Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050819\
Data File : BE099578.D
Acq On : 8 May 2019 17:00
Operator : JU/SJ
Sample : K2587-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PST-004-SW022-042319

Quant Time: May 08 17:43:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 14:10:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1734	0.40	ng		0.02
7) Naphthalene-d8	10.64	136	6162	0.40	ng		0.01
13) Acenaphthene-d10	14.50	164	4164	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	12393	0.40	ng		0.00
27) Chrysene-d12	21.43	240	17582	0.40	ng		0.00
34) Perylene-d12	23.98	264	21378	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	2016	0.42	ng		0.00
5) Phenol-d6	7.00	99	2754	0.44	ng		0.02
8) Nitrobenzene-d5	9.00	82	2191	0.37	ng		0.03
11) 2-Methylnaphthalene-d10	12.24	152	3874	0.36	ng		0.01
14) 2,4,6-Tribromophenol	16.00	330	1256	0.45	ng		0.01
15) 2-Fluorobiphenyl	13.13	172	5792	0.37	ng		0.01
25) Fluoranthene-d10	19.28	212	58581	0.35	ng		0.00
29) Terphenyl-d14	19.87	244	12416	0.38	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.69	128	3598	0.055	ng	#	95
12) 2-Methylnaphthalene	12.31	142	623	0.056	ng	#	85
16) Acenaphthylene	14.23	152	3501	0.174	ng		99
17) Acenaphthene	14.57	154	437	0.039	ng		95
18) Fluorene	15.54	166	952	0.059	ng	#	90
23) Phenanthrene	17.28	178	35323	1.156	ng		100
24) Anthracene	17.38	178	3873	0.132	ng		99
26) Fluoranthene	19.31	202	107882	2.293	ng		99
28) Pyrene	19.67	202	110906	2.354	ng		97
30) Benzo(a)anthracene	21.41	228	66224	1.216	ng		96
31) Chrysene	21.46	228	74426	1.385	ng		98
32) Bis(2-ethylhexyl)phthalate	21.33	149	17007	0.197	ng		100
33) Indeno(1,2,3-cd)pyrene	26.69	276	52007	0.815	ng		99
35) Benzo(b)fluoranthene	23.20	252	99279	1.684	ng		99
36) Benzo(k)fluoranthene	23.24	252	35030m	0.604	ng		
37) Benzo(a)pyrene	23.87	252	65432m	1.151	ng		
38) Dibenzo(a,h)anthracene	26.70	278	13339	0.227	ng	#	91
39) Benzo(g,h,i)perylene	27.53	276	52514	0.892	ng		99

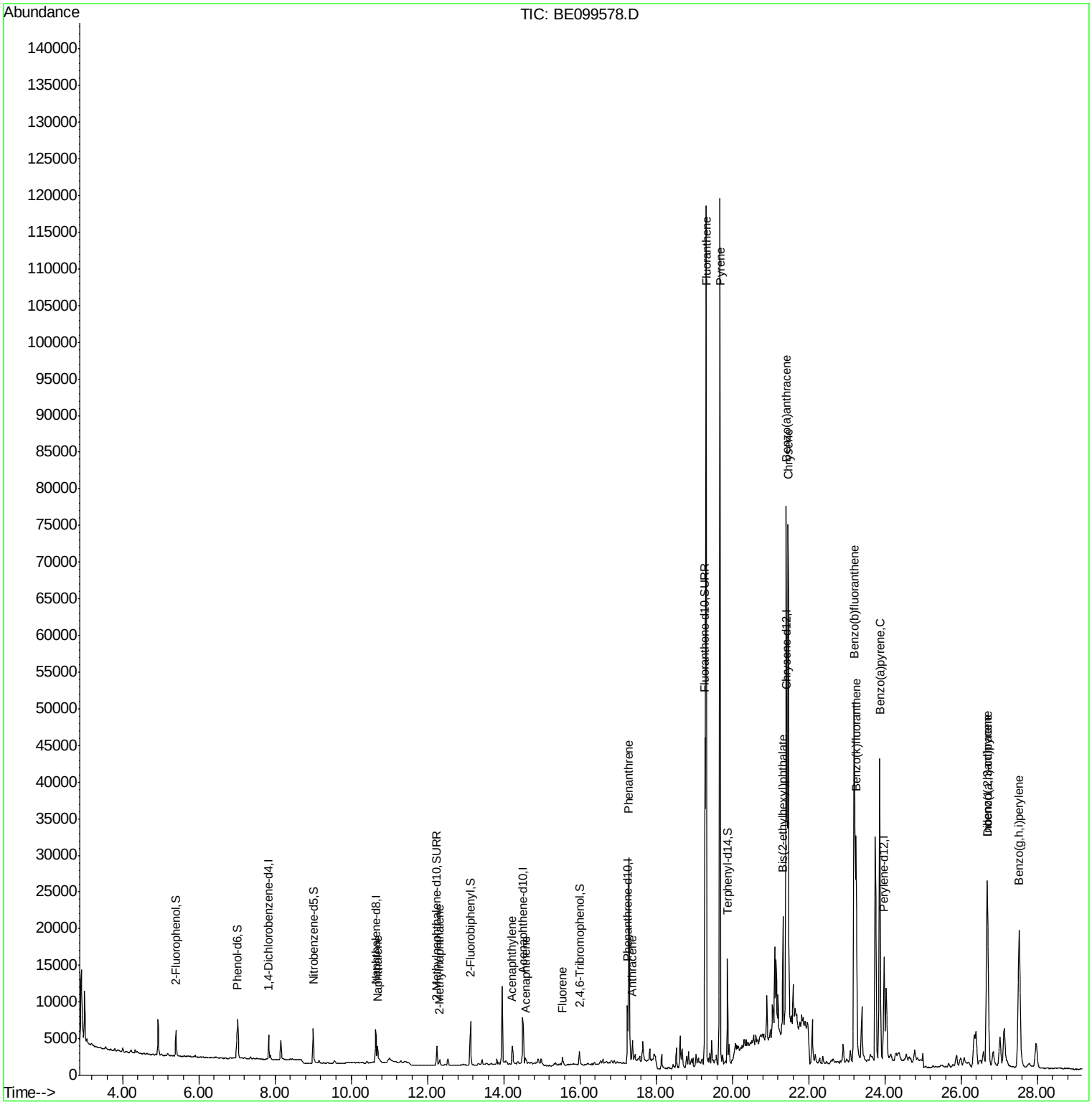
(#) = qualifier out of range (m) = manual integration (+) = signals summed

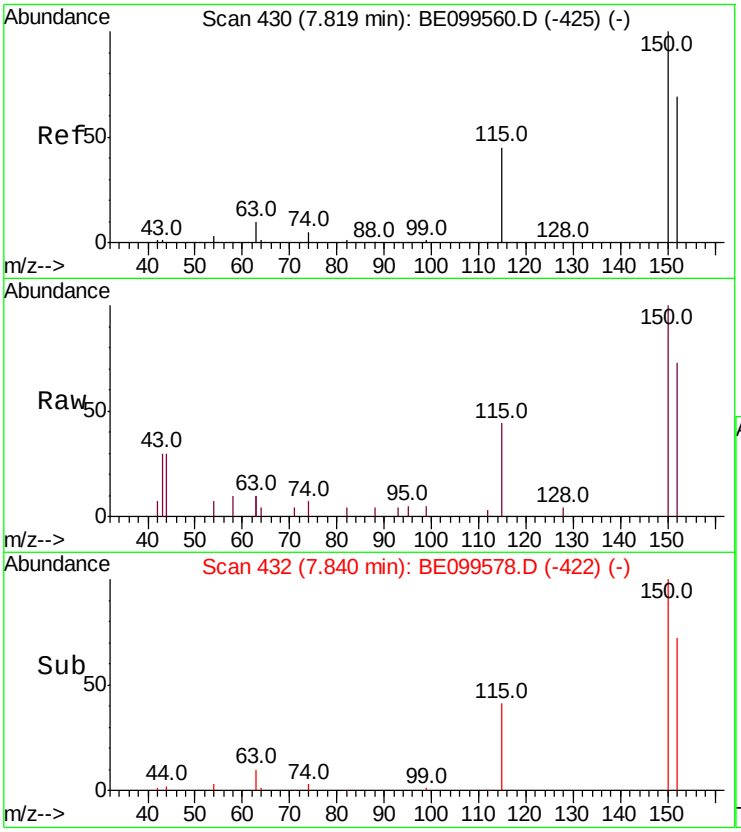
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050819\
Data File : BE099578.D
Acq On : 8 May 2019 17:00
Operator : JU/SJ
Sample : K2587-12
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Quant Time: May 08 17:43:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 07 14:10:11 2019
Response via : Initial Calibration



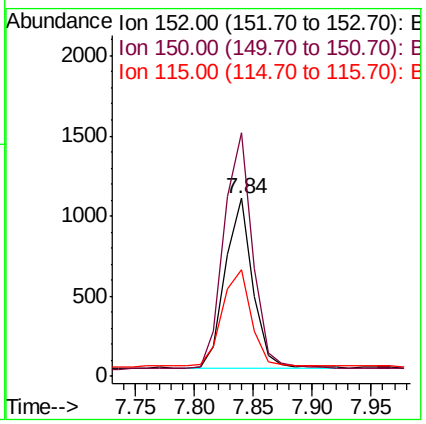


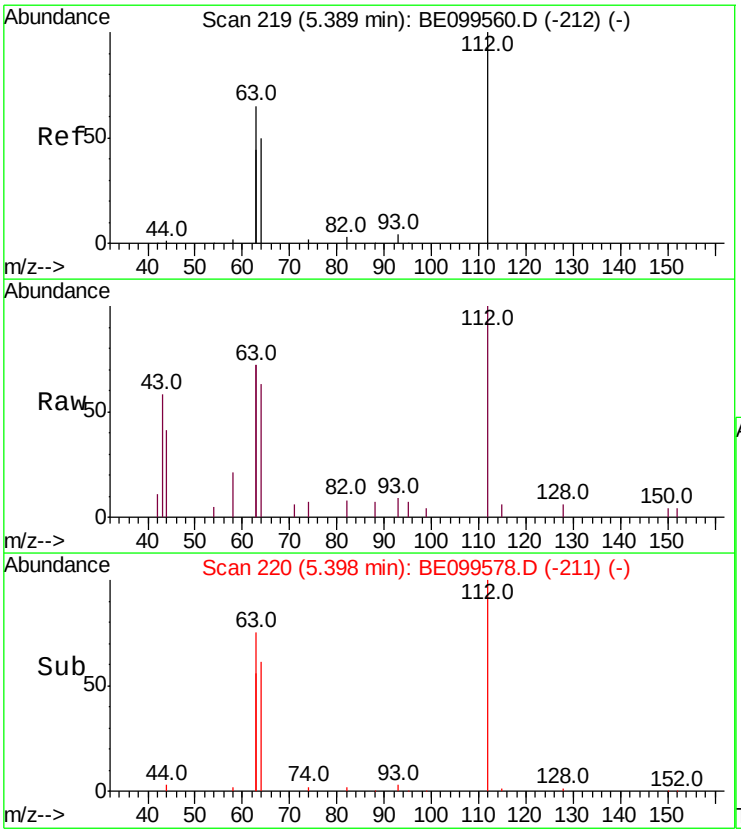
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.02 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:152 Resp: 1734

