Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061319\
Data File : BE099986.D
Acq On : 13 Jun 2019 12:57
Operator : JU/SJ
Sample : K3270-05MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : GW-02MSD

Manual Integrations APPROVED
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6/14/2019 8:45:37 AM

Quant Time: Jun 14 03:53:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	712	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	2470	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	1910	0.40	ng		-0.01
19) Phenanthrene-d10	17.21	188	6868	0.40	ng		0.00
27) Chrysene-d12	21.39	240	10393	0.40	ng		-0.01
34) Perylene-d12	23.92	264	11988	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	283	0.15	ng		0.00
5) Phenol-d6	6.96	99	250	0.10	ng		0.00
8) Nitrobenzene-d5	8.96	82	872	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.20	152	2264	0.53	ng		-0.01
14) 2,4,6-Tribromophenol	15.96	330	443	0.31	ng		-0.01
15) 2-Fluorobiphenyl	13.09	172	2846	0.39	ng		-0.01
25) Fluoranthene-d10	19.24	212	33890	0.34	ng		-0.01
29) Terphenyl-d14	19.84	244	10205	0.55	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.27	88	225	0.214	ng	#	83
3) n-Nitrosodimethylamine	3.61	42	79	0.130	ng	#	100
6) bis(2-Chloroethyl)ether	7.22	93	547	0.271	ng		81
9) Naphthalene	10.64	128	9662	0.362	ng		100
10) Hexachlorobutadiene	10.91	225	677	0.333	ng		98
12) 2-Methylnaphthalene	12.28	142	1515	0.350	ng		98
16) Acenaphthylene	14.18	152	3222	0.339	ng		99
17) Acenaphthene	14.53	154	1767	0.341	ng		98
18) Fluorene	15.50	166	2798	0.360	ng		97
20) 4-Bromophenyl-phenylether	16.40	248	1229	0.316	ng	#	94
21) Hexachlorobenzene	16.50	284	1283	0.323	ng		99
22) Pentachlorophenol	16.87	266	1067	0.857	ng	#	83
23) Phenanthrene	17.25	178	5670	0.340	ng		100
24) Anthracene	17.35	178	5464	0.358	ng		98
26) Fluoranthene	19.28	202	10062	0.355	ng		99
28) Pyrene	19.64	202	10906	0.399	ng		99
30) Benzo(a)anthracene	21.38	228	12231	0.394	ng		99
31) Chrysene	21.43	228	12386	0.386	ng		98
32) Bis(2-ethylhexyl)phthalate	21.29	149	19445	0.436	ng		100
33) Indeno(1,2,3-cd)pyrene	26.60	276	13886	0.365	ng		99
35) Benzo(b)fluoranthene	23.14	252	11991m	0.357	ng		
36) Benzo(k)fluoranthene	23.19	252	12767	0.363	ng		97
37) Benzo(a)pyrene	23.81	252	12213	0.369	ng	#	91
38) Dibenzo(a,h)anthracene	26.63	278	10794	0.324	ng		97
39) Benzo(g,h,i)perylene	27.42	276	12010	0.349	ng		98

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

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Sample : K3270-05MSD
Misc :
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Quant Time: Jun 14 03:53:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 10 14:57:20 2019
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
GW-02MSD

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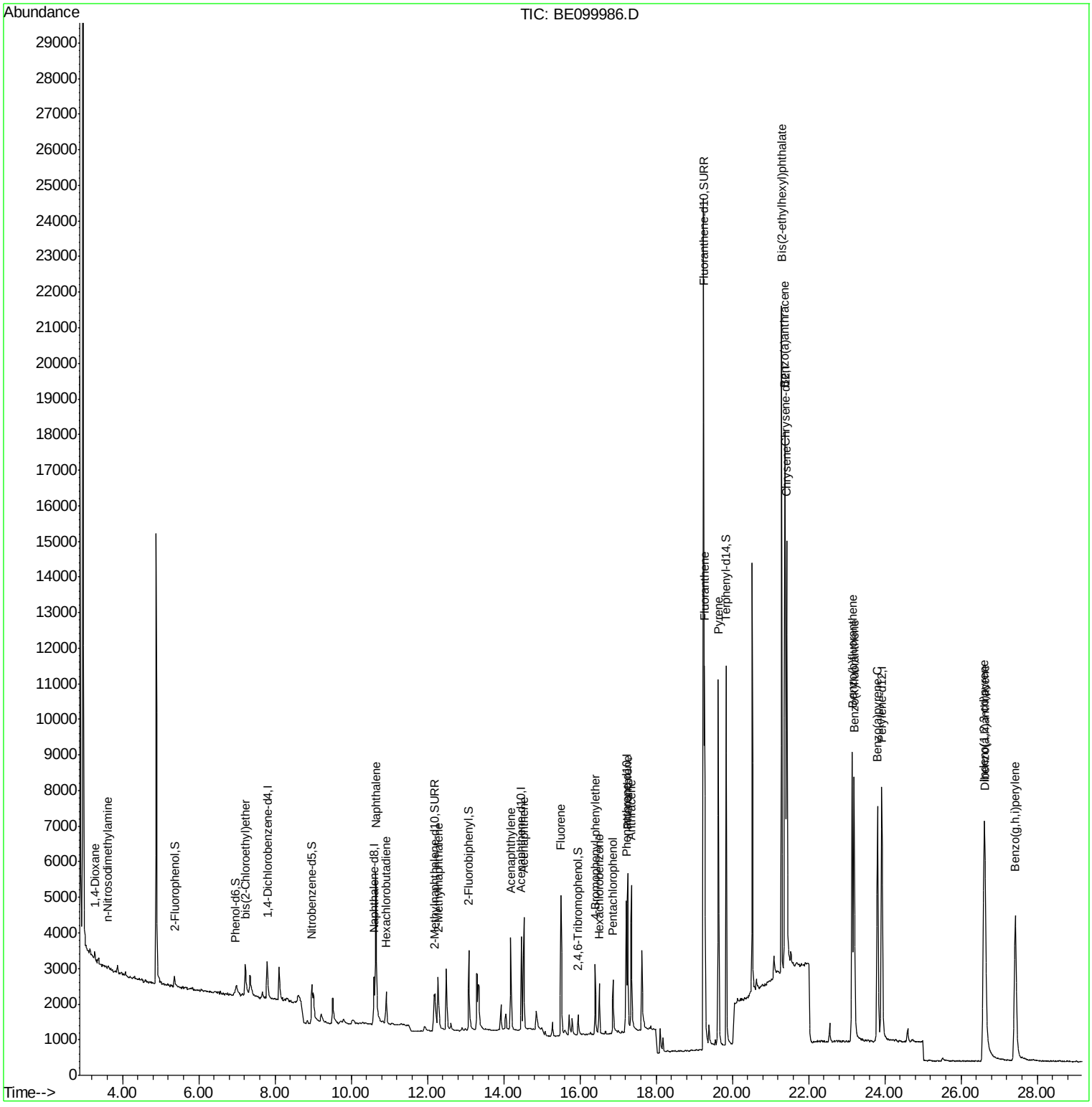
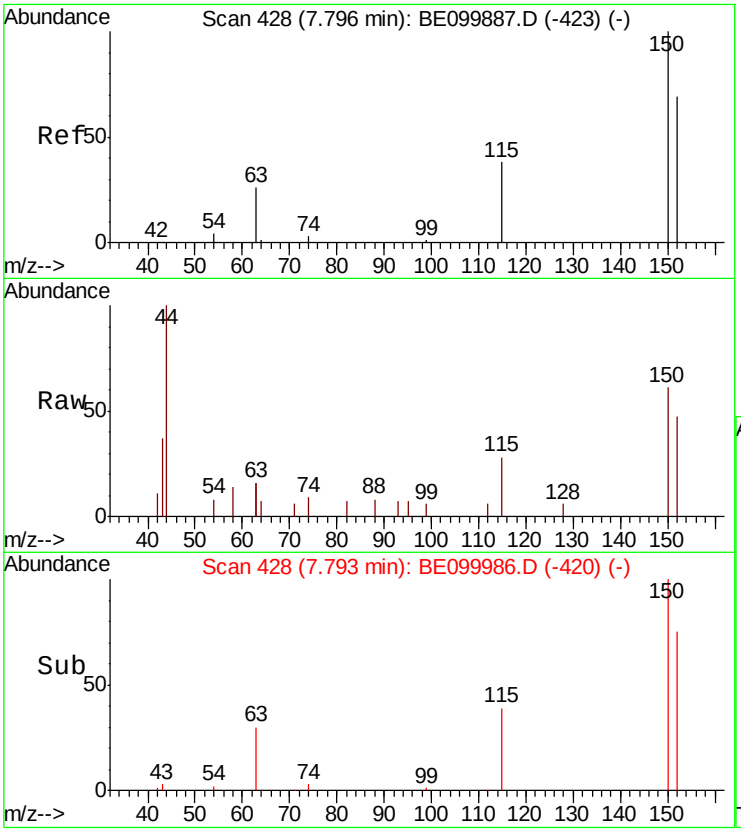
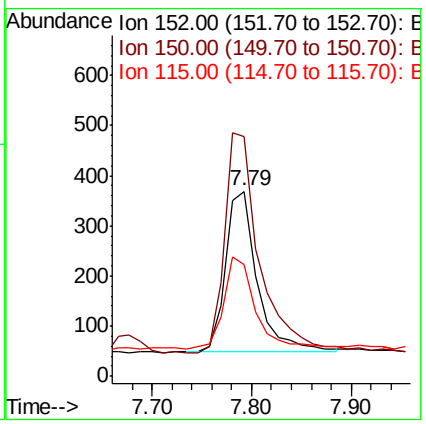




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.79 min Scan# 428
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:152 Resp: 712

