Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050219\
Data File : BE099512.D
Acq On : 3 May 2019 3:09
Operator : JU/SJ
Sample : K2587-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PST-004-B166-042319

Quant Time: May 03 07:50:07 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	2248	0.40	ng		-0.01
7) Naphthalene-d8	10.60	136	8054	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	6589	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	20549	0.40	ng		0.00
27) Chrysene-d12	21.37	240	25897	0.40	ng		0.00
34) Perylene-d12	23.87	264	29982	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	2592	0.42	ng		0.00
5) Phenol-d6	6.96	99	3637	0.44	ng		-0.01
8) Nitrobenzene-d5	8.96	82	2831	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	5650	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	1826	0.44	ng		0.00
15) 2-Fluorobiphenyl	13.07	172	8472	0.34	ng		-0.02
25) Fluoranthene-d10	19.22	212	93374	0.34	ng		0.00
29) Terphenyl-d14	19.82	244	18596	0.39	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.65	128	2982	0.034	ng	#	92
12) 2-Methylnaphthalene	12.27	142	436	0.029	ng	#	93
16) Acenaphthylene	14.18	152	1849	0.057	ng	#	94
18) Fluorene	15.49	166	612	0.023	ng	#	81
22) Pentachlorophenol	16.84	266	198	0.245	ng	#	85
23) Phenanthrene	17.23	178	21447	0.404	ng		99
24) Anthracene	17.32	178	2225	0.044	ng	#	92
26) Fluoranthene	19.25	202	59332	0.747	ng		100
28) Pyrene	19.61	202	57185	0.847	ng		97
30) Benzo(a)anthracene	21.35	228	32723	0.397	ng		94
31) Chrysene	21.40	228	42641	0.528	ng		98
32) Bis(2-ethylhexyl)phthalate	21.27	149	26326	0.154	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.51	276	28528	0.299	ng		98
35) Benzo(b)fluoranthene	23.10	252	55404	0.641	ng	#	93
36) Benzo(k)fluoranthene	23.10	252	55404	0.665	ng	#	94
37) Benzo(a)pyrene	23.65	252	27541	0.337	ng		99
38) Dibenzo(a,h)anthracene	26.53	278	7169	0.086	ng	#	80
39) Benzo(g,h,i)perylene	27.34	276	28216	0.337	ng		98

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

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PST-004-B166-042319

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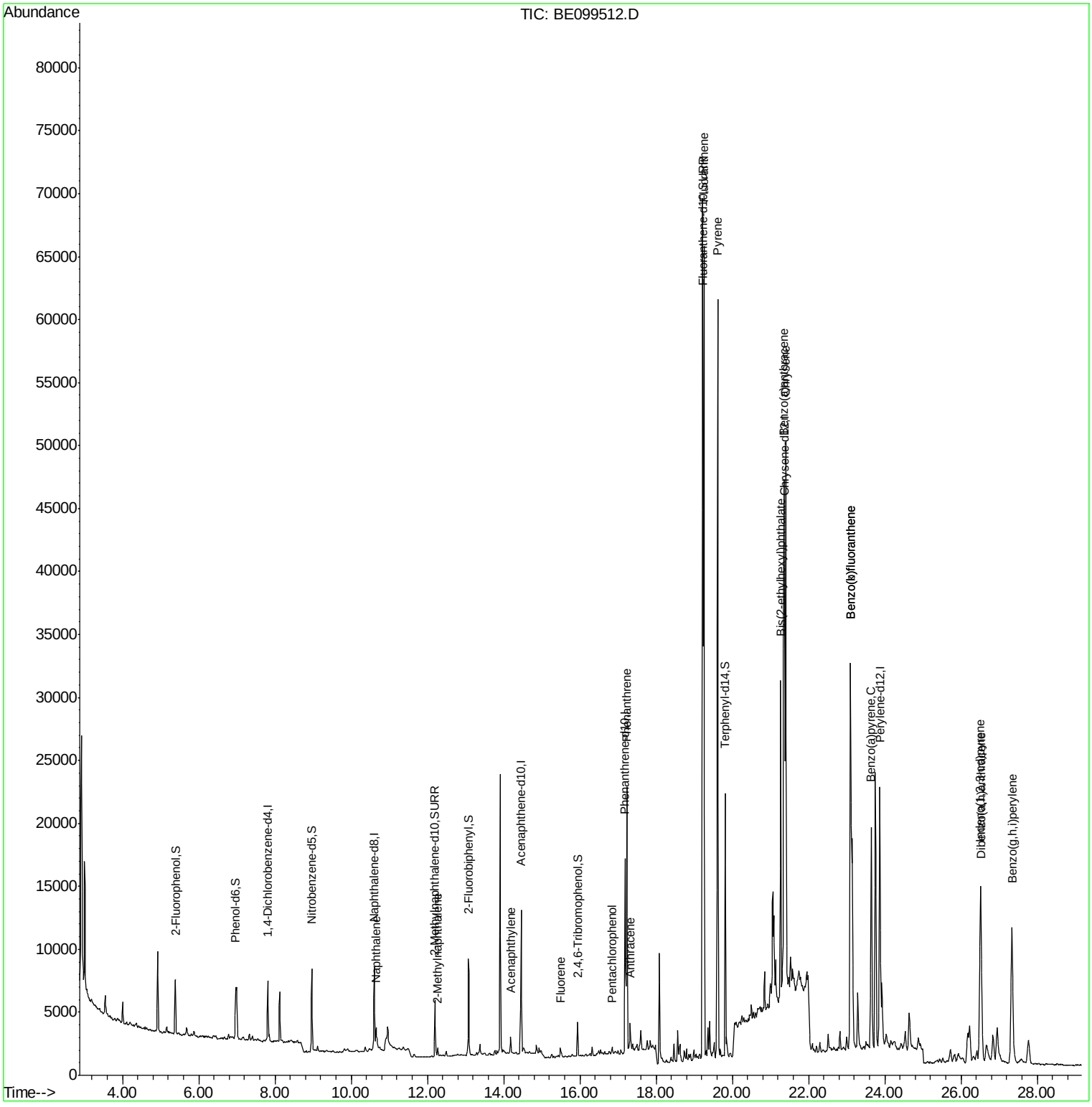
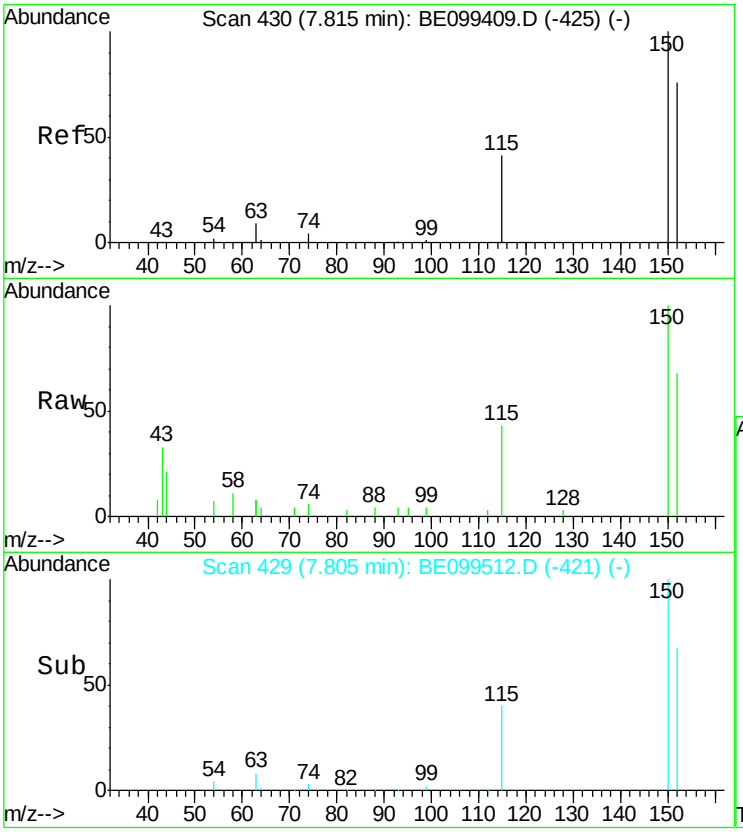
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration



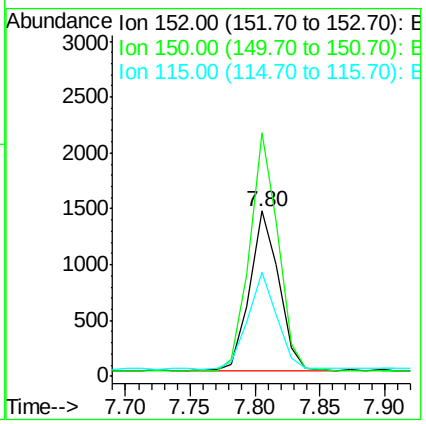


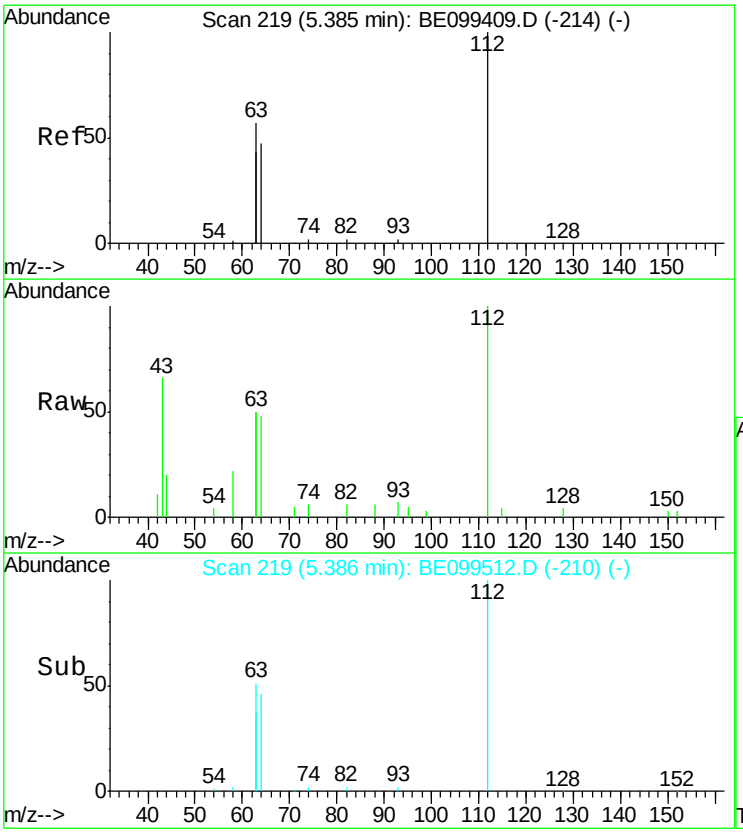
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:152 Resp: 2248

