Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050919\
Data File : BE099586.D
Acq On : 9 May 2019 11:44
Operator : JU/SJ
Sample : SSTDICC1.6
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC1.6

Quant Time: May 09 12:38:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE050919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 09 11:50:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1475	0.40	ng		0.00
7) Naphthalene-d8	10.63	136	5321	0.40	ng		0.00
13) Acenaphthene-d10	14.50	164	3562	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	9906	0.40	ng		0.00
27) Chrysene-d12	21.43	240	15047	0.40	ng		0.00
34) Perylene-d12	23.97	264	16035	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	6624	1.62	ng		0.00
5) Phenol-d6	6.98	99	8831	1.64	ng		0.00
8) Nitrobenzene-d5	8.98	82	8550	1.67	ng		0.00
11) 2-Methylnaphthalene-d10	12.22	152	14524	1.57	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	3545	1.49	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	22427	1.66	ng		0.00
25) Fluoranthene-d10	19.27	212	212794	1.60	ng		0.00
29) Terphenyl-d14	19.87	244	42991	1.54	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	3380	1.622	ng		92
3) n-Nitrosodimethylamine	3.62	42	2138	1.551	ng		99
6) bis(2-Chloroethyl)ether	7.24	93	7235	1.614	ng		98
9) Naphthalene	10.67	128	92816	1.647	ng		99
10) Hexachlorobutadiene	10.95	225	6587	1.609	ng		100
12) 2-Methylnaphthalene	12.29	142	15179	1.589	ng		98
16) Acenaphthylene	14.21	152	28287	1.646	ng		99
17) Acenaphthene	14.56	154	15755	1.641	ng		99
18) Fluorene	15.53	166	22489	1.640	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	9186	1.632	ng		98
21) Hexachlorobenzene	16.53	284	9025	1.612	ng		99
22) Pentachlorophenol	16.89	266	3619	1.571	ng		95
23) Phenanthrene	17.28	178	40156	1.645	ng		99
24) Anthracene	17.38	178	38264	1.630	ng		100
26) Fluoranthene	19.30	202	60894	1.620	ng		100
28) Pyrene	19.67	202	62955	1.562	ng		100
30) Benzo(a)anthracene	21.40	228	74543	1.599	ng		98
31) Chrysene	21.46	228	71904	1.563	ng		100
32) Bis(2-ethylhexyl)phthalate	21.32	149	98632	1.335	ng		100
33) Indeno(1,2,3-cd)pyrene	26.67	276	89627	1.641	ng	#	93
35) Benzo(b)fluoranthene	23.18	252	72133	1.631	ng	#	97
36) Benzo(k)fluoranthene	23.23	252	71402	1.640	ng		97
37) Benzo(a)pyrene	23.85	252	69778	1.636	ng	#	96
38) Dibenzo(a,h)anthracene	26.69	278	73644	1.669	ng		98
39) Benzo(g,h,i)perylene	27.50	276	74321	1.682	ng		98

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

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Acq On : 9 May 2019 11:44
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Misc :
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Instrument :
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Quant Time: May 09 12:38:32 2019
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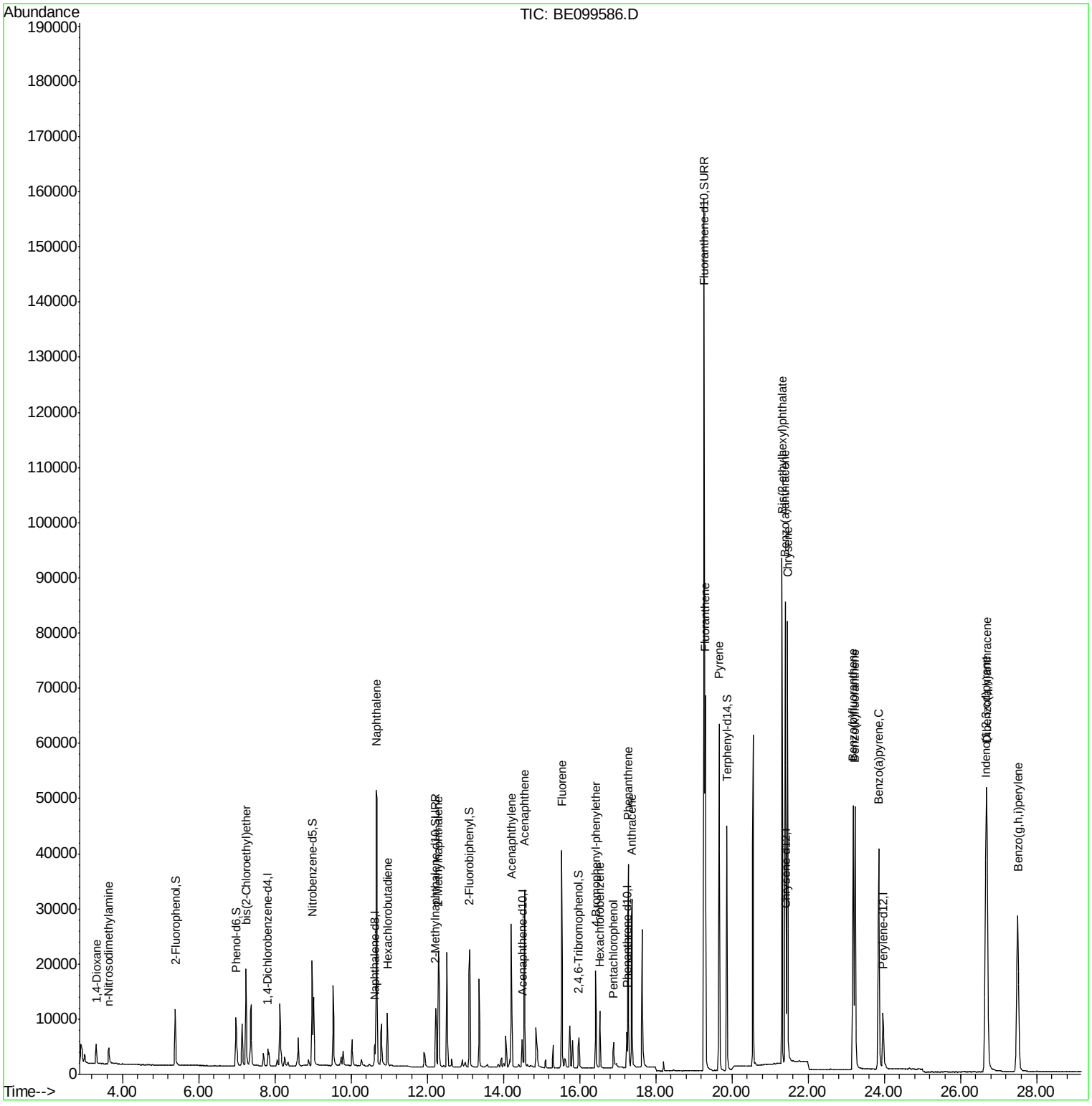
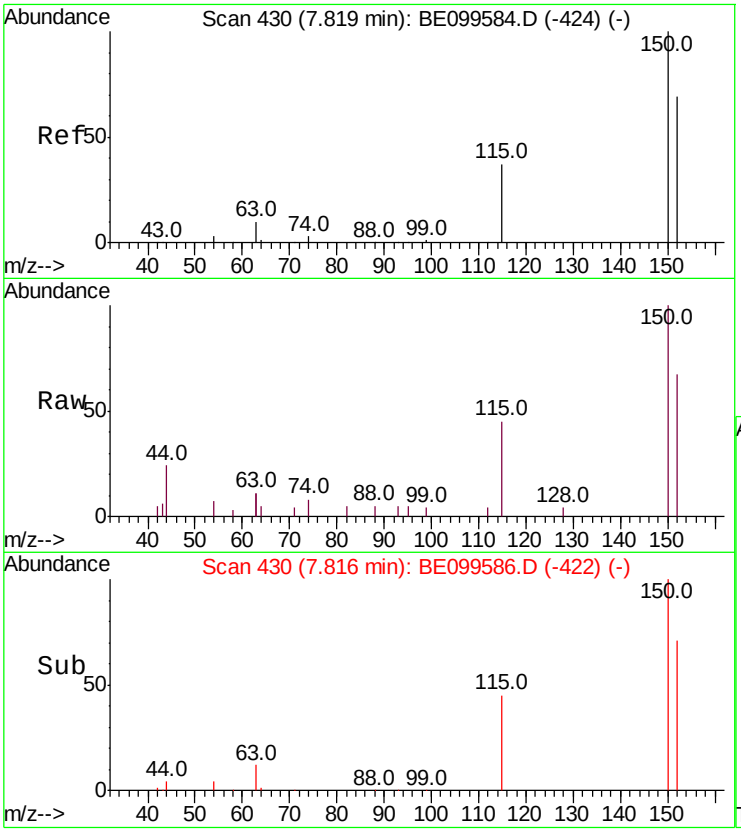
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 09 11:50:46 2019
Response via : Initial Calibration



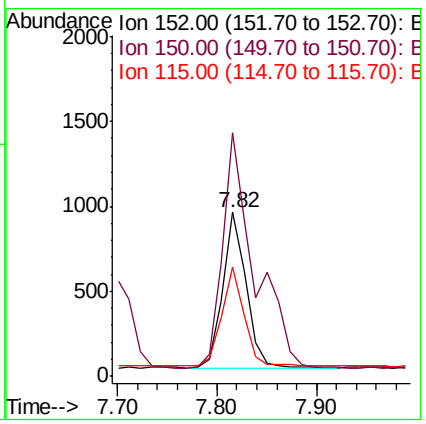


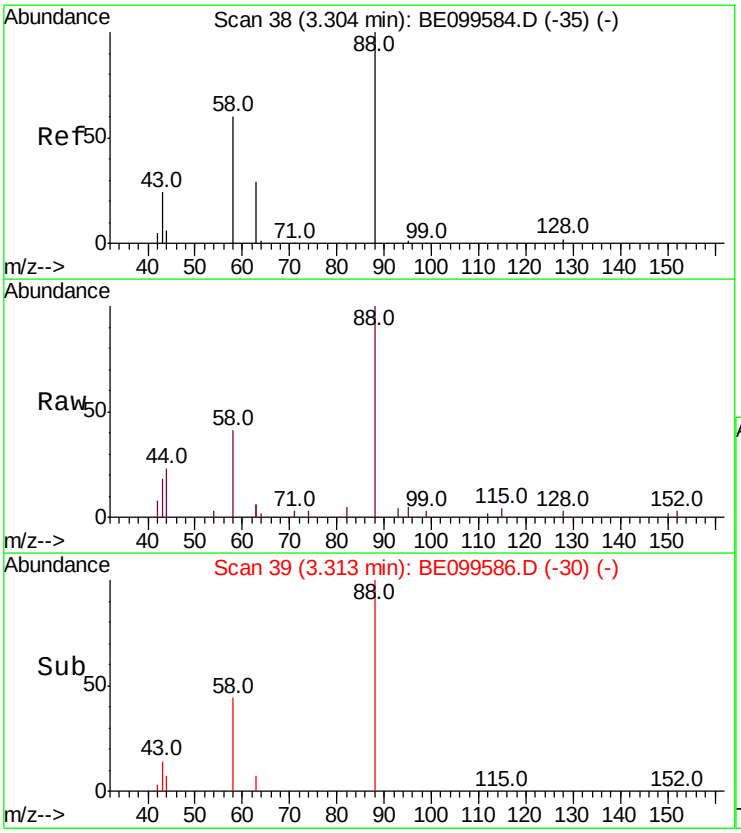
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 1475

Ion	Ratio	Lower	Upper
152	100		
150	148.5	114.2	171.4
115	66.7	45.4	68.0

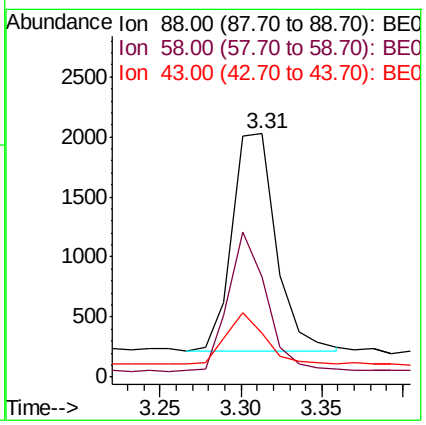


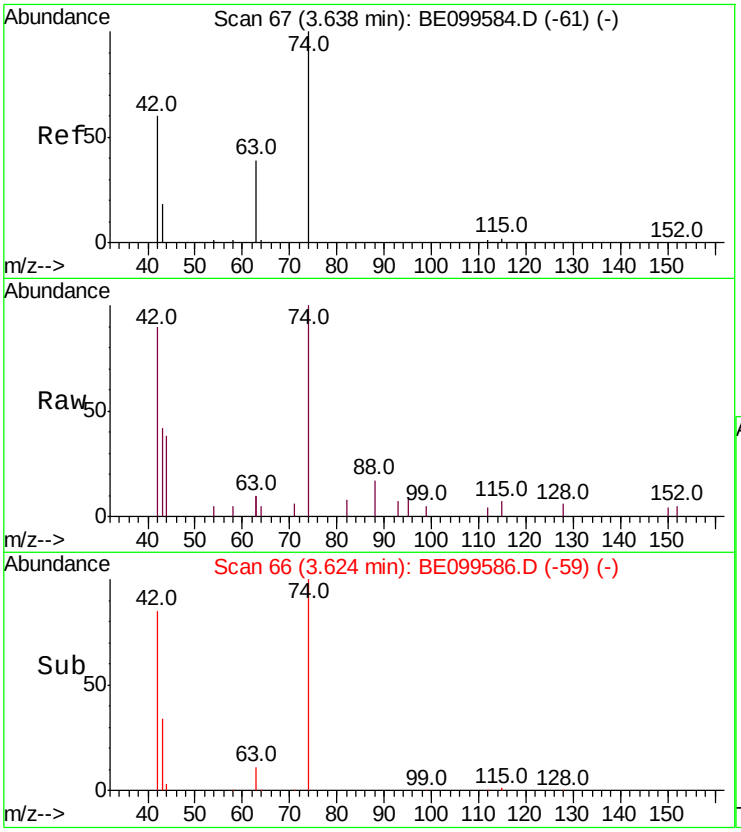


#2
1,4-Dioxane
Concen: 1.622 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.01 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion: 88 Resp: 3380

