Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE041519\
Data File : BE099326.D
Acq On : 15 Apr 2019 15:10
Operator : JU/SJ
Sample : K2366-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MS

Manual Integrations APPROVED
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4/23/2019 3:45:31 AM

Quant Time: Apr 16 03:54:19 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	3090	0.40	ng		-0.02
7) Naphthalene-d8	10.61	136	11113	0.40	ng		-0.01
13) Acenaphthene-d10	14.46	164	6873	0.40	ng		-0.03
19) Phenanthrene-d10	17.19	188	19674	0.40	ng		-0.03
27) Chrysene-d12	21.37	240	30868	0.40	ng		-0.03
34) Perylene-d12	23.87	264	32985	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	1452	0.18	ng		-0.01
5) Phenol-d6	6.98	99	1182	0.10	ng		-0.01
8) Nitrobenzene-d5	8.96	82	3642	0.48	ng		-0.03
11) 2-Methylnaphthalene-d10	12.21	152	7616m	0.39	ng		-0.01
14) 2,4,6-Tribromophenol	15.94	330	1197	0.38	ng		-0.01
15) 2-Fluorobiphenyl	13.09	172	13536	0.50	ng		-0.01
25) Fluoranthene-d10	19.22	212	116479	0.45	ng		-0.02
29) Terphenyl-d14	19.82	244	25186	0.45	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	1376	0.327	ng	#	60
3) n-Nitrosodimethylamine	3.66	42	276	0.111	ng	#	38
6) bis(2-Chloroethyl)ether	7.24	93	4239	0.419	ng		99
9) Naphthalene	10.65	128	50968	0.422	ng		99
10) Hexachlorobutadiene	10.94	225	2765	0.352	ng		97
12) 2-Methylnaphthalene	12.28	142	8378	0.407	ng		98
16) Acenaphthylene	14.18	152	12880	0.396	ng		99
17) Acenaphthene	14.53	154	8144	0.424	ng		98
18) Fluorene	15.49	166	11488	0.414	ng		98
20) 4-Bromophenyl-phenylether	16.38	248	4434	0.397	ng	#	85
21) Hexachlorobenzene	16.49	284	4163	0.392	ng		98
22) Pentachlorophenol	16.84	266	3185	0.721	ng		91
23) Phenanthrene	17.23	178	22537	0.443	ng		99
24) Anthracene	17.32	178	19856	0.414	ng		100
26) Fluoranthene	19.25	202	32856	0.437	ng		99
28) Pyrene	19.61	202	36141	0.443	ng		99
30) Benzo(a)anthracene	21.35	228	42209	0.434	ng		98
31) Chrysene	21.40	228	41454	0.435	ng		99
32) Bis(2-ethylhexyl)phthalate	21.27	149	55587	0.449	ng		100
33) Indeno(1,2,3-cd)pyrene	26.50	276	44493	0.408	ng		97
35) Benzo(b)fluoranthene	23.09	252	42265m	0.429	ng		
36) Benzo(k)fluoranthene	23.14	252	43631	0.456	ng		99
37) Benzo(a)pyrene	23.75	252	40397	0.437	ng	#	98
38) Dibenzo(a,h)anthracene	26.53	278	37470	0.407	ng		97
39) Benzo(g,h,i)perylene	27.32	276	38098	0.415	ng		100

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE041519\
Data File : BE099326.D
Acq On : 15 Apr 2019 15:10
Operator : JU/SJ
Sample : K2366-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 16 03:54:19 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

Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MS

Manual Integrations APPROVED
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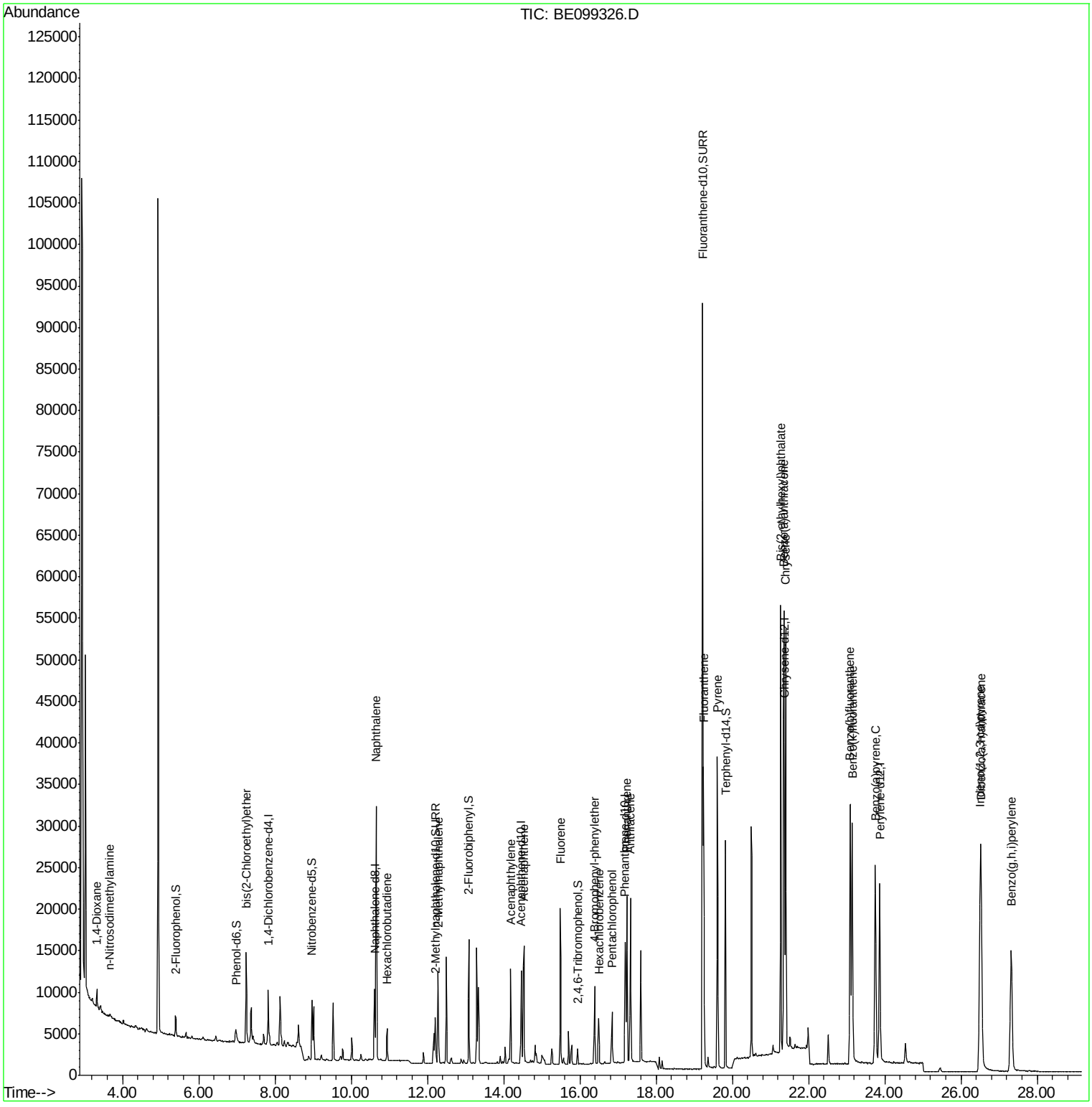
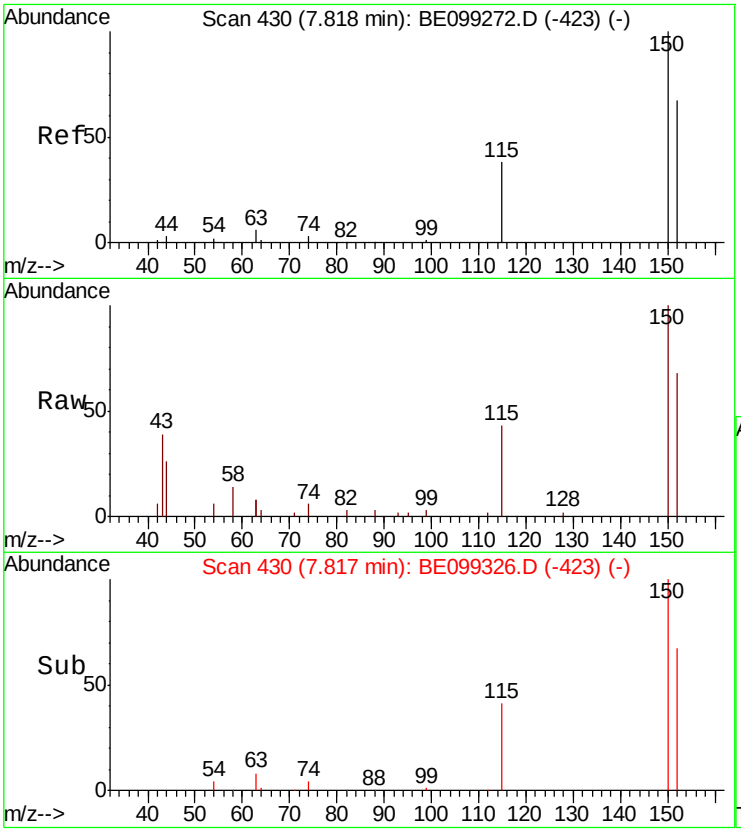
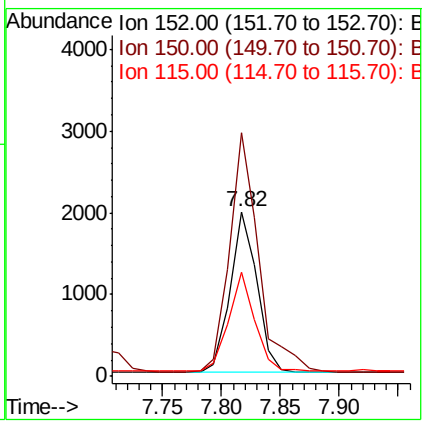




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.02 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:152 Resp: 3090

Ion	Ratio	Lower	Upper
152	100		
150	148.0	112.8	169.2
115	63.1	45.1	67.7



Instrument :
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ClientSampleId :
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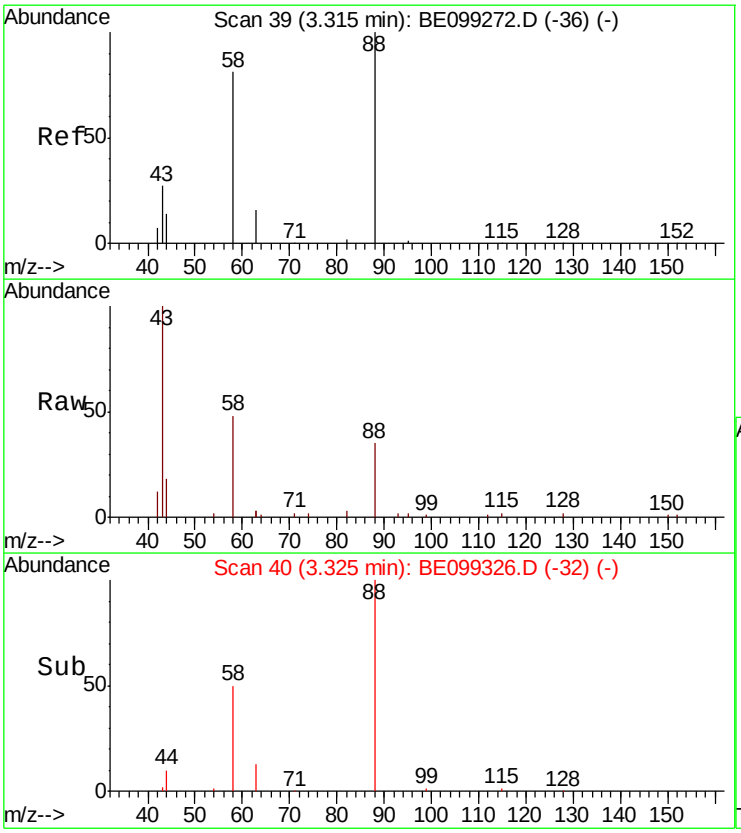
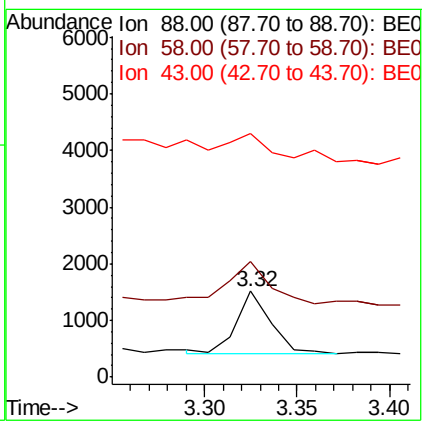
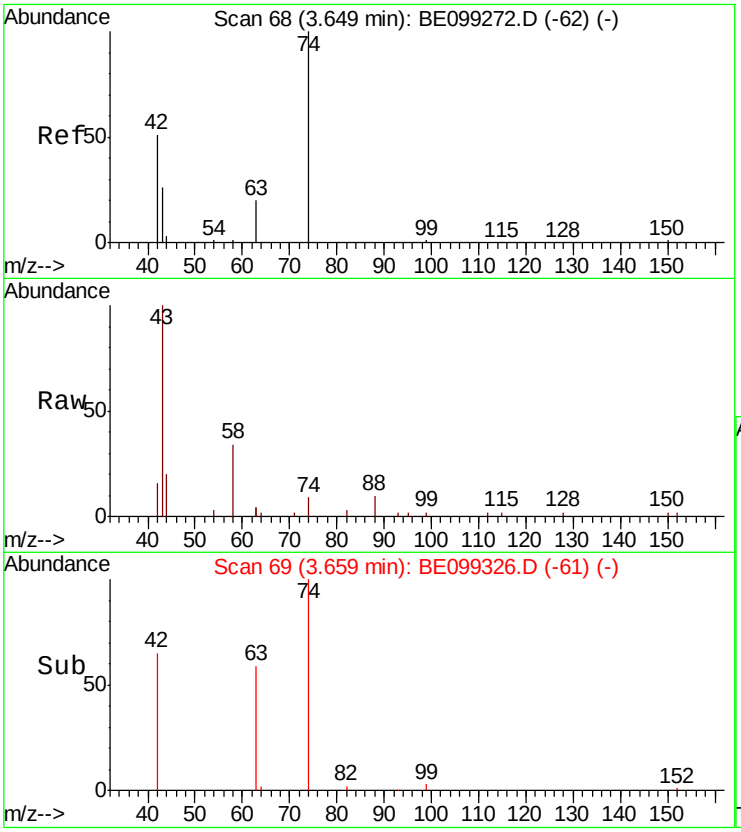


