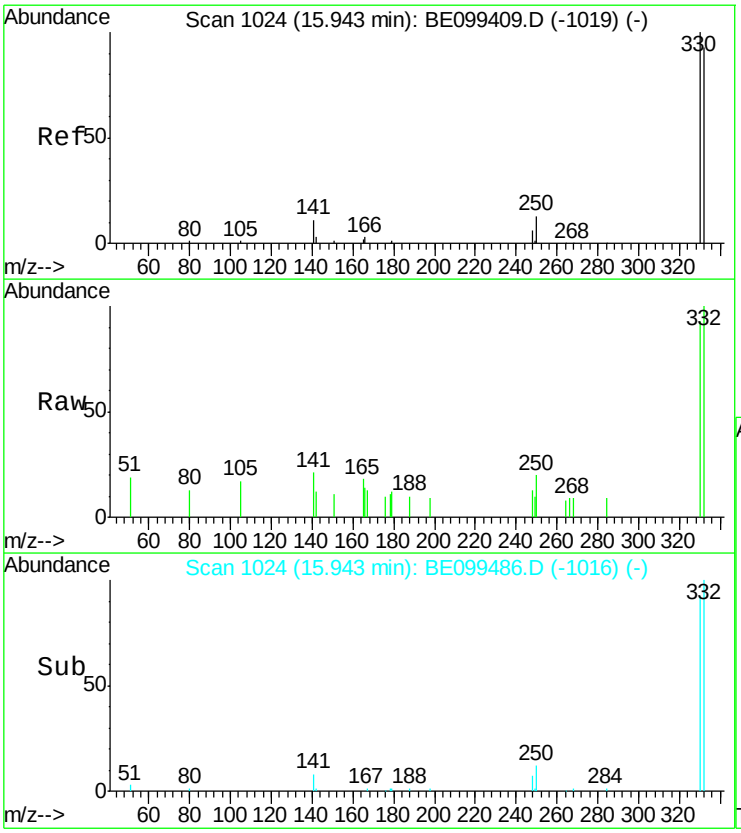
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:164 Resp: 5068

Ion	Ratio	Lower	Upper
164	100		
162	96.1	79.0	118.4
160	44.9	37.0	55.4

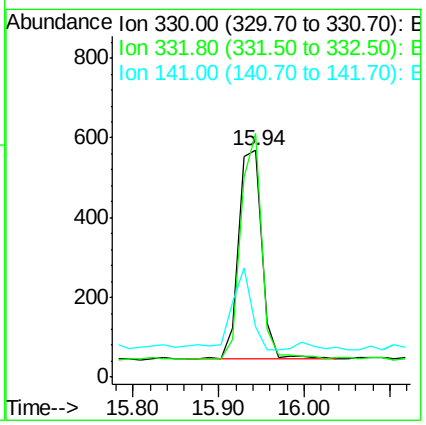


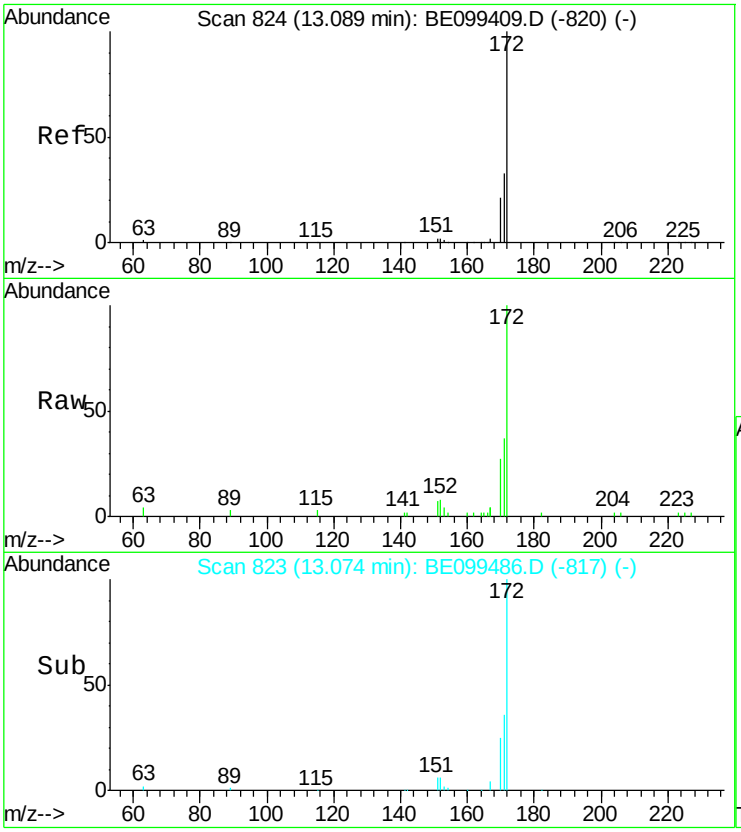


#14
2,4,6-Tribromophenol
Concen: 0.312 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:330 Resp: 996

Ion	Ratio	Lower	Upper
330	100		
332	96.0	71.5	107.3
141	33.5	24.0	36.0



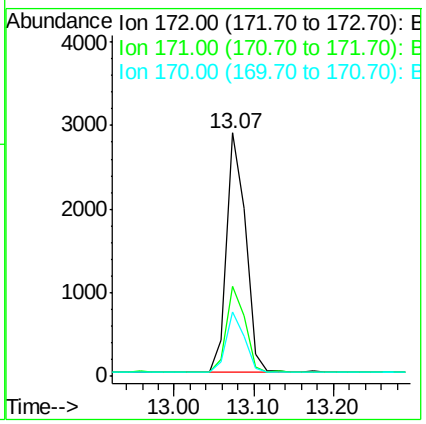


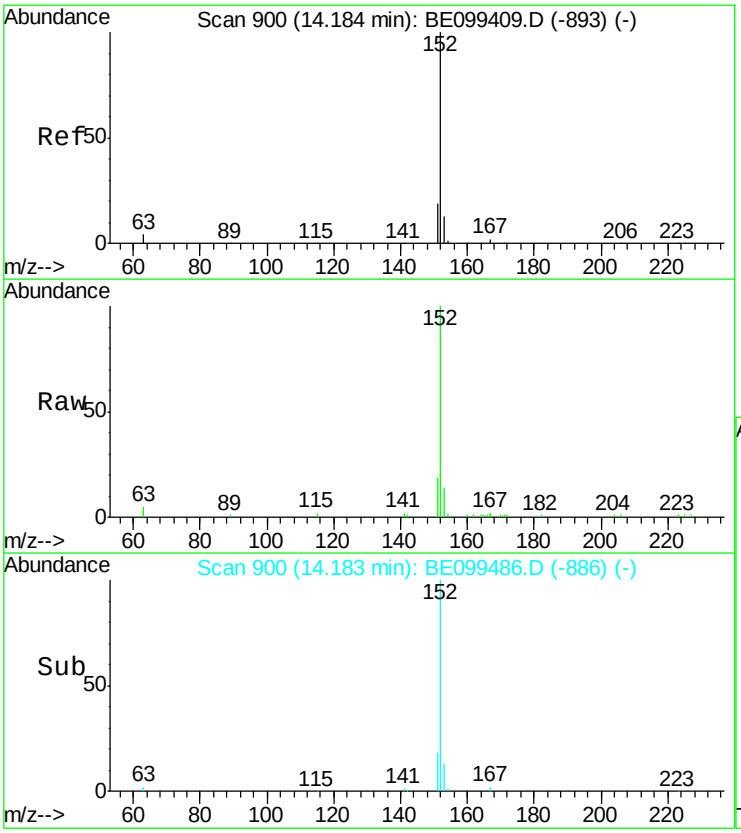
#15
2-Fluorobiphenyl
Concen: 0.247 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:172 Resp: 4773