Ion	Ratio	Lower	Upper
88	100		
58	56.1	41.3	61.9
43	21.3	21.0	31.6



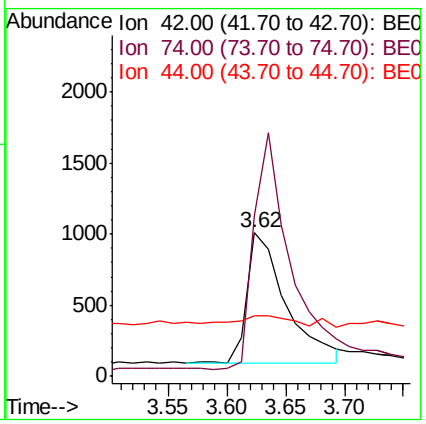


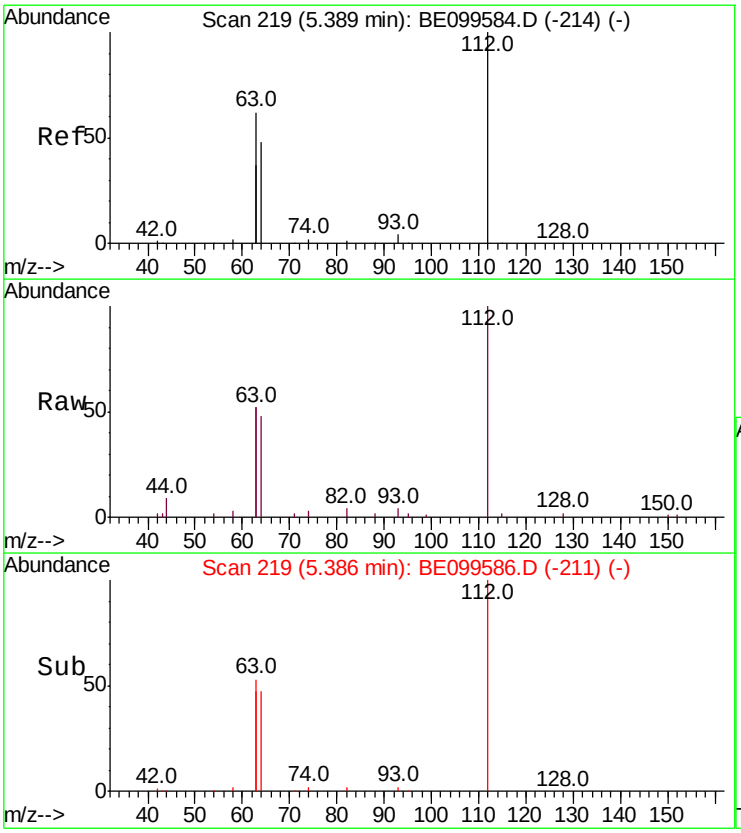
#3
n-Nitrosodimethylamine
Concen: 1.551 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.01 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion: 42 Resp: 2138

Ion	Ratio	Lower	Upper
42	100		
74	172.0	136.9	205.3
44	9.7	7.1	10.7

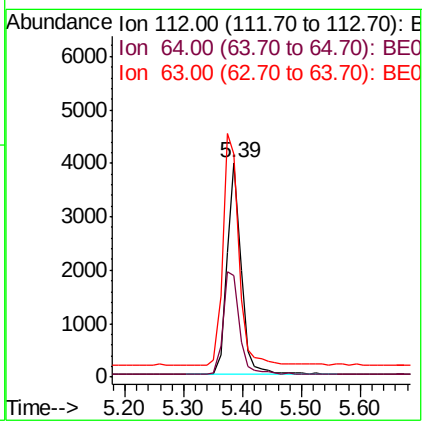


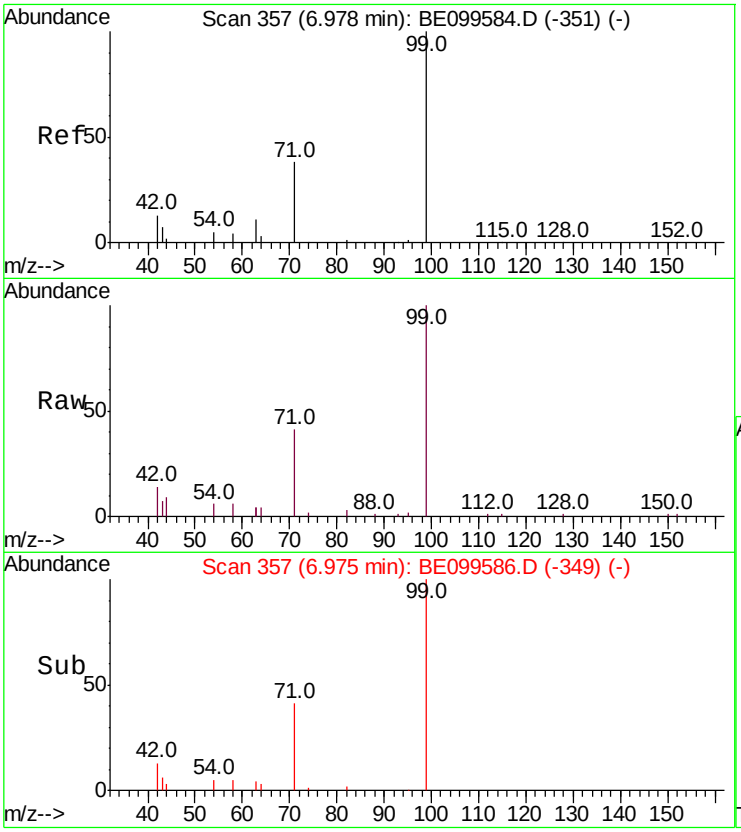


#4
2-Fluorophenol
Concen: 1.620 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:112 Resp: 6624

Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.2	69.4
63	122.1	100.2	150.4



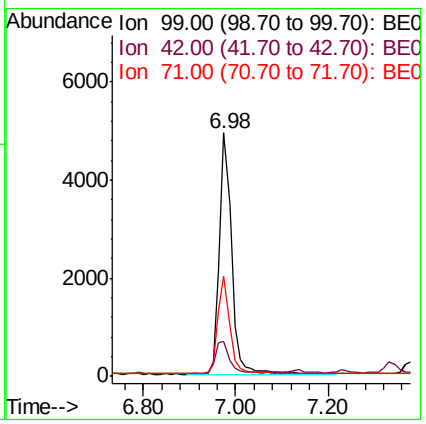


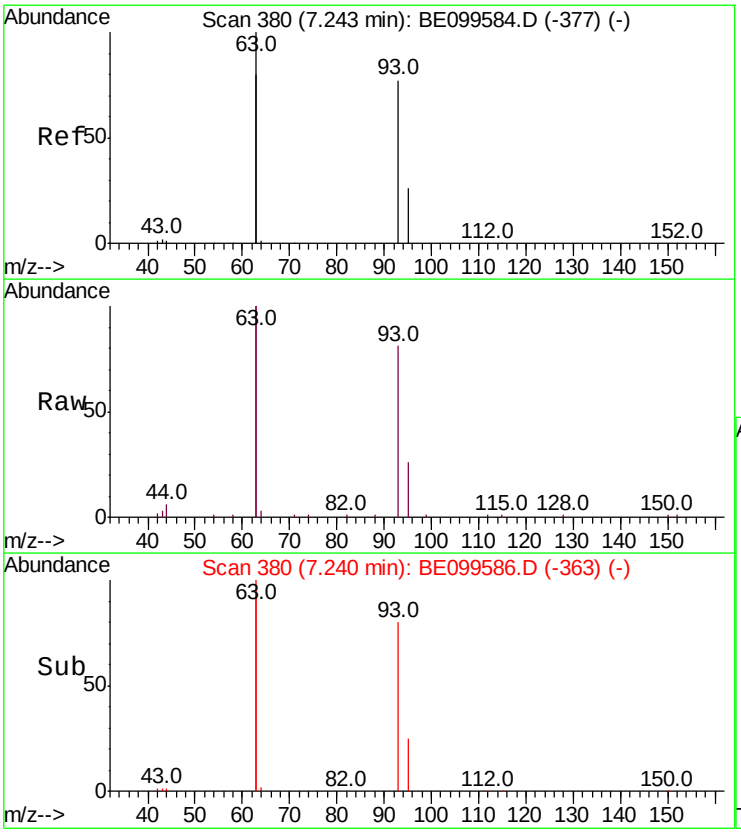
#5
Phenol-d6
Concen: 1.641 ng
RT: 6.98 min Scan# 357
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion: 99 Resp: 8831

Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.8	20.8
71	39.9	32.2	48.4

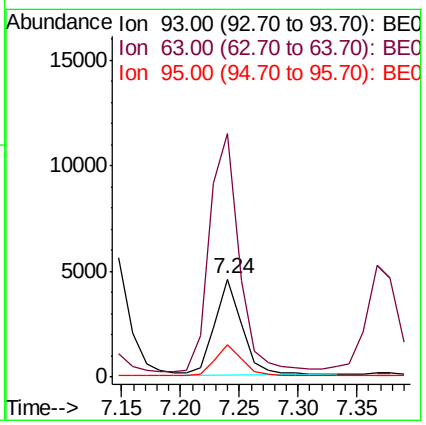


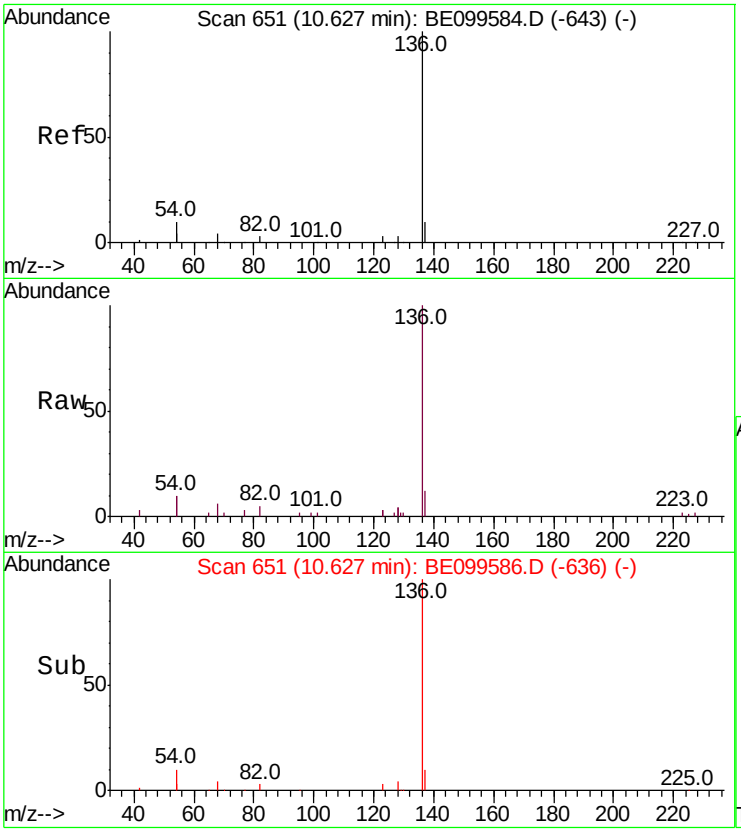


#6
bis(2-Chloroethyl)ether
Concen: 1.614 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion: 93 Resp: 7235

Ion	Ratio	Lower	Upper
93	100		
63	270.9	213.4	320.0
95	32.3	24.9	37.3



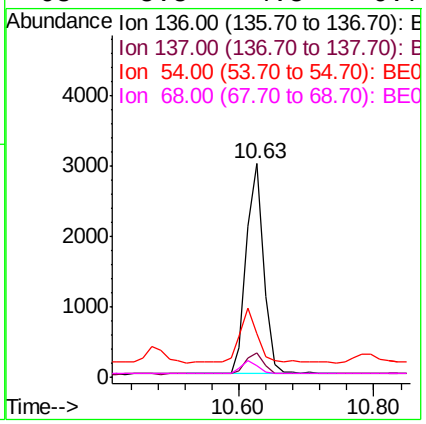


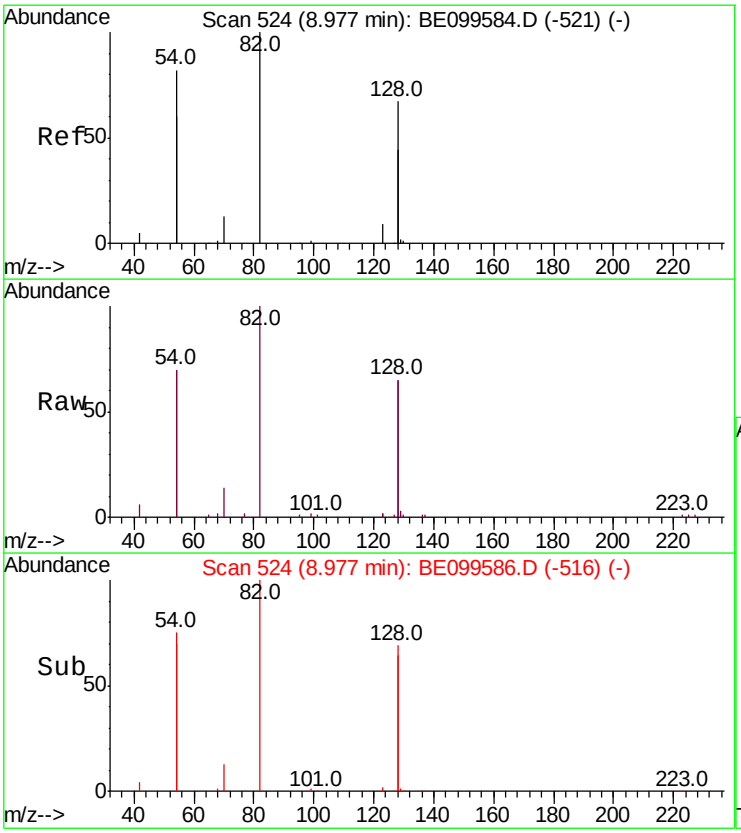
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:136 Resp: 5321

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	20.5	16.5	24.7
68	5.5	4.5	6.7