Ion	Ratio	Lower	Upper
152	100		
150	129.8	111.0	166.6
115	60.2	50.7	76.1



Instrument :
BNA_E
ClientSampleId :
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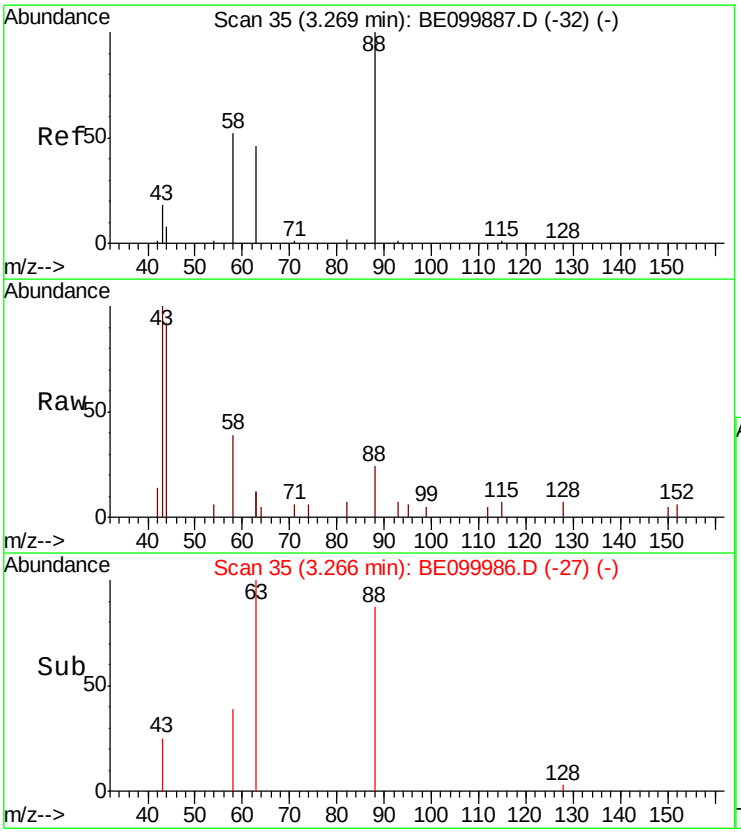
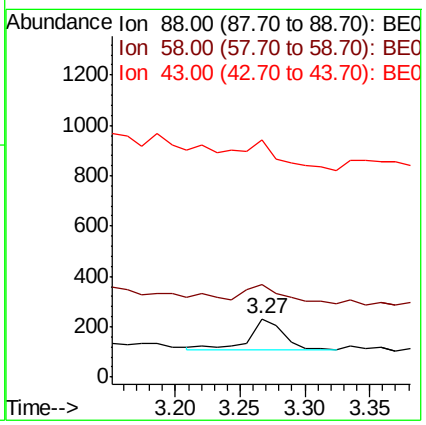
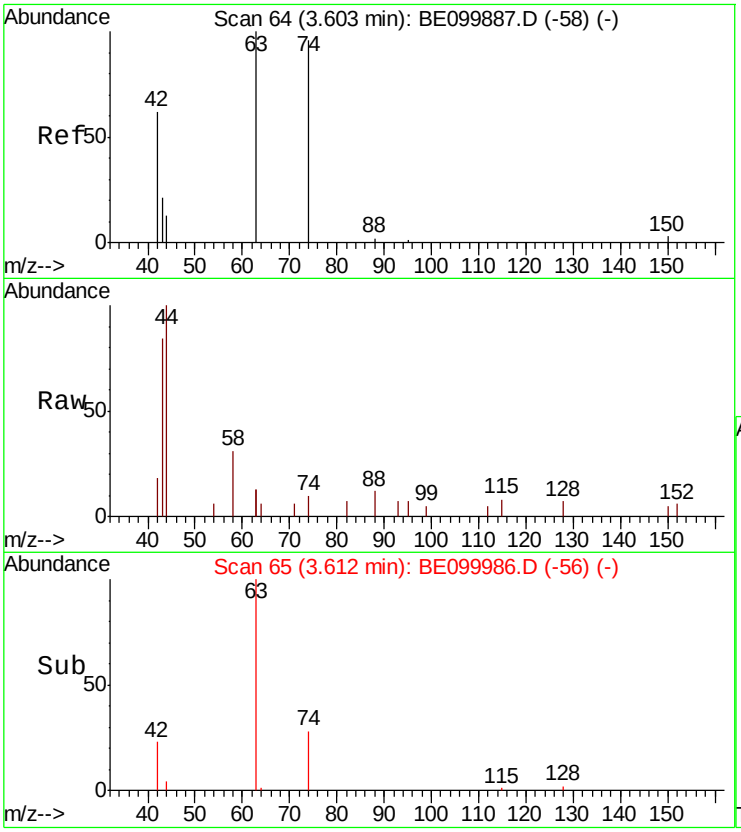


#2
1,4-Dioxane
Concen: 0.214 ng
RT: 3.27 min Scan# 35
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion: 88 Resp: 225

Ion	Ratio	Lower	Upper
88	100		
58	64.9	48.8	73.2
43	0.0	19.0	28.6#

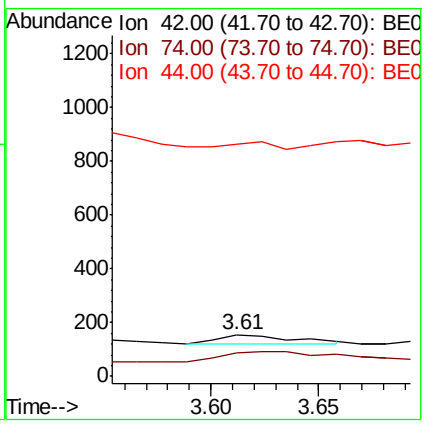




#3
n-Nitrosodimethylamine
Concen: 0.130 ng
RT: 3.61 min Scan# 65
Delta R.T. 0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion: 42 Resp: 79

Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	0.0	0.0	0.0



Instrument :
BNA_E
ClientSampleId :
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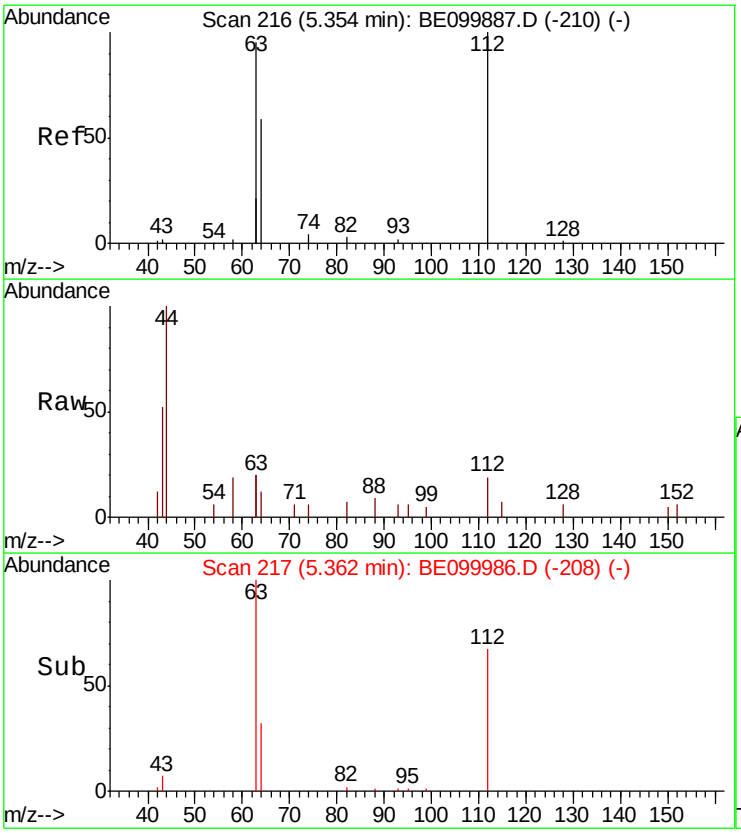
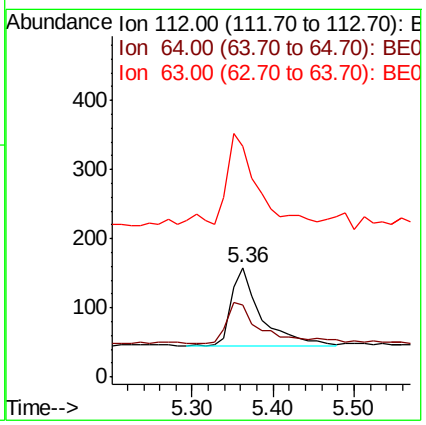
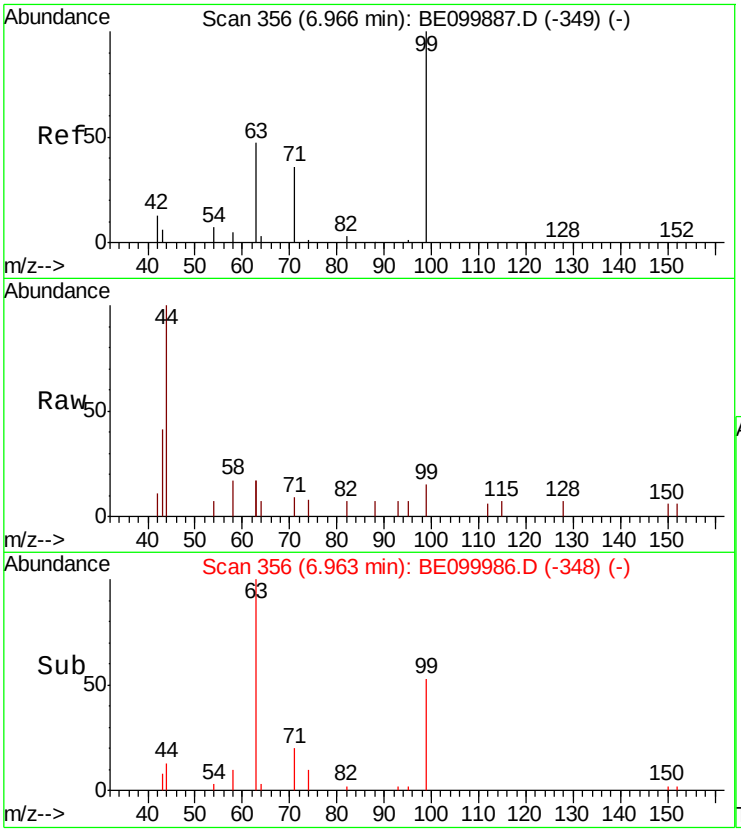


