Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
Data File : BE099537.D
Acq On : 3 May 2019 19:30
Operator : JU/SJ
Sample : K2587-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PST-003-B173-042319

Manual Integrations APPROVED
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5/7/2019 11:56:45 PM

Quant Time: May 04 01:57:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2487	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	10040	0.40	ng		0.00
13) Acenaphthene-d10	14.47	164	7694	0.40	ng		0.01
19) Phenanthrene-d10	17.20	188	21791	0.40	ng		0.01
27) Chrysene-d12	21.38	240	25614	0.40	ng		0.01
34) Perylene-d12	23.89	264	30038	0.40	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	2680	0.39	ng		0.00
5) Phenol-d6	6.98	99	3809	0.42	ng		0.00
8) Nitrobenzene-d5	8.96	82	3370	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	12.21	152	6243	0.35	ng		0.01
14) 2,4,6-Tribromophenol	15.94	330	1988	0.41	ng		0.00
15) 2-Fluorobiphenyl	13.09	172	9344	0.32	ng		0.00
25) Fluoranthene-d10	19.23	212	78590	0.27	ng		0.01
29) Terphenyl-d14	19.82	244	16292	0.35	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.65	128	9181	0.084	ng	#	97
12) 2-Methylnaphthalene	12.28	142	1443	0.076	ng		91
16) Acenaphthylene	14.18	152	8219	0.218	ng		98
17) Acenaphthene	14.53	154	1974	0.092	ng		94
18) Fluorene	15.50	166	4083	0.129	ng	#	90
23) Phenanthrene	17.24	178	96987	1.725	ng		99
24) Anthracene	17.34	178	11713	0.219	ng	#	95
26) Fluoranthene	19.26	202	203725	2.419	ng		99
28) Pyrene	19.62	202	208849	3.128	ng	#	96
30) Benzo(a)anthracene	21.35	228	111428	1.365	ng		94
31) Chrysene	21.41	228	132780m	1.663	ng		
32) Bis(2-ethylhexyl)phthalate	21.27	149	24433	0.140	ng	#	98
33) Indeno(1,2,3-cd)pyrene	26.55	276	62292	0.660	ng	#	95
35) Benzo(b)fluoranthene	23.11	252	142439	1.645	ng	#	94
36) Benzo(k)fluoranthene	23.16	252	56832m	0.680	ng		
37) Benzo(a)pyrene	23.77	252	100969	1.233	ng	#	95
38) Dibenzo(a,h)anthracene	26.56	278	14706	0.176	ng	#	55
39) Benzo(g,h,i)perylene	27.37	276	60355	0.719	ng	#	90

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

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ClientSampleId :
PST-003-B173-042319

Manual Integrations APPROVED
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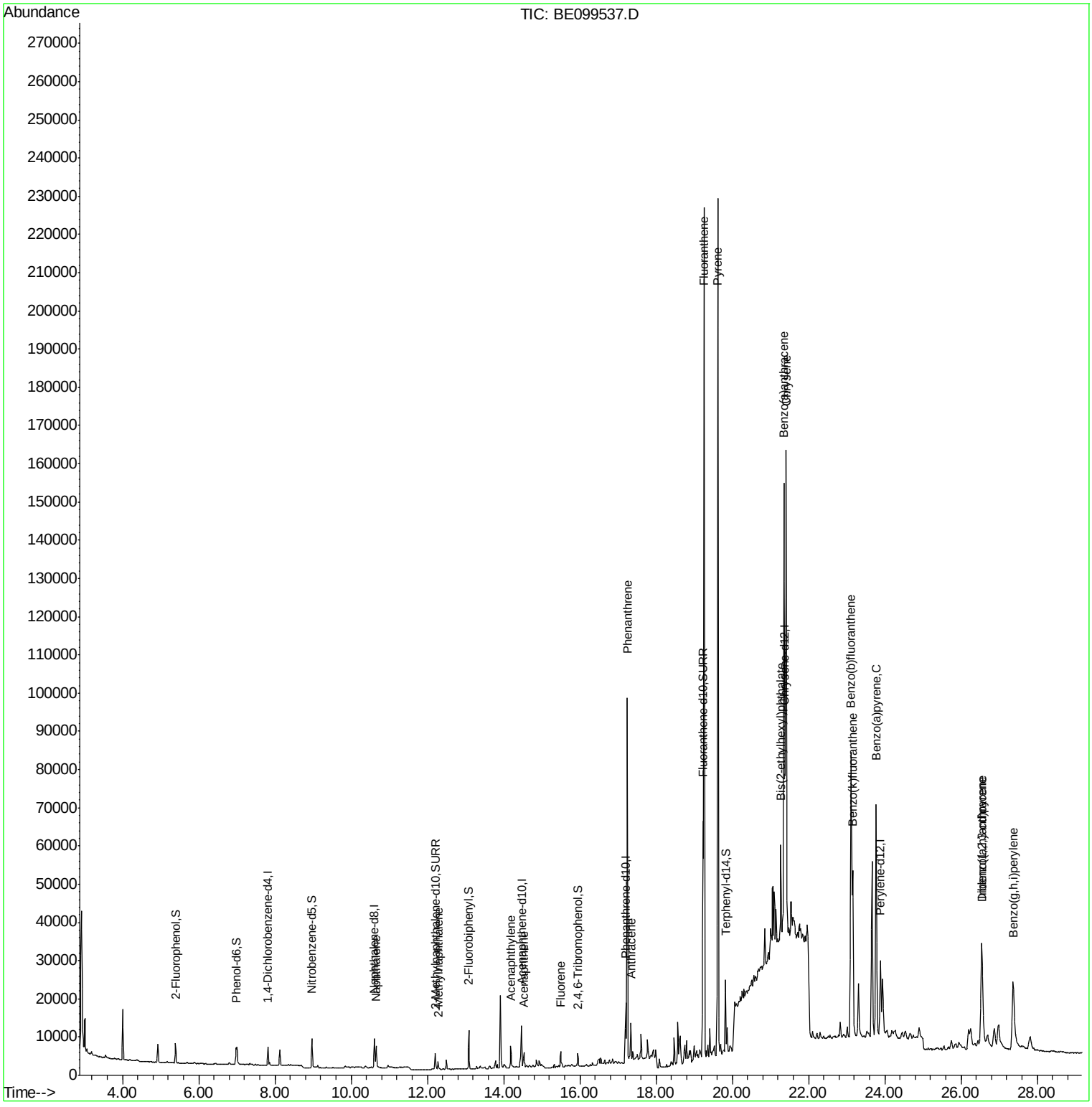
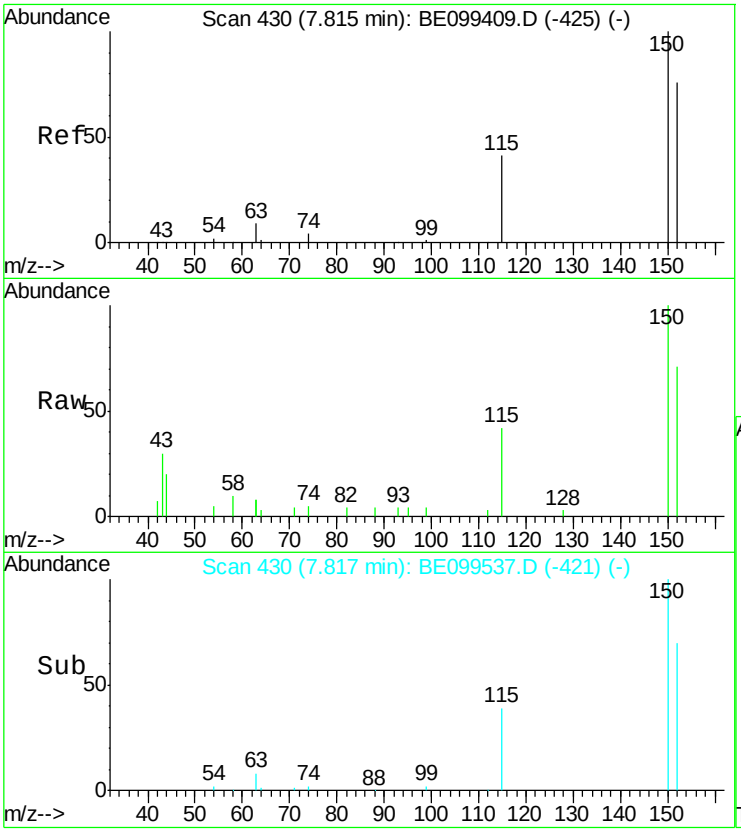
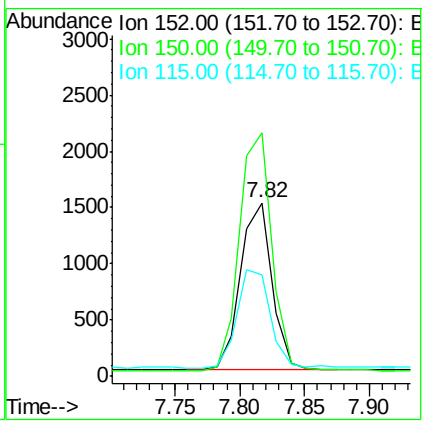




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:152 Resp: 2487

Ion	Ratio	Lower	Upper
152	100		
150	140.5	104.8	157.2
115	58.5	46.6	69.8



Instrument :
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ClientSampleId :
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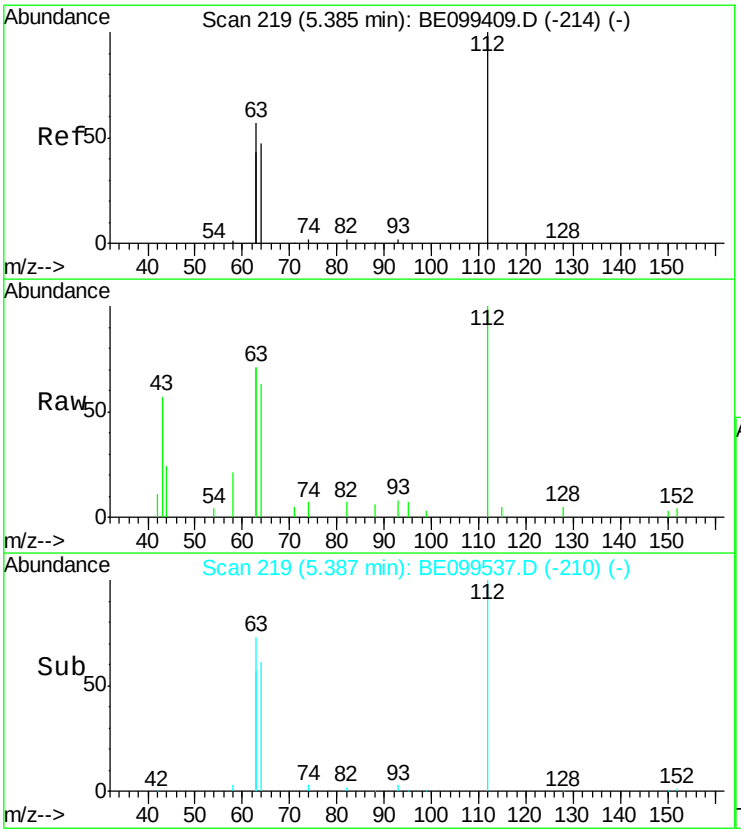
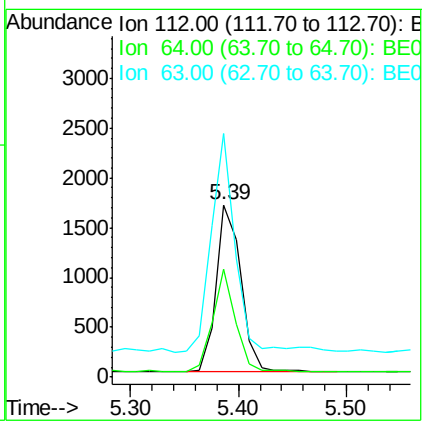
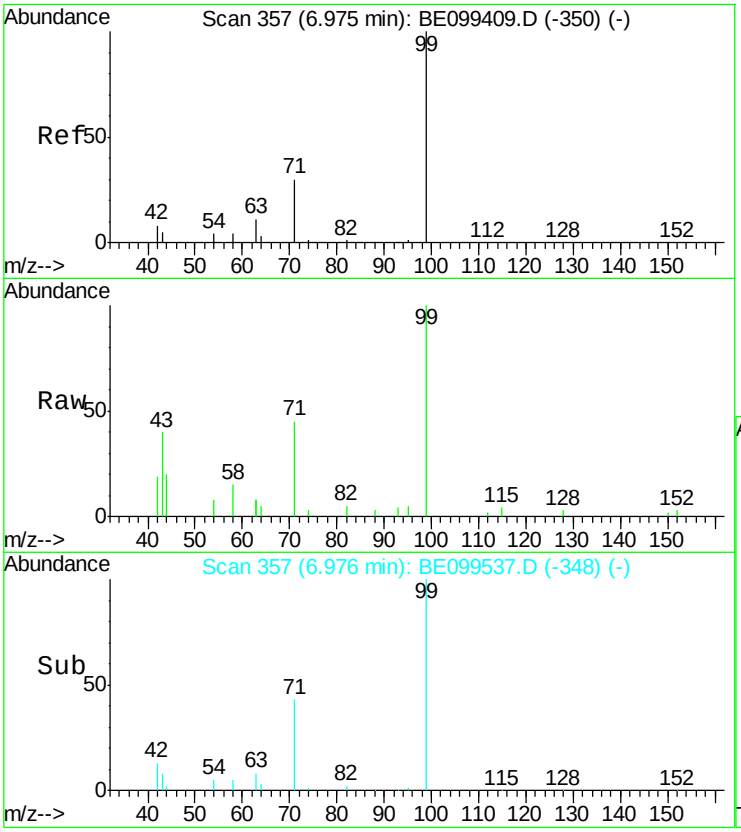