Ion	Ratio	Lower	Upper
152	100		
150	136.6	113.8	170.6
115	59.7	54.2	81.2

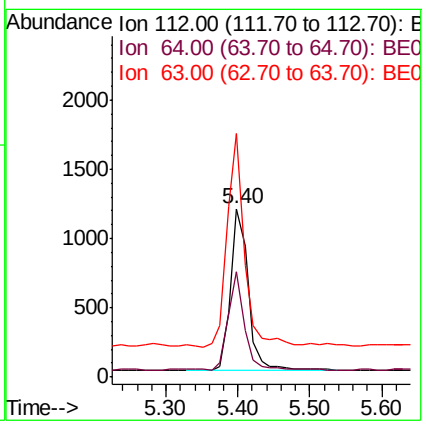


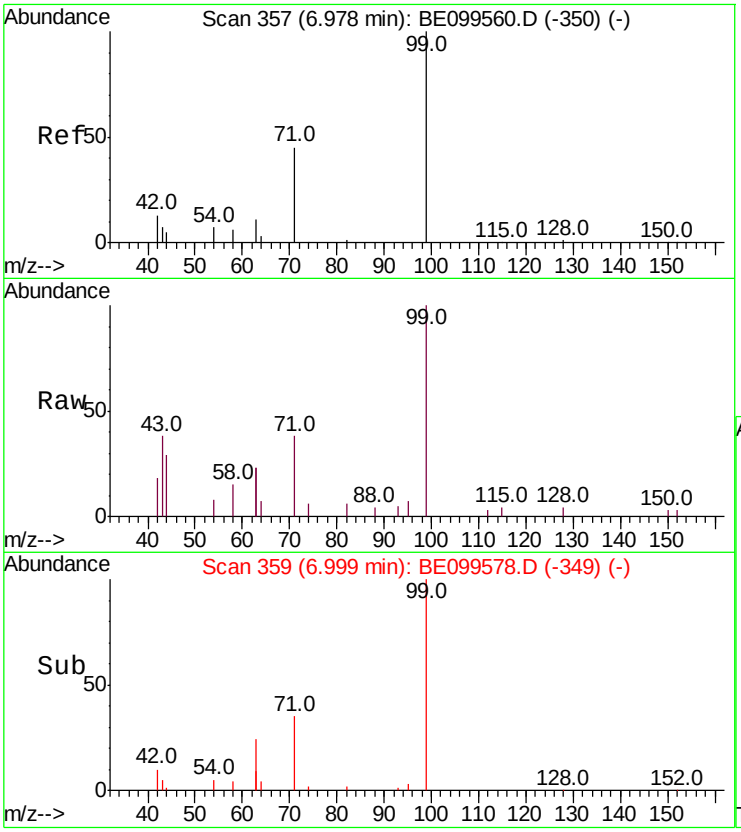


#4
2-Fluorophenol
Concen: 0.419 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:112 Resp: 2016

Ion	Ratio	Lower	Upper
112	100		
64	55.1	46.3	69.5
63	127.5	99.6	149.4



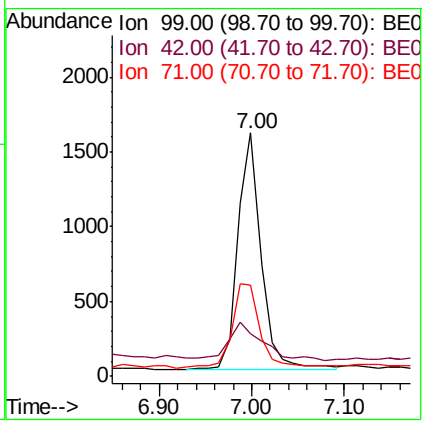


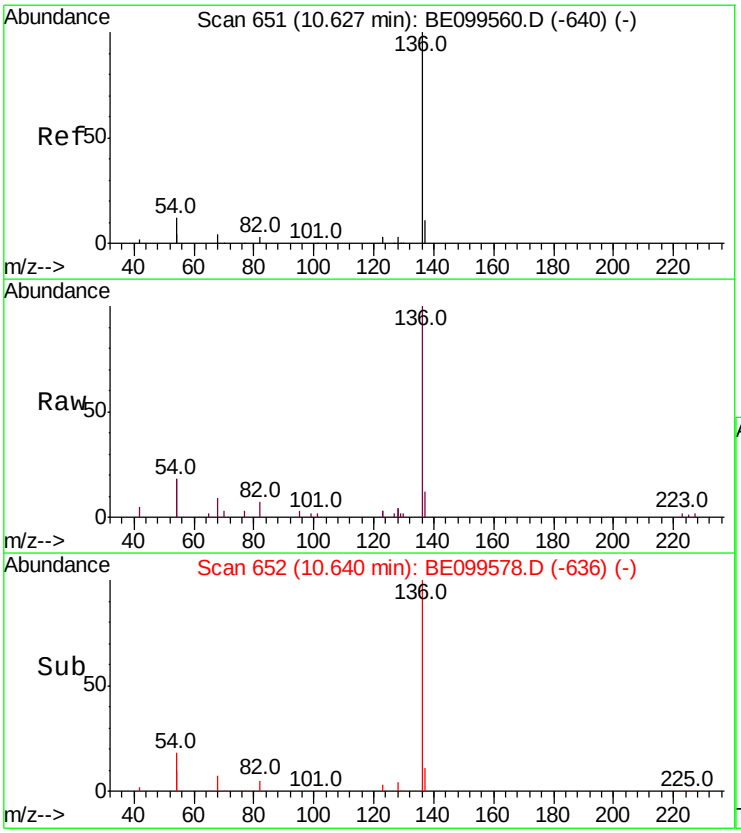
#5
Phenol-d6
Concen: 0.435 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.02 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion: 99 Resp: 2754

Ion	Ratio	Lower	Upper
99	100		
42	24.2	13.4	20.0#
71	42.7	34.2	51.2

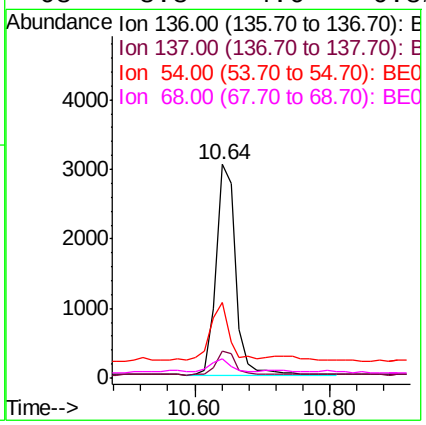


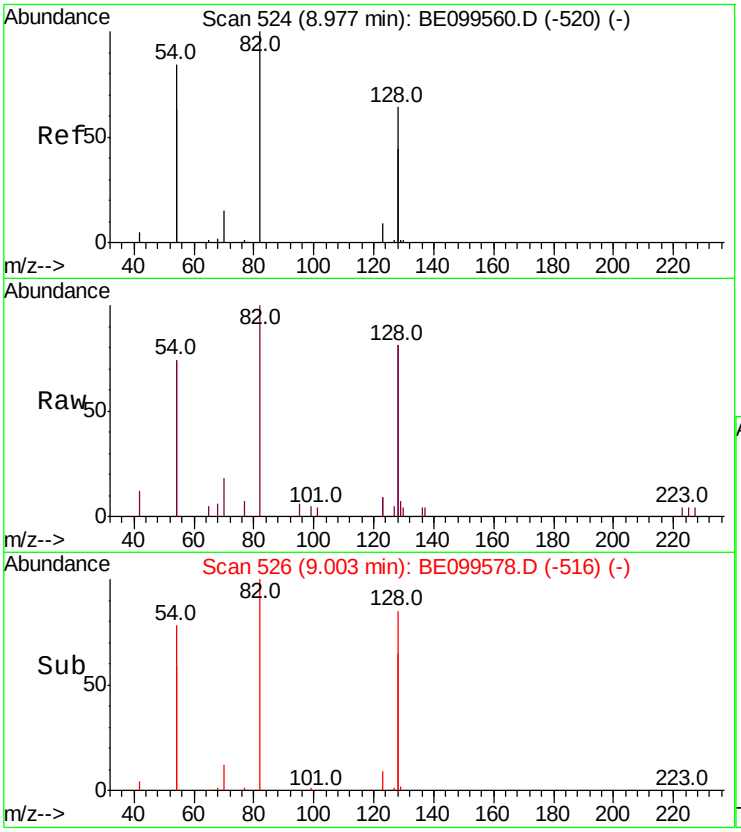


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.64 min Scan# 652
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:136 Resp: 6162

Ion	Ratio	Lower	Upper
136	100		
137	12.3	10.0	15.0
54	35.1	18.6	28.0#
68	8.8	4.6	6.8#



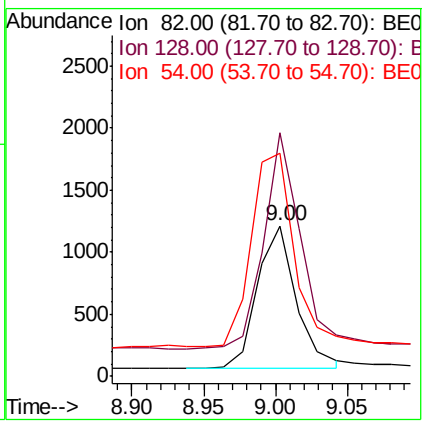


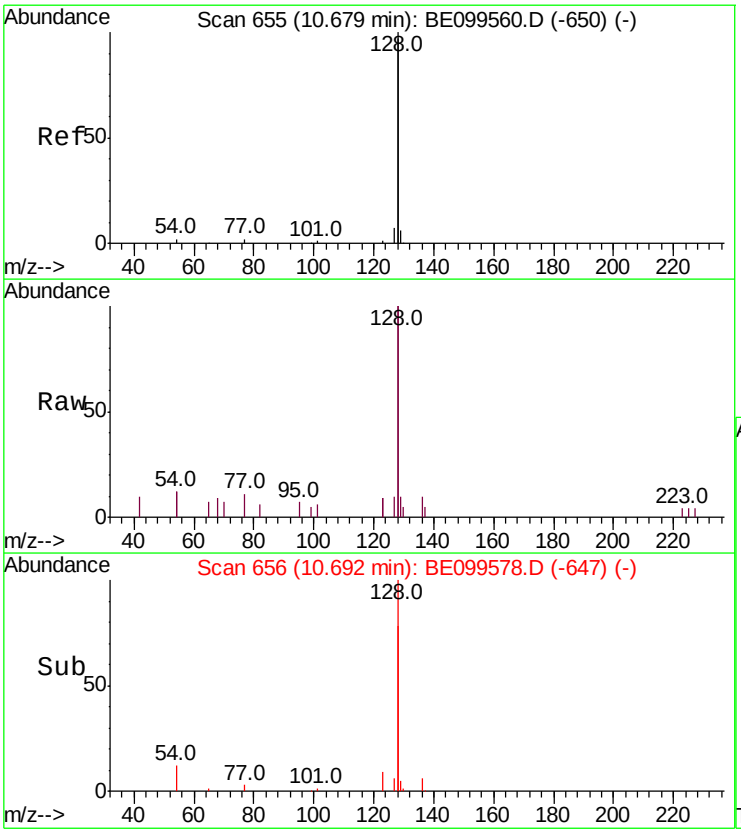
#8
Nitrobenzene-d5
Concen: 0.369 ng
RT: 9.00 min Scan# 526
Delta R.T. 0.03 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion: 82 Resp: 2191