#2
1,4-Dioxane
Concen: 0.327 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion: 88 Resp: 1376

Ion	Ratio	Lower	Upper
88	100		
58	76.8	47.4	71.0#
43	60.9	15.6	23.4#

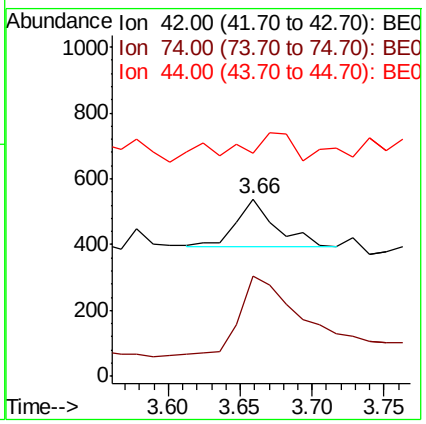




#3
n-Nitrosodimethylamine
Concen: 0.111 ng
RT: 3.66 min Scan# 69
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion: 42 Resp: 276

Ion	Ratio	Lower	Upper
42	100		
74	256.5	138.6	207.8#
44	52.5	15.0	22.6#



Instrument :
BNA_E
ClientSampleId :
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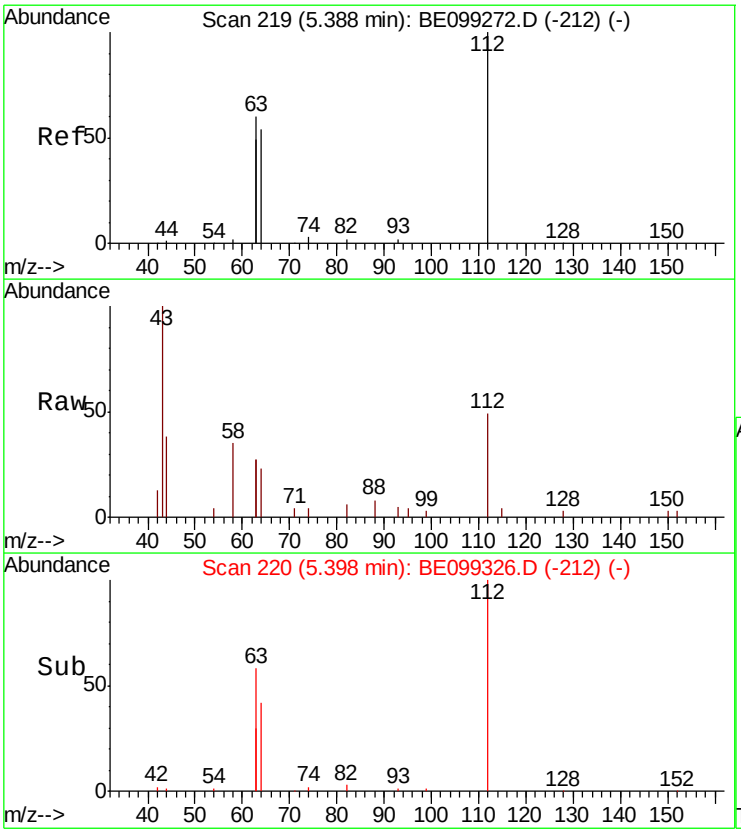
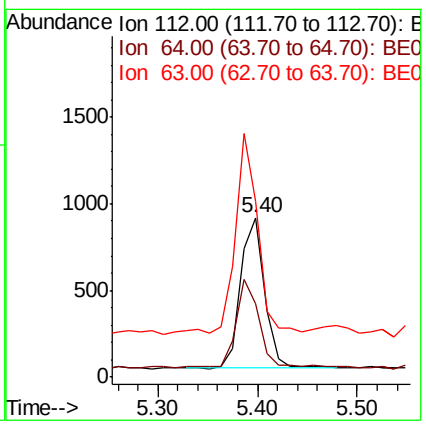
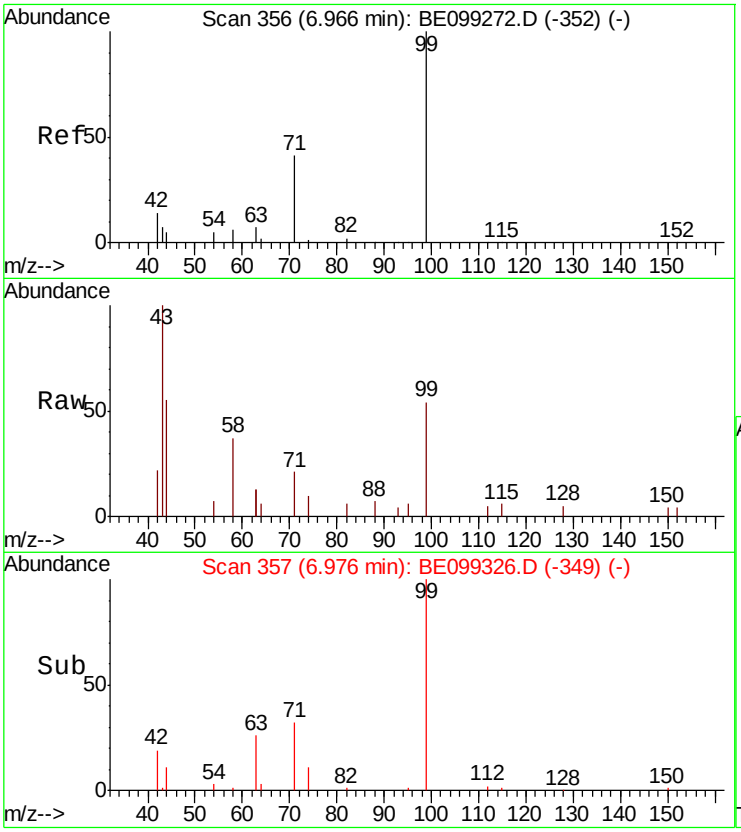


#4
2-Fluorophenol
Concen: 0.177 ng
RT: 5.40 min Scan# 220
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:112 Resp: 1452

Ion	Ratio	Lower	Upper
112	100		
64	56.2	46.2	69.2
63	119.8	89.9	134.9





#5
Phenol-d6
Concen: 0.105 ng
RT: 6.98 min Scan# 357
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion: 99 Resp: 1182

Ion	Ratio	Lower	Upper
99	100		
42	27.2	12.4	18.6#
71	44.2	28.4	42.6#

Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MS

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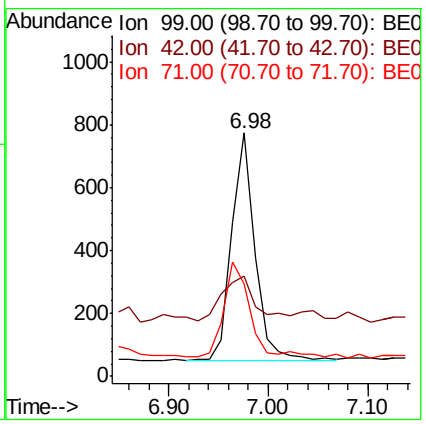
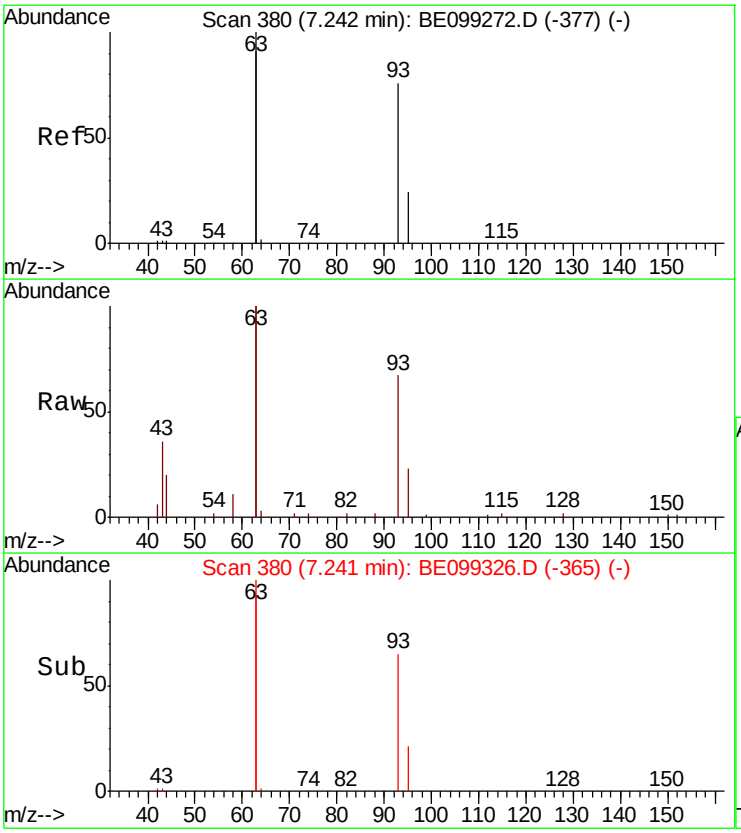
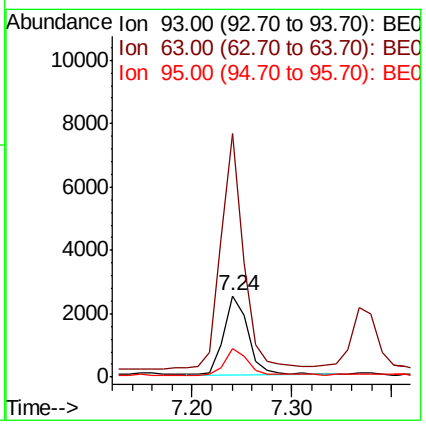


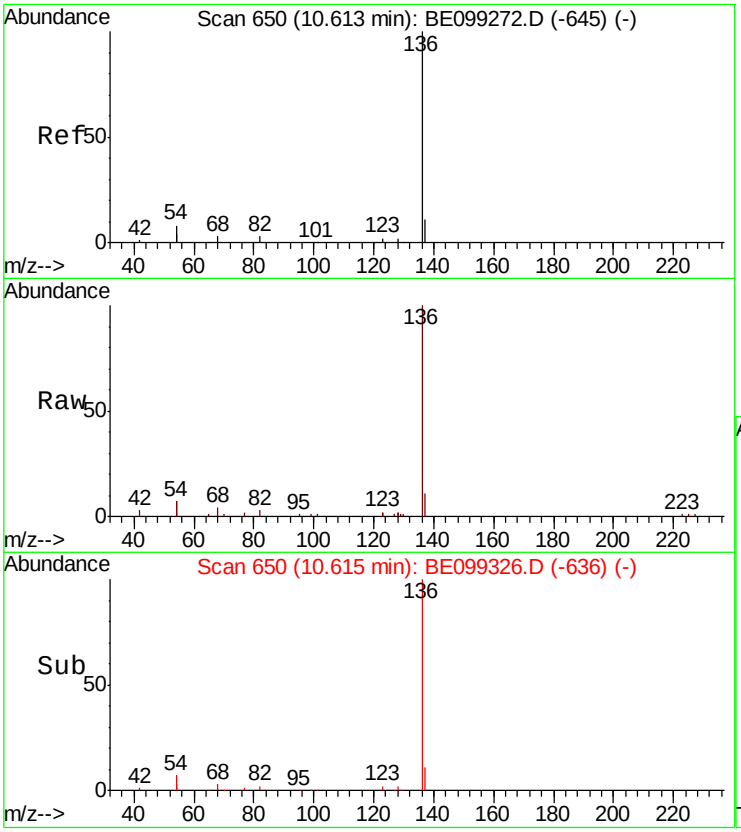


#6
bis(2-Chloroethyl)ether
Concen: 0.419 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.02 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion: 93 Resp: 4239

Ion	Ratio	Lower	Upper
93	100		
63	278.9	221.4	332.0
95	32.9	25.8	38.8

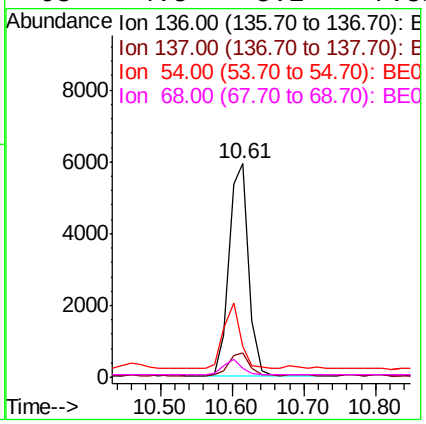




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:136 Resp: 11113

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	14.1	18.7	28.1#
68	4.5	5.2	7.8#



