Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE041519\
Data File : BE099327.D
Acq On : 15 Apr 2019 15:53
Operator : JU/SJ
Sample : K2366-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MSD

Manual Integrations APPROVED
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4/23/2019 3:45:43 AM

Quant Time: Apr 16 03:55:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 02 17:16:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3200	0.40	ng		-0.02
7) Naphthalene-d8	10.61	136	11407	0.40	ng		-0.01
13) Acenaphthene-d10	14.46	164	7119	0.40	ng		-0.03
19) Phenanthrene-d10	17.19	188	20382	0.40	ng		-0.03
27) Chrysene-d12	21.37	240	32205	0.40	ng		-0.02
34) Perylene-d12	23.87	264	32519	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	1587	0.19	ng		-0.02
5) Phenol-d6	6.98	99	1191	0.10	ng		-0.01
8) Nitrobenzene-d5	8.96	82	3756	0.48	ng		-0.03
11) 2-Methylnaphthalene-d10	12.21	152	7833m	0.39	ng		-0.01
14) 2,4,6-Tribromophenol	15.94	330	1224	0.37	ng		-0.01
15) 2-Fluorobiphenyl	13.09	172	13683	0.49	ng		-0.01
25) Fluoranthene-d10	19.22	212	120744	0.45	ng		-0.02
29) Terphenyl-d14	19.82	244	26204	0.45	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.33	88	1589	0.364	ng	#	71
3) n-Nitrosodimethylamine	3.65	42	272	0.106	ng	#	33
6) bis(2-Chloroethyl)ether	7.24	93	4376	0.417	ng		97
9) Naphthalene	10.65	128	53158	0.428	ng		100
10) Hexachlorobutadiene	10.94	225	2900	0.360	ng		97
12) 2-Methylnaphthalene	12.28	142	8787	0.416	ng		98
16) Acenaphthylene	14.18	152	12953	0.384	ng		99
17) Acenaphthene	14.53	154	8142	0.409	ng		100
18) Fluorene	15.50	166	11679	0.406	ng		98
20) 4-Bromophenyl-phenylether	16.38	248	4655	0.402	ng	#	77
21) Hexachlorobenzene	16.49	284	4414	0.401	ng		97
22) Pentachlorophenol	16.84	266	3330	0.728	ng		93
23) Phenanthrene	17.23	178	22882	0.434	ng		99
24) Anthracene	17.32	178	20661	0.415	ng		99
26) Fluoranthene	19.25	202	34495	0.443	ng		99
28) Pyrene	19.61	202	37453	0.440	ng		99
30) Benzo(a)anthracene	21.34	228	43179	0.426	ng		97
31) Chrysene	21.40	228	43121	0.434	ng		98
32) Bis(2-ethylhexyl)phthalate	21.27	149	57982	0.449	ng		100
33) Indeno(1,2,3-cd)pyrene	26.51	276	44819	0.394	ng		98
35) Benzo(b)fluoranthene	23.09	252	42727m	0.440	ng		
36) Benzo(k)fluoranthene	23.14	252	43720	0.463	ng		100
37) Benzo(a)pyrene	23.75	252	40288	0.442	ng	#	93
38) Dibenzo(a,h)anthracene	26.53	278	37541	0.414	ng		99
39) Benzo(g,h,i)perylene	27.32	276	37951	0.420	ng		100

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

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Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MSD

Manual Integrations APPROVED
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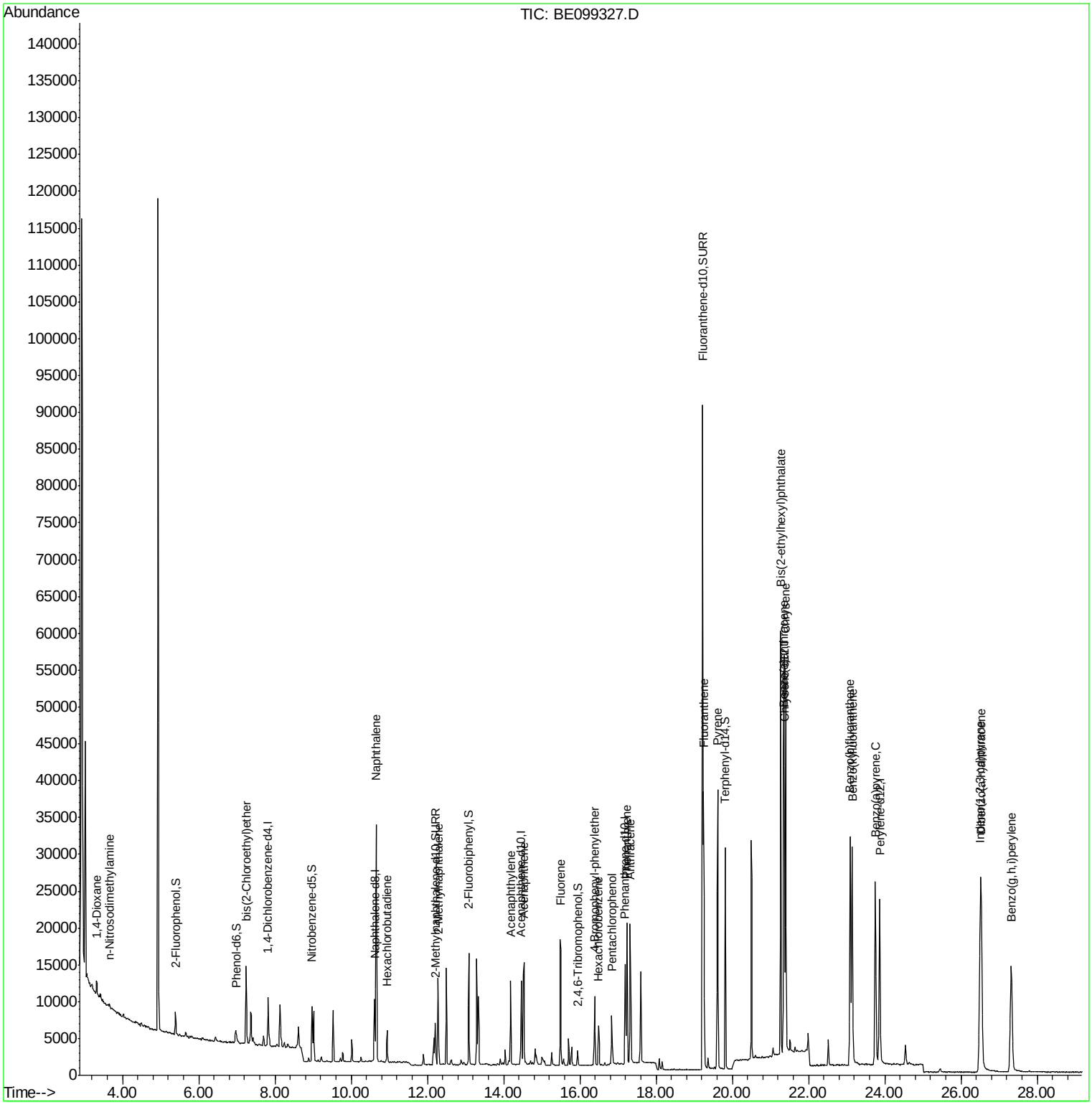
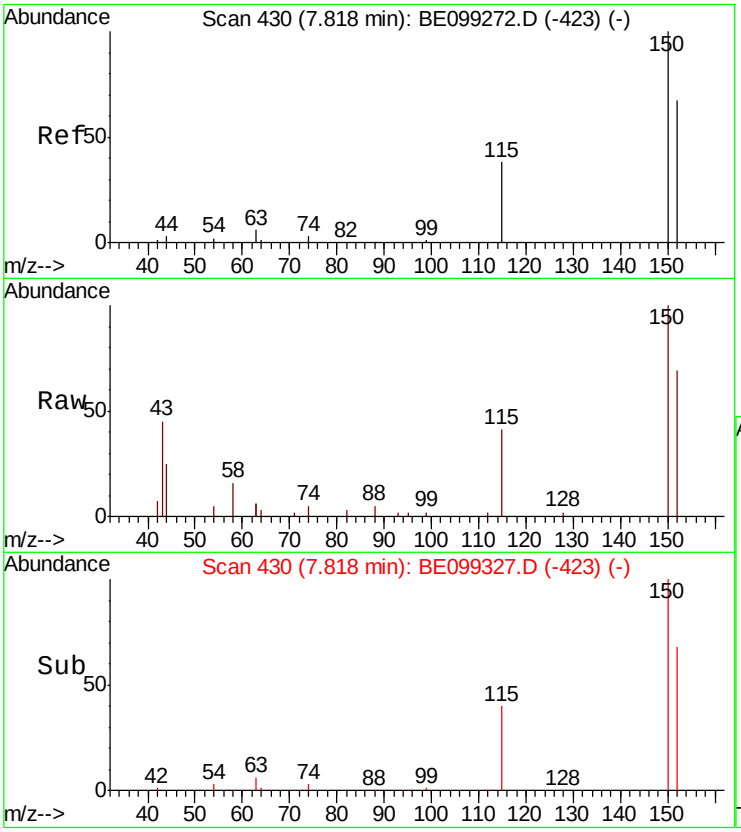
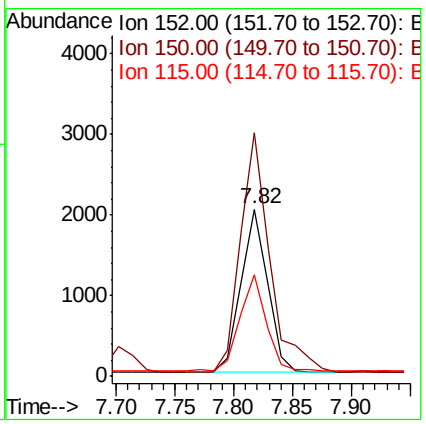




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:152 Resp: 3200

Ion	Ratio	Lower	Upper
152	100		
150	145.8	112.8	169.2
115	60.5	45.1	67.7



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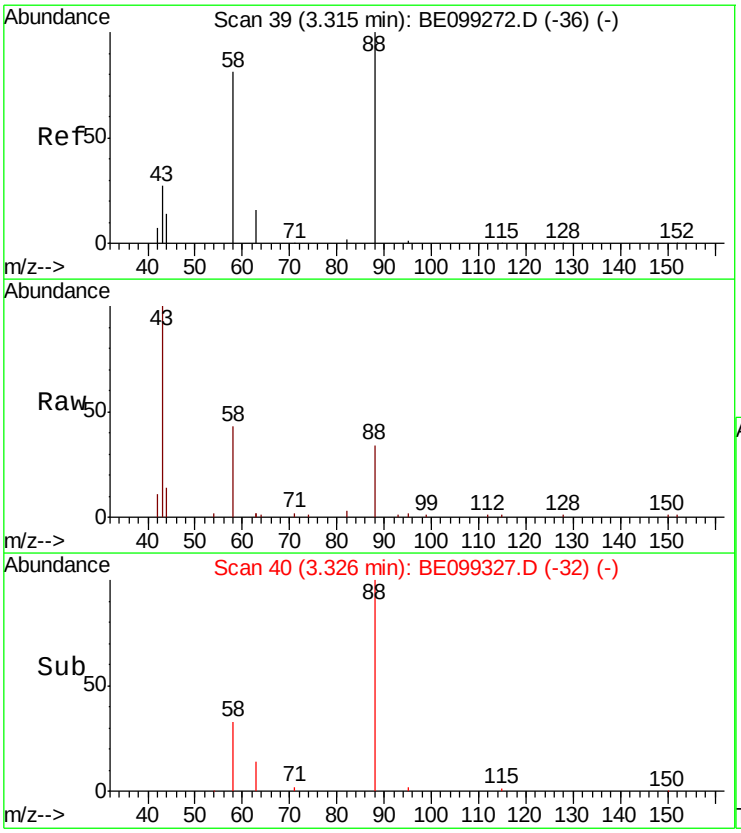
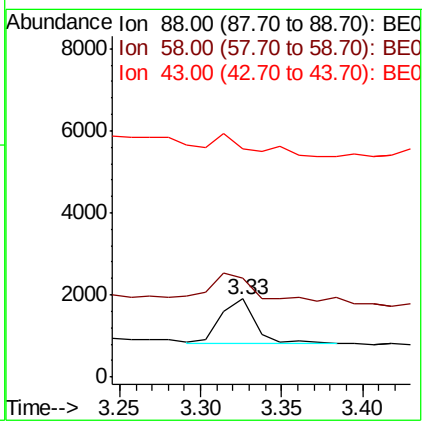
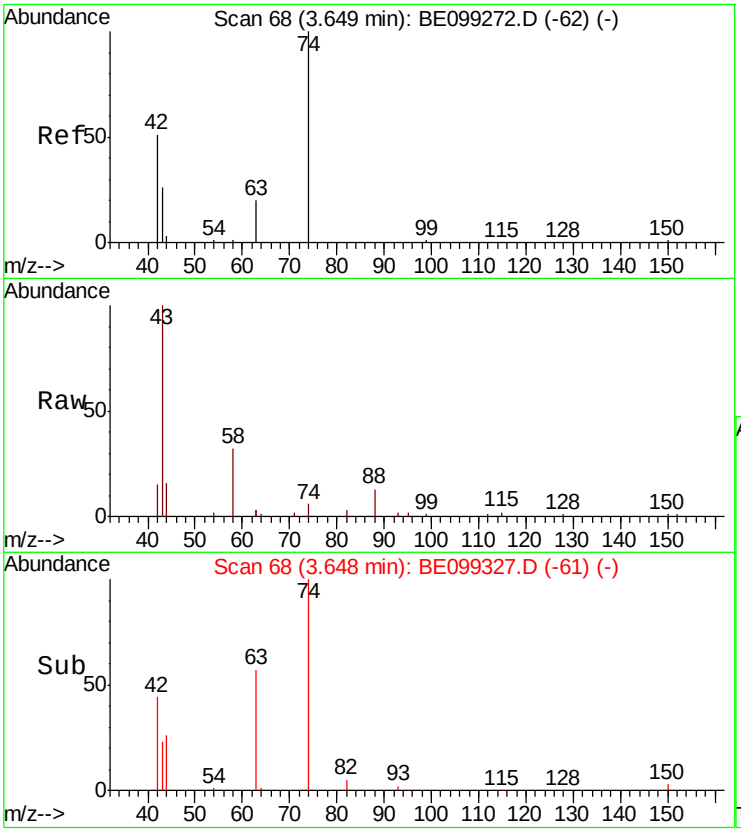


#2
1,4-Dioxane
Concen: 0.364 ng
RT: 3.33 min Scan# 40
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion: 88 Resp: 1589