#4
2-Fluorophenol
Concen: 0.147 ng
RT: 5.36 min Scan# 217
Delta R.T. 0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:112 Resp: 283

Ion	Ratio	Lower	Upper
112	100		
64	61.1	44.1	66.1
63	122.6	87.8	131.6





#5
Phenol-d6
Concen: 0.101 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion: 99 Resp: 250

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.9	23.9#
71	36.4	34.6	52.0

Instrument :
BNA_E
ClientSampleId :
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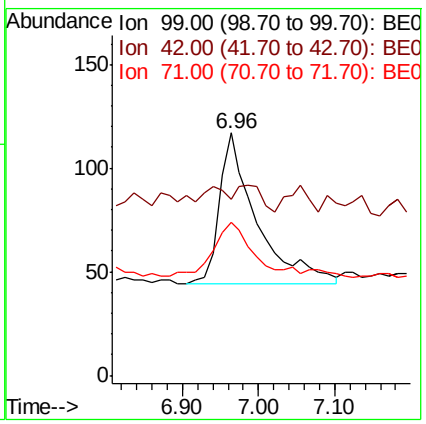
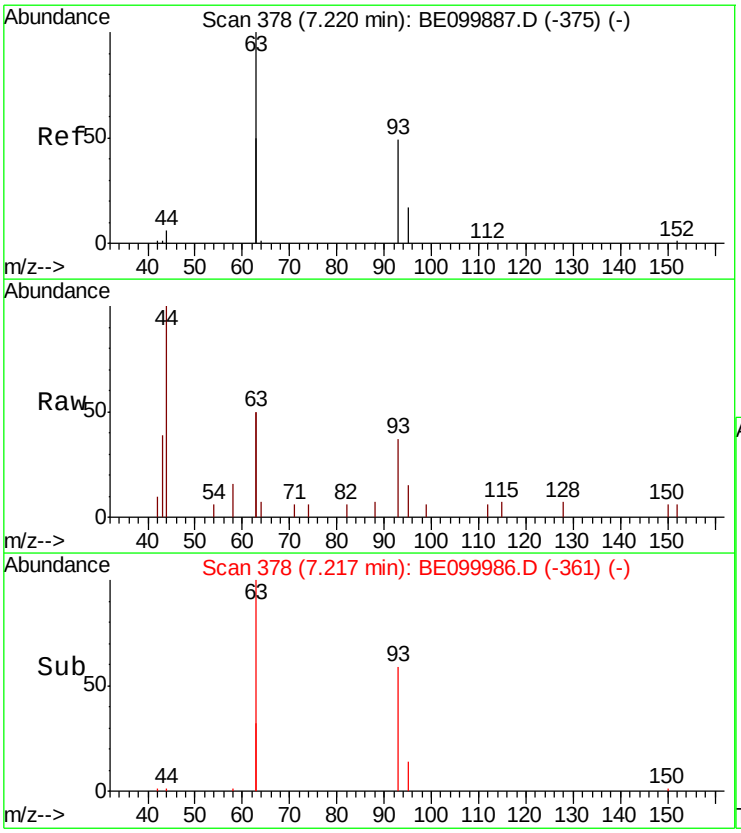
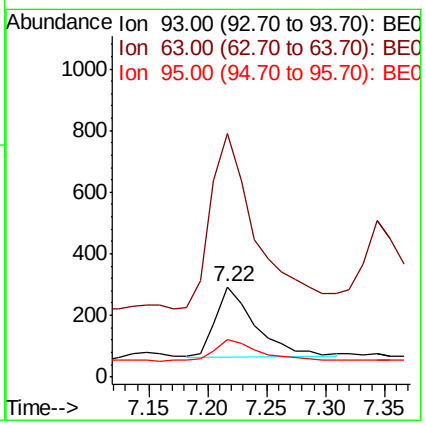


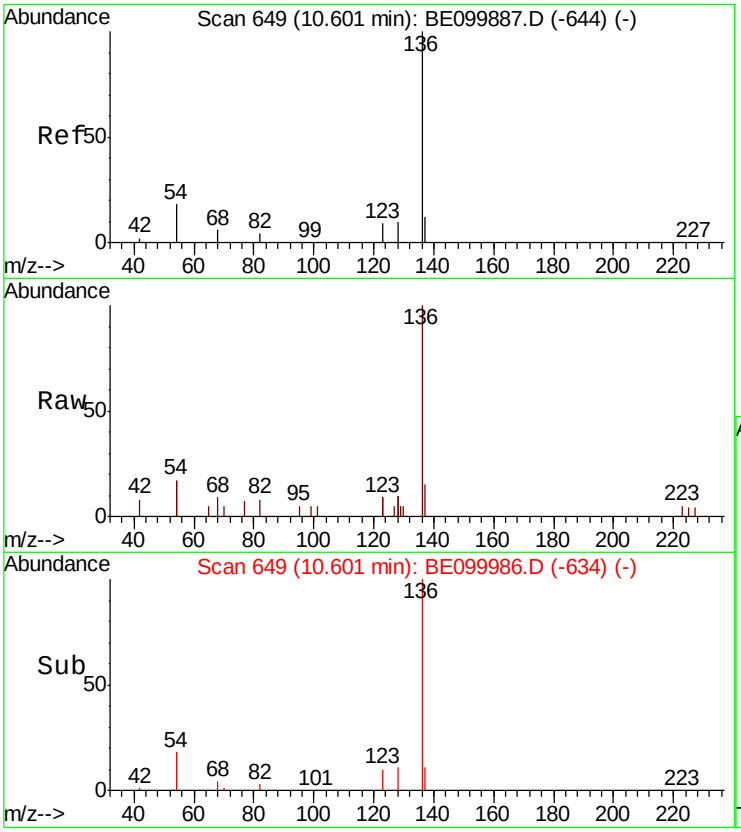


#6
bis(2-Chloroethyl)ether
Concen: 0.271 ng
RT: 7.22 min Scan# 378
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion: 93 Resp: 547

Ion	Ratio	Lower	Upper
93	100		
63	288.3	202.8	304.2
95	34.9	23.7	35.5

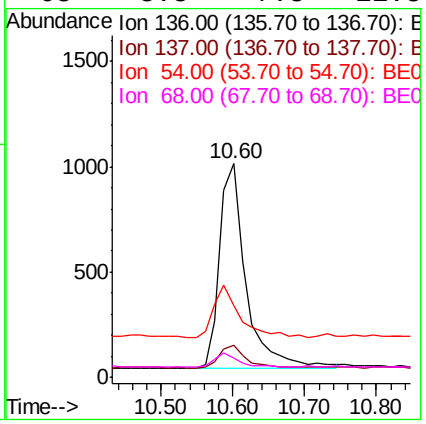




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:136 Resp: 2470

Ion	Ratio	Lower	Upper
136	100		
137	15.3	12.3	18.5
54	33.7	28.2	42.4
68	8.8	7.8	11.8