Ion	Ratio	Lower	Upper
82	100		
128	161.5	97.6	146.4#
54	147.8	127.4	191.2

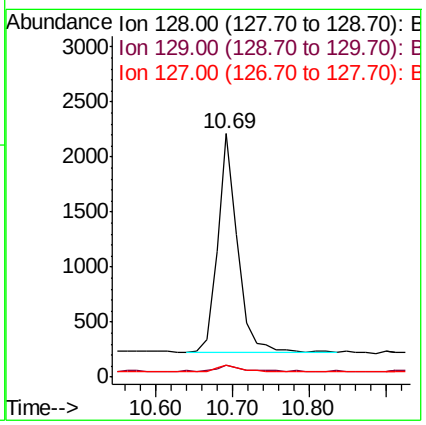


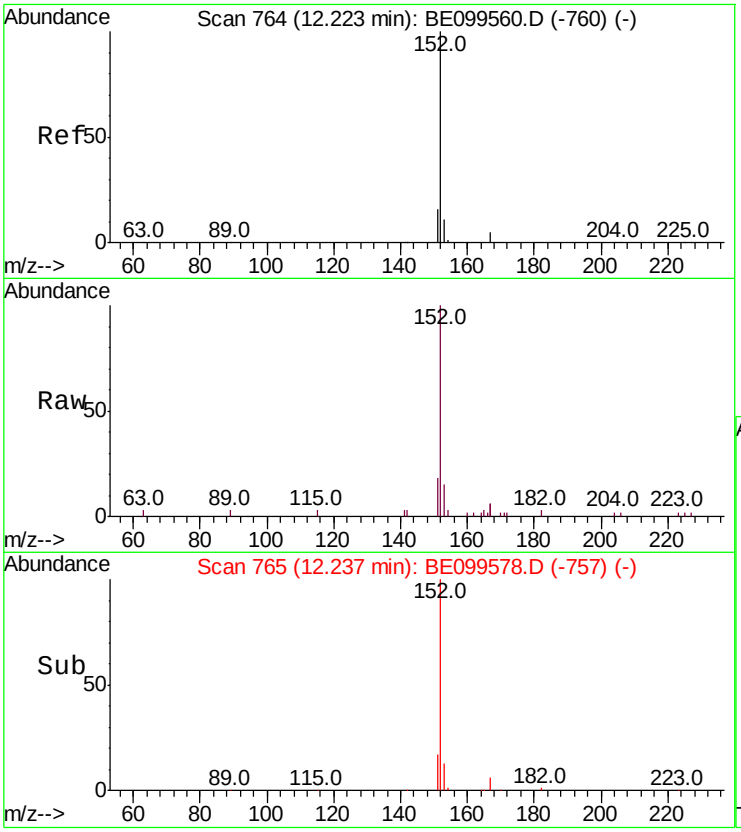


#9
Naphthalene
Concen: 0.055 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:128 Resp: 3598

Ion	Ratio	Lower	Upper
128	100		
129	5.2	2.6	3.8#
127	5.2	3.0	4.4#



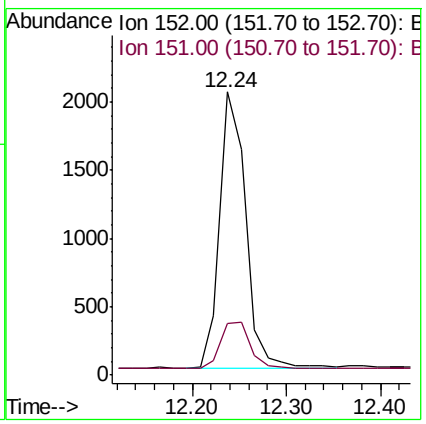


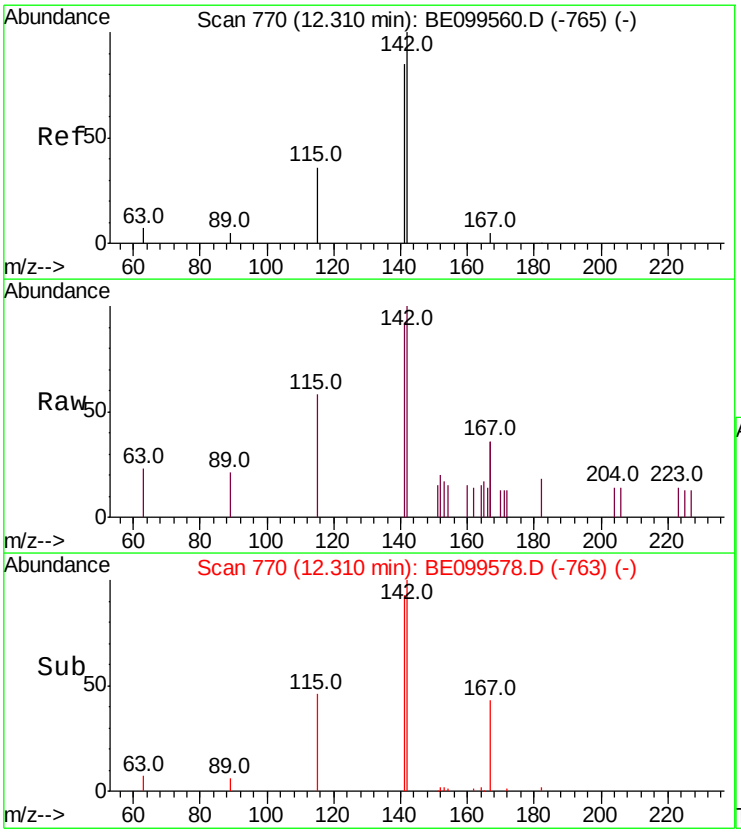
#11
2-Methylnaphthalene-d10
Concen: 0.361 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:152 Resp: 3874

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8

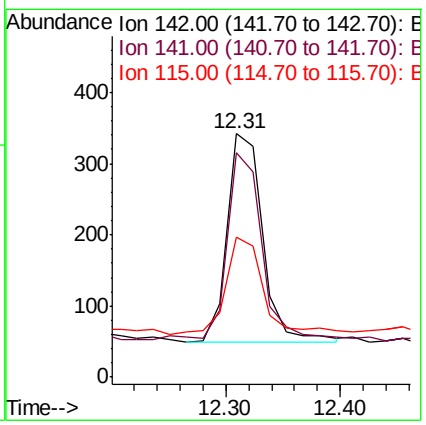


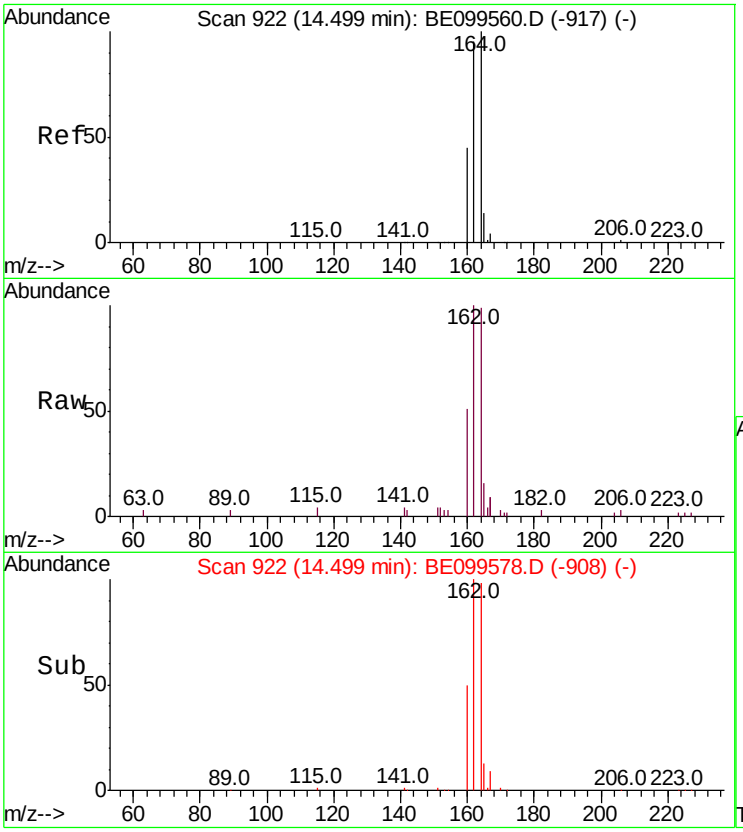


#12
2-Methylnaphthalene
Concen: 0.056 ng
RT: 12.31 min Scan# 770
Delta R.T. 0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:142 Resp: 623

Ion	Ratio	Lower	Upper
142	100		
141	92.4	68.1	102.1
115	57.6	30.8	46.2#



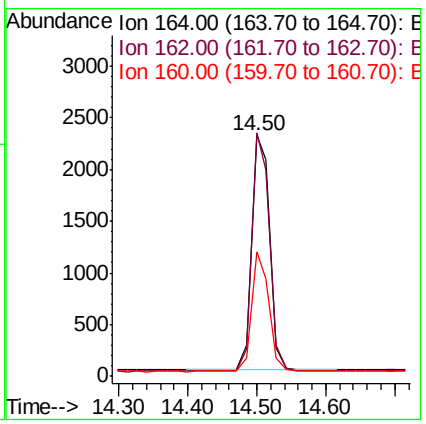


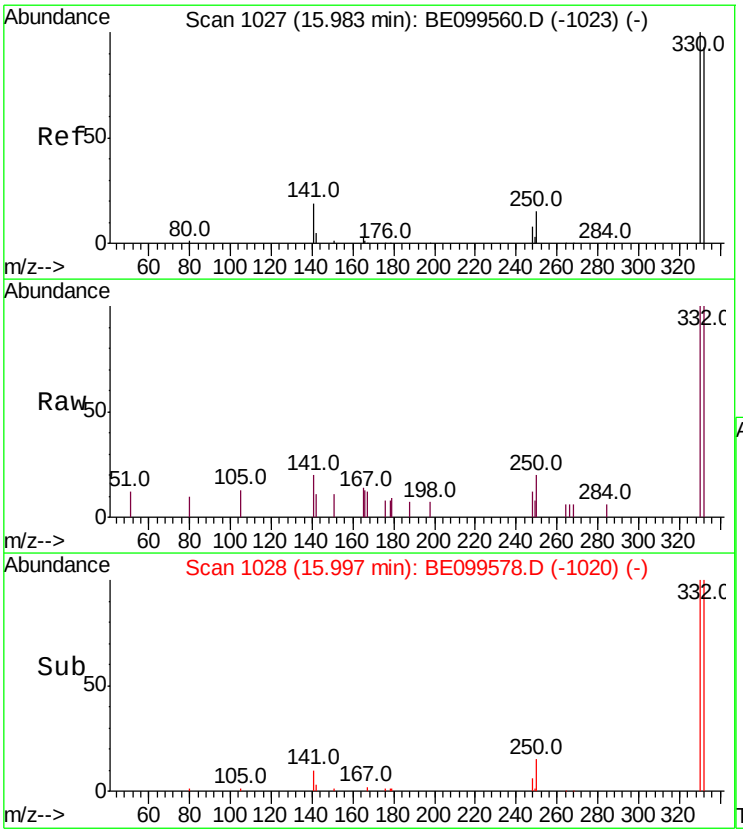
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:164 Resp: 4164

Ion	Ratio	Lower	Upper
164	100		
162	101.2	76.4	114.6
160	51.9	36.6	55.0

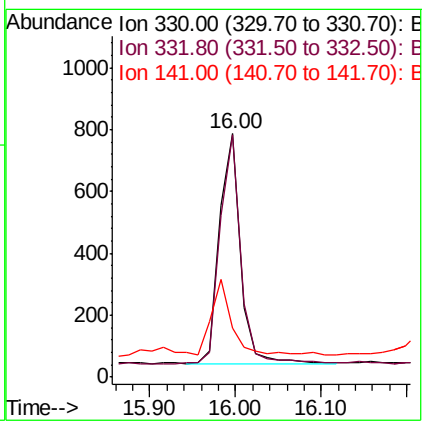


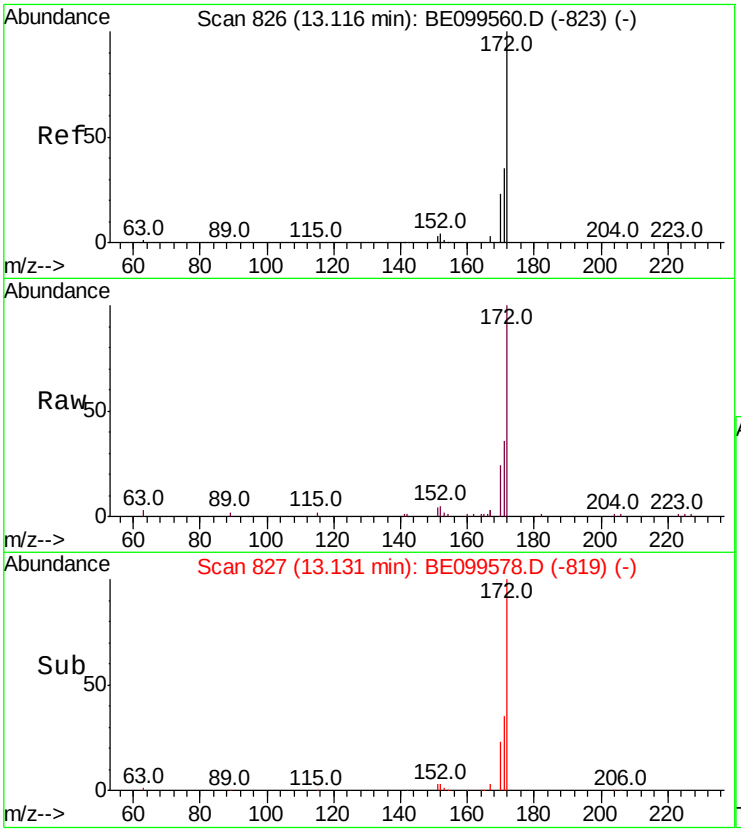


#14
2,4,6-Tribromophenol
Concen: 0.453 ng
RT: 16.00 min Scan# 1028
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:330 Resp: 1256

Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.7	116.5
141	30.6	26.1	39.1



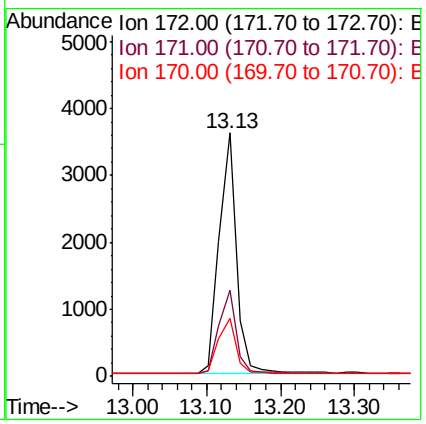


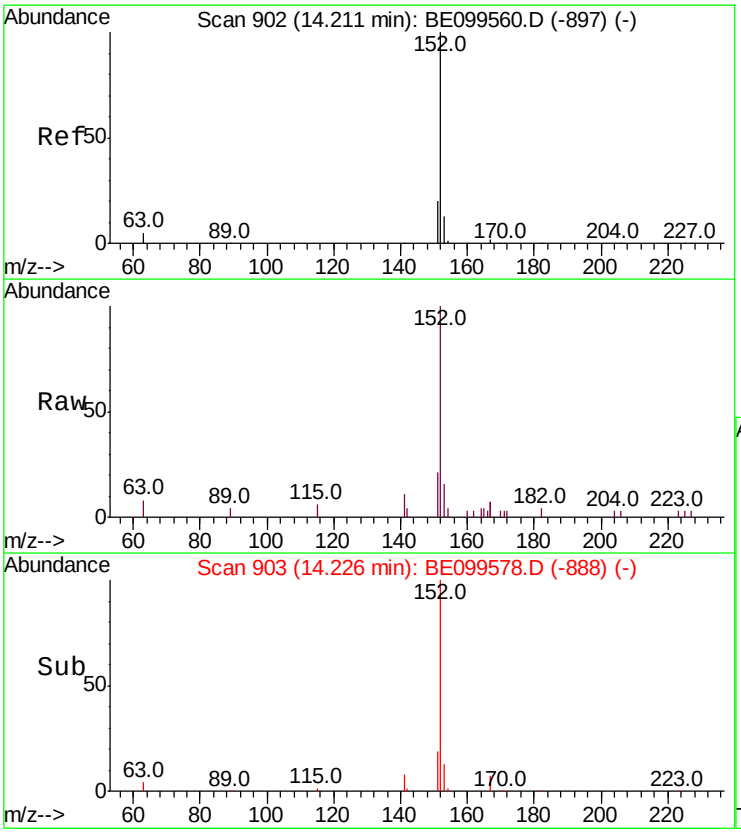
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 13.13 min Scan# 827
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:172 Resp: 5792

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.9	18.8	28.2

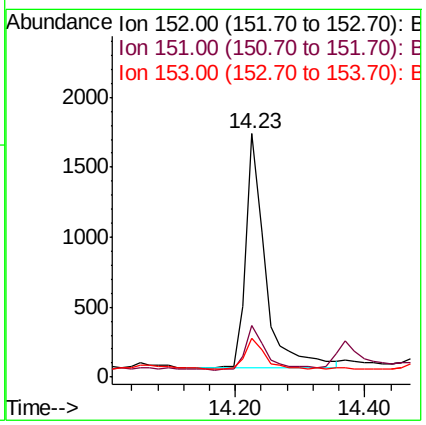


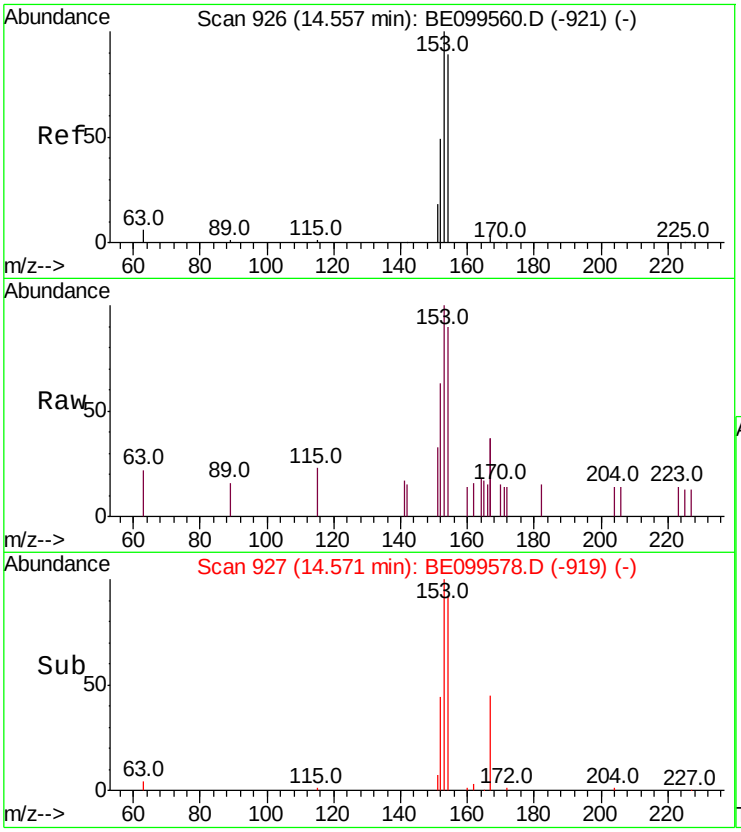


#16
Acenaphthylene
Concen: 0.174 ng
RT: 14.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:152 Resp: 3501

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	12.5	10.5	15.7



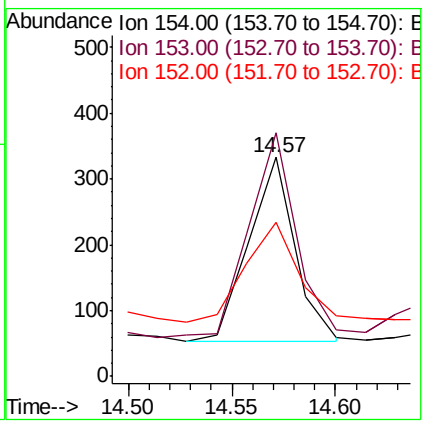


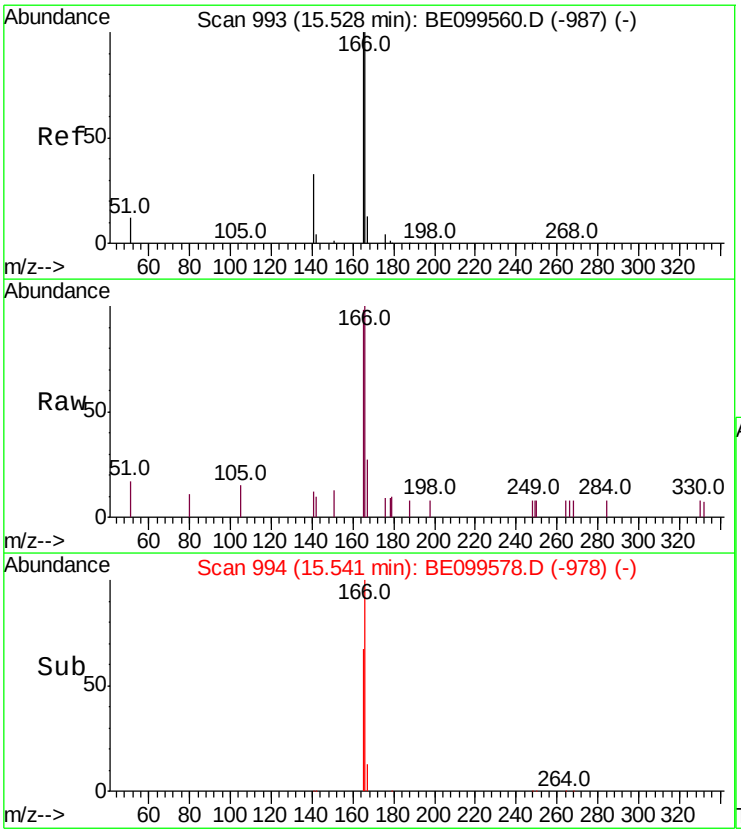
#17
Acenaphthene
Concen: 0.039 ng
RT: 14.57 min Scan# 927
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:154 Resp: 437

Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.7	134.5
152	61.8	43.9	65.9

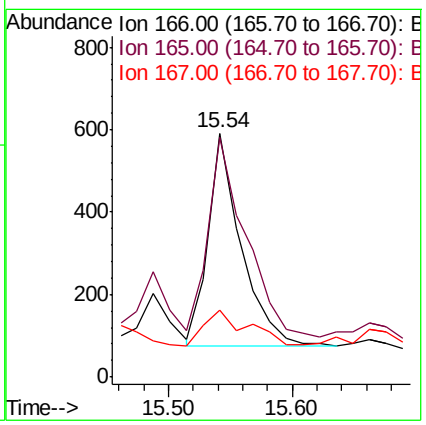


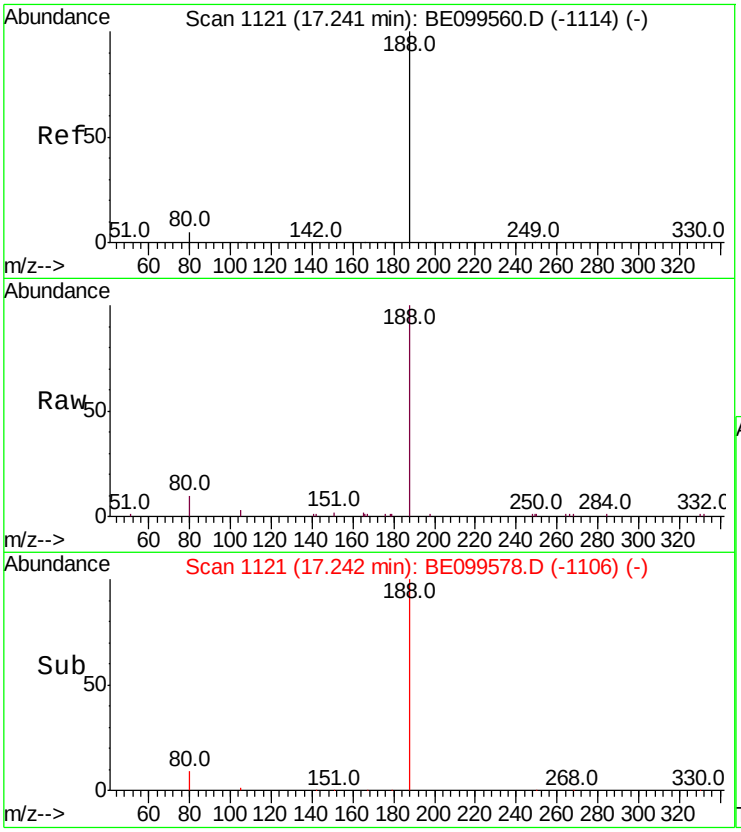


#18
Fluorene
Concen: 0.059 ng
RT: 15.54 min Scan# 994
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:166 Resp: 952