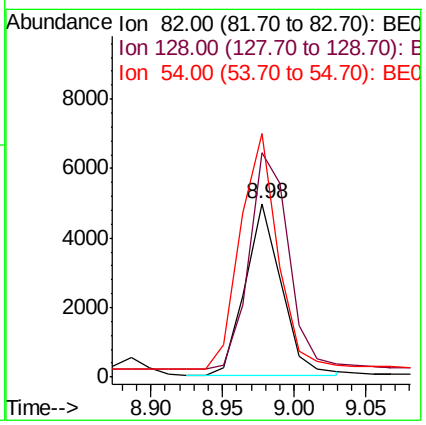


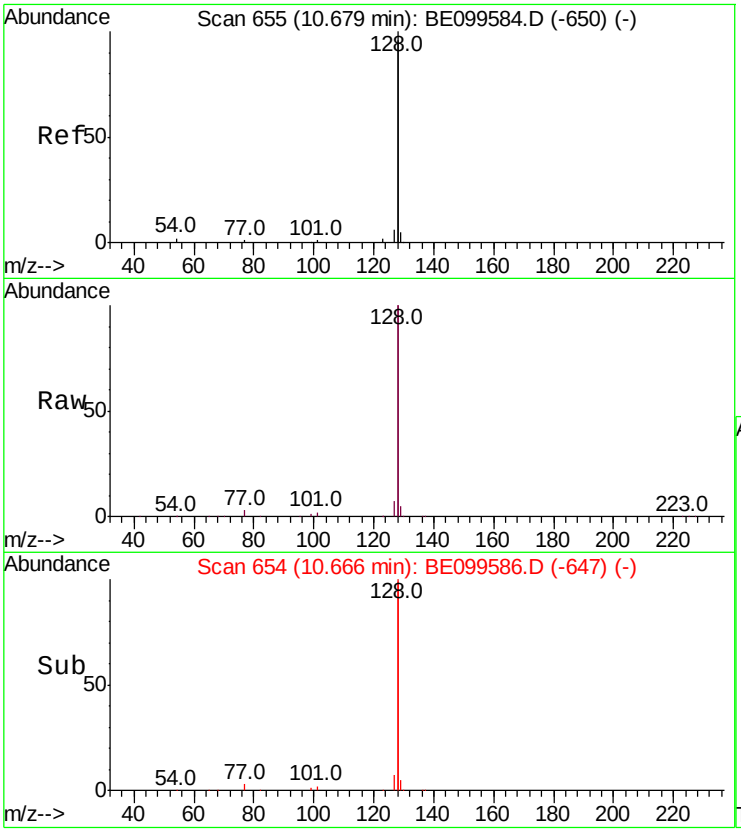


#8
Nitrobenzene-d5
Concen: 1.668 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion: 82 Resp: 8550

Ion	Ratio	Lower	Upper
82	100		
128	129.8	101.5	152.3
54	140.4	123.8	185.6



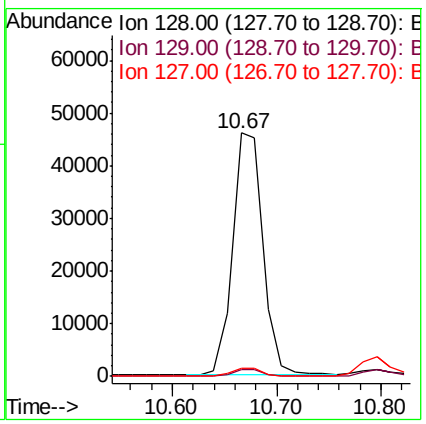


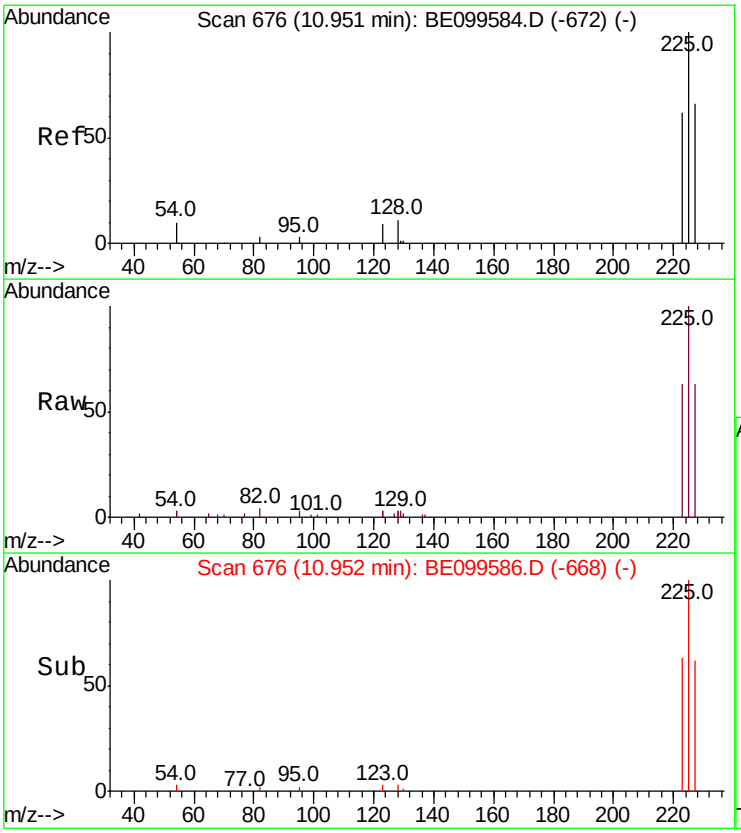
#9
Naphthalene
Concen: 1.647 ng
RT: 10.67 min Scan# 654
Delta R.T. -0.01 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:128 Resp: 92816

Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.4	3.6
127	3.4	2.8	4.2

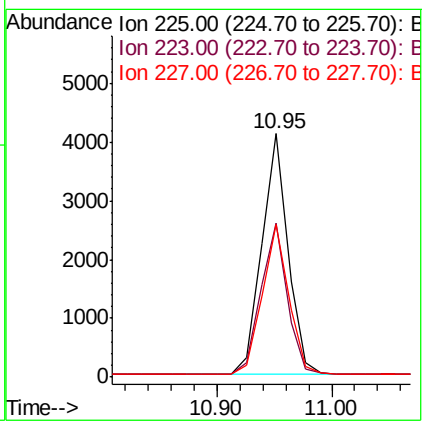


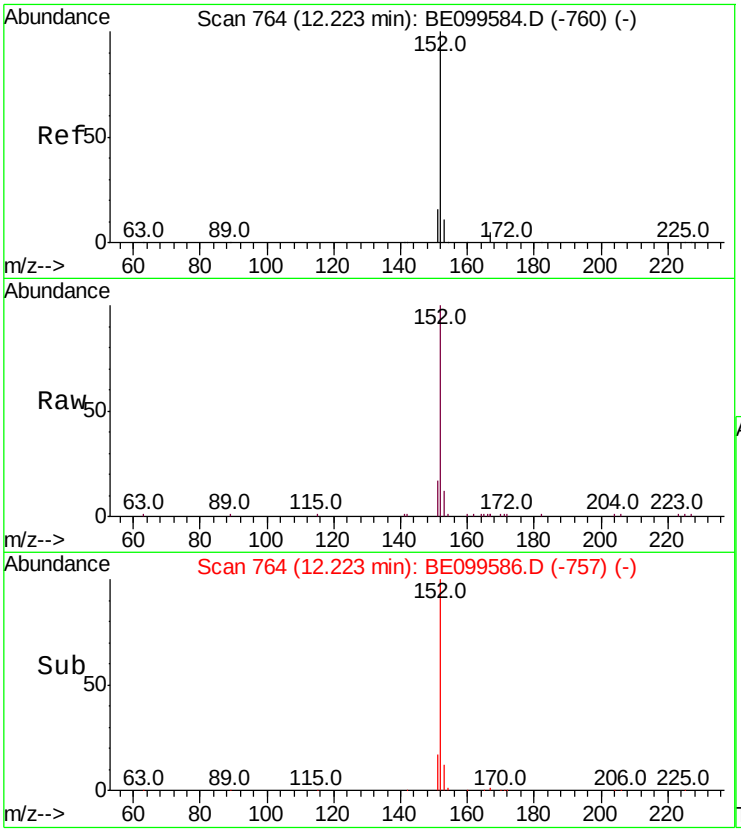


#10
Hexachlorobutadiene
Concen: 1.609 ng
RT: 10.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:225 Resp: 6587

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.6	74.4
227	62.7	50.1	75.1



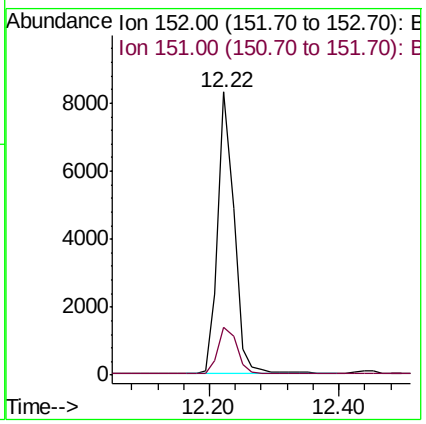


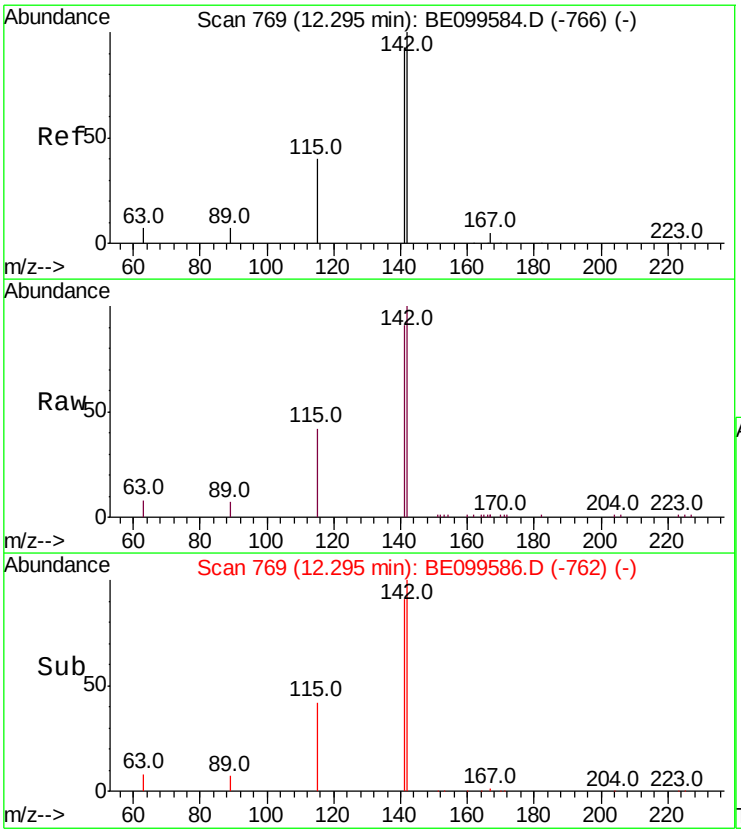
#11
2-Methylnaphthalene-d10
Concen: 1.567 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:152 Resp: 14524

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.2

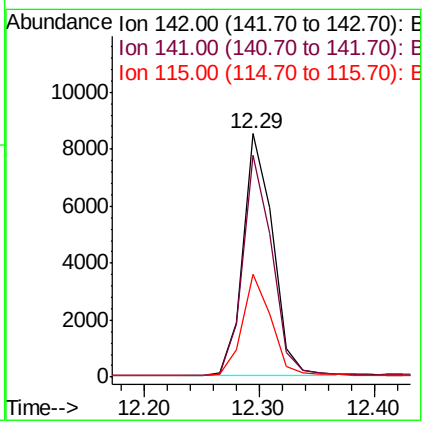


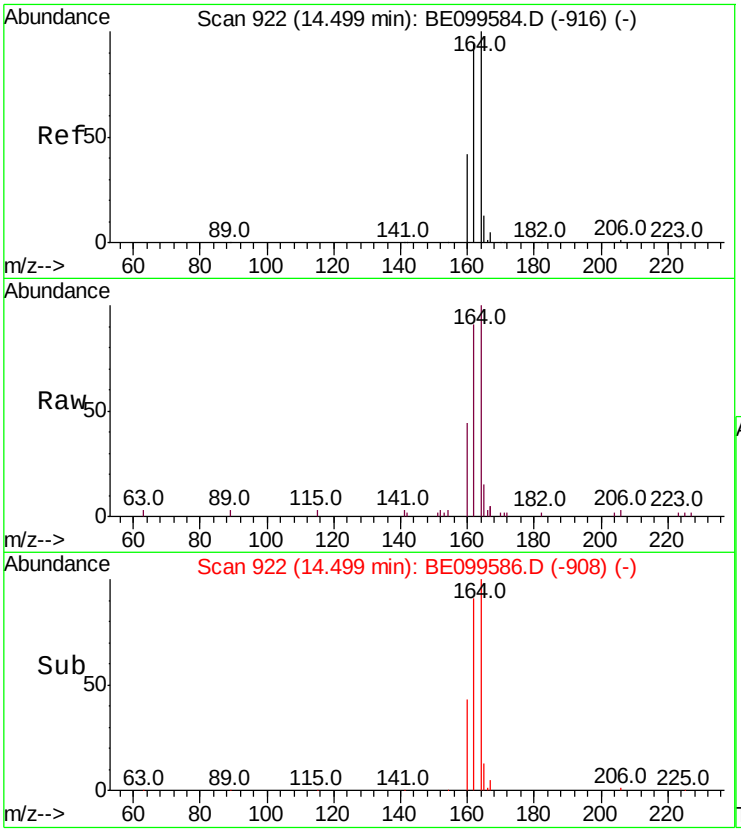


#12
2-Methylnaphthalene
Concen: 1.589 ng
RT: 12.29 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:142 Resp: 15179