Ion	Ratio	Lower	Upper
88	100		
58	77.8	47.4	71.0#
43	0.0	15.6	23.4#

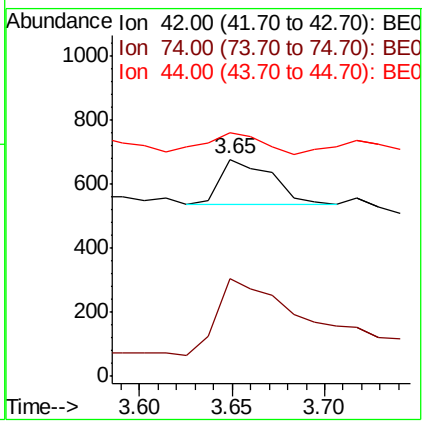




#3
n-Nitrosodimethylamine
Concen: 0.106 ng
RT: 3.65 min Scan# 68
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion: 42 Resp: 272

Ion	Ratio	Lower	Upper
42	100		
74	264.0	138.6	207.8#
44	54.8	15.0	22.6#



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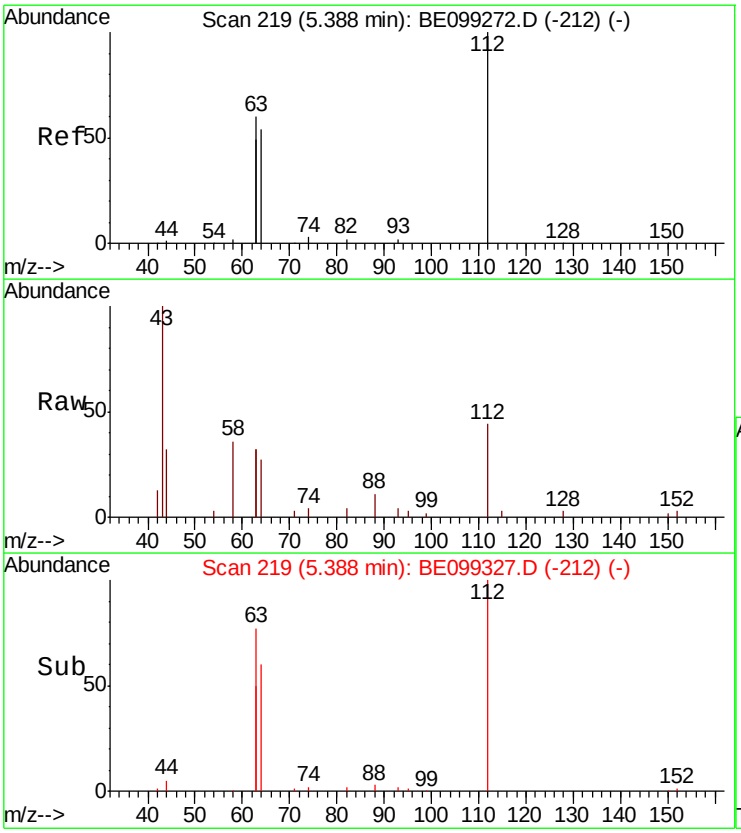
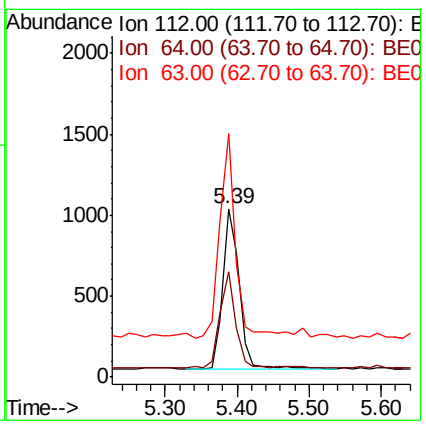
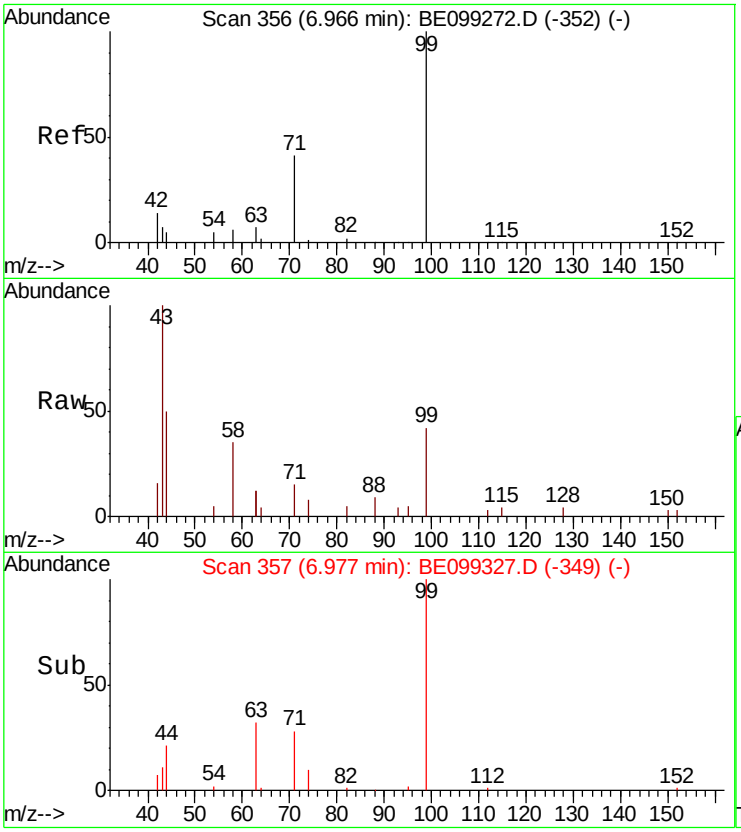


#4
2-Fluorophenol
Concen: 0.187 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:112 Resp: 1587

Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.2	69.2
63	119.9	89.9	134.9





#5
Phenol-d6
Concen: 0.102 ng
RT: 6.98 min Scan# 357
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion: 99 Resp: 1191

Ion	Ratio	Lower	Upper
99	100		
42	24.7	12.4	18.6#
71	44.8	28.4	42.6#

Instrument :
BNA_E
ClientSampleId :
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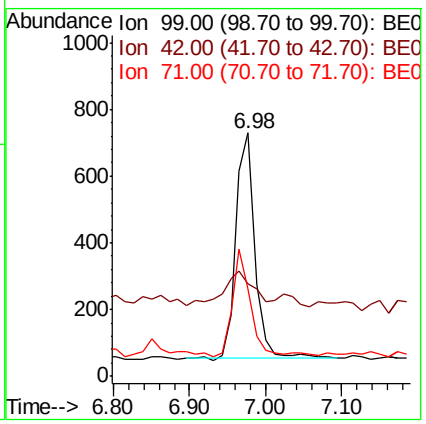
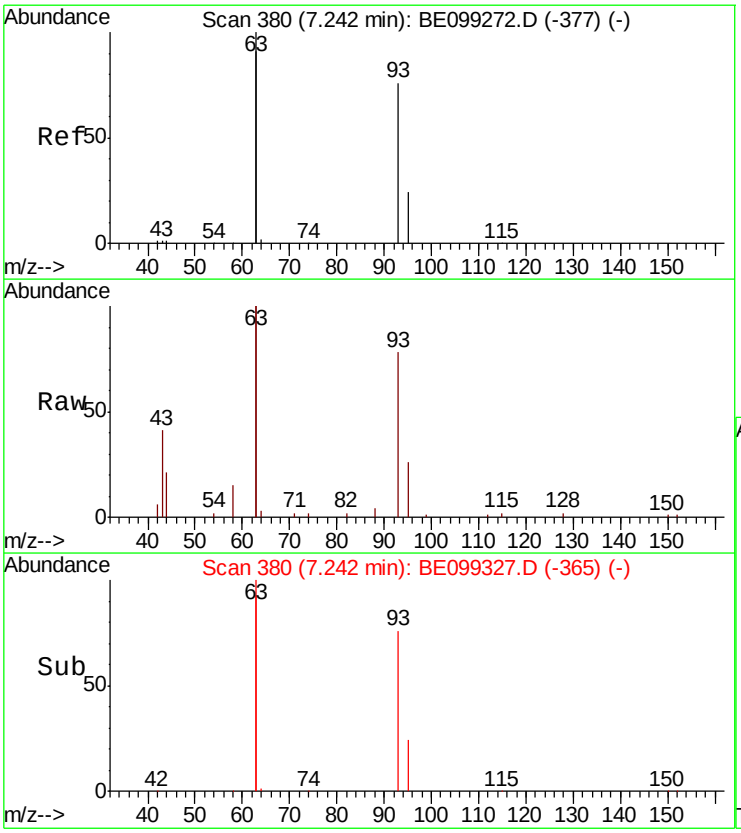
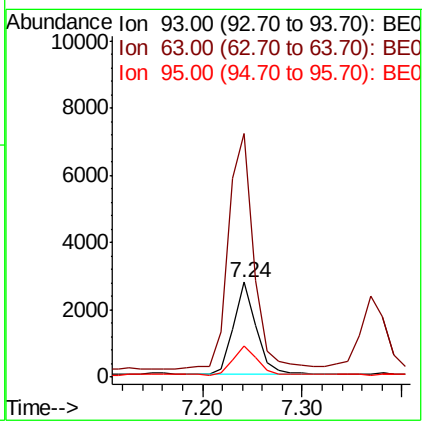


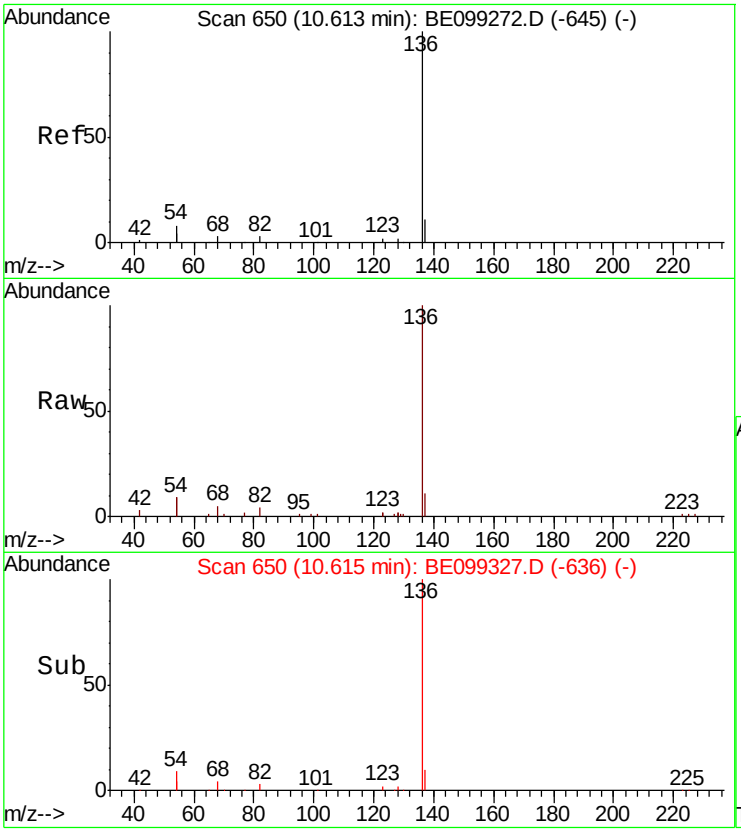


#6
bis(2-Chloroethyl)ether
Concen: 0.417 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion: 93 Resp: 4376

Ion	Ratio	Lower	Upper
93	100		
63	281.9	221.4	332.0
95	33.0	25.8	38.8

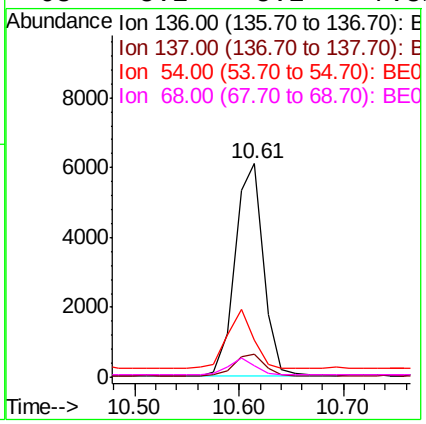




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:136 Resp: 11407

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	17.1	18.7	28.1#
68	5.2	5.2	7.8#



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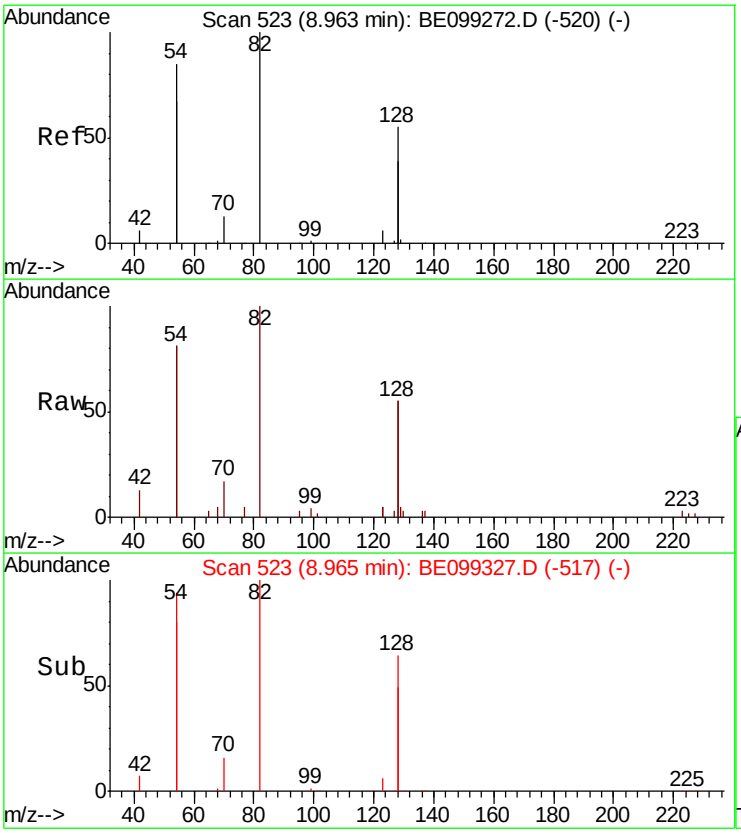
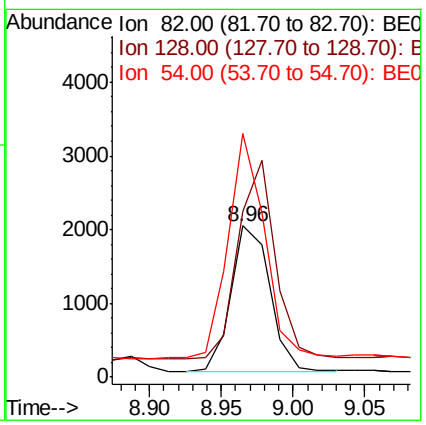
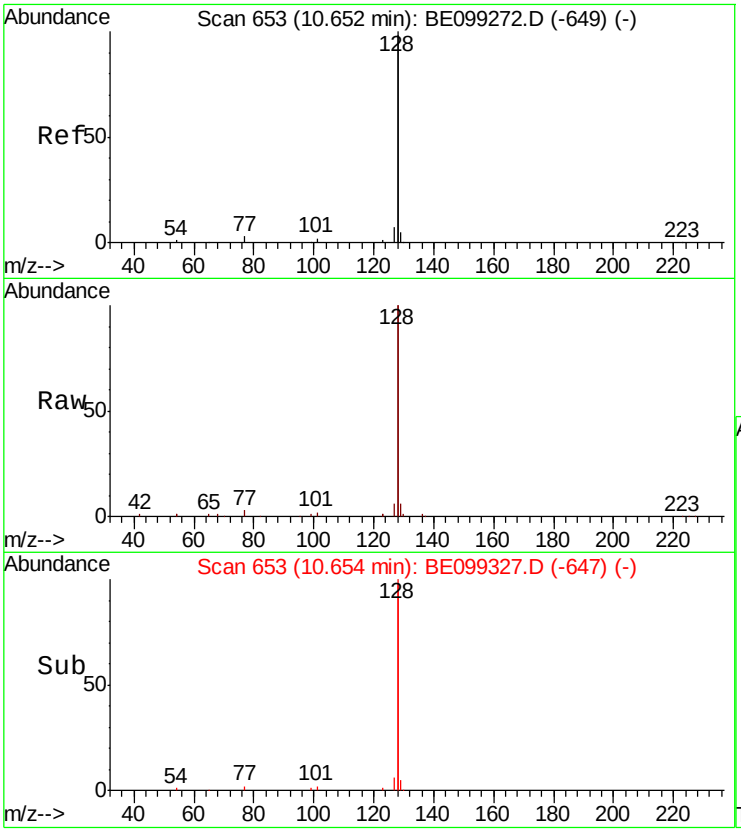