Instrument :
BNA_E
ClientSampleId :
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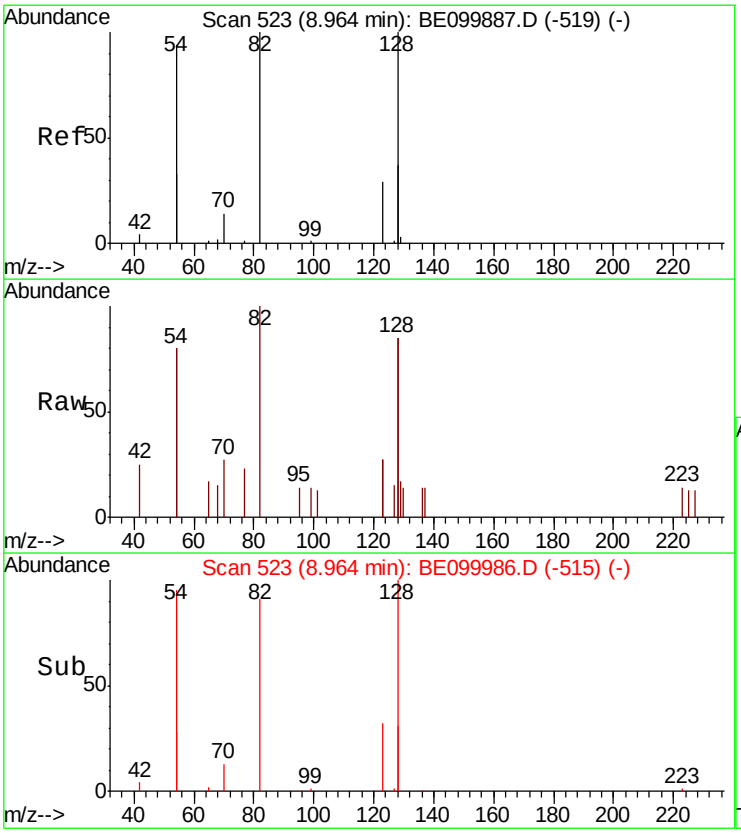
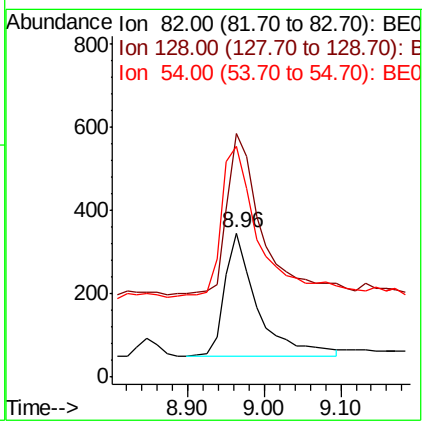
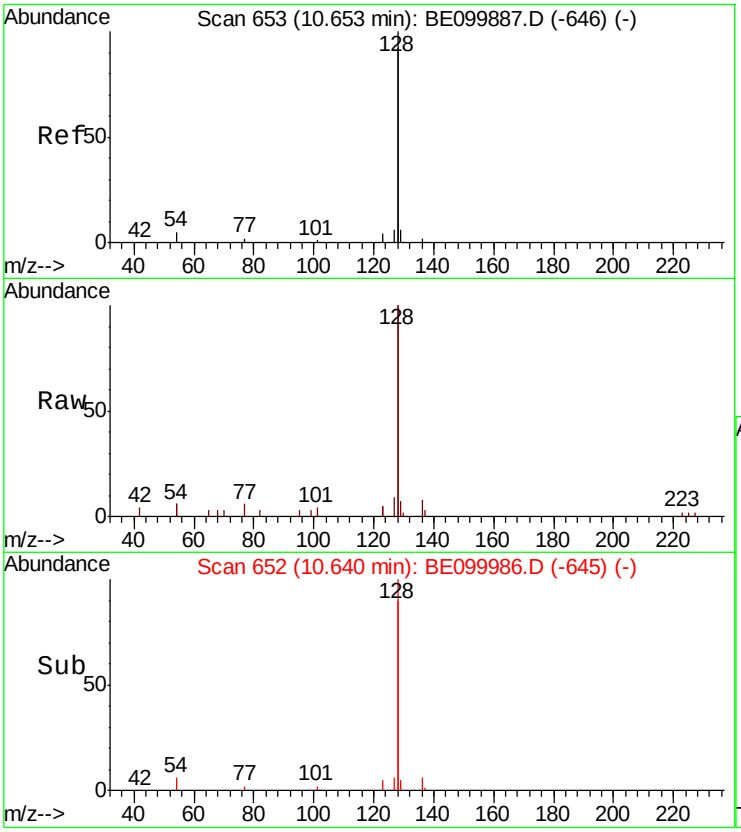


#8
Nitrobenzene-d5
Concen: 0.373 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion: 82 Resp: 872

Ion	Ratio	Lower	Upper
82	100		
128	169.3	137.3	205.9
54	160.6	129.7	194.5

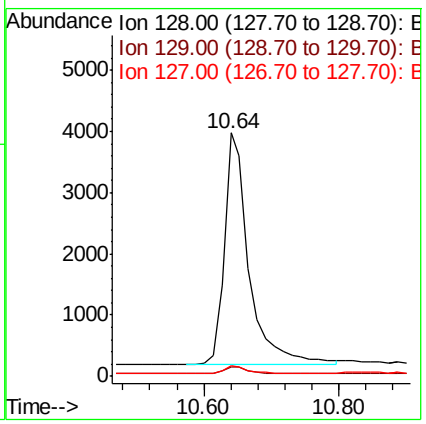




#9
Naphthalene
Concen: 0.362 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:128 Resp: 9662

Ion	Ratio	Lower	Upper
128	100		
129	3.7	3.0	4.6
127	4.3	3.4	5.0



Instrument :
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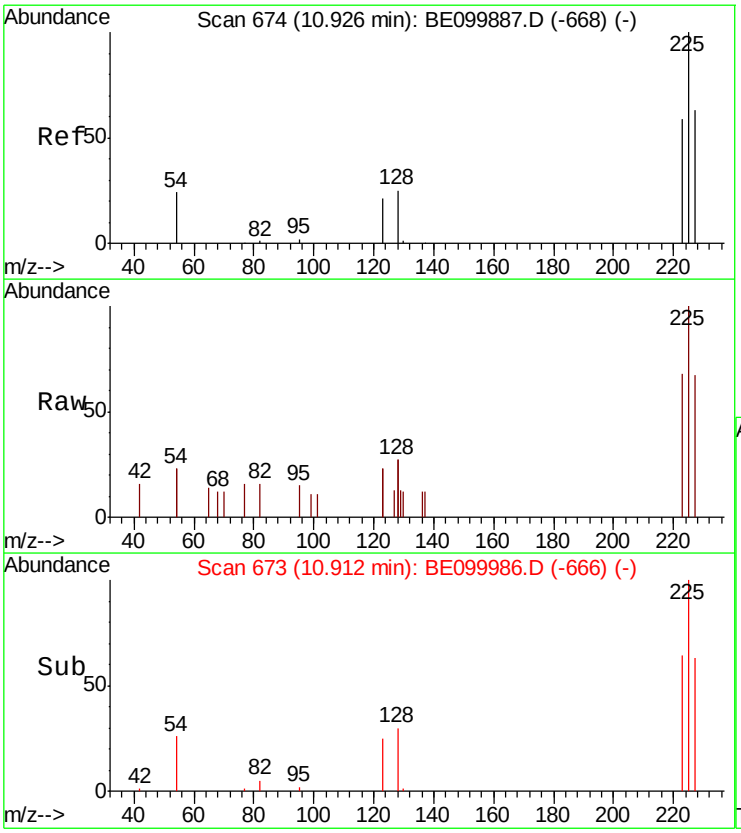
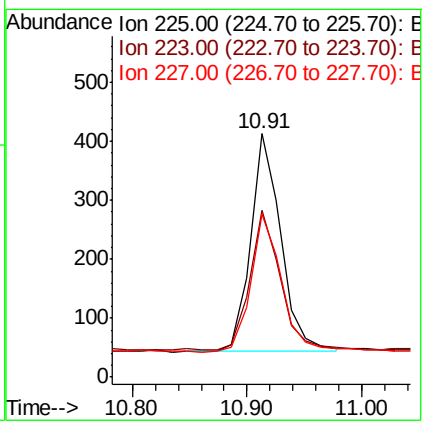
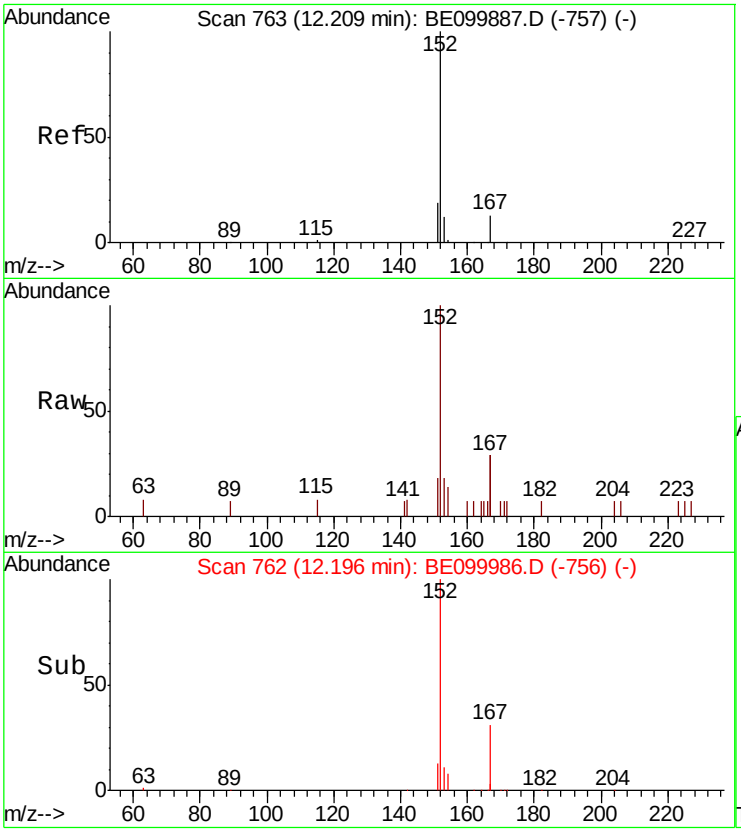


#10
Hexachlorobutadiene
Concen: 0.333 ng
RT: 10.91 min Scan# 673
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:225 Resp: 677

Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.6	77.4
227	64.4	50.6	76.0





#11
2-Methylnaphthalene-d10
Concen: 0.526 ng
RT: 12.20 min Scan# 762
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:152 Resp: 2264