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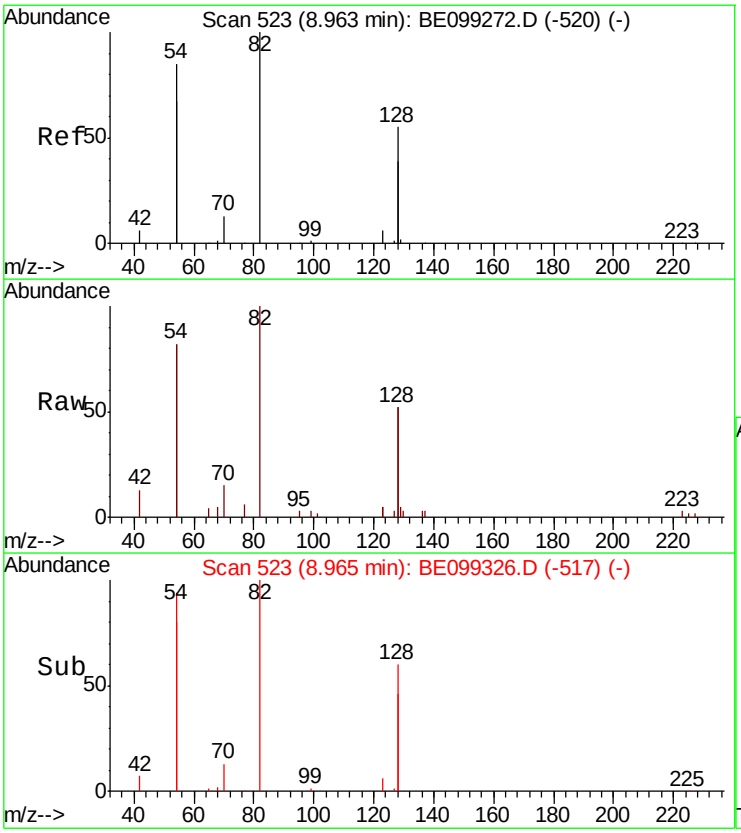
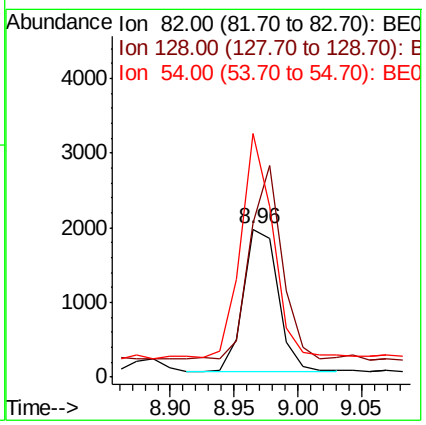
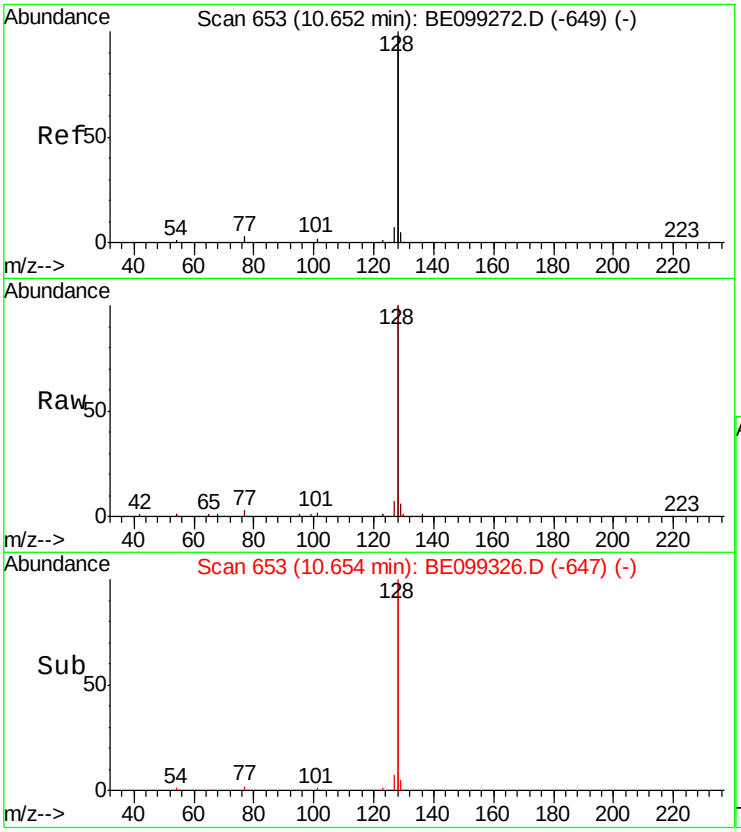


#8
Nitrobenzene-d5
Concen: 0.477 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion: 82 Resp: 3642

Ion	Ratio	Lower	Upper
82	100		
128	104.4	107.5	161.3#
54	164.5	106.3	159.5#

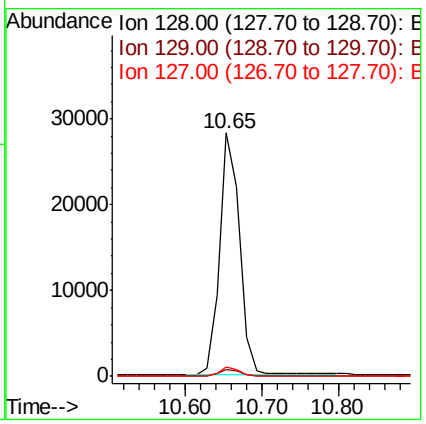




#9
Naphthalene
Concen: 0.422 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:128 Resp: 50968

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.3	3.5
127	3.6	2.6	3.8



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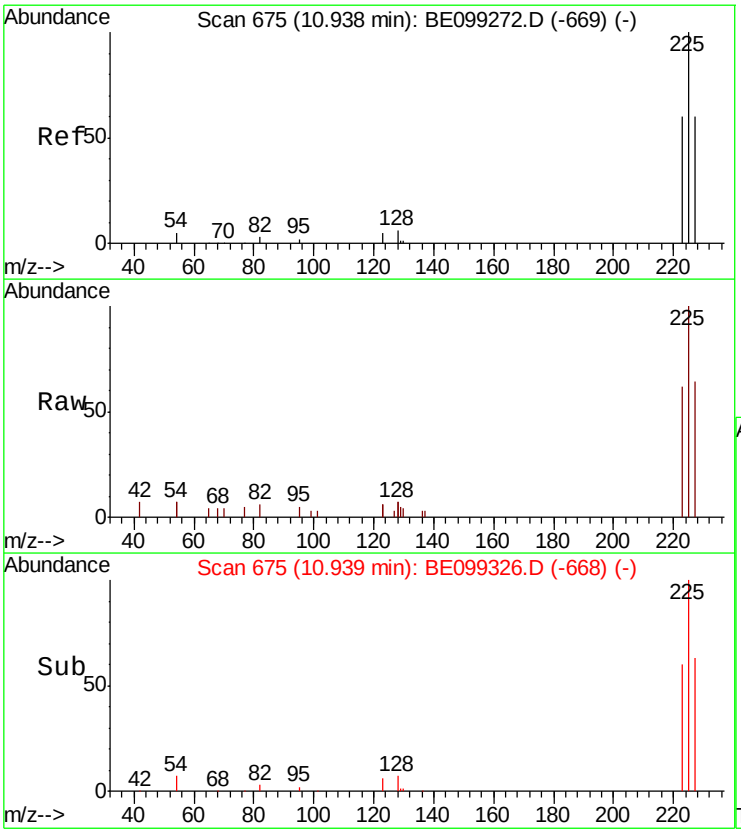
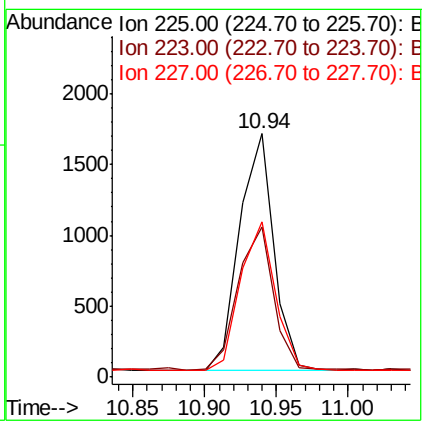
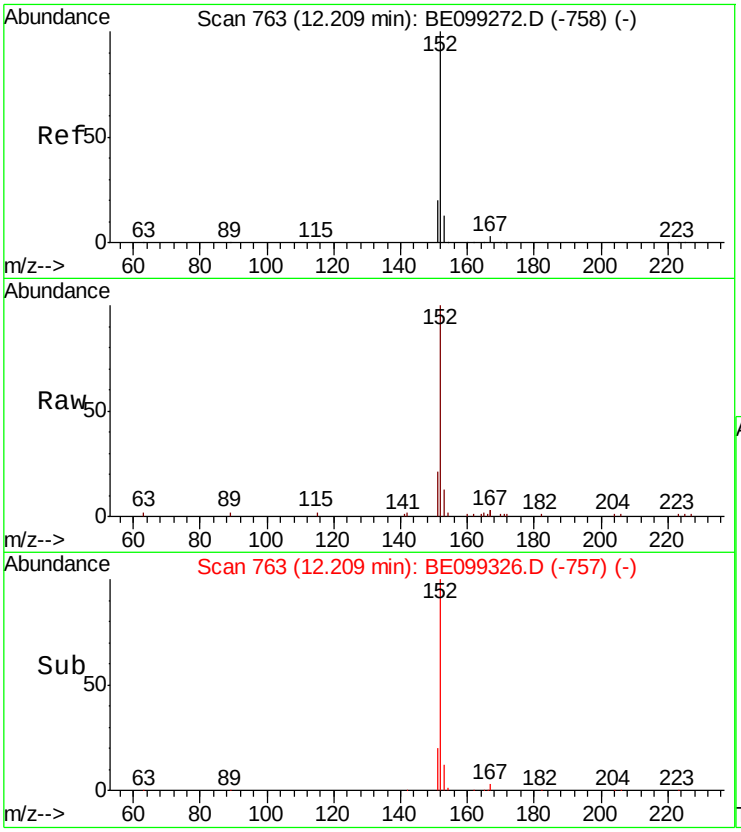


#10
Hexachlorobutadiene
Concen: 0.352 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:225 Resp: 2765

Ion	Ratio	Lower	Upper
225	100		
223	62.0	51.3	76.9
227	64.1	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: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:152 Resp: 7616

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.0	22.6

Instrument :
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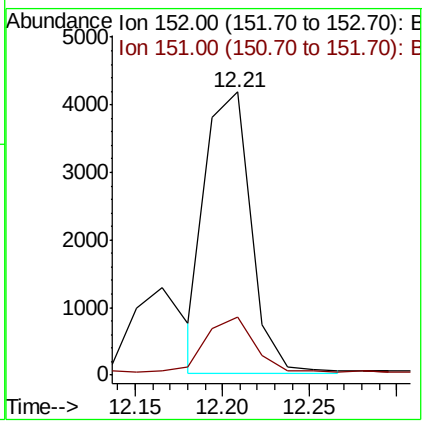
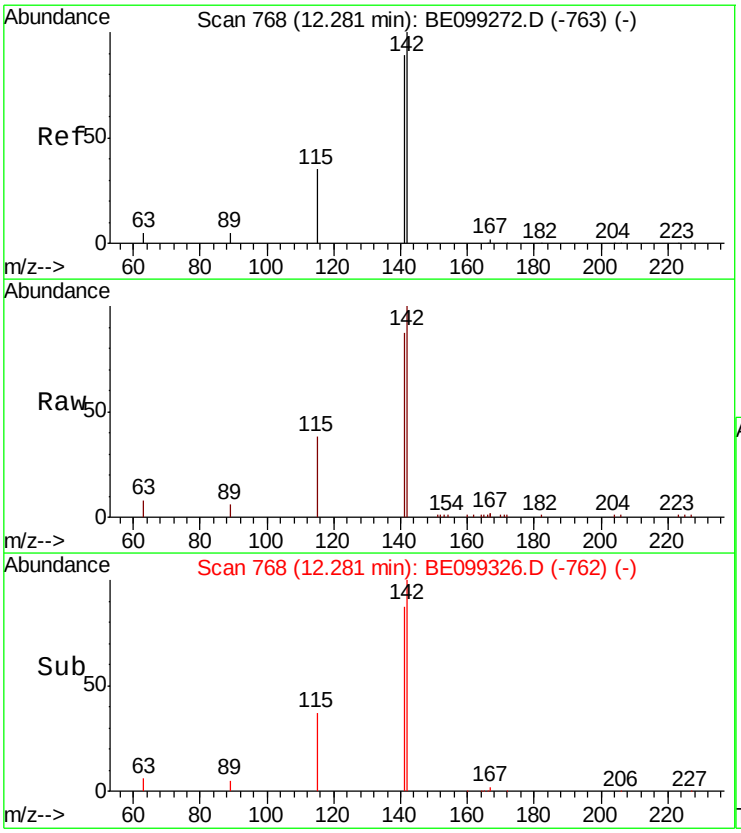
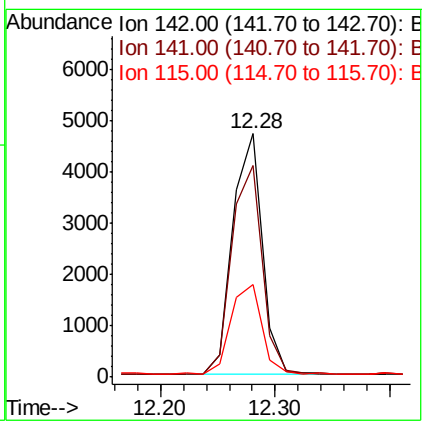


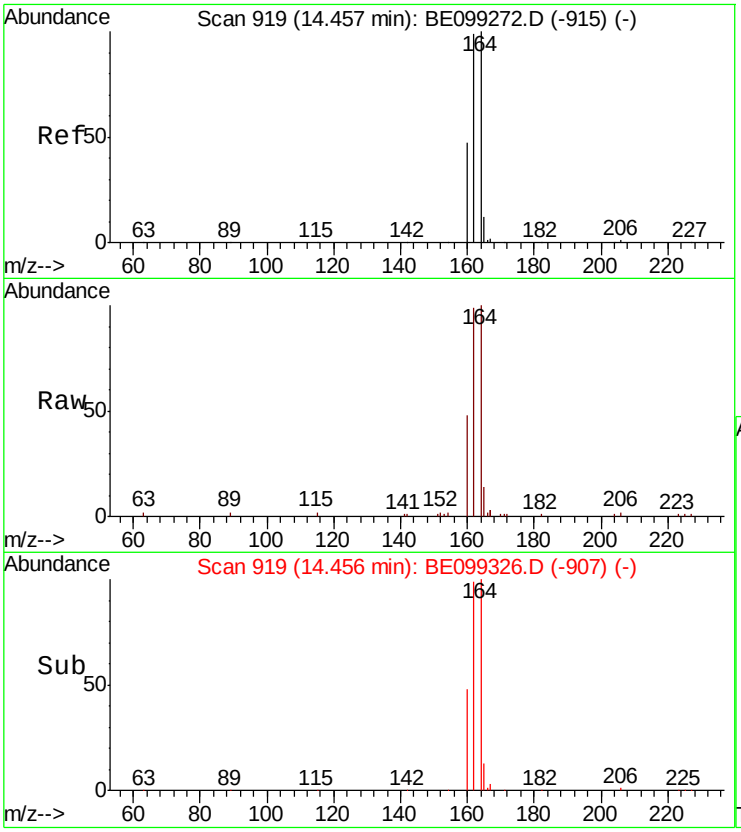


#12
2-Methylnaphthalene
Concen: 0.407 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:142 Resp: 8378