#8
Nitrobenzene-d5
Concen: 0.480 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion: 82 Resp: 3756

Ion	Ratio	Lower	Upper
82	100		
128	109.4	107.5	161.3
54	161.2	106.3	159.5#

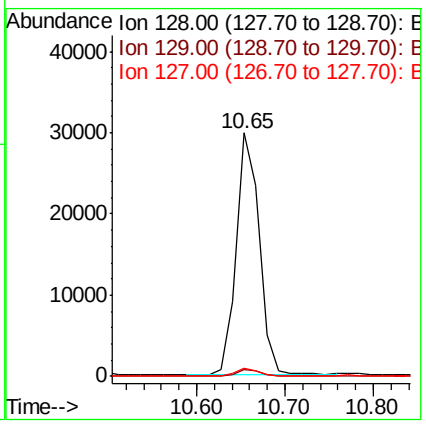




#9
Naphthalene
Concen: 0.428 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:128 Resp: 53158

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.3	3.5
127	3.1	2.6	3.8



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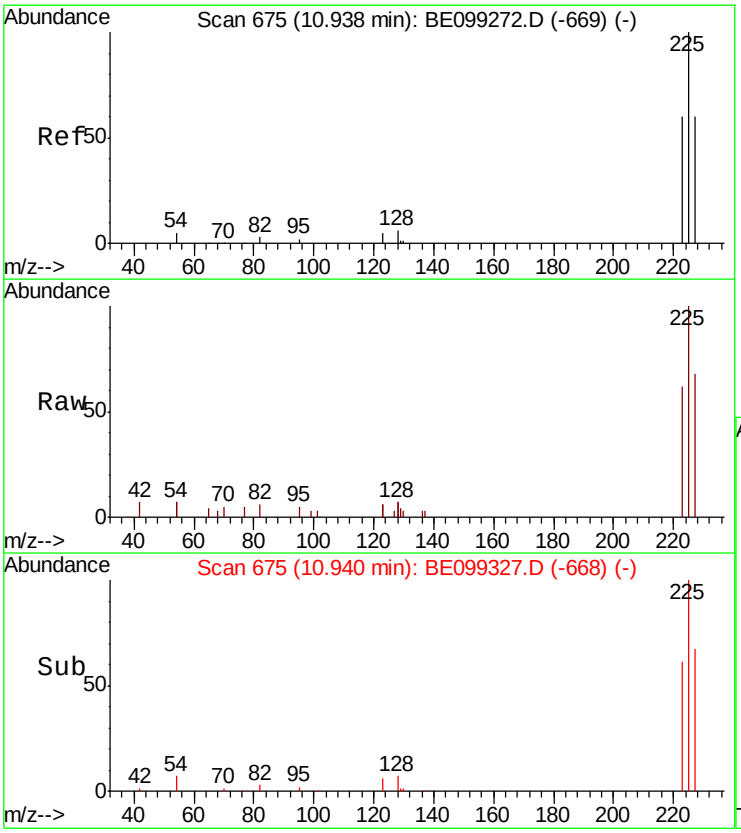
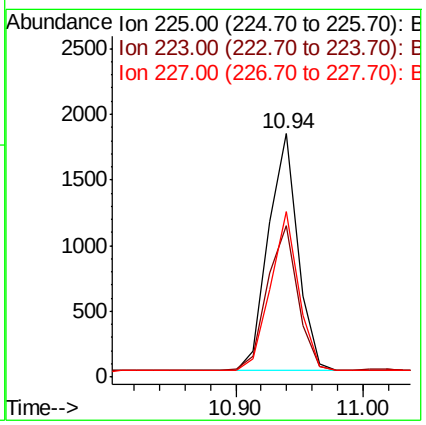
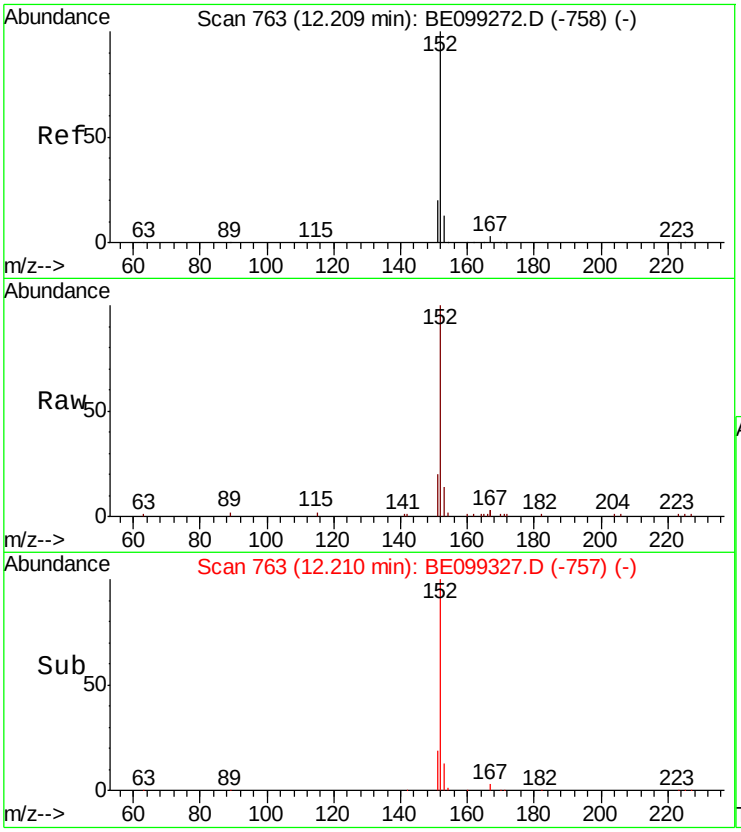


#10
Hexachlorobutadiene
Concen: 0.360 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:225 Resp: 2900

Ion	Ratio	Lower	Upper
225	100		
223	62.2	51.3	76.9
227	64.3	48.6	73.0





#11
2-Methylnaphthalene-d10
Concen: 0.393 ng m
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:152 Resp: 7833

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.0	22.6

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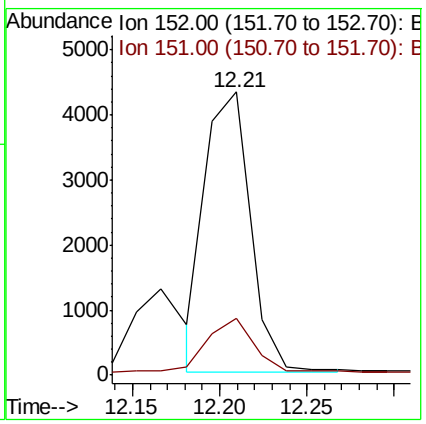
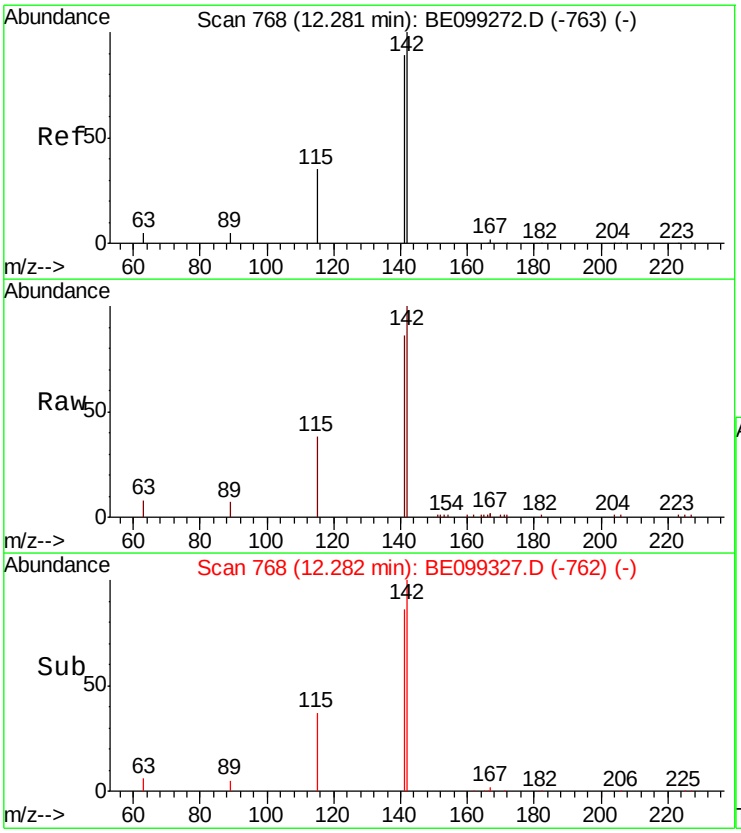
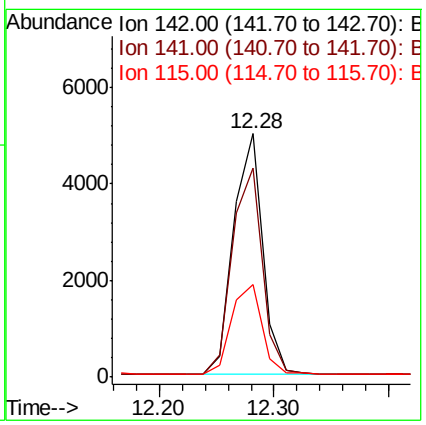


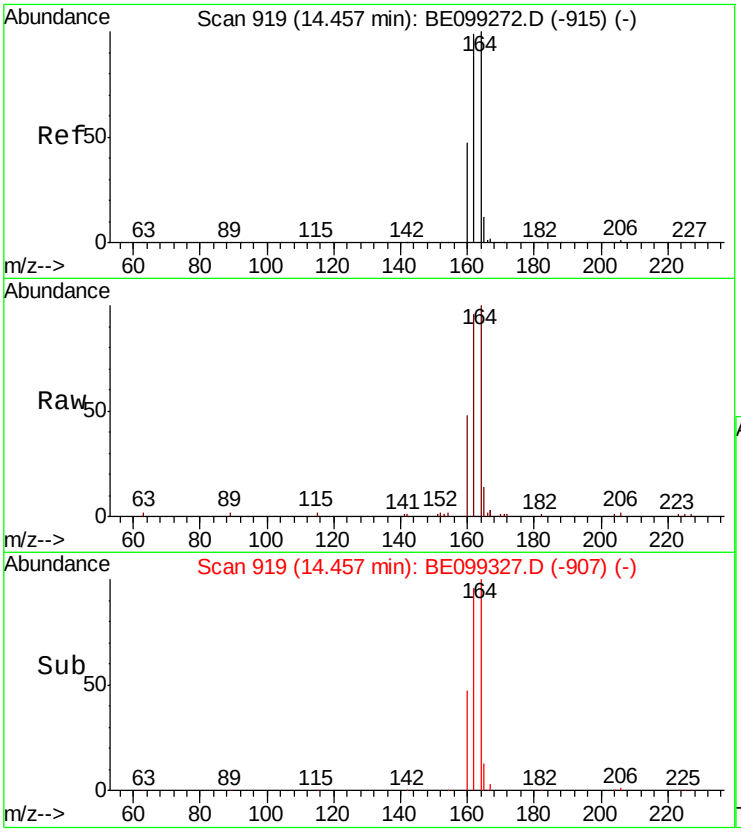


#12
2-Methylnaphthalene
Concen: 0.416 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:142 Resp: 8787