Ion	Ratio	Lower	Upper
152	100		
151	11.7	15.2	22.8#

Instrument :
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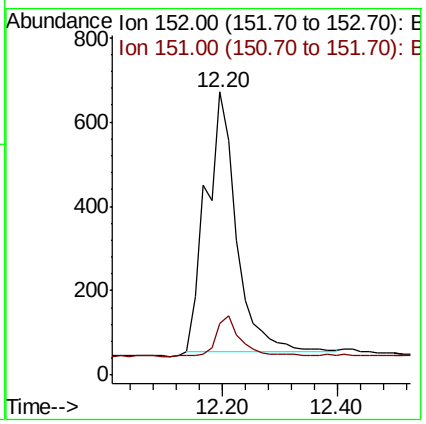
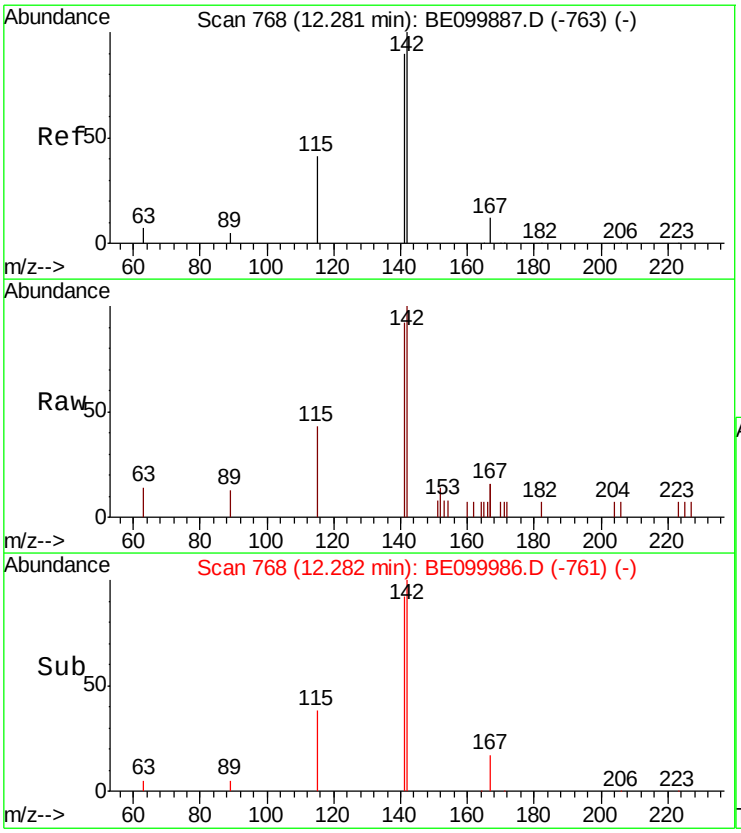
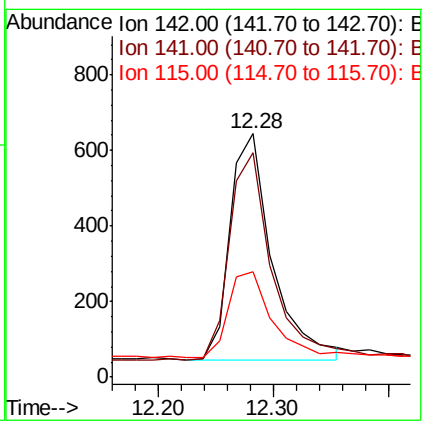


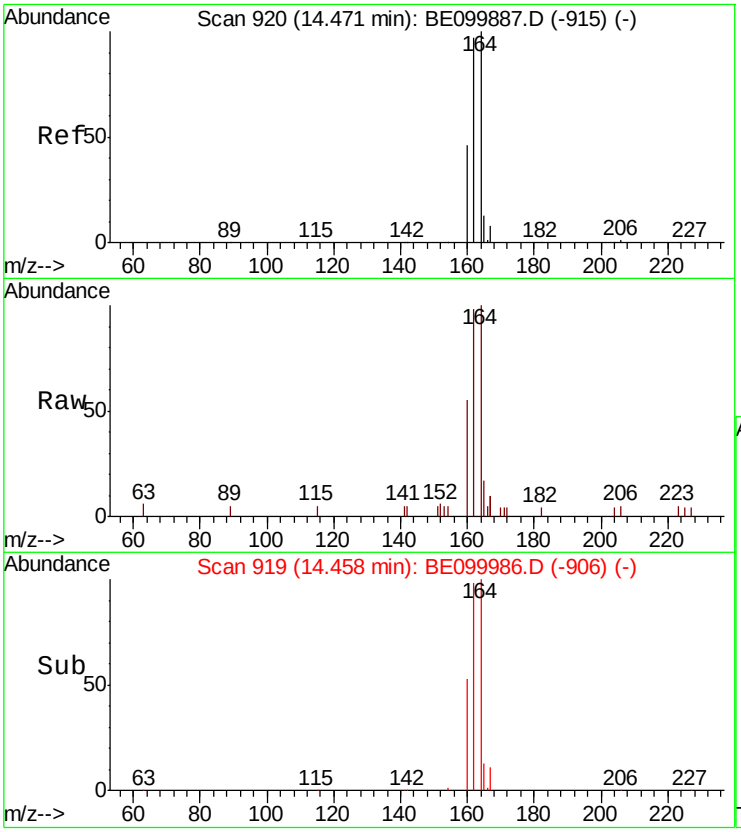


#12
2-Methylnaphthalene
Concen: 0.350 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:142 Resp: 1515

Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.3	108.5
115	43.5	36.4	54.6

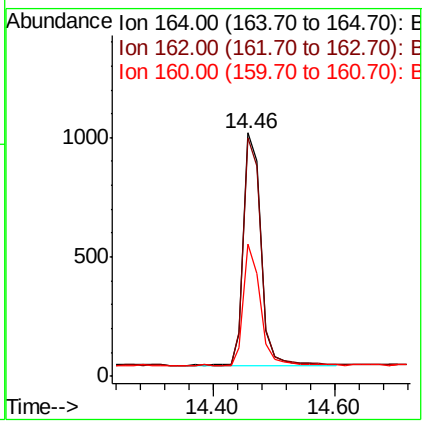




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:164 Resp: 1910

Ion	Ratio	Lower	Upper
164	100		
162	98.0	77.8	116.8
160	54.5	38.2	57.4



Instrument :
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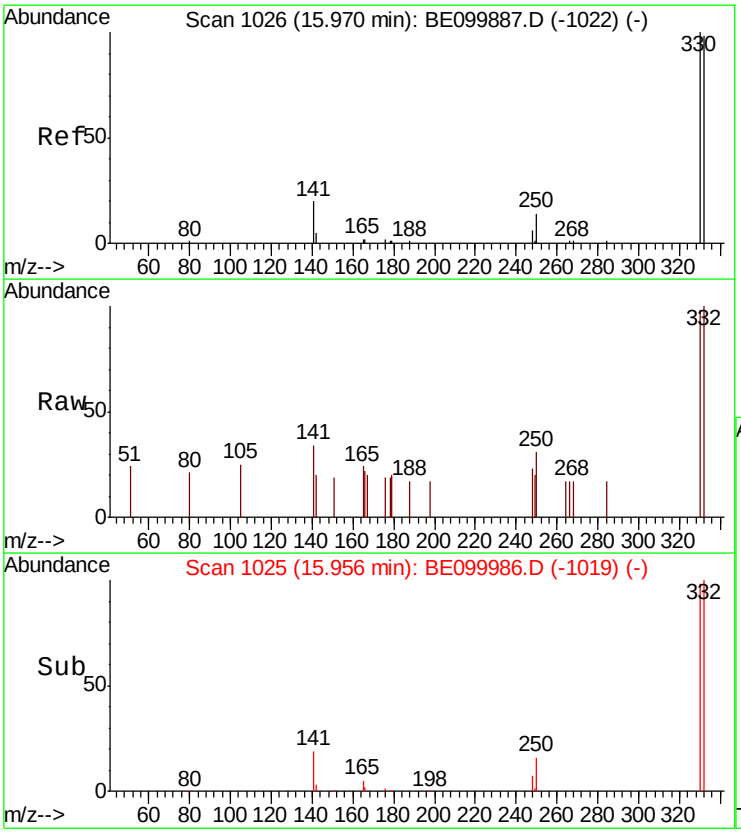
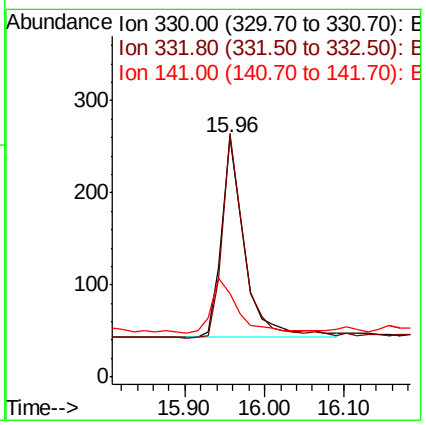
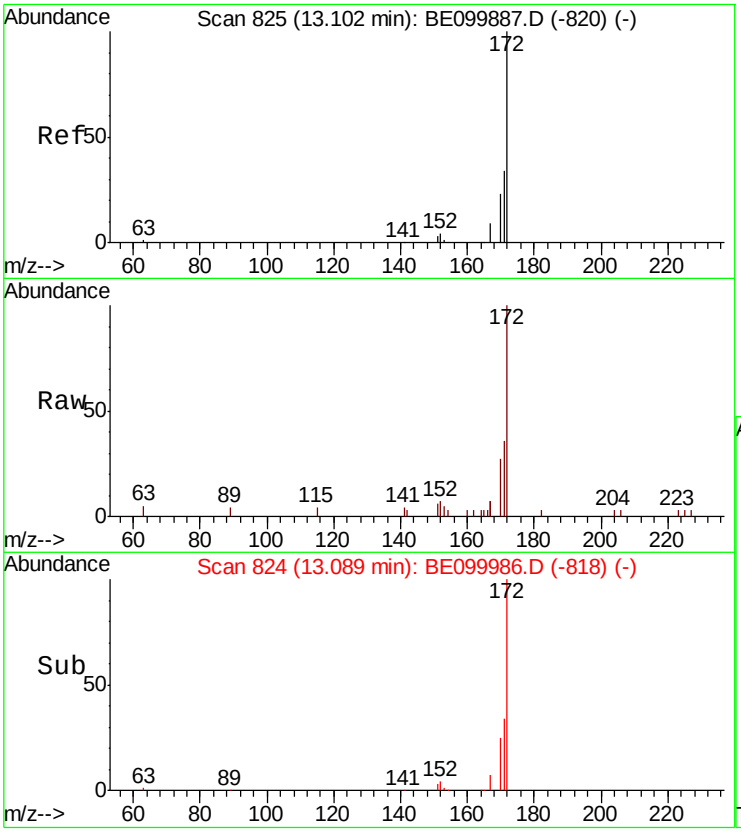