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.3	106.9
115	37.8	30.4	45.6

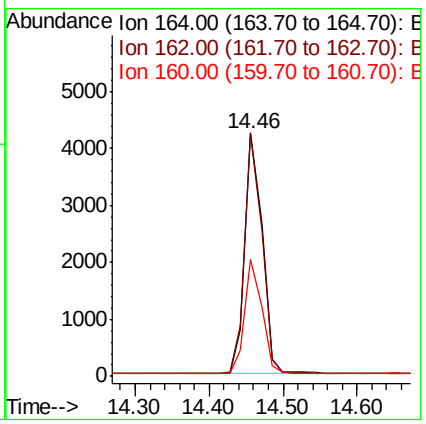




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:164 Resp: 6873

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.2	118.8
160	48.2	36.7	55.1



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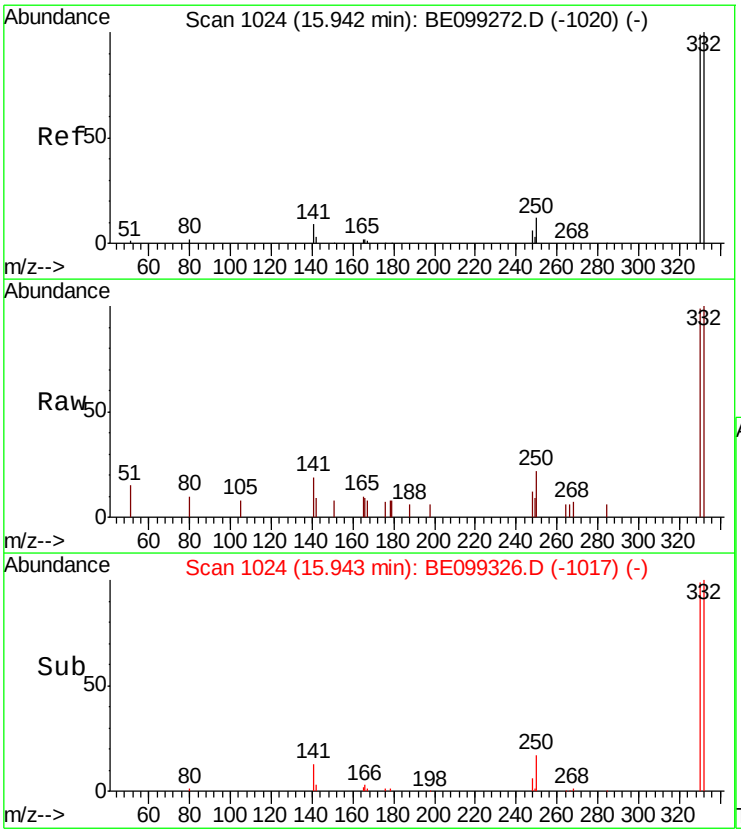
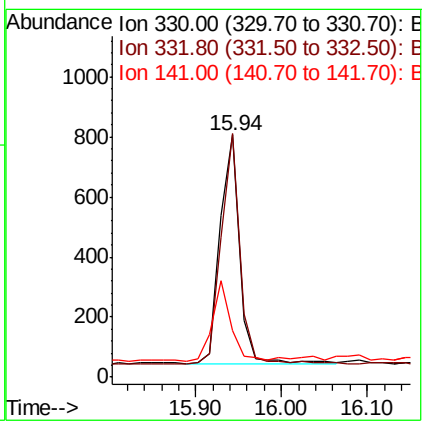
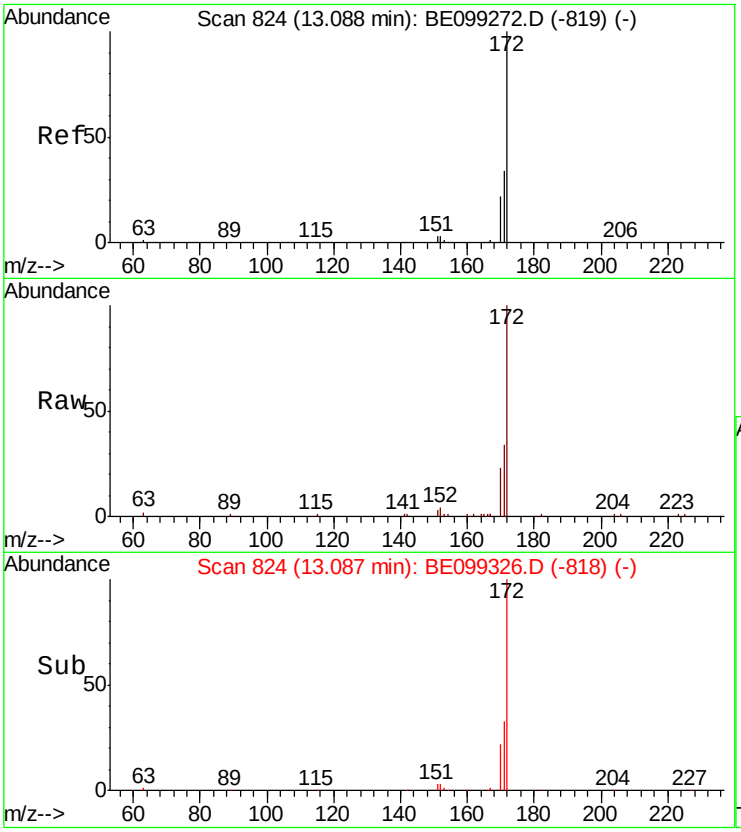


#14
2,4,6-Tribromophenol
Concen: 0.378 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:330 Resp: 1197

Ion	Ratio	Lower	Upper
330	100		
332	97.2	71.3	106.9
141	33.6	21.7	32.5#

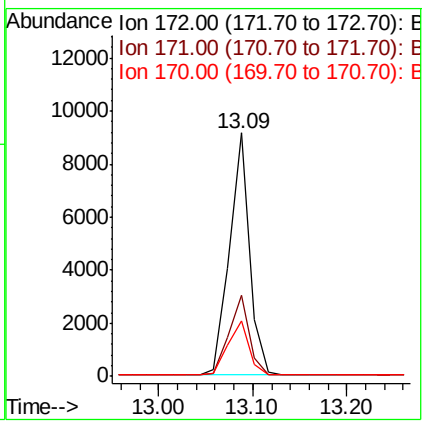




#15
2-Fluorobiphenyl
Concen: 0.501 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:172 Resp: 13536

Ion	Ratio	Lower	Upper
172	100		
171	33.5	27.4	41.0
170	22.8	19.1	28.7



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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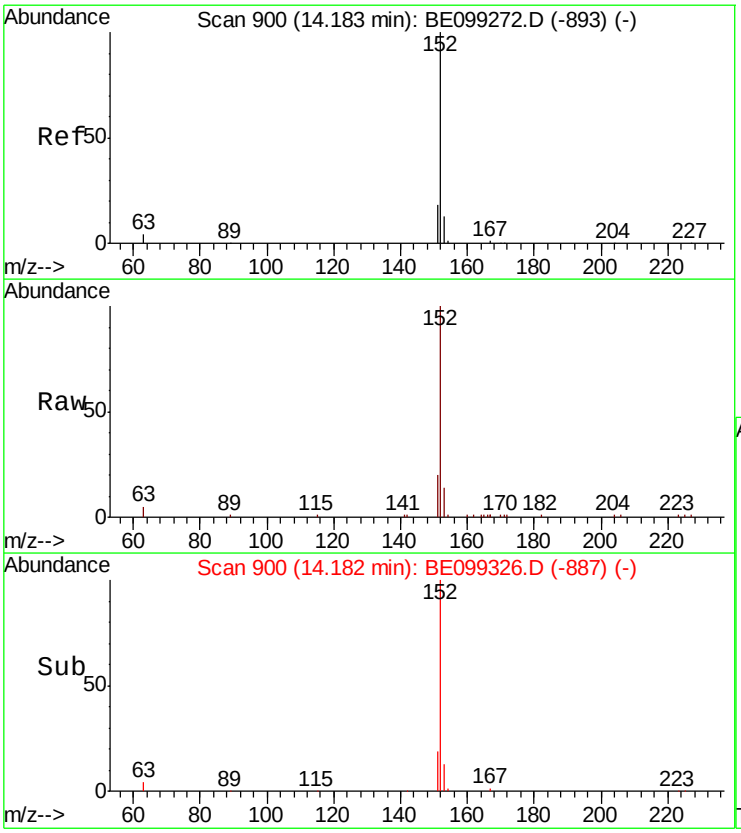
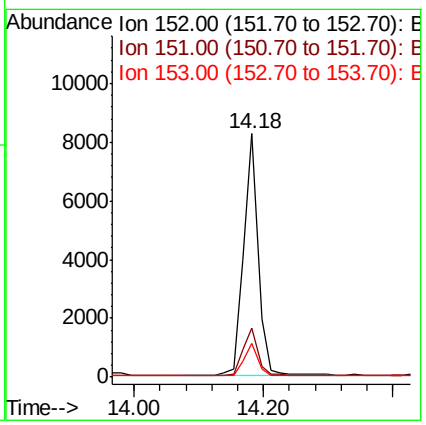
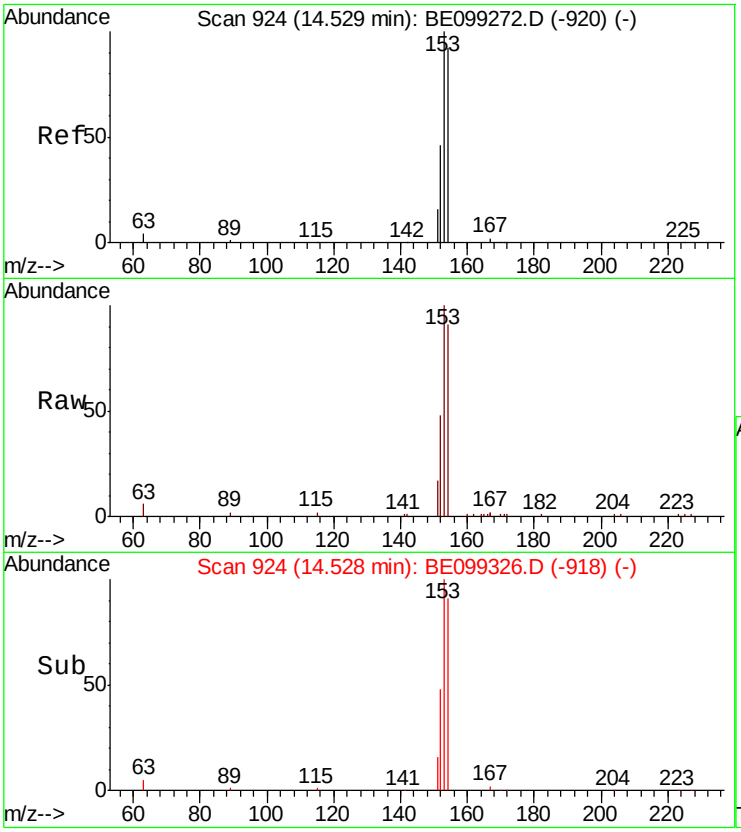


#16
Acenaphthylene
Concen: 0.396 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:152 Resp: 12880

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	12.7	10.6	15.8

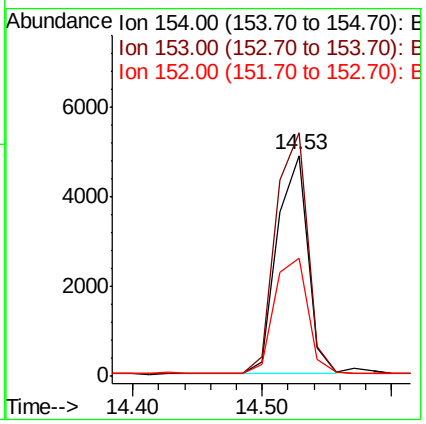




#17
Acenaphthene
Concen: 0.424 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:154 Resp: 8144

Ion	Ratio	Lower	Upper
154	100		
153	114.1	93.4	140.0
152	57.3	46.6	69.8



Instrument :
BNA_E
ClientSampleId :
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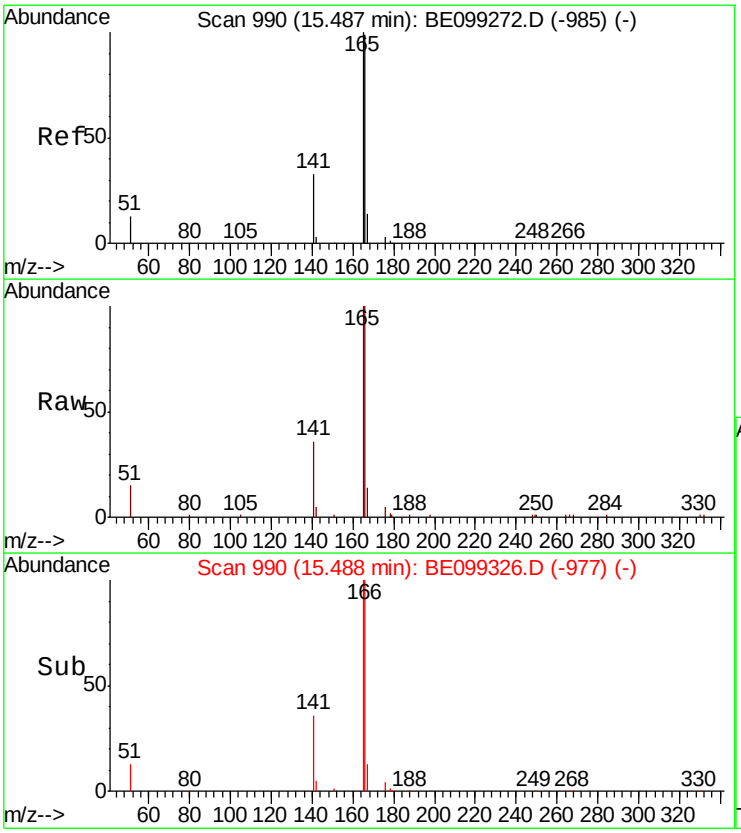
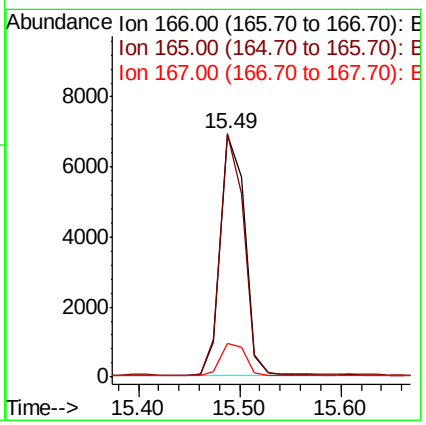
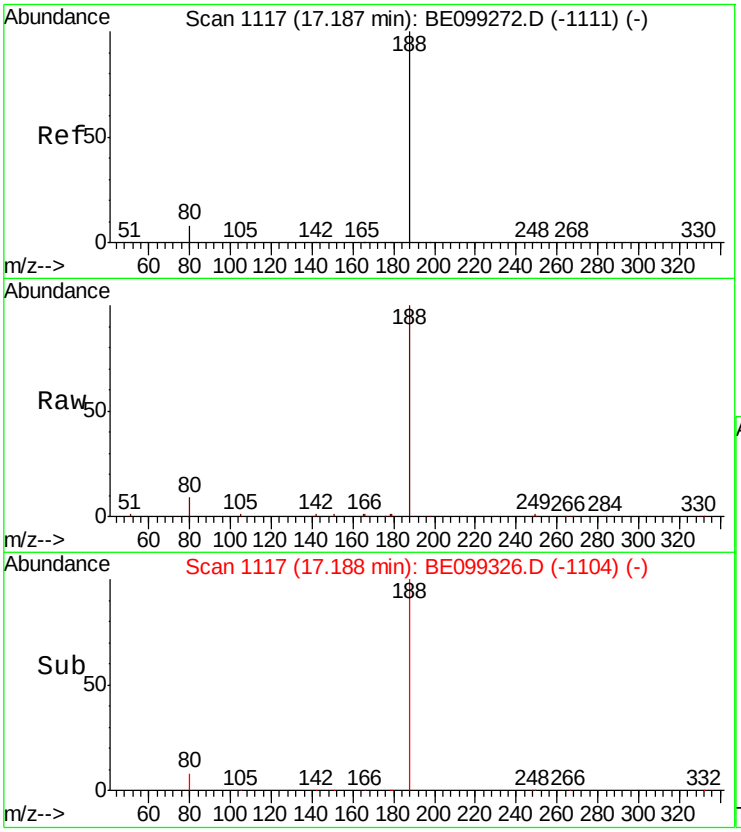