Ion	Ratio	Lower	Upper
142	100		
141	86.1	71.3	106.9
115	38.1	30.4	45.6

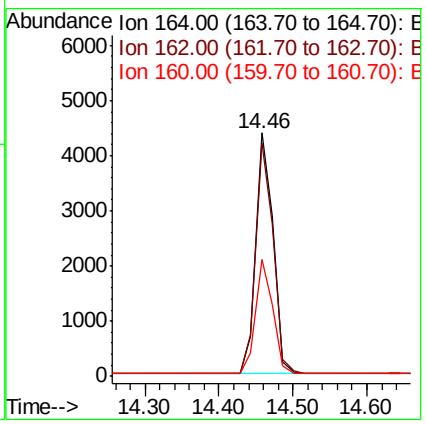




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:164 Resp: 7119

Ion	Ratio	Lower	Upper
164	100		
162	95.7	79.2	118.8
160	47.9	36.7	55.1



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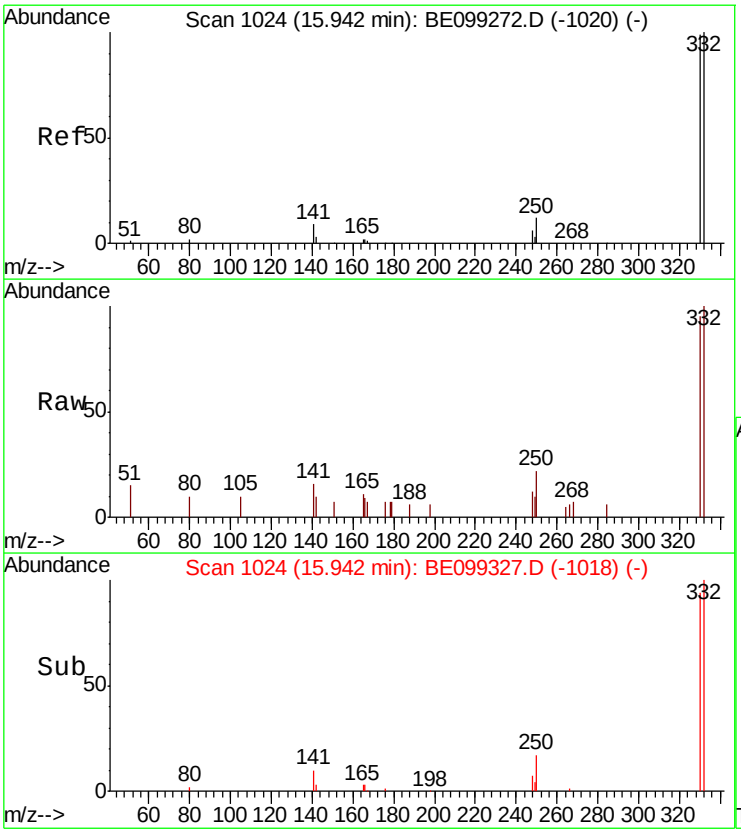
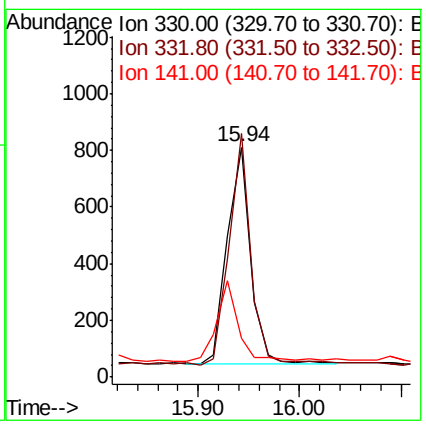
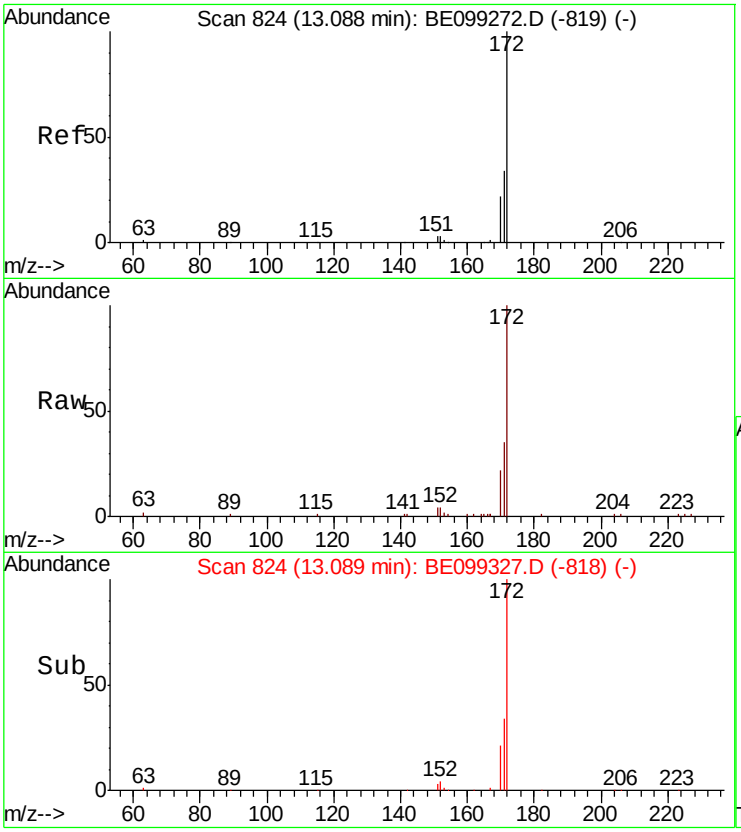


#14
2,4,6-Tribromophenol
Concen: 0.373 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:330 Resp: 1224

Ion	Ratio	Lower	Upper
330	100		
332	101.2	71.3	106.9
141	34.1	21.7	32.5#

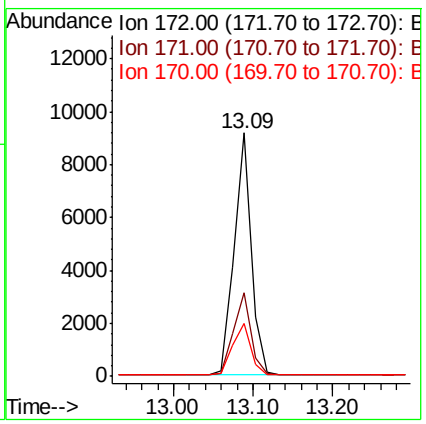




#15
2-Fluorobiphenyl
Concen: 0.489 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:172 Resp: 13683

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.0
170	21.5	19.1	28.7



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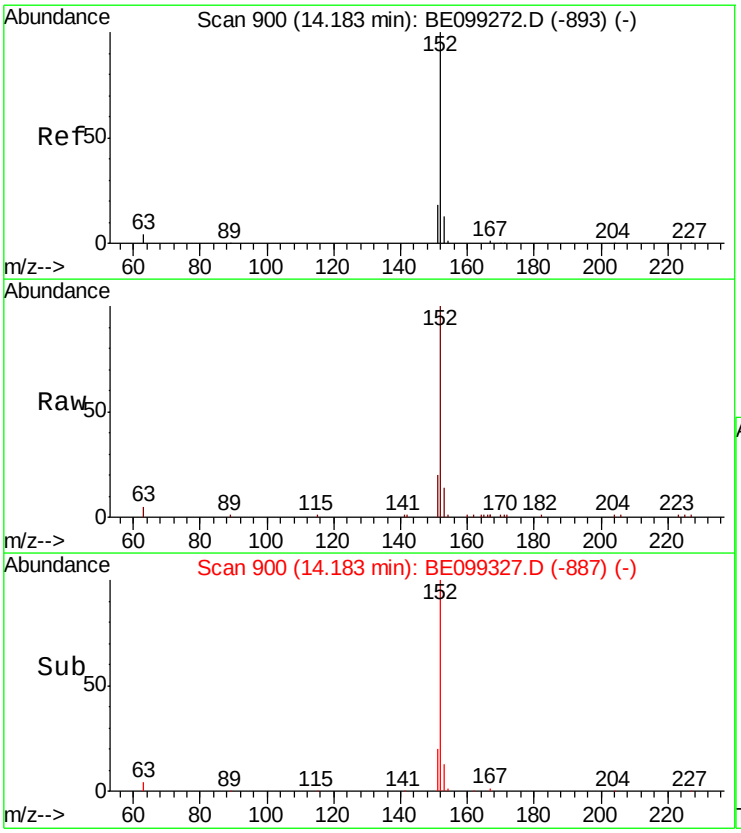
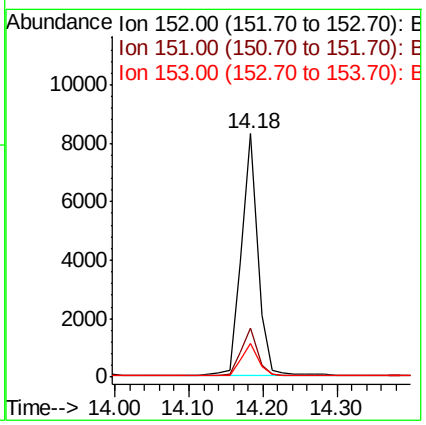
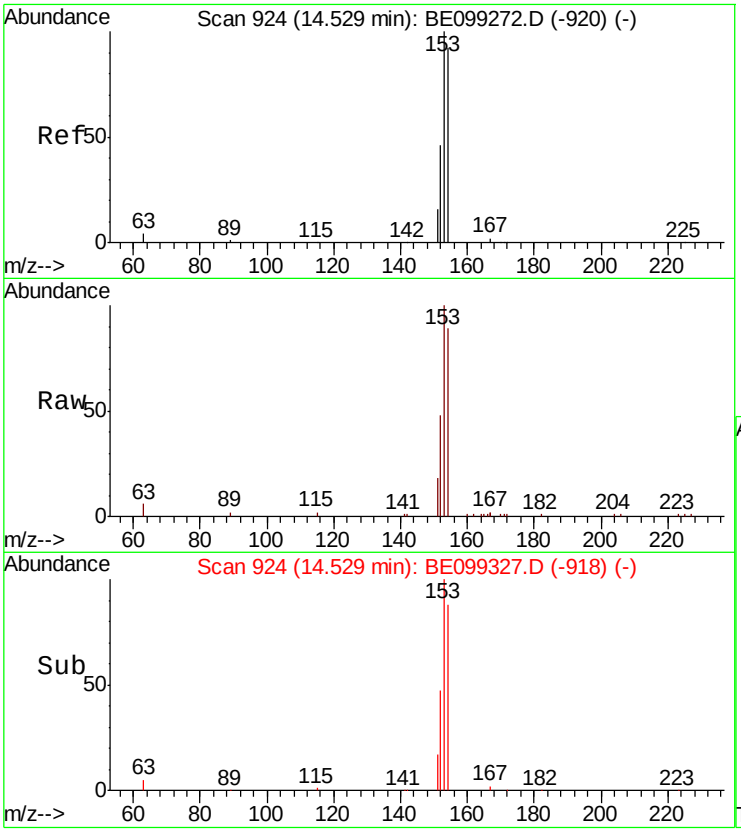


#16
Acenaphthylene
Concen: 0.384 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:152 Resp: 12953

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.7	10.6	15.8

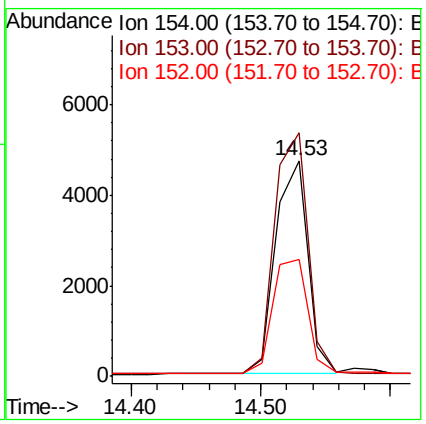




#17
Acenaphthene
Concen: 0.409 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:154 Resp: 8142

Ion	Ratio	Lower	Upper
154	100		
153	117.2	93.4	140.0
152	58.1	46.6	69.8



Instrument :
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ClientSampleId :
SA-PZ118I-20190409MSD

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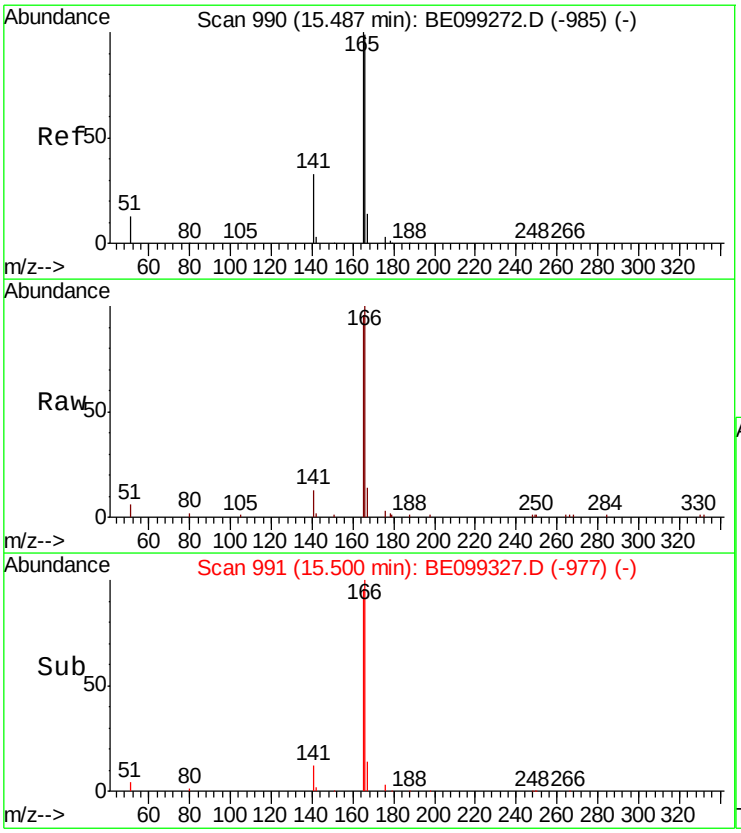
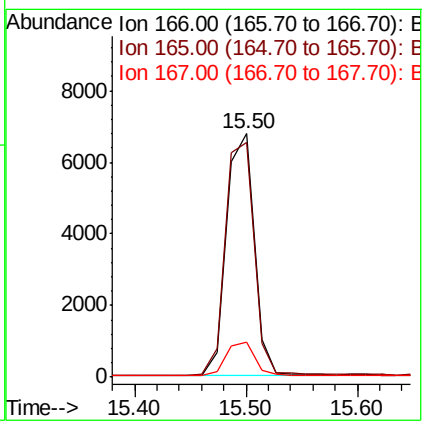
4/23/2019 3:45:43 AM

