Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE050919\
Data File : BE099584.D
Acq On : 9 May 2019 10:33
Operator : JU/SJ
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: May 09 11:57:11 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	1725	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	6205	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	4109	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	11611	0.40	ng	0.00
27) Chrysene-d12	21.43	240	15508	0.40	ng	0.00
34) Perylene-d12	23.97	264	18555	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	1636	0.34	ng	0.00
5) Phenol-d6	6.98	99	2166	0.34	ng	0.00
8) Nitrobenzene-d5	8.98	82	2049	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	3774	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	849	0.31	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	5704	0.37	ng	0.00
25) Fluoranthene-d10	19.27	212	54331	0.35	ng	0.00
29) Terphenyl-d14	19.87	244	10866	0.38	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.30	88	831	0.341	ng	90
3) n-Nitrosodimethylamine	3.64	42	505	0.313	ng	100
6) bis(2-Chloroethyl)ether	7.24	93	1808	0.345	ng	100
9) Naphthalene	10.68	128	23525	0.358	ng	100
10) Hexachlorobutadiene	10.95	225	1719	0.360	ng	100
12) 2-Methylnaphthalene	12.29	142	3867	0.347	ng	100
16) Acenaphthylene	14.21	152	7065	0.356	ng	100
17) Acenaphthene	14.56	154	4020	0.363	ng	100
18) Fluorene	15.53	166	5605	0.354	ng	100
20) 4-Bromophenyl-phenylether	16.42	248	2307	0.350	ng	100
21) Hexachlorobenzene	16.53	284	2409	0.367	ng	99
22) Pentachlorophenol	16.89	266	786	0.291	ng	100
23) Phenanthrene	17.28	178	10289	0.360	ng	100
24) Anthracene	17.38	178	9319	0.339	ng	100
26) Fluoranthene	19.30	202	15525	0.352	ng	100
28) Pyrene	19.66	202	16130	0.388	ng	100
30) Benzo(a)anthracene	21.40	228	18782	0.391	ng	100
31) Chrysene	21.46	228	18792	0.396	ng	100
32) Bis(2-ethylhexyl)phthalate	21.32	149	26072	0.342	ng	100
33) Indeno(1,2,3-cd)pyrene	26.67	276	22715	0.403	ng	100
35) Benzo(b)fluoranthene	23.18	252	18596	0.363	ng	100
36) Benzo(k)fluoranthene	23.23	252	18790	0.373	ng	100
37) Benzo(a)pyrene	23.85	252	17966	0.364	ng	100
38) Dibenzo(a,h)anthracene	26.69	278	18646	0.365	ng	100
39) Benzo(g,h,i)perylene	27.50	276	19031	0.372	ng	100

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

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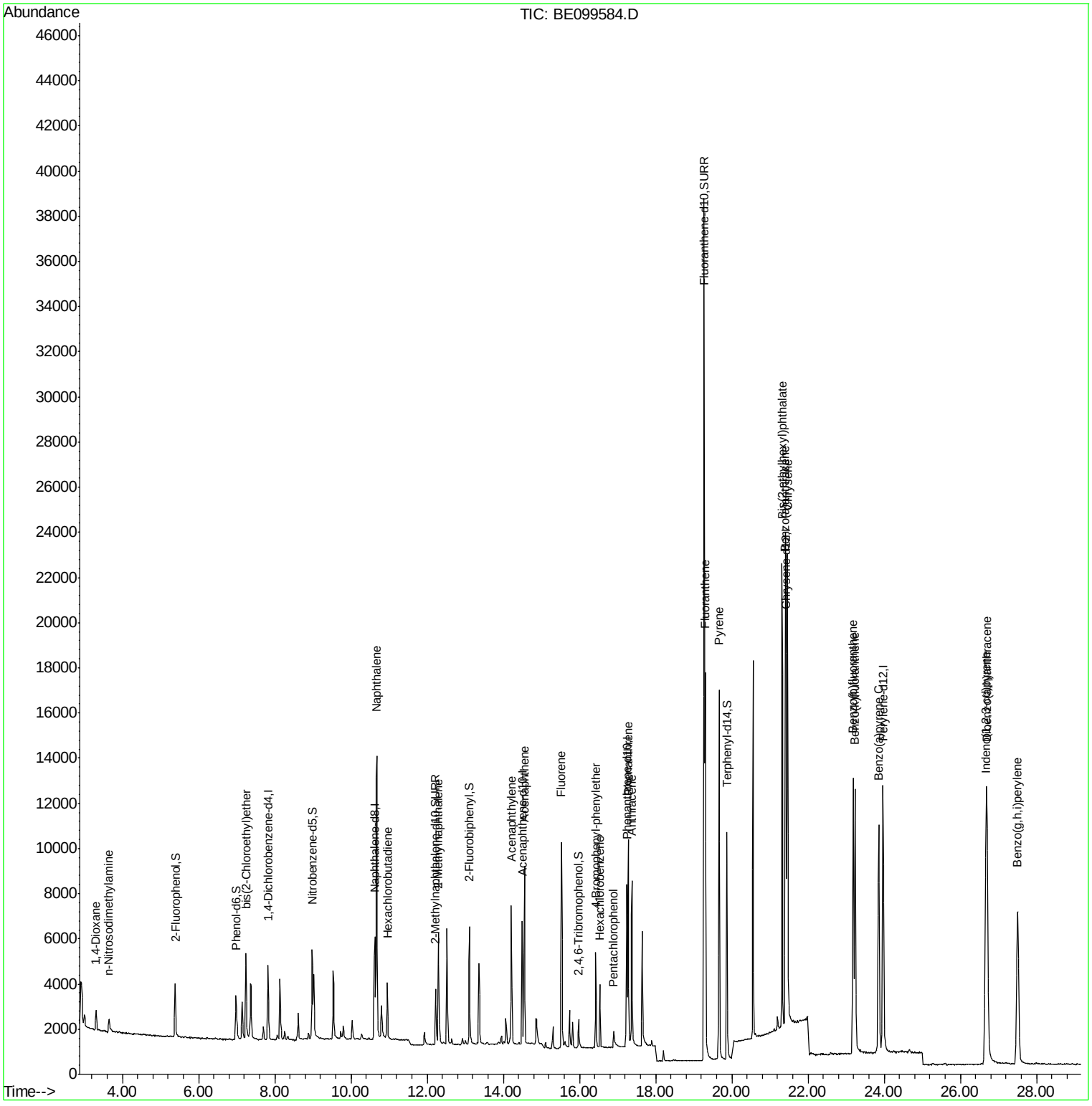
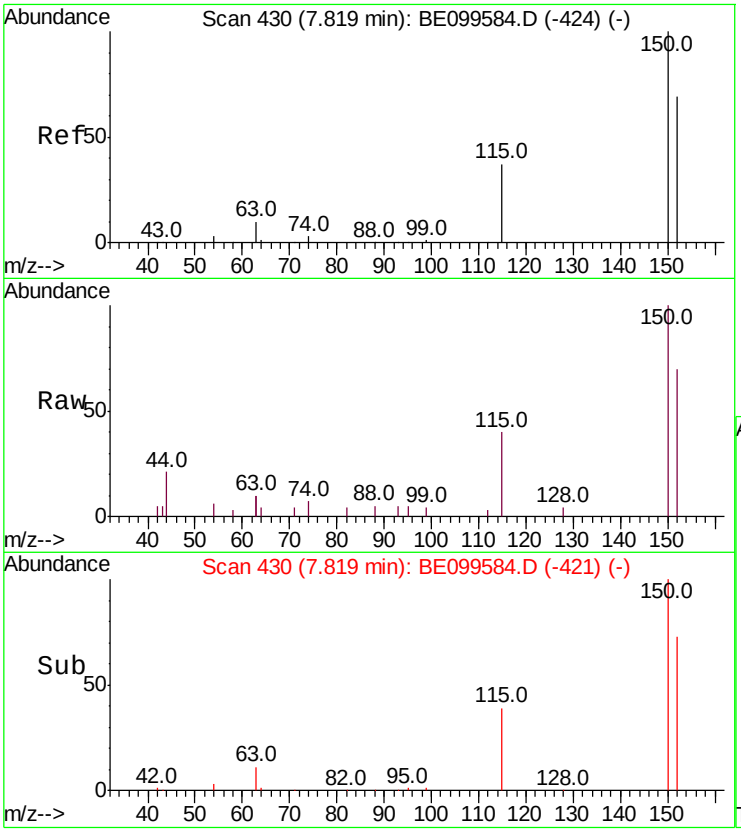
Acq On : 9 May 2019 10:33
Operator : JU/SJ
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: May 09 11:57:11 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



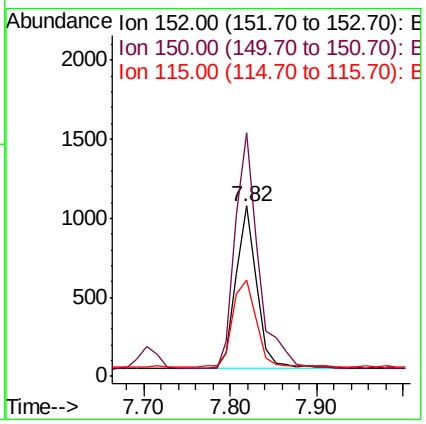


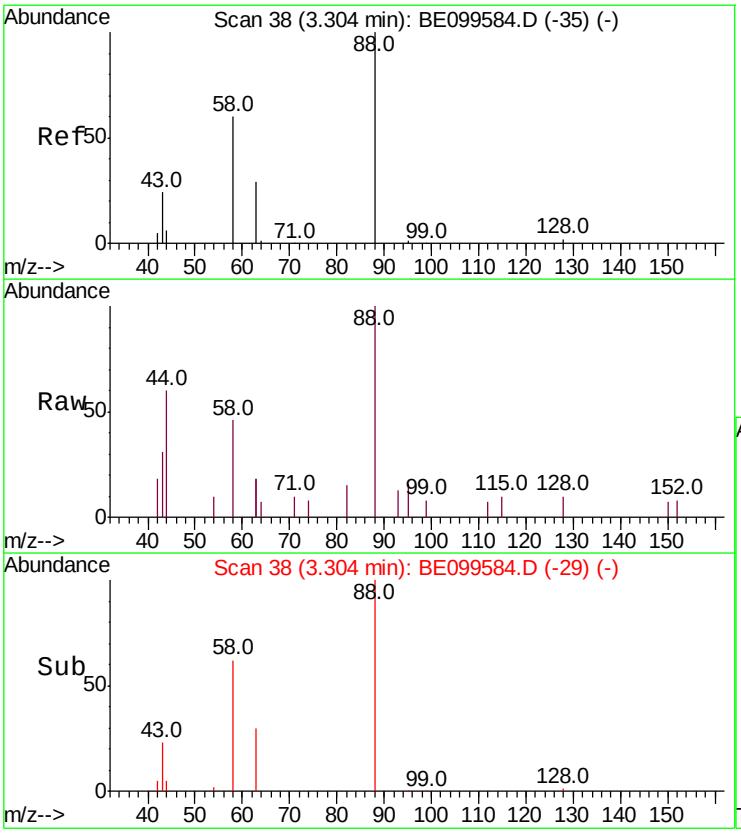
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 1725

Ion	Ratio	Lower	Upper
152	100		
150	142.8	114.2	171.4
115	56.7	45.4	68.0

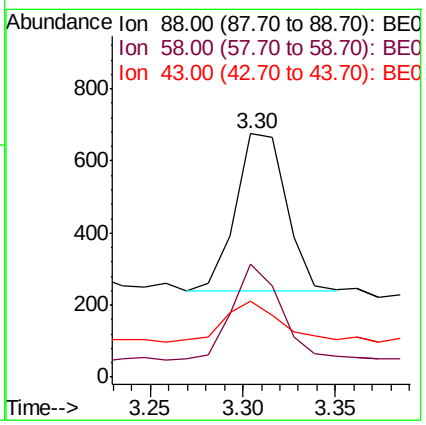


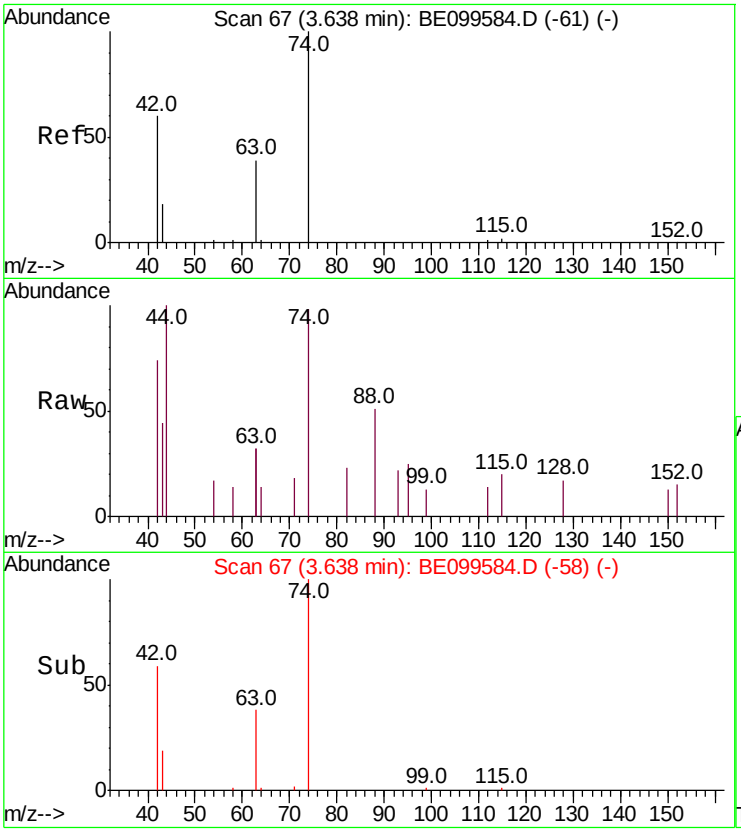


#2
1,4-Dioxane
Concen: 0.341 ng
RT: 3.30 min Scan# 38
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion: 88 Resp: 831