Ion	Ratio	Lower	Upper
166	100		
165	107.2	79.0	118.6
167	22.5	11.5	17.3#



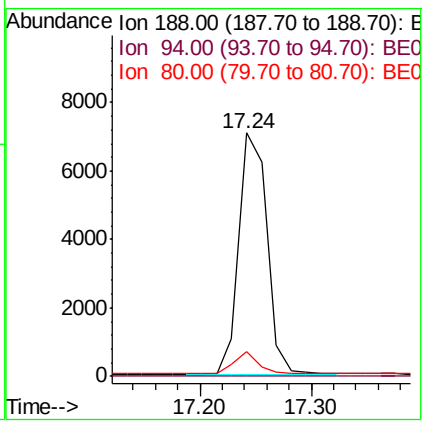


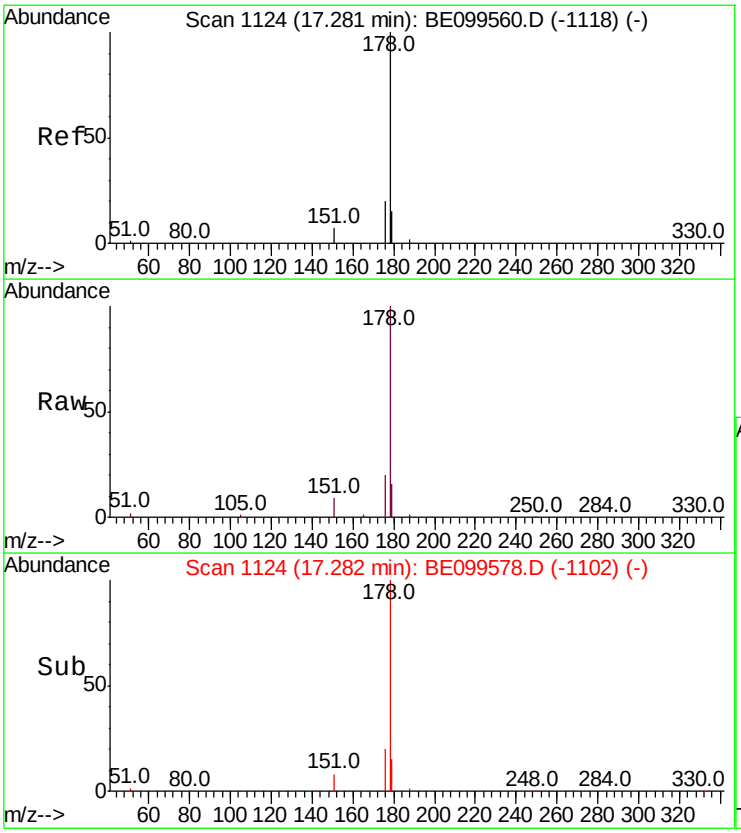
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:188 Resp: 12393

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.2	4.6	7.0#

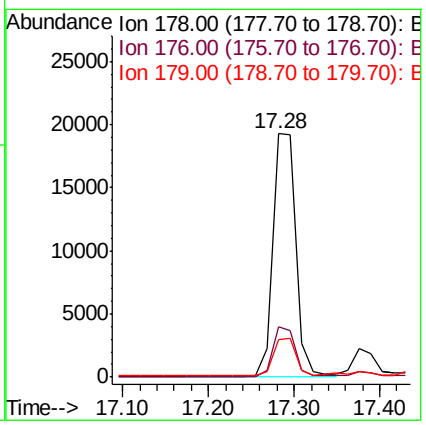


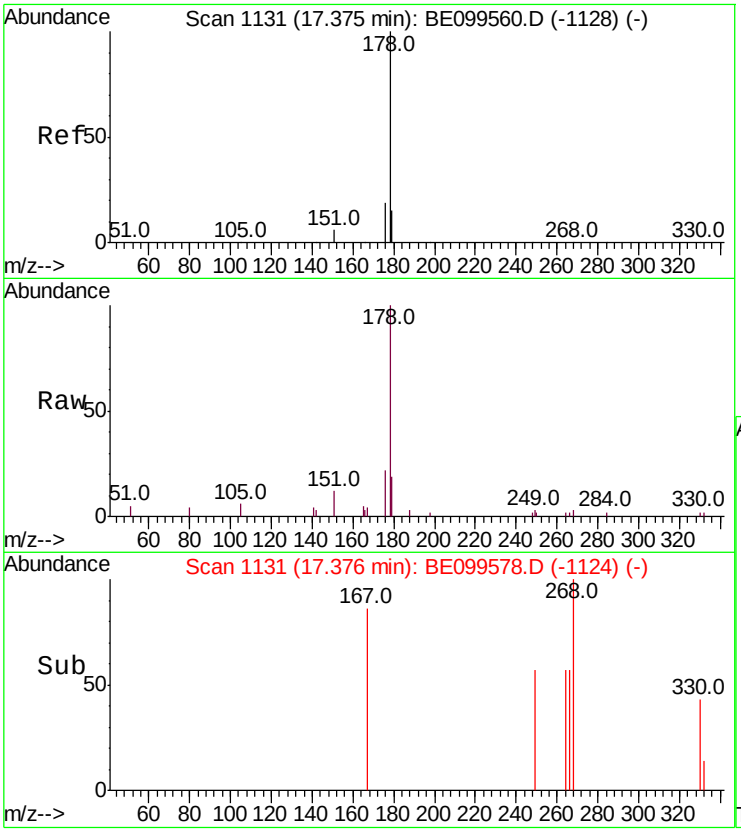


#23
Phenanthrene
Concen: 1.156 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:178 Resp: 35323

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.7	12.5	18.7



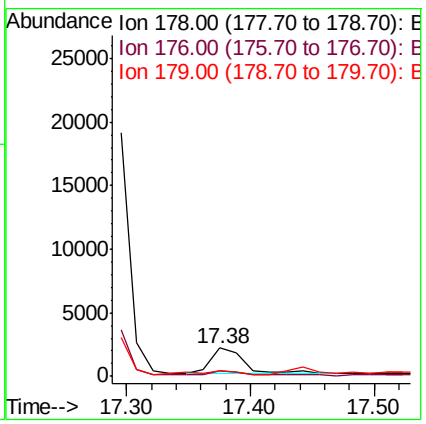


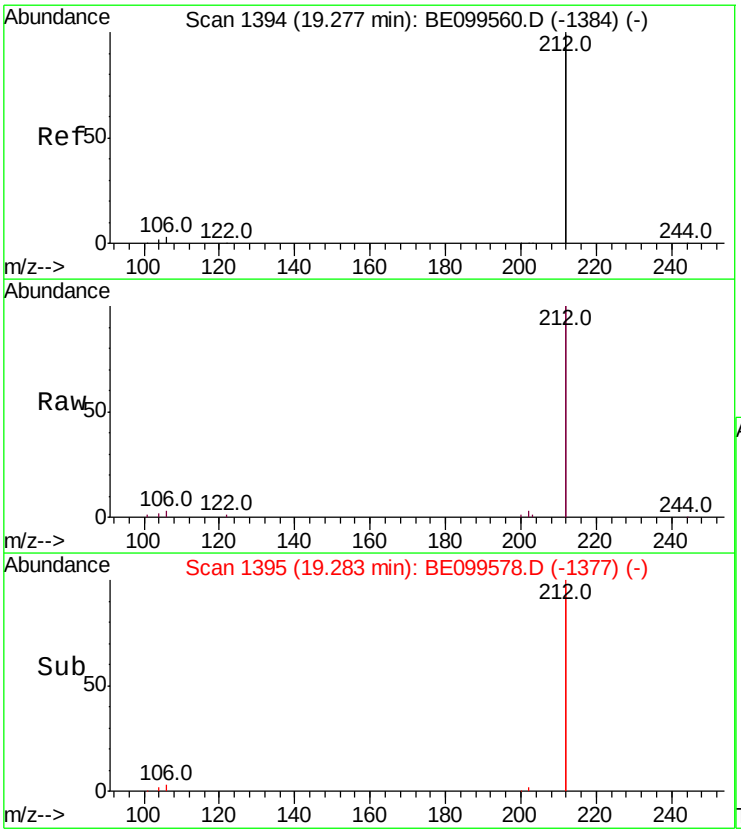
#24
Anthracene
Concen: 0.132 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:178 Resp: 3873

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.6	12.2	18.4

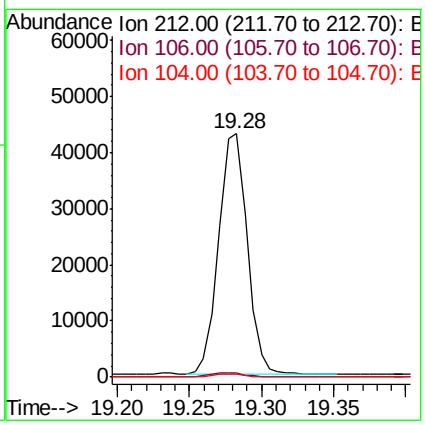


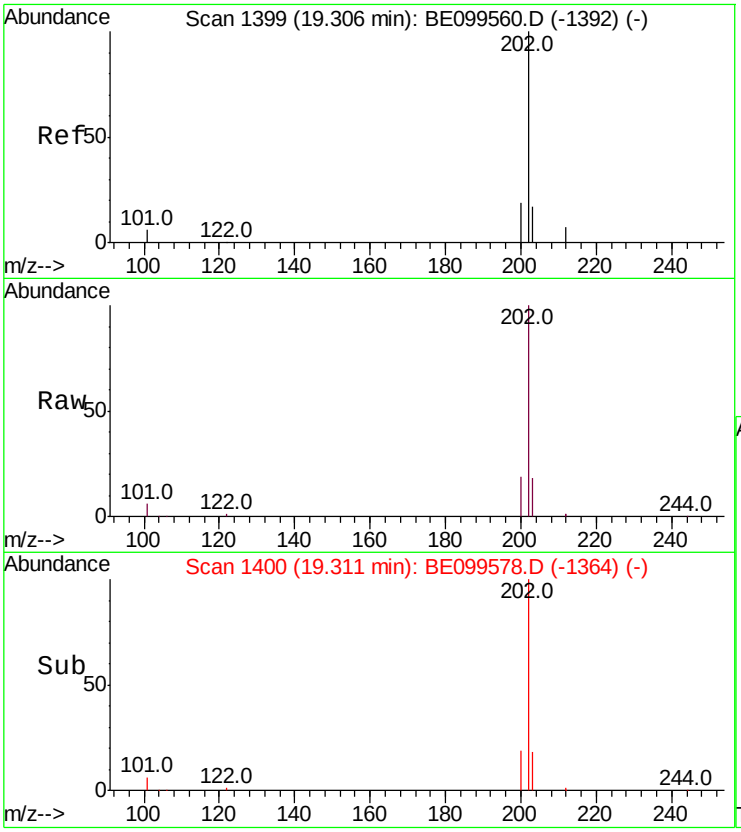


#25
Fluoranthene-d10
Concen: 0.351 ng
RT: 19.28 min Scan# 1395
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:212 Resp: 58581