Ion	Ratio	Lower	Upper
172	100		
171	37.2	26.6	39.8
170	26.7	17.0	25.6#

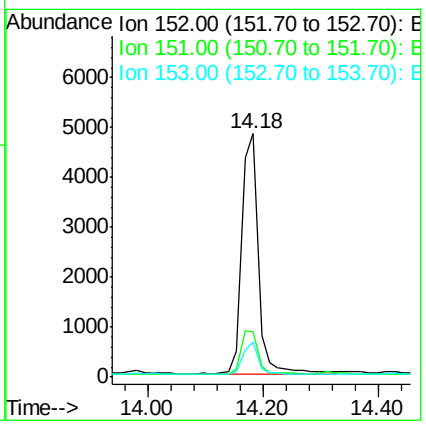


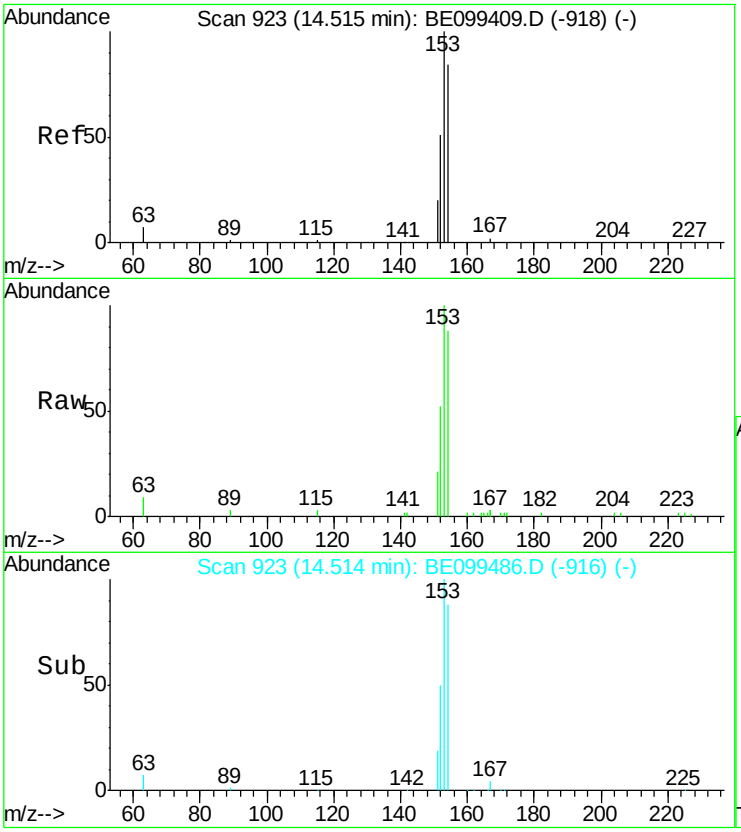


#16
Acenaphthylene
Concen: 0.392 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:152 Resp: 9717

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.4	23.2
153	12.4	9.8	14.6



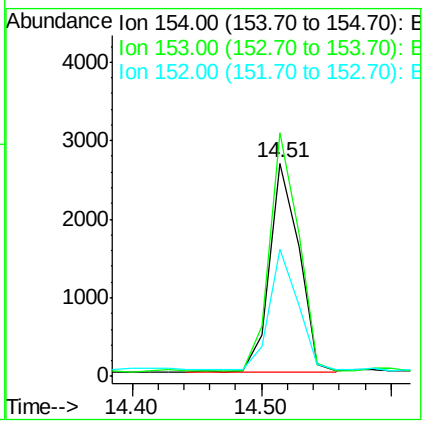


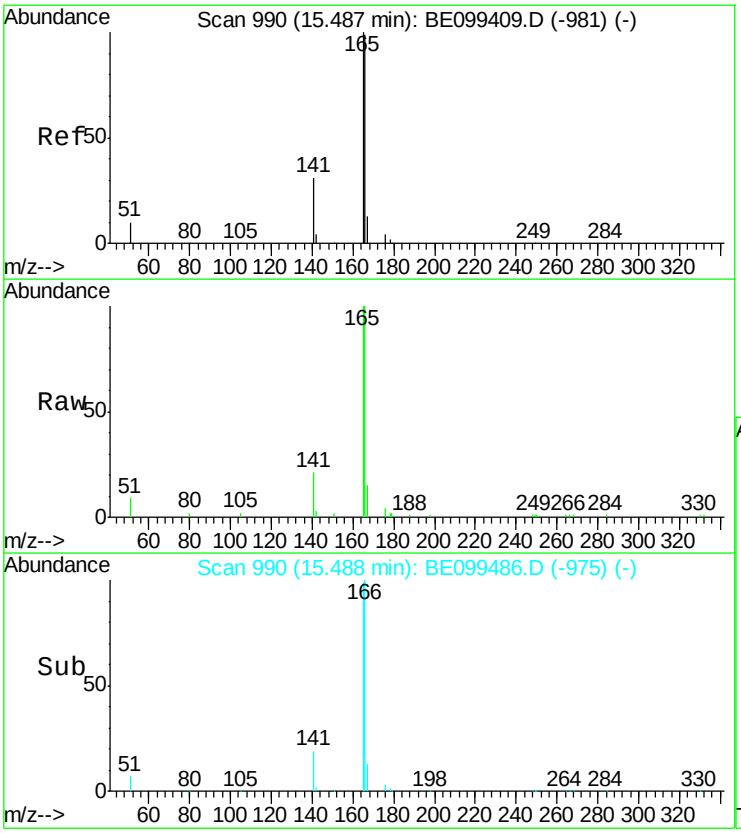
#17
Acenaphthene
Concen: 0.295 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:154 Resp: 4176

Ion	Ratio	Lower	Upper
154	100		
153	113.4	92.6	138.8
152	56.9	45.8	68.8

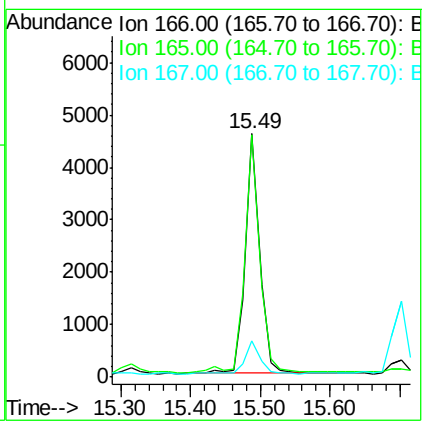


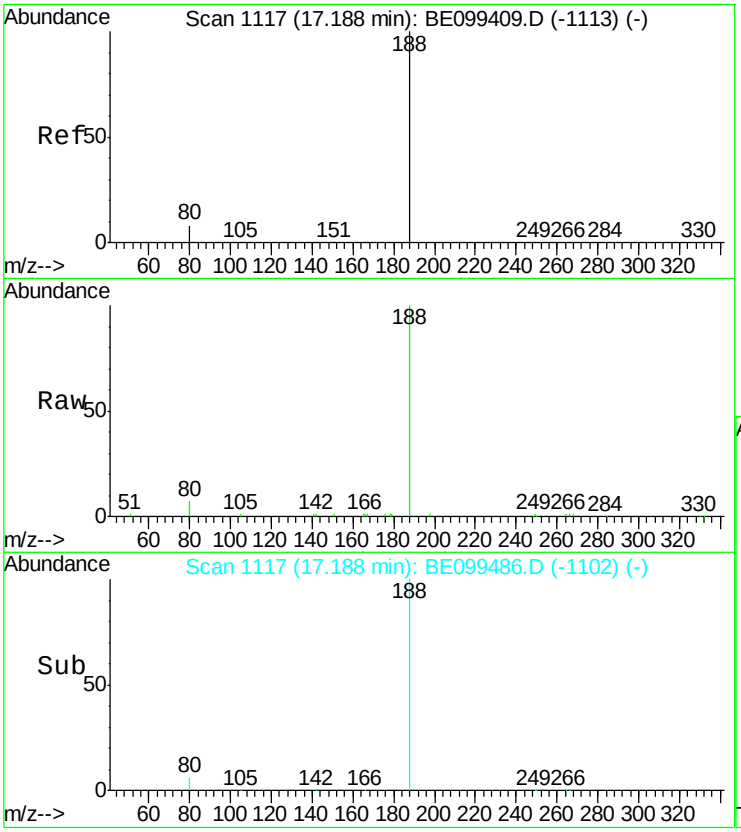


#18
Fluorene
Concen: 0.315 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:166 Resp: 6578

Ion	Ratio	Lower	Upper
166	100		
165	102.4	80.3	120.5
167	13.9	10.7	16.1



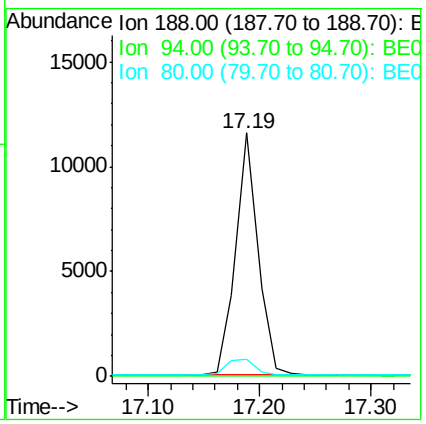


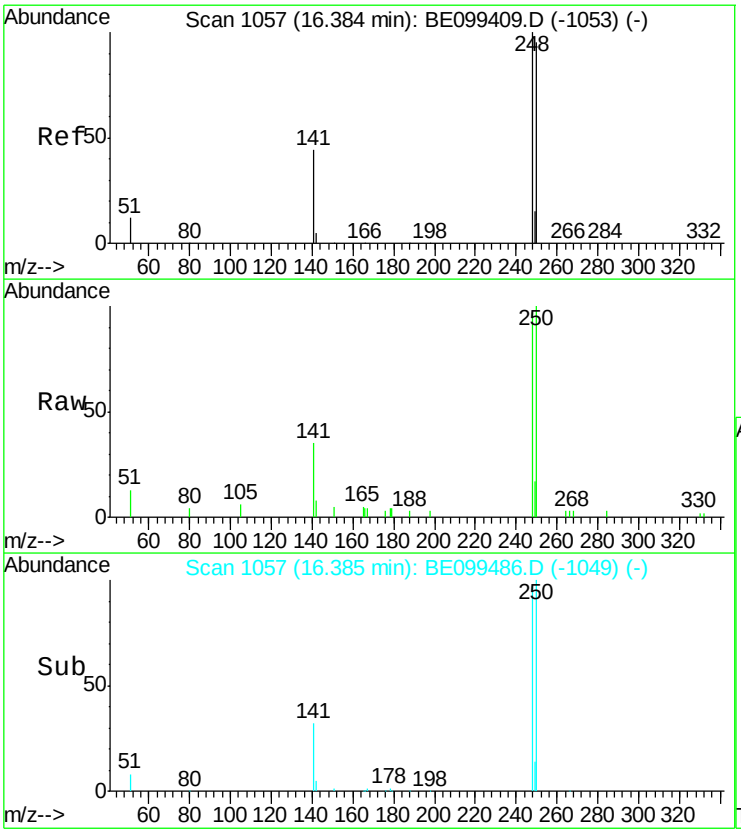
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:188 Resp: 16156