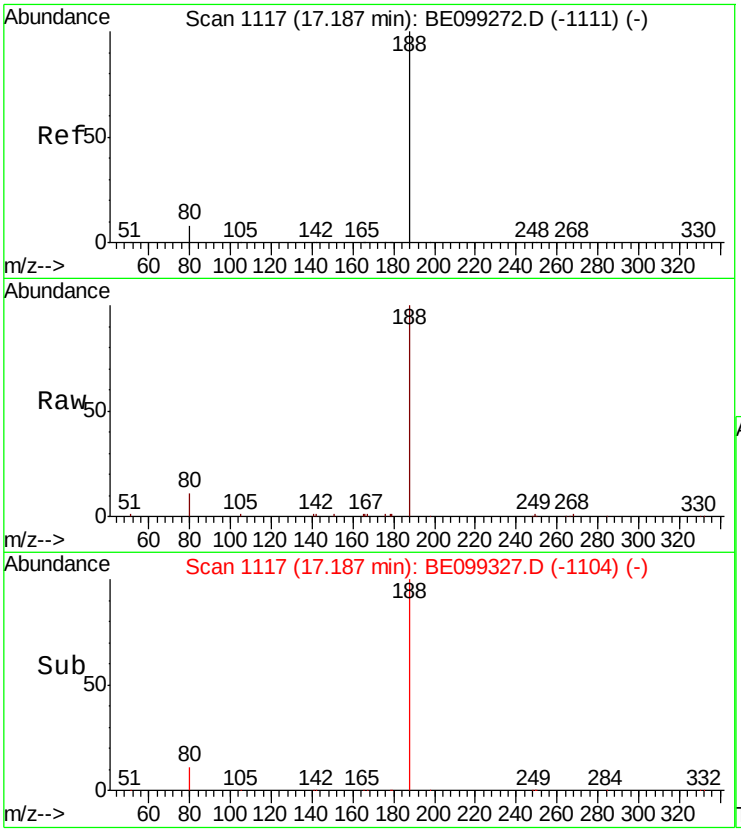


#18
Fluorene
Concen: 0.406 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:166 Resp: 11679

Ion	Ratio	Lower	Upper
166	100		
165	100.2	78.9	118.3
167	13.9	10.9	16.3





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:188 Resp: 20382

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	4.5	6.7#

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SA-PZ118I-20190409MSD

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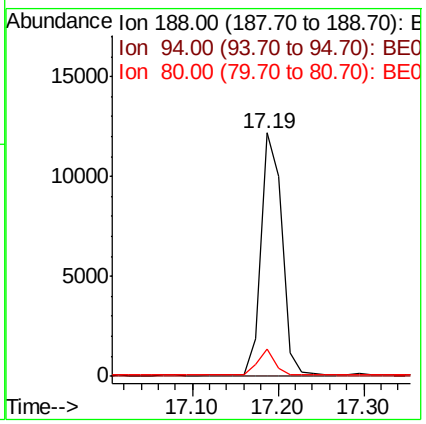
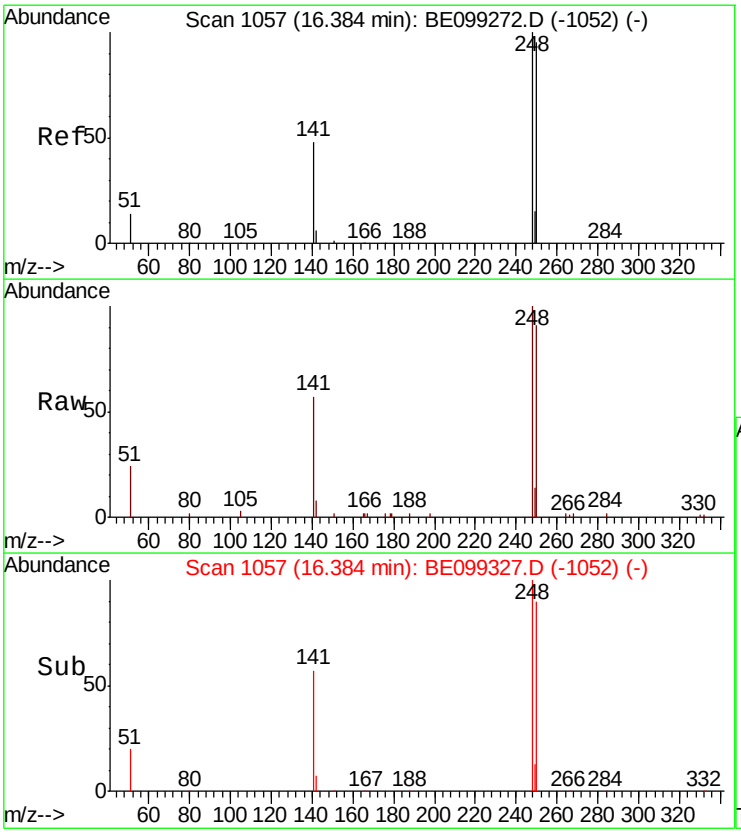
4/23/2019 3:45:43 AM

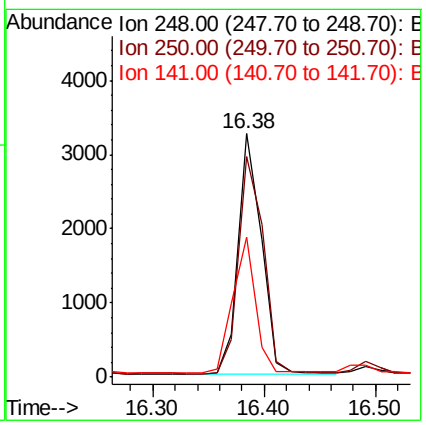


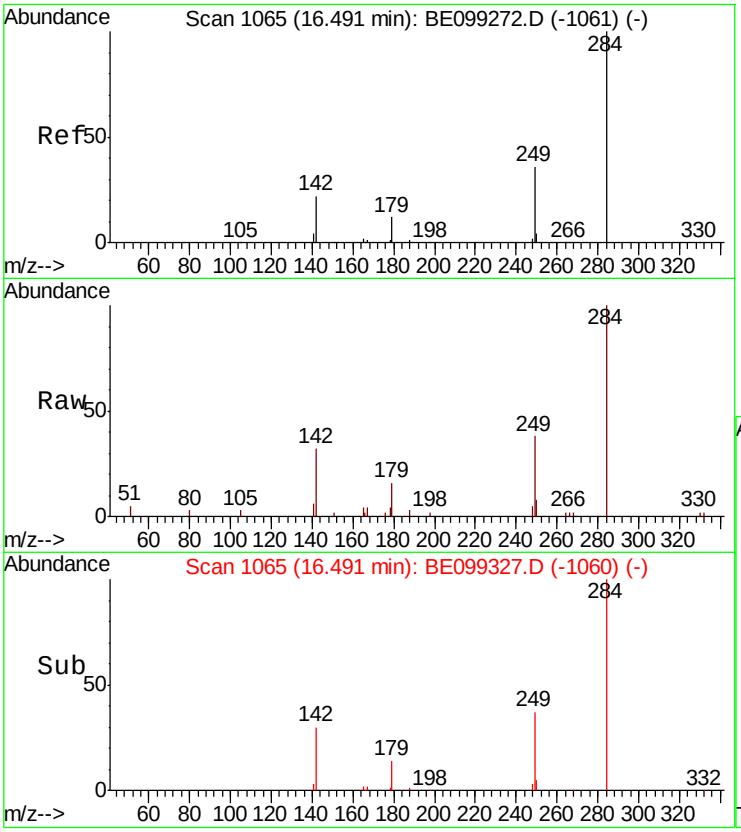


#20
4-Bromophenyl-phenylether
Concen: 0.402 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:248 Resp: 4655

Ion	Ratio	Lower	Upper
248	100		
250	90.7	84.2	126.2
141	57.4	21.8	32.6#

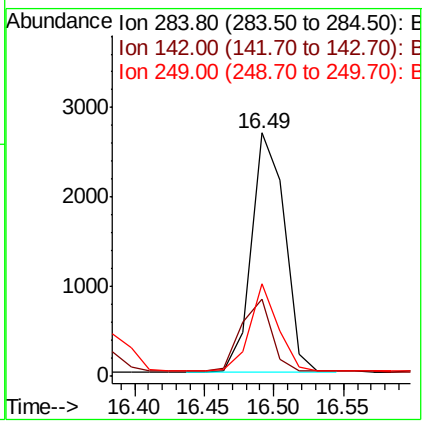




#21
Hexachlorobenzene
Concen: 0.401 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:284 Resp: 4414

Ion	Ratio	Lower	Upper
284	100		
142	27.9	22.7	34.1
249	31.0	26.9	40.3



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SA-PZ118I-20190409MSD

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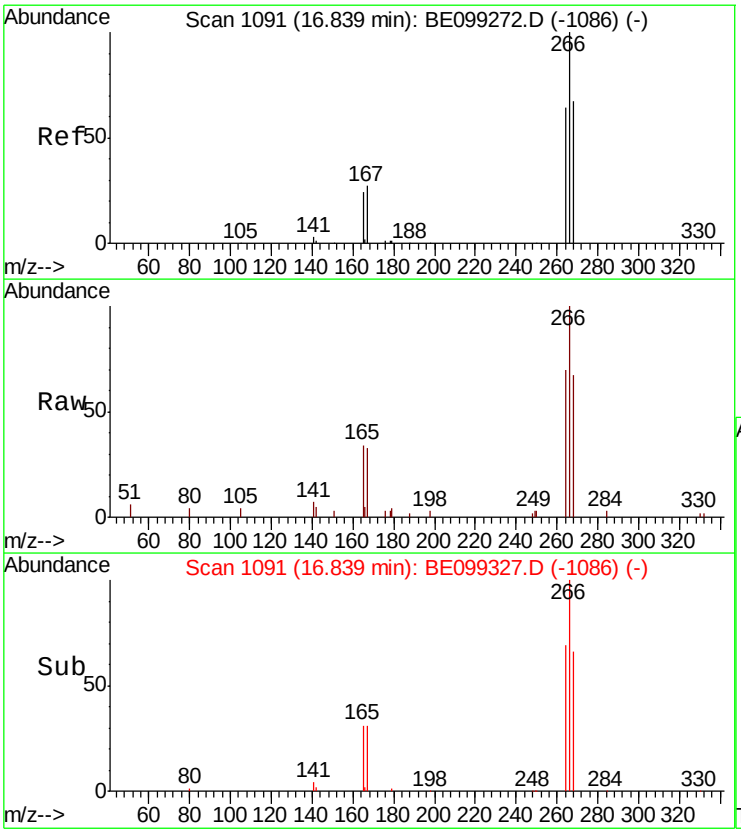
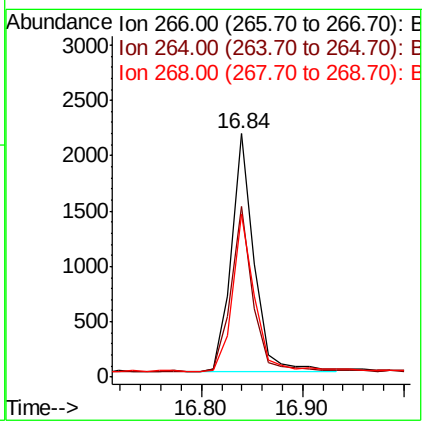
4/23/2019 3:45:43 AM

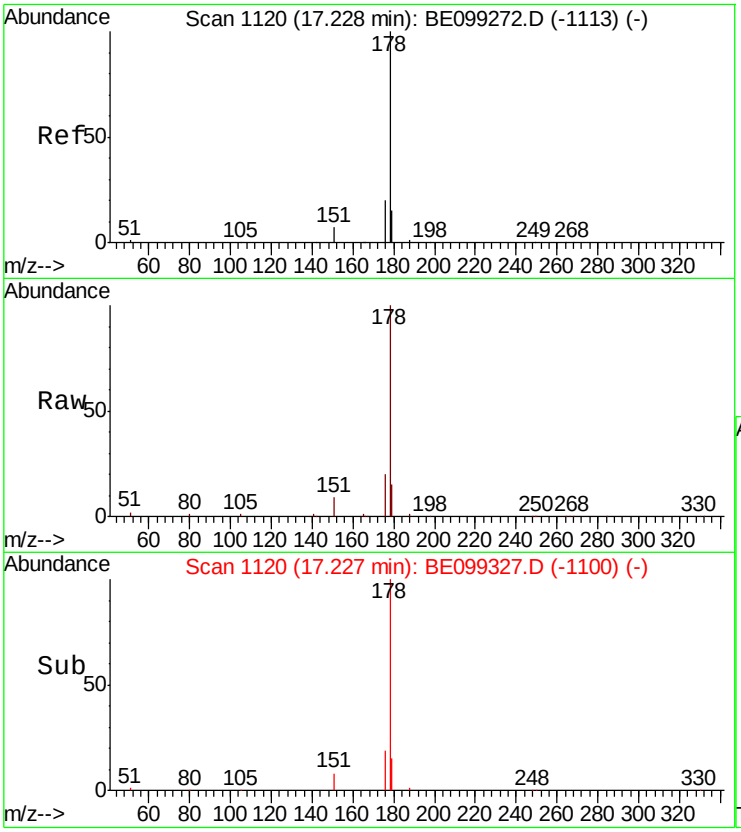


#22
Pentachlorophenol
Concen: 0.728 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:266 Resp: 3330

Ion	Ratio	Lower	Upper
266	100		
264	70.0	54.4	81.6
268	67.0	61.3	91.9

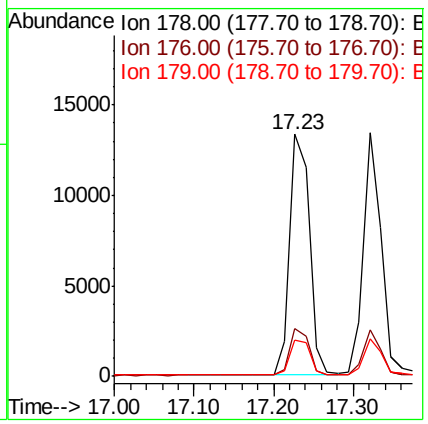




#23
Phenanthrene
Concen: 0.434 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:178 Resp: 22882