#18
Fluorene
Concen: 0.414 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:166 Resp: 11488

Ion	Ratio	Lower	Upper
166	100		
165	96.8	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: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:188 Resp: 19674

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	4.5	6.7#

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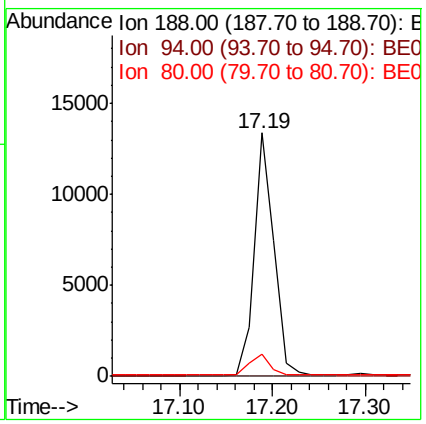
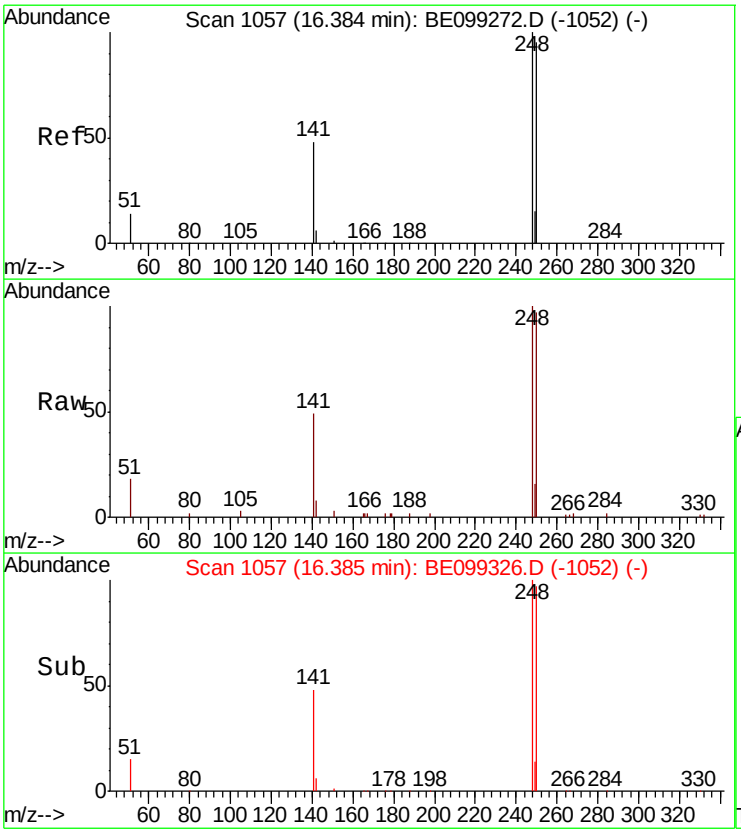
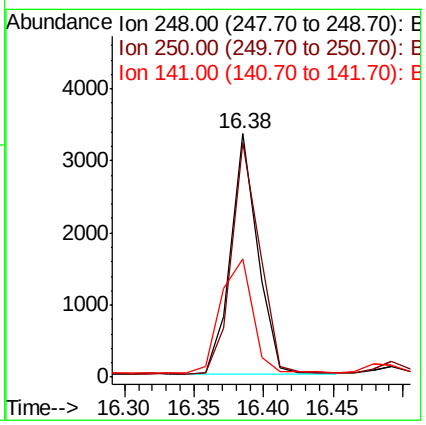


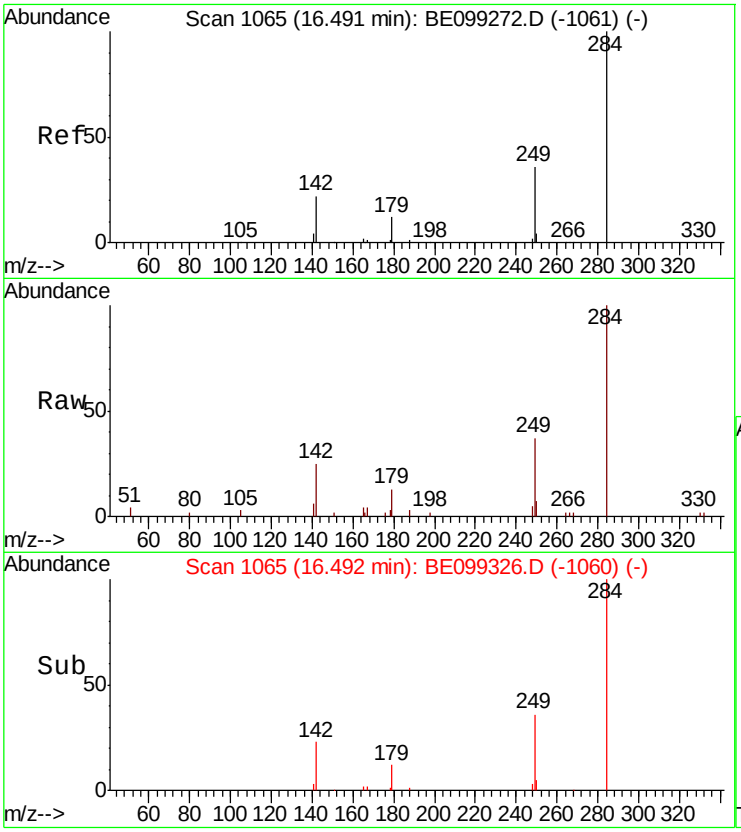


#20
4-Bromophenyl-phenylether
Concen: 0.397 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:248 Resp: 4434

Ion	Ratio	Lower	Upper
248	100		
250	96.6	84.2	126.2
141	48.7	21.8	32.6#

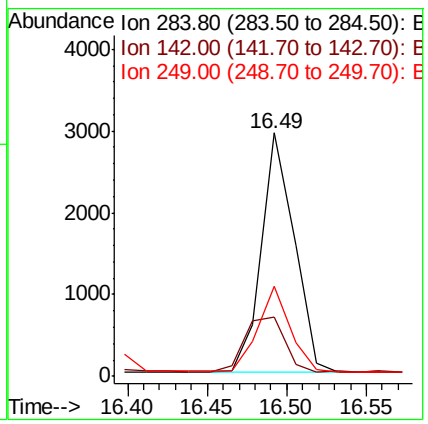




#21
Hexachlorobenzene
Concen: 0.392 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:284 Resp: 4163

Ion	Ratio	Lower	Upper
284	100		
142	28.3	22.7	34.1
249	35.5	26.9	40.3



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ClientSampleId :
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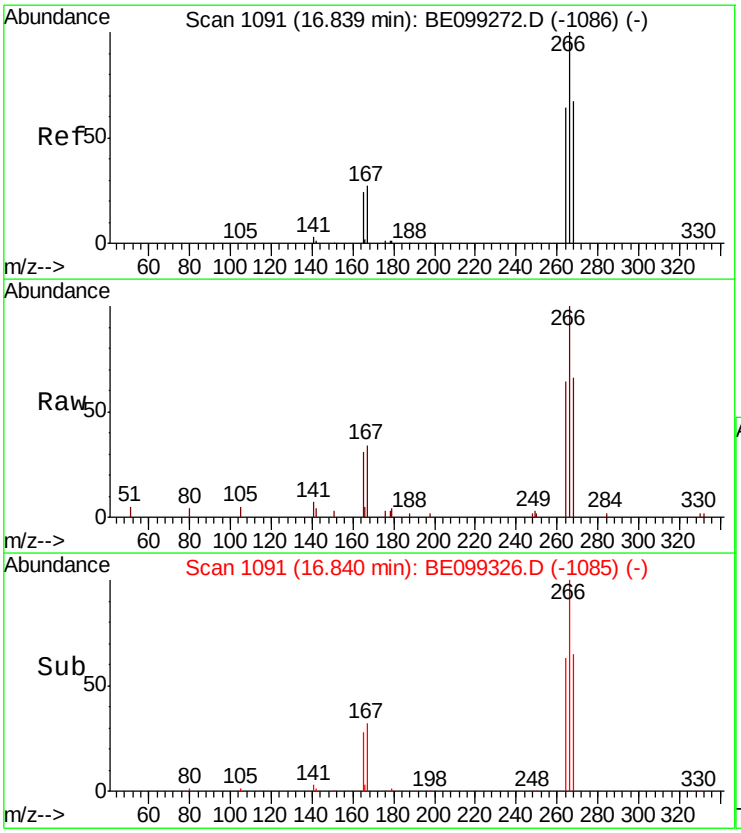
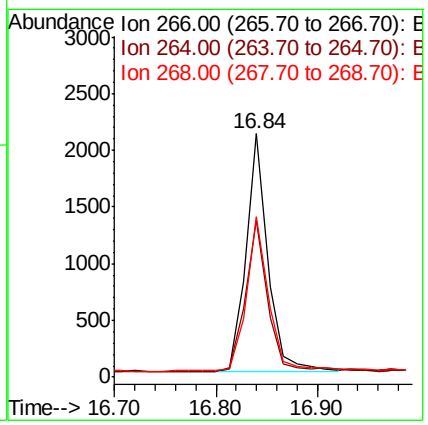
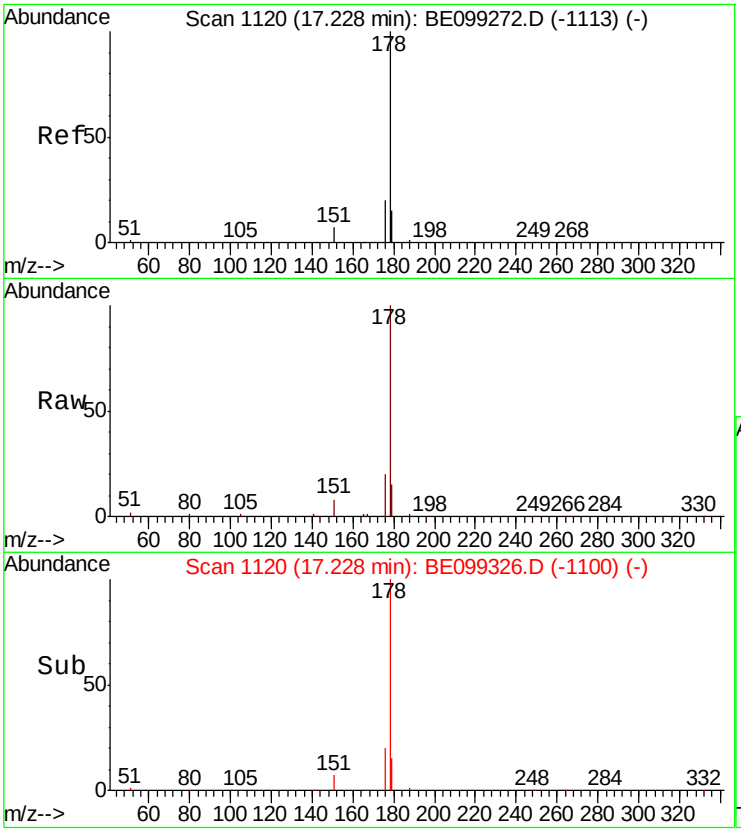


#22
Pentachlorophenol
Concen: 0.721 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:266 Resp: 3185

Ion	Ratio	Lower	Upper
266	100		
264	64.1	54.4	81.6
268	66.1	61.3	91.9

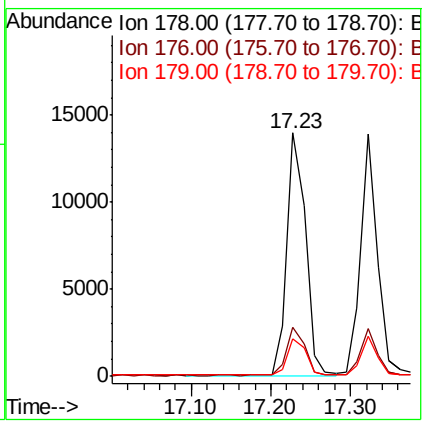




#23
Phenanthrene
Concen: 0.443 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:178 Resp: 22537