Ion	Ratio	Lower	Upper
142	100		
141	91.3	75.0	112.4
115	42.0	33.7	50.5



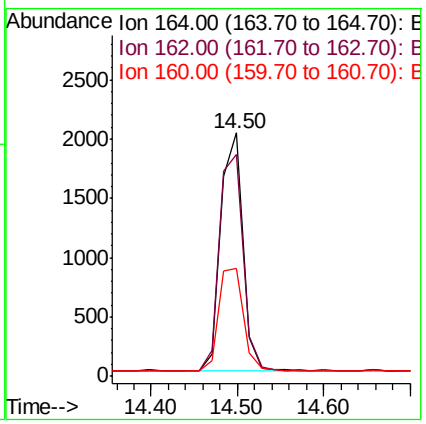


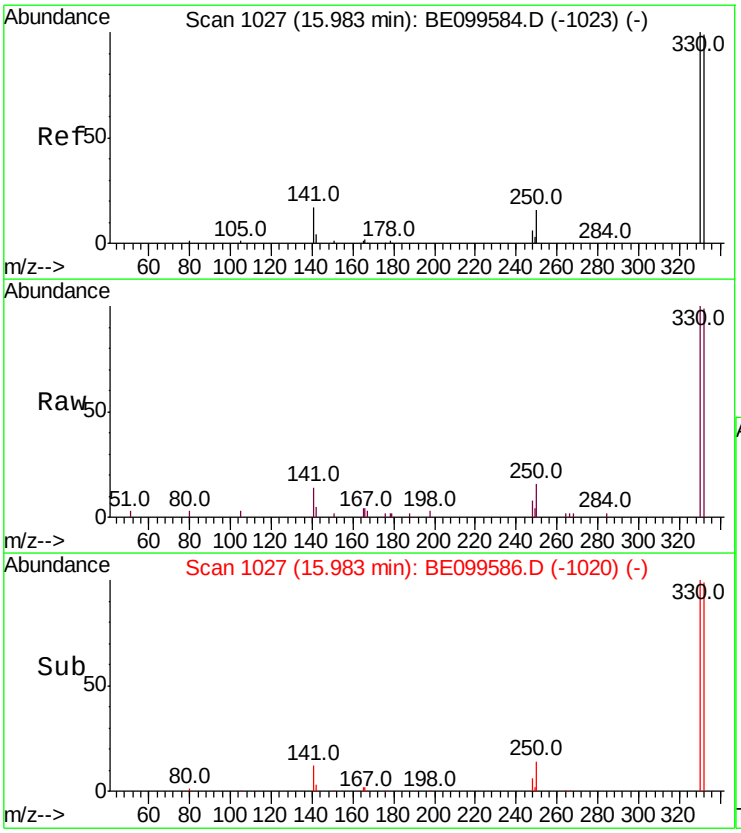
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:164 Resp: 3562

Ion	Ratio	Lower	Upper
164	100		
162	91.3	75.3	112.9
160	44.1	34.7	52.1

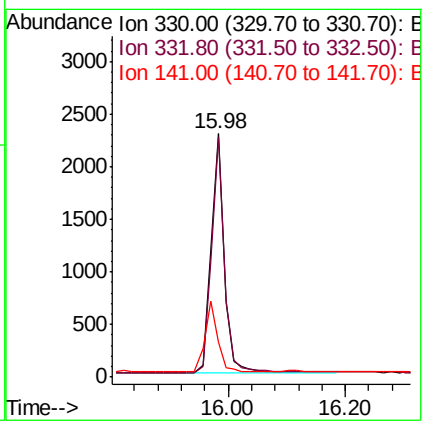


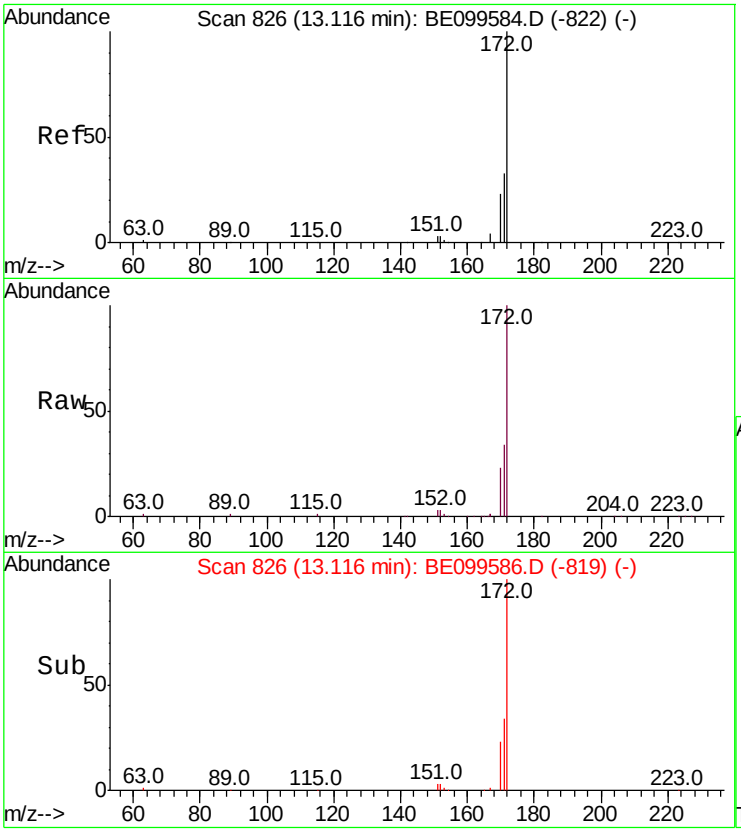


#14
2,4,6-Tribromophenol
Concen: 1.495 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:330 Resp: 3545

Ion	Ratio	Lower	Upper
330	100		
332	98.8	78.7	118.1
141	28.3	22.3	33.5



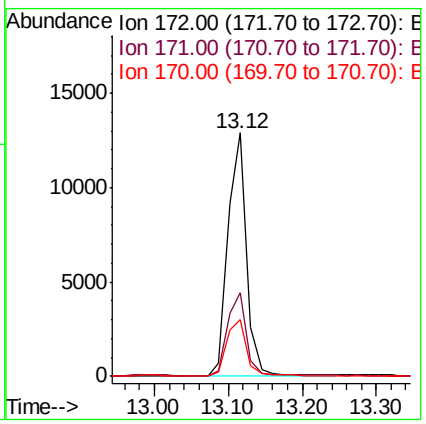


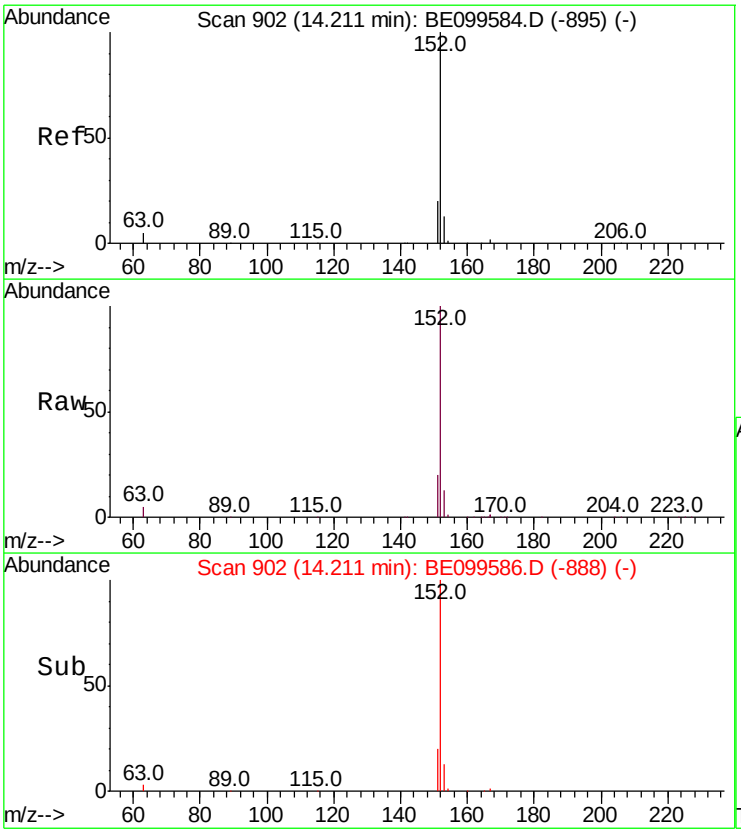
#15
2-Fluorobiphenyl
Concen: 1.662 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:172 Resp: 22427

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.5	41.3
170	23.1	19.1	28.7

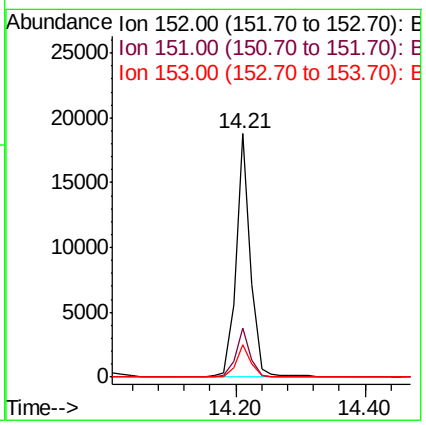


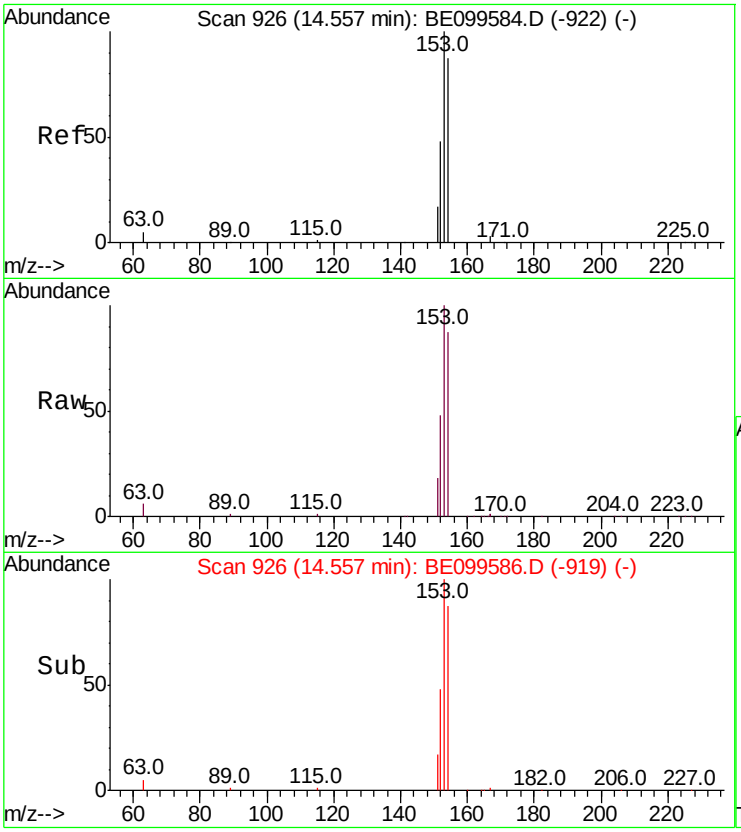


#16
Acenaphthylene
Concen: 1.646 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:152 Resp: 28287

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	13.1	10.2	15.4



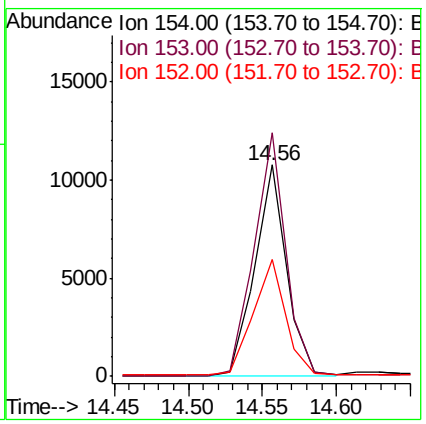


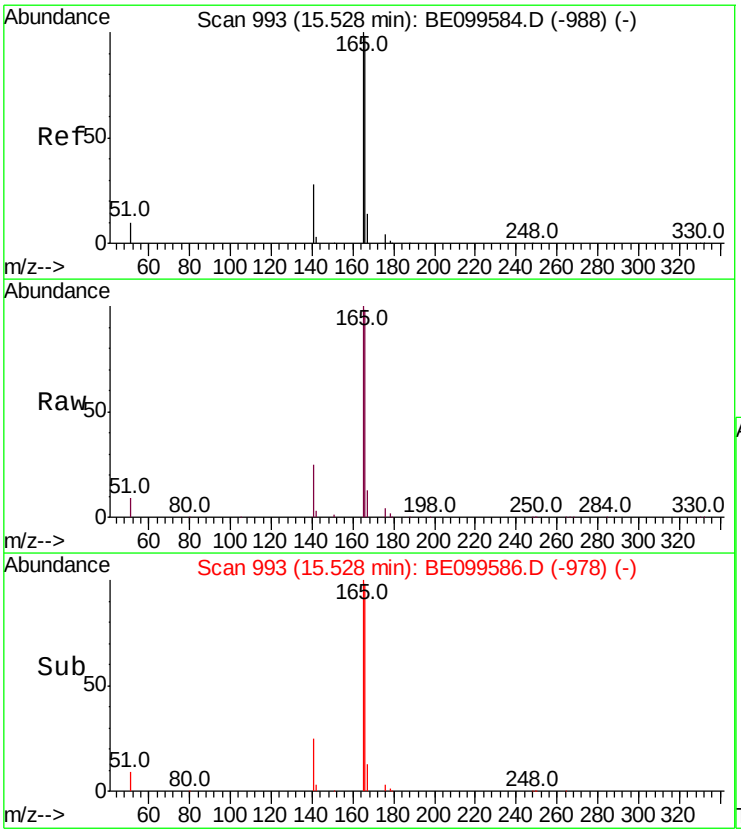
#17
Acenaphthene
Concen: 1.641 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:154 Resp: 15755

Ion	Ratio	Lower	Upper
154	100		
153	115.5	92.9	139.3
152	56.3	46.3	69.5

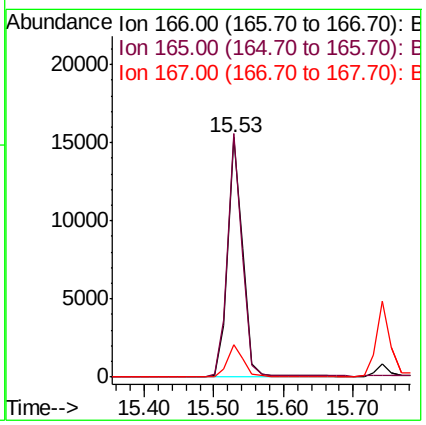


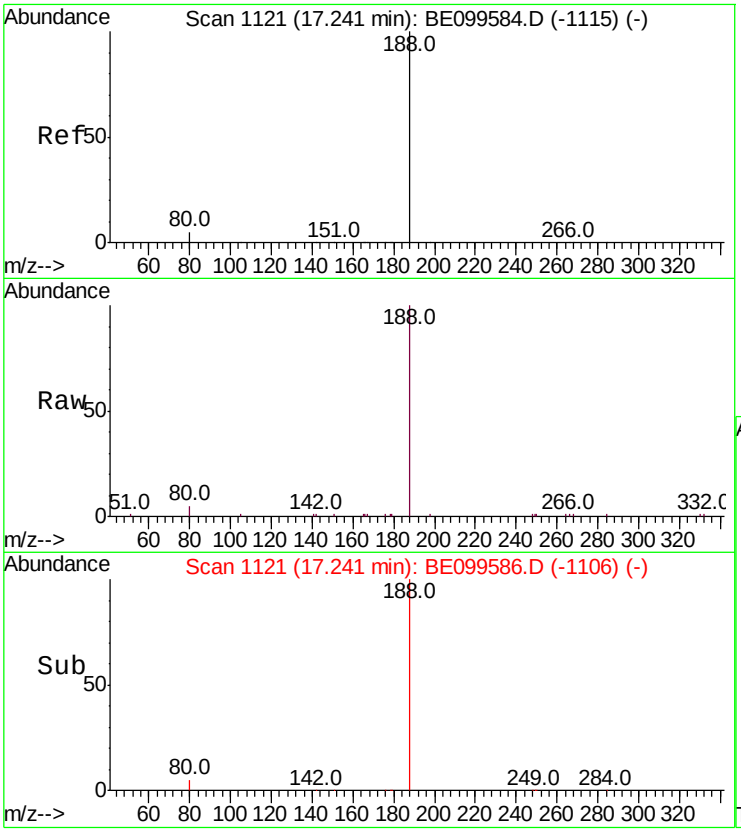


#18
Fluorene
Concen: 1.640 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:166 Resp: 22489