Ion	Ratio	Lower	Upper
152	100		
150	147.2	104.8	157.2
115	62.8	46.6	69.8

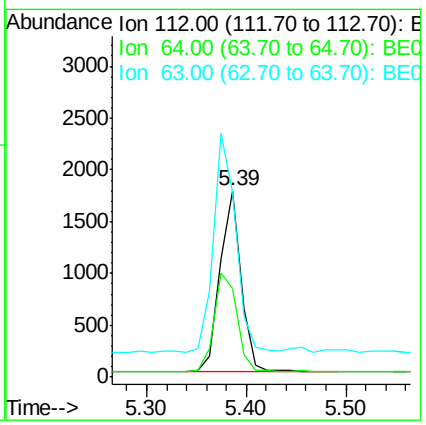


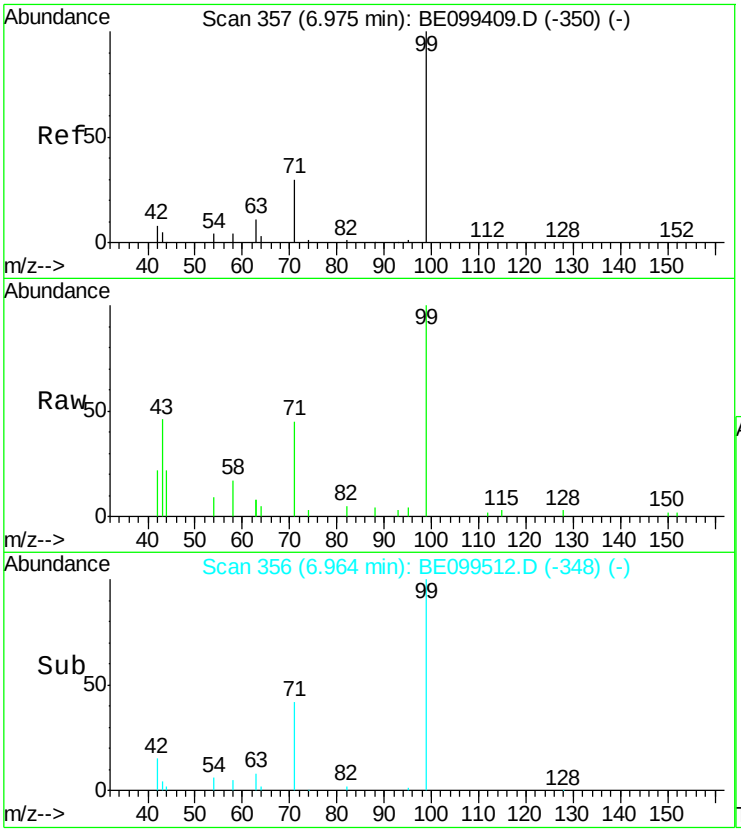


#4
2-Fluorophenol
Concen: 0.417 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:112 Resp: 2592

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.4	71.0
63	126.4	104.3	156.5



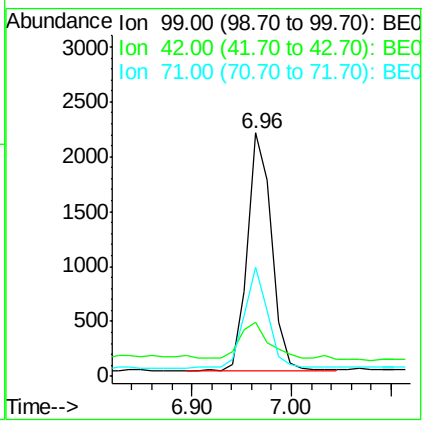


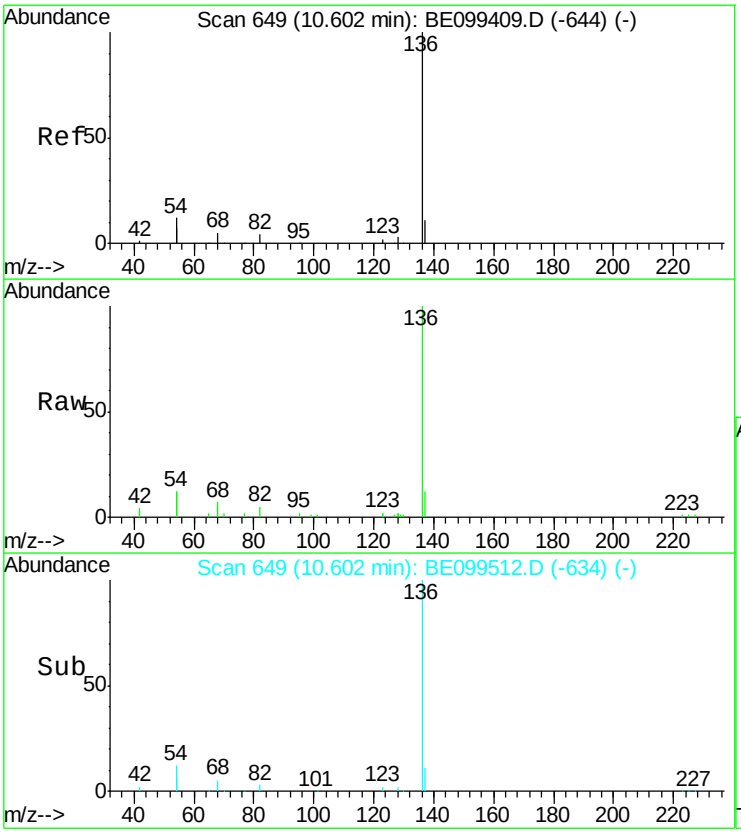
#5
Phenol-d6
Concen: 0.440 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion: 99 Resp: 3637

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.9	22.3
71	41.9	33.0	49.6

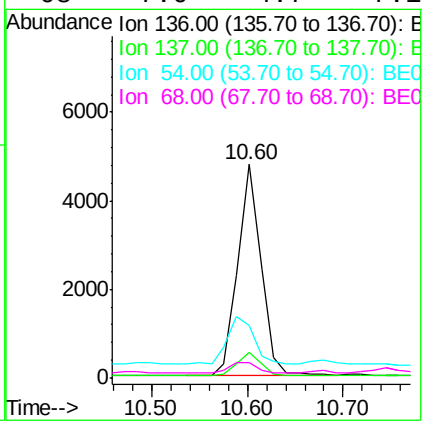


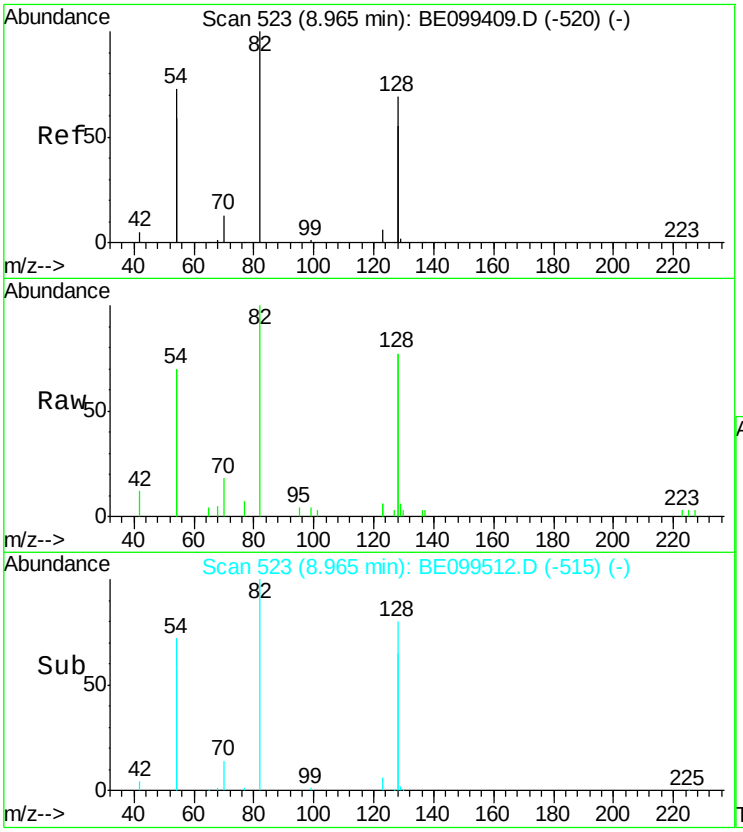


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:136 Resp: 8054

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.8	14.8
54	24.4	18.5	27.7
68	7.0	4.7	7.1



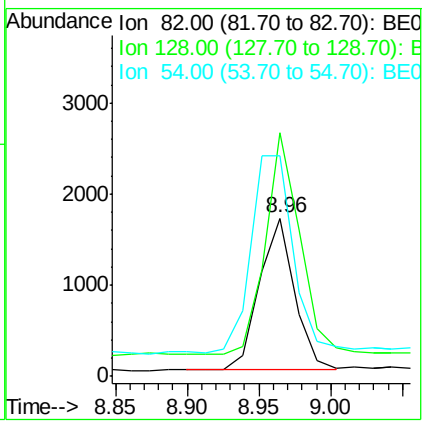


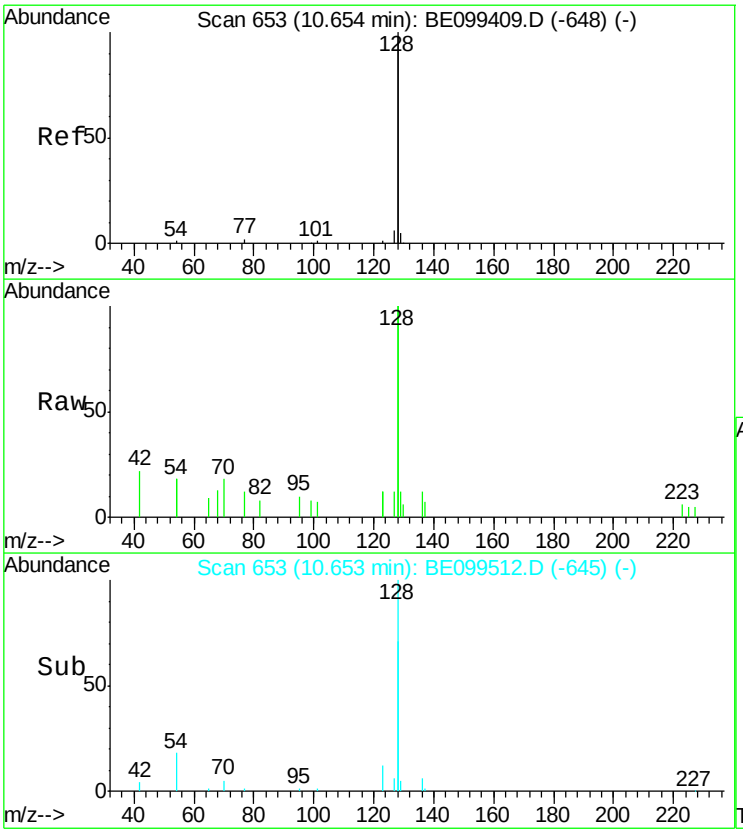
#8
Nitrobenzene-d5
Concen: 0.375 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion: 82 Resp: 2831

Ion	Ratio	Lower	Upper
82	100		
128	154.0	107.0	160.4
54	139.1	113.1	169.7

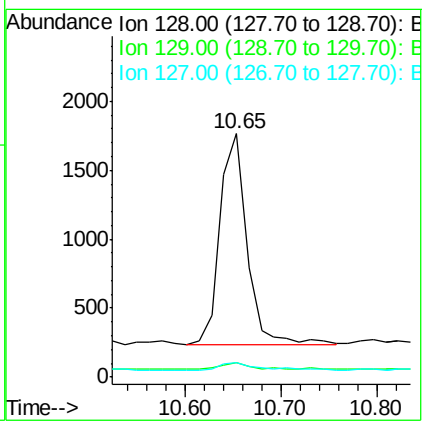


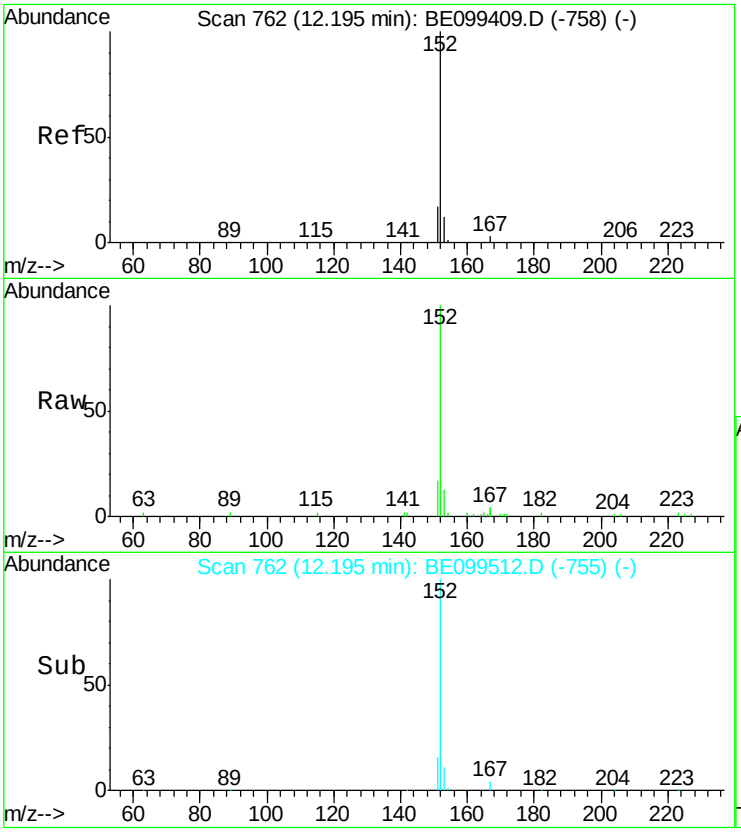


#9
Naphthalene
Concen: 0.034 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:128 Resp: 2982