#4
2-Fluorophenol
Concen: 0.390 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:112 Resp: 2680

Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.4	71.0
63	125.9	104.3	156.5

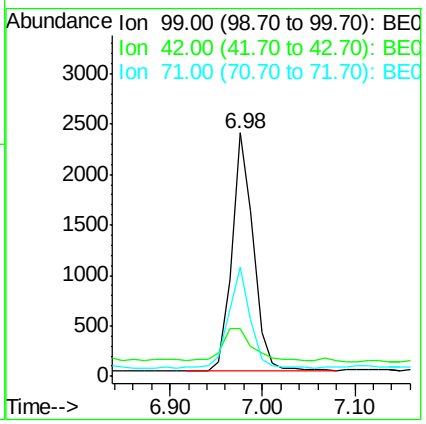




#5
Phenol-d6
Concen: 0.416 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion: 99 Resp: 3809

Ion	Ratio	Lower	Upper
99	100		
42	18.8	14.9	22.3
71	42.5	33.0	49.6



Instrument :
BNA_E
ClientSampleId :
PST-003-B173-042319

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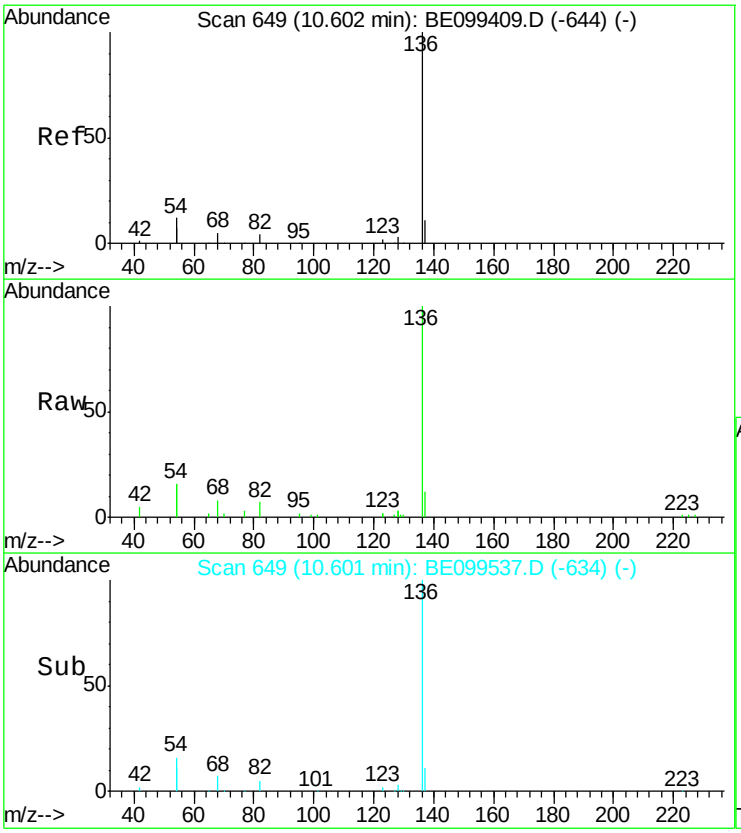
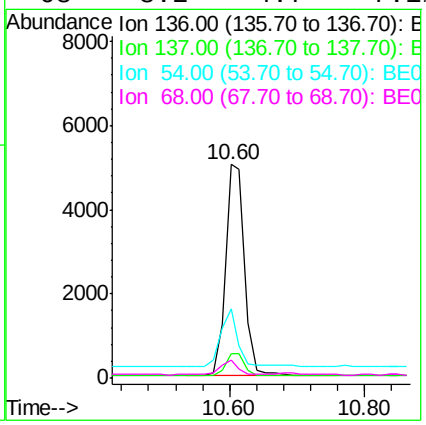
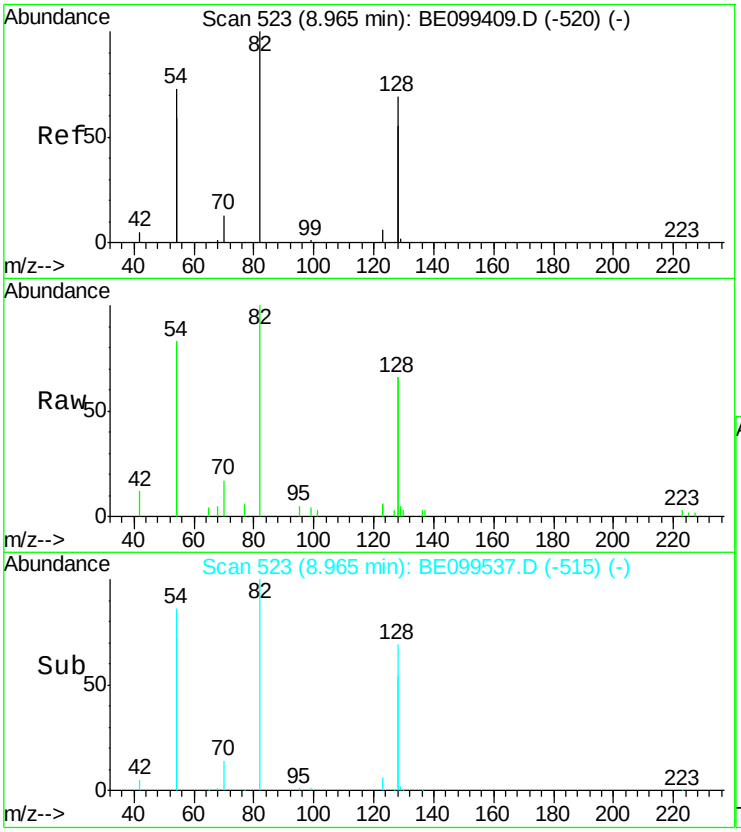


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:136 Resp: 10040

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.8	14.8
54	32.6	18.5	27.7#
68	8.2	4.7	7.1#

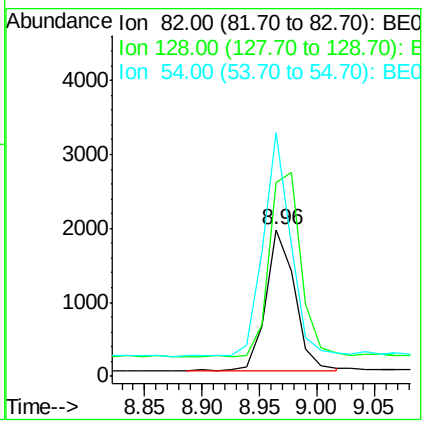




#8
Nitrobenzene-d5
Concen: 0.358 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion: 82 Resp: 3370

Ion	Ratio	Lower	Upper
82	100		
128	131.9	107.0	160.4
54	166.0	113.1	169.7



Instrument :
BNA_E
ClientSampleId :
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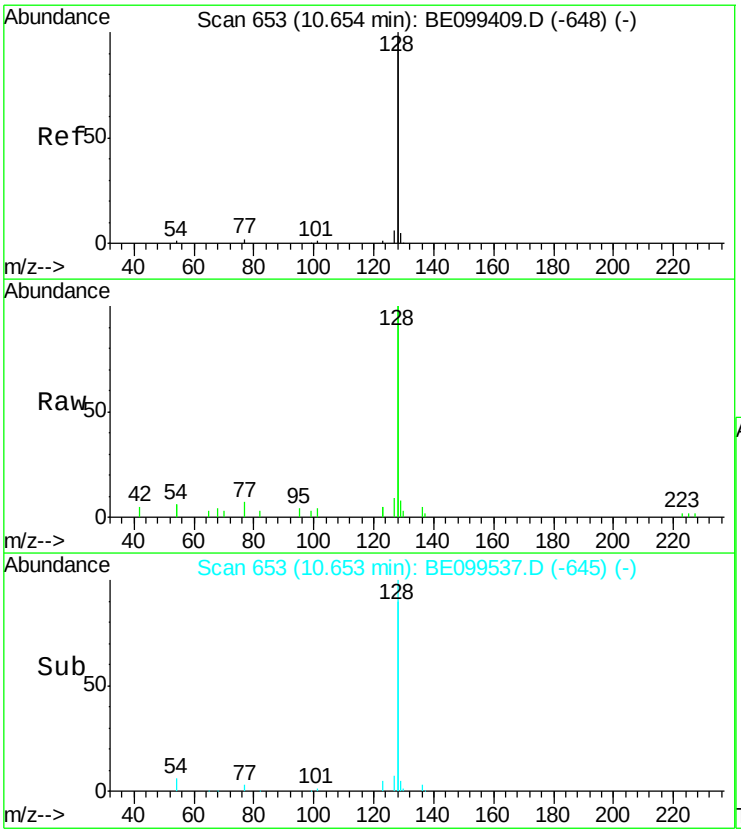
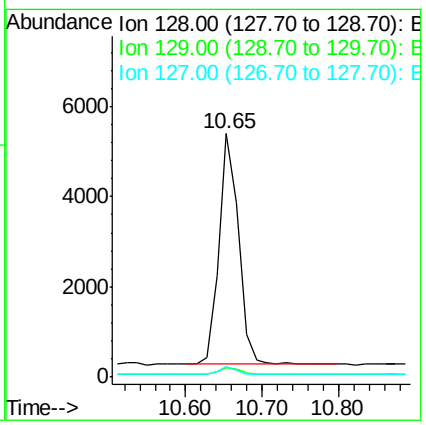
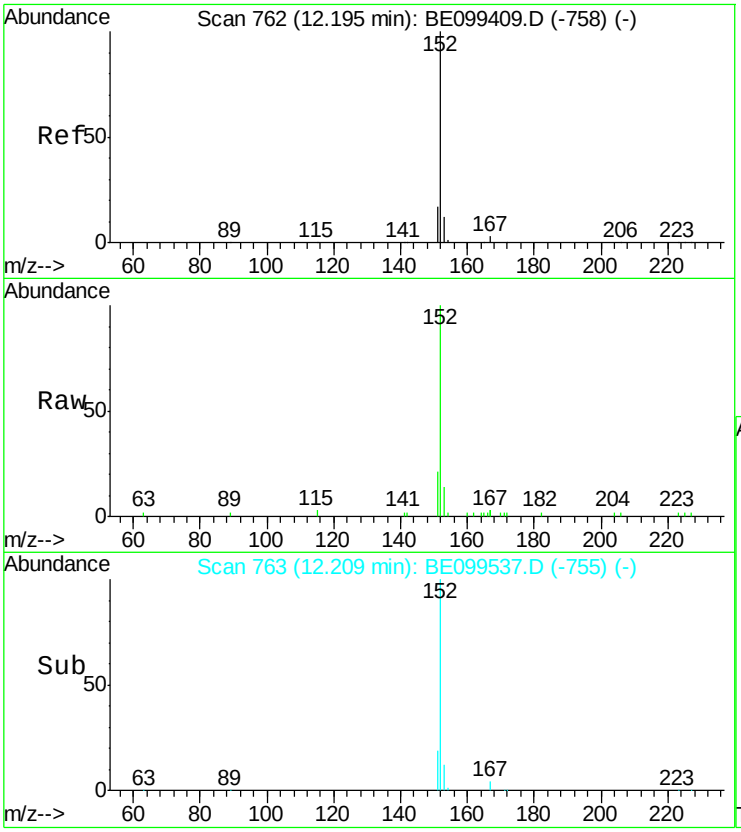