Ion	Ratio	Lower	Upper
88	100		
58	61.0	41.3	61.9
43	27.8	21.0	31.6



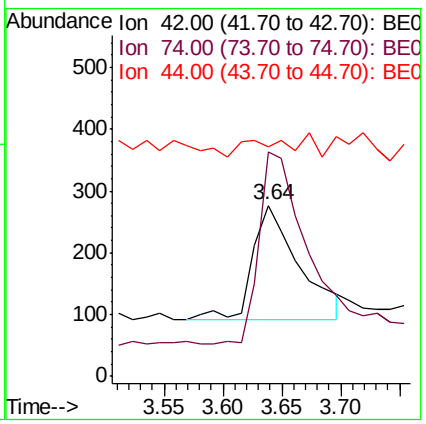


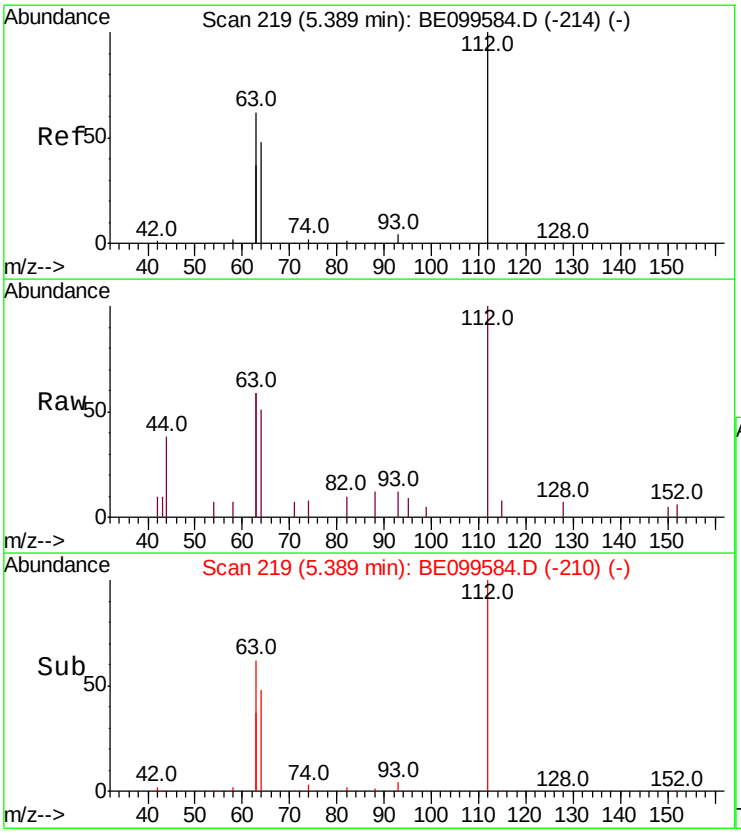
#3
n-Nitrosodimethylamine
Concen: 0.313 ng
RT: 3.64 min Scan# 67
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 505

Ion	Ratio	Lower	Upper
42	100		
74	171.1	136.9	205.3
44	8.9	7.1	10.7

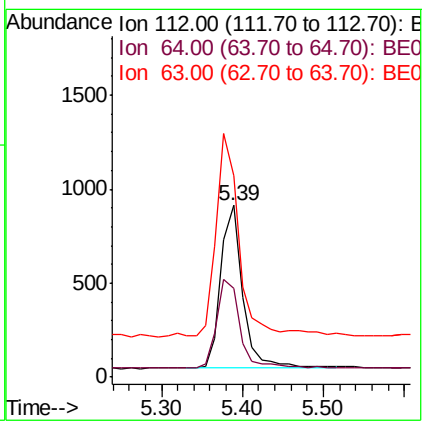


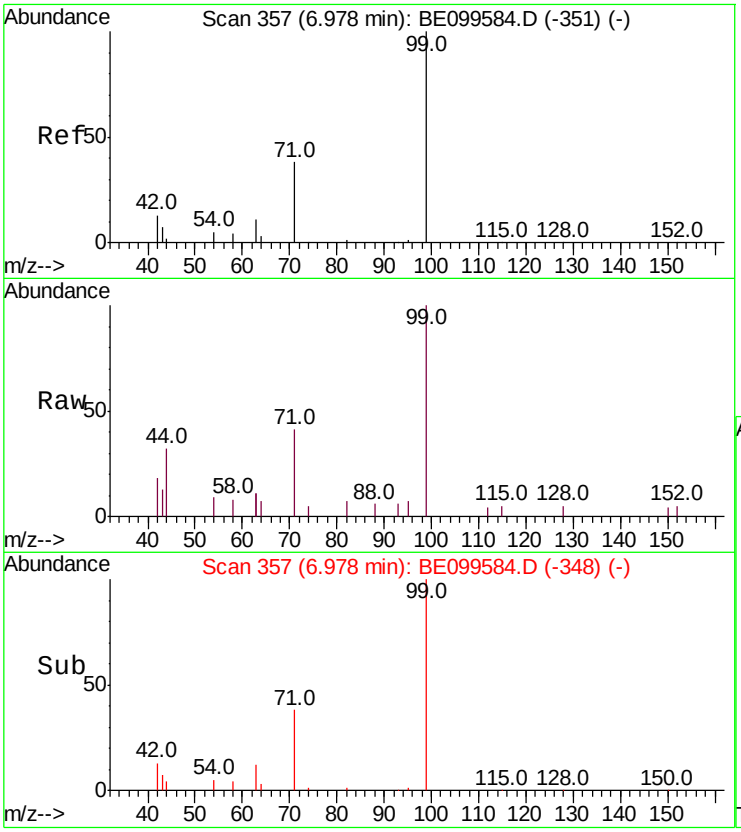


#4
2-Fluorophenol
Concen: 0.342 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:112 Resp: 1636

Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.2	69.4
63	125.3	100.2	150.4



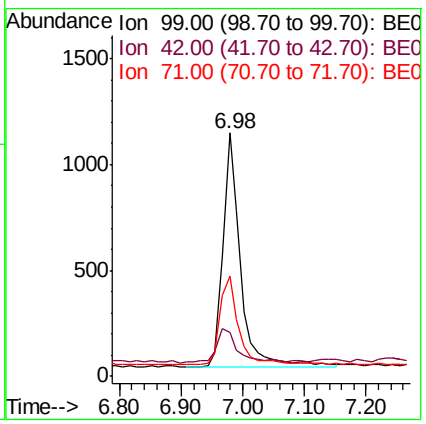


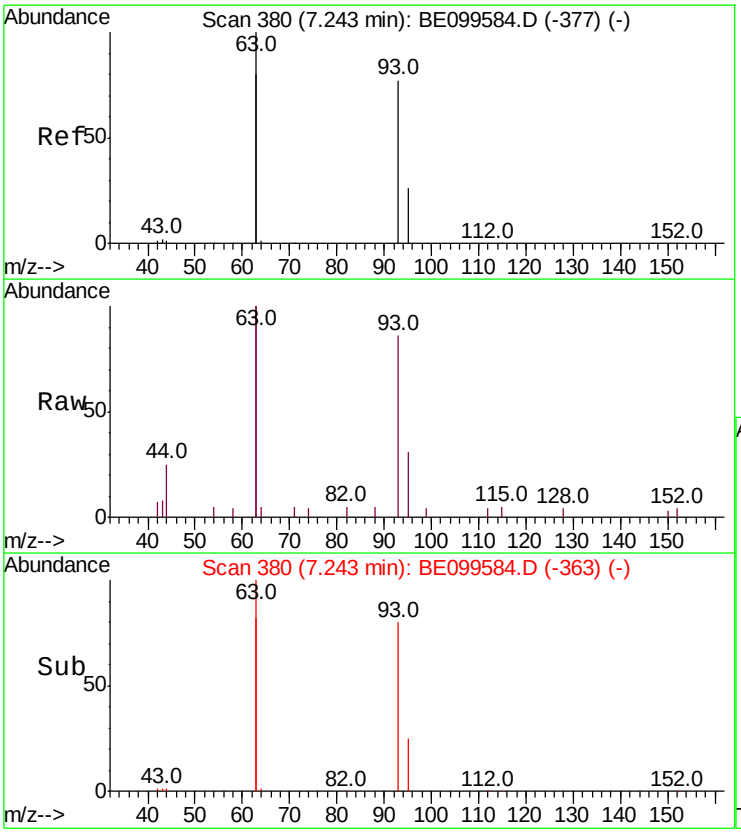
#5
Phenol-d6
Concen: 0.344 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 2166

Ion	Ratio	Lower	Upper
99	100		
42	17.3	13.8	20.8
71	40.3	32.2	48.4

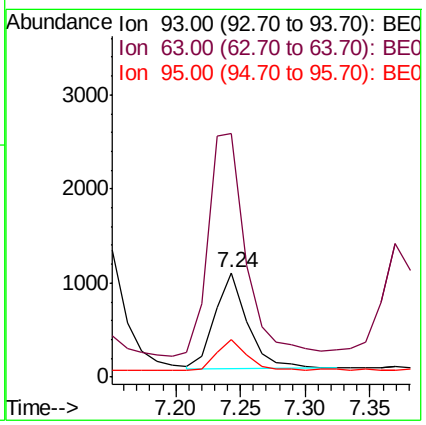


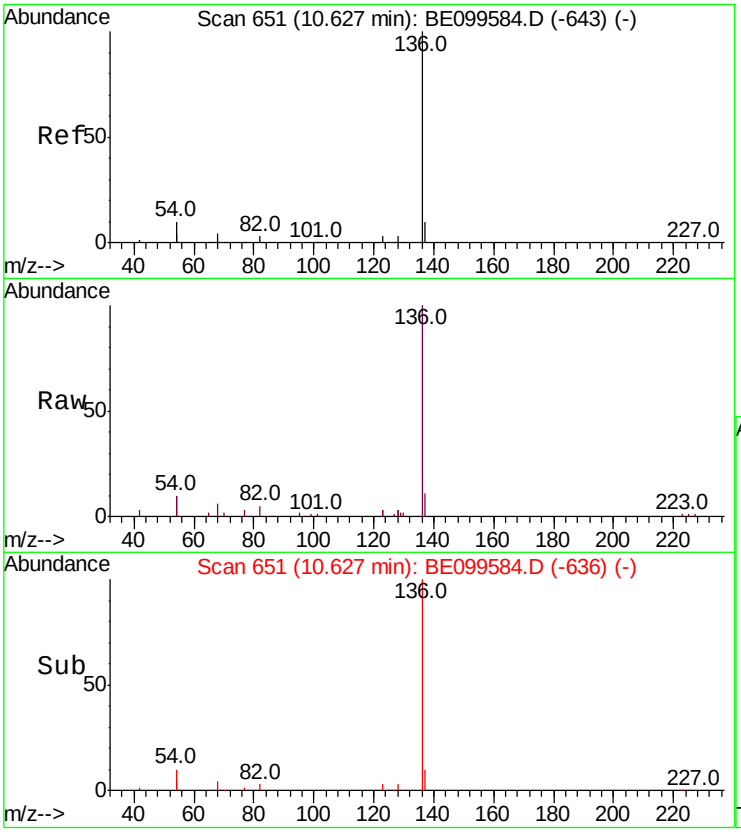


#6
bis(2-Chloroethyl)ether
Concen: 0.345 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion: 93 Resp: 1808

Ion	Ratio	Lower	Upper
93	100		
63	266.7	213.4	320.0
95	31.1	24.9	37.3



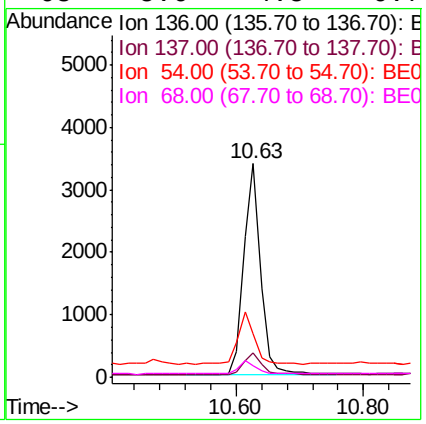


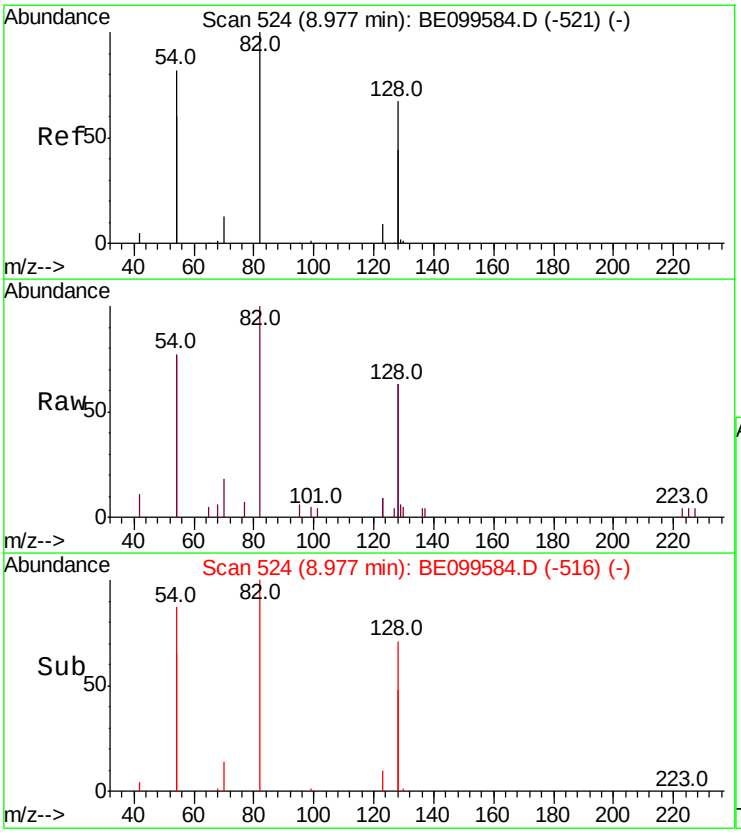
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 6205

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	20.6	16.5	24.7
68	5.6	4.5	6.7