Ion	Ratio	Lower	Upper
128	100		
129	5.8	2.4	3.6#
127	5.8	2.8	4.2#



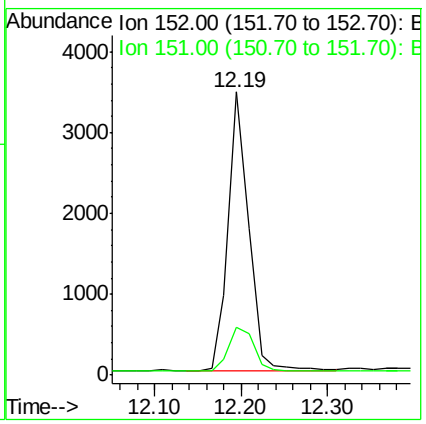


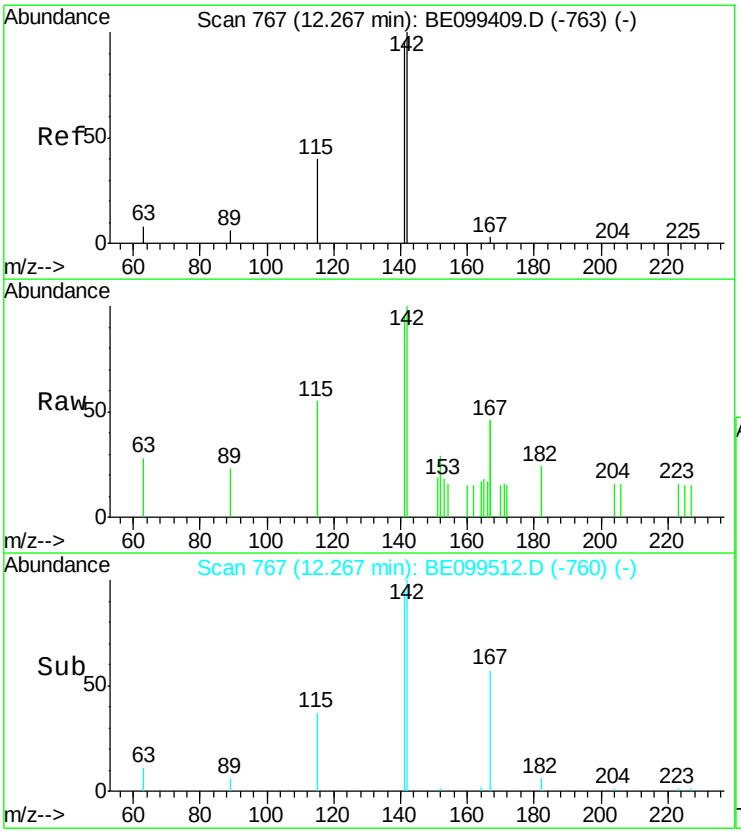
#11
2-Methylnaphthalene-d10
Concen: 0.389 ng
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:152 Resp: 5650

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3

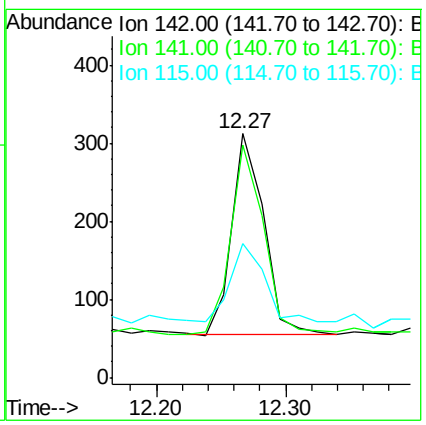


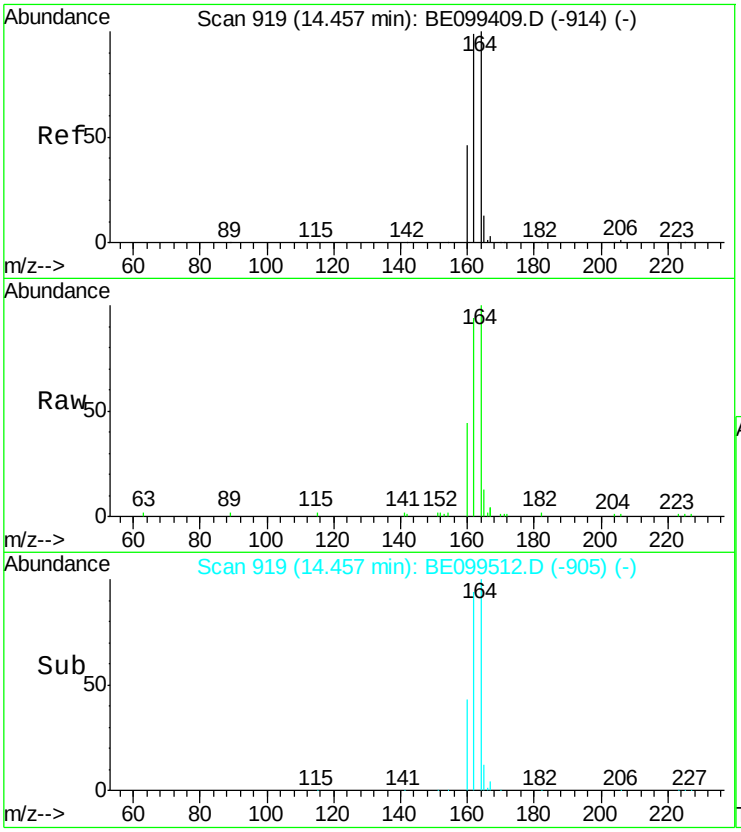


#12
2-Methylnaphthalene
Concen: 0.029 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:142 Resp: 436

Ion	Ratio	Lower	Upper
142	100		
141	95.2	77.0	115.4
115	54.8	33.4	50.0#



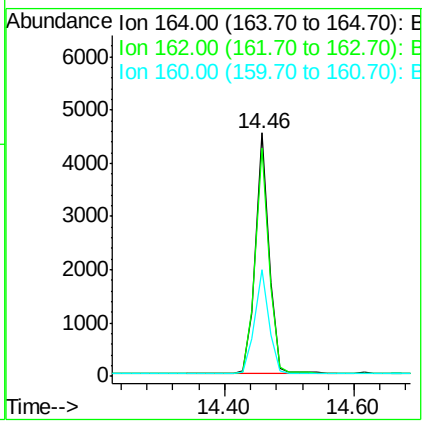


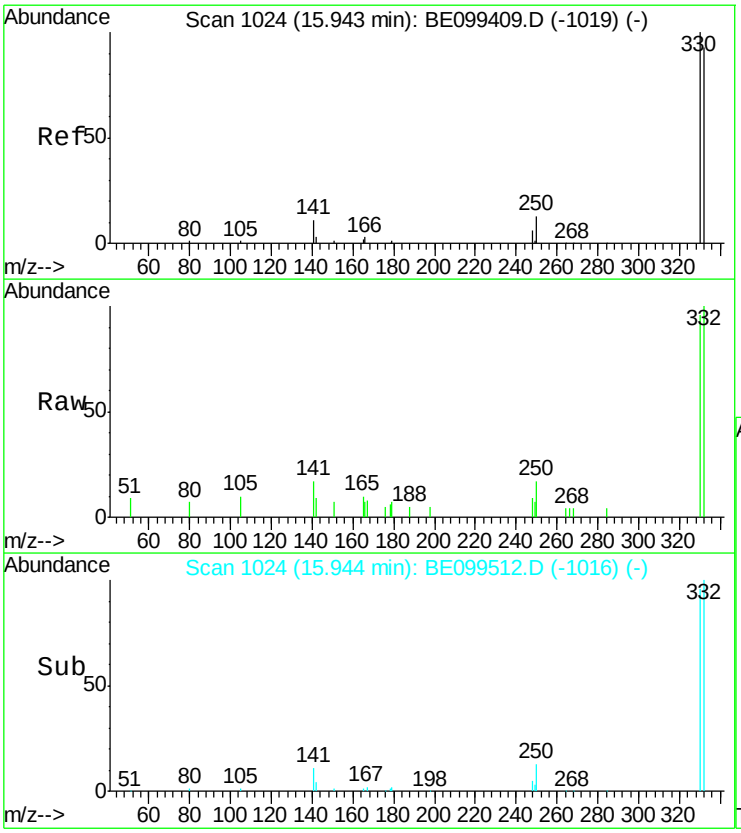
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:164 Resp: 6589

Ion	Ratio	Lower	Upper
164	100		
162	93.8	79.0	118.4
160	44.0	37.0	55.4

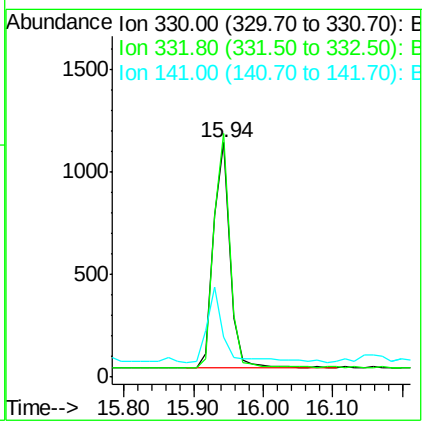


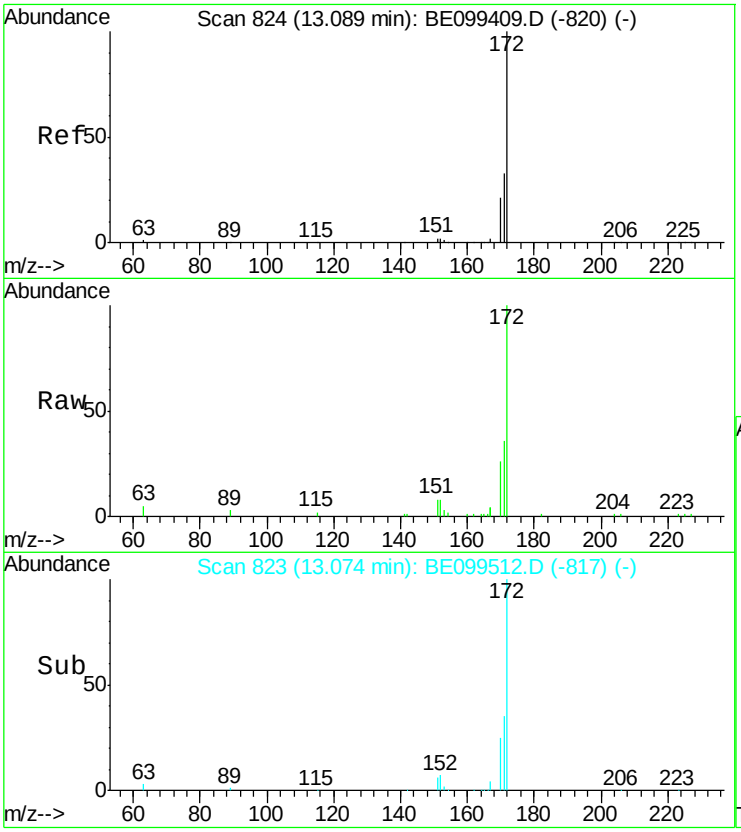


#14
2,4,6-Tribromophenol
Concen: 0.440 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:330 Resp: 1826