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.0	6.7	10.1

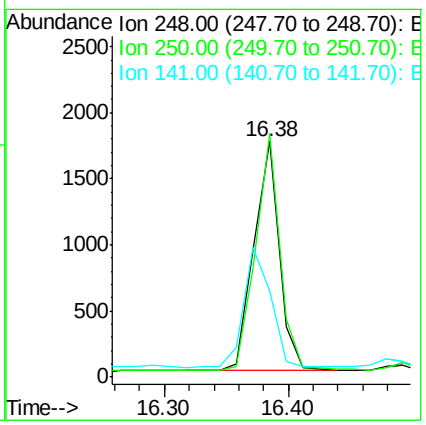


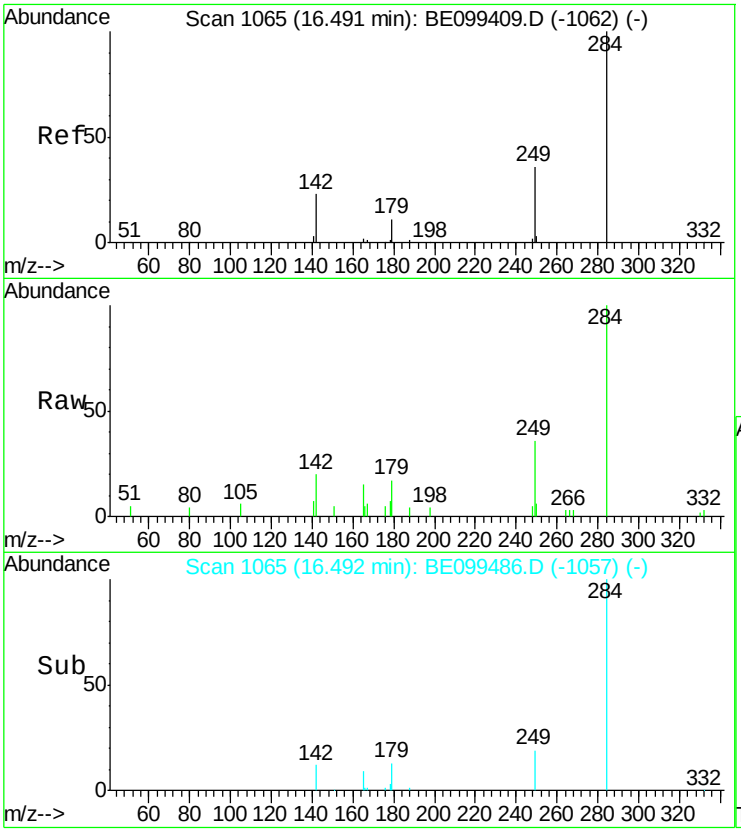


#20
4-Bromophenyl-phenylether
Concen: 0.262 ng
RT: 16.38 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:248 Resp: 2463

Ion	Ratio	Lower	Upper
248	100		
250	103.3	75.8	113.8
141	36.5	35.7	53.5



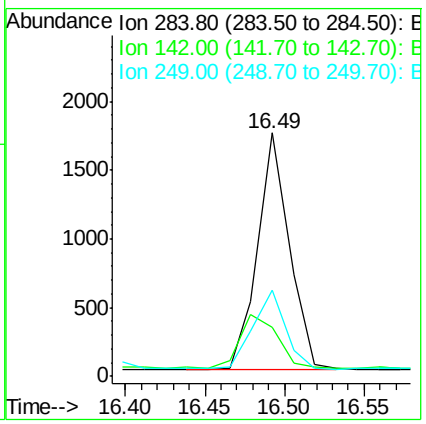


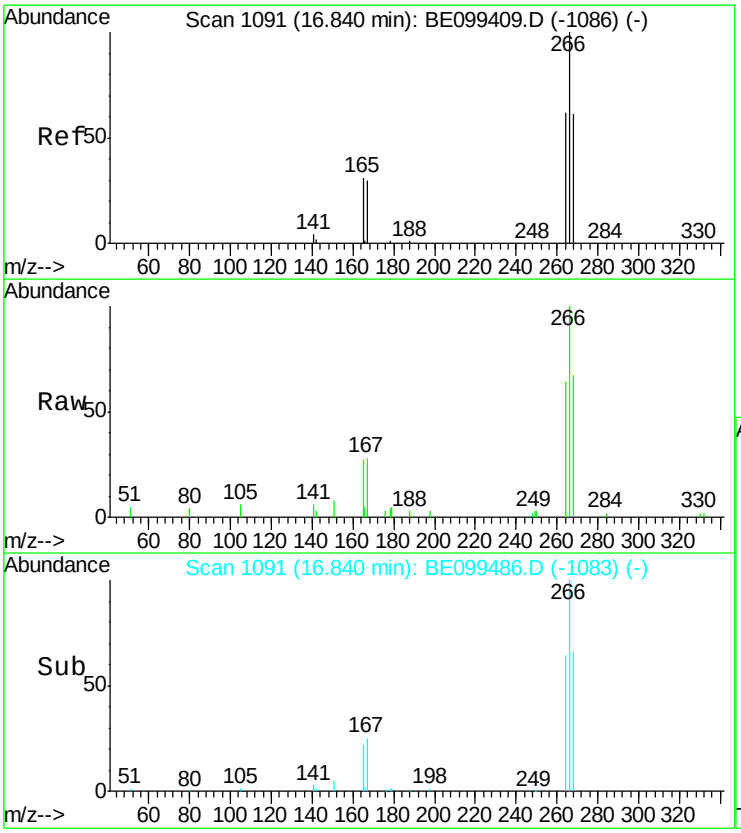
#21
Hexachlorobenzene
Concen: 0.266 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:284 Resp: 2385

Ion	Ratio	Lower	Upper
284	100		
142	26.9	21.0	31.6
249	34.3	26.7	40.1

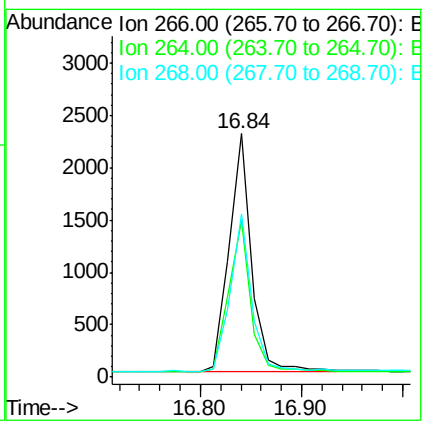


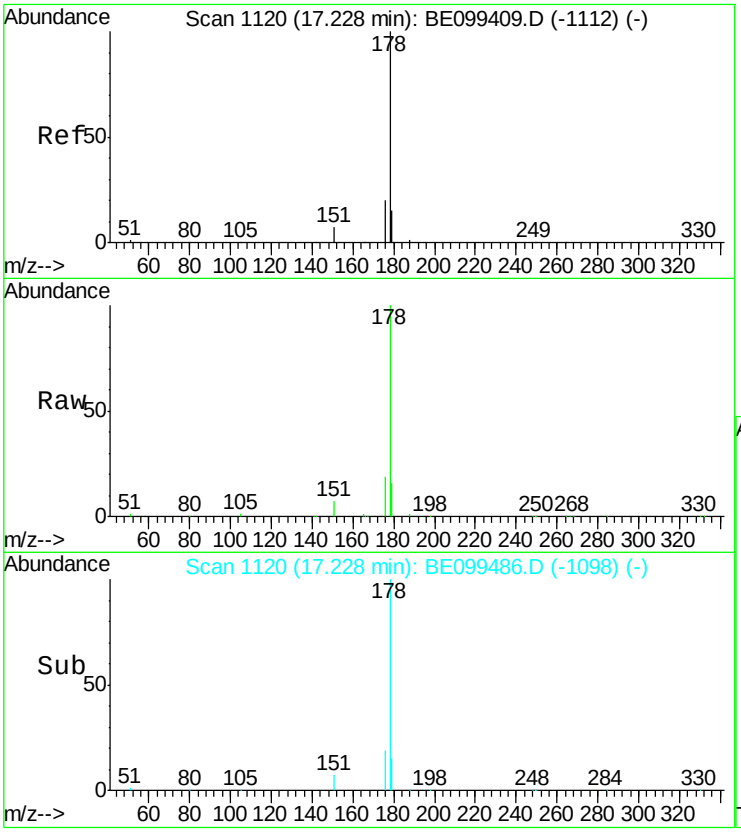


#22
Pentachlorophenol
Concen: 0.865 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:266 Resp: 3500