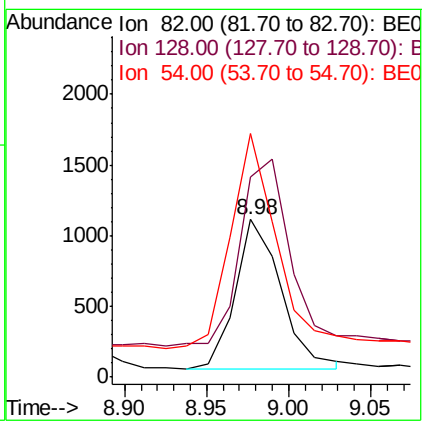


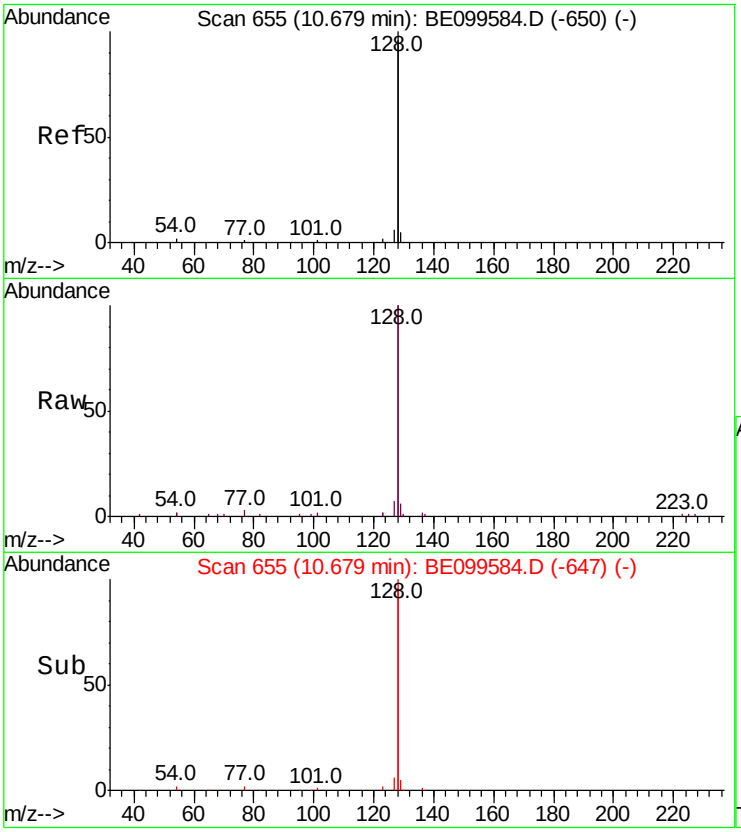


#8
Nitrobenzene-d5
Concen: 0.343 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion: 82 Resp: 2049

Ion	Ratio	Lower	Upper
82	100		
128	126.9	101.5	152.3
54	154.7	123.8	185.6



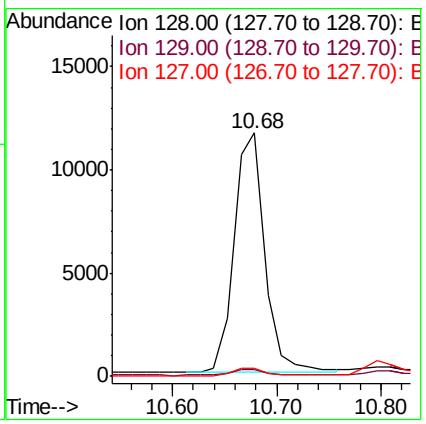


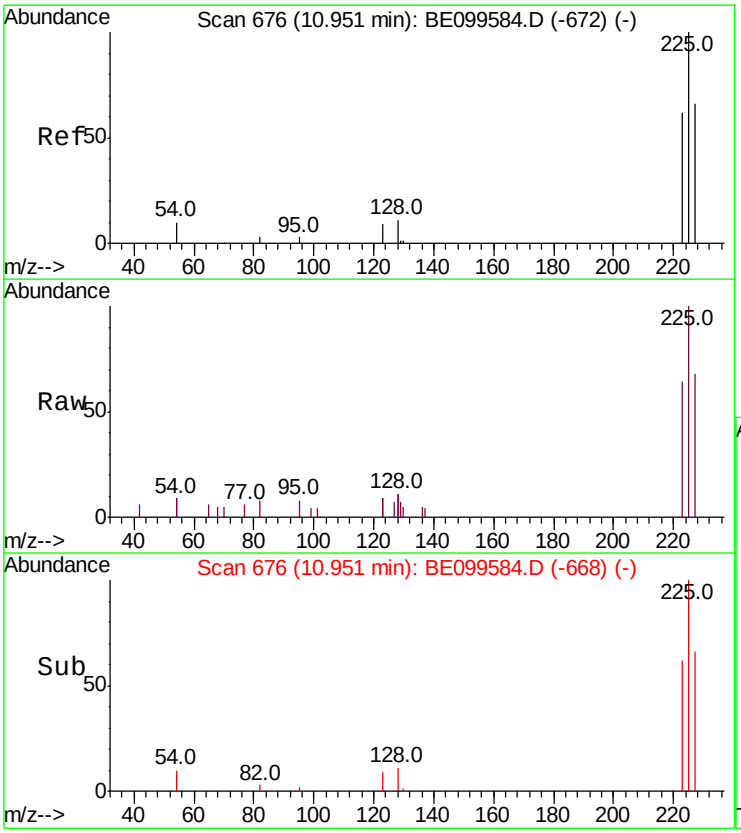
#9
Naphthalene
Concen: 0.358 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 23525

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.5	2.8	4.2

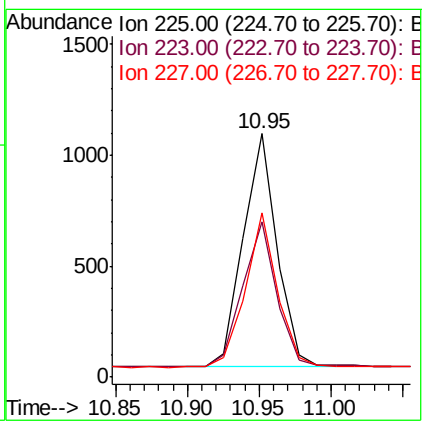


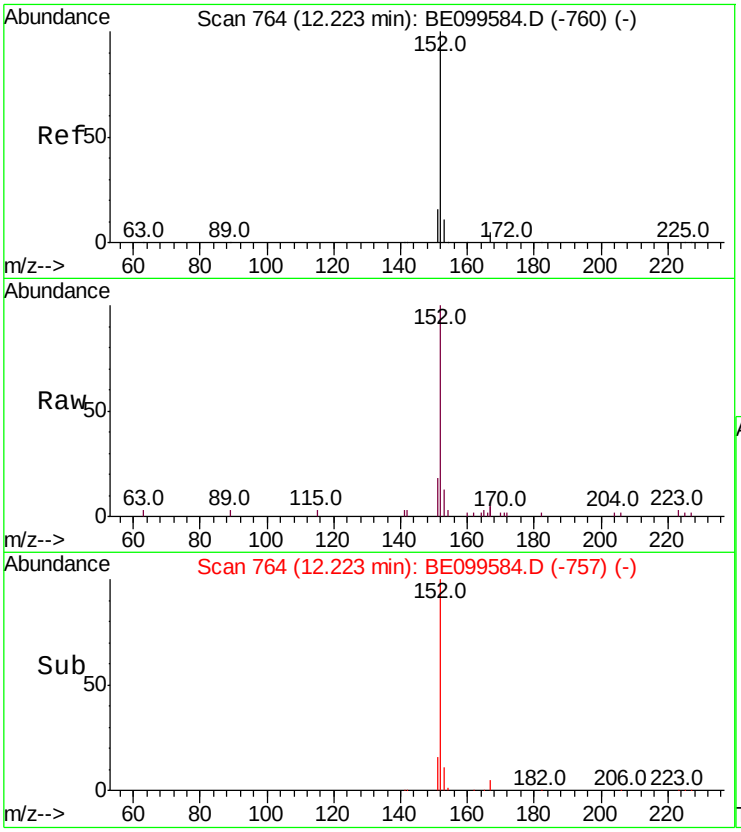


#10
Hexachlorobutadiene
Concen: 0.360 ng
RT: 10.95 min Scan# 676
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:225 Resp: 1719

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.6	74.4
227	62.6	50.1	75.1



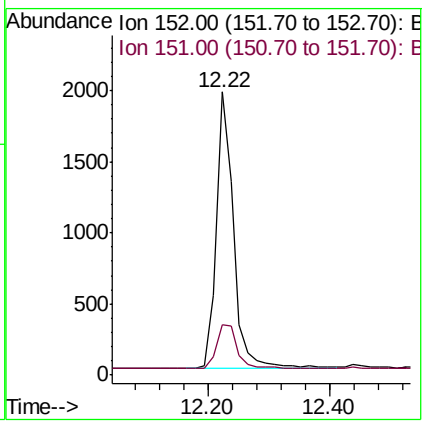


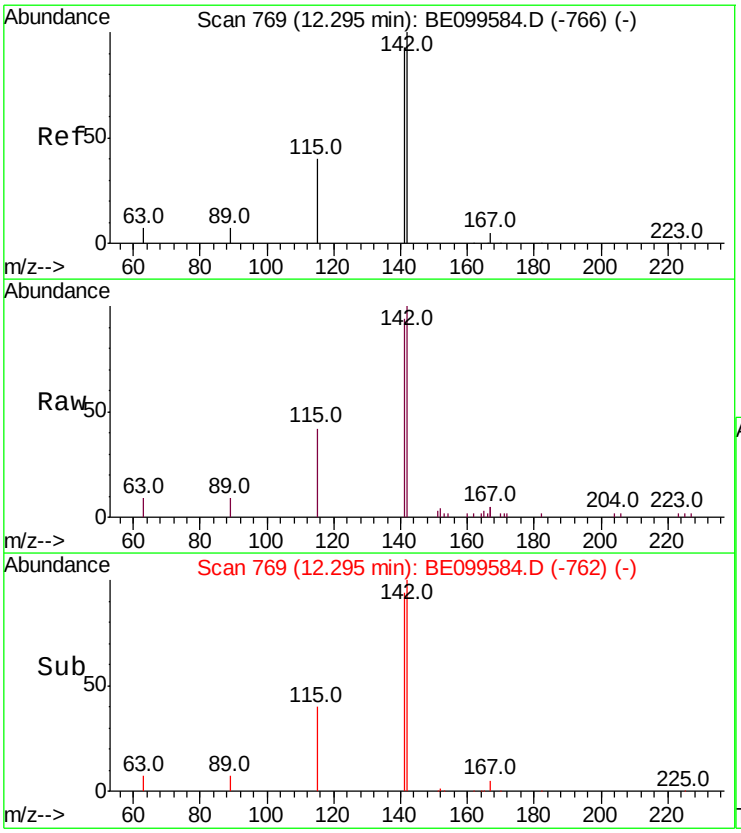
#11
2-Methylnaphthalene-d10
Concen: 0.349 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 3774

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2

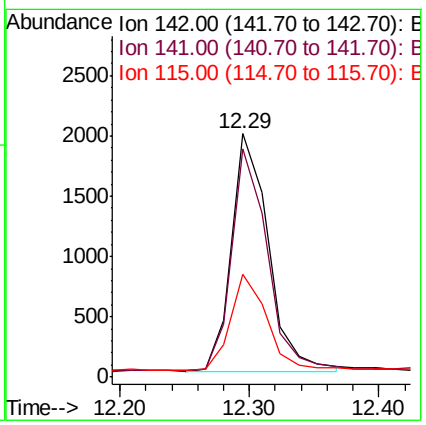


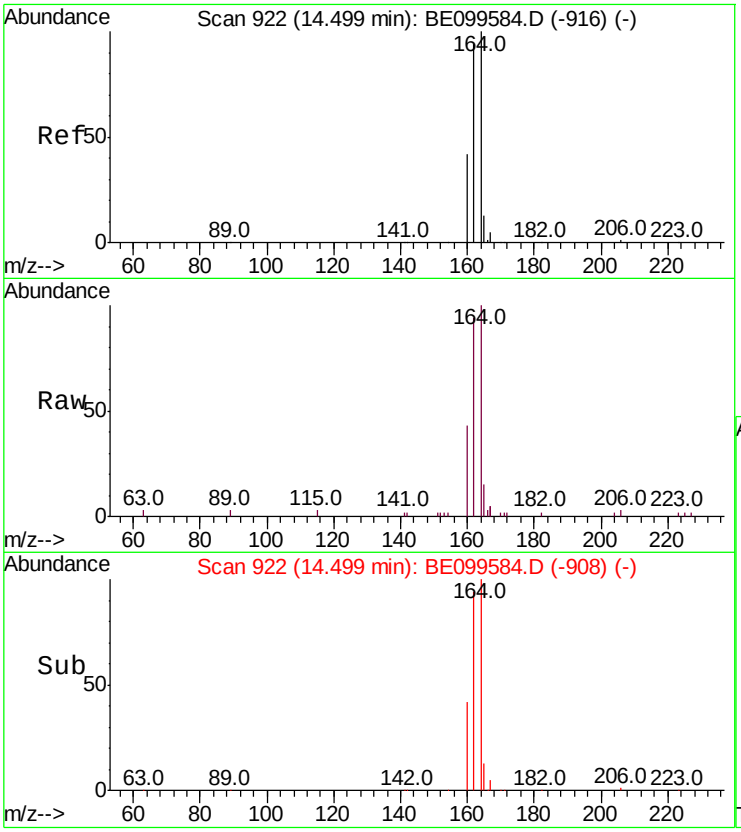


#12
2-Methylnaphthalene
Concen: 0.347 ng
RT: 12.29 min Scan# 769
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:142 Resp: 3867