#9
Naphthalene
Concen: 0.084 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:128 Resp: 9181

Ion	Ratio	Lower	Upper
128	100		
129	3.9	2.4	3.6#
127	4.5	2.8	4.2#

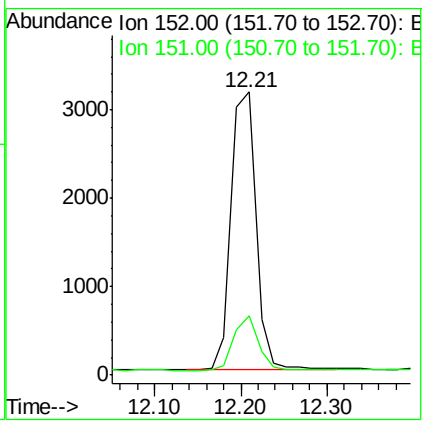




#11
2-Methylnaphthalene-d10
Concen: 0.345 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:152 Resp: 6243

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3



Instrument :
BNA_E
ClientSampleId :
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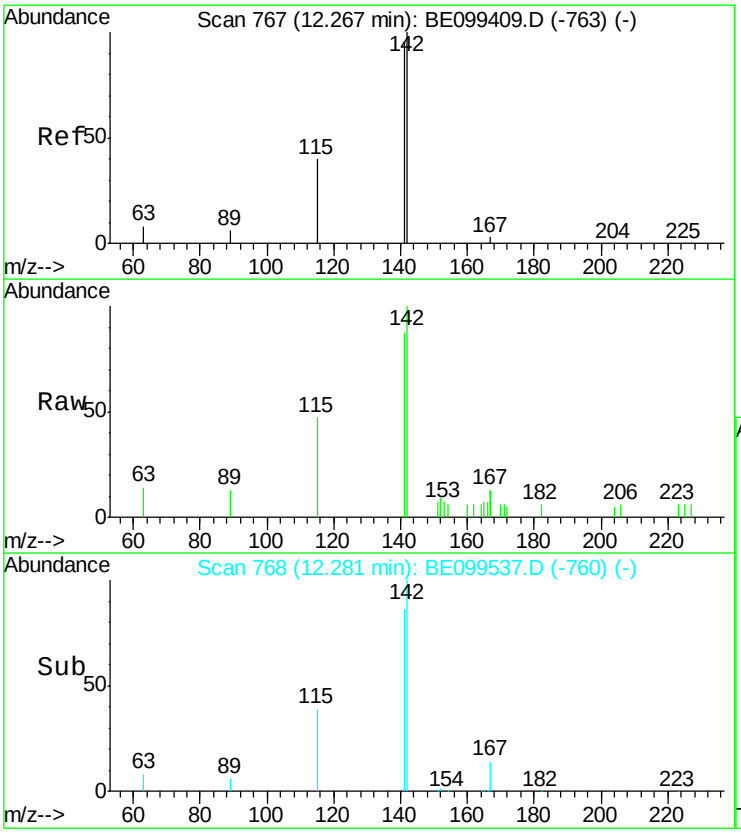
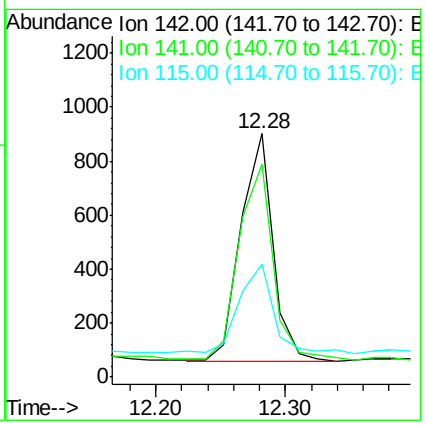
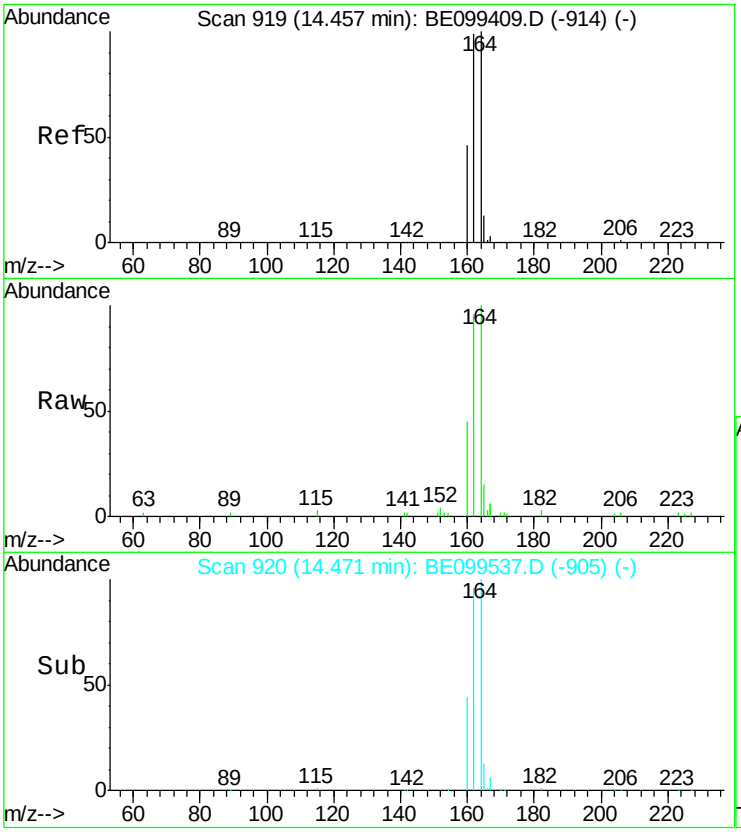


#12
2-Methylnaphthalene
Concen: 0.076 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:142 Resp: 1443

Ion	Ratio	Lower	Upper
142	100		
141	87.5	77.0	115.4
115	46.7	33.4	50.0

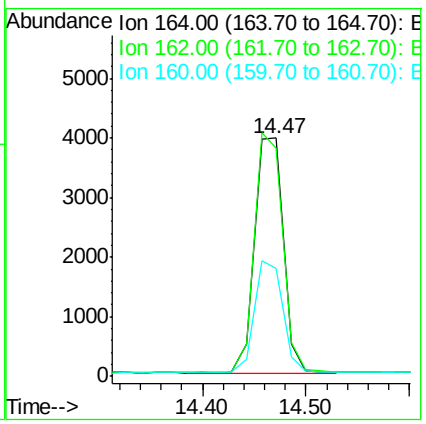




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:164 Resp: 7694

Ion	Ratio	Lower	Upper
164	100		
162	95.7	79.0	118.4
160	45.2	37.0	55.4



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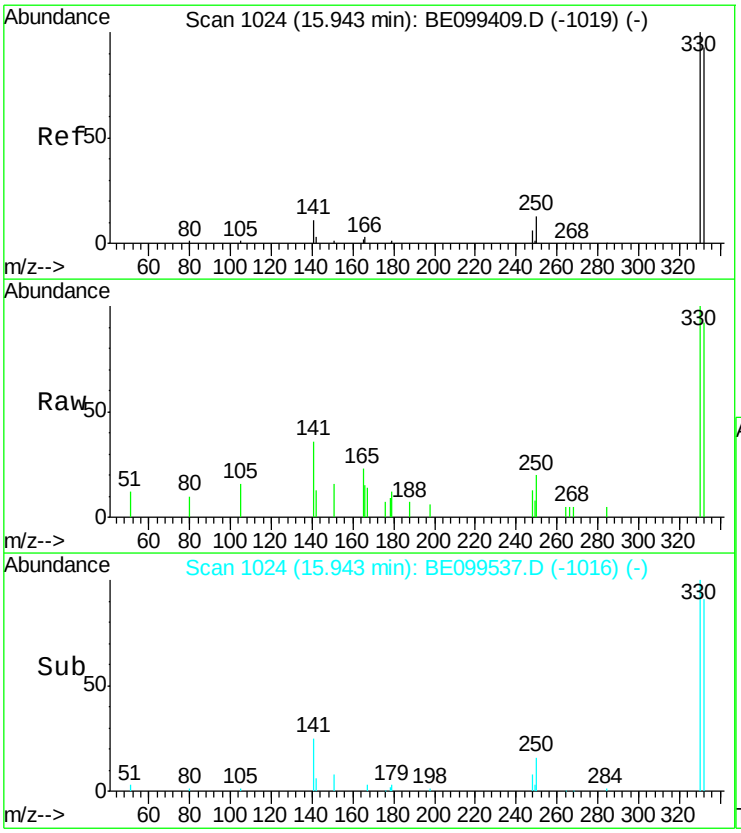
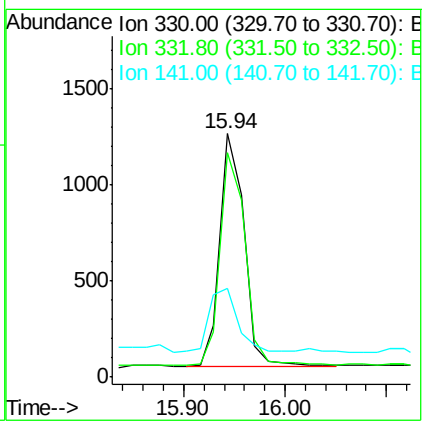
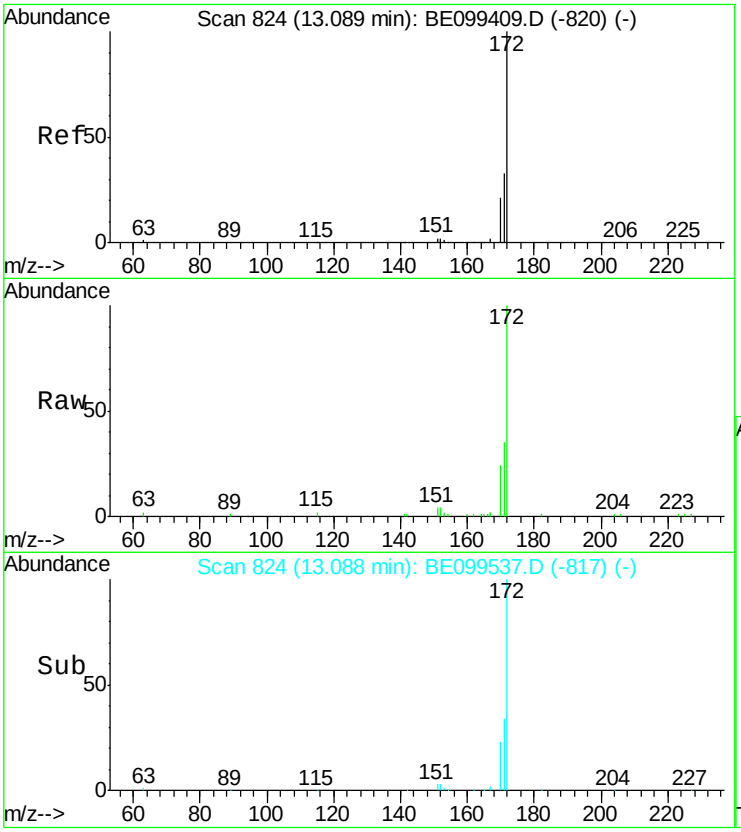