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.3	12.3	18.5



Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MSD

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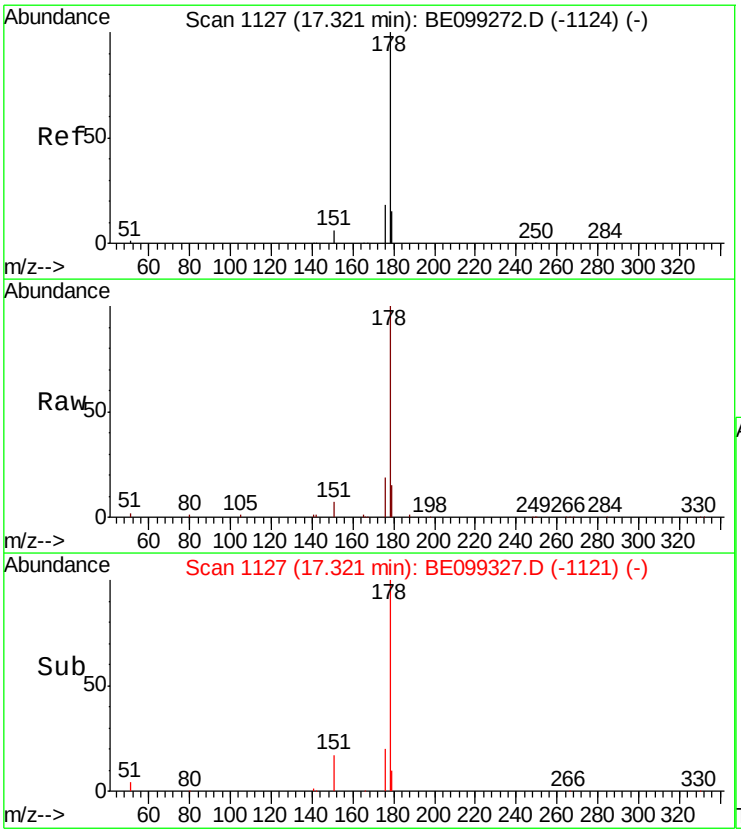
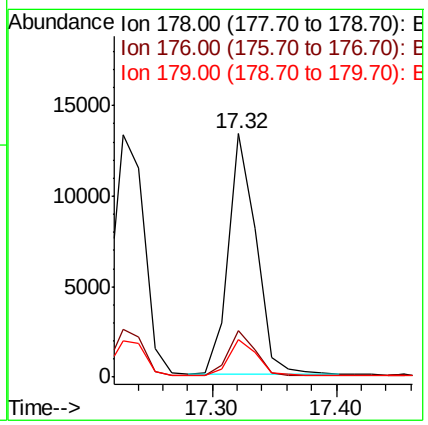
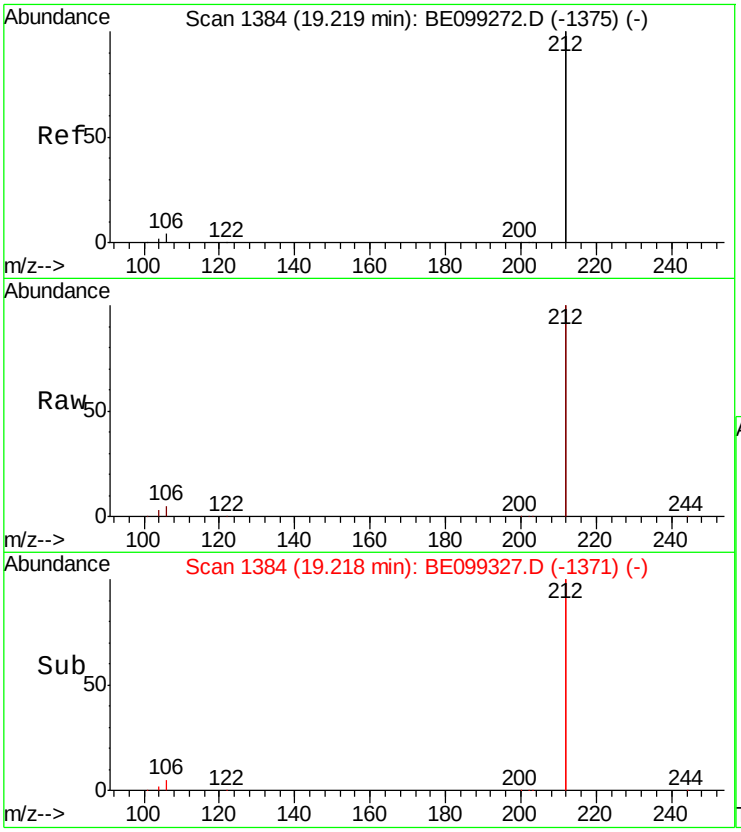


#24
Anthracene
Concen: 0.415 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:178 Resp: 20661

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	15.1	12.4	18.6

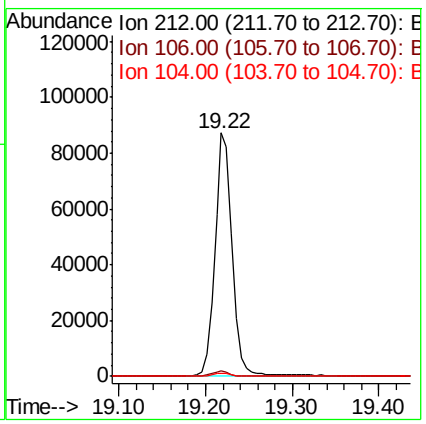




#25
Fluoranthene-d10
Concen: 0.449 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:212 Resp: 120744

Ion	Ratio	Lower	Upper
212	100		
106	2.2	1.8	2.8
104	1.3	1.1	1.7



Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MSD

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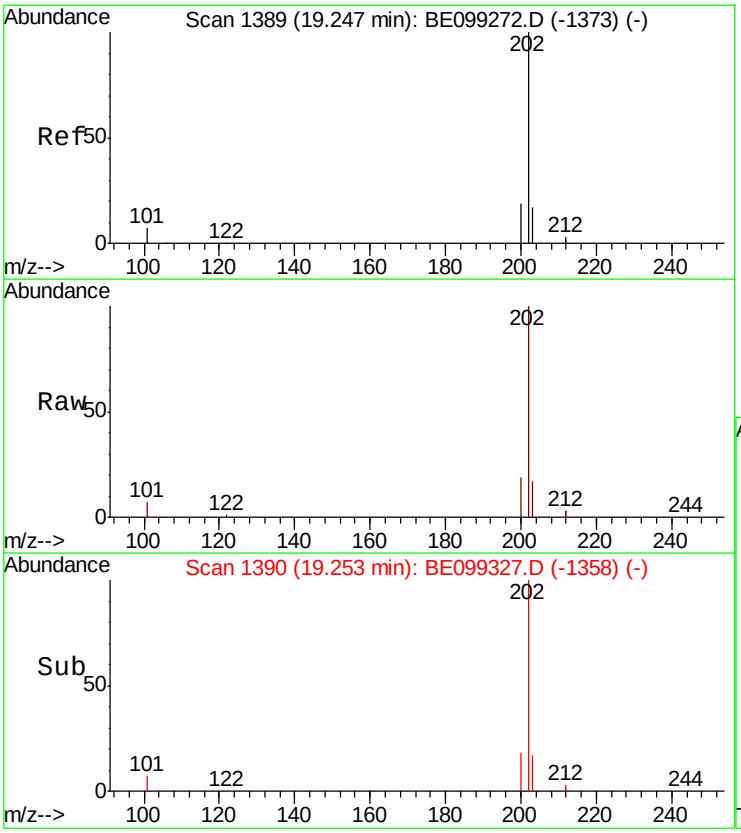
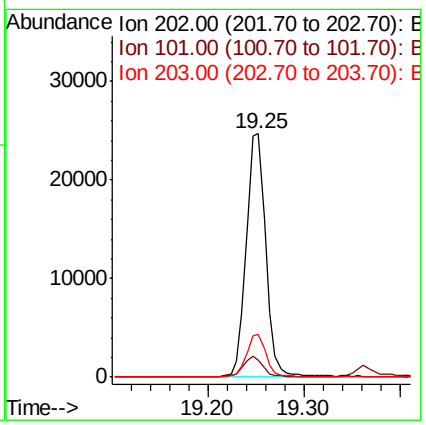
4/23/2019 3:45:43 AM

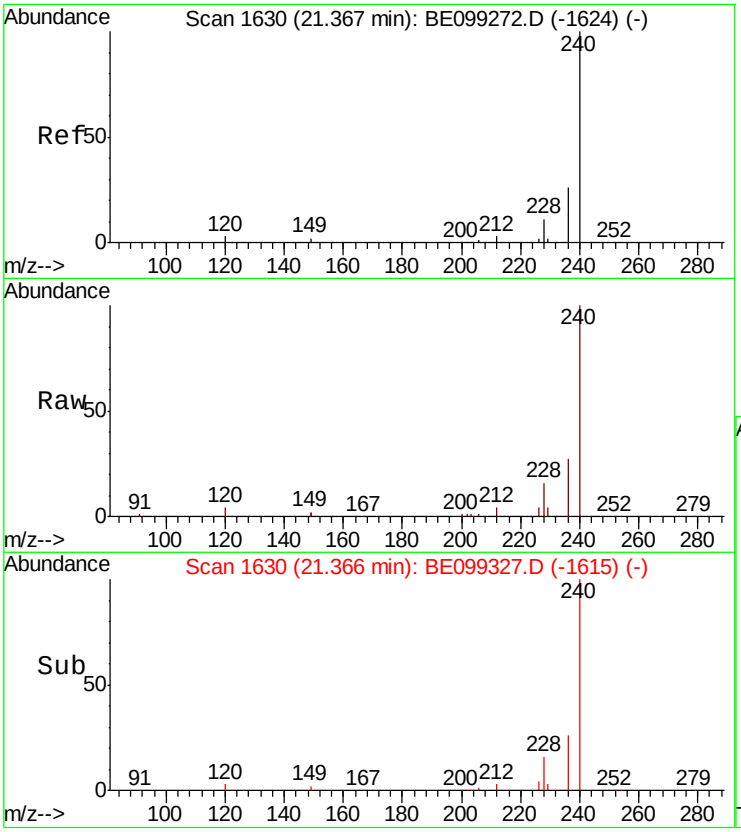


#26
Fluoranthene
Concen: 0.443 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:202 Resp: 34495

Ion	Ratio	Lower	Upper
202	100		
101	8.1	7.0	10.4
203	17.1	13.8	20.6

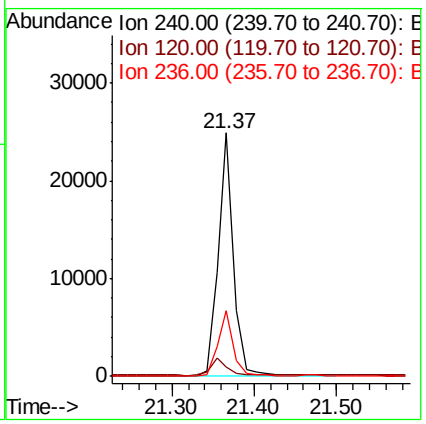




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:240 Resp: 32205

Ion	Ratio	Lower	Upper
240	100		
120	3.8	2.6	3.8
236	26.7	20.9	31.3



Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MSD

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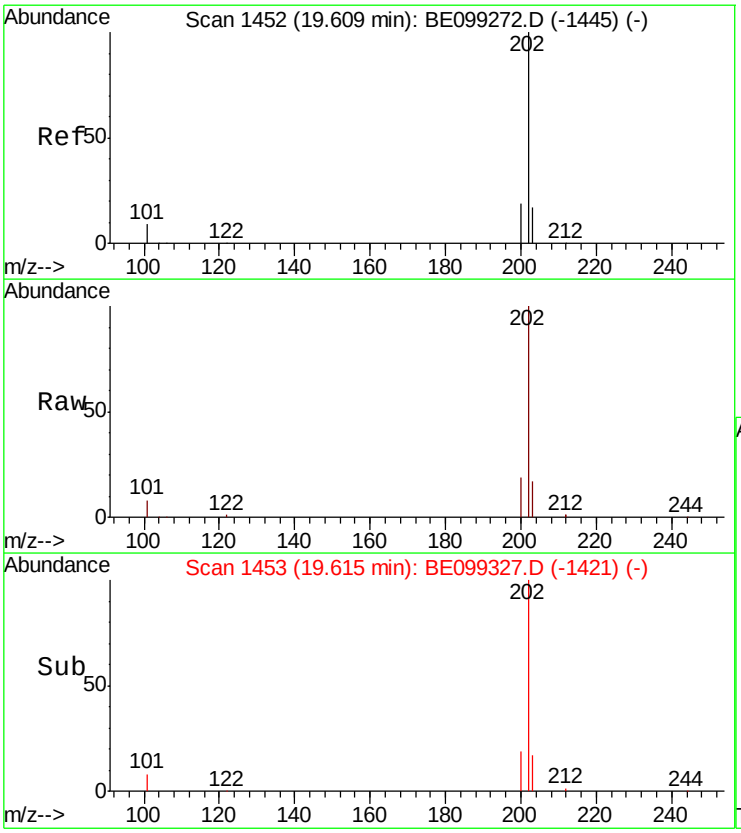
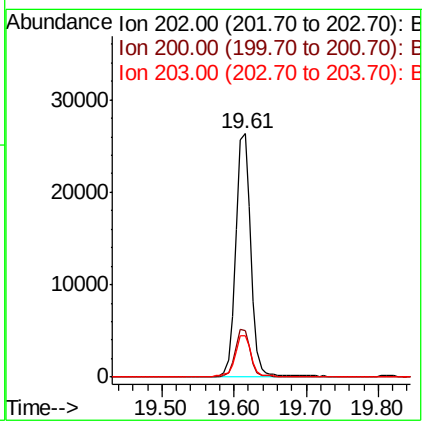
4/23/2019 3:45:43 AM

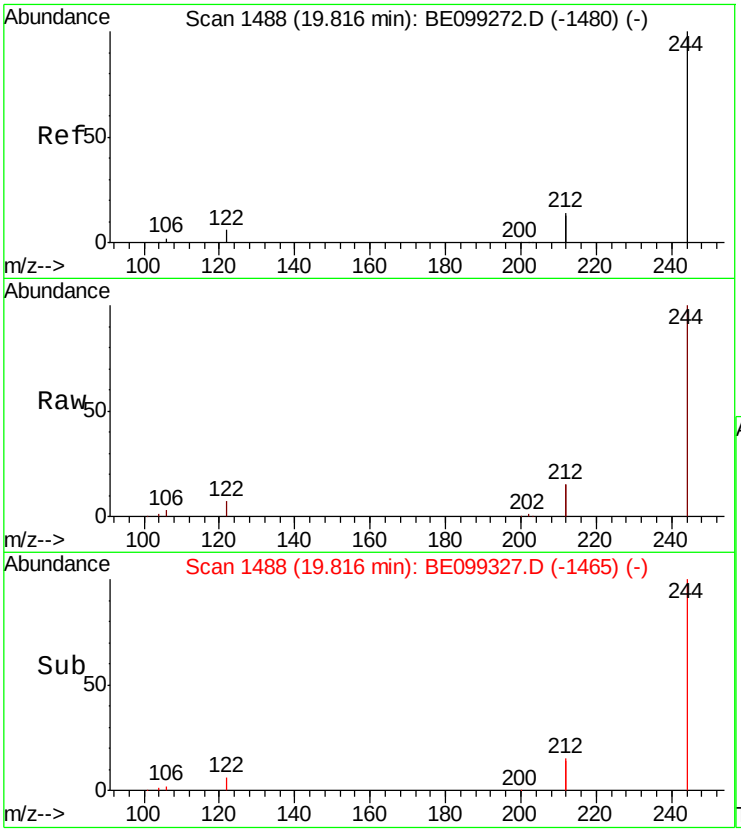


#28
Pyrene
Concen: 0.440 ng
RT: 19.61 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:202 Resp: 37453