Ion	Ratio	Lower	Upper
142	100		
141	93.7	75.0	112.4
115	42.1	33.7	50.5



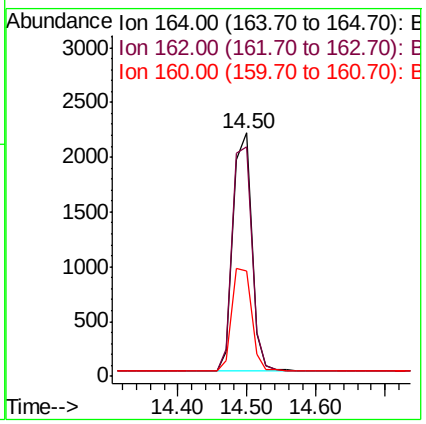


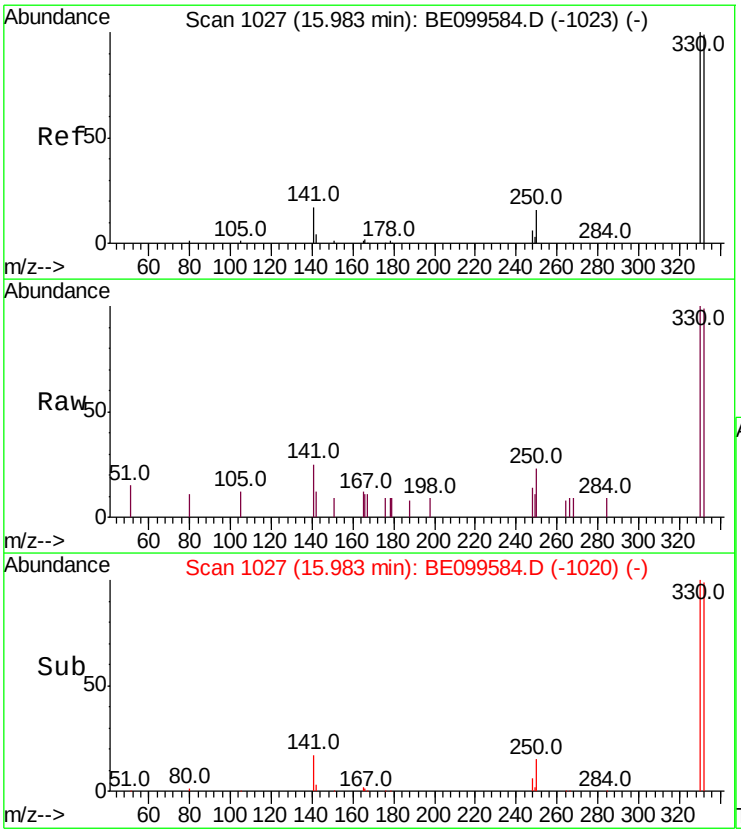
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 4109

Ion	Ratio	Lower	Upper
164	100		
162	94.1	75.3	112.9
160	43.4	34.7	52.1

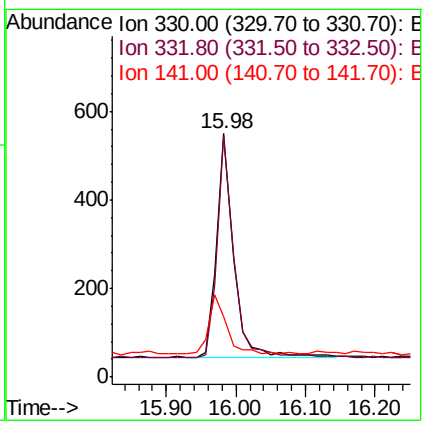


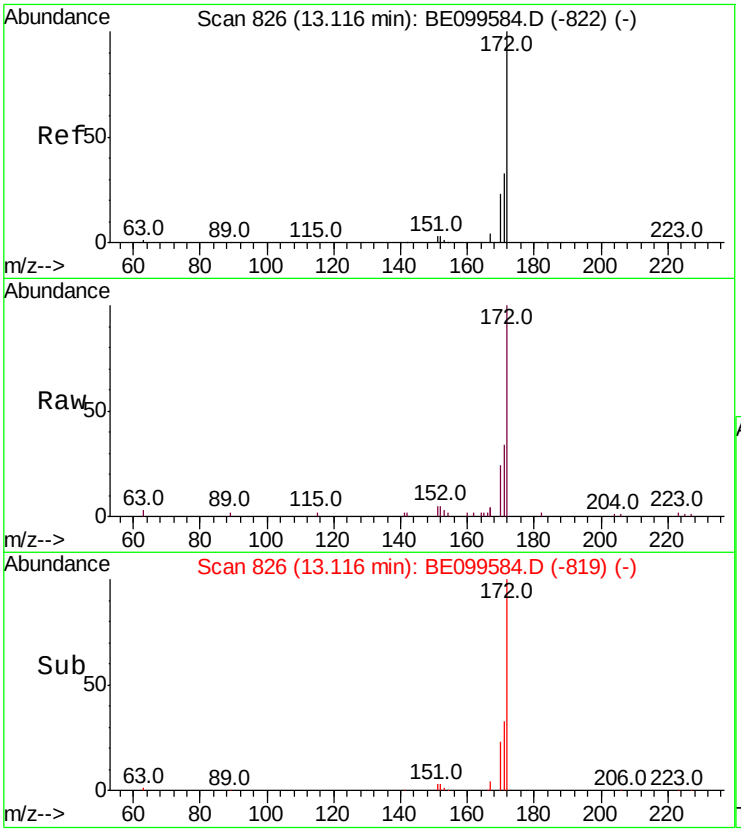


#14
2,4,6-Tribromophenol
Concen: 0.310 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:330 Resp: 849

Ion	Ratio	Lower	Upper
330	100		
332	98.4	78.7	118.1
141	27.9	22.3	33.5



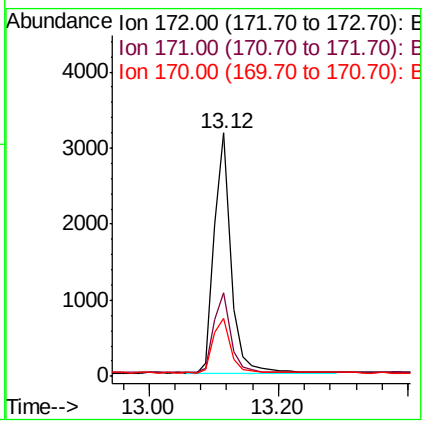


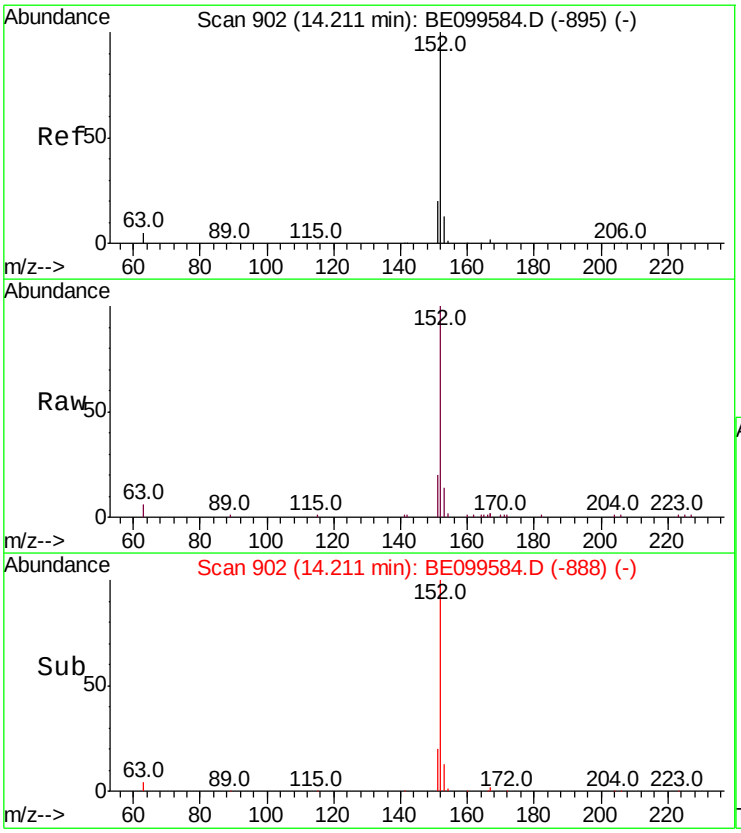
#15
2-Fluorobiphenyl
Concen: 0.366 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 5704

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.5	41.3
170	23.9	19.1	28.7

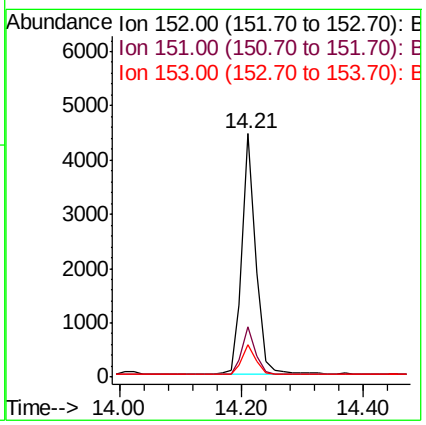


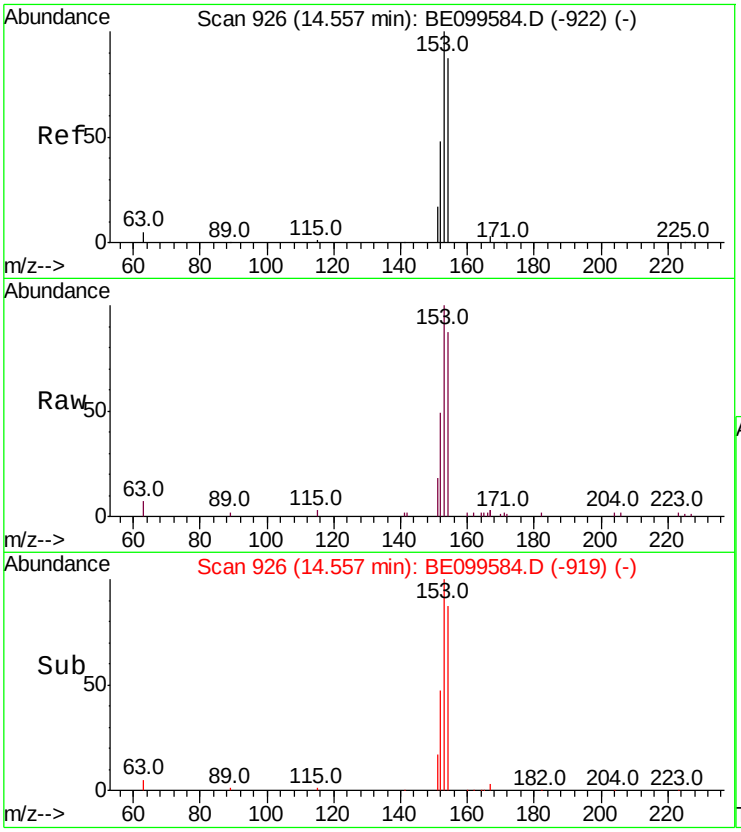


#16
Acenaphthylene
Concen: 0.356 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:152 Resp: 7065

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	12.8	10.2	15.4



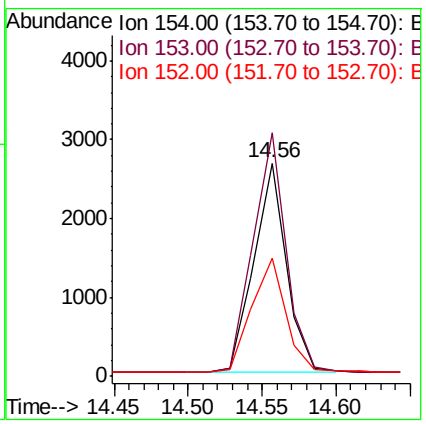


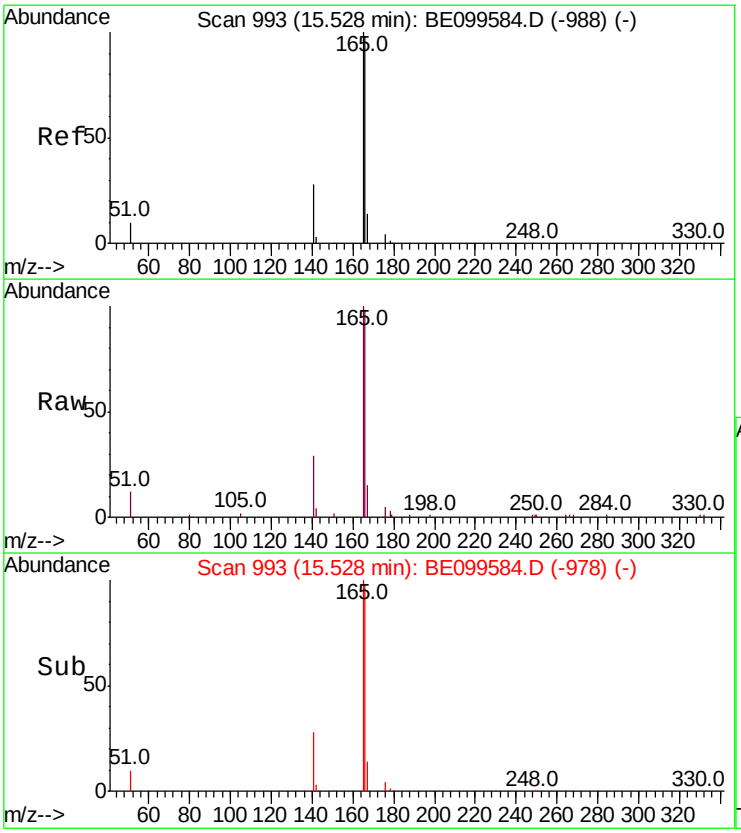
#17
Acenaphthene
Concen: 0.363 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 4020

Ion	Ratio	Lower	Upper
154	100		
153	116.1	92.9	139.3
152	57.9	46.3	69.5

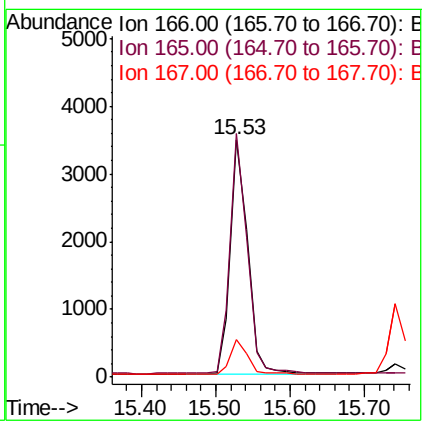


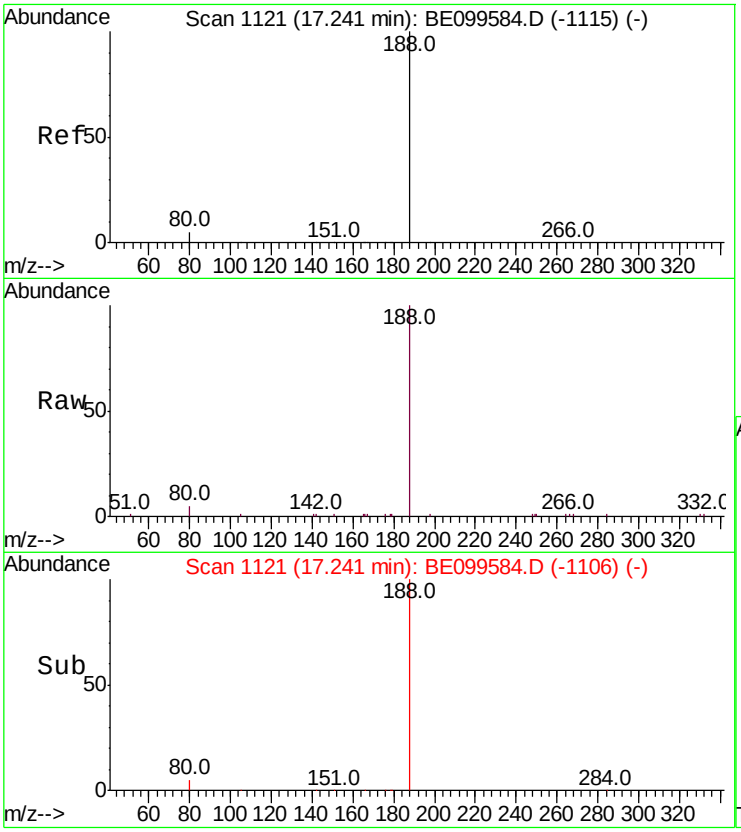


#18
Fluorene
Concen: 0.354 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:166 Resp: 5605