#14
2,4,6-Tribromophenol
Concen: 0.410 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:330 Resp: 1988

Ion	Ratio	Lower	Upper
330	100		
332	95.5	71.5	107.3
141	32.6	24.0	36.0

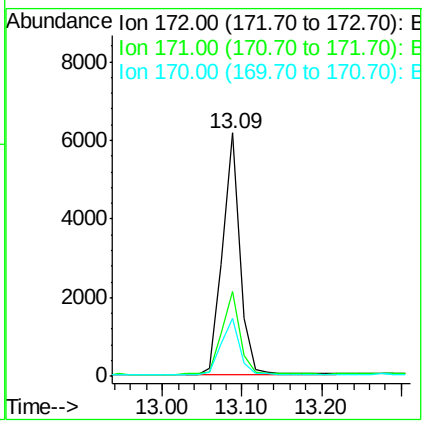




#15
2-Fluorobiphenyl
Concen: 0.318 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:172 Resp: 9344

Ion	Ratio	Lower	Upper
172	100		
171	34.9	26.6	39.8
170	23.8	17.0	25.6



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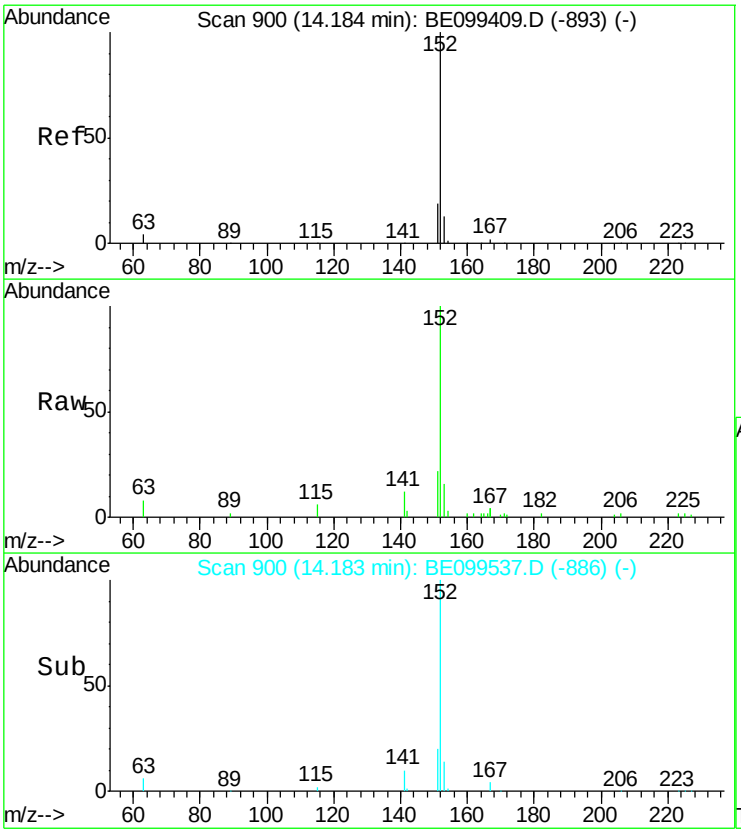
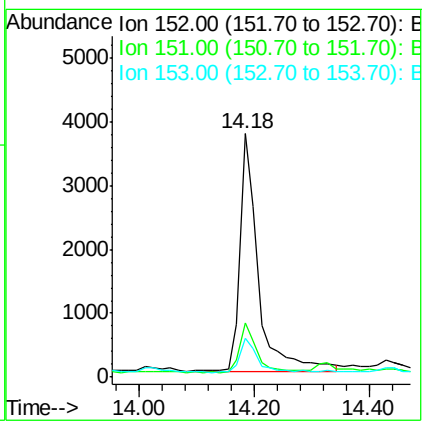
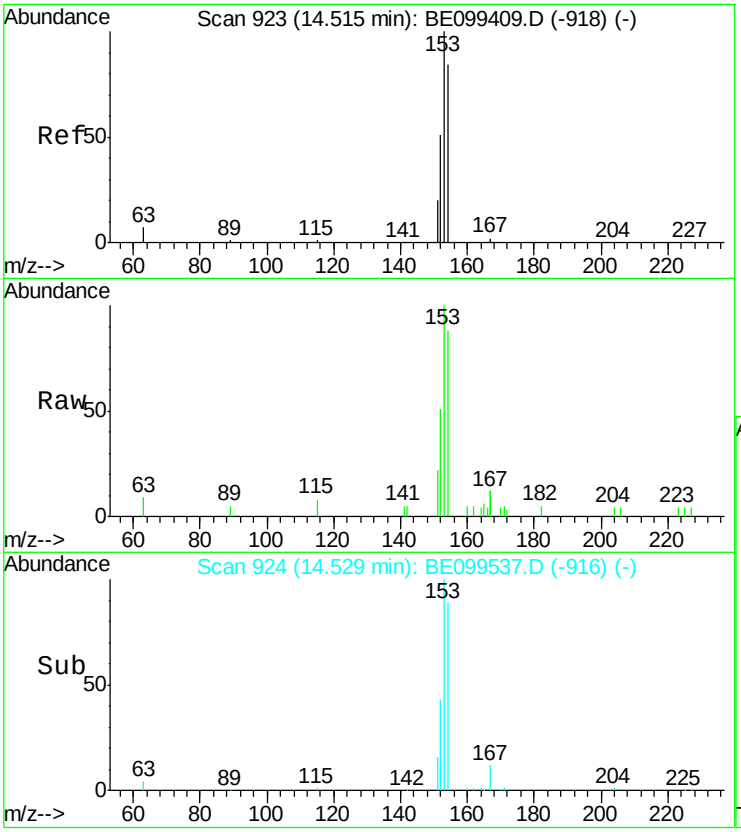


#16
Acenaphthylene
Concen: 0.218 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:152 Resp: 8219

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2
153	14.0	9.8	14.6

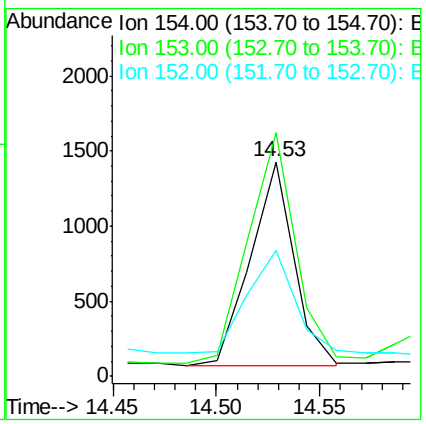




#17
Acenaphthene
Concen: 0.092 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:154 Resp: 1974

Ion	Ratio	Lower	Upper
154	100		
153	124.6	92.6	138.8
152	55.2	45.8	68.8



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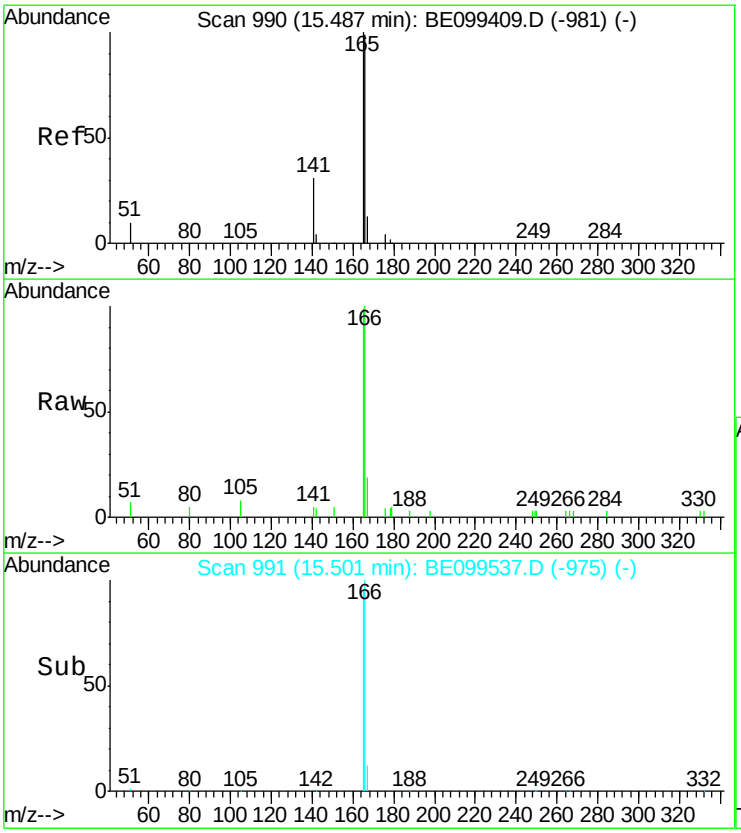
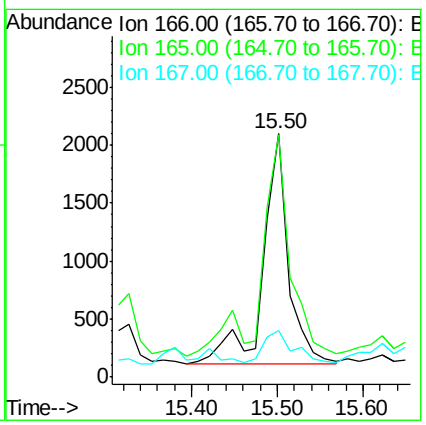
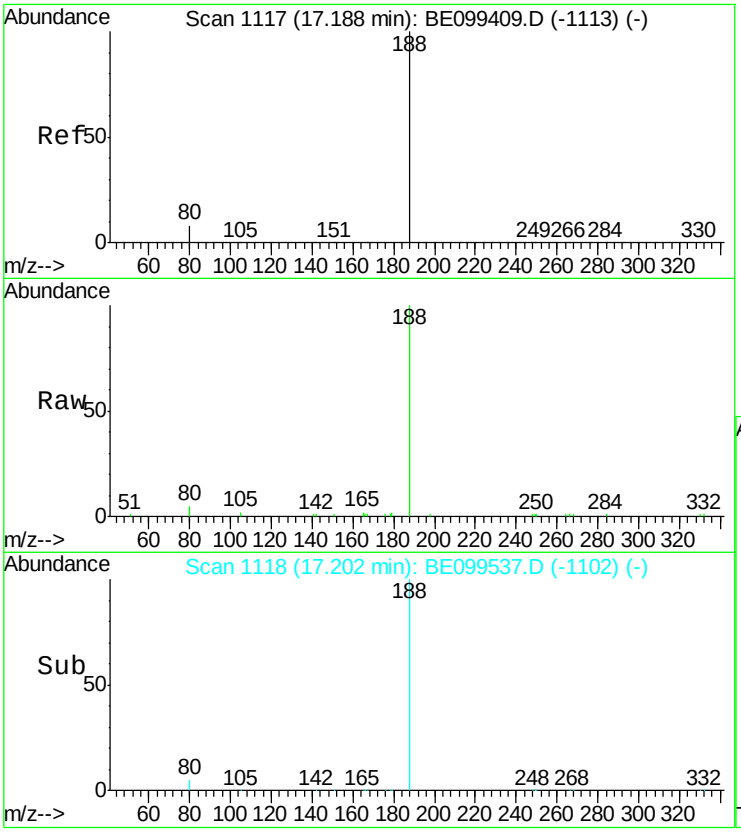


#18
Fluorene
Concen: 0.129 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:166 Resp: 4083

Ion	Ratio	Lower	Upper
166	100		
165	110.3	80.3	120.5
167	16.3	10.7	16.1#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:188 Resp: 21791