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	14.9	12.3	18.5



Instrument :
BNA_E
ClientSampleId :
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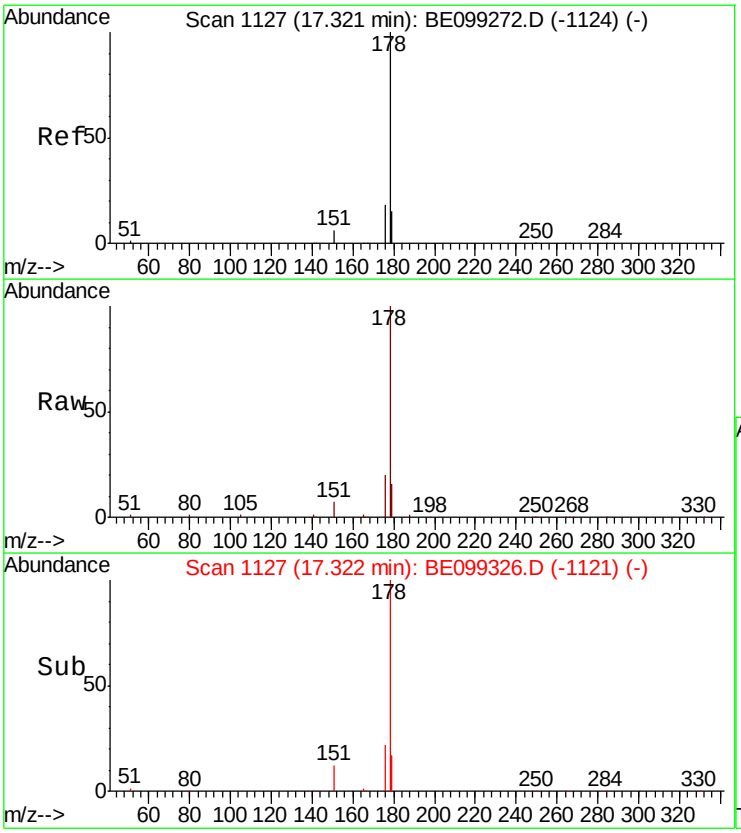
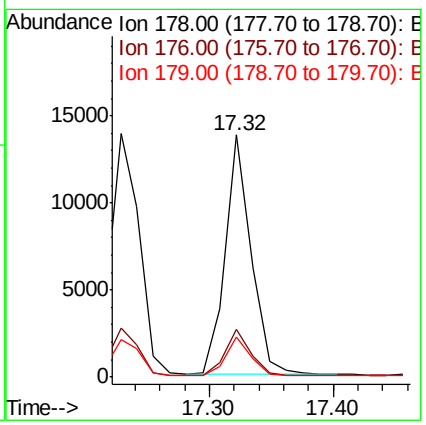
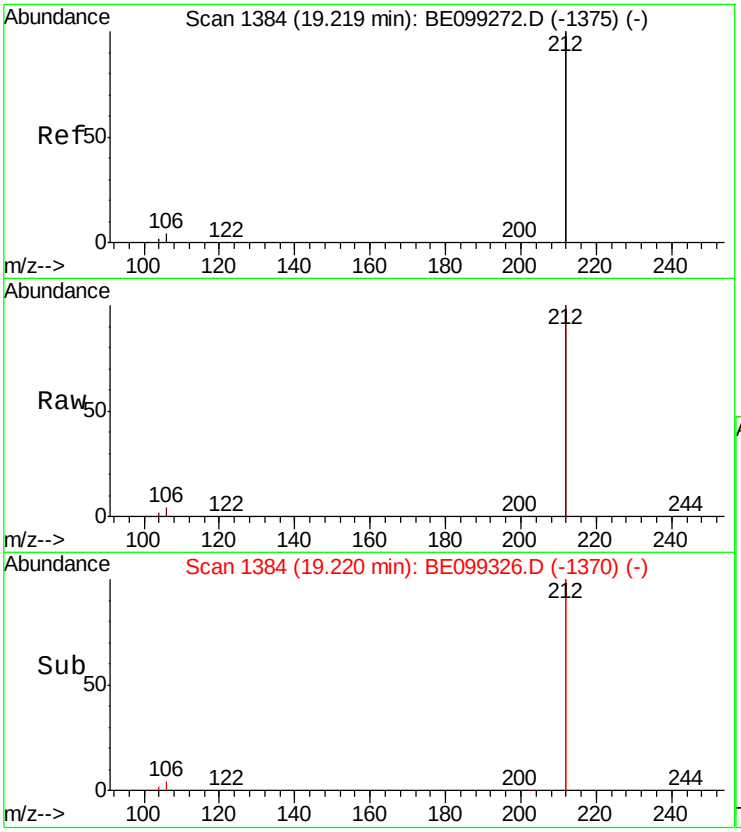


#24
Anthracene
Concen: 0.414 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:178 Resp: 19856

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.7	12.4	18.6

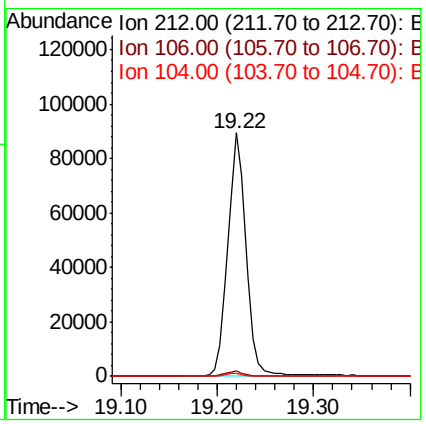




#25
Fluoranthene-d10
Concen: 0.449 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:212 Resp: 116479

Ion	Ratio	Lower	Upper
212	100		
106	2.2	1.8	2.8
104	1.2	1.1	1.7



Instrument :
BNA_E
ClientSampleId :
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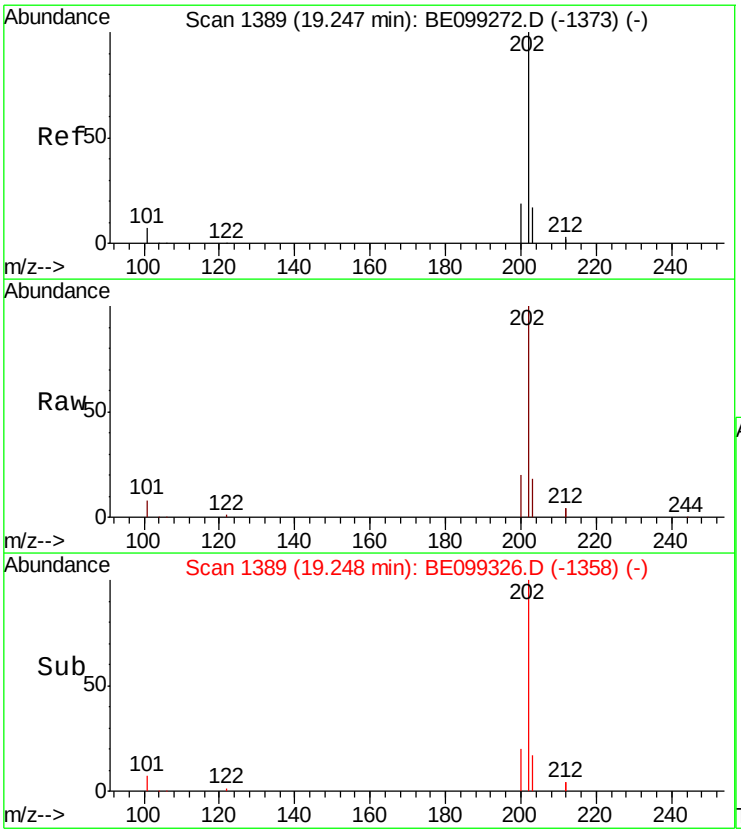
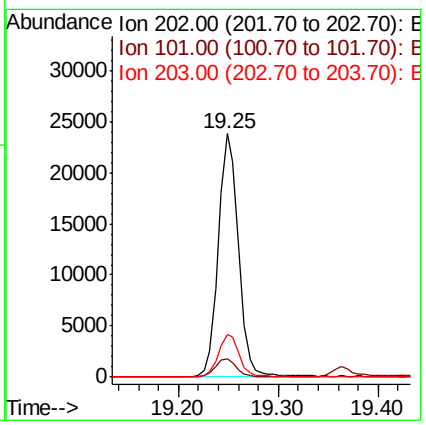
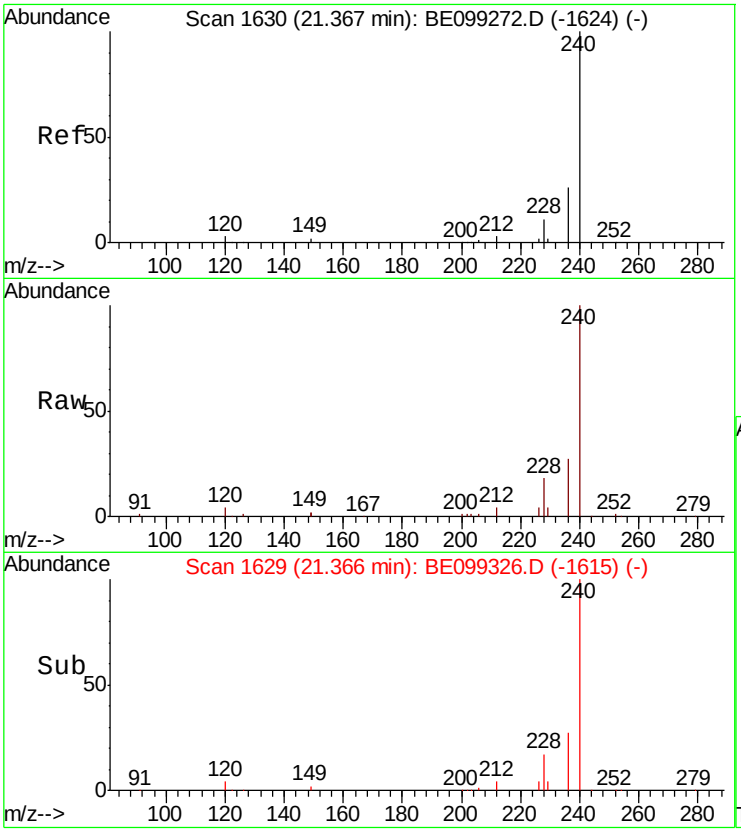


#26
Fluoranthene
Concen: 0.437 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:202 Resp: 32856

Ion	Ratio	Lower	Upper
202	100		
101	7.8	7.0	10.4
203	17.4	13.8	20.6





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:240 Resp: 30868

Ion	Ratio	Lower	Upper
240	100		
120	4.4	2.6	3.8#
236	27.1	20.9	31.3

Instrument :
BNA_E
ClientSampleId :
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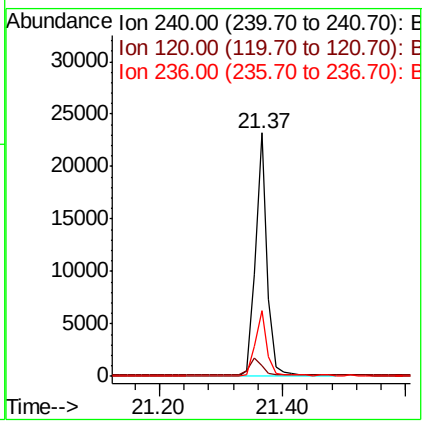
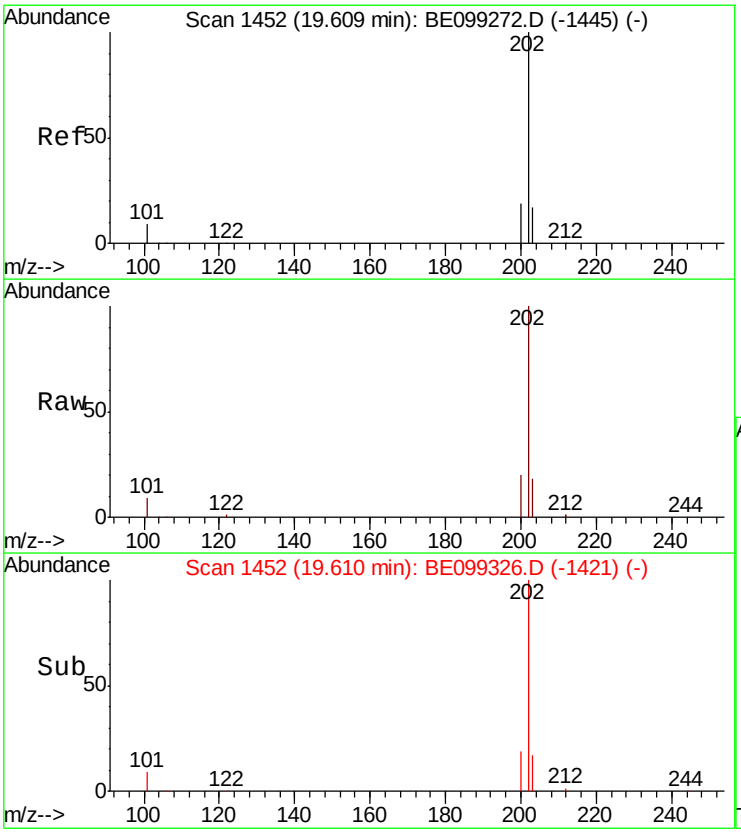
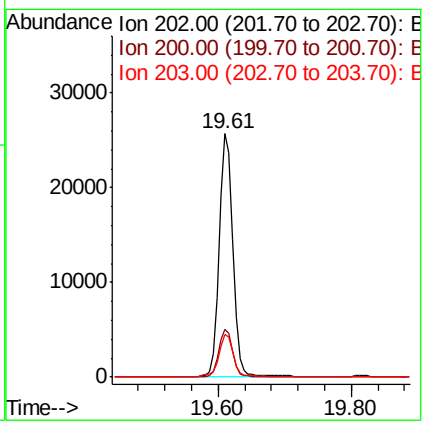


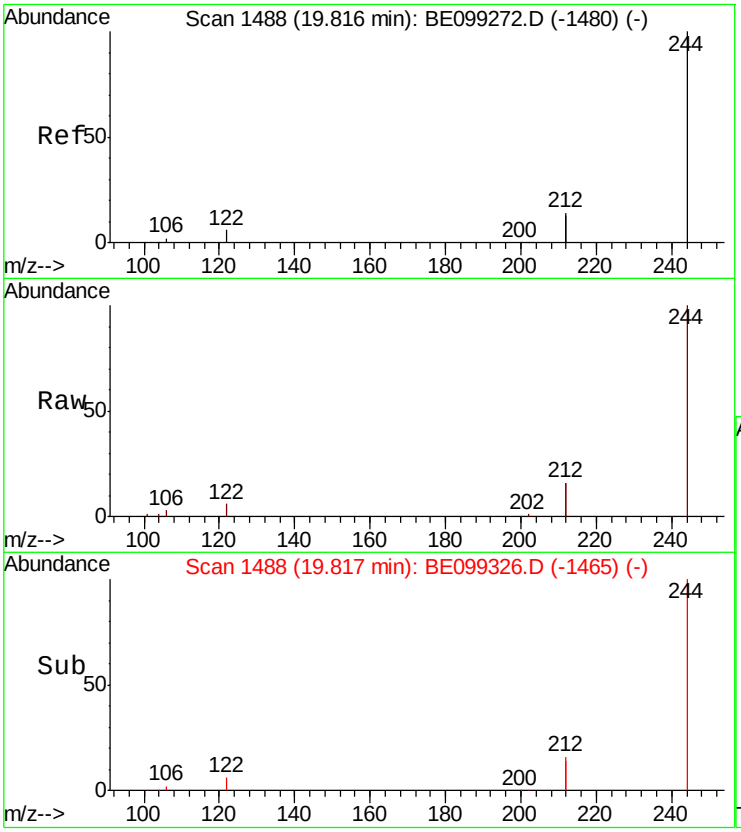


#28
Pyrene
Concen: 0.443 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:202 Resp: 36141