Ion	Ratio	Lower	Upper
166	100		
165	100.6	80.5	120.7
167	14.5	11.6	17.4



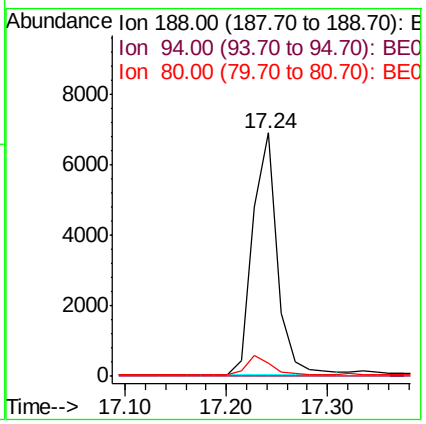


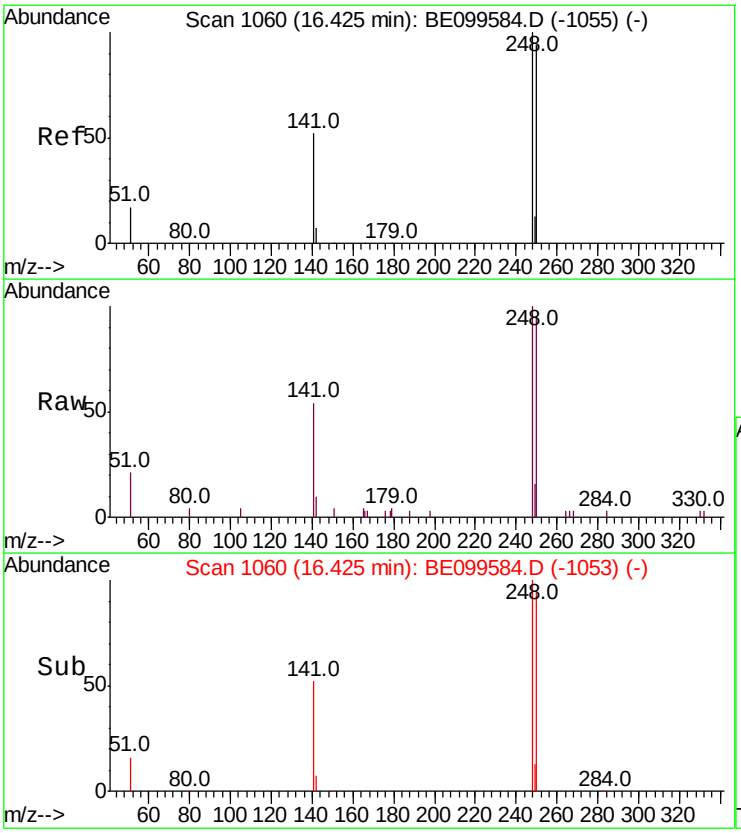
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 11611

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.5	4.4	6.6

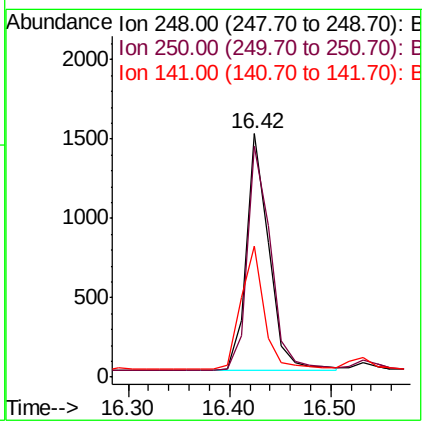


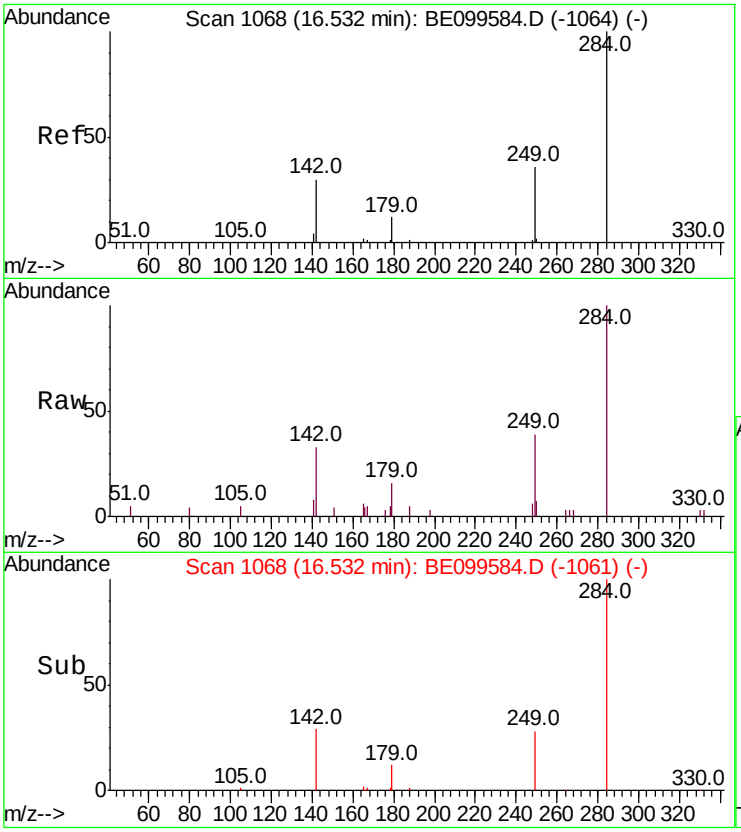


#20
4-Bromophenyl-phenylether
Concen: 0.350 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:248 Resp: 2307

Ion	Ratio	Lower	Upper
248	100		
250	94.6	75.7	113.5
141	53.6	42.9	64.3



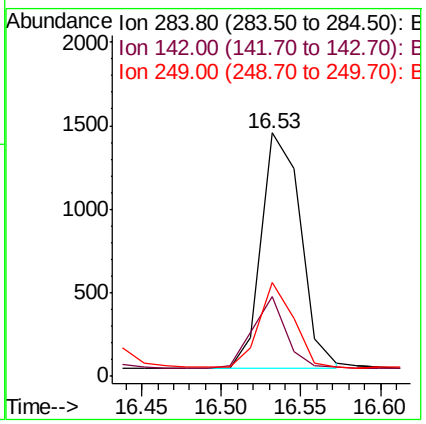


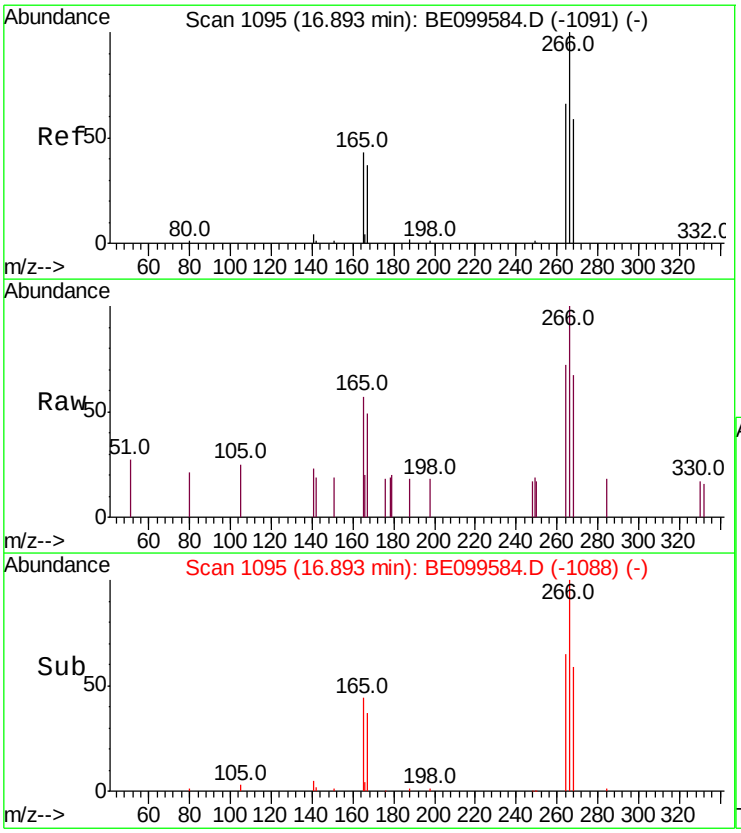
#21
Hexachlorobenzene
Concen: 0.367 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 2409

Ion	Ratio	Lower	Upper
284	100		
142	25.2	20.6	30.8
249	32.0	25.8	38.6

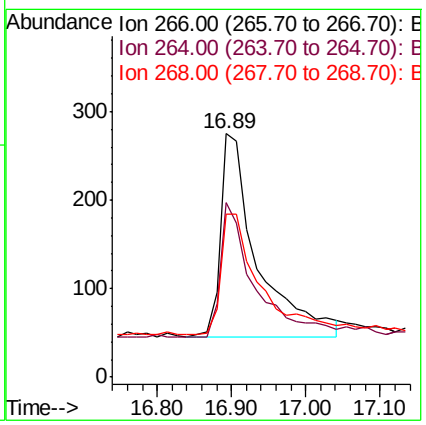


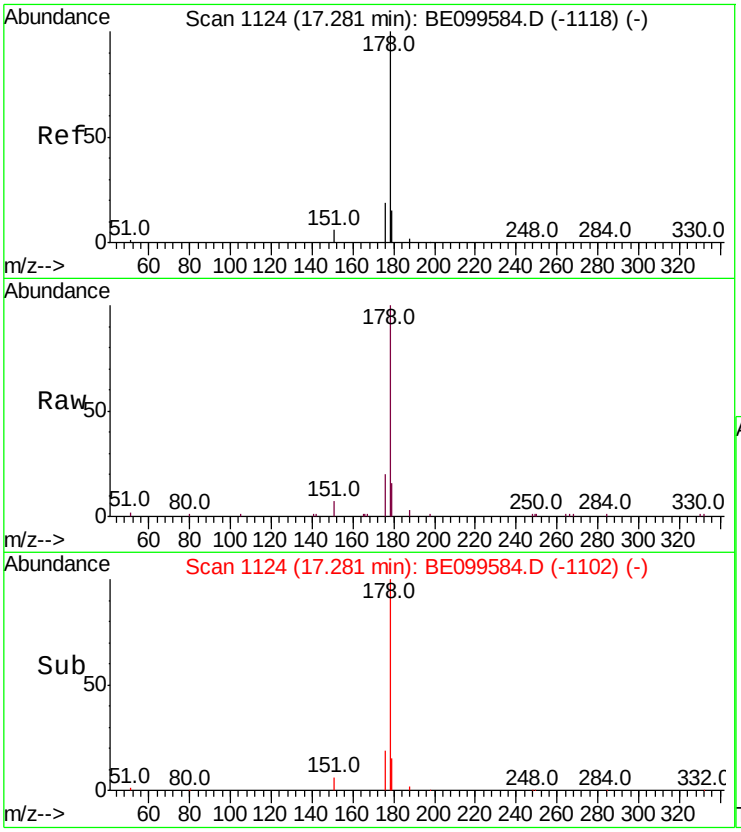


#22
Pentachlorophenol
Concen: 0.291 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:266 Resp: 786

Ion	Ratio	Lower	Upper
266	100		
264	71.6	57.3	85.9
268	66.9	53.5	80.3



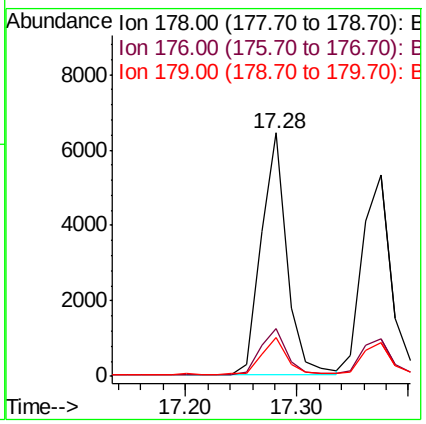


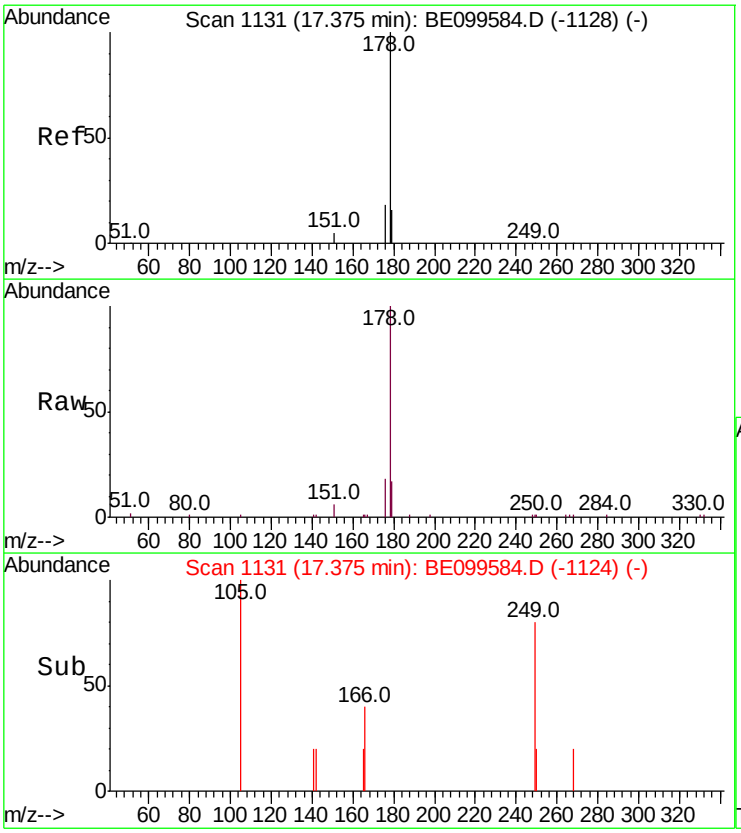
#23
Phenanthrene
Concen: 0.360 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 10289