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.4	6.7	10.1#

Instrument :
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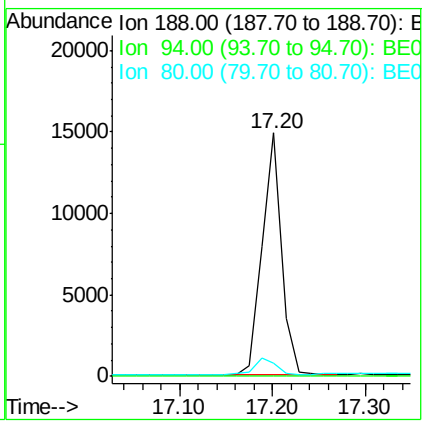
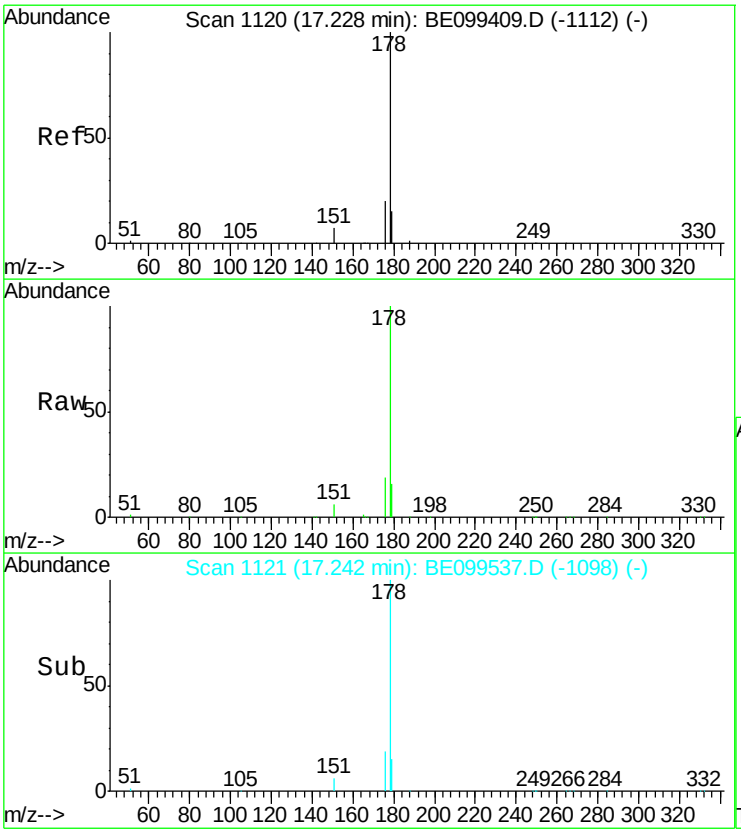
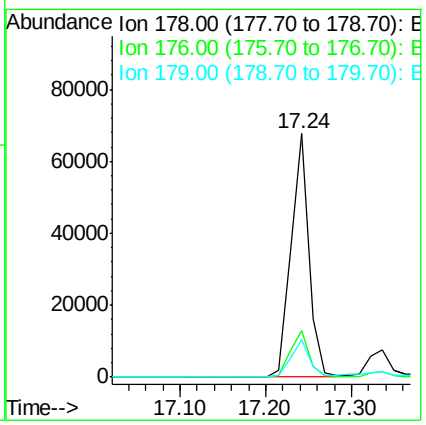


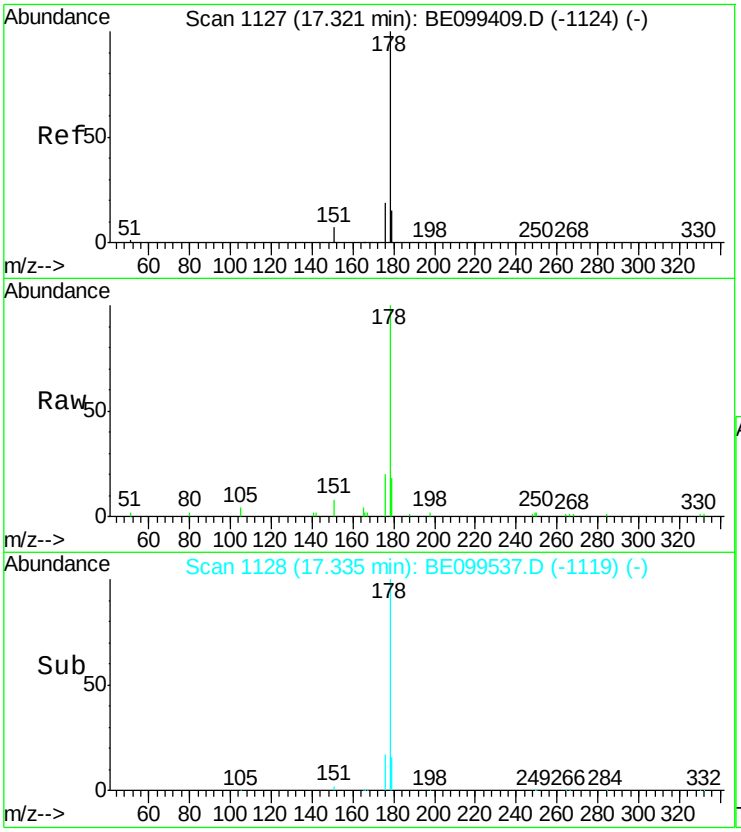


#23
Phenanthrene
Concen: 1.725 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:178 Resp: 96987

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.6	23.4
179	15.5	12.0	18.0





#24
Anthracene
Concen: 0.219 ng
RT: 17.34 min Scan# 1128
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:178 Resp: 11713

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	19.7	11.9	17.9#

Instrument :
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ClientSampleId :
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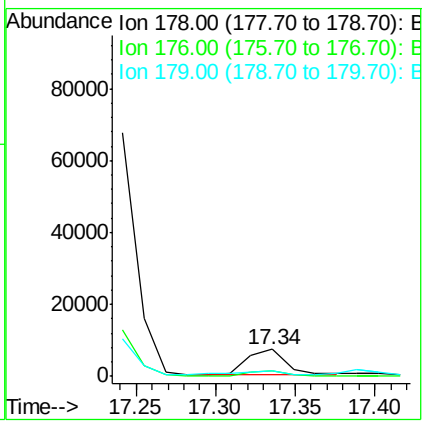
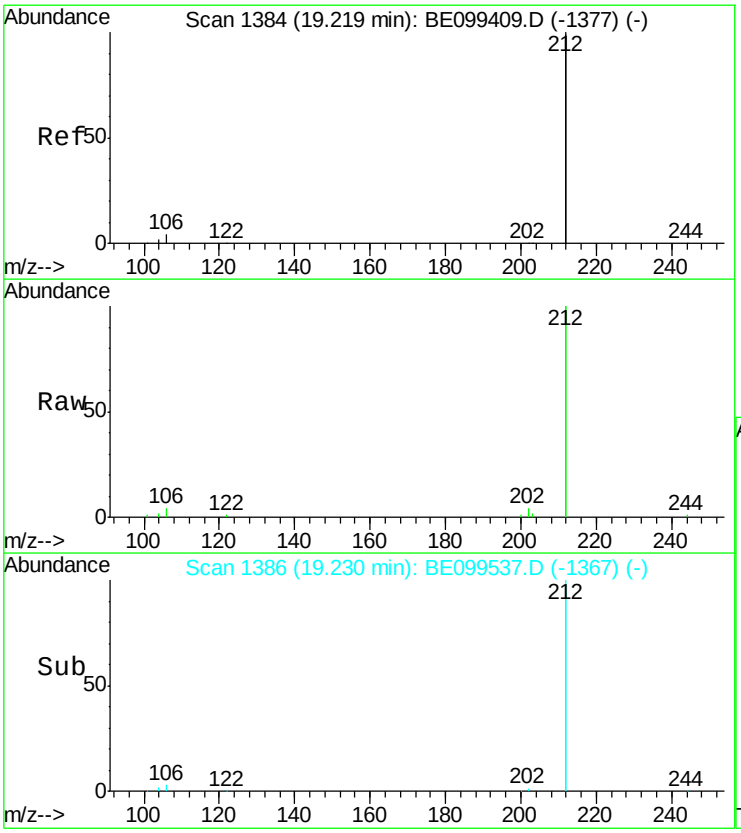
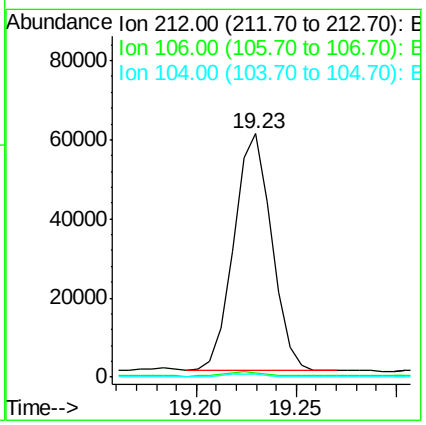


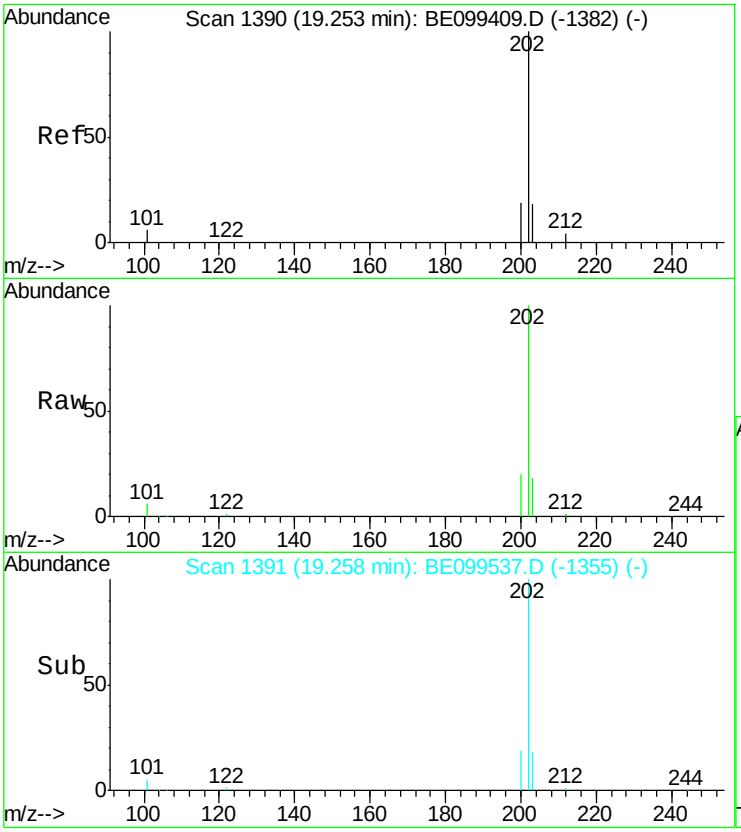


#25
Fluoranthene-d10
Concen: 0.268 ng
RT: 19.23 min Scan# 1386
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:212 Resp: 78590

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.5	2.3
104	1.0	0.9	1.3

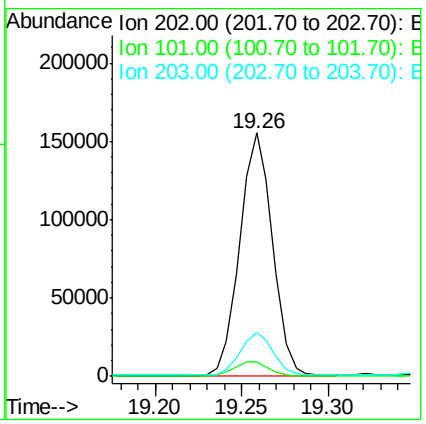




#26
Fluoranthene
Concen: 2.419 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:202 Resp: 203725