Ion	Ratio	Lower	Upper
330	100		
332	99.9	71.5	107.3
141	33.6	24.0	36.0



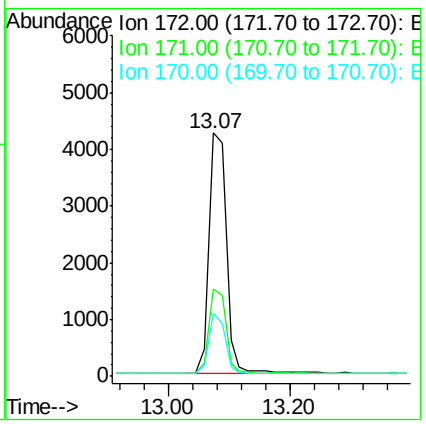


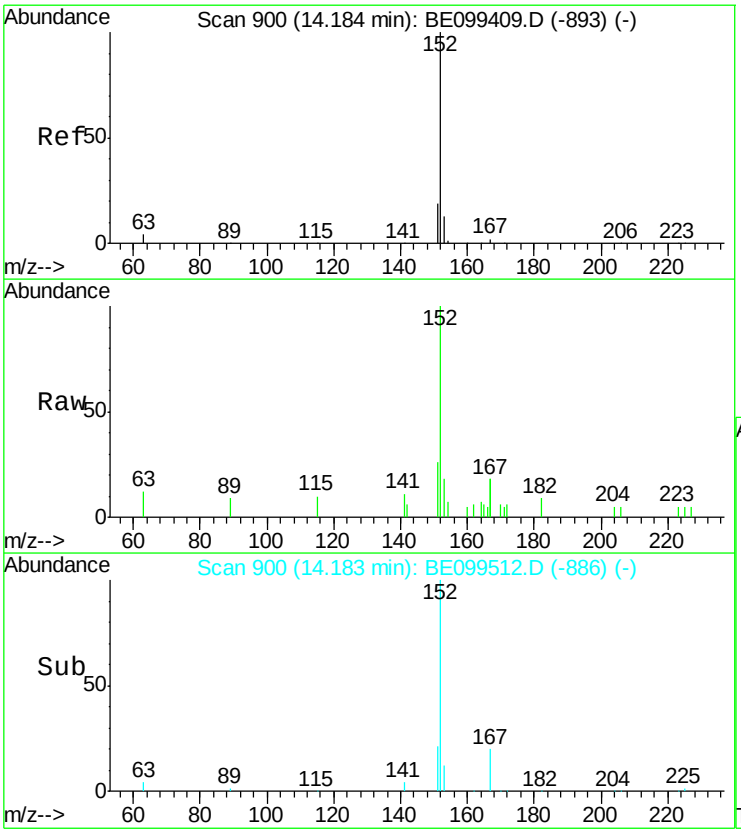
#15
2-Fluorobiphenyl
Concen: 0.337 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:172 Resp: 8472

Ion	Ratio	Lower	Upper
172	100		
171	36.1	26.6	39.8
170	26.1	17.0	25.6#

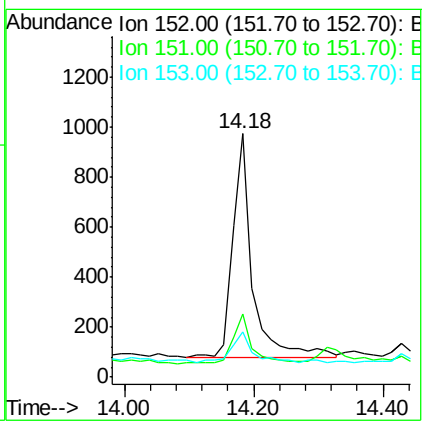


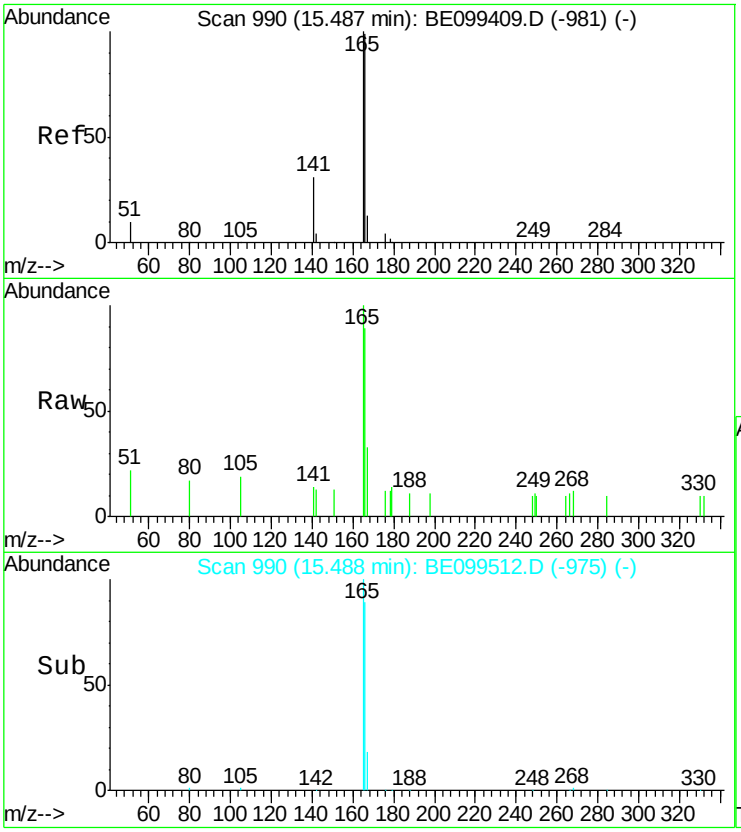


#16
Acenaphthylene
Concen: 0.057 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:152 Resp: 1849

Ion	Ratio	Lower	Upper
152	100		
151	22.1	15.4	23.2
153	14.9	9.8	14.6#



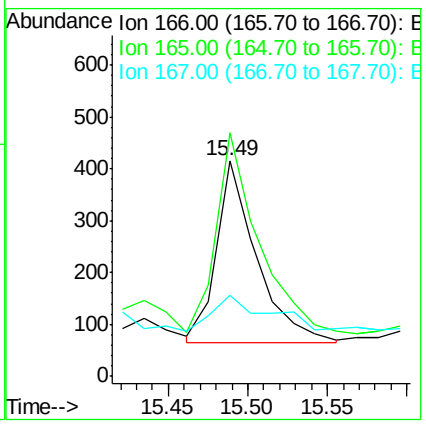


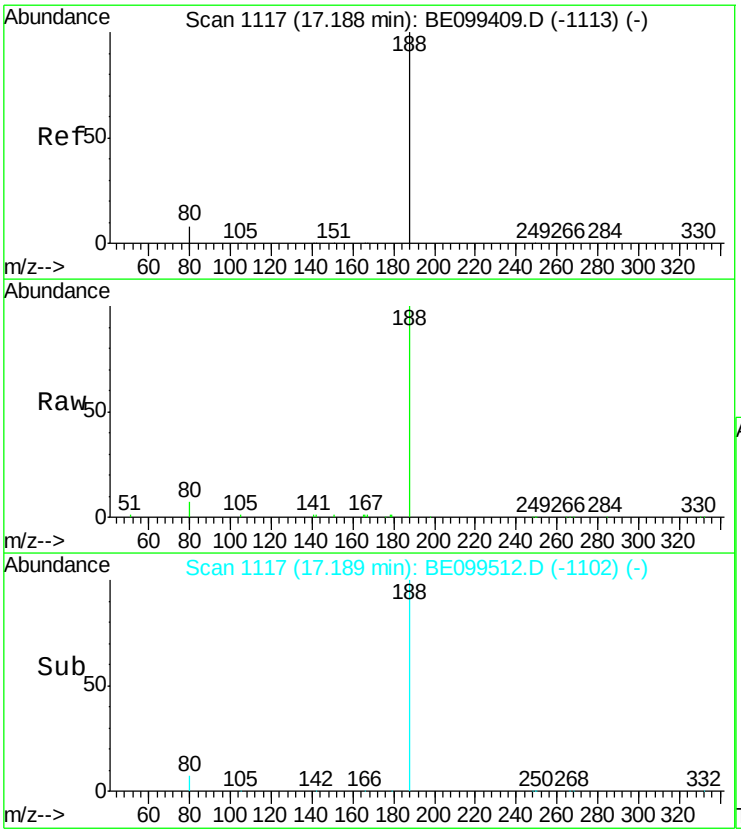
#18
Fluorene
Concen: 0.023 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:166 Resp: 612