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.2	12.2	18.2

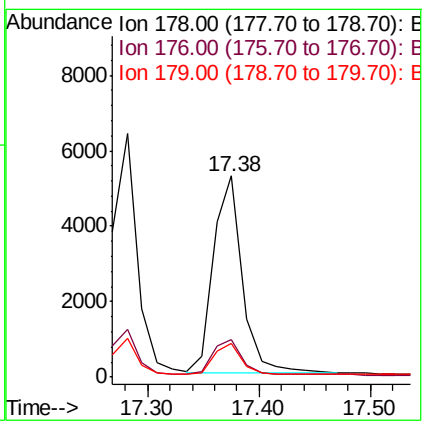


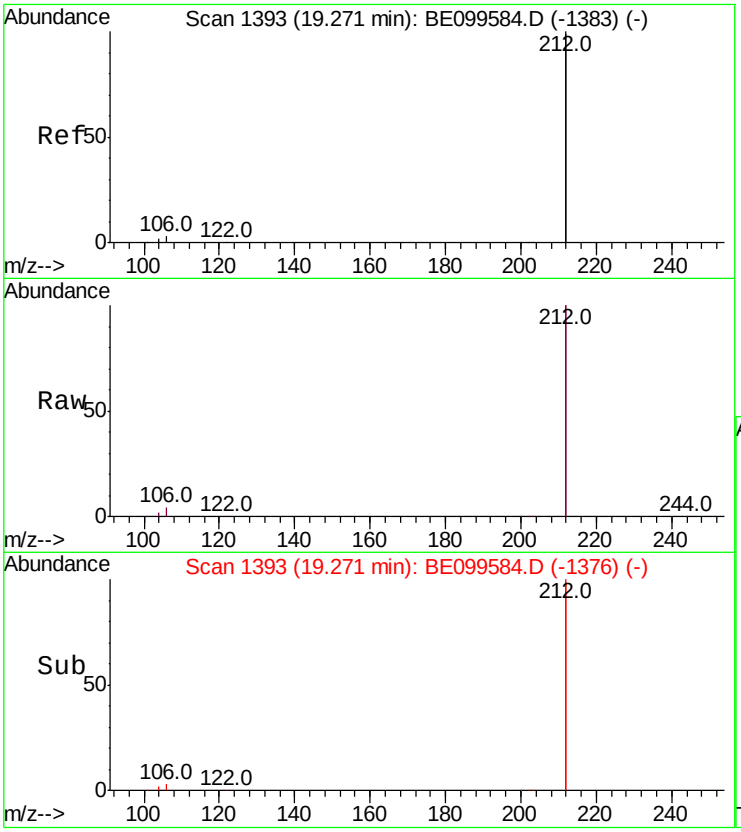


#24
Anthracene
Concen: 0.339 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:178 Resp: 9319

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	15.4	12.3	18.5



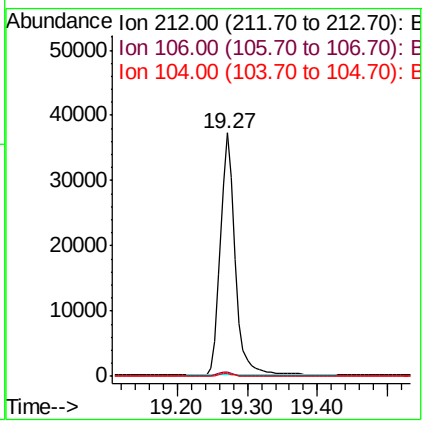


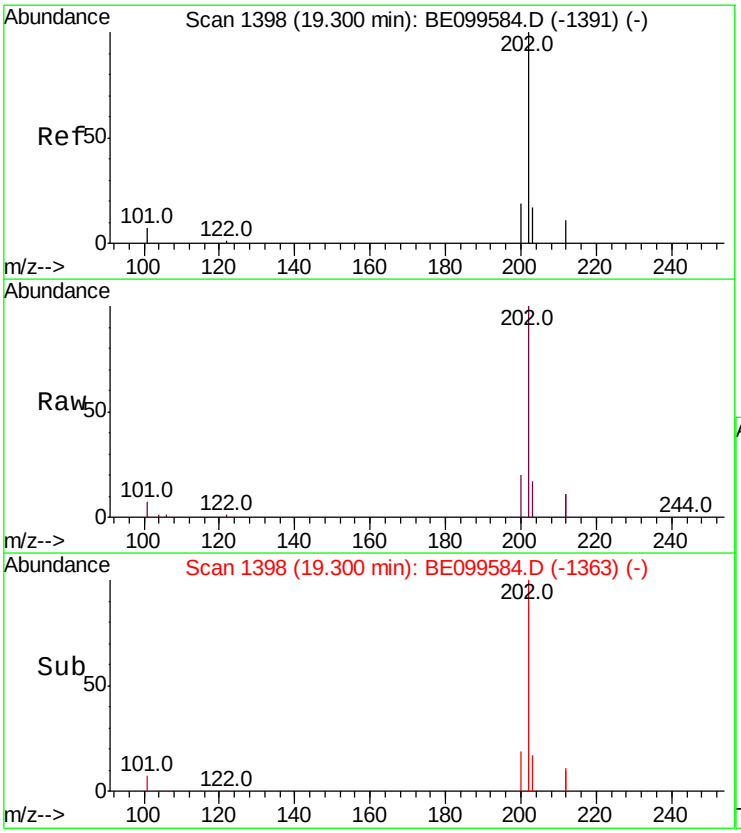
#25
Fluoranthene-d10
Concen: 0.348 ng
RT: 19.27 min Scan# 1393
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 54331

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.1	0.9	1.3

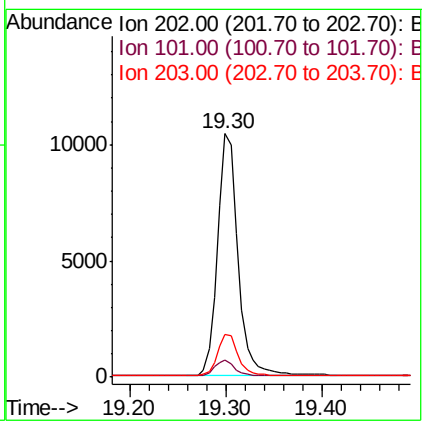


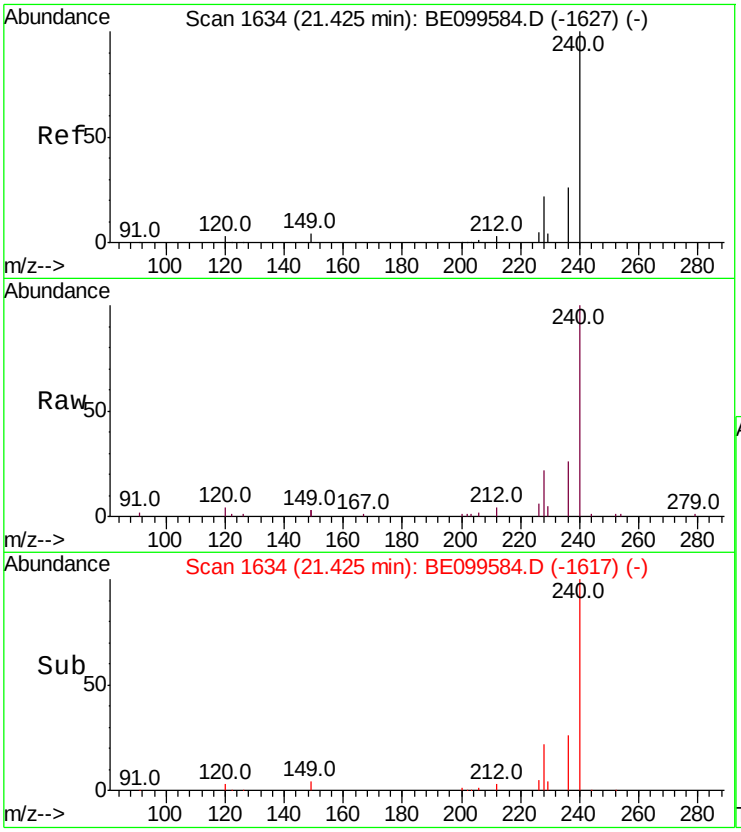


#26
Fluoranthene
Concen: 0.352 ng
RT: 19.30 min Scan# 1398
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:202 Resp: 15525

Ion	Ratio	Lower	Upper
202	100		
101	6.8	5.4	8.2
203	17.1	13.7	20.5



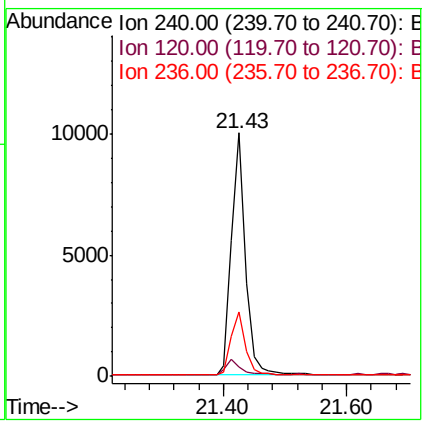


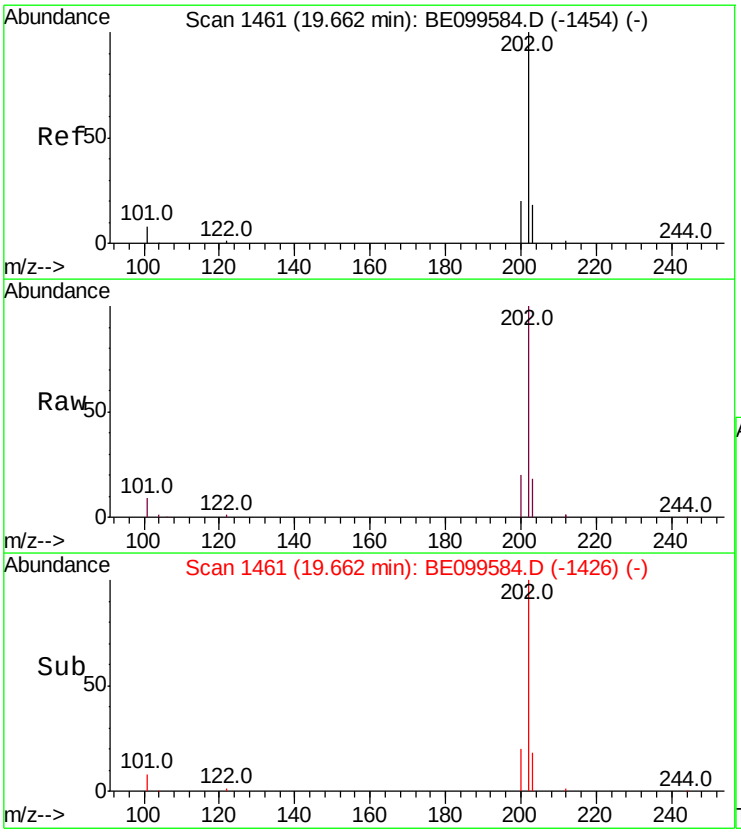
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 15508

Ion	Ratio	Lower	Upper
240	100		
120	4.0	3.2	4.8
236	26.3	21.0	31.6

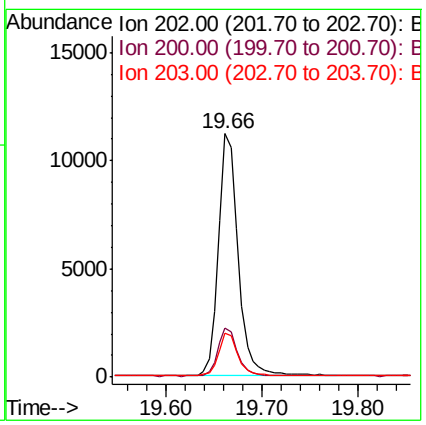


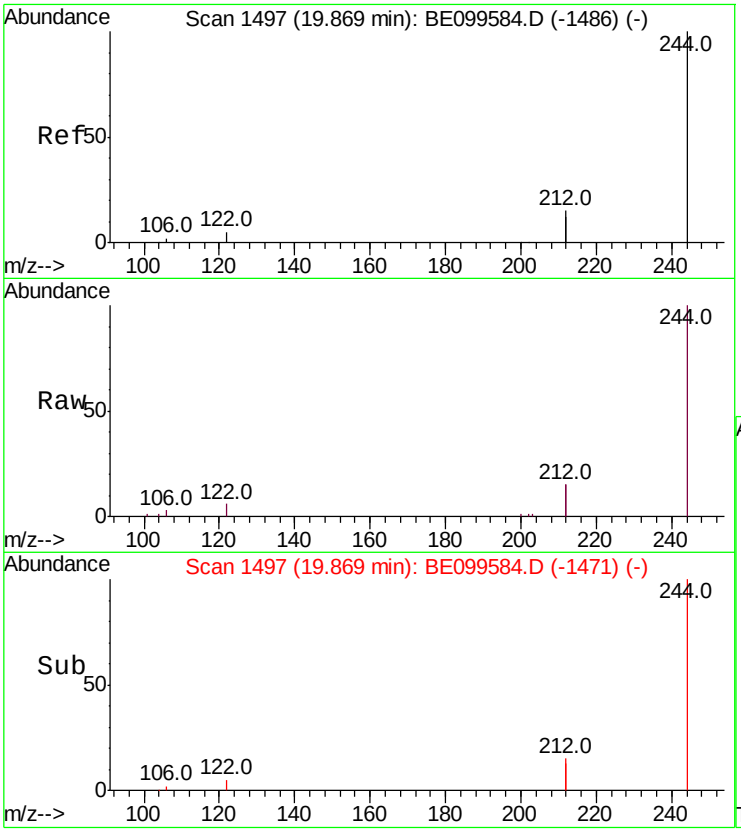


#28
Pyrene
Concen: 0.388 ng
RT: 19.66 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:202 Resp: 16130