Ion	Ratio	Lower	Upper
266	100		
264	64.1	50.8	76.2
268	66.7	50.5	75.7



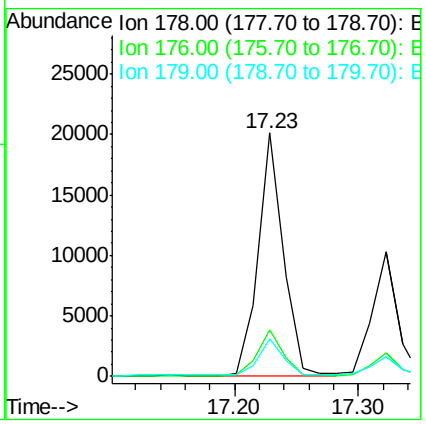


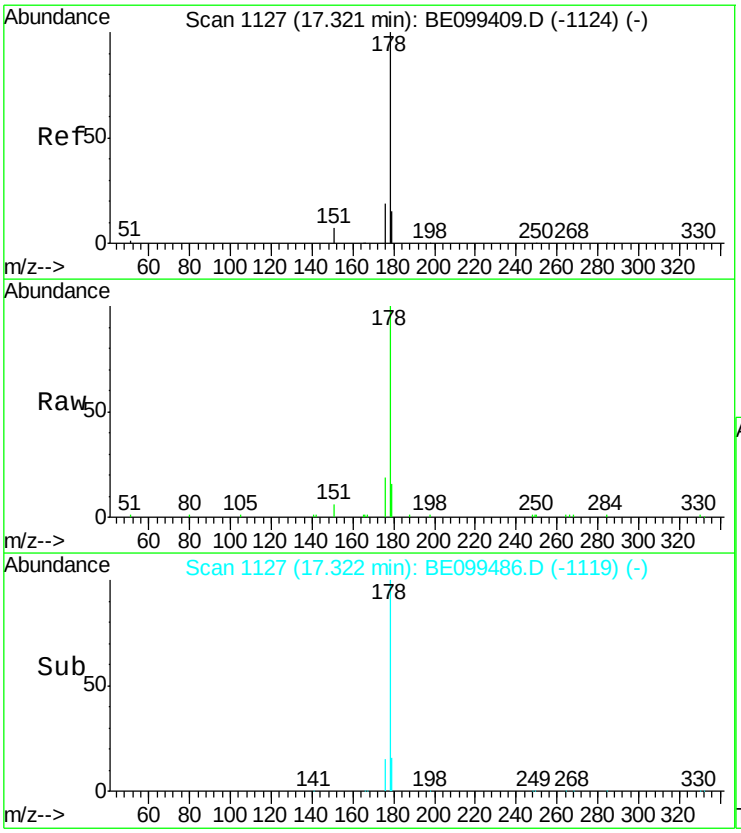
#23
Phenanthrene
Concen: 0.676 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:178 Resp: 28174

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.2	12.0	18.0

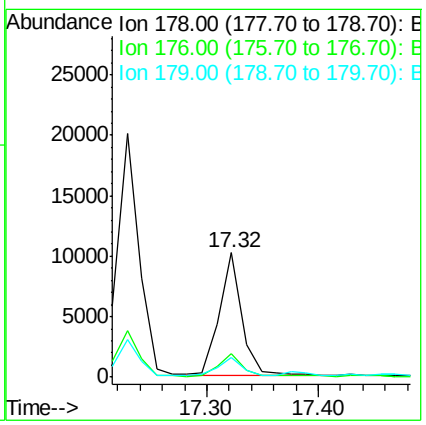


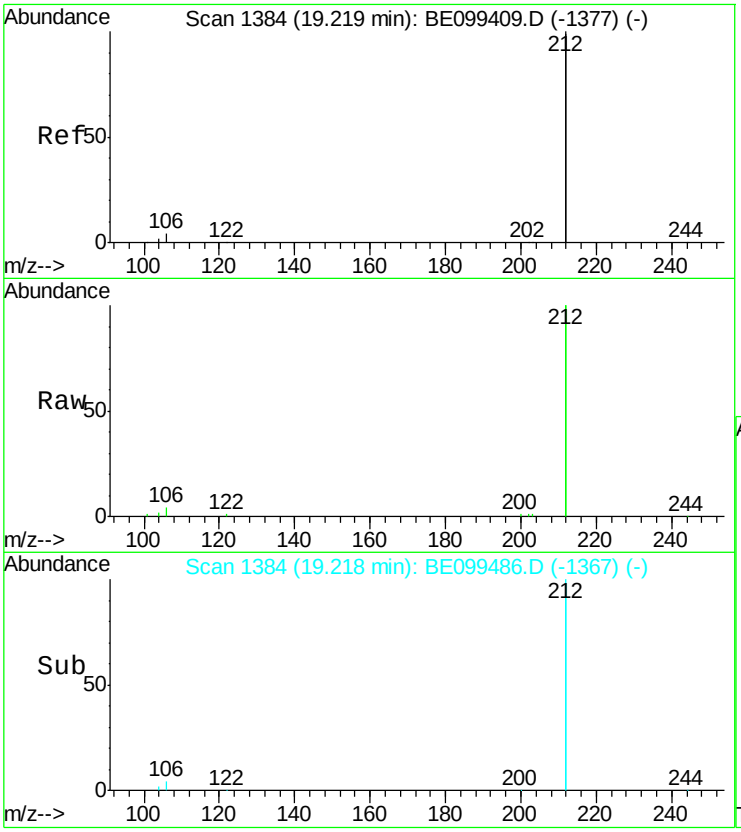


#24
Anthracene
Concen: 0.358 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:178 Resp: 14224

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.9	22.3
179	15.9	11.9	17.9



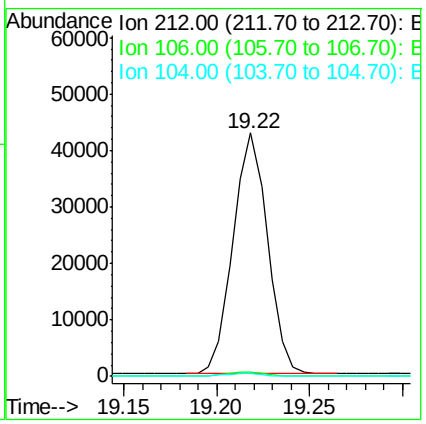


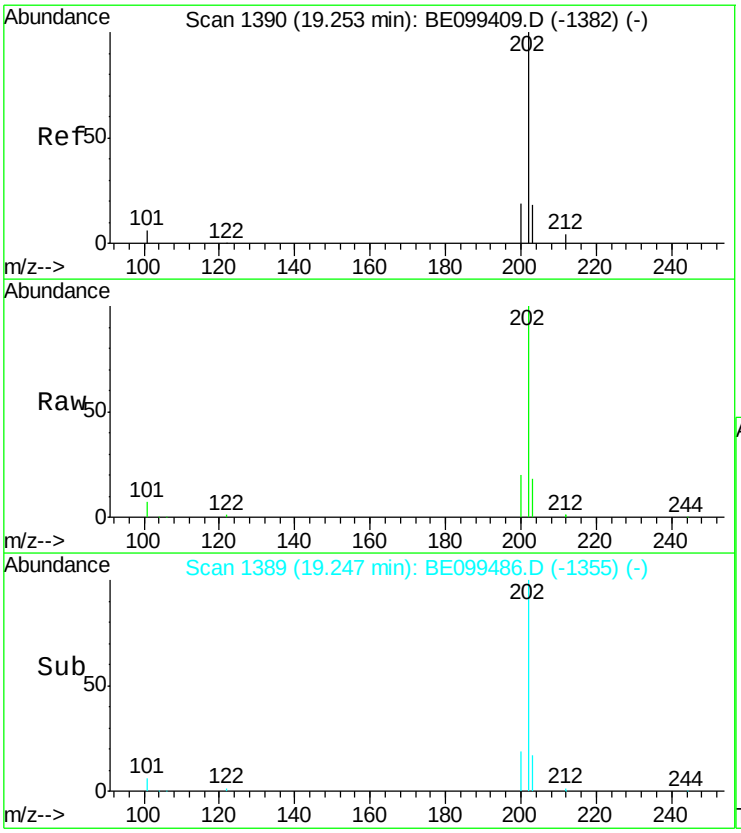
#25
Fluoranthene-d10
Concen: 0.254 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:212 Resp: 55345