Ion	Ratio	Lower	Upper
166	100		
165	116.3	80.3	120.5
167	30.1	10.7	16.1#

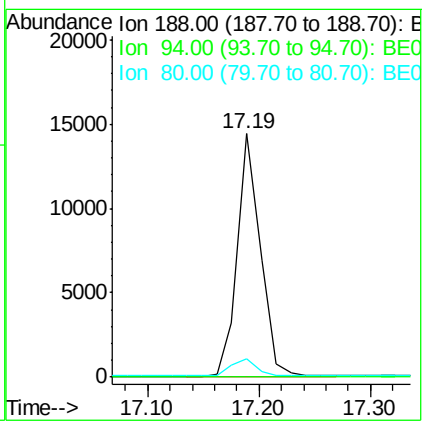


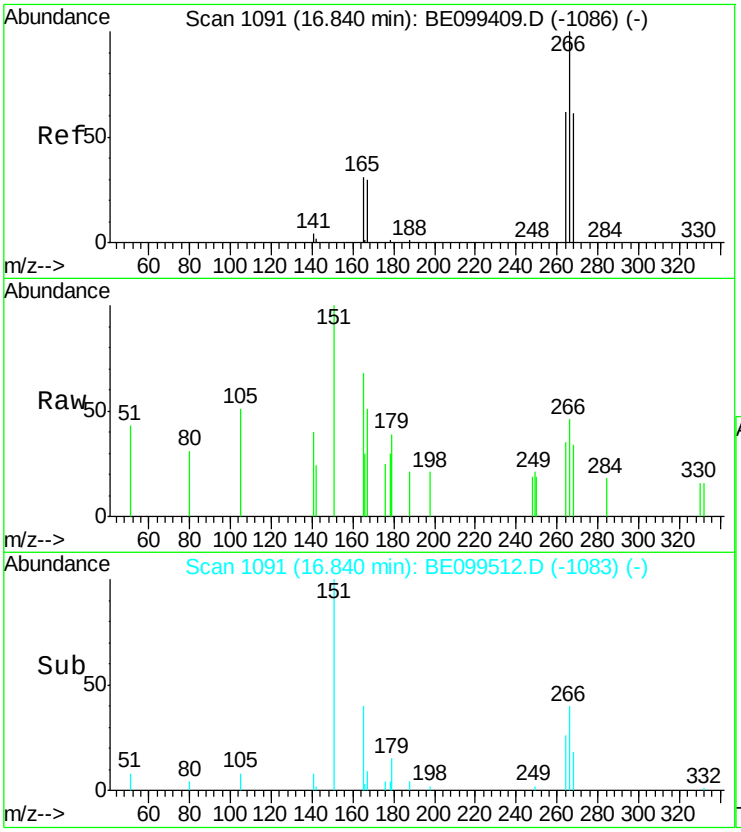


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:188 Resp: 20549

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.3	6.7	10.1



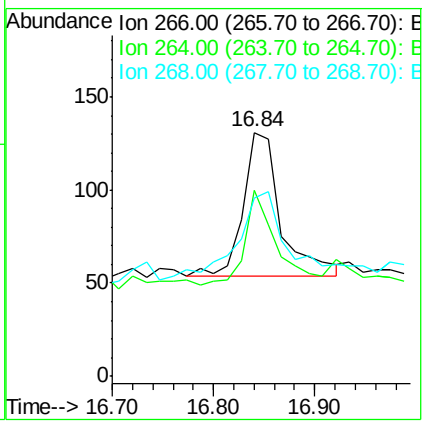


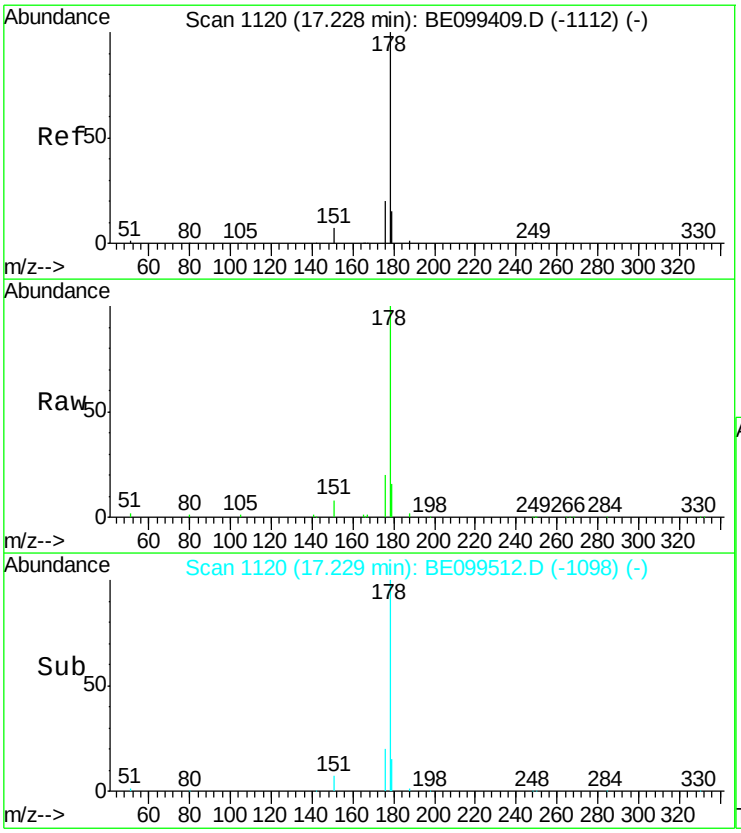
#22
Pentachlorophenol
Concen: 0.245 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:266 Resp: 198

Ion	Ratio	Lower	Upper
266	100		
264	76.3	50.8	76.2#
268	73.3	50.5	75.7

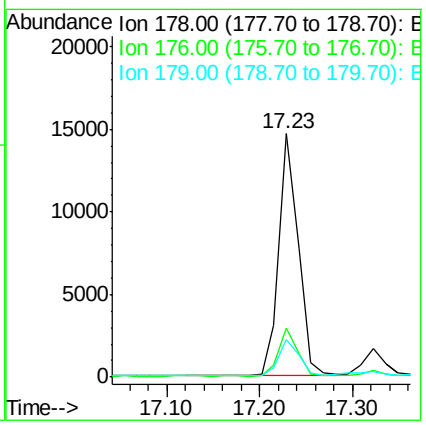


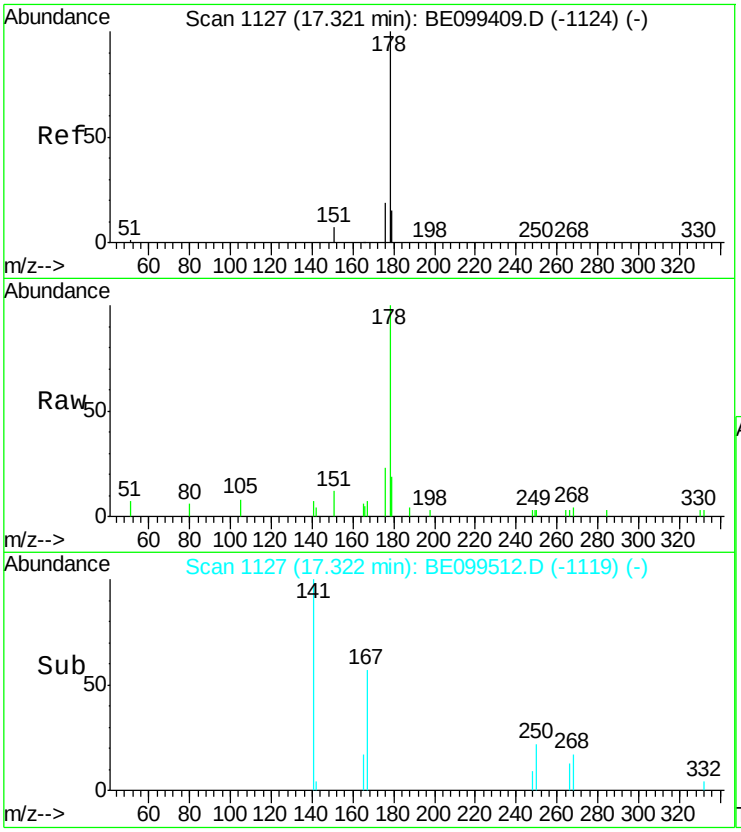


#23
Phenanthrene
Concen: 0.404 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:178 Resp: 21447

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.8	12.0	18.0



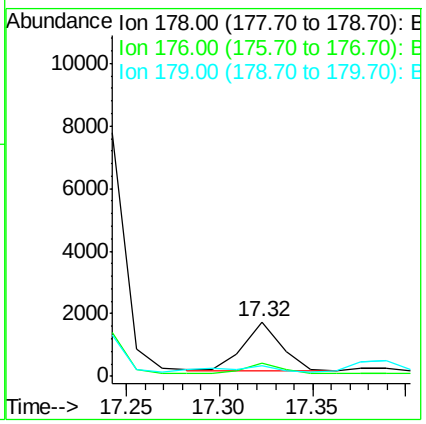


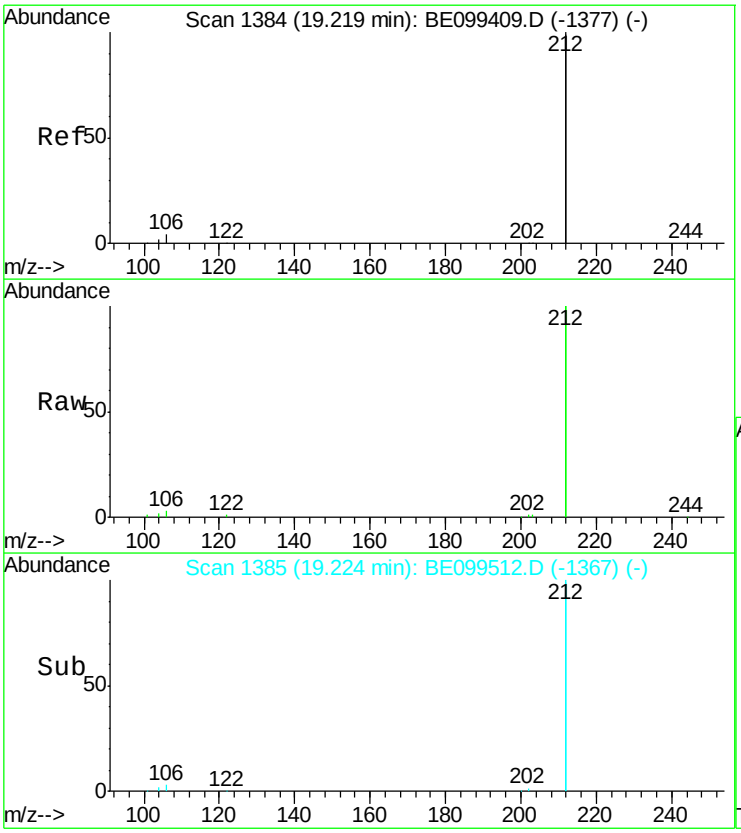
#24
Anthracene
Concen: 0.044 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:178 Resp: 2225

Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.9	22.3
179	21.3	11.9	17.9#

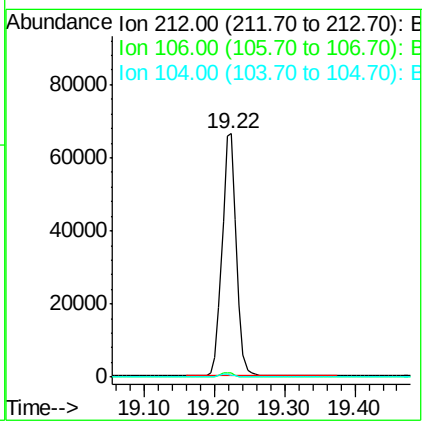


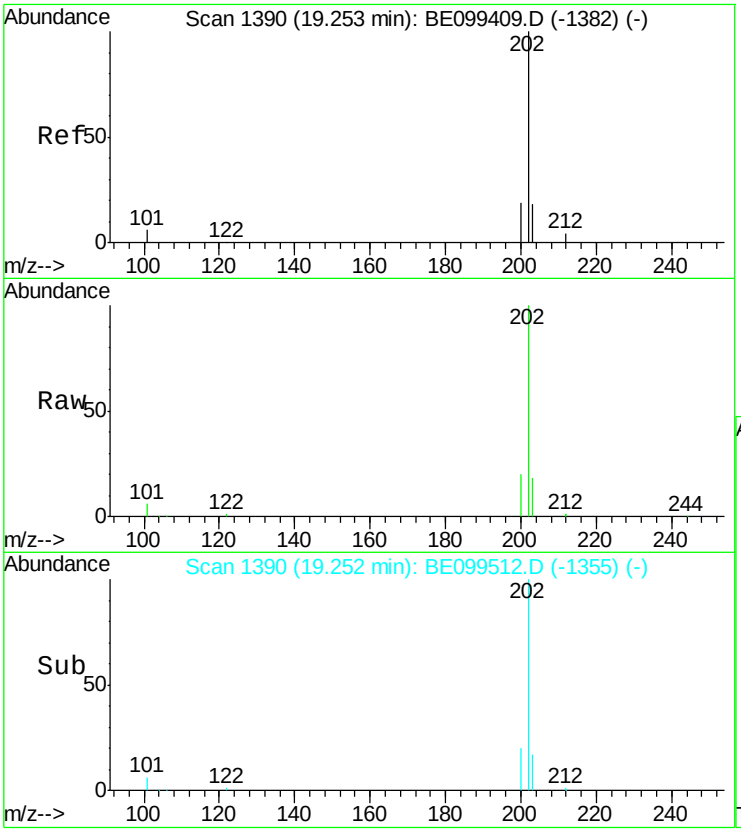


#25
Fluoranthene-d10
Concen: 0.337 ng
RT: 19.22 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:212 Resp: 93374