#14
2,4,6-Tribromophenol
Concen: 0.314 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:330 Resp: 443

Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.7	115.1
141	31.6	21.0	31.6#

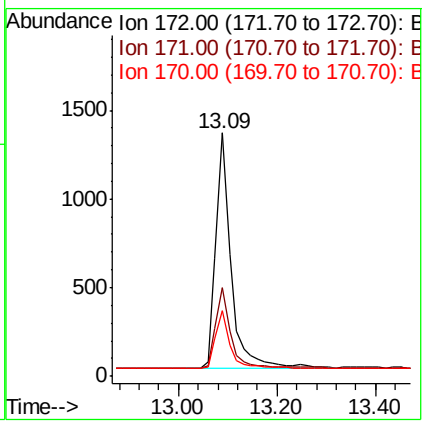




#15
2-Fluorobiphenyl
Concen: 0.393 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:172 Resp: 2846

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	27.1	21.2	31.8



Instrument :
BNA_E
ClientSampleId :
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Manual Integrations APPROVED
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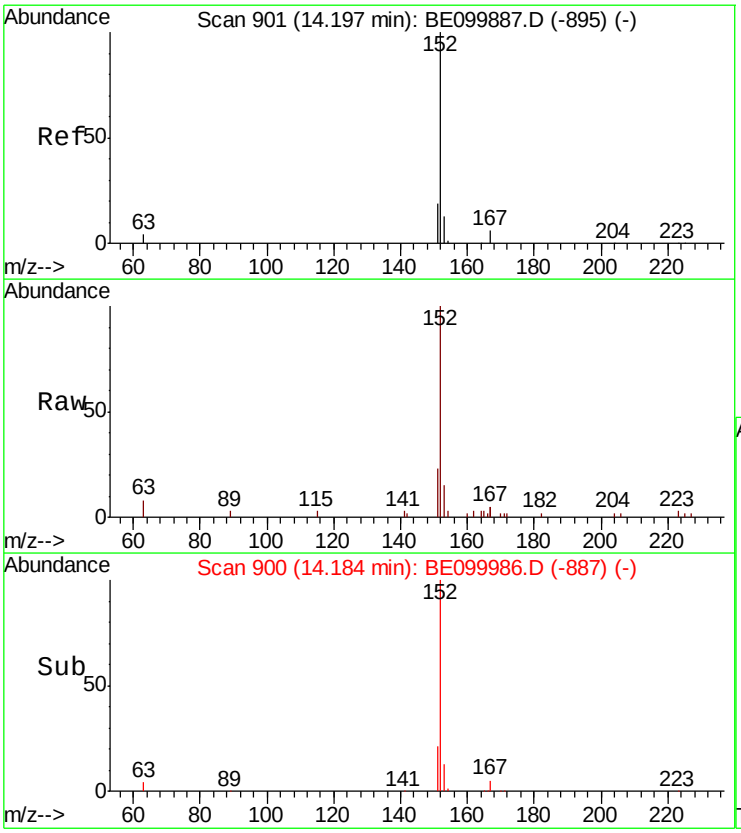
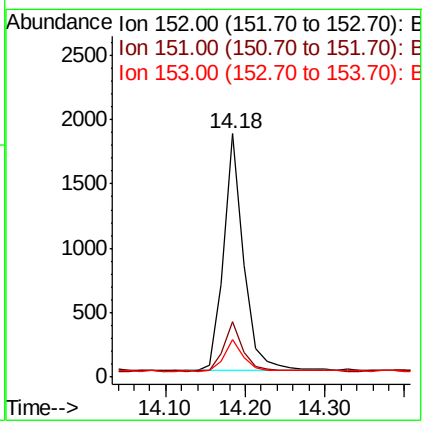
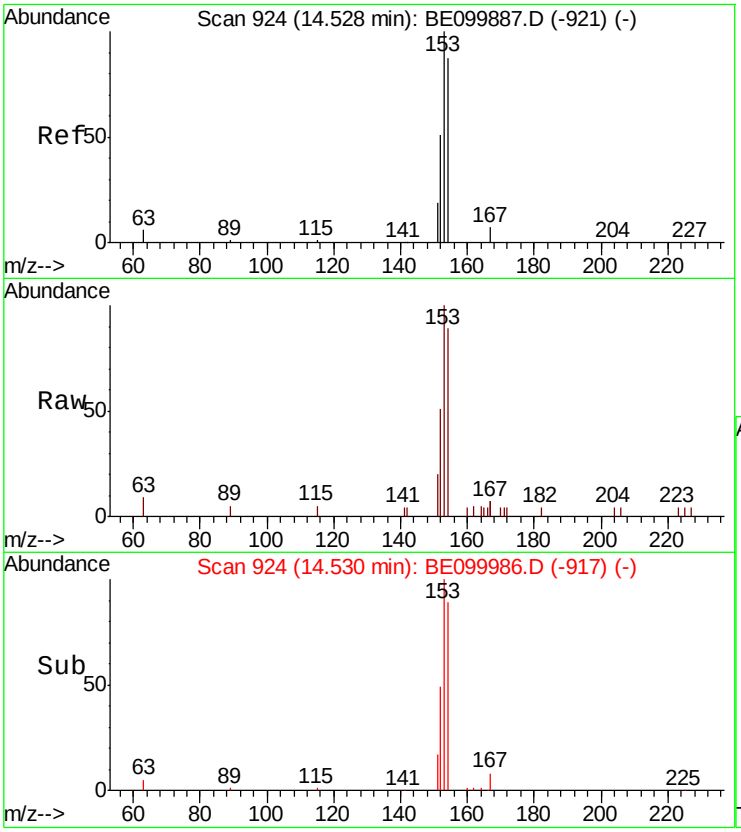


#16
Acenaphthylene
Concen: 0.339 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:152 Resp: 3222

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	13.4	10.2	15.2

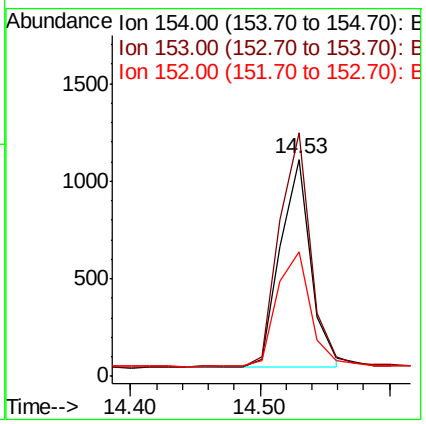




#17
Acenaphthene
Concen: 0.341 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:154 Resp: 1767

Ion	Ratio	Lower	Upper
154	100		
153	114.8	93.1	139.7
152	60.0	47.0	70.4



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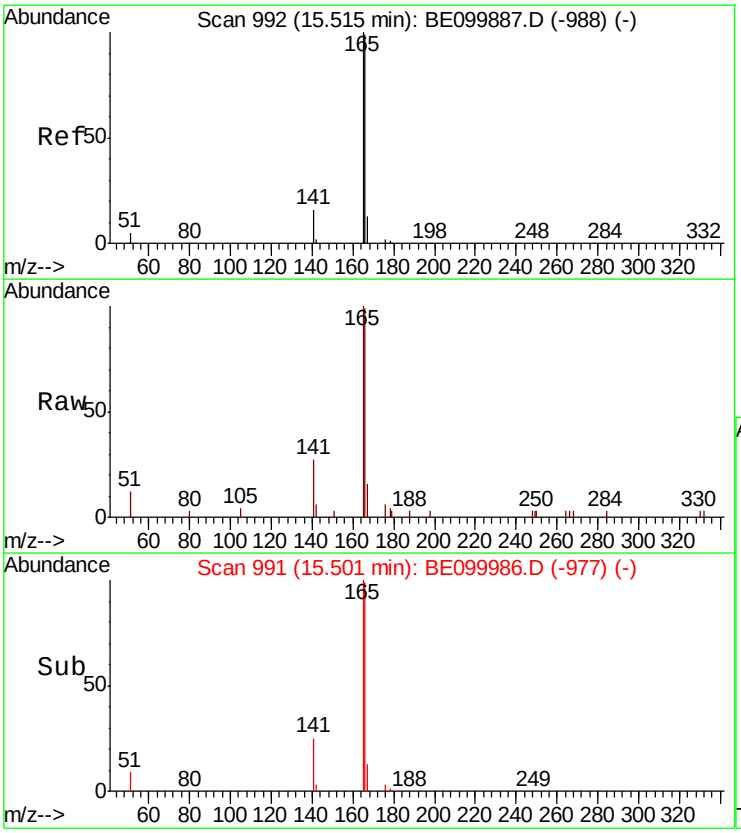
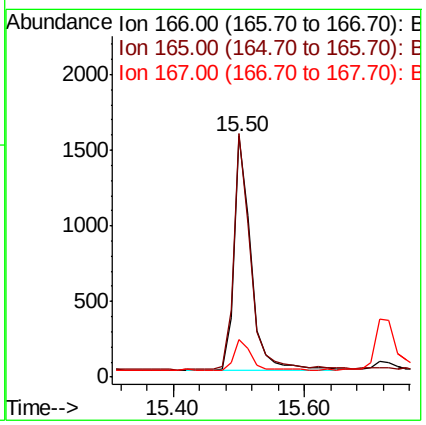
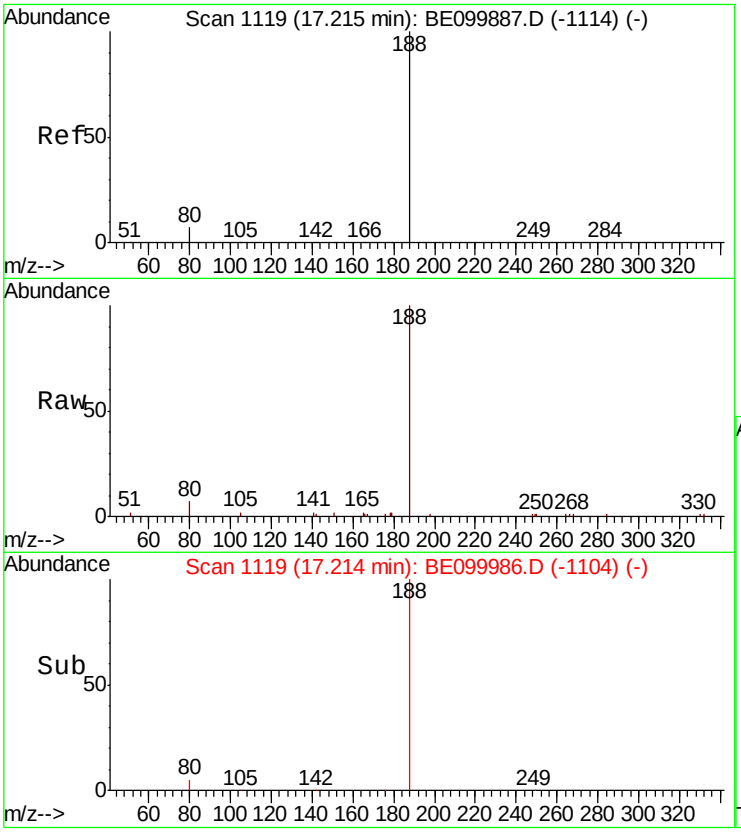