Ion	Ratio	Lower	Upper
166	100		
165	99.7	80.5	120.7
167	13.5	11.6	17.4



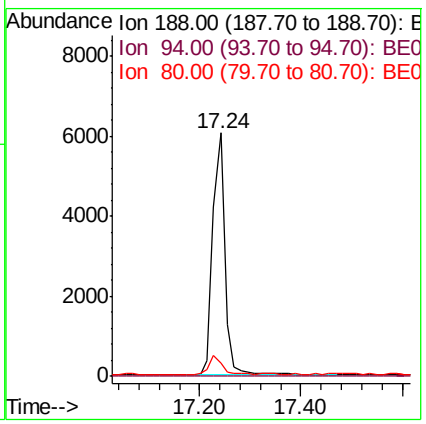


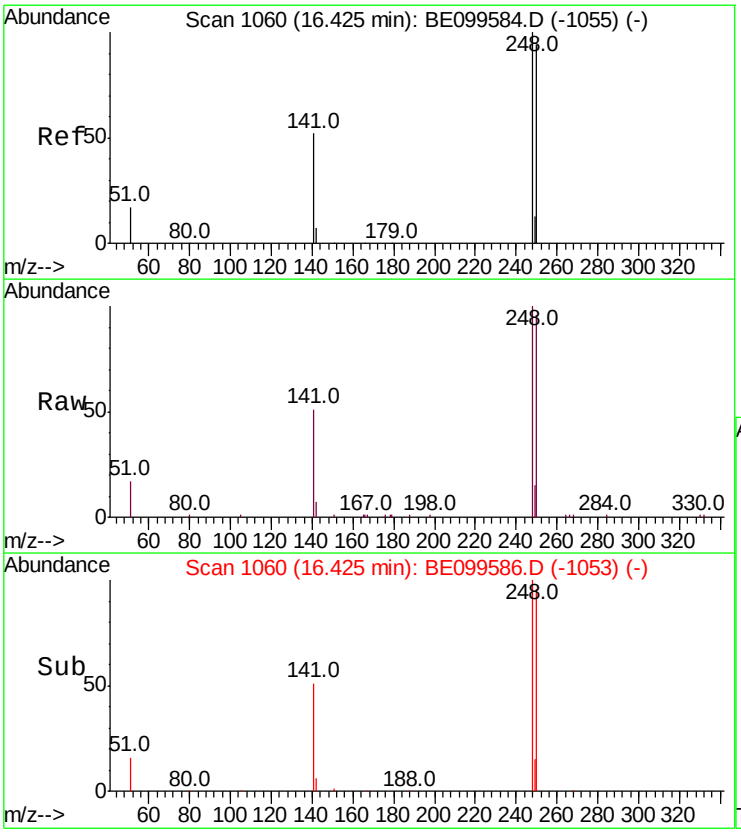
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:188 Resp: 9906

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.4	4.4	6.6

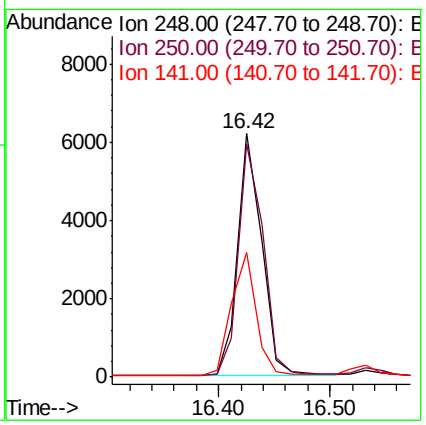


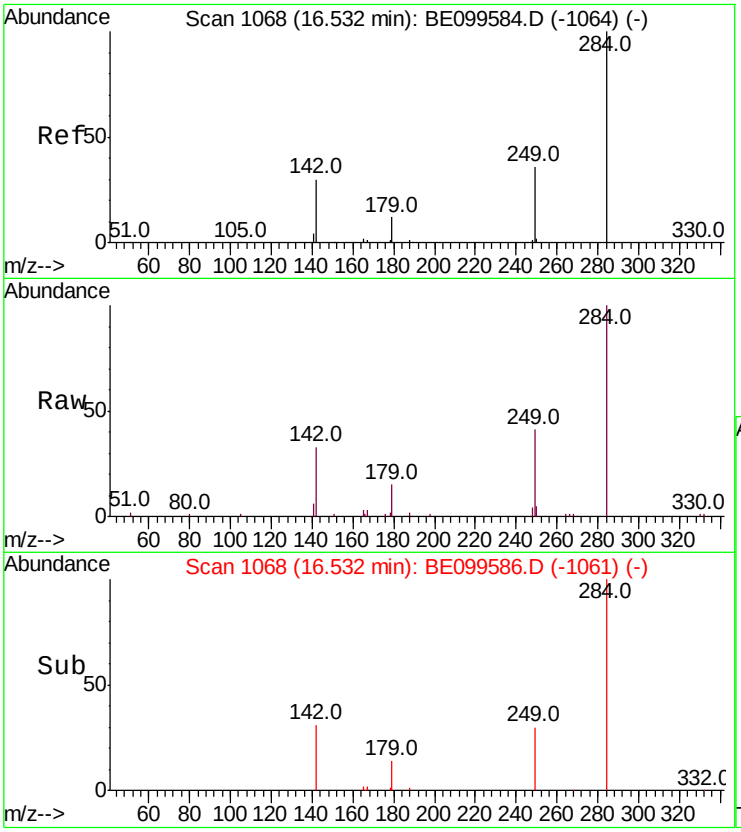


#20
4-Bromophenyl-phenylether
Concen: 1.632 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:248 Resp: 9186

Ion	Ratio	Lower	Upper
248	100		
250	95.7	75.7	113.5
141	51.2	42.9	64.3



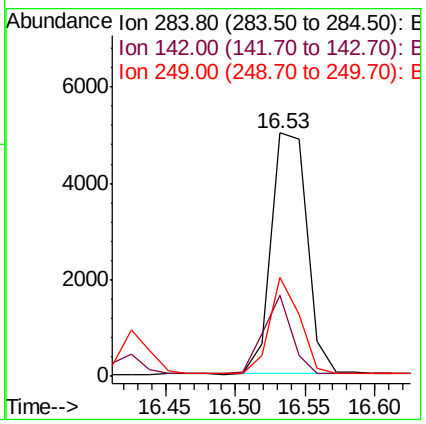


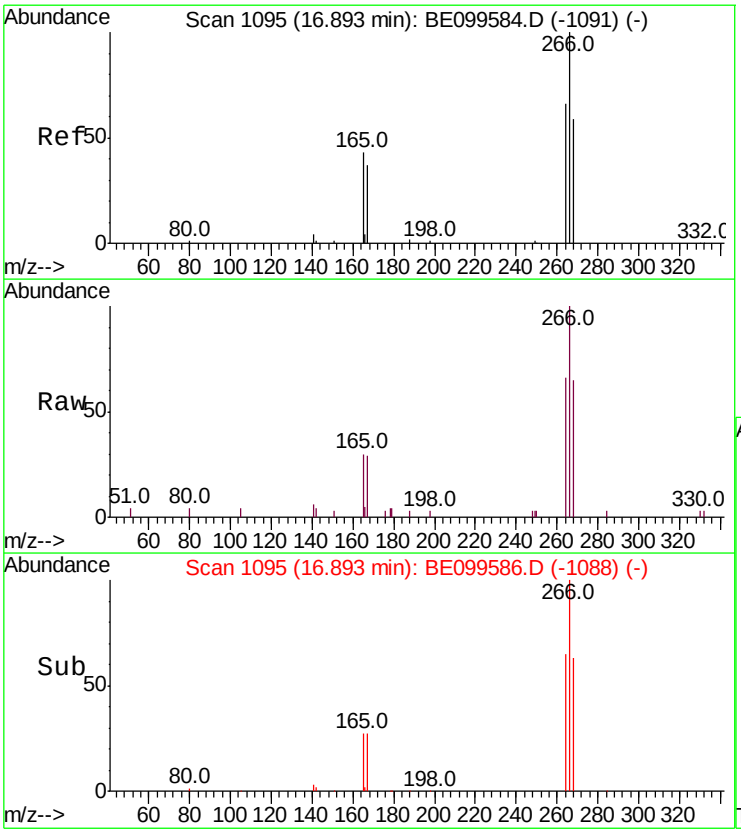
#21
Hexachlorobenzene
Concen: 1.612 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:284 Resp: 9025

Ion	Ratio	Lower	Upper
284	100		
142	26.2	20.6	30.8
249	33.1	25.8	38.6

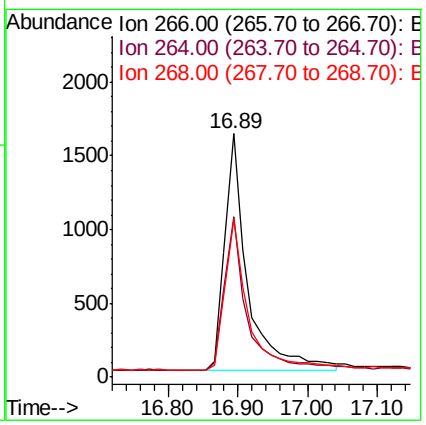


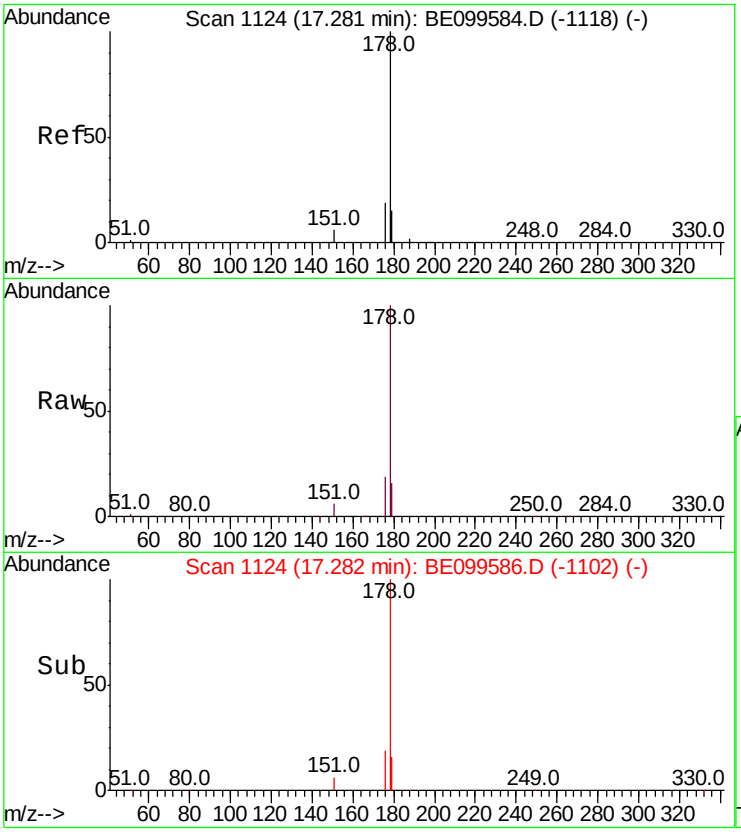


#22
Pentachlorophenol
Concen: 1.571 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:266 Resp: 3619

Ion	Ratio	Lower	Upper
266	100		
264	66.0	57.3	85.9
268	64.7	53.5	80.3



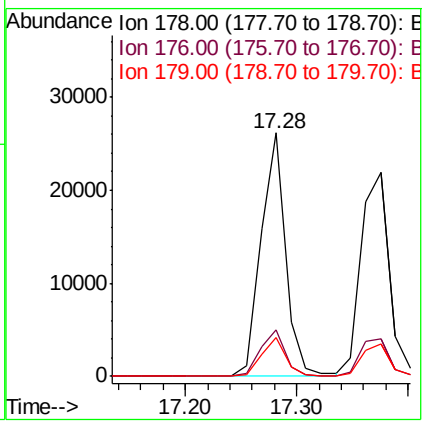


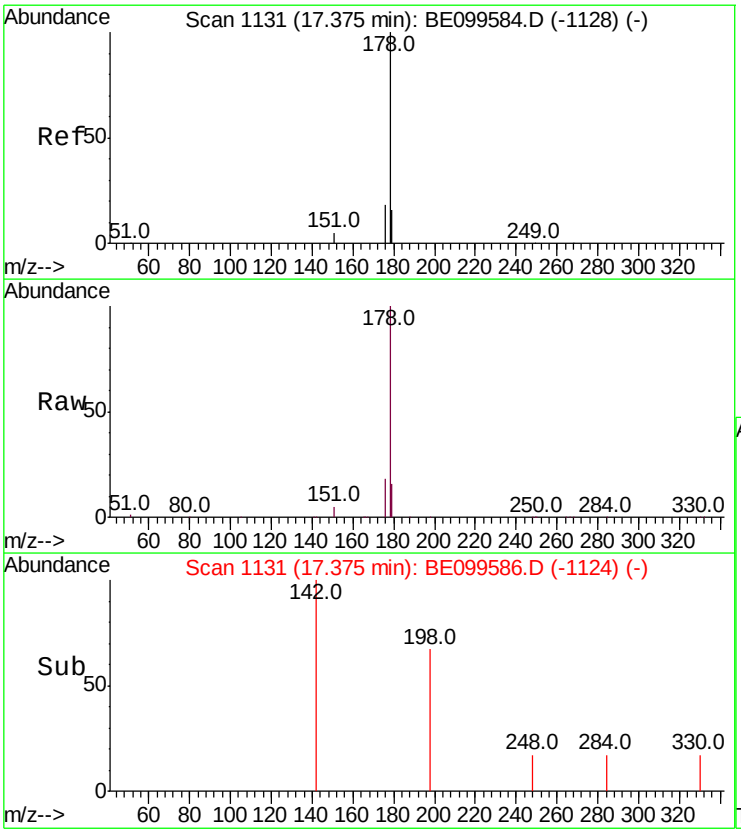
#23
Phenanthrene
Concen: 1.645 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:178 Resp: 40156