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.5	2.3
104	1.1	0.9	1.3



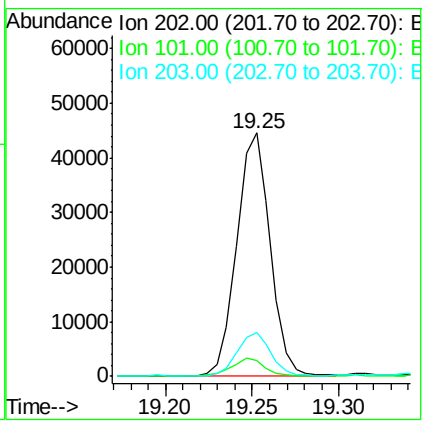


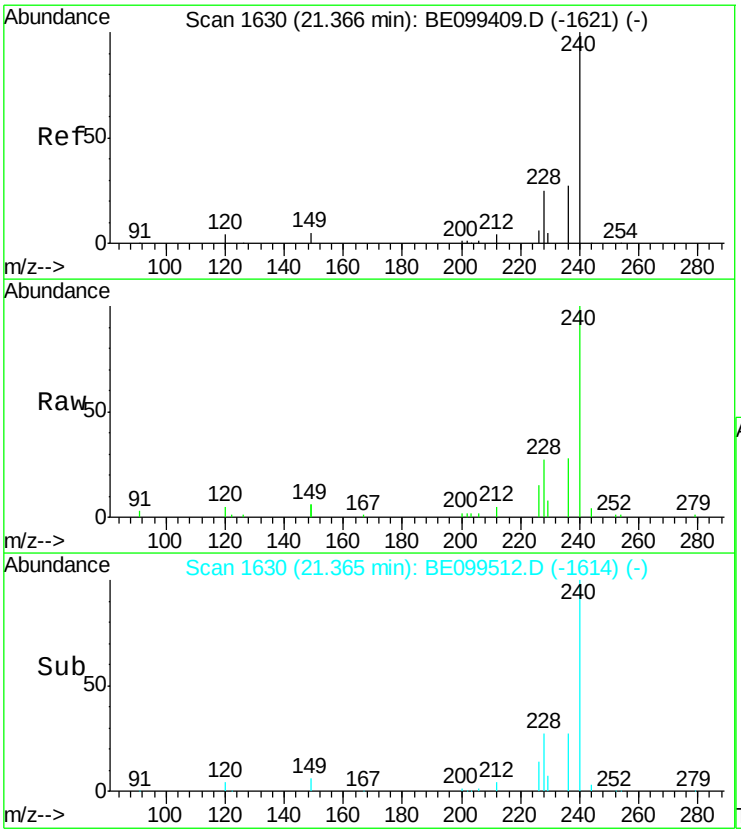
#26
Fluoranthene
Concen: 0.747 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:202 Resp: 59332

Ion	Ratio	Lower	Upper
202	100		
101	6.9	5.4	8.0
203	17.5	13.9	20.9

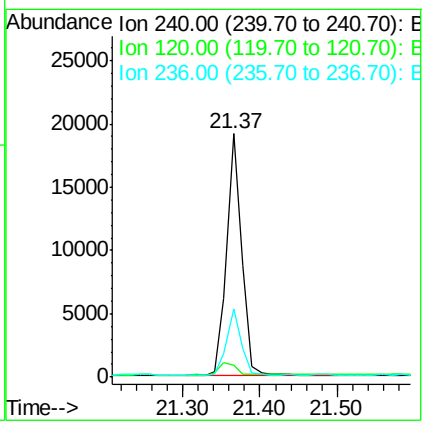


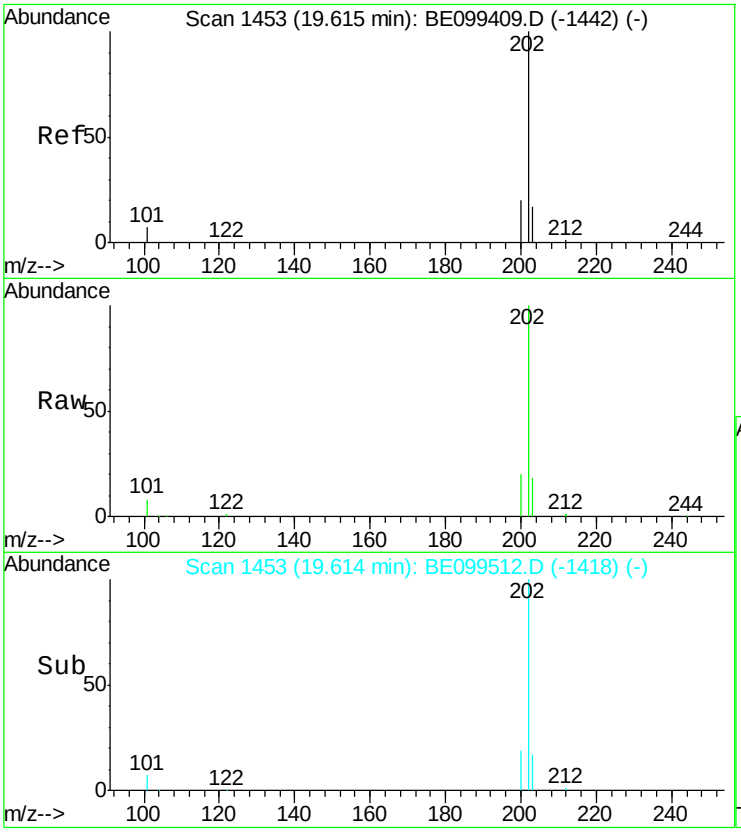


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:240 Resp: 25897

Ion	Ratio	Lower	Upper
240	100		
120	4.8	4.0	6.0
236	27.9	22.0	33.0



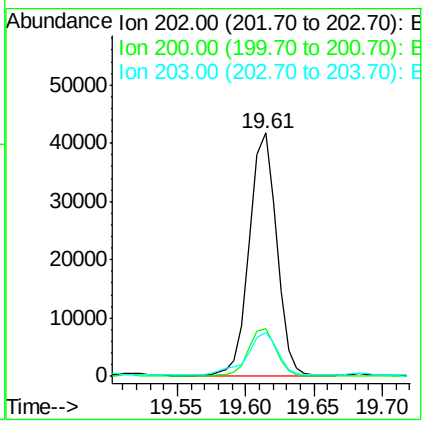


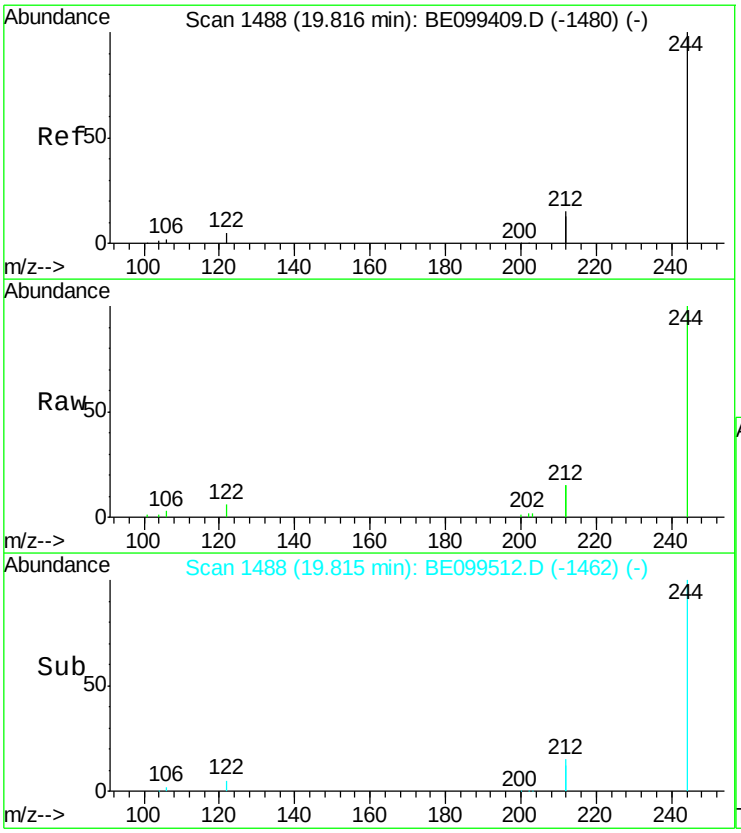
#28
Pyrene
Concen: 0.847 ng
RT: 19.61 min Scan# 1453
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:202 Resp: 57185

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	20.2	13.9	20.9

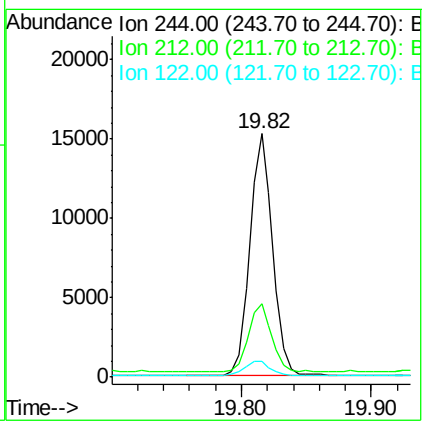


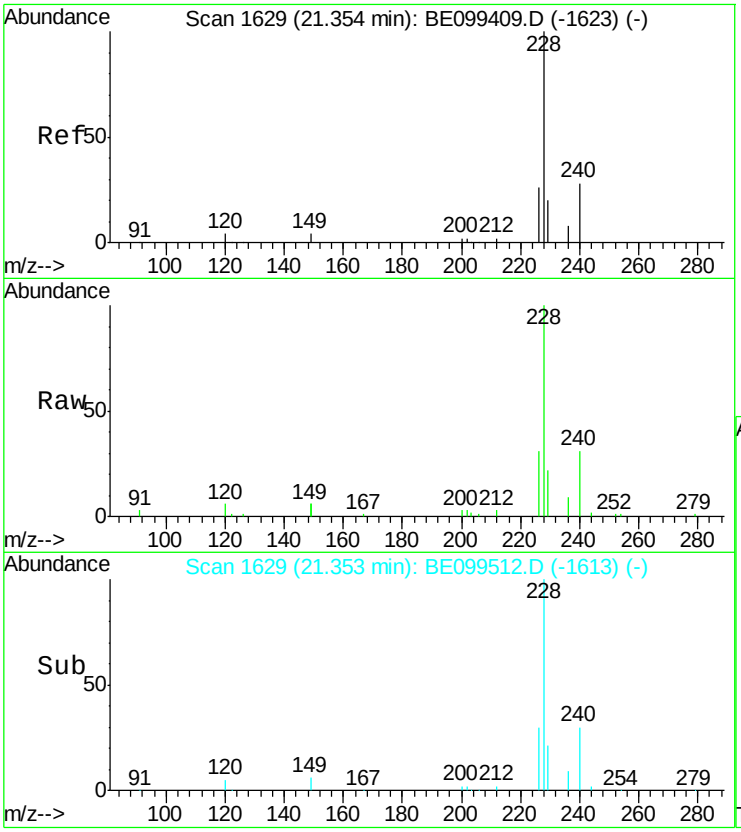


#29
Terphenyl-d14
Concen: 0.392 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:244 Resp: 18596

Ion	Ratio	Lower	Upper
244	100		
212	30.3	23.2	34.8
122	6.3	4.2	6.4



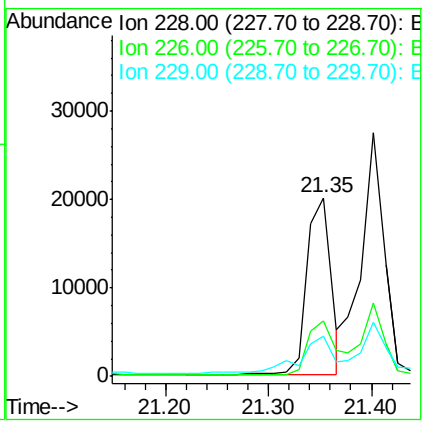


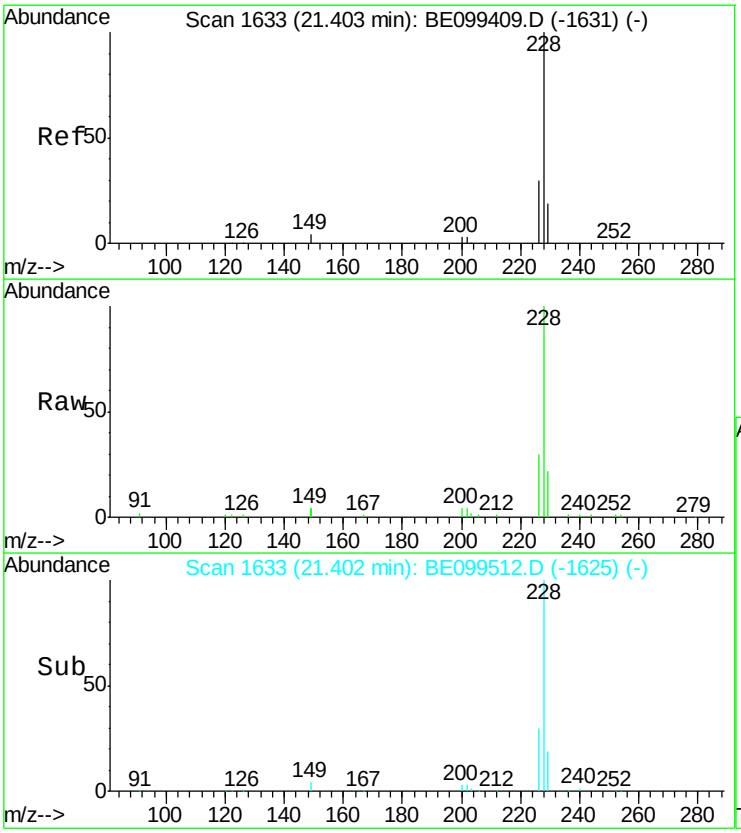
#30
Benzo(a)anthracene
Concen: 0.397 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:228 Resp: 32723