#18
Fluorene
Concen: 0.360 ng
RT: 15.50 min Scan# 991
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:166 Resp: 2798

Ion	Ratio	Lower	Upper
166	100		
165	99.6	81.8	122.8
167	13.3	11.2	16.8





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:188 Resp: 6868

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.8	6.4	9.6

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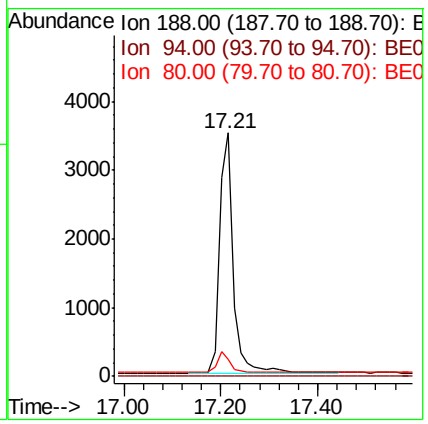
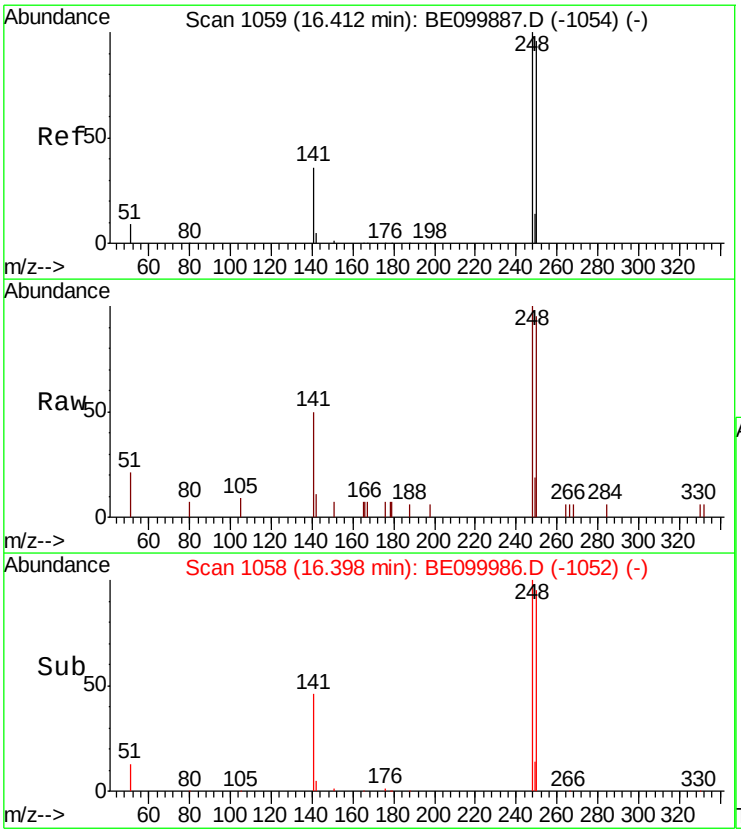
6/14/2019 8:45:37 AM

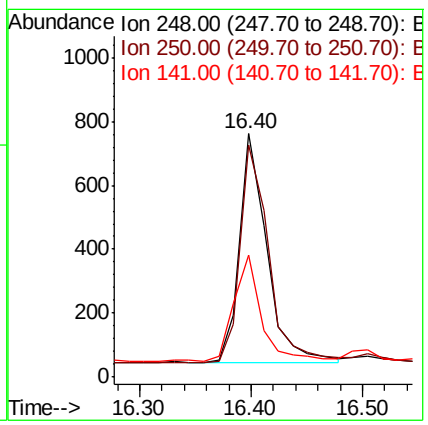


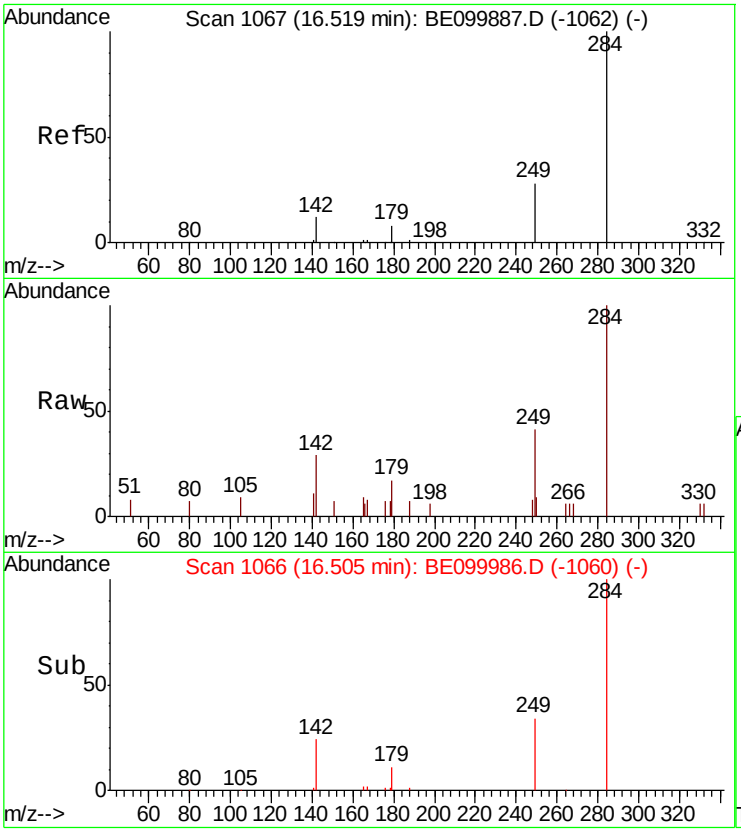


#20
4-Bromophenyl-phenylether
Concen: 0.316 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:248 Resp: 1229

Ion	Ratio	Lower	Upper
248	100		
250	95.4	77.5	116.3
141	49.9	31.8	47.8#

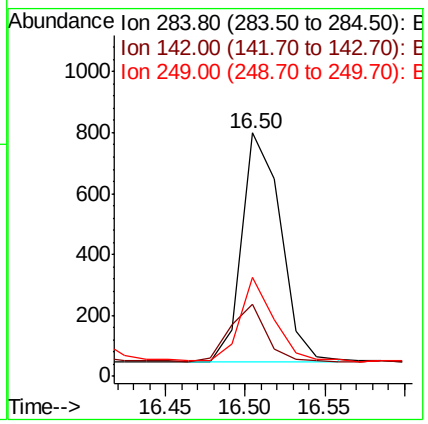




#21
Hexachlorobenzene
Concen: 0.323 ng
RT: 16.50 min Scan# 1066
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:284 Resp: 1283