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3

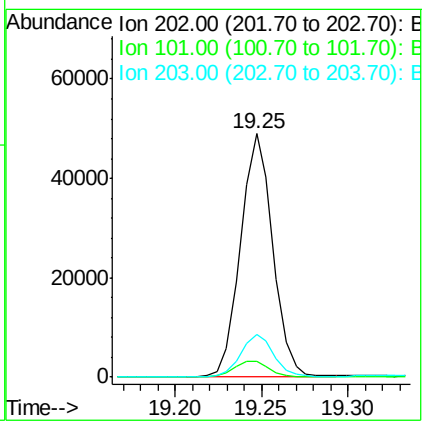


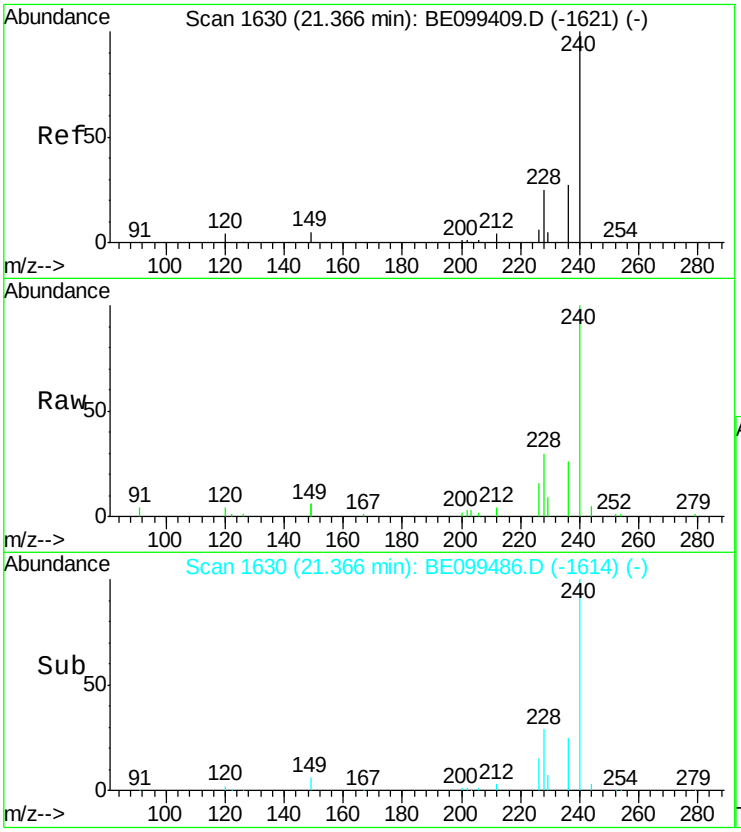


#26
Fluoranthene
Concen: 1.010 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:202 Resp: 63093

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.4	8.0
203	17.5	13.9	20.9



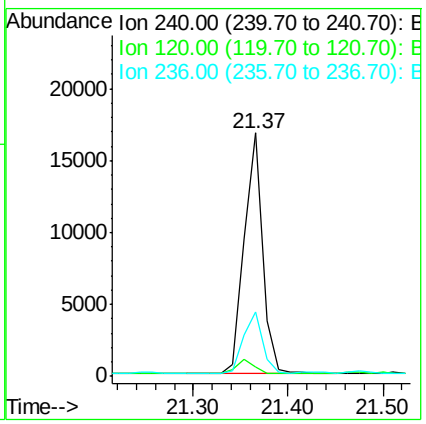


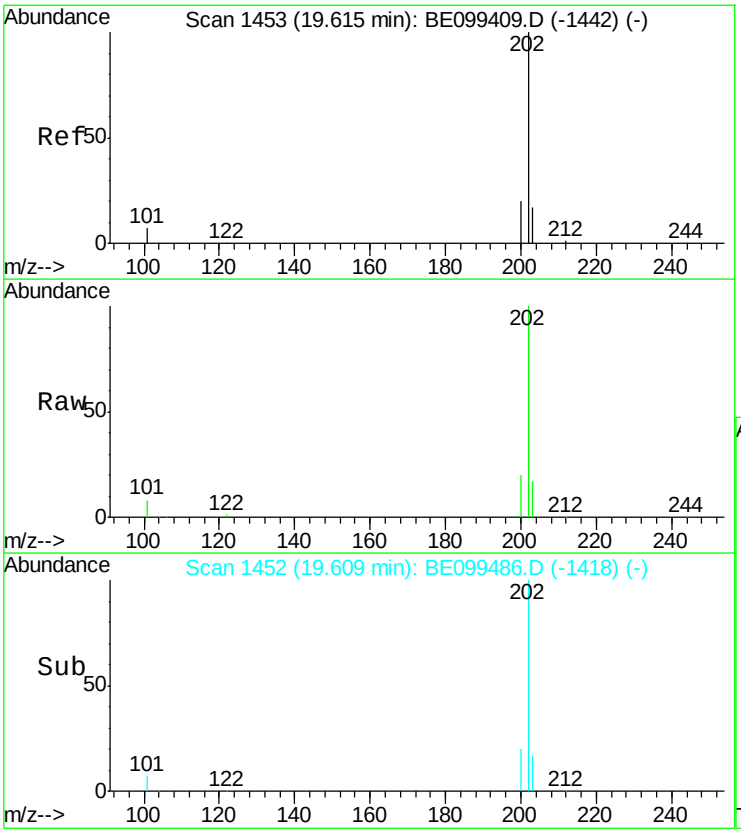
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:240 Resp: 22598

Ion	Ratio	Lower	Upper
240	100		
120	3.6	4.0	6.0#
236	26.3	22.0	33.0

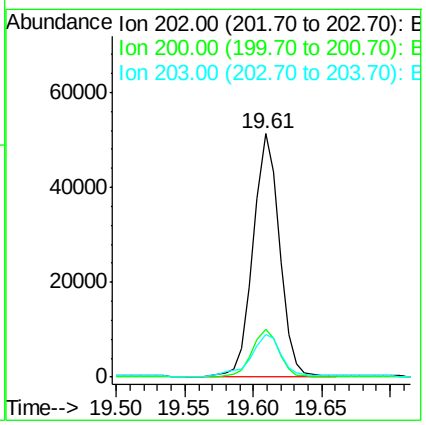


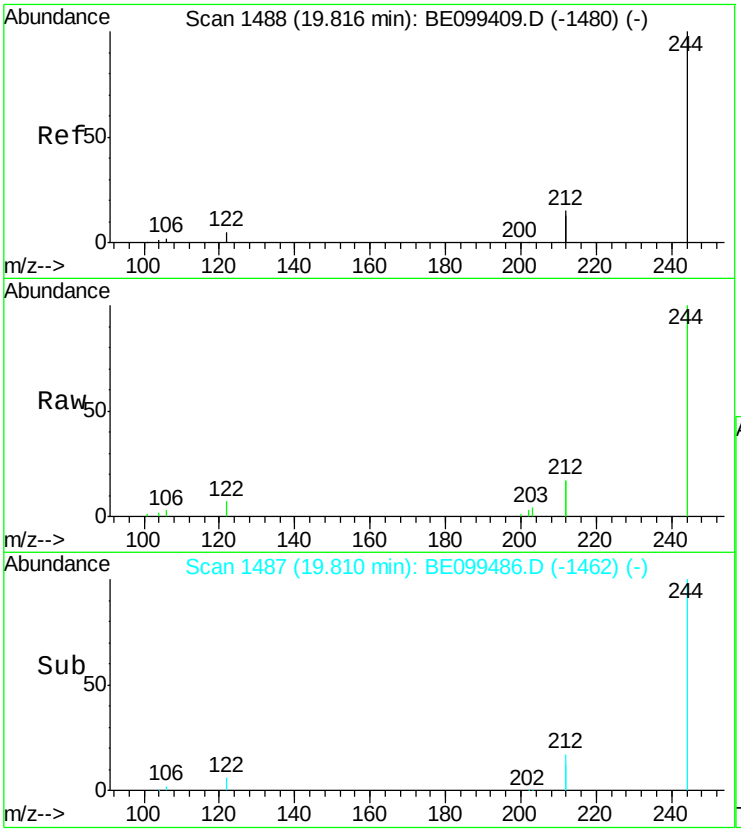


#28
Pyrene
Concen: 1.147 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:202 Resp: 67539