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.9	23.9
203	17.6	14.1	21.1



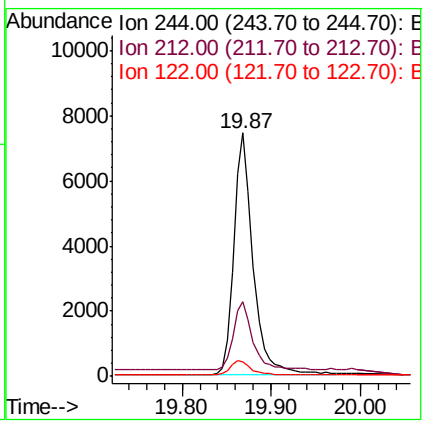


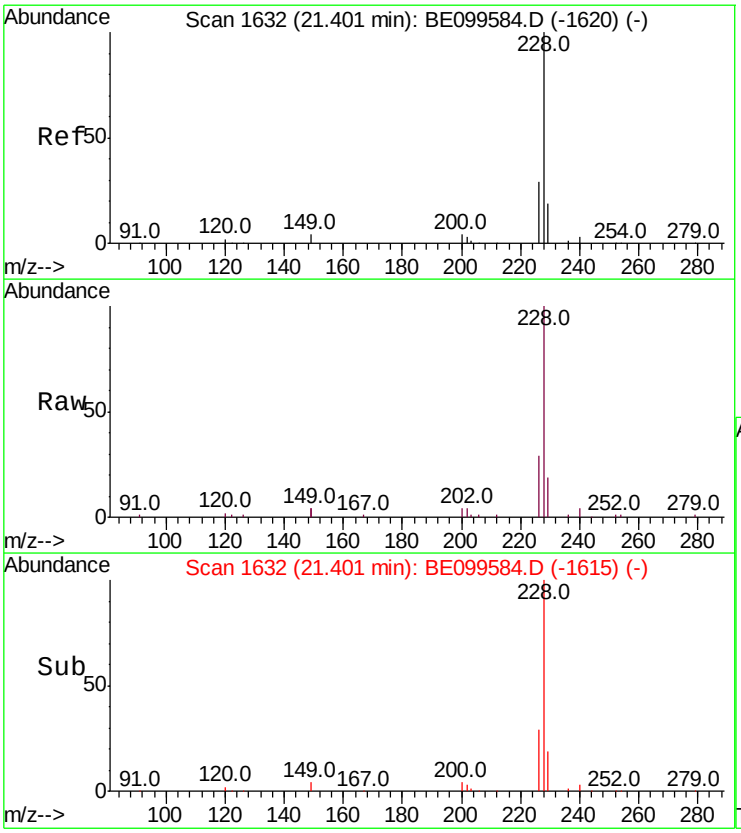
#29
Terphenyl-d14
Concen: 0.378 ng
RT: 19.87 min Scan# 1497
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 10866

Ion	Ratio	Lower	Upper
244	100		
212	30.5	24.4	36.6
122	5.7	4.6	6.8

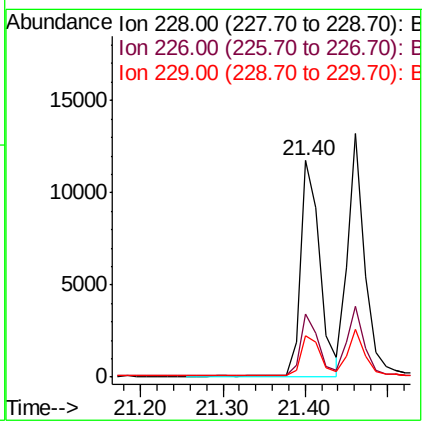


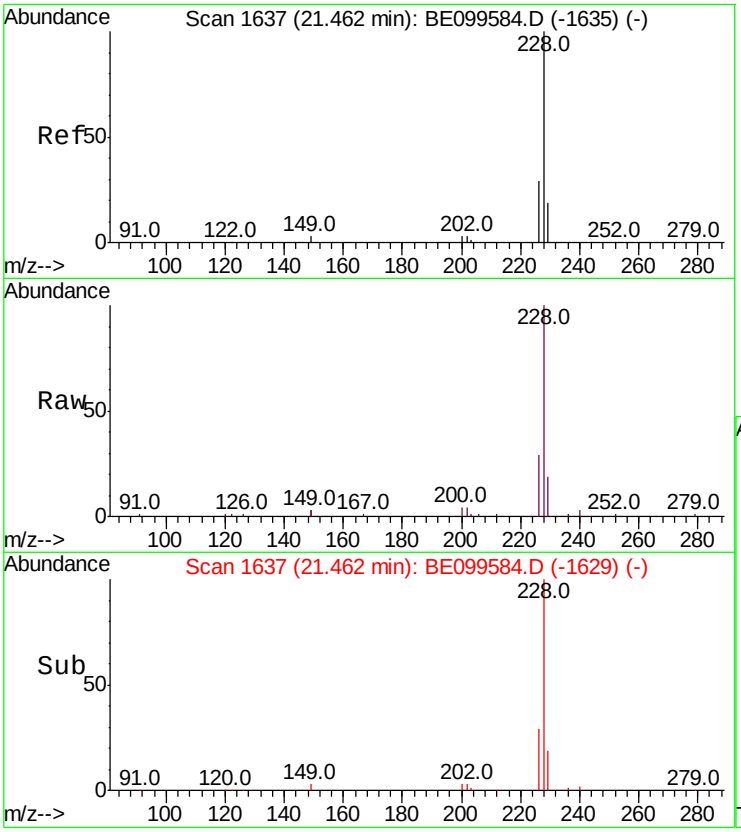


#30
Benzo(a)anthracene
Concen: 0.391 ng
RT: 21.40 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:228 Resp: 18782

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	19.4	15.5	23.3



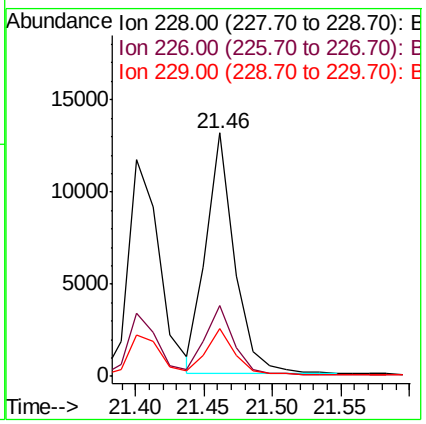


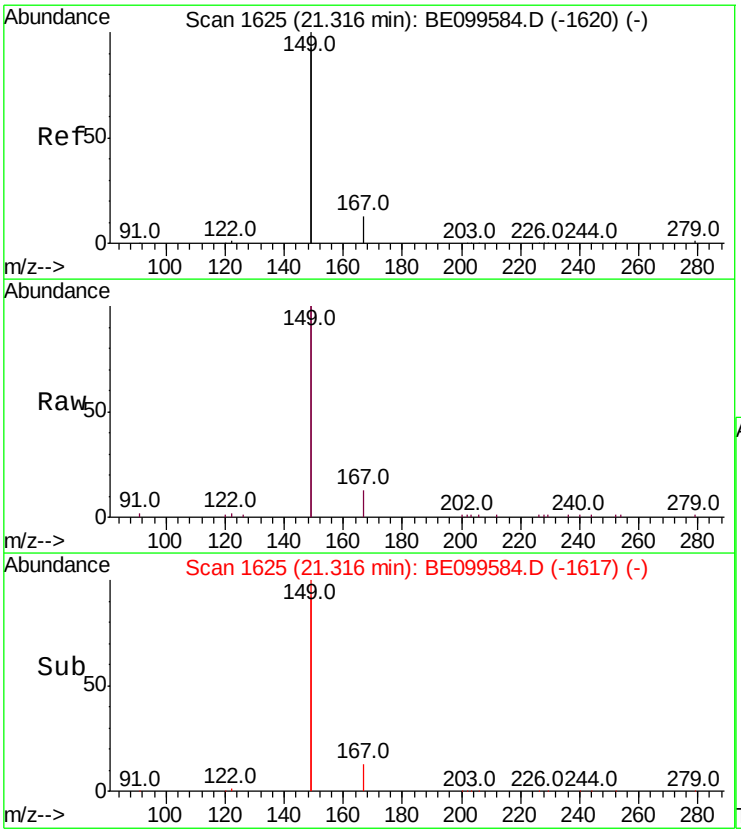
#31
Chrysene
Concen: 0.396 ng
RT: 21.46 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 18792

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.2	34.8
229	19.5	15.6	23.4

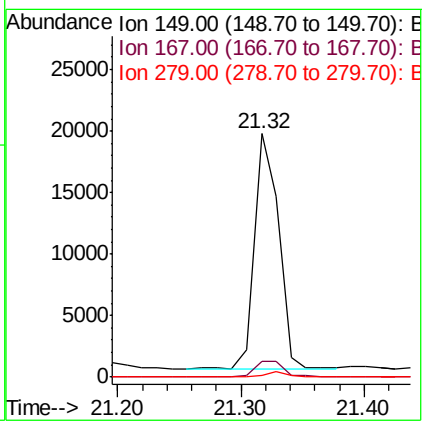


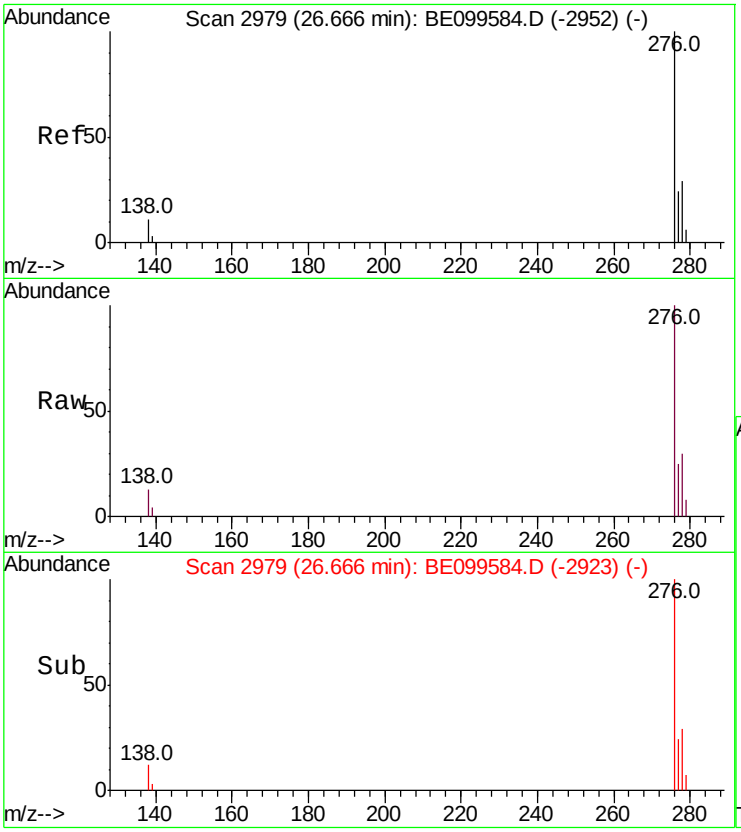


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.342 ng
RT: 21.32 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:149 Resp: 26072

Ion	Ratio	Lower	Upper
149	100		
167	7.5	6.0	9.0
279	1.5	1.1	1.7



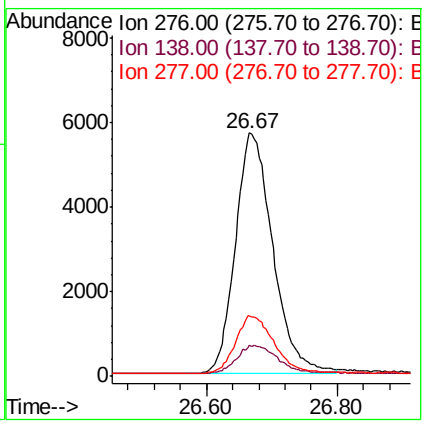


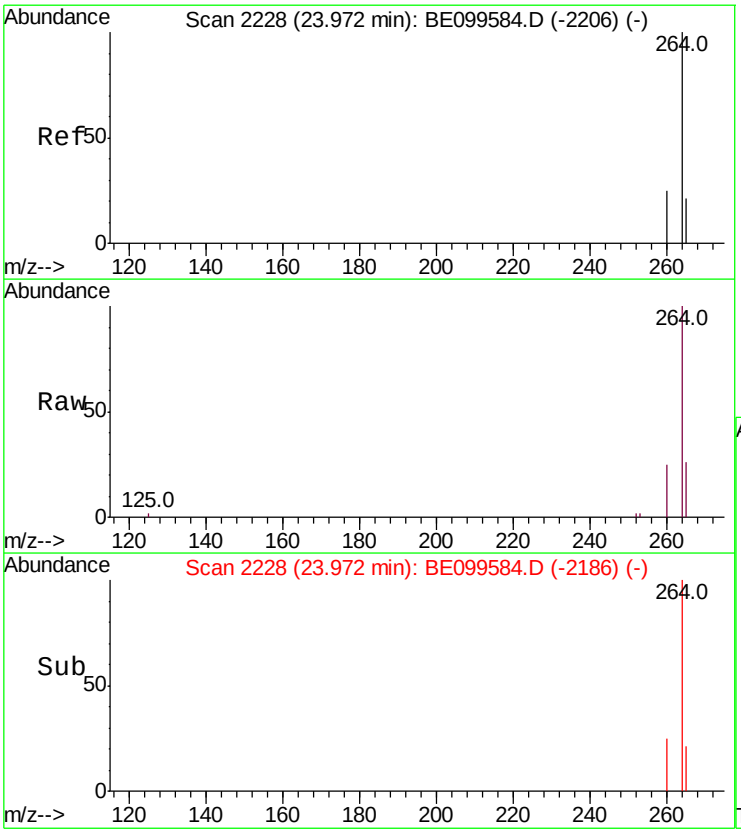
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.403 ng
RT: 26.67 min Scan# 2979
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 22715