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.6
179	15.4	12.2	18.2

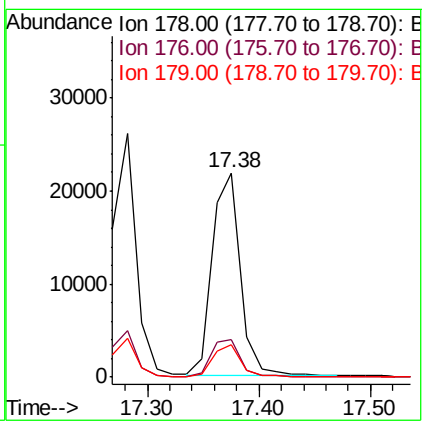


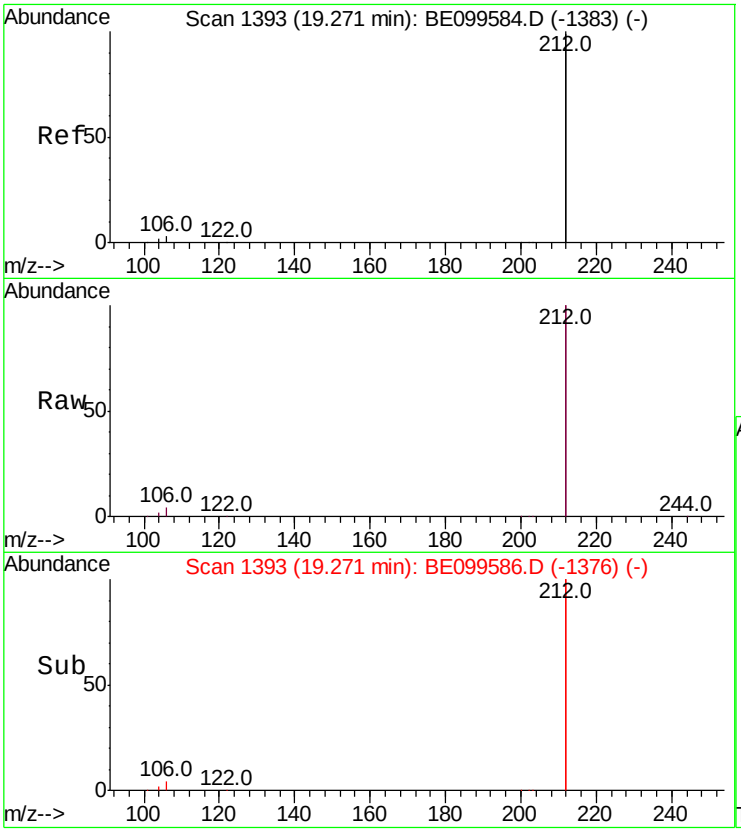


#24
Anthracene
Concen: 1.630 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:178 Resp: 38264

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.3	12.3	18.5



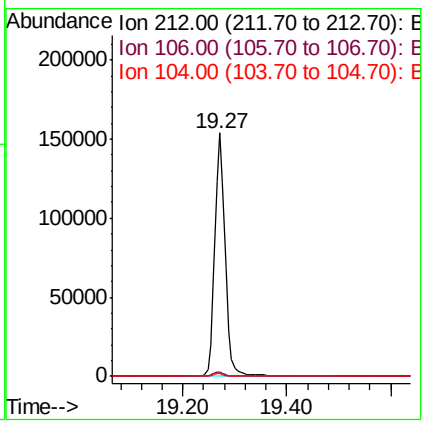


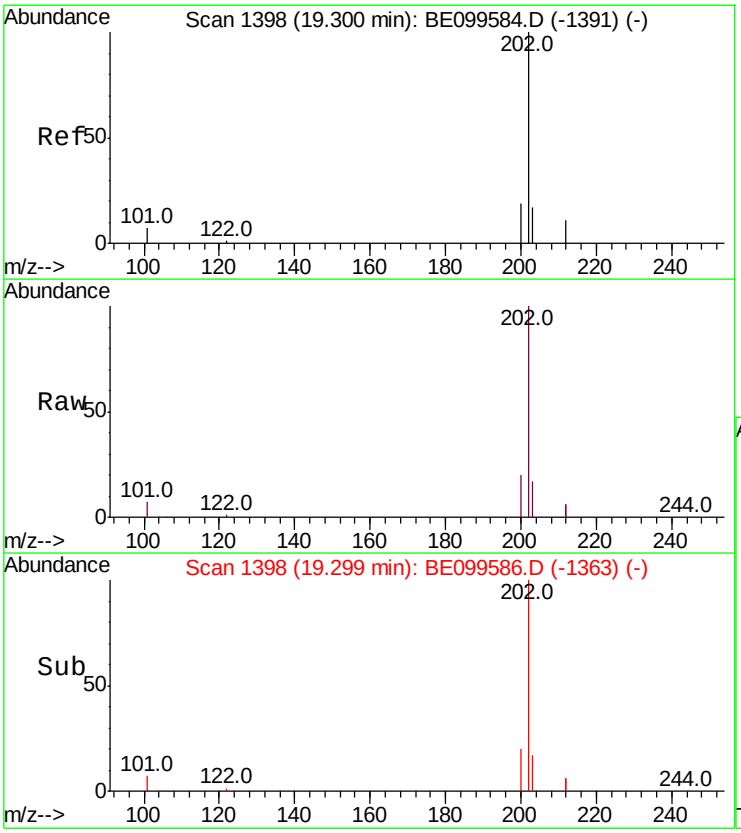
#25
Fluoranthene-d10
Concen: 1.595 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:212 Resp: 212794

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.0	0.9	1.3

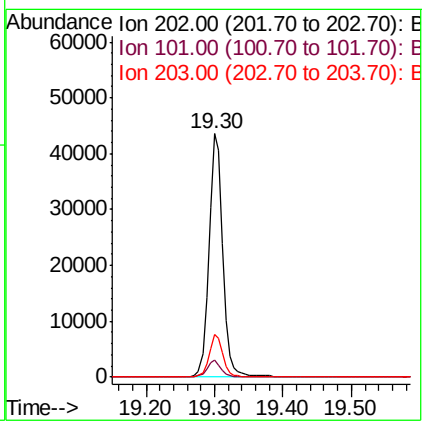


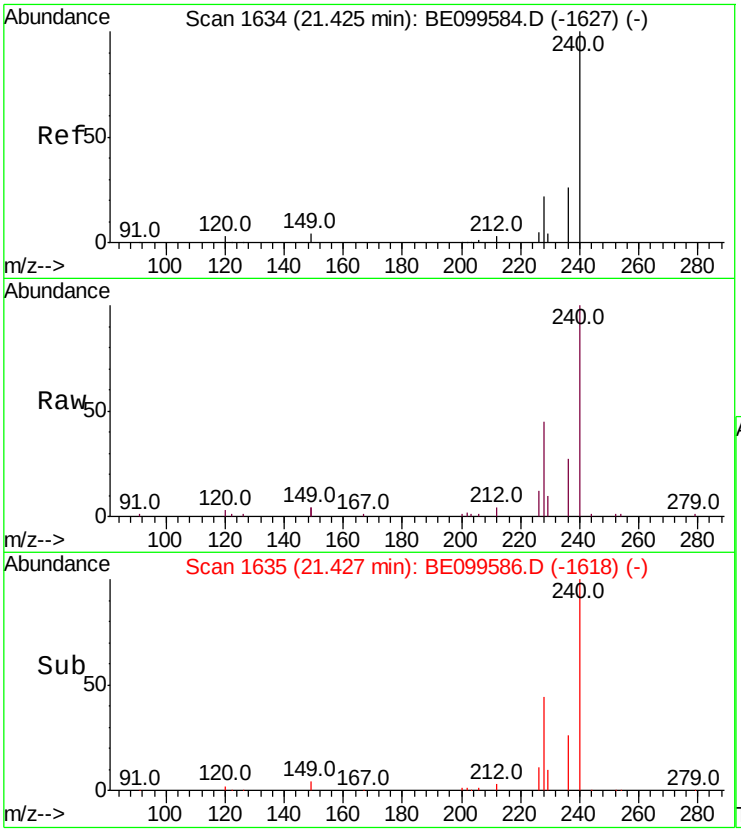


#26
Fluoranthene
Concen: 1.620 ng
RT: 19.30 min Scan# 1398
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:202 Resp: 60894

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.4	8.2
203	17.1	13.7	20.5



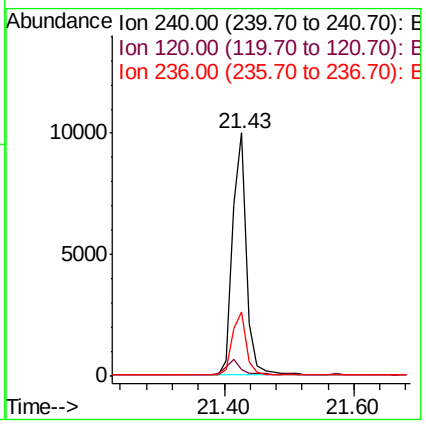


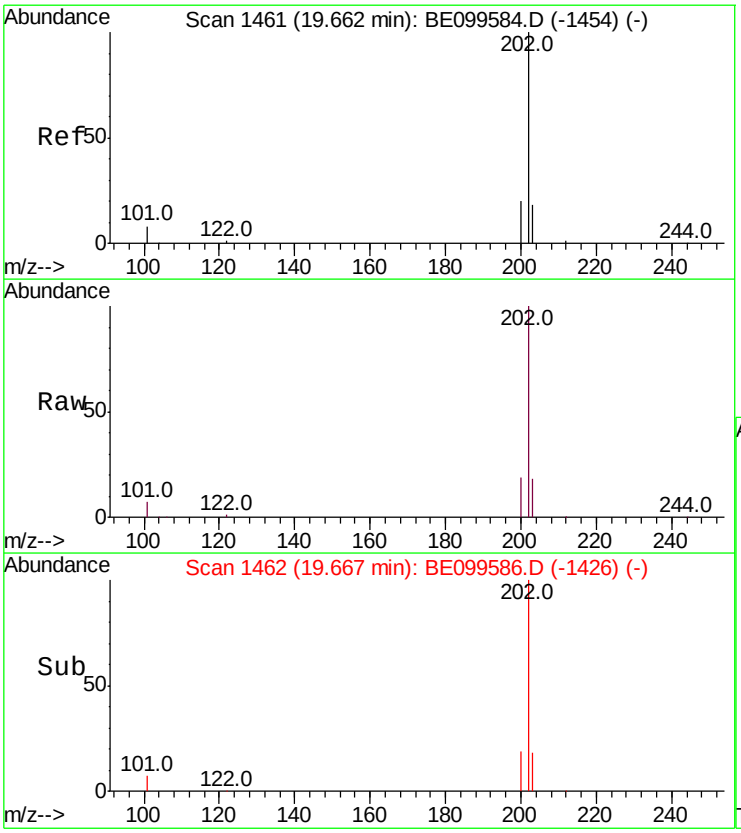
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:240 Resp: 15047

Ion	Ratio	Lower	Upper
240	100		
120	3.0	3.2	4.8#
236	26.5	21.0	31.6

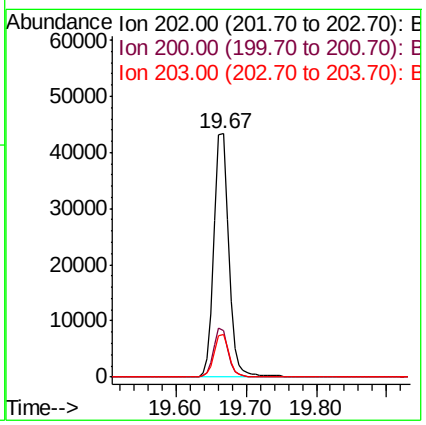


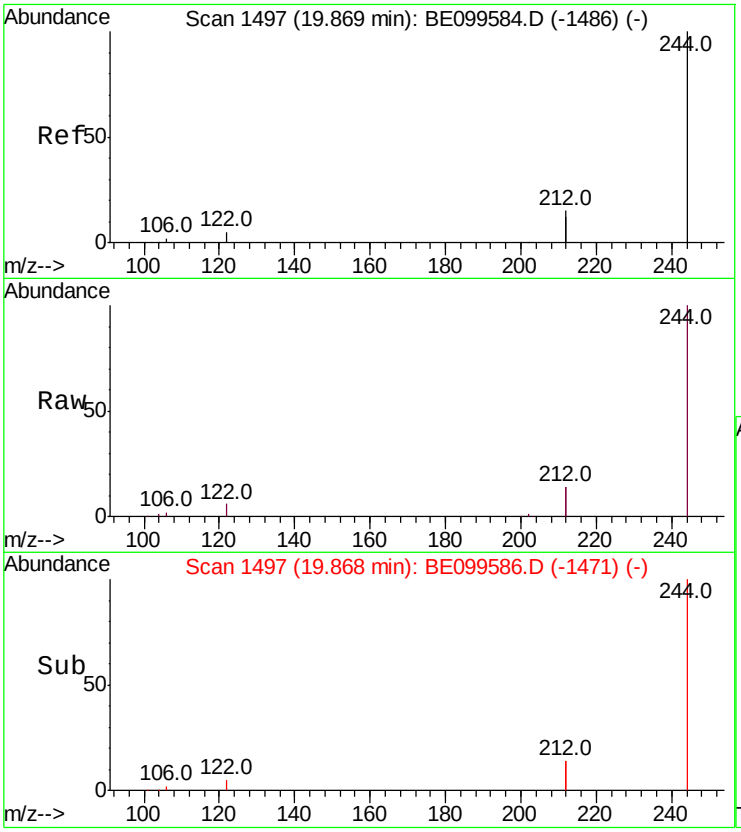


#28
Pyrene
Concen: 1.562 ng
RT: 19.67 min Scan# 1462
Delta R.T. 0.01 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:202 Resp: 62955