Ion	Ratio	Lower	Upper
228	100		
226	30.9	21.0	31.6
229	22.4	16.6	25.0

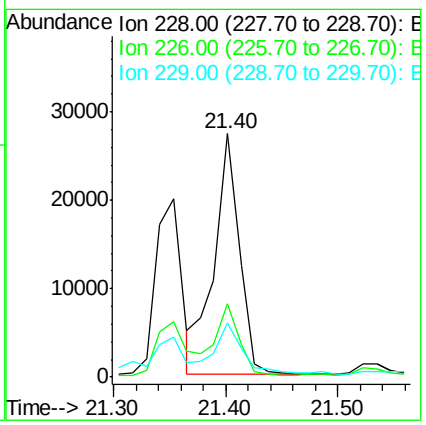


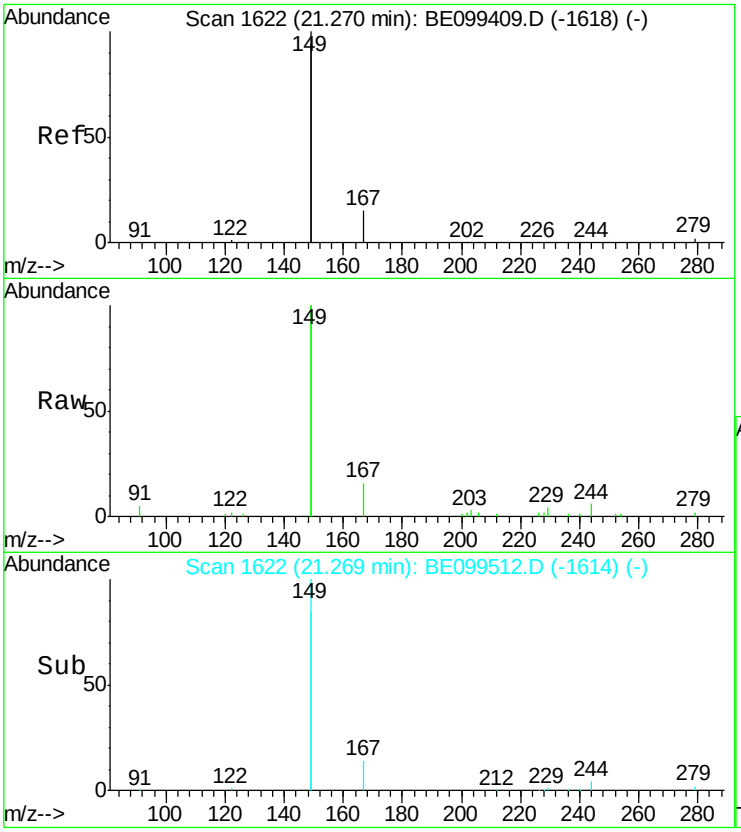


#31
Chrysene
Concen: 0.528 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:228 Resp: 42641

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	22.2	15.8	23.8



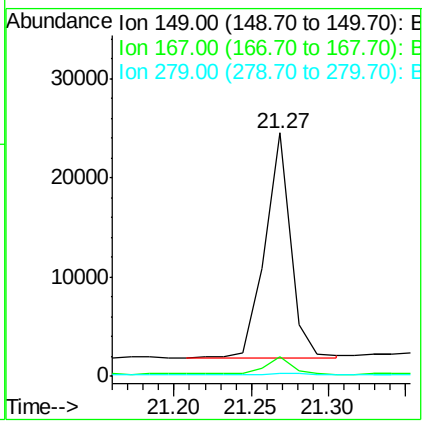


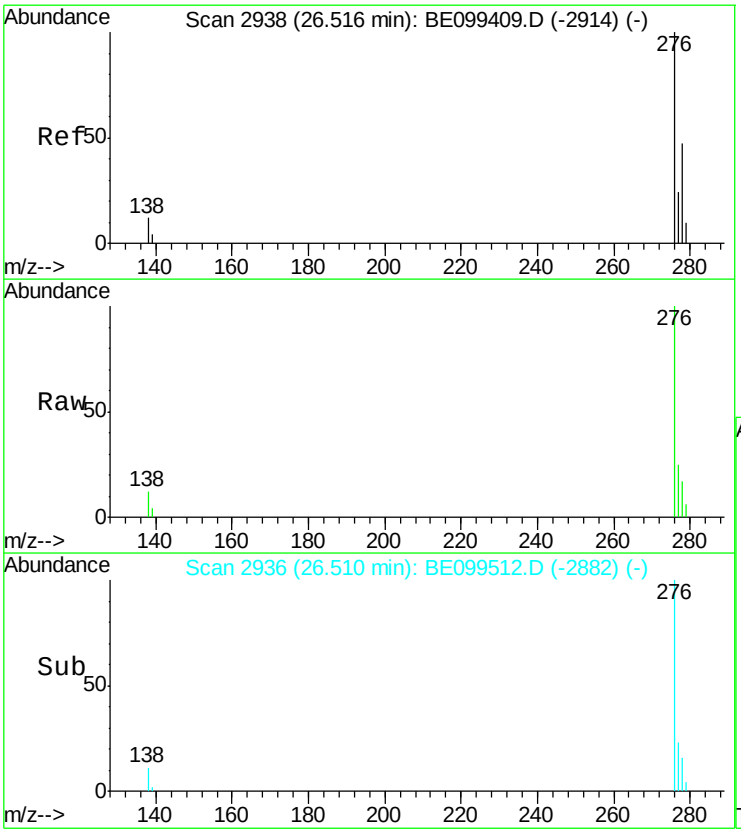
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.154 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:149 Resp: 26326

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

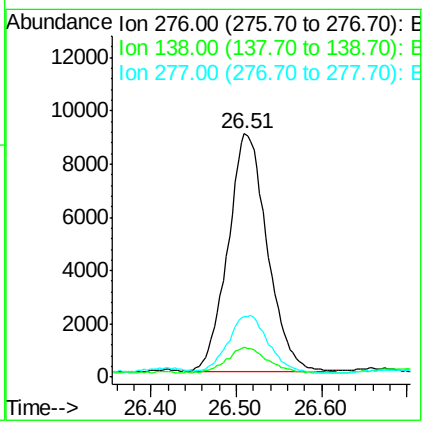


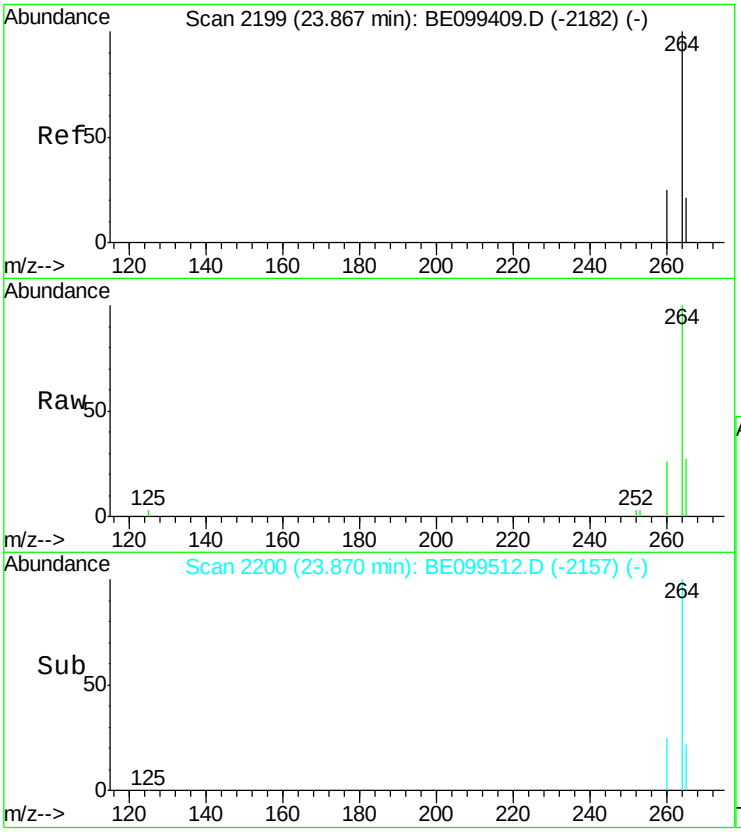


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.299 ng
RT: 26.51 min Scan# 2936
Delta R.T. -0.01 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:276 Resp: 28528

Ion	Ratio	Lower	Upper
276	100		
138	11.2	10.2	15.2
277	24.5	19.2	28.8



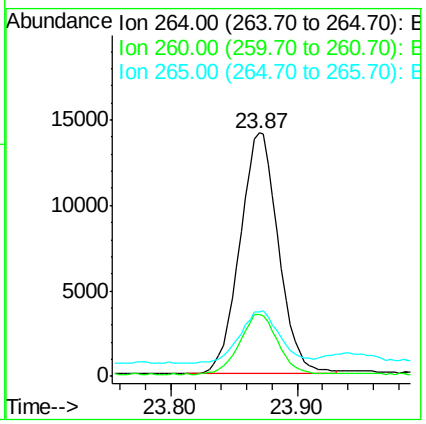


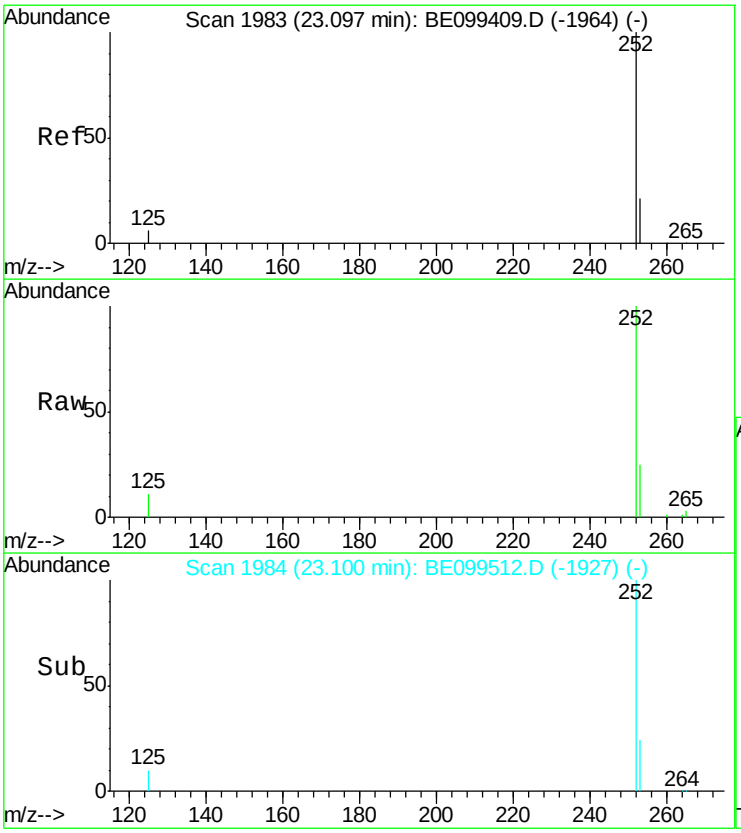
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:264 Resp: 29982