Ion	Ratio	Lower	Upper
202	100		
101	6.0	5.4	8.0
203	17.6	13.9	20.9



Instrument :
BNA_E
ClientSampleId :
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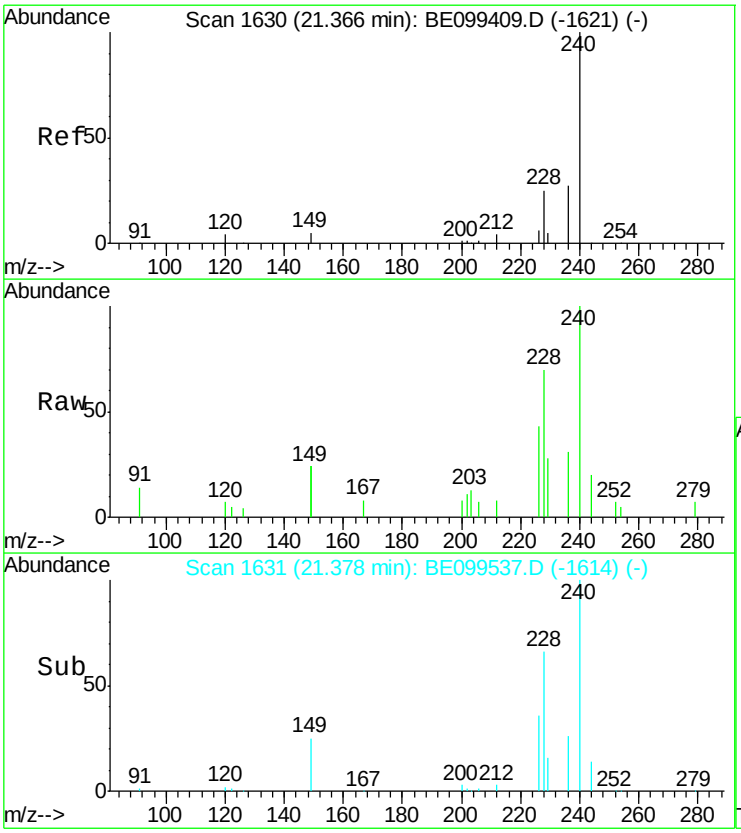
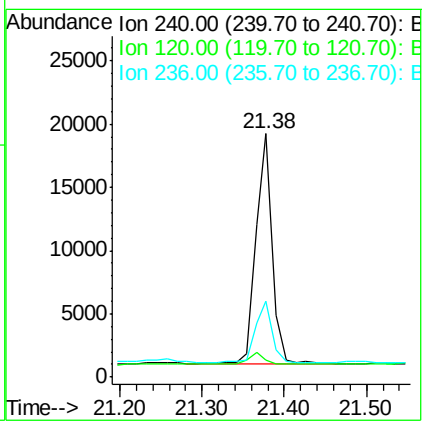
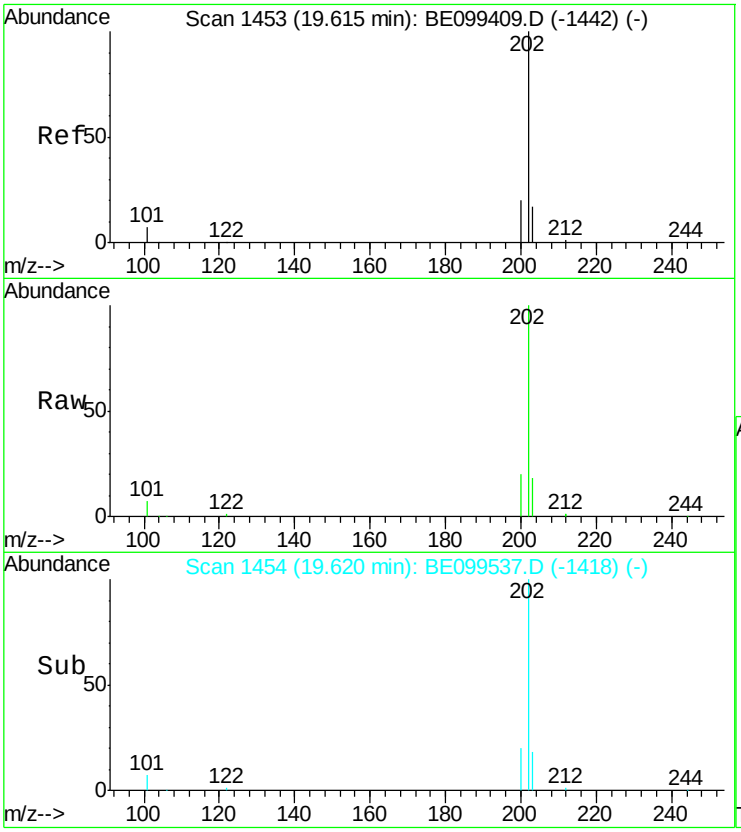


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:240 Resp: 25614

Ion	Ratio	Lower	Upper
240	100		
120	7.1	4.0	6.0#
236	31.2	22.0	33.0





#28
Pyrene
Concen: 3.128 ng
RT: 19.62 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:202 Resp: 208849

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	21.0	13.9	20.9#

Instrument :
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ClientSampleId :
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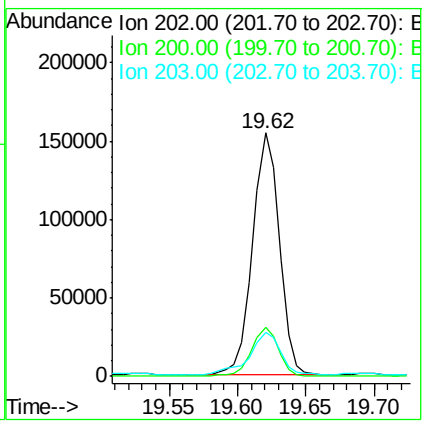
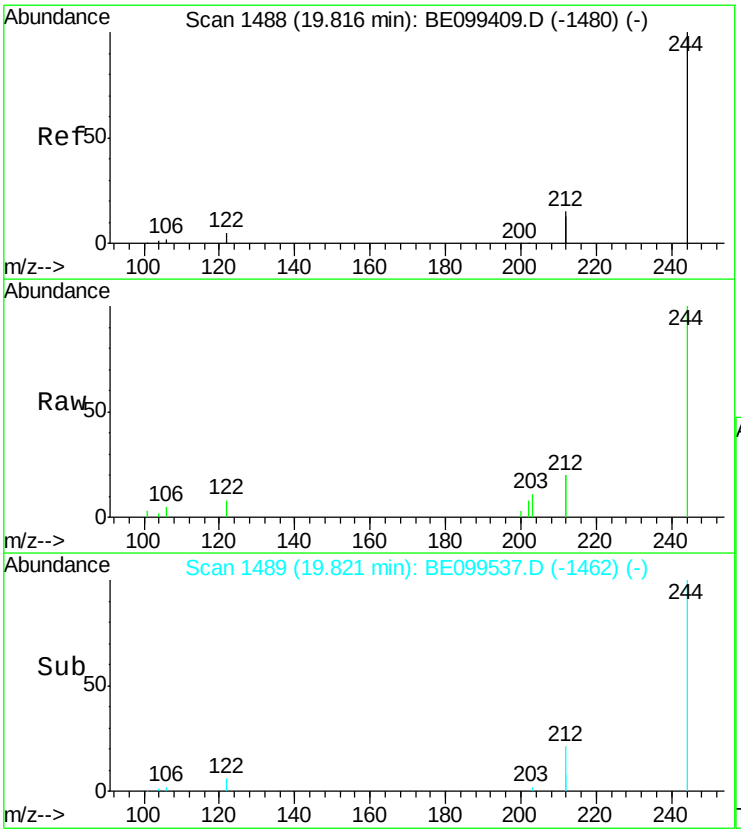
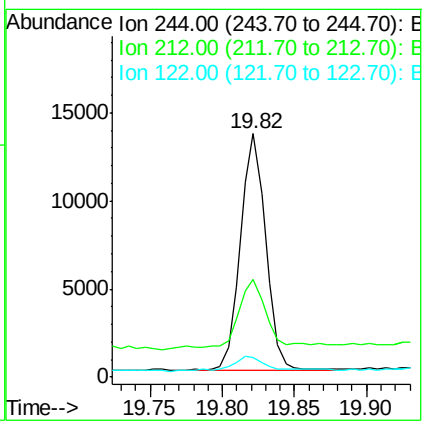


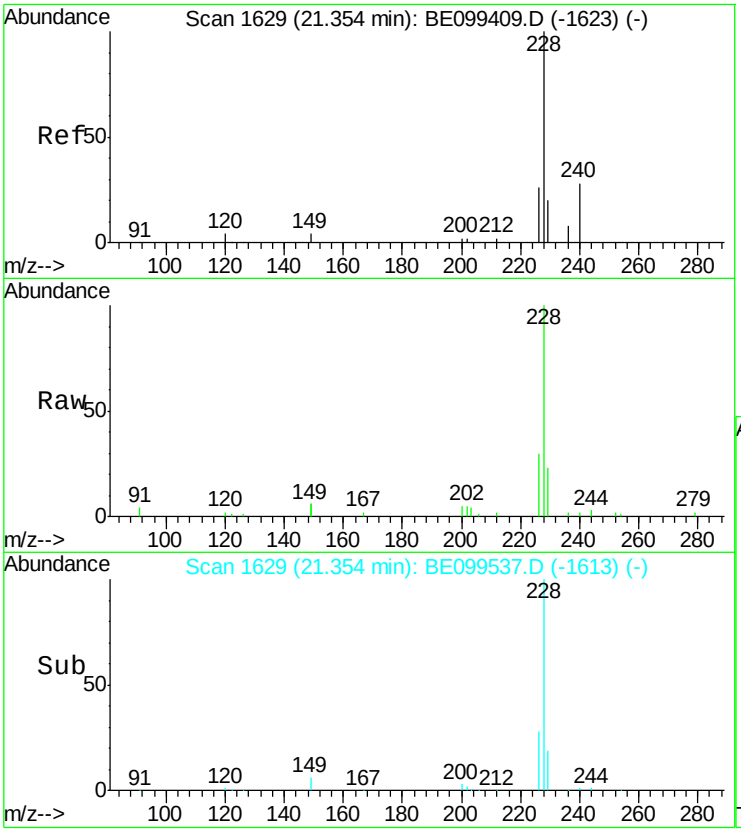


#29
Terphenyl-d14
Concen: 0.347 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:244 Resp: 16292

Ion	Ratio	Lower	Upper
244	100		
212	40.3	23.2	34.8#
122	8.0	4.2	6.4#

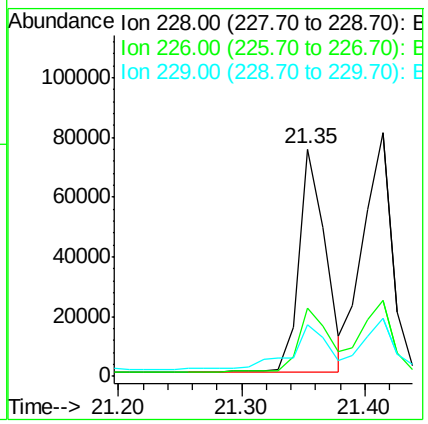




#30
Benzo(a)anthracene
Concen: 1.365 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:228 Resp: 111428