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



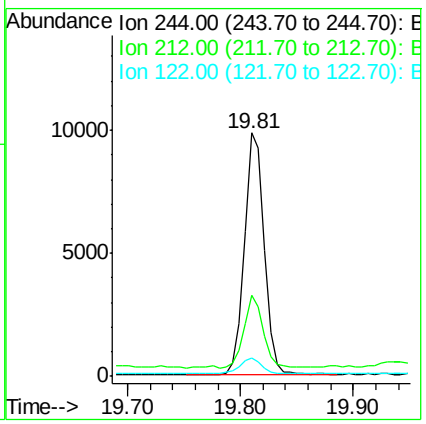


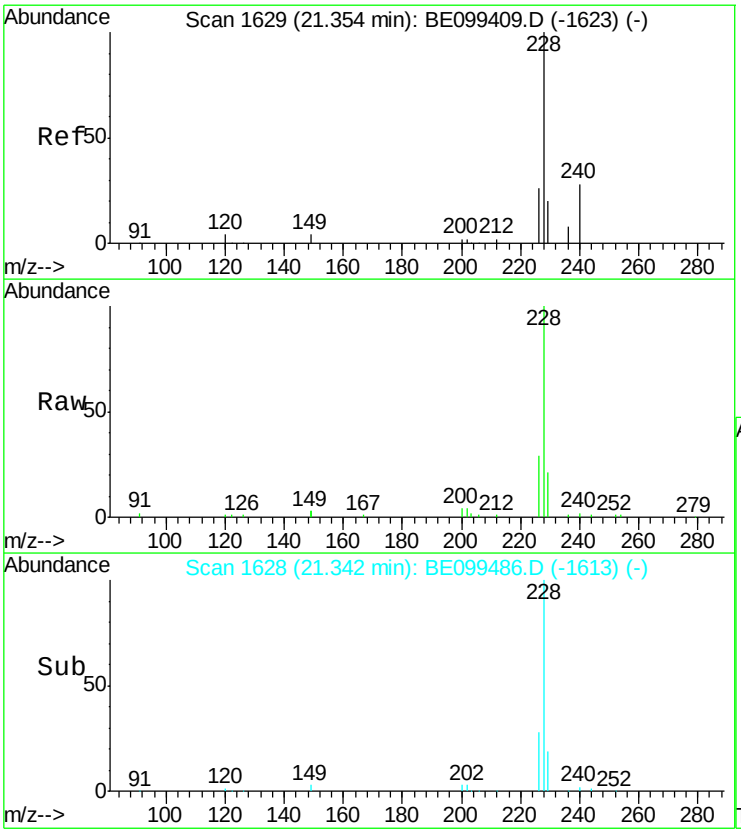
#29
Terphenyl-d14
Concen: 0.291 ng
RT: 19.81 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:244 Resp: 12056

Ion	Ratio	Lower	Upper
244	100		
212	33.3	23.2	34.8
122	7.3	4.2	6.4#

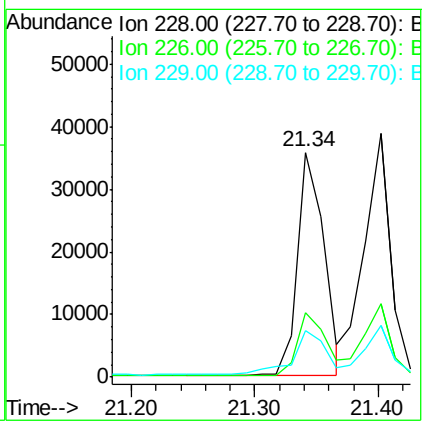


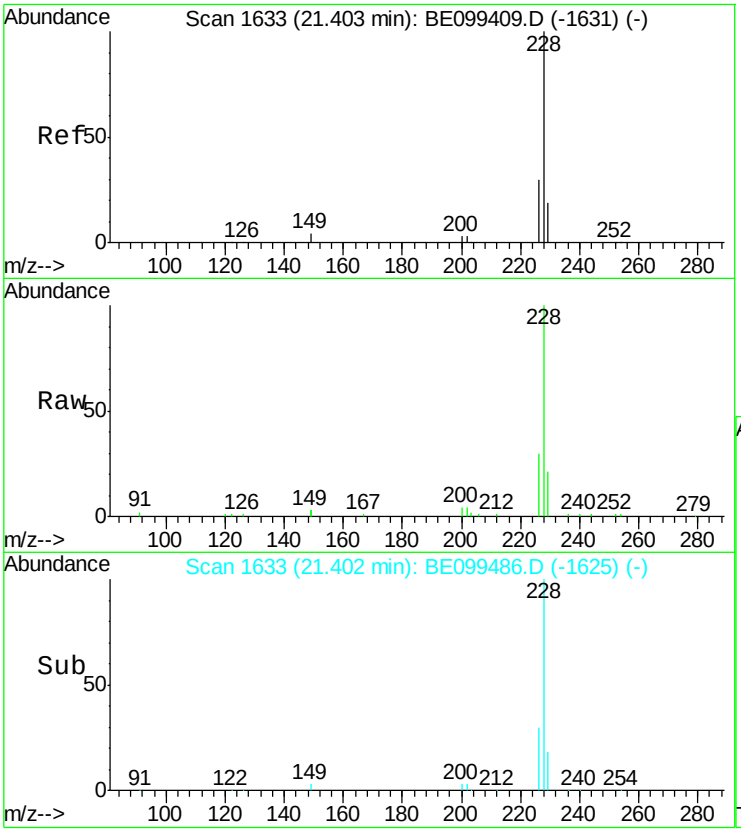


#30
Benzo(a)anthracene
Concen: 0.738 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:228 Resp: 53145

Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.0	31.6
229	20.8	16.6	25.0



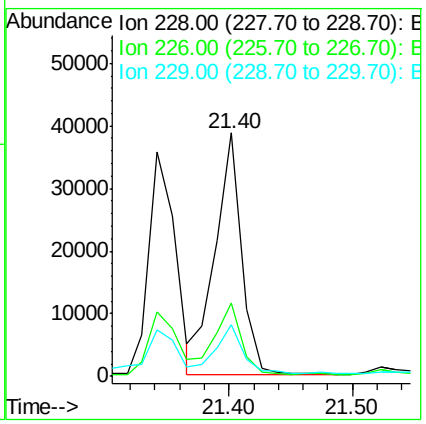


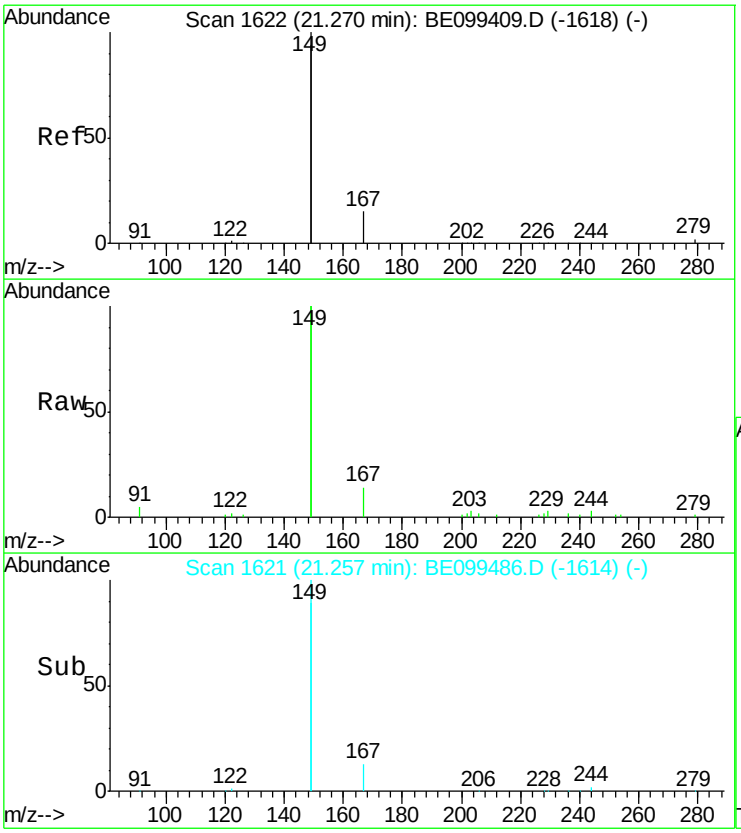
#31
Chrysene
Concen: 0.817 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:228 Resp: 57567

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	21.4	15.8	23.8

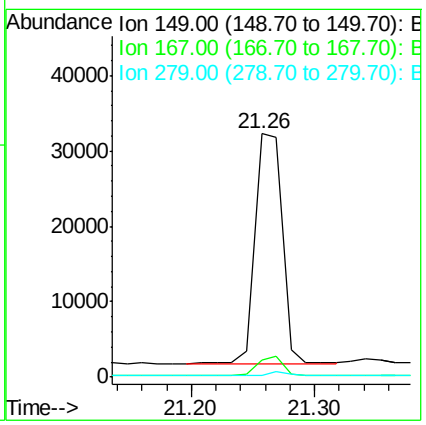


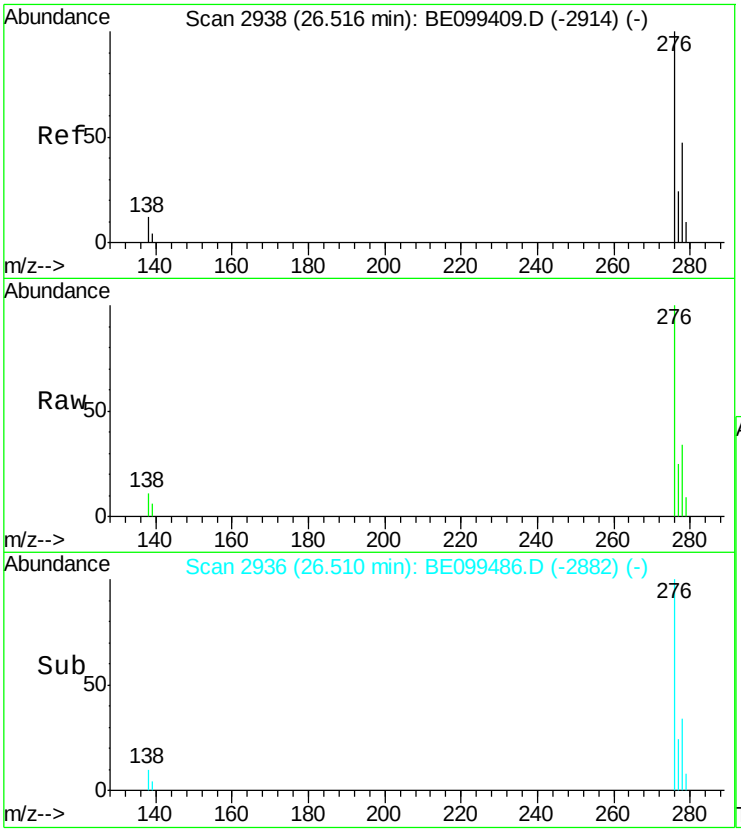


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.391 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:149 Resp: 47023

Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.8	8.6
279	1.4	1.0	1.6



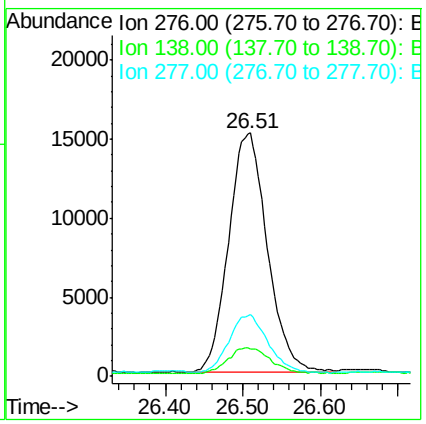


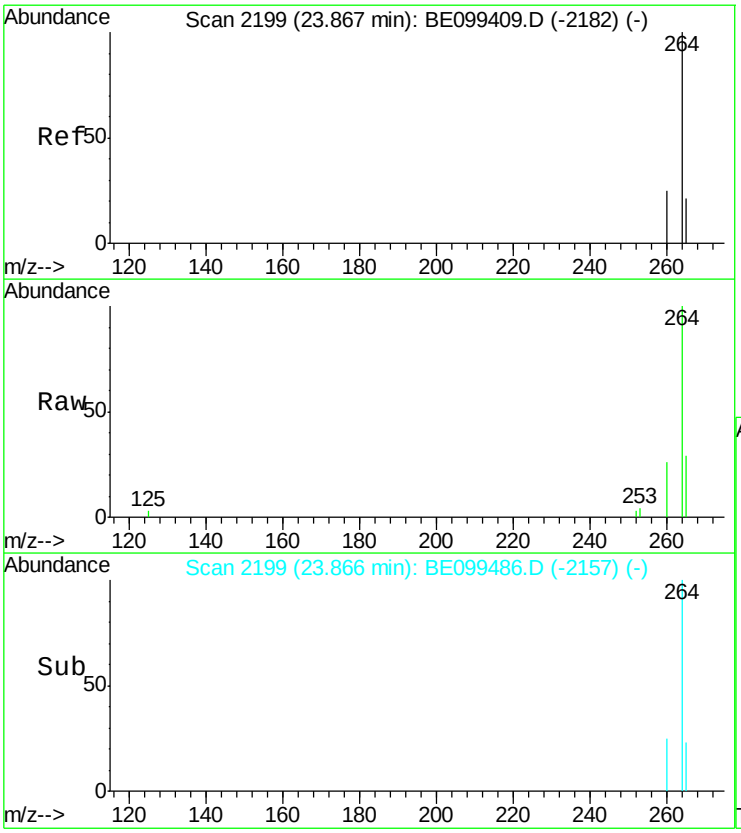
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.629 ng
RT: 26.51 min Scan# 2936
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:276 Resp: 52406

Ion	Ratio	Lower	Upper
276	100		
138	11.4	10.2	15.2
277	24.4	19.2	28.8

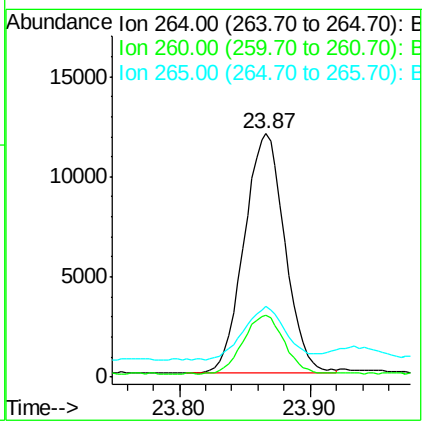


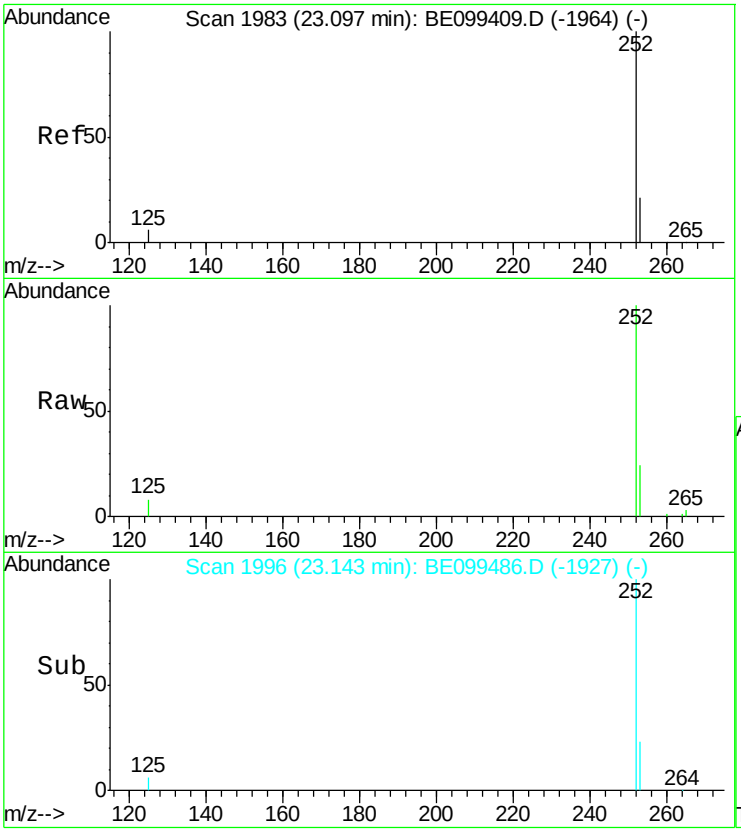


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:264 Resp: 25965

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.2	30.2
265	29.1	21.3	31.9



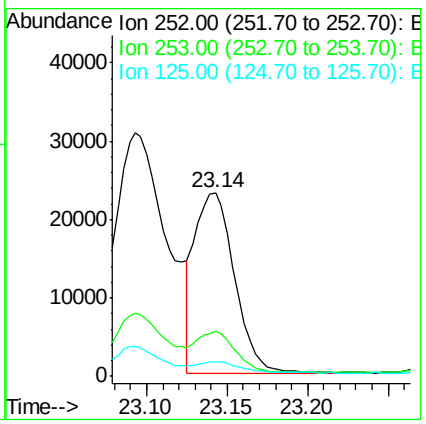


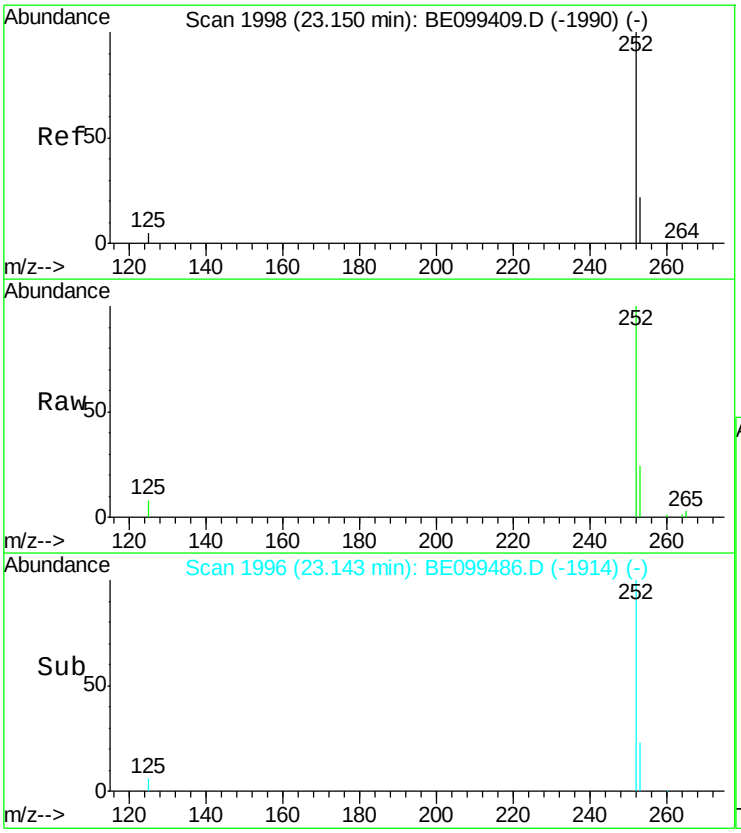
#35
Benzo(b)fluoranthene
Concen: 0.522 ng
RT: 23.14 min Scan# 1996
Delta R.T. 0.05 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:252 Resp: 39088