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.0
104	1.0	0.8	1.2



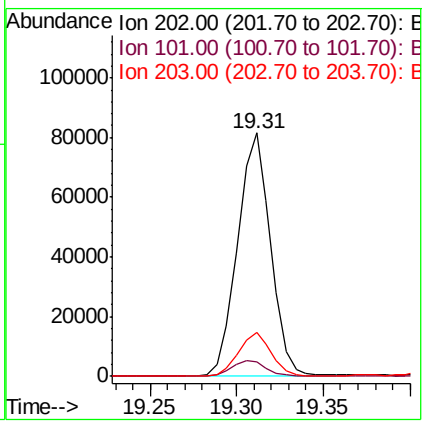


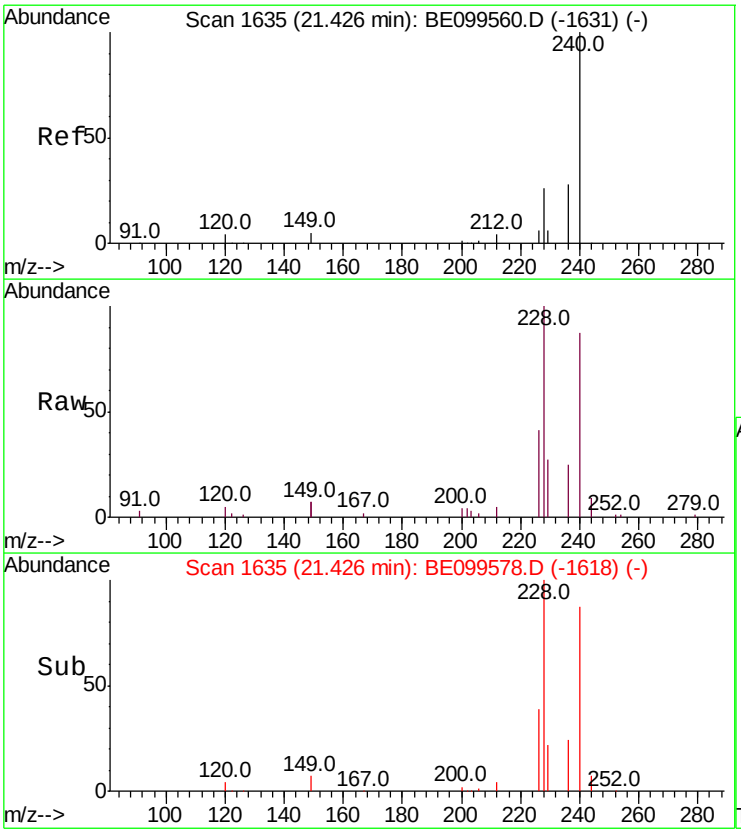
#26
Fluoranthene
Concen: 2.293 ng
RT: 19.31 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:202 Resp: 107882

Ion	Ratio	Lower	Upper
202	100		
101	6.5	5.3	7.9
203	17.6	13.4	20.2

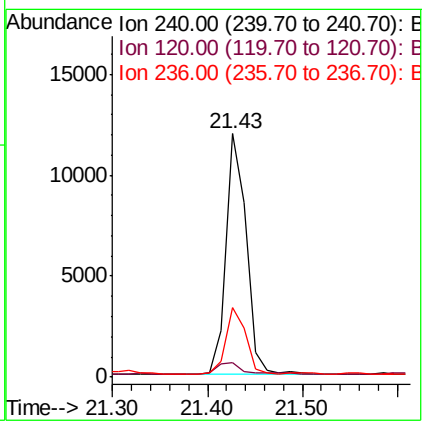


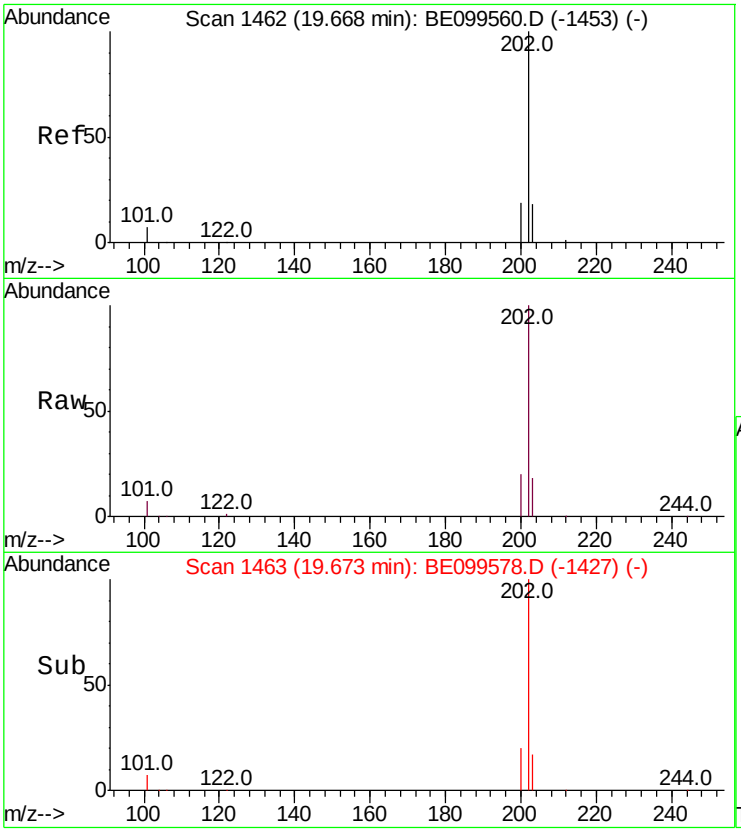


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:240 Resp: 17582

Ion	Ratio	Lower	Upper
240	100		
120	6.2	3.8	5.6#
236	28.4	22.5	33.7



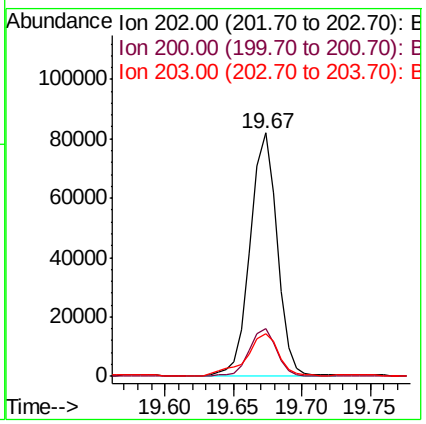


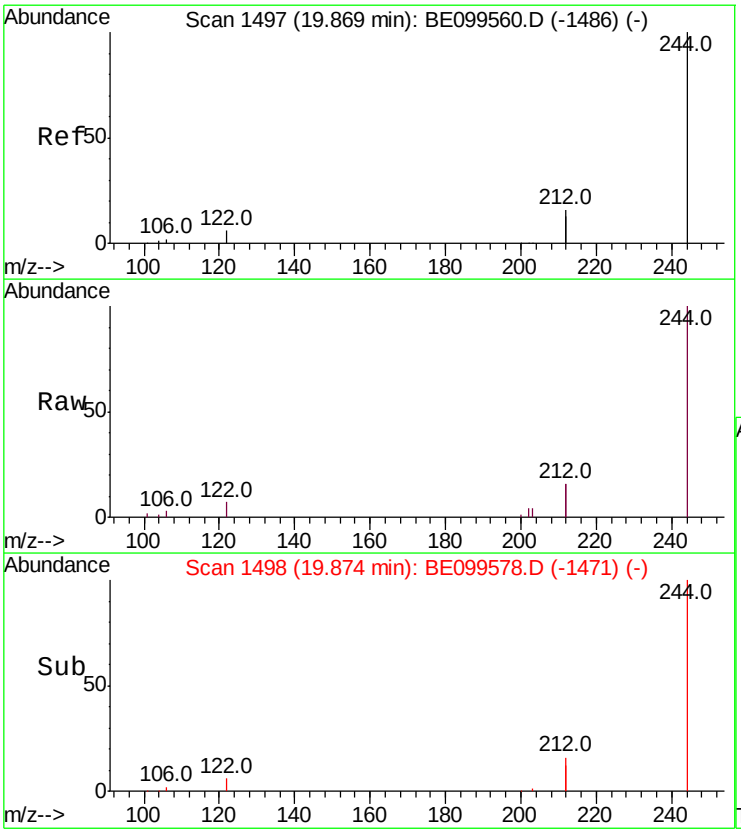
#28
Pyrene
Concen: 2.354 ng
RT: 19.67 min Scan# 1463
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:202 Resp: 110906

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.8	23.6
203	20.6	14.1	21.1

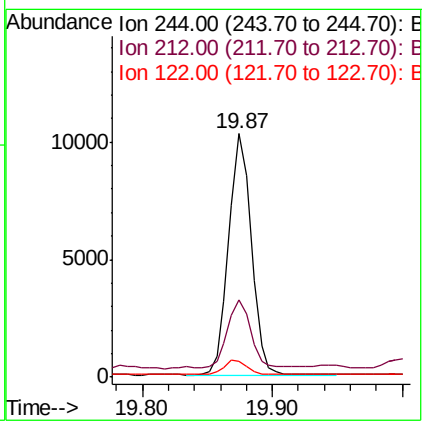


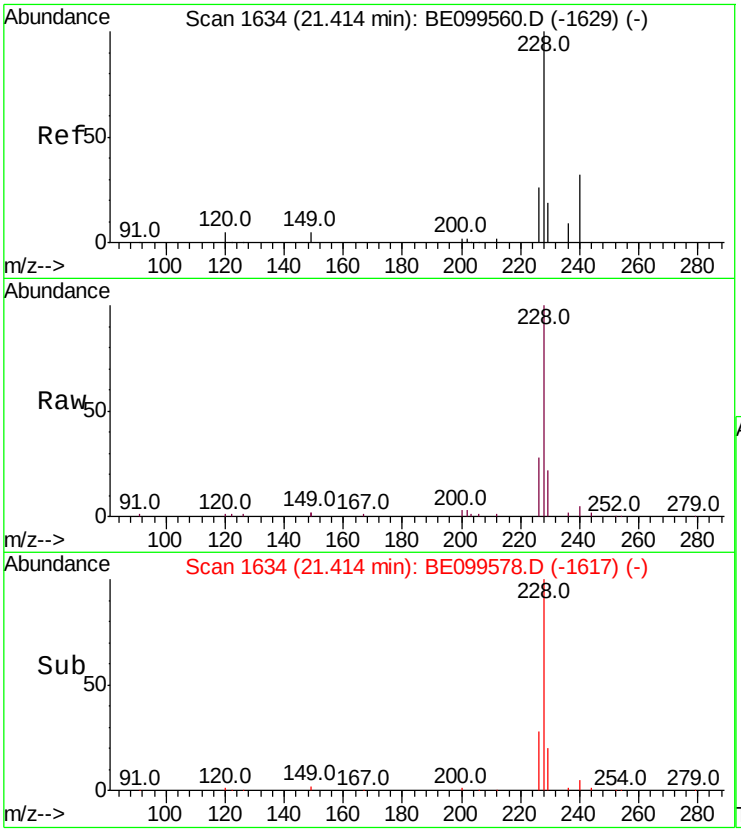


#29
Terphenyl-d14
Concen: 0.381 ng
RT: 19.87 min Scan# 1498
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:244 Resp: 12416

Ion	Ratio	Lower	Upper
244	100		
212	31.9	24.6	37.0
122	6.7	5.0	7.6



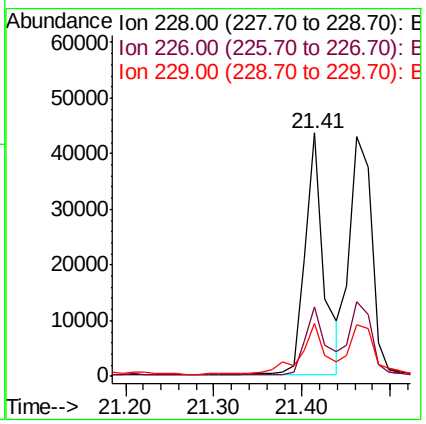


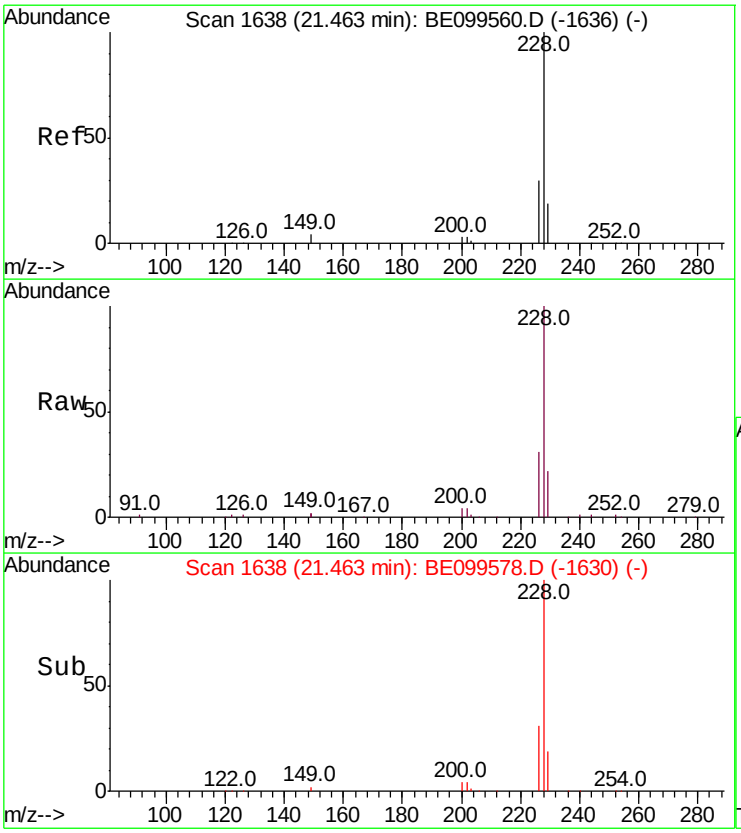
#30
Benzo(a)anthracene
Concen: 1.216 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:228 Resp: 66224