Ion	Ratio	Lower	Upper
228	100		
226	30.3	21.0	31.6
229	22.7	16.6	25.0



Instrument :
BNA_E
ClientSampleId :
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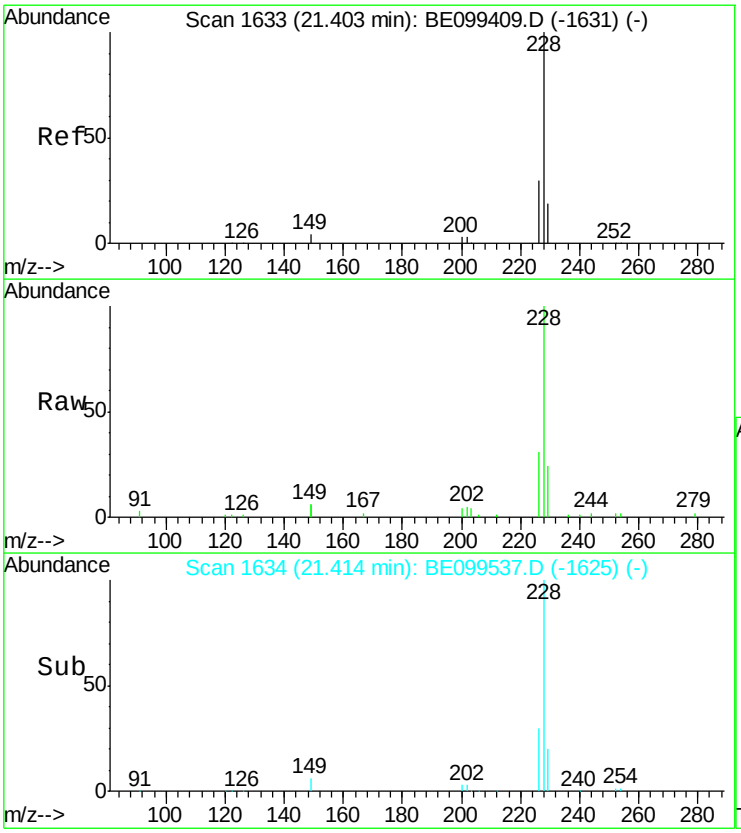
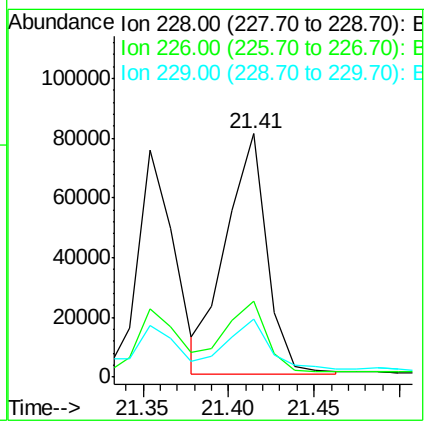
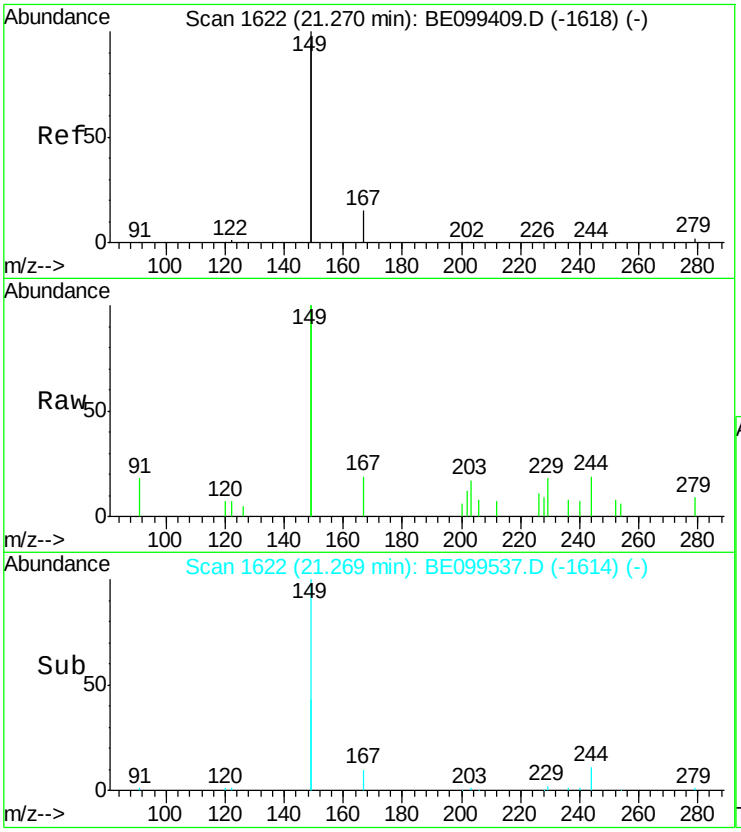


#31
Chrysene
Concen: 1.663 ng m
RT: 21.41 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:228 Resp: 132780

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.0	36.0
229	23.9	15.8	23.8#





#32
Bis(2-ethylhexyl)phthalate
Concen: 0.140 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:149 Resp: 24433

Ion	Ratio	Lower	Upper
149	100		
167	7.9	5.8	8.6
279	1.8	1.0	1.6#

Instrument :
BNA_E
ClientSampleId :
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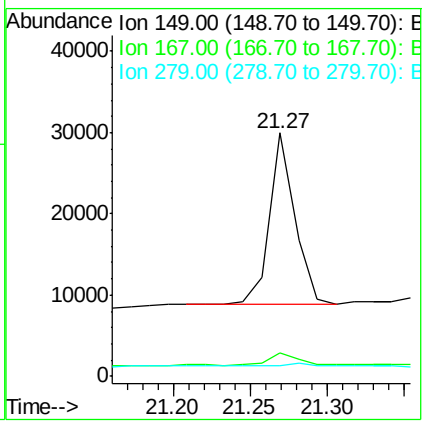
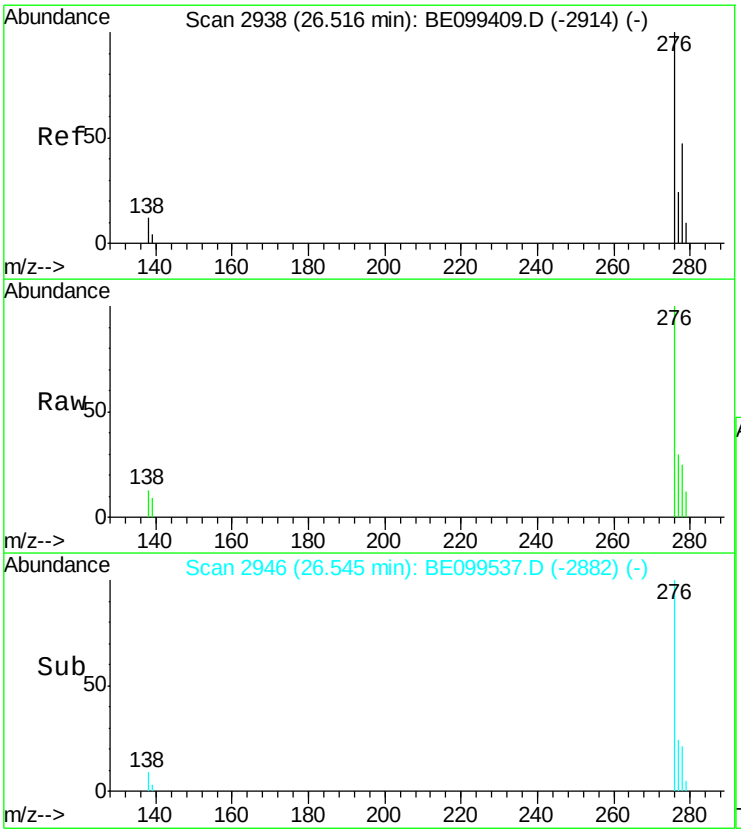
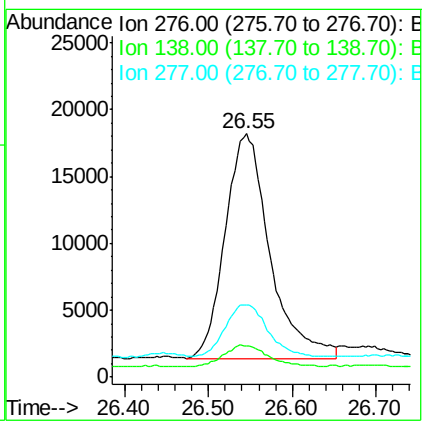


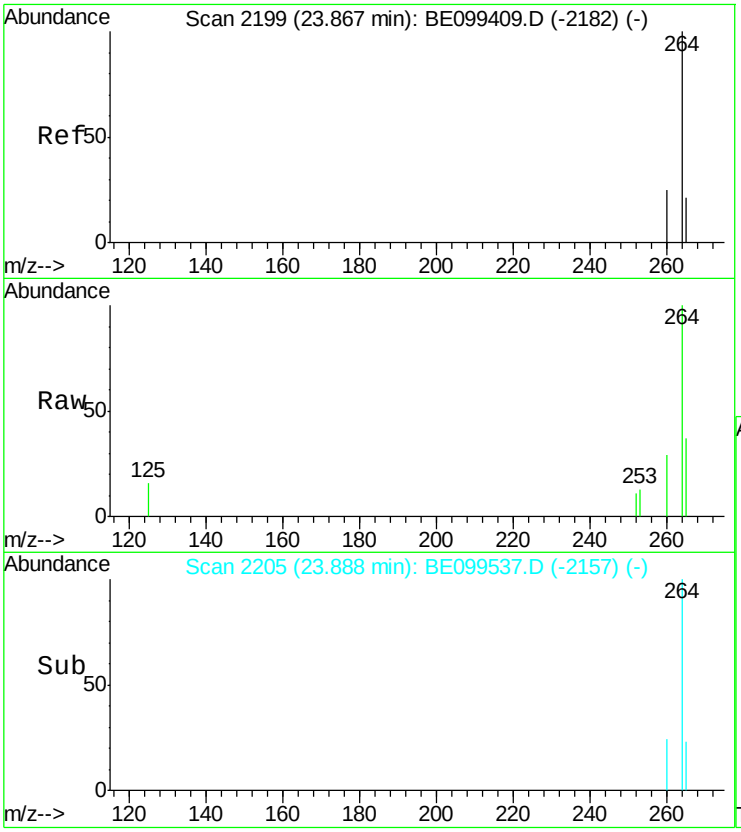


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.660 ng
RT: 26.55 min Scan# 2946
Delta R.T. 0.03 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:276 Resp: 62292

Ion	Ratio	Lower	Upper
276	100		
138	9.5	10.2	15.2#
277	22.0	19.2	28.8





#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:264 Resp: 30038

Ion	Ratio	Lower	Upper
264	100		
260	28.8	20.2	30.2
265	36.7	21.3	31.9#

Instrument :
BNA_E
ClientSampleId :
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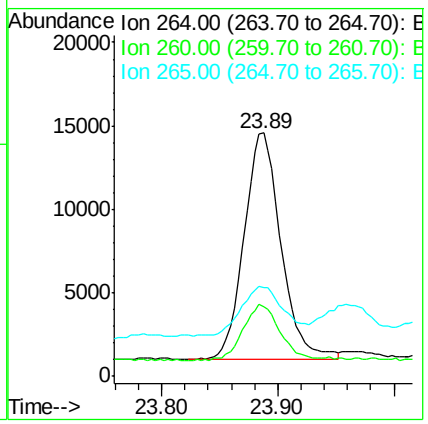
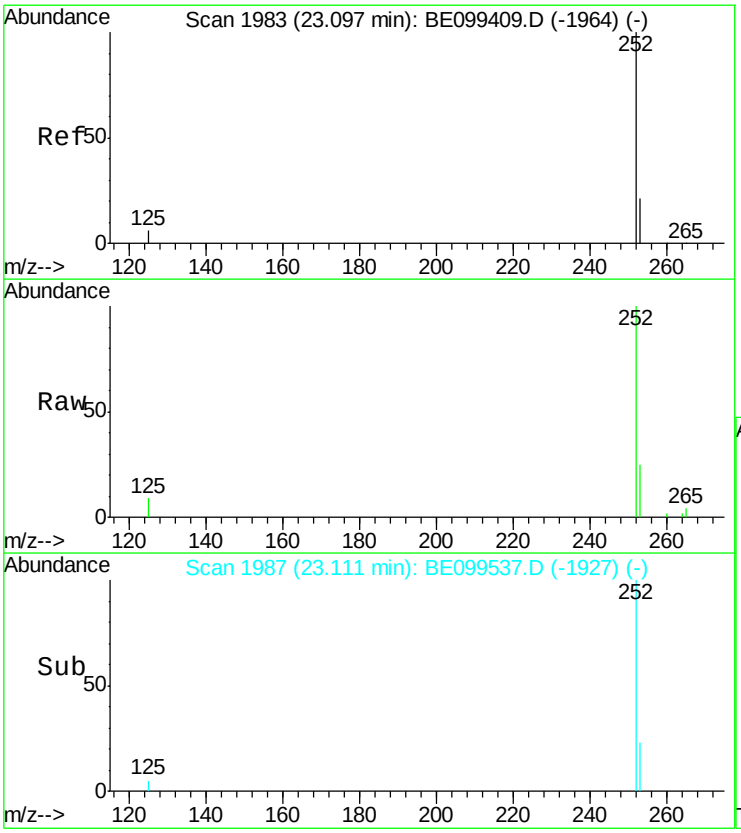
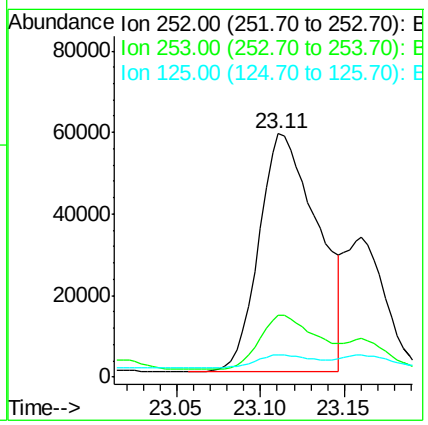