Ion	Ratio	Lower	Upper
276	100		
138	12.7	10.2	15.2
277	24.8	19.8	29.8

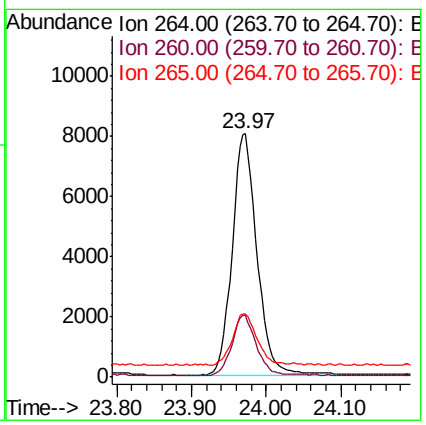


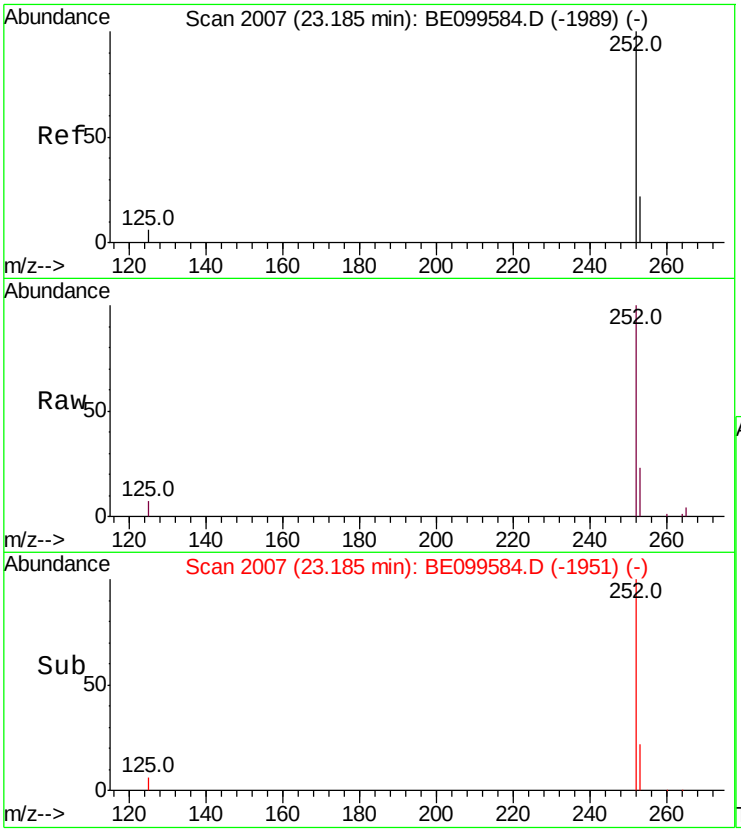


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.97 min Scan# 2228
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:264 Resp: 18555

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.3	30.5
265	26.1	20.9	31.3



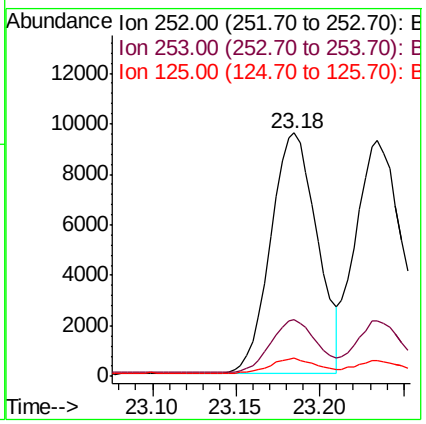


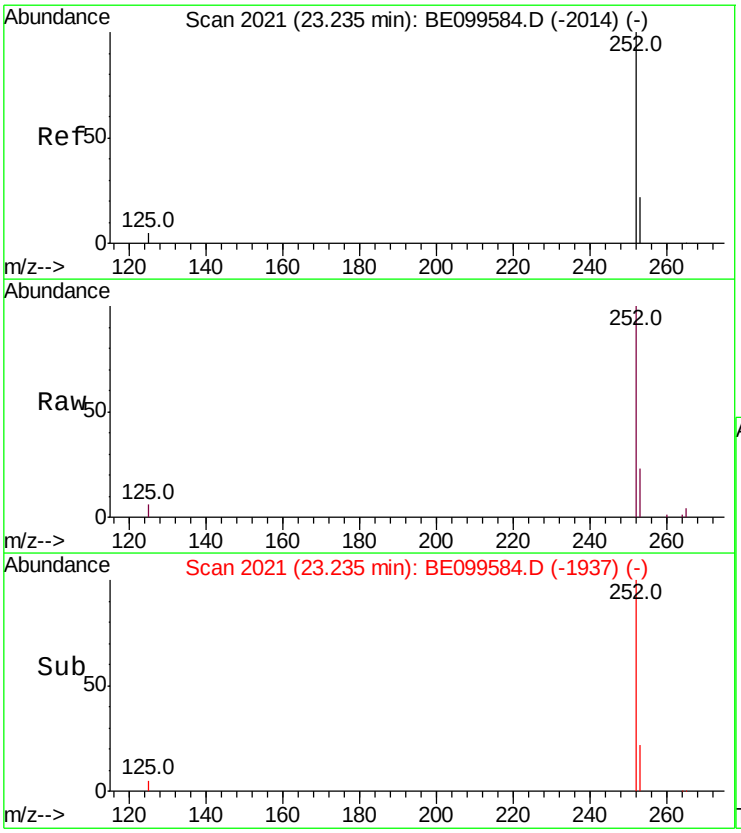
#35
Benzo(b)fluoranthene
Concen: 0.363 ng
RT: 23.18 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 18596

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	7.5	6.0	9.0

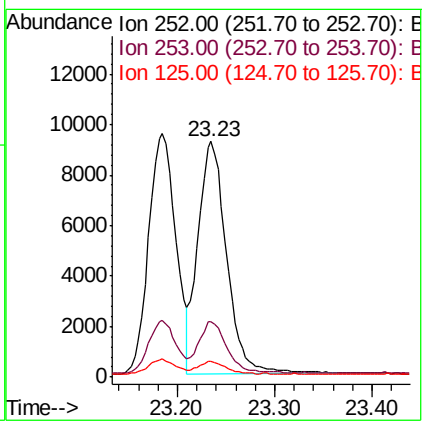


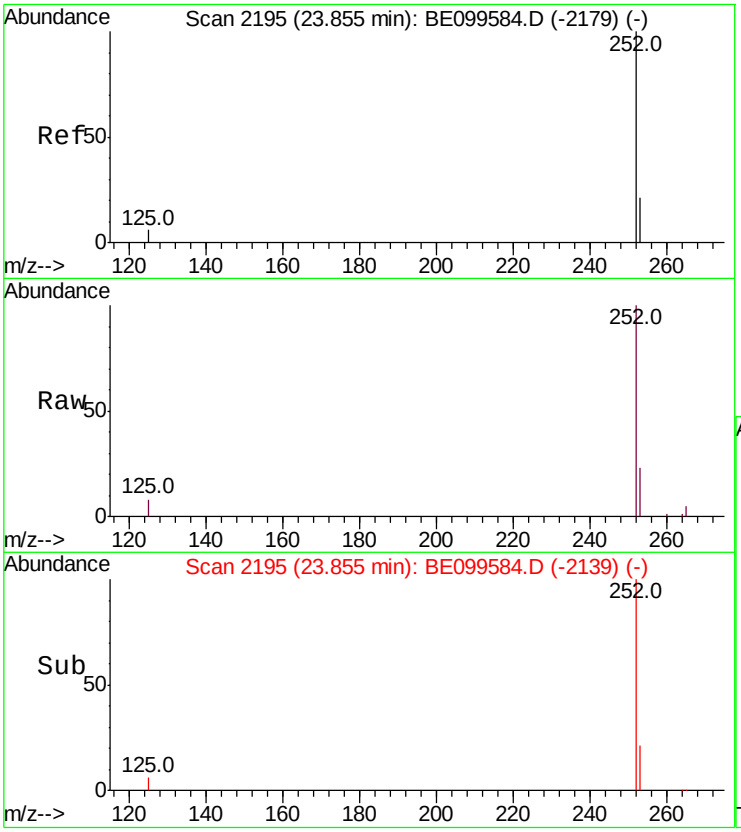


#36
Benzo(k)fluoranthene
Concen: 0.373 ng
RT: 23.23 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:252 Resp: 18790

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.7	28.1
125	6.4	5.1	7.7



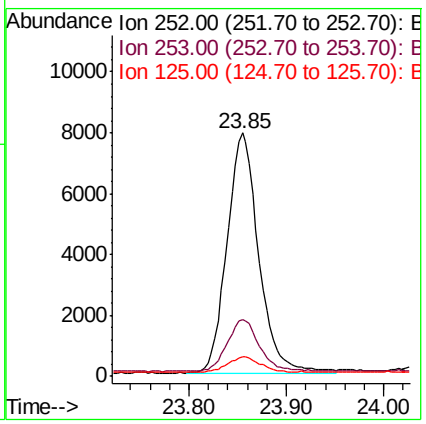


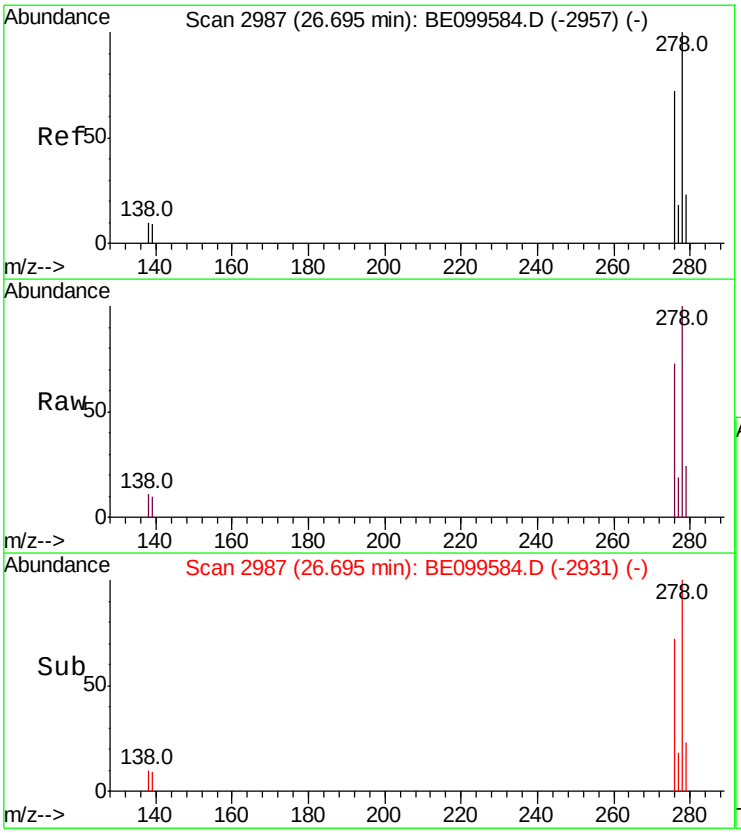
#37
Benzo(a)pyrene
Concen: 0.364 ng
RT: 23.85 min Scan# 2195
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 17966

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	27.8
125	8.0	6.4	9.6

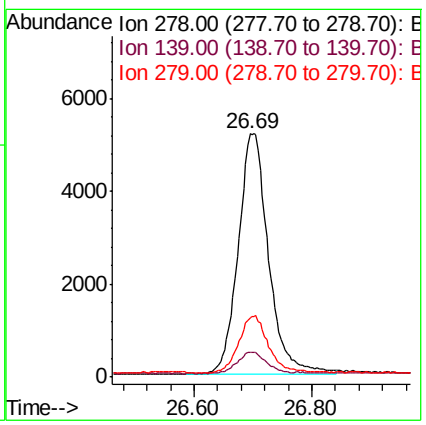


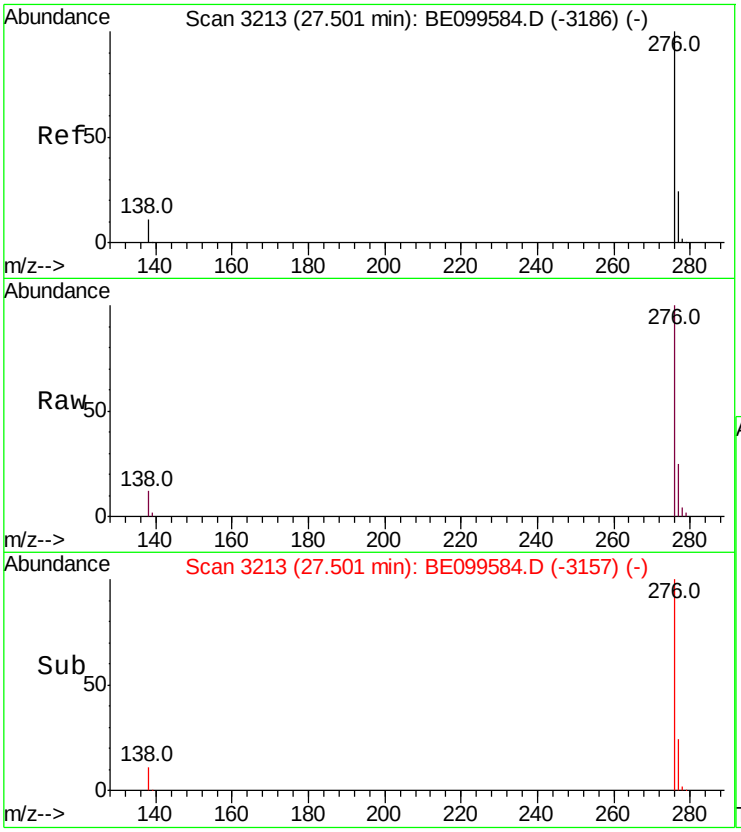


#38
Dibenzo(a,h)anthracene
Concen: 0.365 ng
RT: 26.69 min Scan# 2987
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Tgt Ion:278 Resp: 18646

Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.3	12.5
279	24.3	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 0.372 ng
RT: 27.50 min Scan# 3213
Delta R.T. 0.00 min
Lab File: BE099584.D
Acq: 9 May 2019 10:33

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 19031

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.6
138	11.8	9.4	14.2