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.9	23.9
203	17.6	14.1	21.1



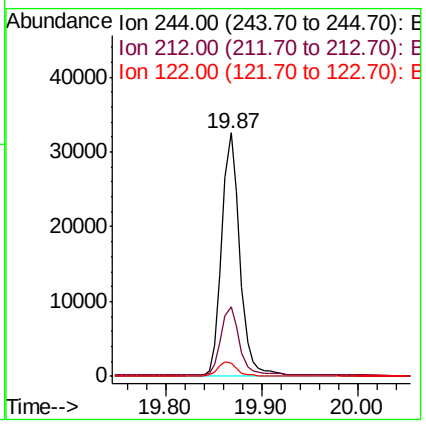


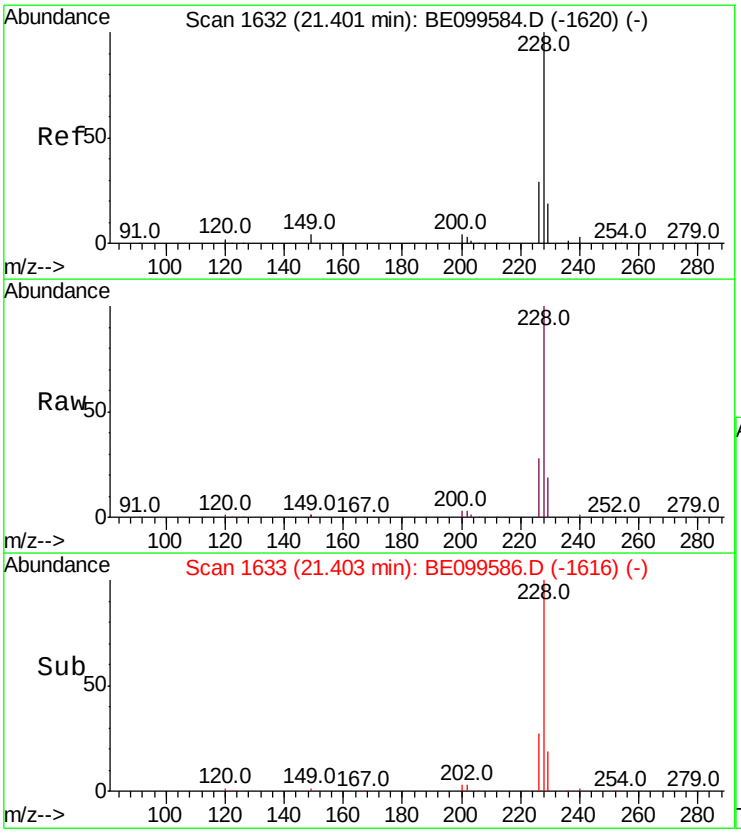
#29
Terphenyl-d14
Concen: 1.542 ng
RT: 19.87 min Scan# 1497
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:244 Resp: 42991

Ion	Ratio	Lower	Upper
244	100		
212	28.6	24.4	36.6
122	5.6	4.6	6.8

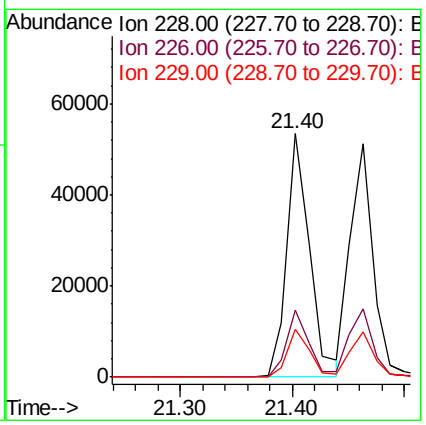


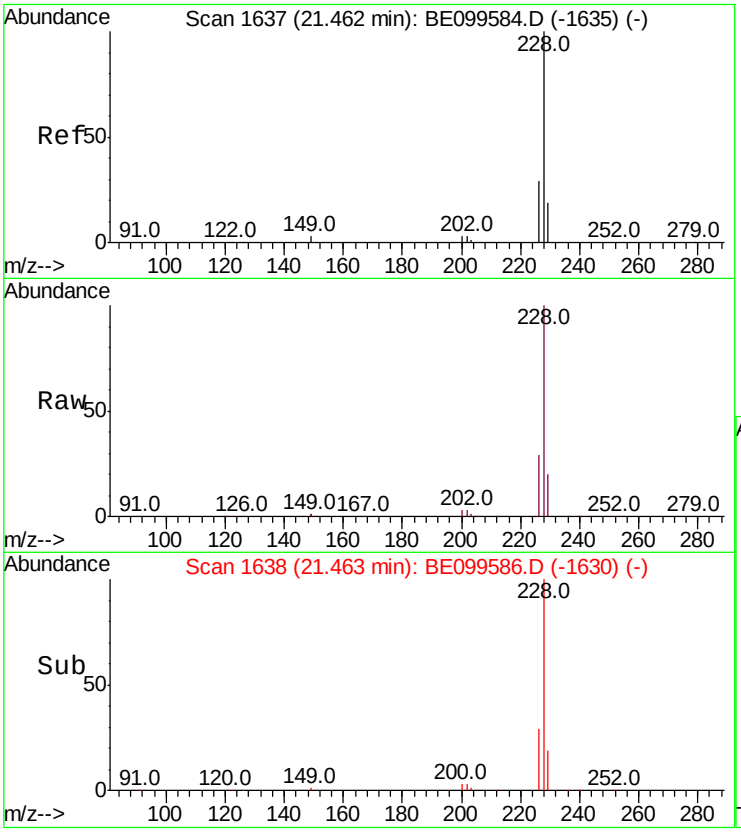


#30
Benzo(a)anthracene
Concen: 1.599 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:228 Resp: 74543

Ion	Ratio	Lower	Upper
228	100		
226	27.6	23.3	34.9
229	19.4	15.5	23.3



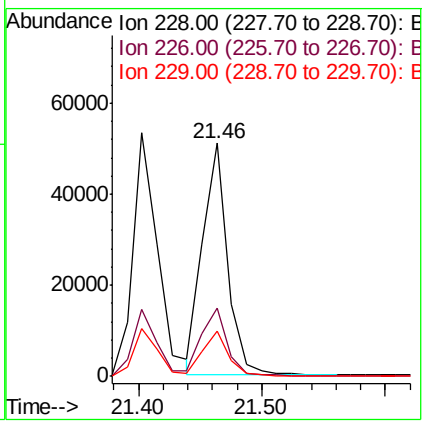


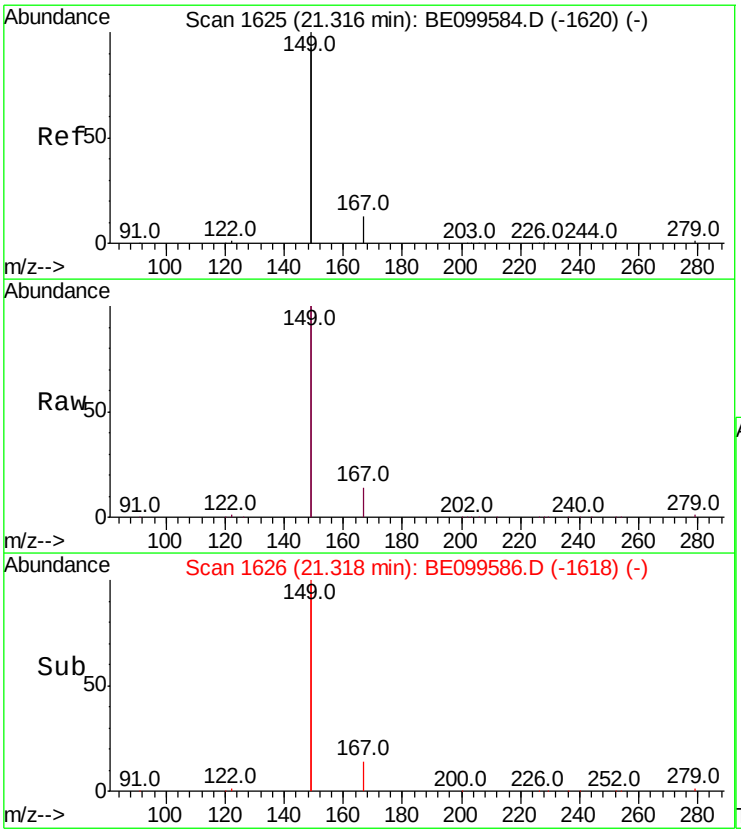
#31
Chrysene
Concen: 1.563 ng
RT: 21.46 min Scan# 1638
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:228 Resp: 71904

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.2	34.8
229	19.6	15.6	23.4

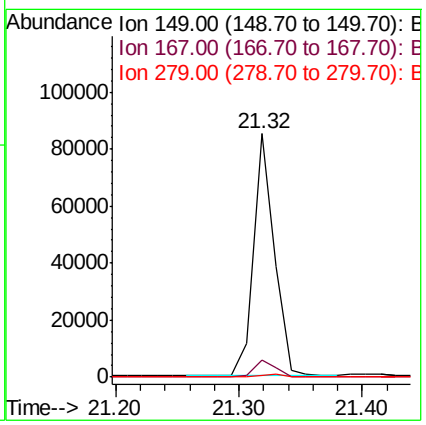


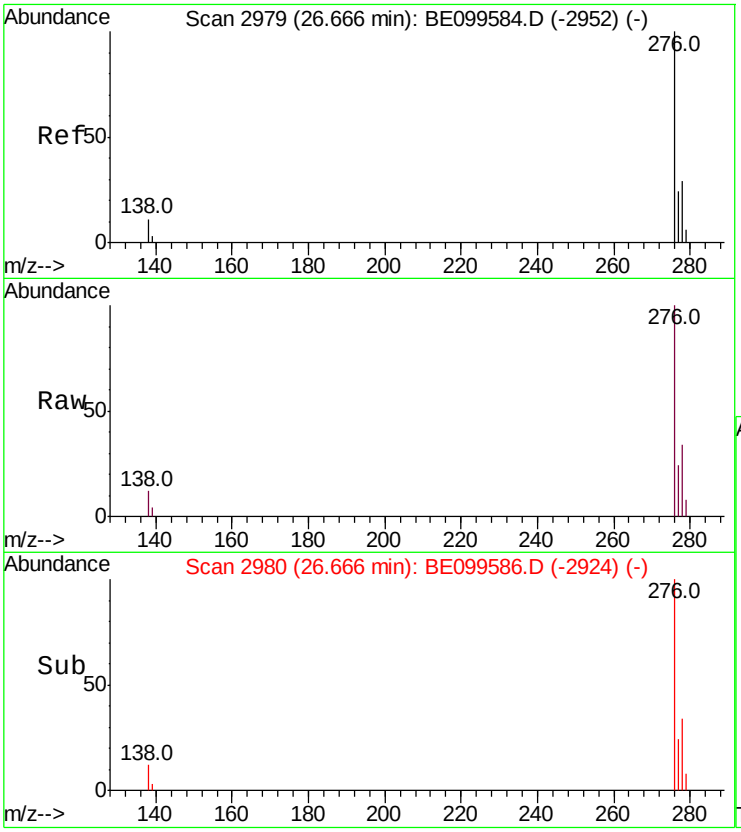


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.335 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:149 Resp: 98632

Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.0	9.0
279	1.3	1.1	1.7



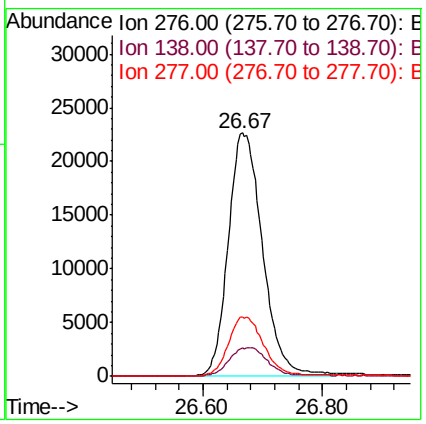


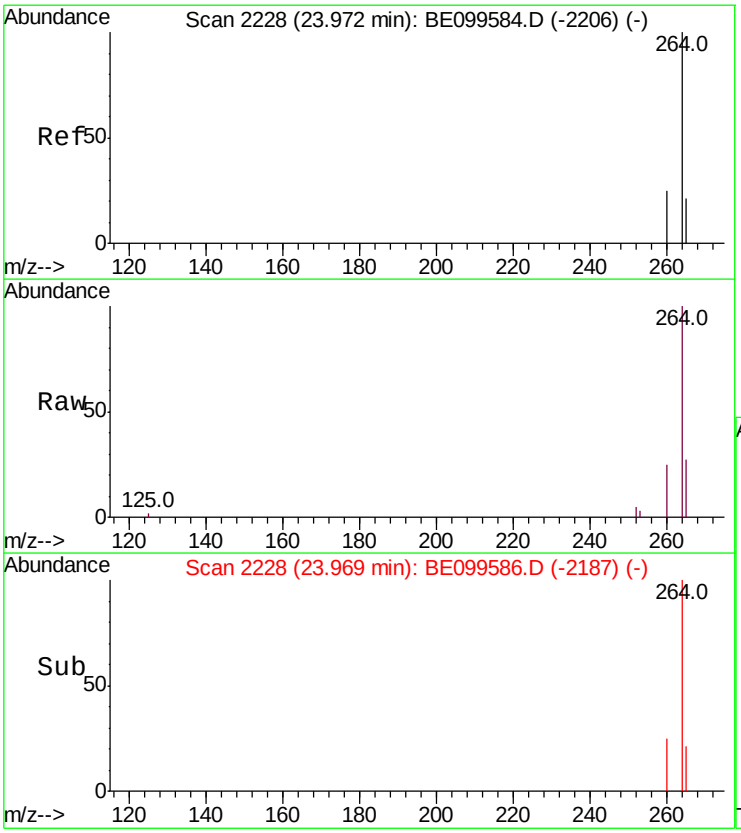
#33
Indeno(1,2,3-cd)pyrene
Concen: 1.641 ng
RT: 26.67 min Scan# 2980
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 89627