Ion	Ratio	Lower	Upper
228	100		
226	28.5	20.9	31.3
229	21.8	16.1	24.1

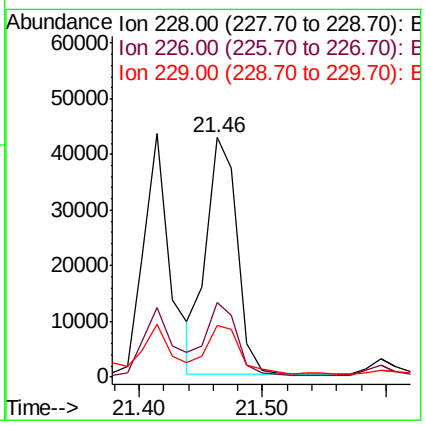


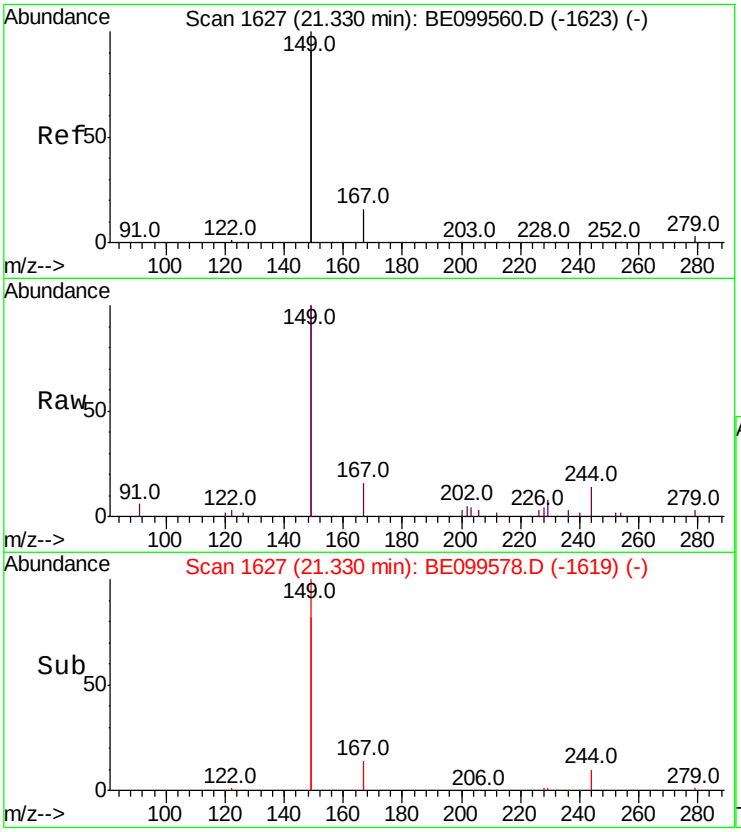


#31
Chrysene
Concen: 1.385 ng
RT: 21.46 min Scan# 1638
Delta R.T. 0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:228 Resp: 74426

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.2	36.4
229	21.6	15.8	23.6



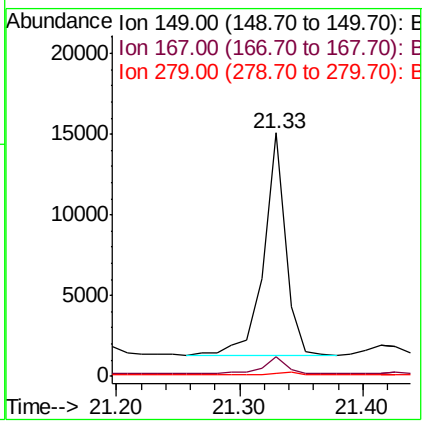


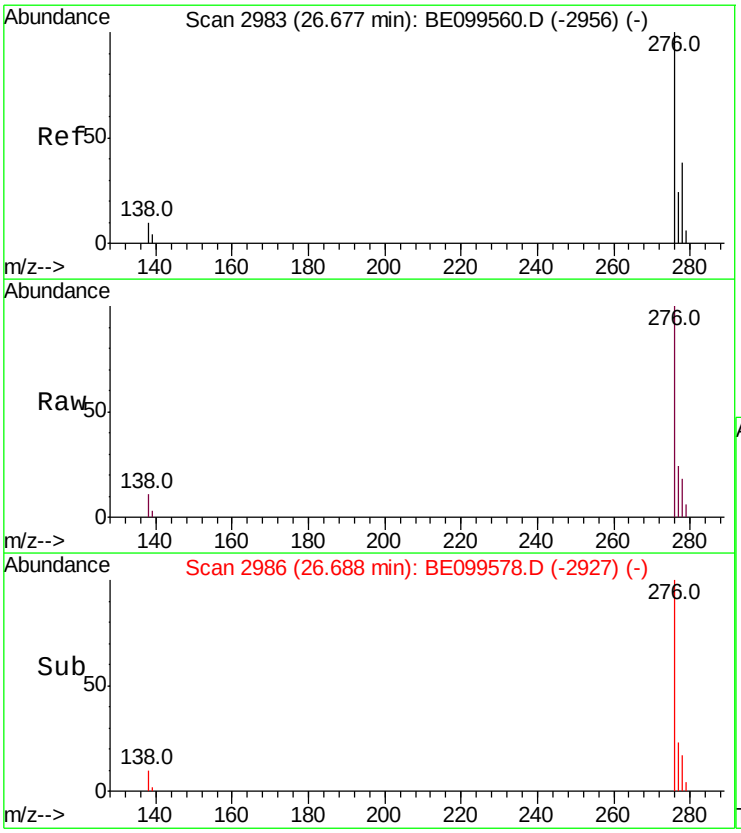
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.197 ng
RT: 21.33 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:149 Resp: 17007

Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.1	9.1
279	1.6	1.3	1.9

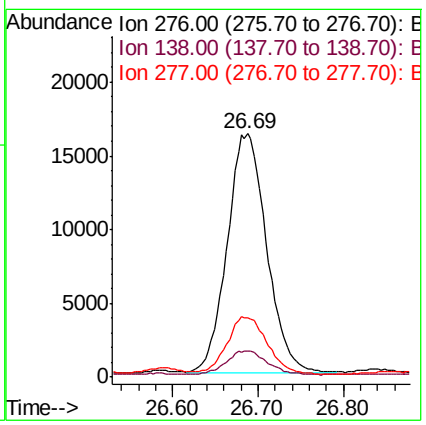


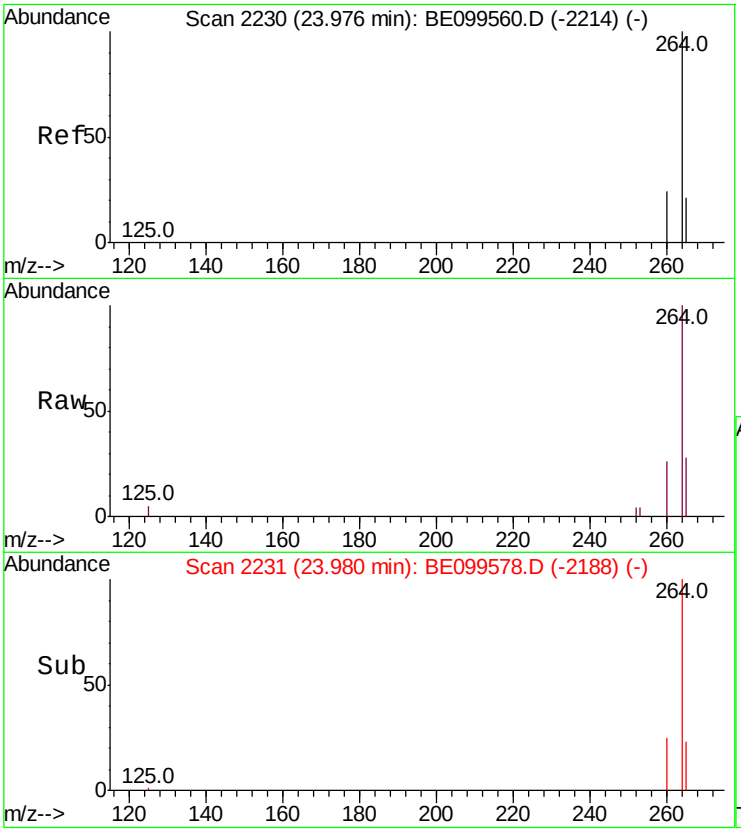


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.815 ng
RT: 26.69 min Scan# 2986
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:276 Resp: 52007

Ion	Ratio	Lower	Upper
276	100		
138	10.7	9.5	14.3
277	24.7	19.7	29.5



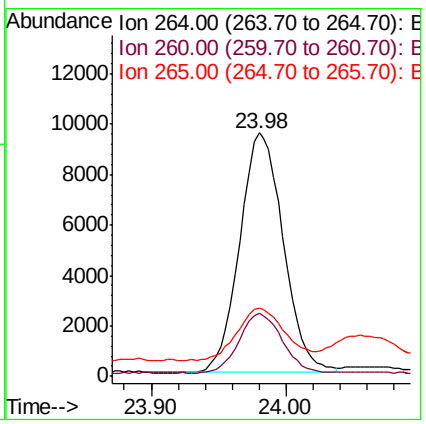


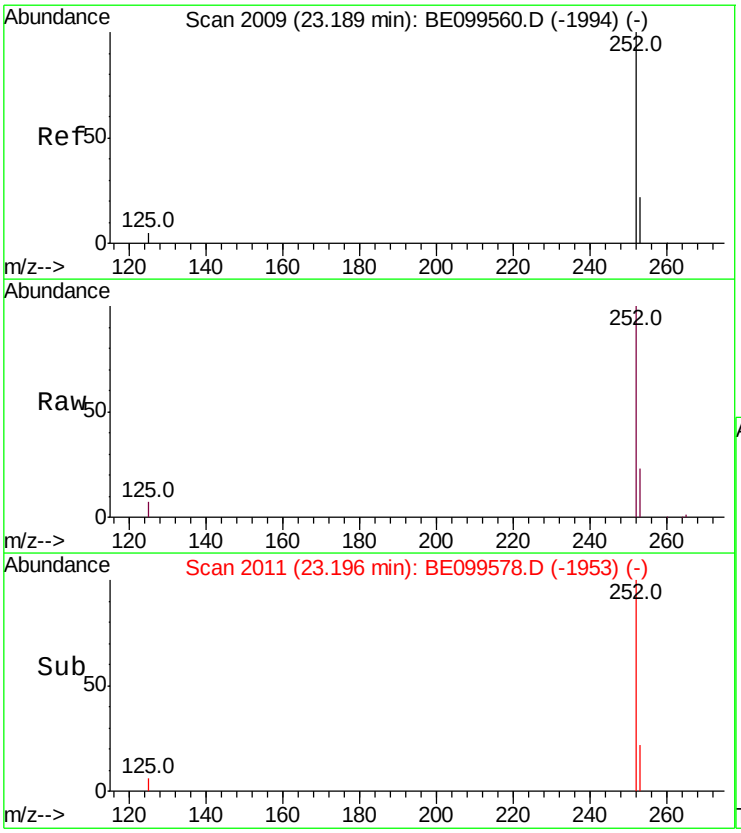
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.98 min Scan# 2231
Delta R.T. 0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:264 Resp: 21378

Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.9	29.9
265	28.2	22.2	33.2

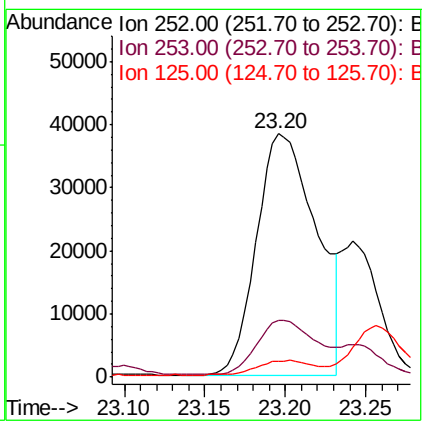


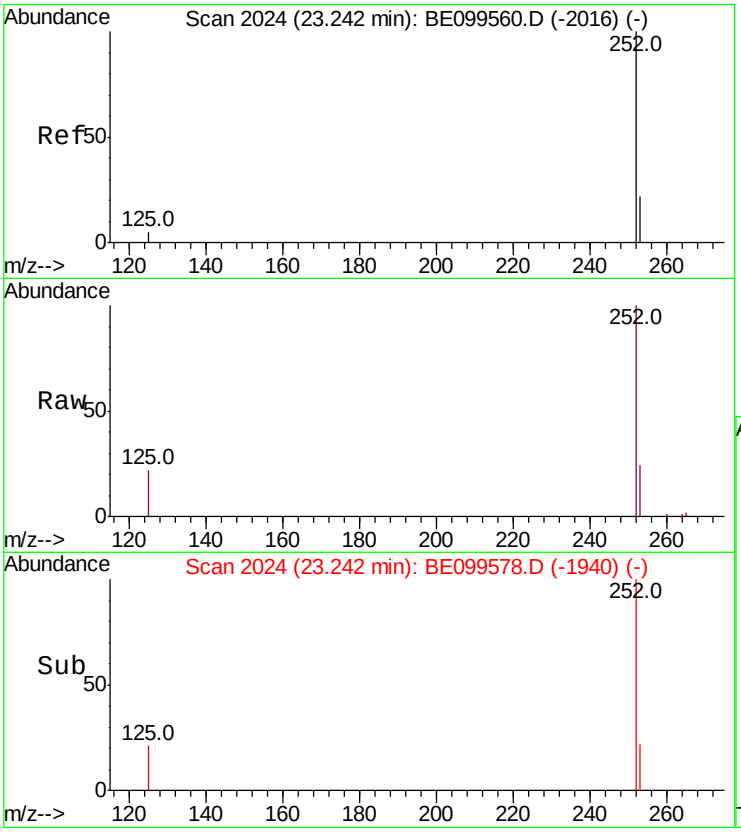


#35
Benzo(b)fluoranthene
Concen: 1.684 ng
RT: 23.20 min Scan# 2011
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:252 Resp: 99279

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.0	28.4
125	6.5	5.8	8.6



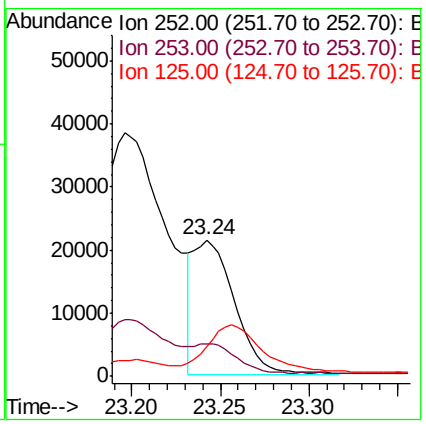


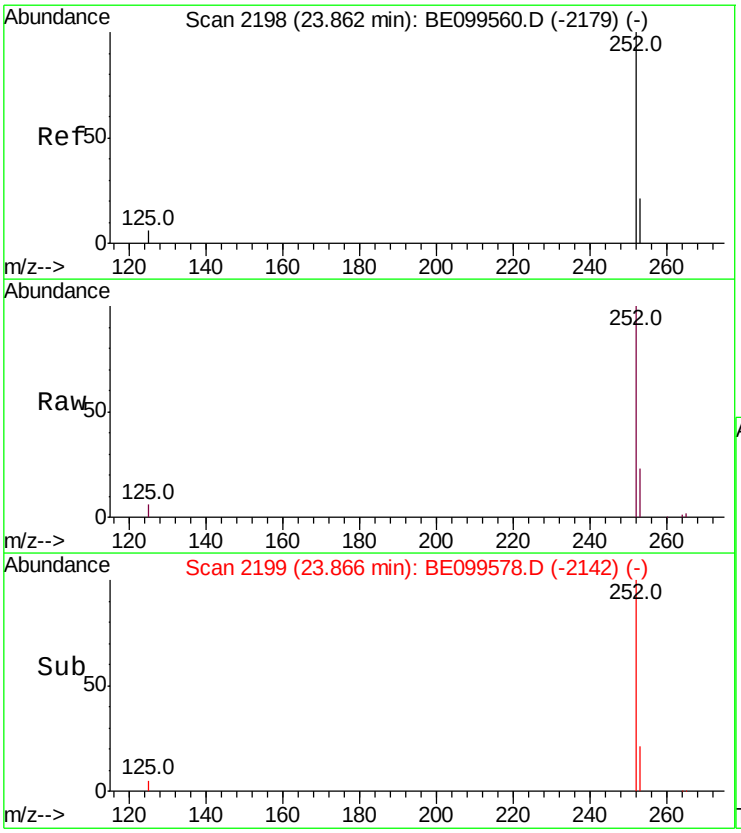
#36
Benzo(k)fluoranthene
Concen: 0.604 ng m
RT: 23.24 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:252 Resp: 35030

Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.1	28.7
125	22.0	5.8	8.6#

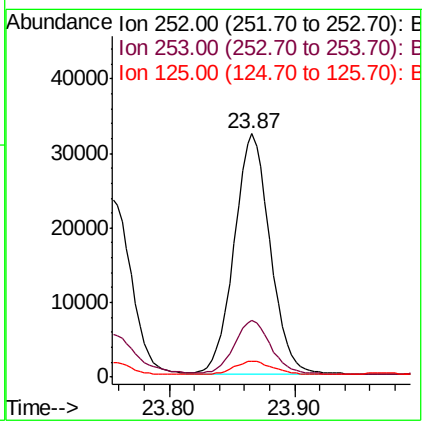


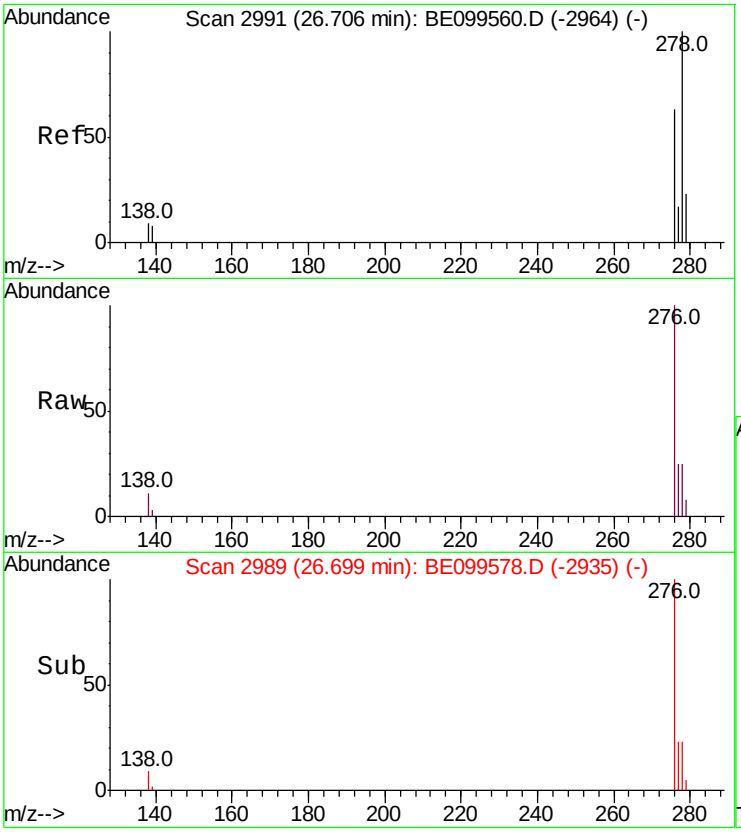


#37
Benzo(a)pyrene
Concen: 1.151 ng m
RT: 23.87 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:252 Resp: 65432

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.9	28.3
125	6.4	6.6	9.8#



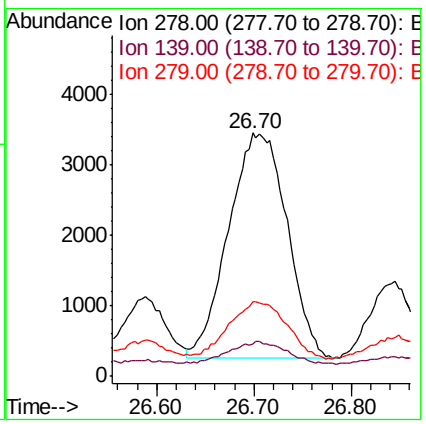


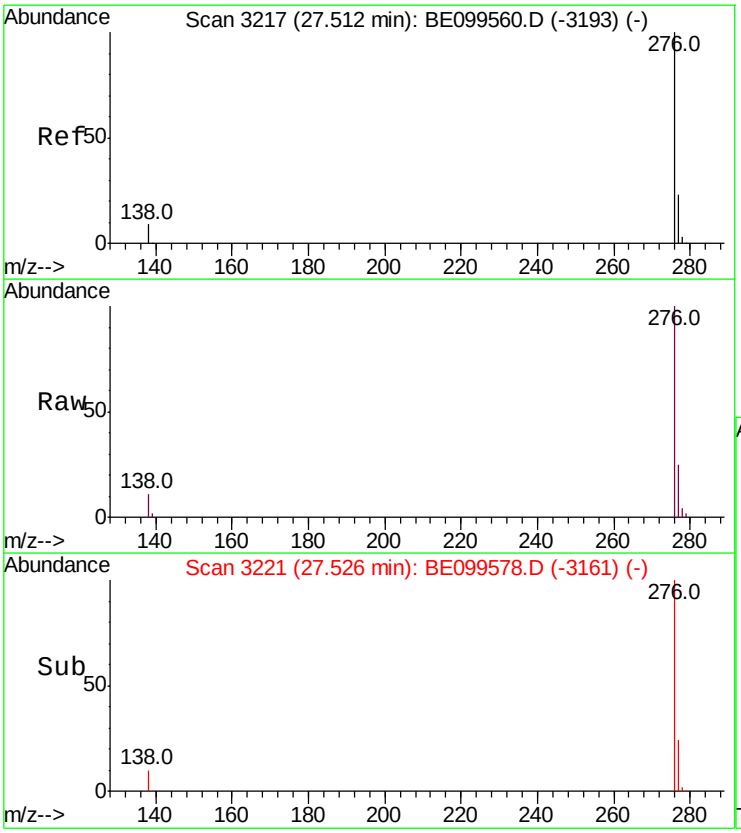
#38
Dibenzo(a,h)anthracene
Concen: 0.227 ng
RT: 26.70 min Scan# 2989
Delta R.T. -0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Instrument :
BNA_E
ClientSampleId :
PST-004-SW022-042319

Tgt Ion:278 Resp: 13339

Ion	Ratio	Lower	Upper
278	100		
139	13.1	7.7	11.5#
279	30.7	21.0	31.4





#39
Benzo(g,h,i)perylene
Concen: 0.892 ng
RT: 27.53 min Scan# 3221
Delta R.T. 0.01 min
Lab File: BE099578.D
Acq: 8 May 2019 17:00

Tgt Ion:276 Resp: 52514

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.7	29.5
138	11.4	8.6	12.8