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	7.8	5.6	8.4

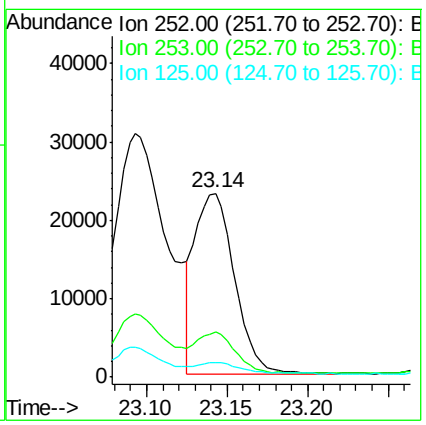


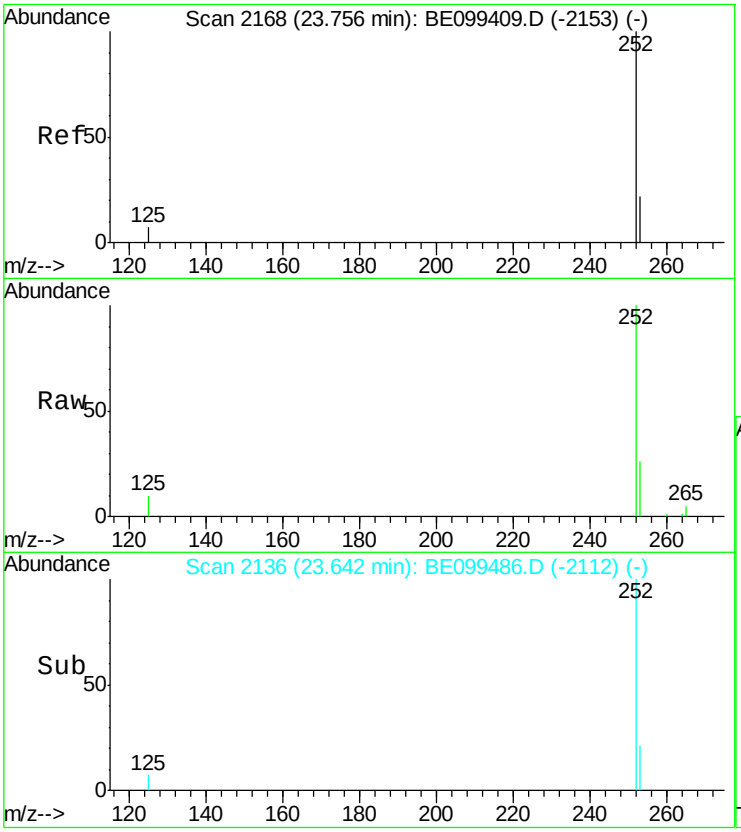


#36
Benzo(k)fluoranthene
Concen: 0.541 ng
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:252 Resp: 39088

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.4	27.6
125	7.8	5.0	7.4#



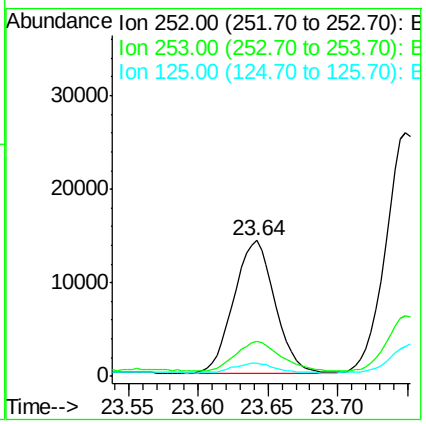


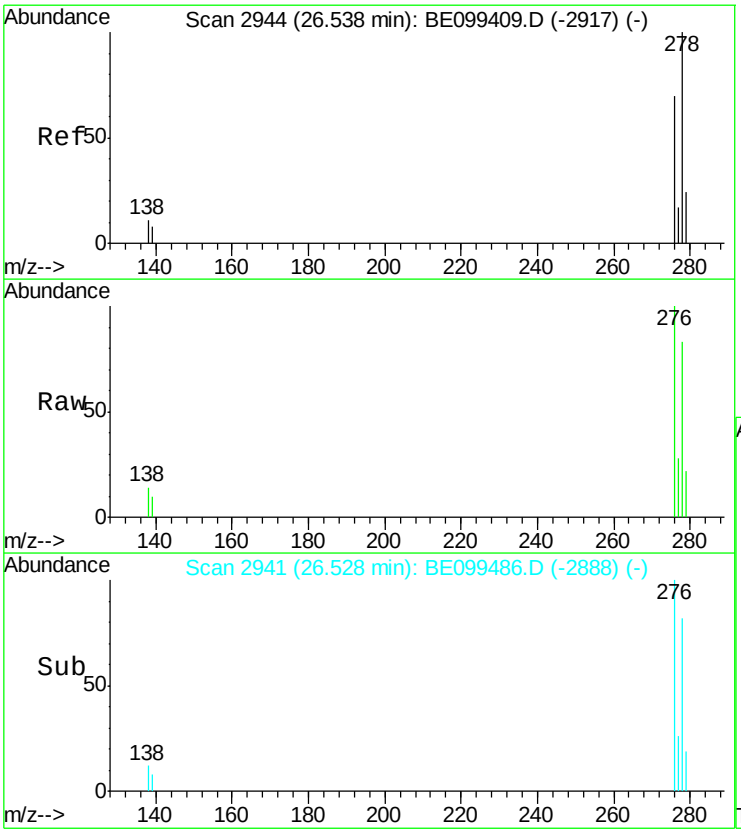
#37
Benzo(a)pyrene
Concen: 0.411 ng
RT: 23.64 min Scan# 2136
Delta R.T. -0.11 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:252 Resp: 29092

Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.9	28.3
125	9.6	6.7	10.1

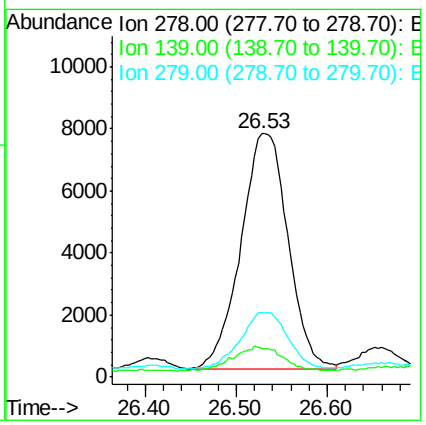


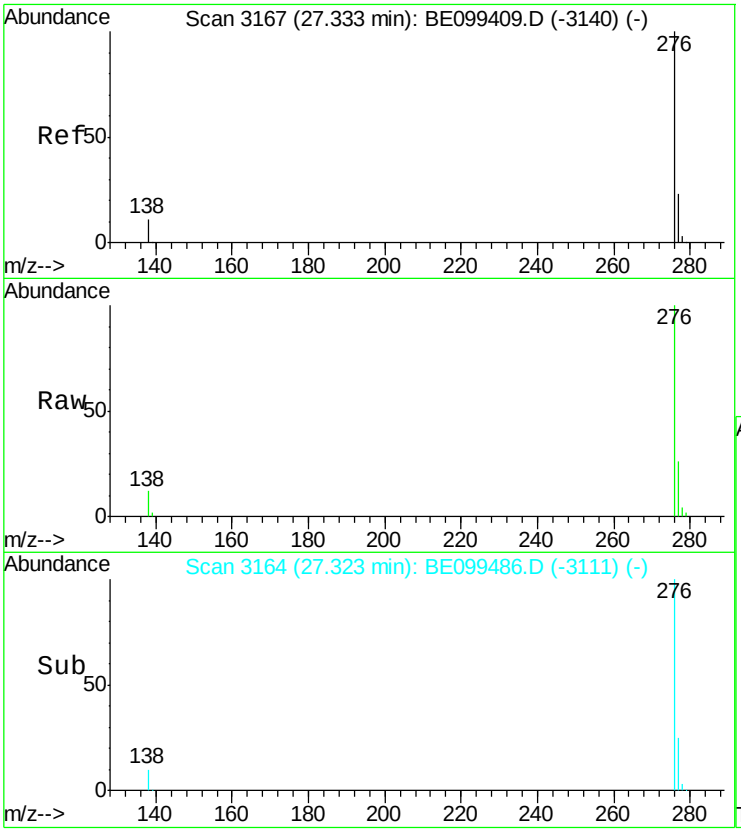


#38
Dibenzo(a,h)anthracene
Concen: 0.379 ng
RT: 26.53 min Scan# 2941
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

Tgt Ion:278 Resp: 27419

Ion	Ratio	Lower	Upper
278	100		
139	11.7	7.7	11.5#
279	26.4	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.660 ng
RT: 27.32 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BE099486.D
Acq: 2 May 2019 5:11

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

Tgt Ion:276 Resp: 47861

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.5	29.3
138	11.7	9.6	14.4