Ion	Ratio	Lower	Upper
276	100		
138	5.4	10.2	15.2#
277	24.5	19.8	29.8

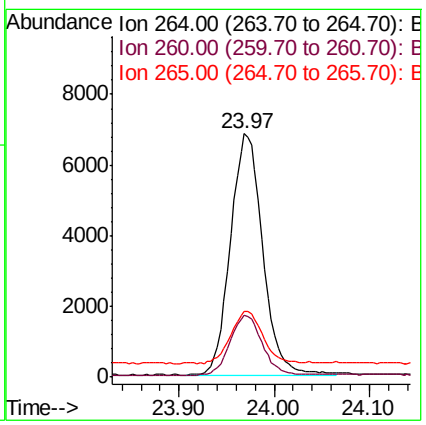


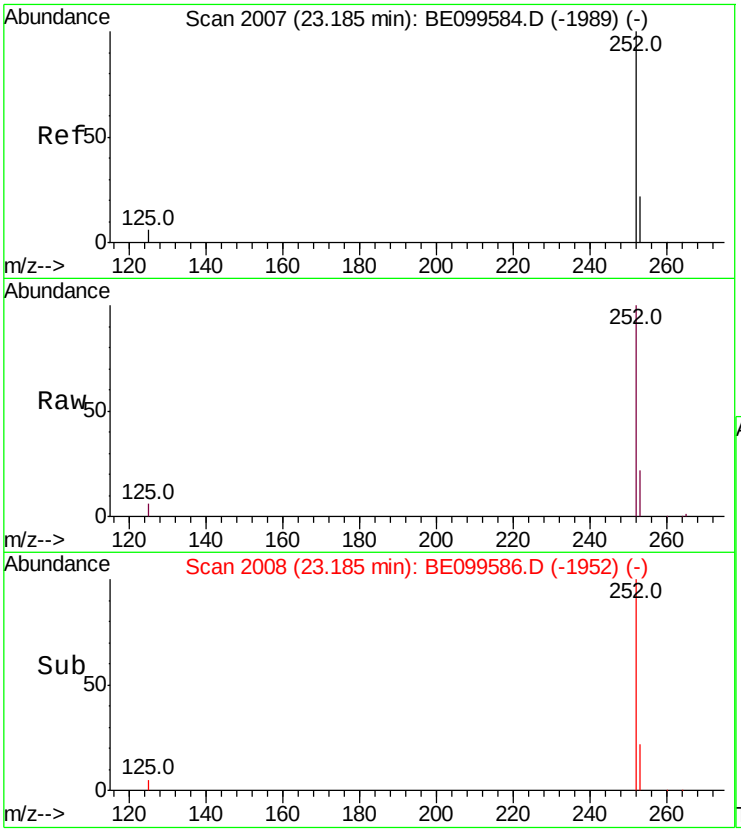


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.97 min Scan# 2228
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:264 Resp: 16035

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.3	30.5
265	27.0	20.9	31.3



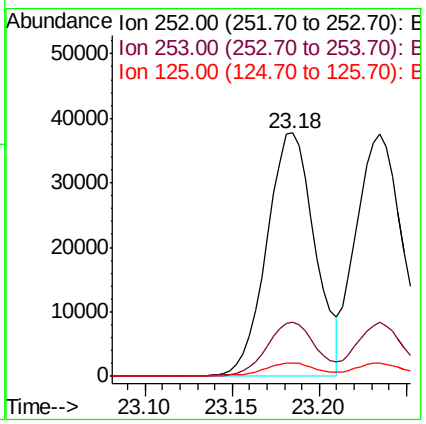


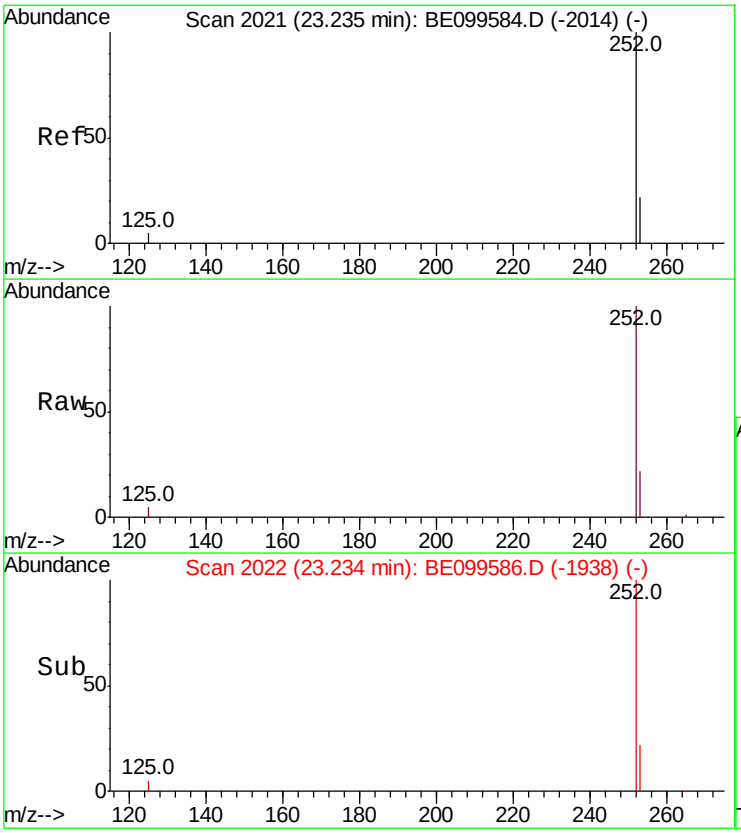
#35
Benzo(b)fluoranthene
Concen: 1.631 ng
RT: 23.18 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 72133

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.6	28.0
125	5.6	6.0	9.0#

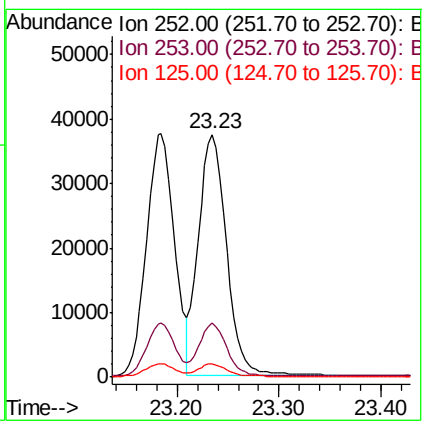


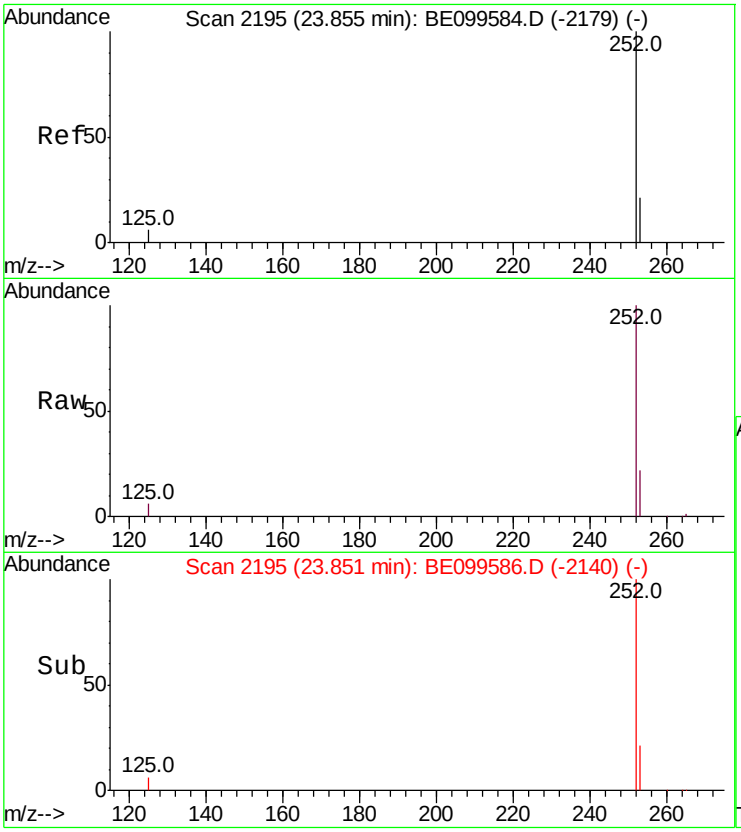


#36
Benzo(k)fluoranthene
Concen: 1.640 ng
RT: 23.23 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:252 Resp: 71402

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.7	28.1
125	5.4	5.1	7.7



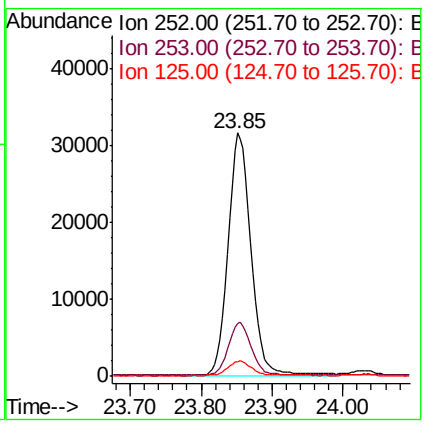


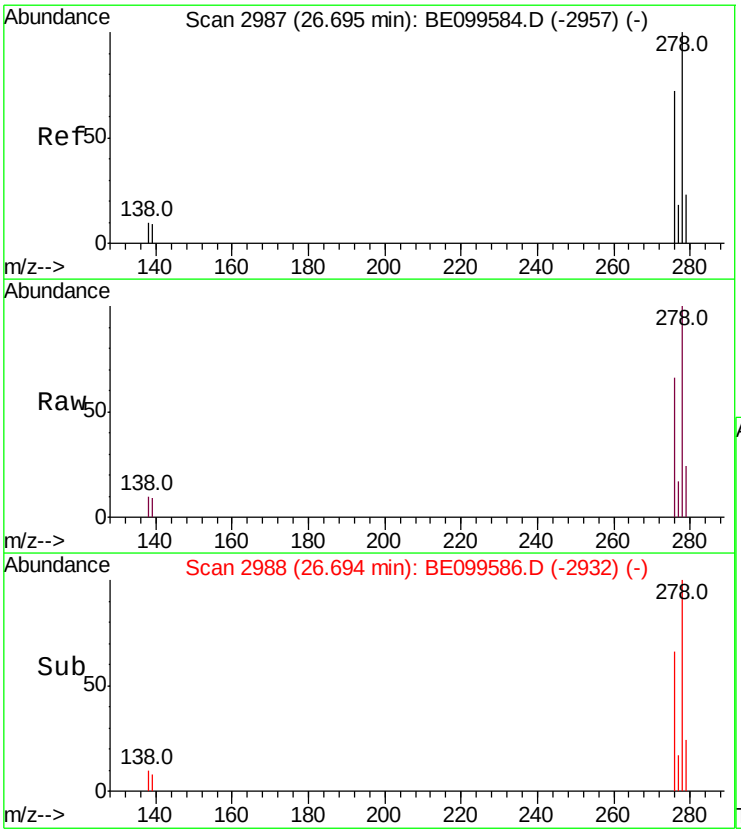
#37
Benzo(a)pyrene
Concen: 1.636 ng
RT: 23.85 min Scan# 2195
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:252 Resp: 69778

Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.6	27.8
125	6.2	6.4	9.6#

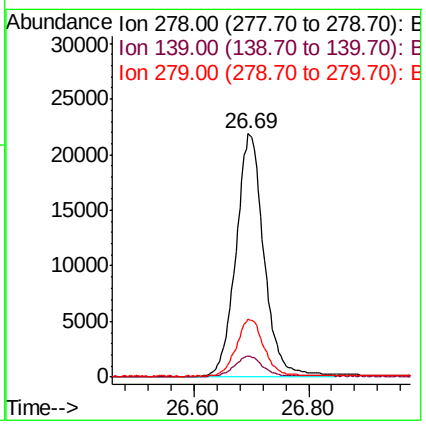


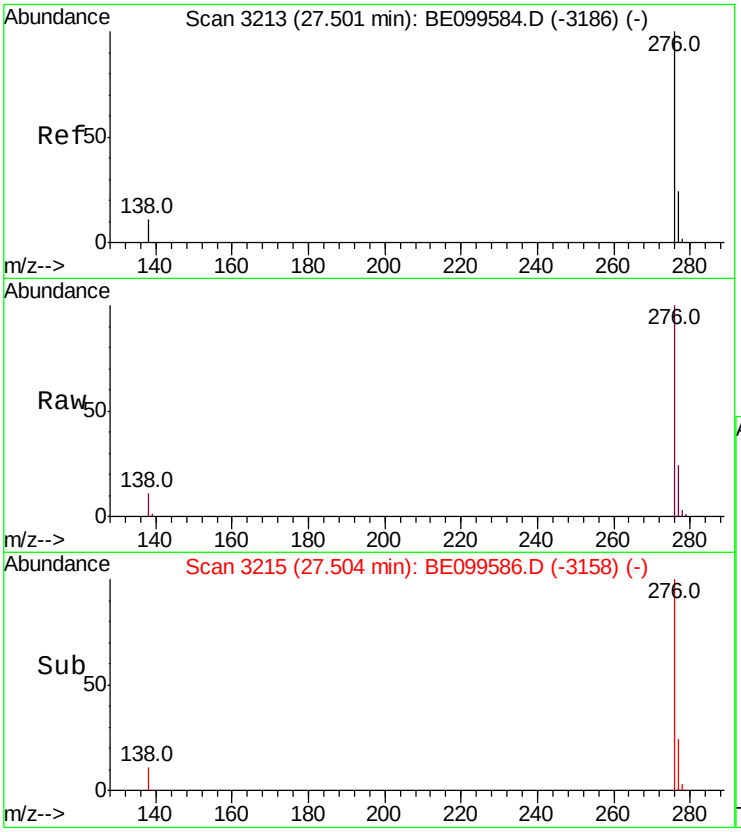


#38
Dibenzo(a,h)anthracene
Concen: 1.669 ng
RT: 26.69 min Scan# 2988
Delta R.T. -0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Tgt Ion:278 Resp: 73644

Ion	Ratio	Lower	Upper
278	100		
139	8.7	8.3	12.5
279	23.8	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 1.682 ng
RT: 27.50 min Scan# 3215
Delta R.T. 0.00 min
Lab File: BE099586.D
Acq: 9 May 2019 11:44

Instrument :
BNA_E
ClientSampleId :
SSTDICC1.6

Tgt Ion:276 Resp: 74321

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.8	29.6
138	11.1	9.4	14.2