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.8	23.8
203	18.0	14.1	21.1

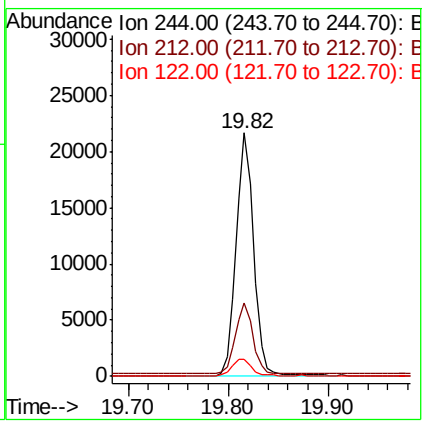




#29
Terphenyl-d14
Concen: 0.446 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:244 Resp: 26204

Ion	Ratio	Lower	Upper
244	100		
212	30.0	22.7	34.1
122	6.7	5.8	8.6



Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MSD

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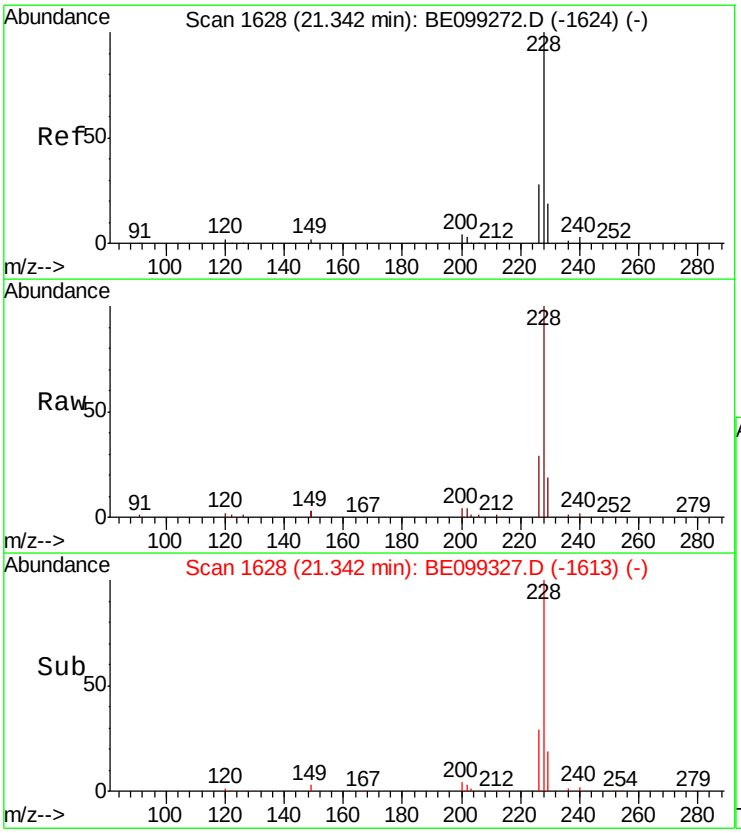
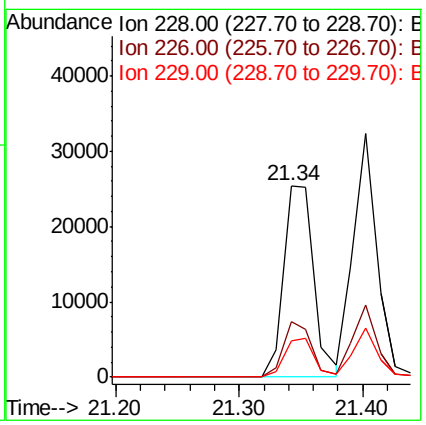
4/23/2019 3:45:43 AM

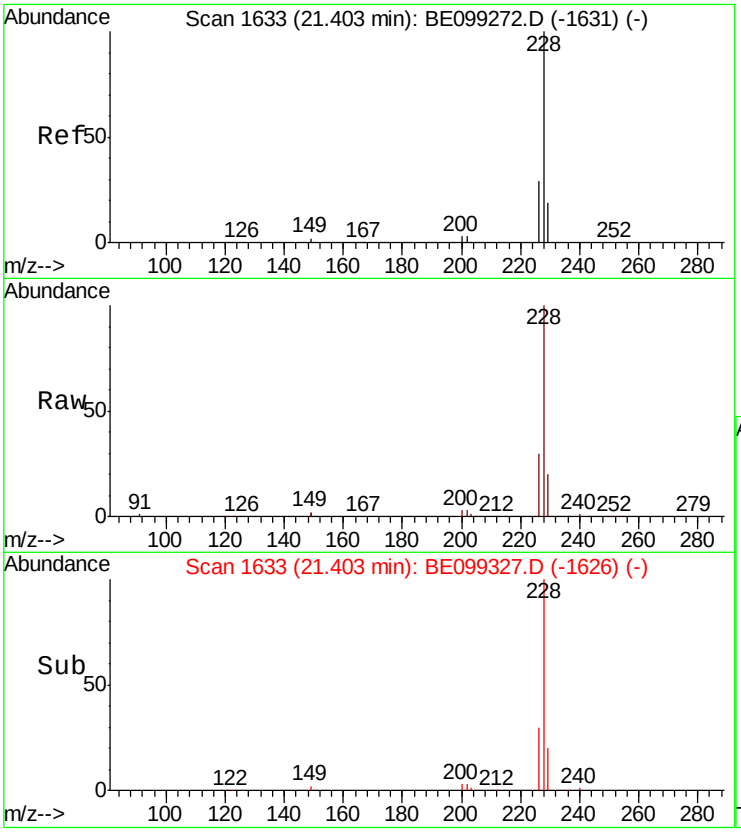


#30
Benzo(a)anthracene
Concen: 0.426 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:228 Resp: 43179

Ion	Ratio	Lower	Upper
228	100		
226	29.3	21.7	32.5
229	18.9	15.9	23.9

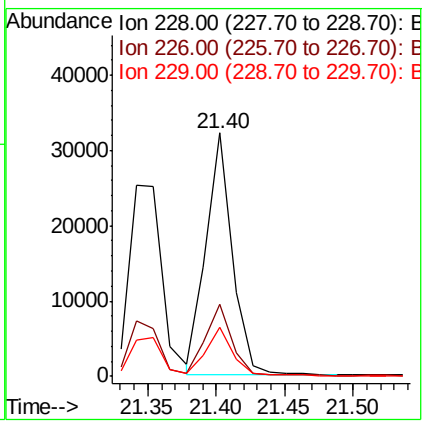




#31
Chrysene
Concen: 0.434 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:228 Resp: 43121

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.8	37.2
229	20.0	15.4	23.0



Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MSD

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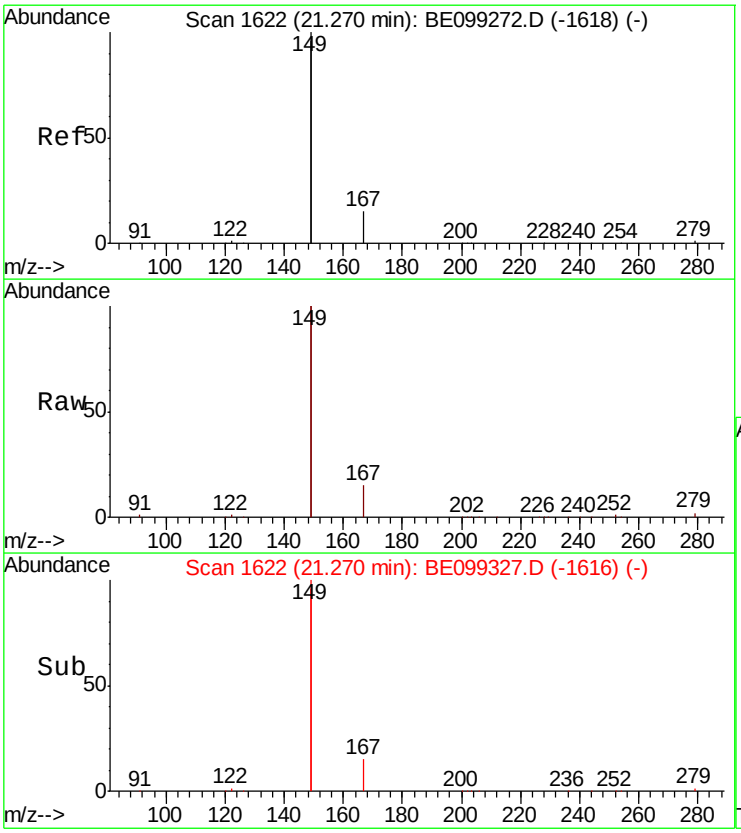
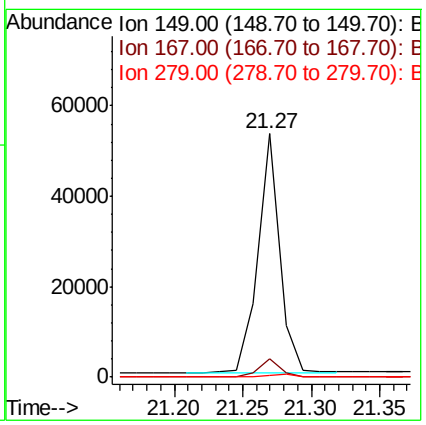
4/23/2019 3:45:43 AM

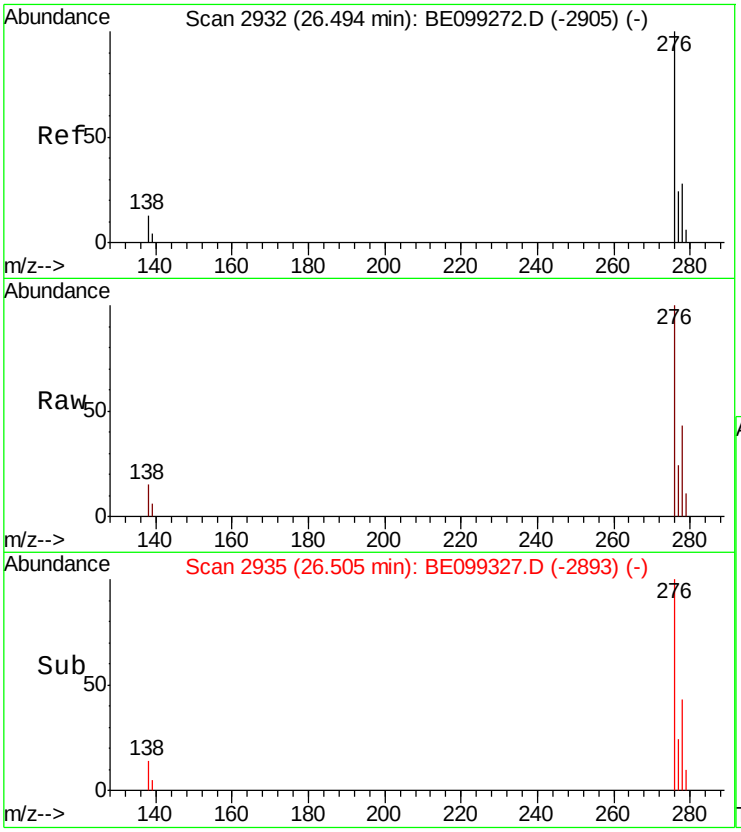


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.449 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.02 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:149 Resp: 57982

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.9	8.9
279	1.2	1.0	1.6

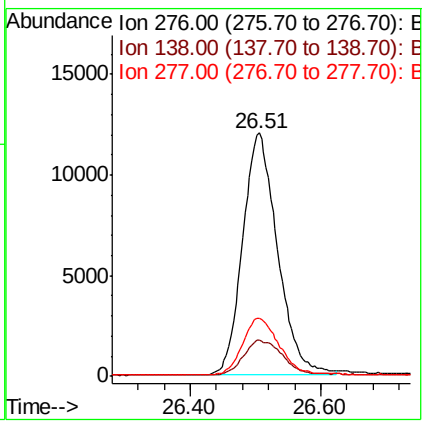




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.394 ng
RT: 26.51 min Scan# 2935
Delta R.T. -0.05 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:276 Resp: 44819

Ion	Ratio	Lower	Upper
276	100		
138	16.0	12.9	19.3
277	24.2	18.3	27.5



Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MSD

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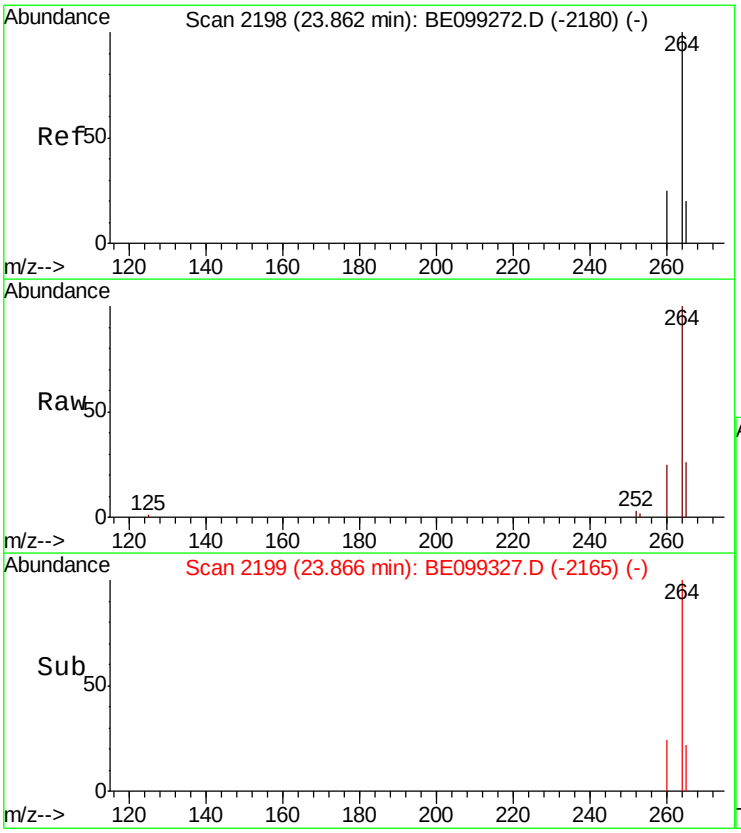
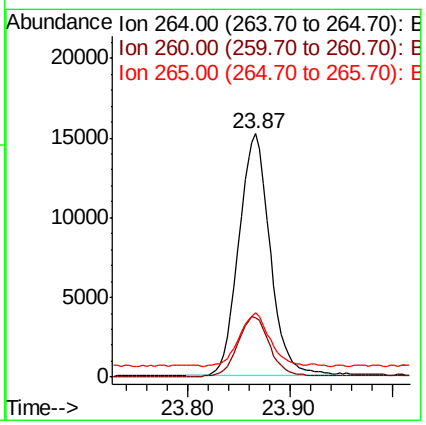
4/23/2019 3:45:43 AM