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.2	30.2
265	26.6	21.3	31.9

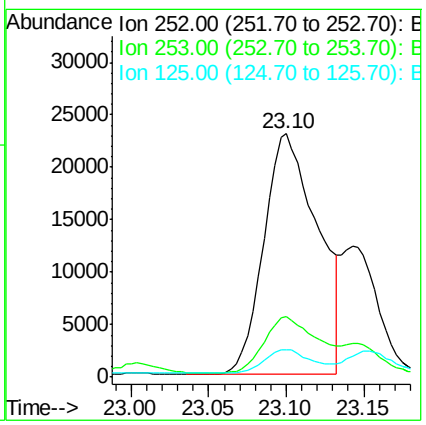


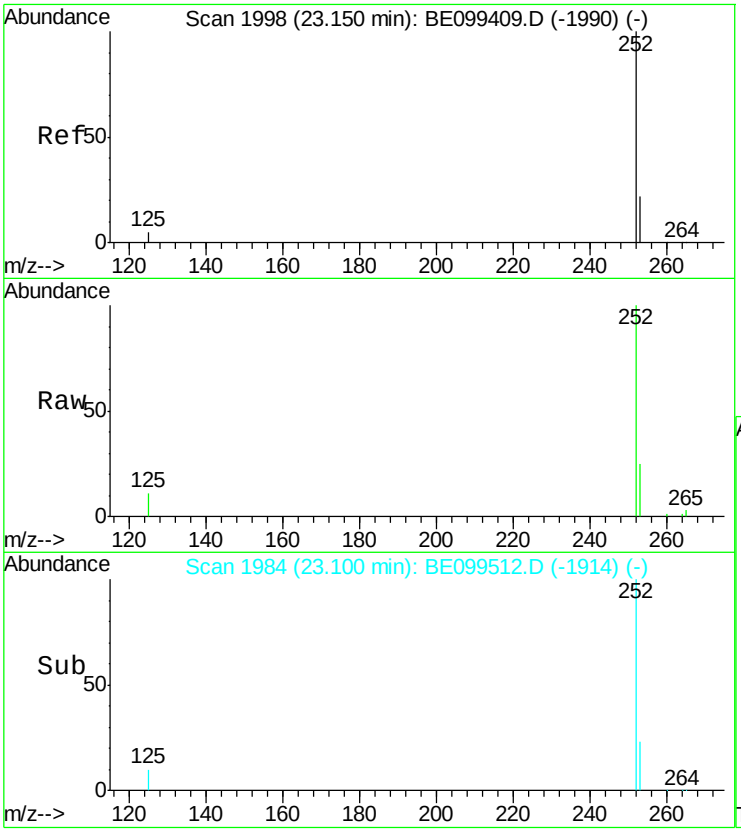


#35
Benzo(b)fluoranthene
Concen: 0.641 ng
RT: 23.10 min Scan# 1984
Delta R.T. 0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:252 Resp: 55404

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.1	27.1
125	11.4	5.6	8.4#



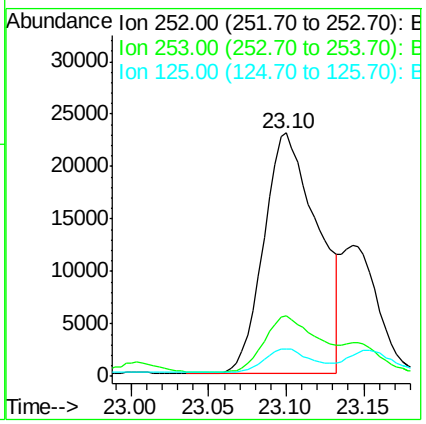


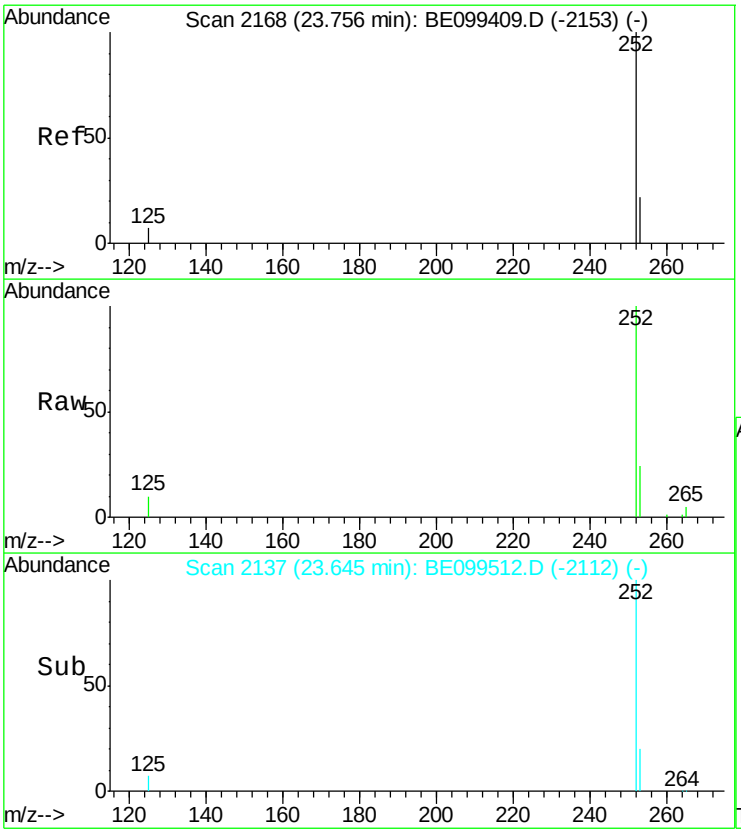
#36
Benzo(k)fluoranthene
Concen: 0.665 ng
RT: 23.10 min Scan# 1984
Delta R.T. -0.05 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:252 Resp: 55404

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.4	27.6
125	11.4	5.0	7.4#

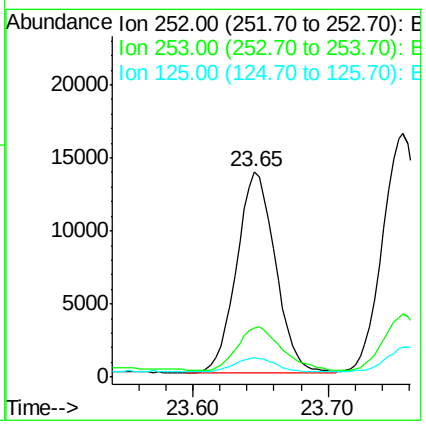


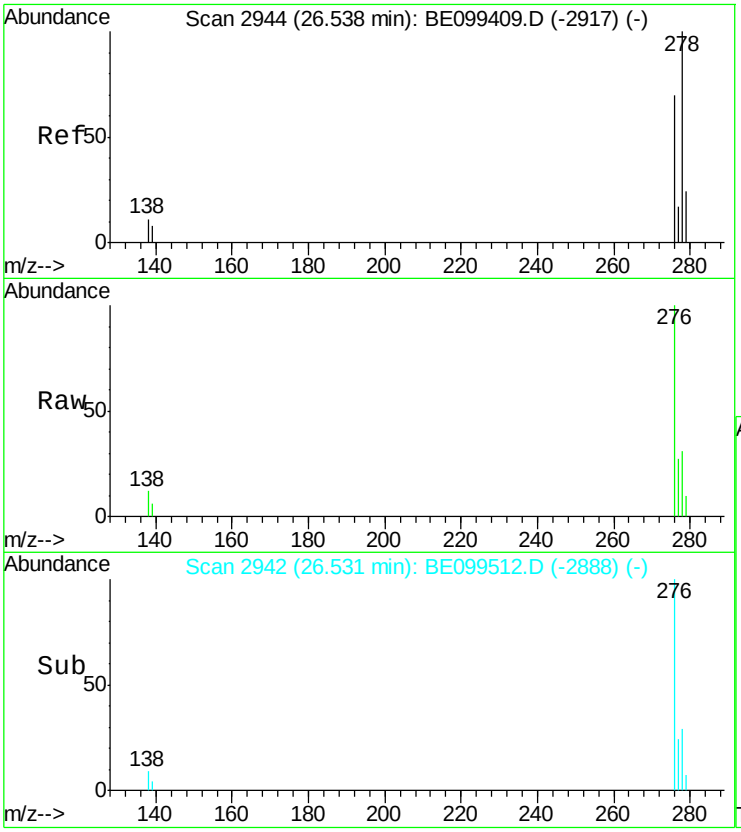


#37
Benzo(a)pyrene
Concen: 0.337 ng
RT: 23.65 min Scan# 2137
Delta R.T. -0.11 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:252 Resp: 27541

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	9.8	6.7	10.1



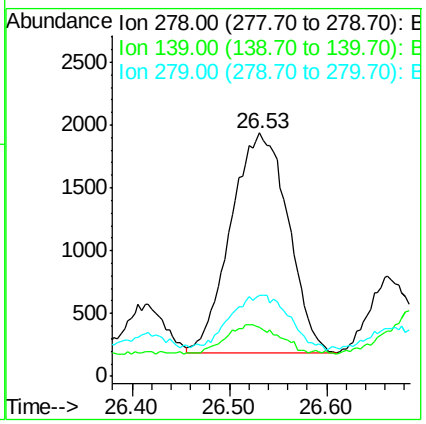


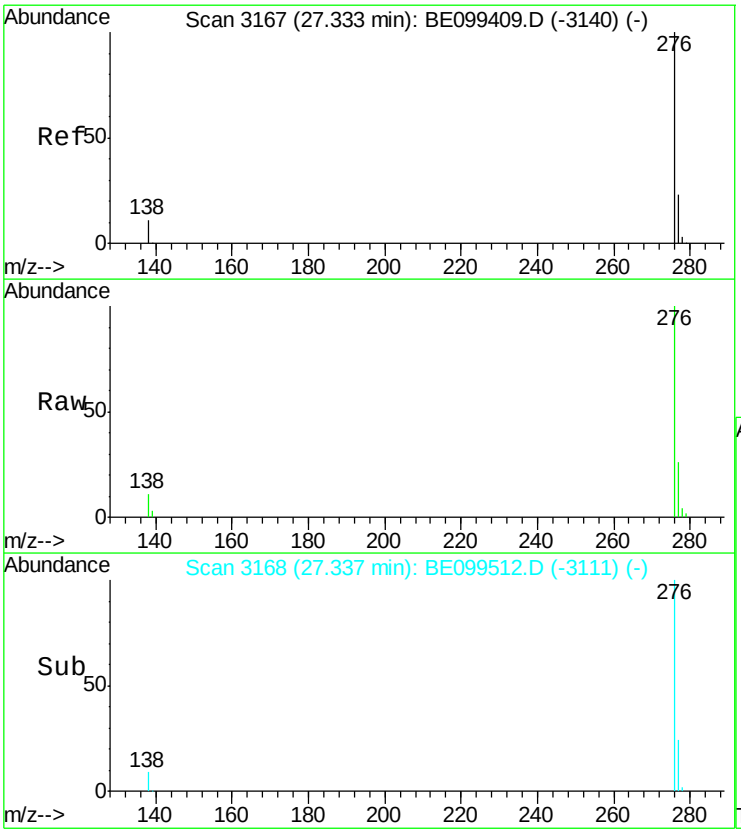
#38
Dibenzo(a,h)anthracene
Concen: 0.086 ng
RT: 26.53 min Scan# 2942
Delta R.T. -0.01 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Instrument :
BNA_E
ClientSampleId :
PST-004-B166-042319

Tgt Ion:278 Resp: 7169

Ion	Ratio	Lower	Upper
278	100		
139	20.3	7.7	11.5#
279	33.2	20.2	30.2#





#39
Benzo(g,h,i)perylene
Concen: 0.337 ng
RT: 27.34 min Scan# 3168
Delta R.T. 0.00 min
Lab File: BE099512.D
Acq: 3 May 2019 3:09

Tgt Ion:276 Resp: 28216

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.5	29.3
138	11.4	9.6	14.4