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.8	23.8
203	18.1	14.1	21.1

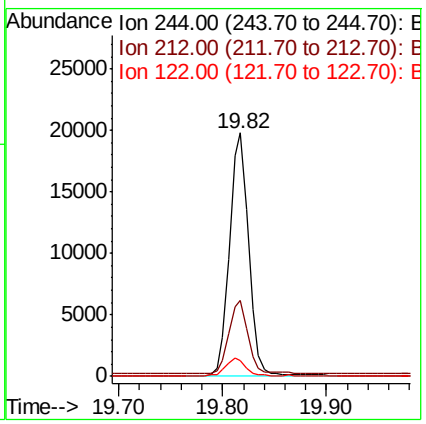




#29
Terphenyl-d14
Concen: 0.447 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.02 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:244 Resp: 25186

Ion	Ratio	Lower	Upper
244	100		
212	31.2	22.7	34.1
122	6.4	5.8	8.6



Instrument :
BNA_E
ClientSampleId :
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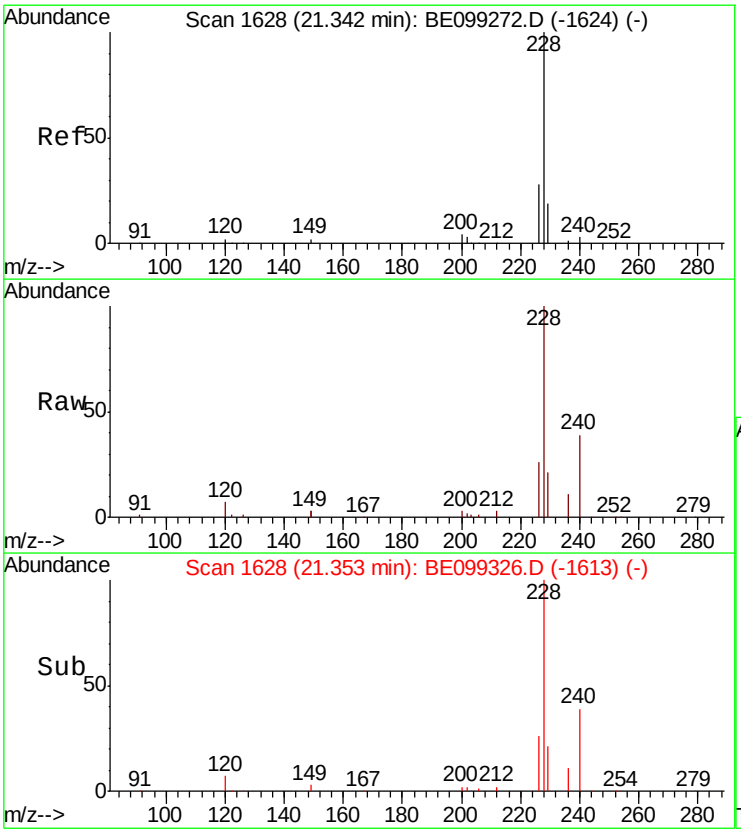
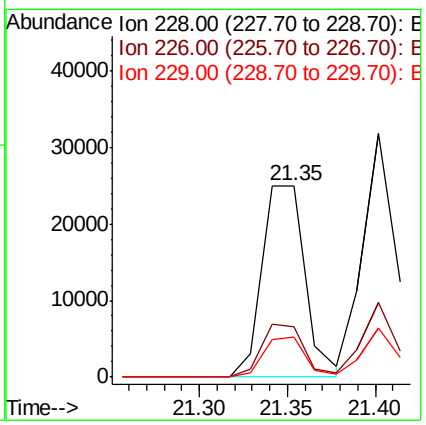
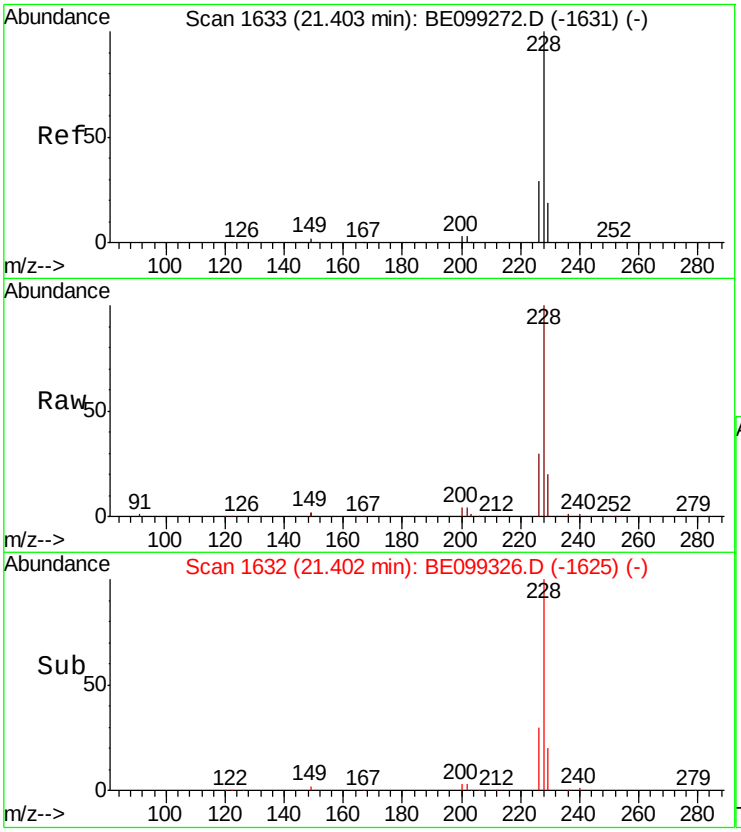


#30
Benzo(a)anthracene
Concen: 0.434 ng
RT: 21.35 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:228 Resp: 42209

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.7	32.5
229	21.2	15.9	23.9

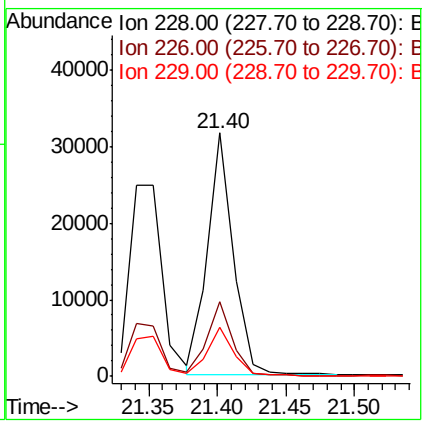




#31
Chrysene
Concen: 0.435 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:228 Resp: 41454

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.8	37.2
229	20.0	15.4	23.0



Instrument :
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ClientSampleId :
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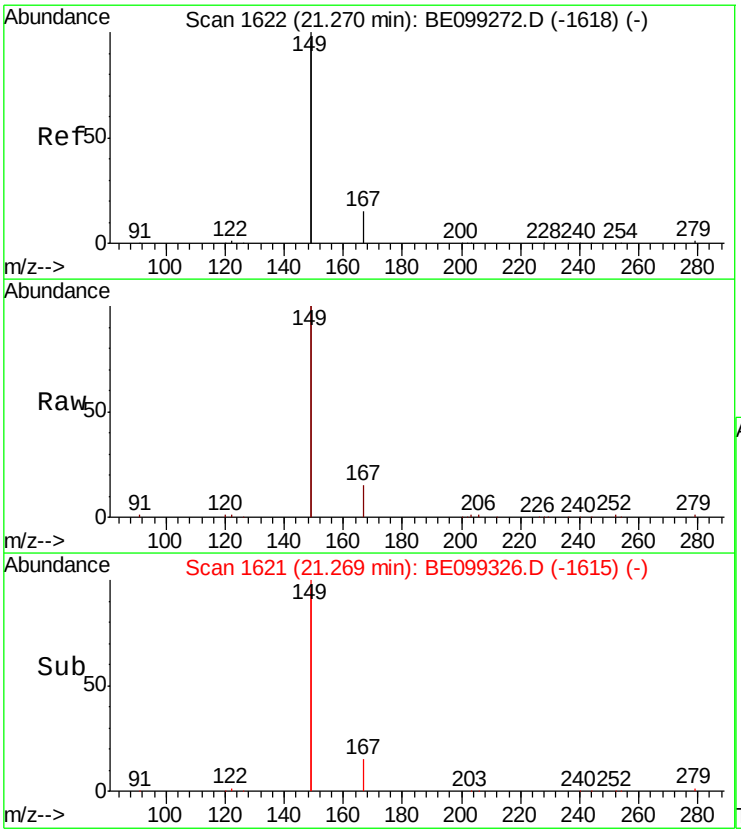
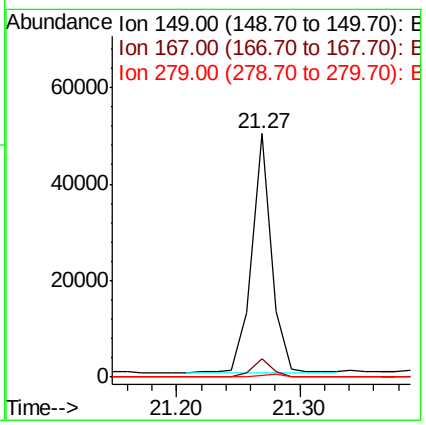
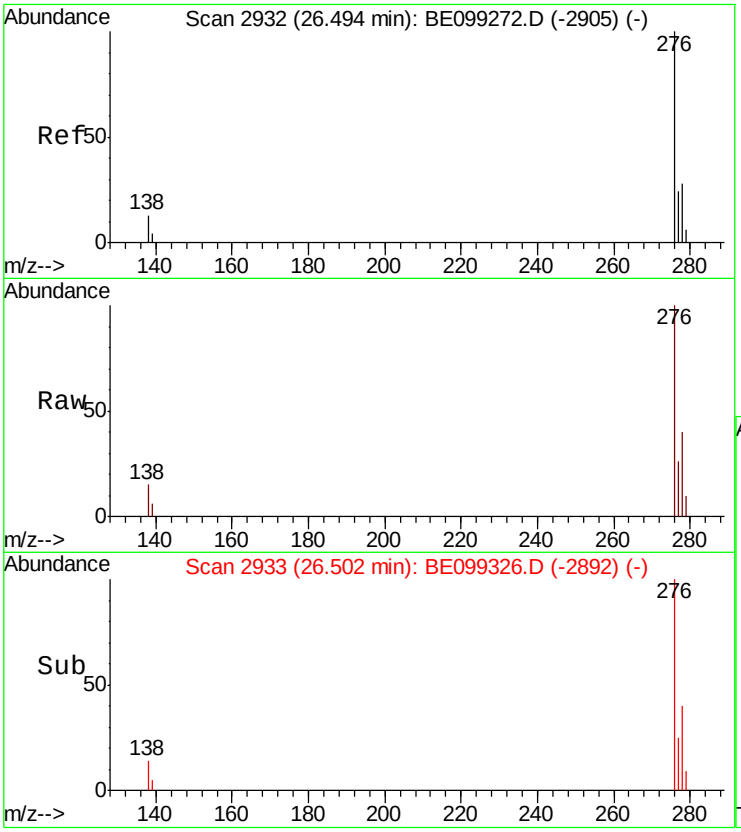


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.449 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:149 Resp: 55587

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

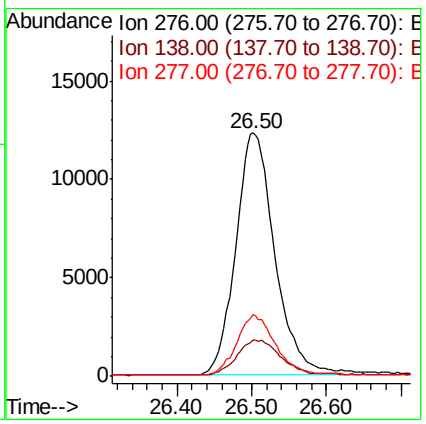




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.408 ng
RT: 26.50 min Scan# 2933
Delta R.T. -0.05 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:276 Resp: 44493

Ion	Ratio	Lower	Upper
276	100		
138	16.2	12.9	19.3
277	24.9	18.3	27.5



Instrument :
BNA_E
ClientSampleId :
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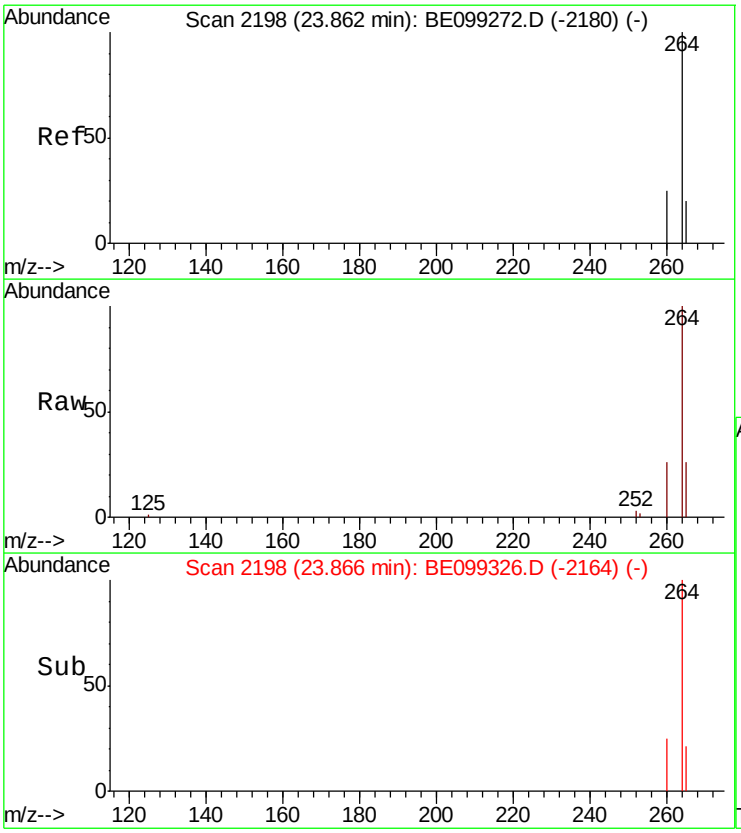
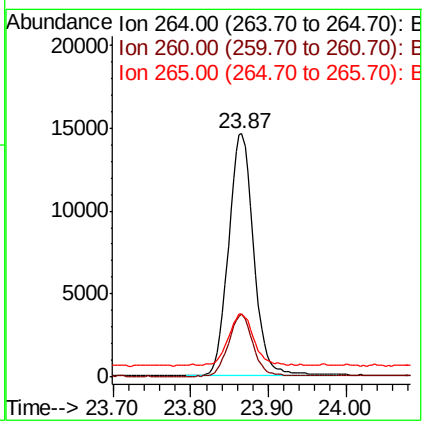
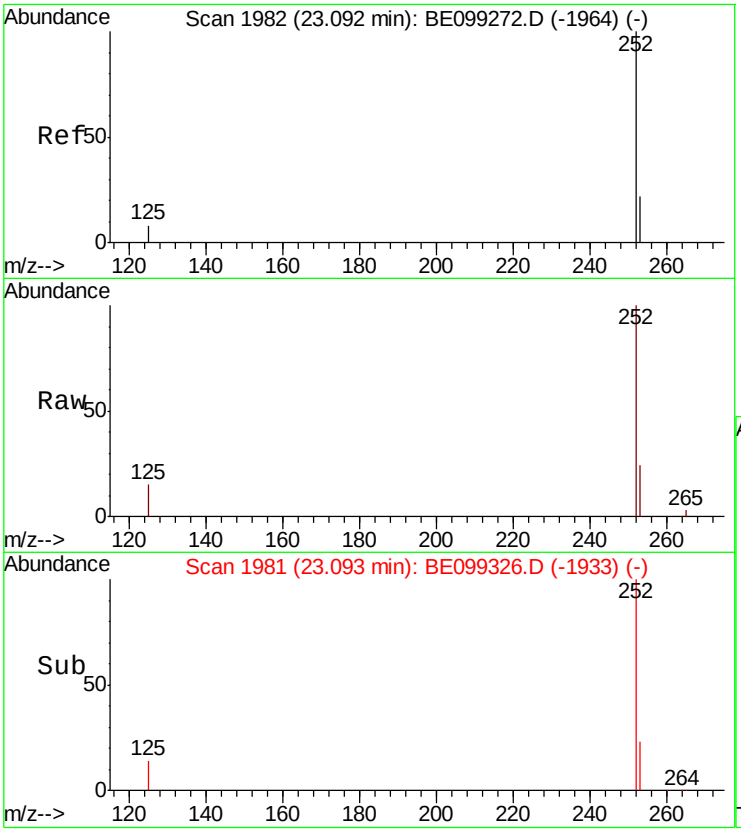