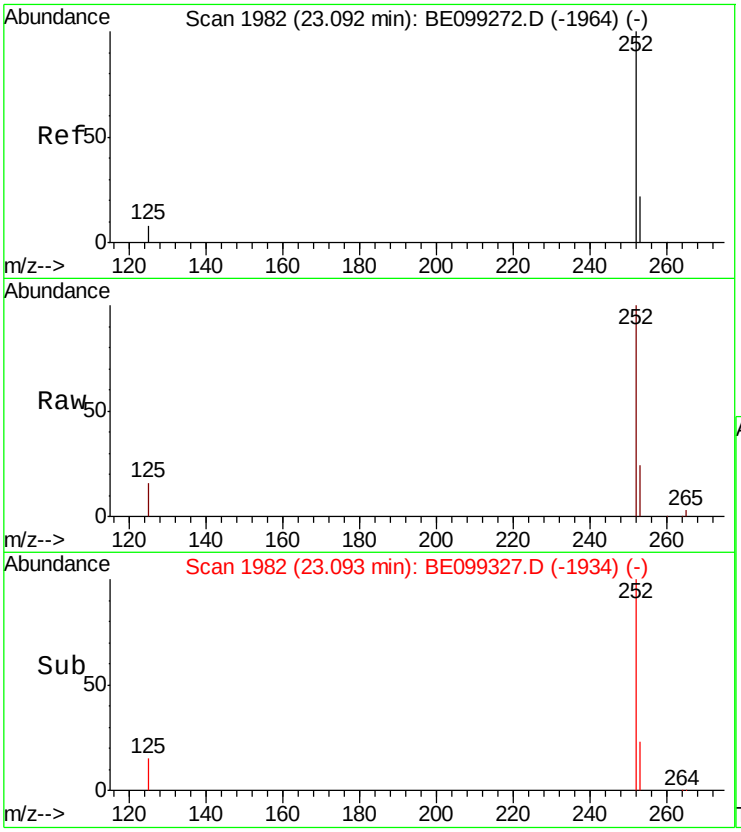


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2199
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:264 Resp: 32519

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.2	27.2
265	26.4	21.8	32.8





#35
Benzo(b)fluoranthene
Concen: 0.440 ng m
RT: 23.09 min Scan# 1982
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:252 Resp: 42727

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	16.1	6.1	9.1#

Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MSD

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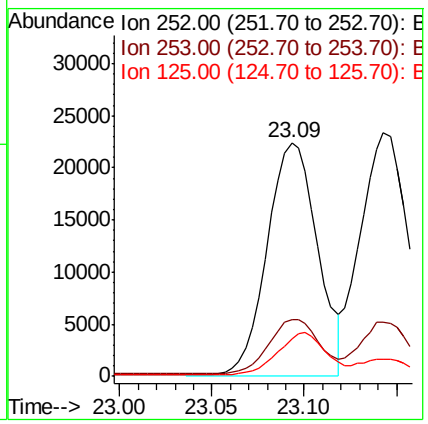
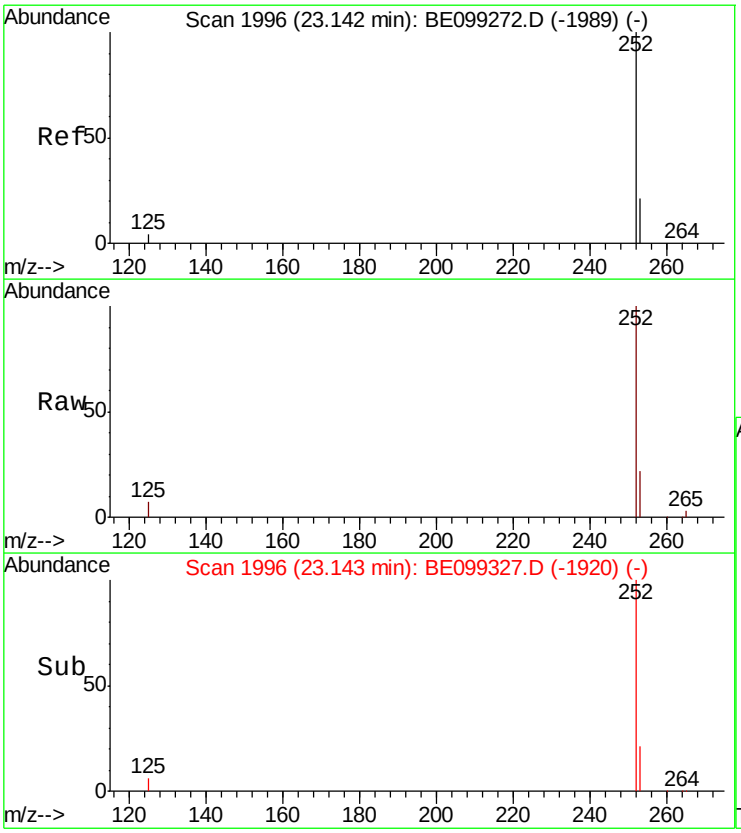
4/23/2019 3:45:43 AM

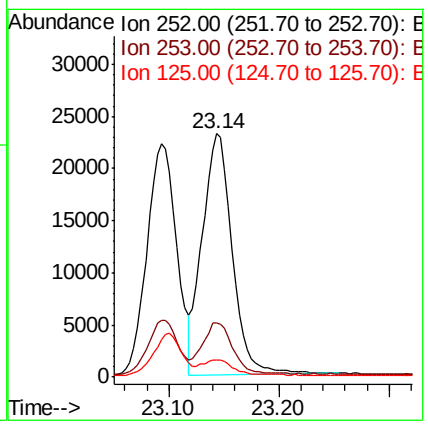


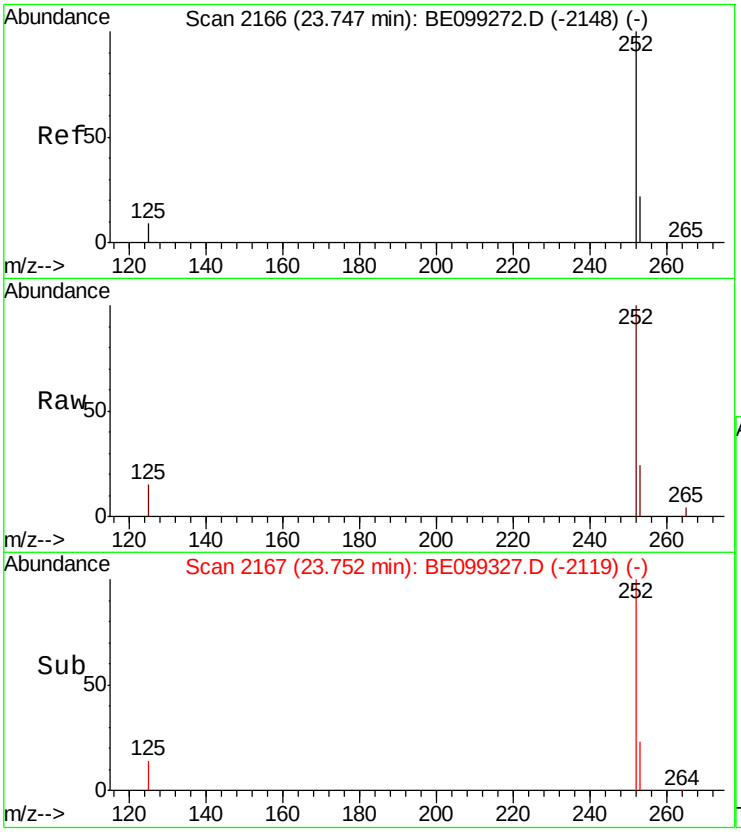


#36
Benzo(k)fluoranthene
Concen: 0.463 ng
RT: 23.14 min Scan# 1996
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:252 Resp: 43720

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	7.2	5.9	8.9





#37
Benzo(a)pyrene
Concen: 0.442 ng
RT: 23.75 min Scan# 2167
Delta R.T. -0.03 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MSD

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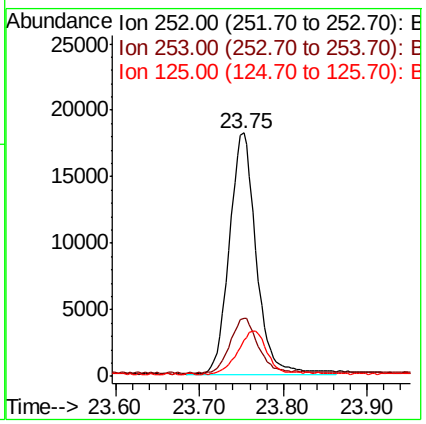
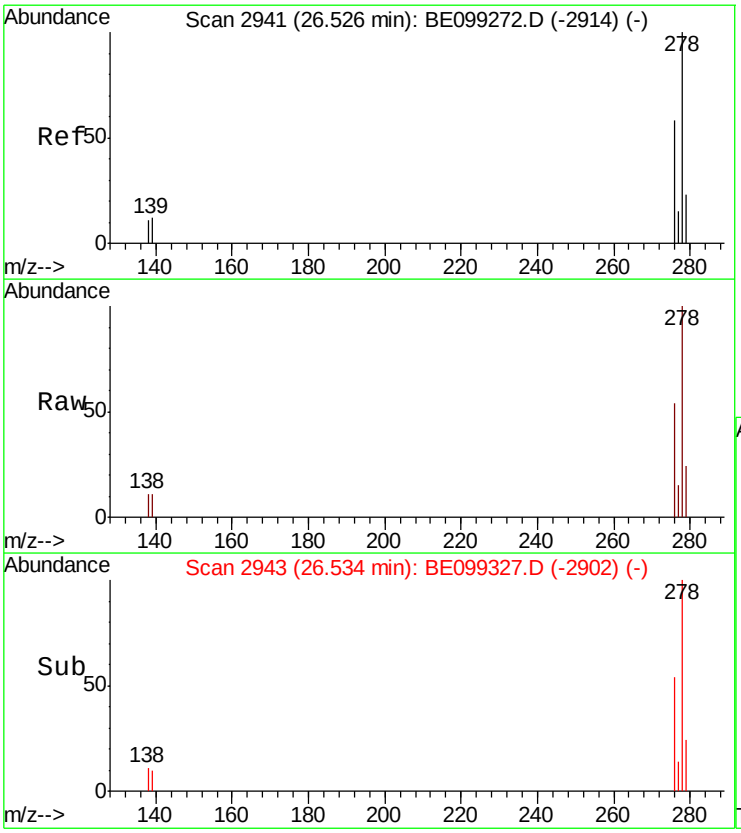
4/23/2019 3:45:43 AM

Tgt Ion:252 Resp: 40288

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	15.0	6.8	10.2#

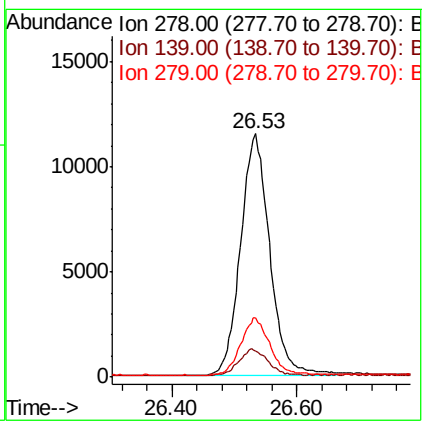


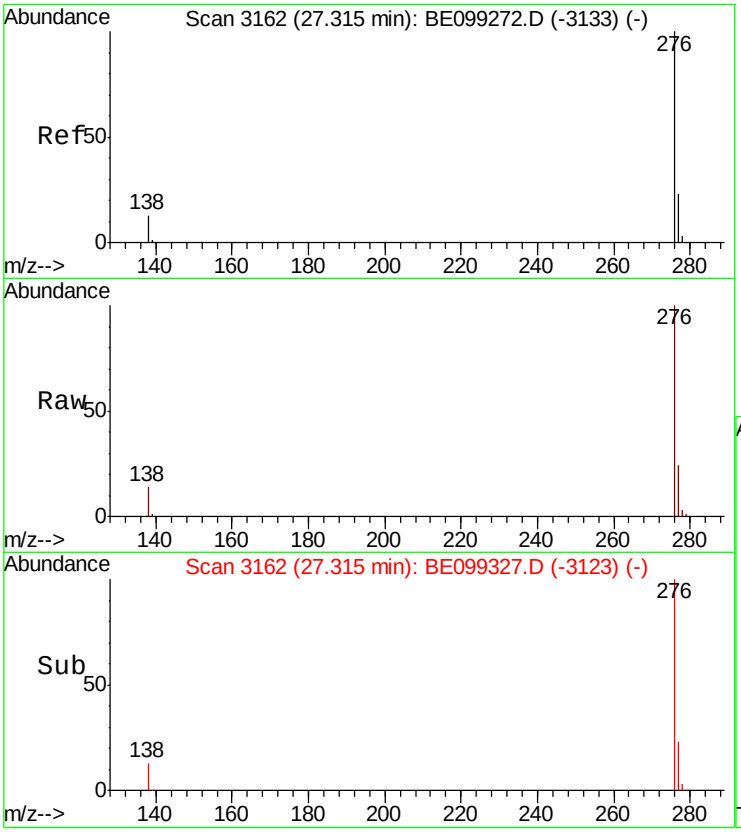


#38
Dibenzo(a,h)anthracene
Concen: 0.414 ng
RT: 26.53 min Scan# 2943
Delta R.T. -0.05 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:278 Resp: 37541

Ion	Ratio	Lower	Upper
278	100		
139	10.8	9.5	14.3
279	24.2	19.1	28.7

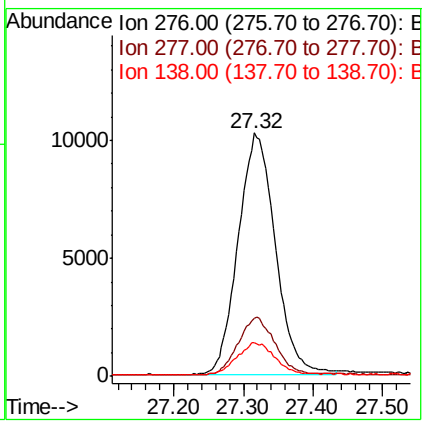




#39
Benzo(g,h,i)perylene
Concen: 0.420 ng
RT: 27.32 min Scan# 3162
Delta R.T. -0.06 min
Lab File: BE099327.D
Acq: 15 Apr 2019 15:53

Tgt Ion:276 Resp: 37951

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	14.0	11.1	16.7



Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MSD

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