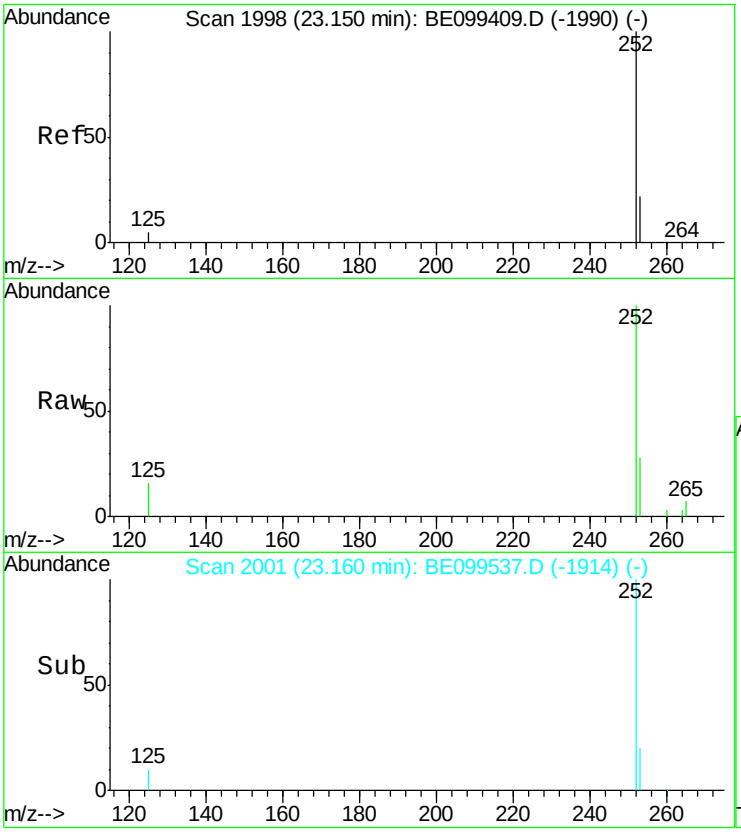


#35
Benzo(b)fluoranthene
Concen: 1.645 ng
RT: 23.11 min Scan# 1987
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:252 Resp: 142439

Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	9.2	5.6	8.4#





#36
Benzo(k)fluoranthene
Concen: 0.680 ng m
RT: 23.16 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:252 Resp: 56832

Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.4	27.6
125	16.3	5.0	7.4#

Instrument :
BNA_E
ClientSampleId :
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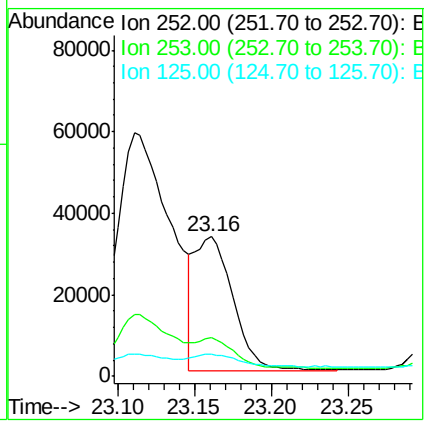
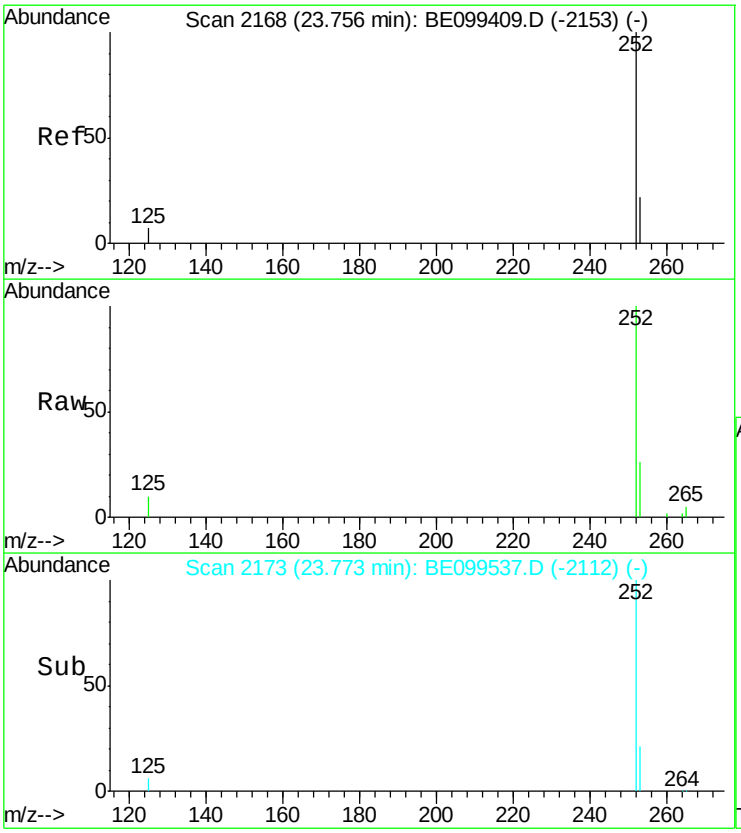
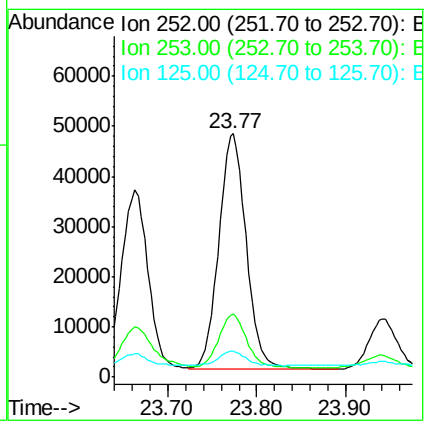


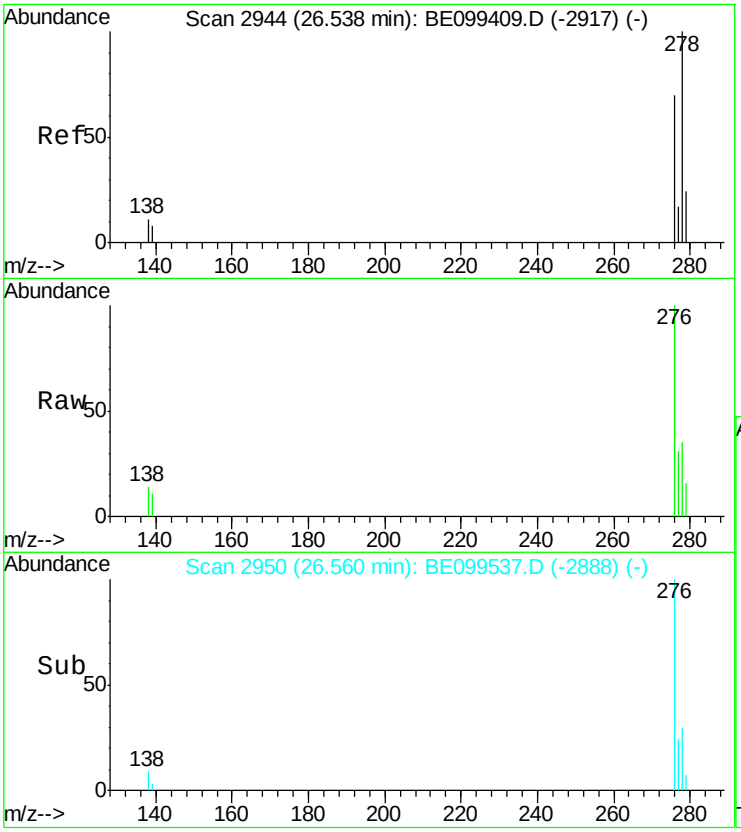


#37
Benzo(a)pyrene
Concen: 1.233 ng
RT: 23.77 min Scan# 2173
Delta R.T. 0.02 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:252 Resp: 100969

Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.9	28.3
125	10.5	6.7	10.1#





#38
Dibenzo(a,h)anthracene
Concen: 0.176 ng
RT: 26.56 min Scan# 2950
Delta R.T. 0.02 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:278 Resp: 14706

Ion	Ratio	Lower	Upper
278	100		
139	31.3	7.7	11.5#
279	45.3	20.2	30.2#

Instrument :
BNA_E
ClientSampleId :
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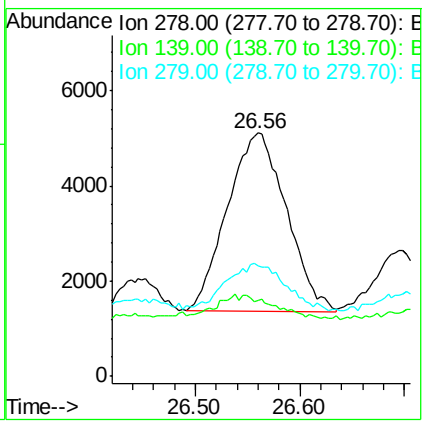

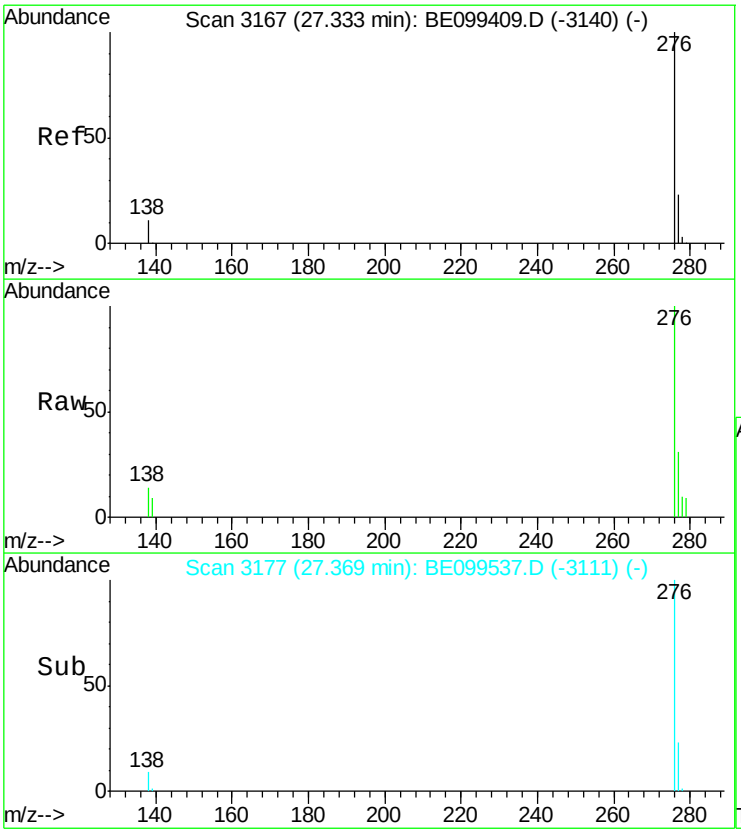

#39
Benzo(g,h,i)perylene
Concen: 0.719 ng
RT: 27.37 min Scan# 3177
Delta R.T. 0.04 min
Lab File: BE099537.D
Acq: 3 May 2019 19:30

Tgt Ion:276 Resp: 60355

Ion	Ratio	Lower	Upper
276	100		
277	30.6	19.5	29.3#
138	14.0	9.6	14.4