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2198
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:264 Resp: 32985

Ion	Ratio	Lower	Upper
264	100		
260	25.8	18.2	27.2
265	25.7	21.8	32.8





#35
Benzo(b)fluoranthene
Concen: 0.429 ng m
RT: 23.09 min Scan# 1981
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:252 Resp: 42265

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.8
125	14.9	6.1	9.1#

Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MS

Manual Integrations APPROVED
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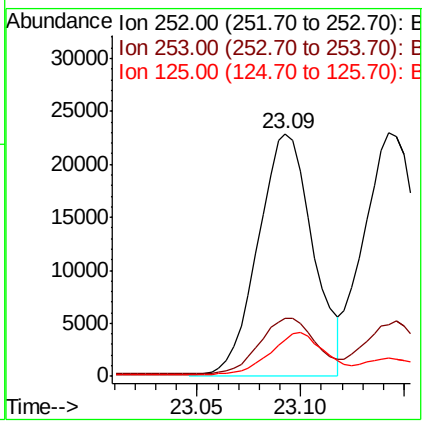
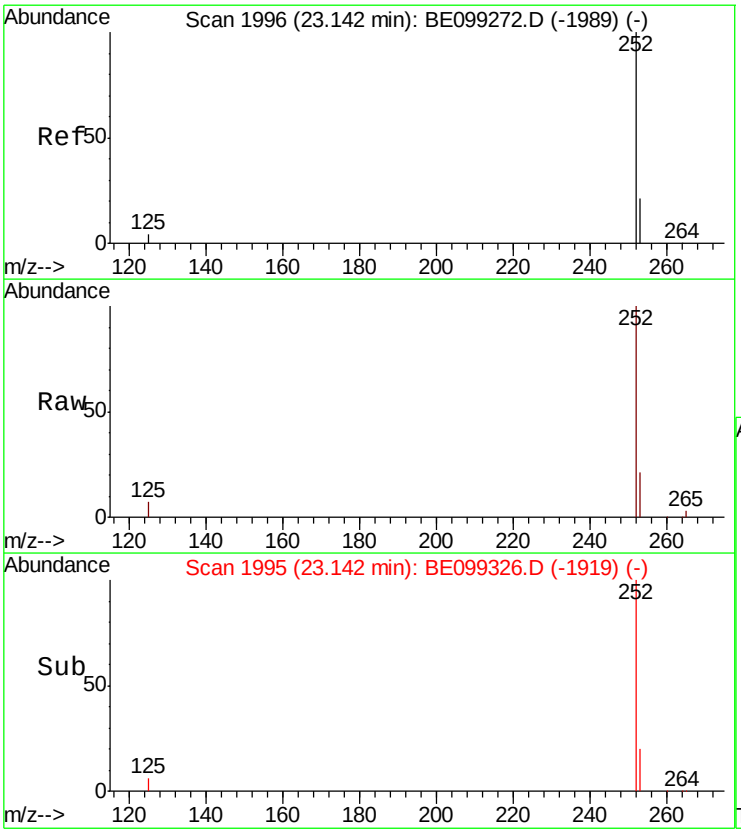
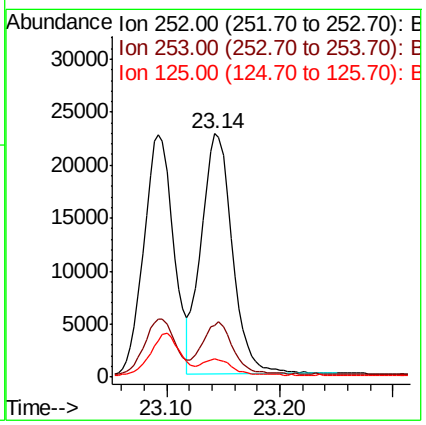


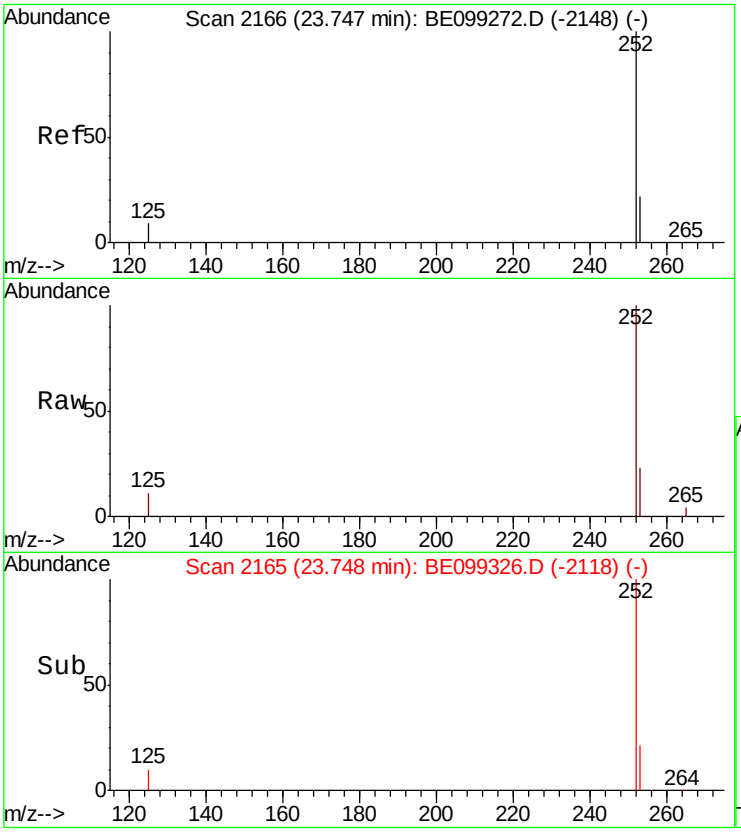


#36
Benzo(k)fluoranthene
Concen: 0.456 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:252 Resp: 43631

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.6
125	7.3	5.9	8.9





#37
Benzo(a)pyrene
Concen: 0.437 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:252 Resp: 40397

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.3	6.8	10.2#

Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MS

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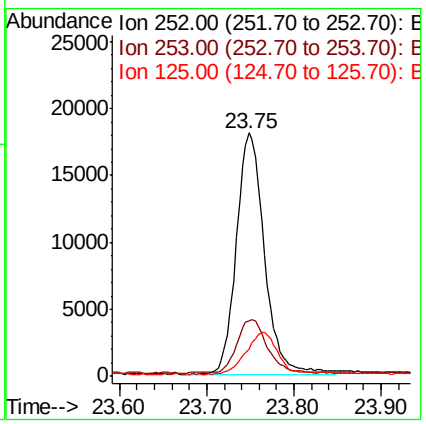
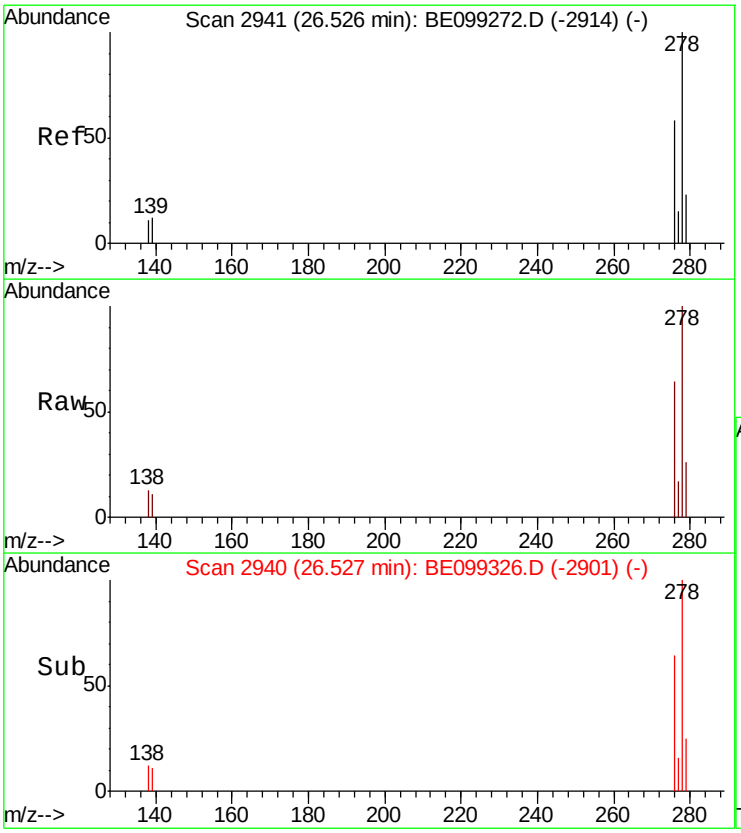
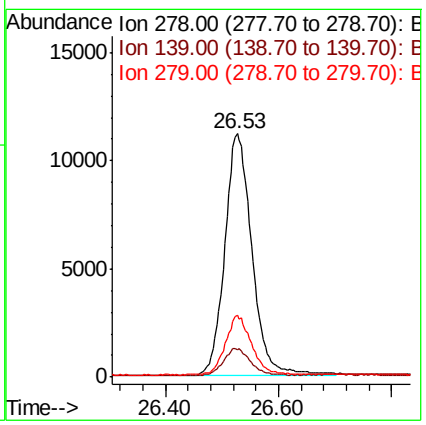


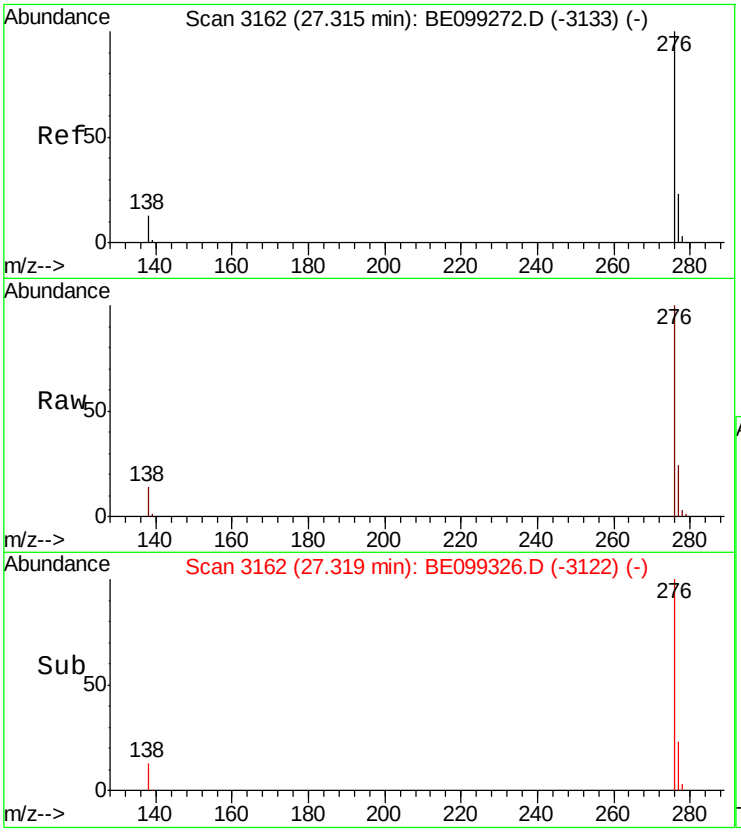


#38
Dibenzo(a,h)anthracene
Concen: 0.407 ng
RT: 26.53 min Scan# 2940
Delta R.T. -0.06 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:278 Resp: 37470

Ion	Ratio	Lower	Upper
278	100		
139	11.4	9.5	14.3
279	25.6	19.1	28.7

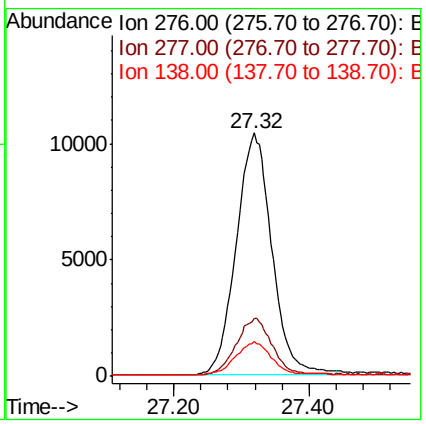




#39
Benzo(g,h,i)perylene
Concen: 0.415 ng
RT: 27.32 min Scan# 3162
Delta R.T. -0.06 min
Lab File: BE099326.D
Acq: 15 Apr 2019 15:10

Tgt Ion:276 Resp: 38098

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	14.1	11.1	16.7



Instrument :
BNA_E
ClientSampleId :
SA-PZ118I-20190409MS

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