Ion	Ratio	Lower	Upper
284	100		
142	23.6	18.2	27.4
249	31.0	24.6	37.0



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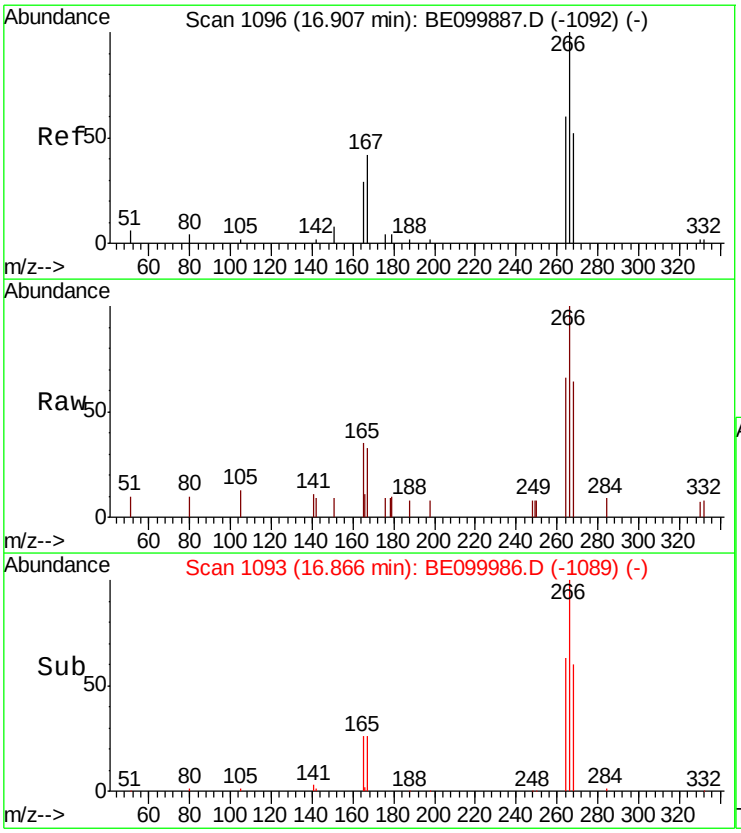
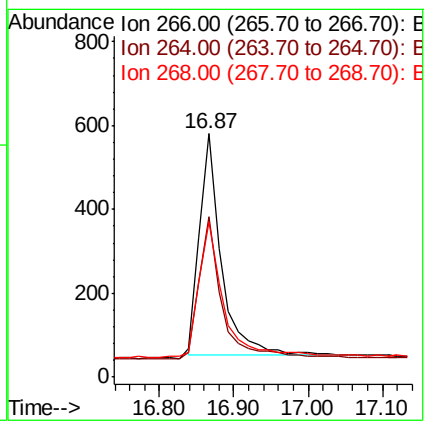
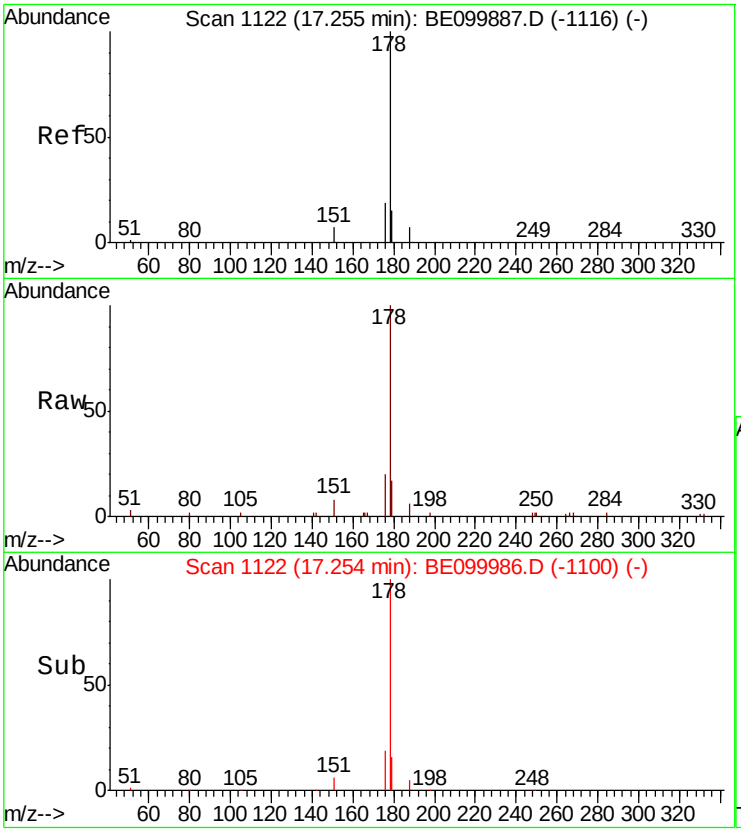


#22
Pentachlorophenol
Concen: 0.857 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.04 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:266 Resp: 1067

Ion	Ratio	Lower	Upper
266	100		
264	66.1	62.2	93.2
268	63.9	65.5	98.3#

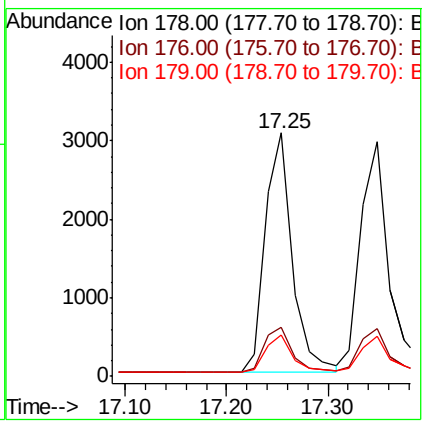




#23
Phenanthrene
Concen: 0.340 ng
RT: 17.25 min Scan# 1122
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:178 Resp: 5670

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.6	12.4	18.6



Instrument :
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ClientSampleId :
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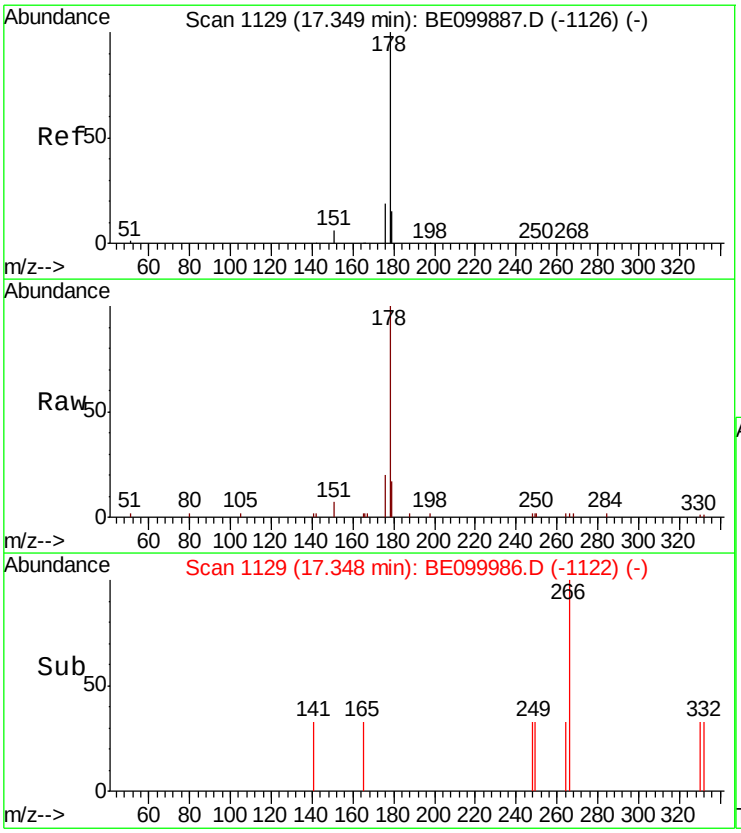
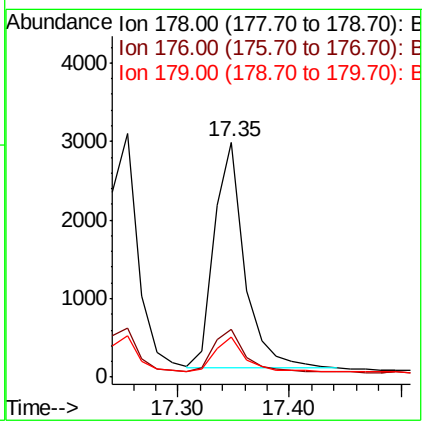
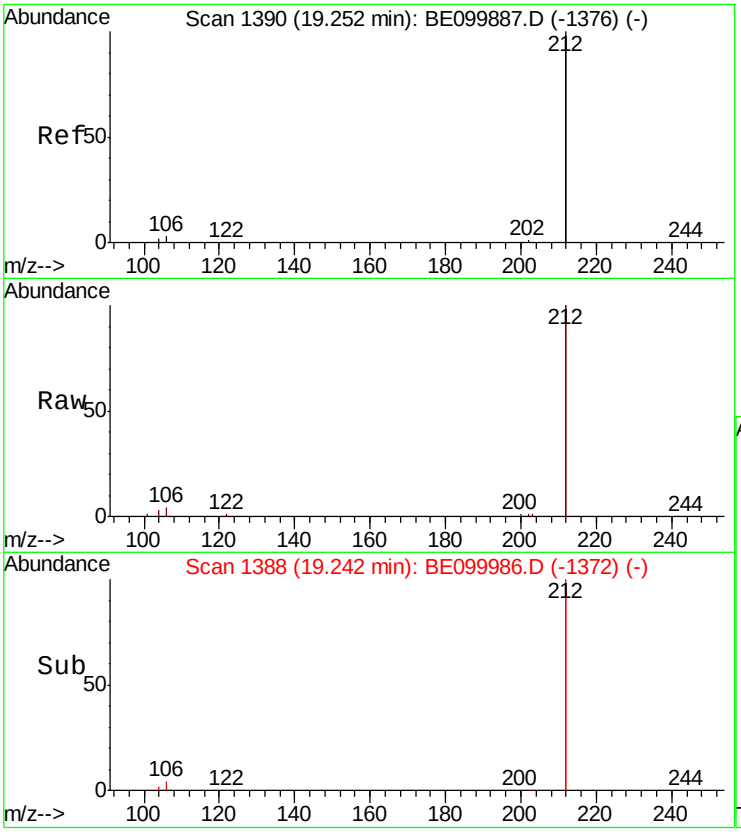


#24
Anthracene
Concen: 0.358 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:178 Resp: 5464

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.6	22.0
179	14.7	12.3	18.5

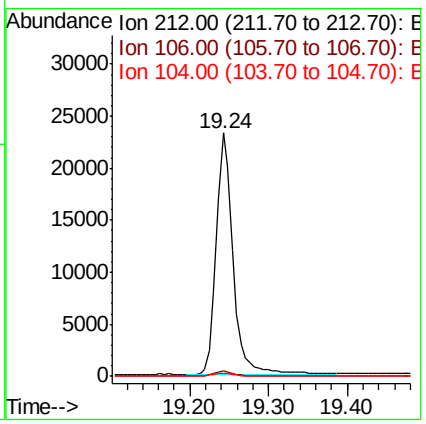




#25
Fluoranthene-d10
Concen: 0.339 ng
RT: 19.24 min Scan# 1388
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:212 Resp: 33890

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.2
104	1.2	0.9	1.3



Instrument :
BNA_E
ClientSampleId :
GW-02MSD

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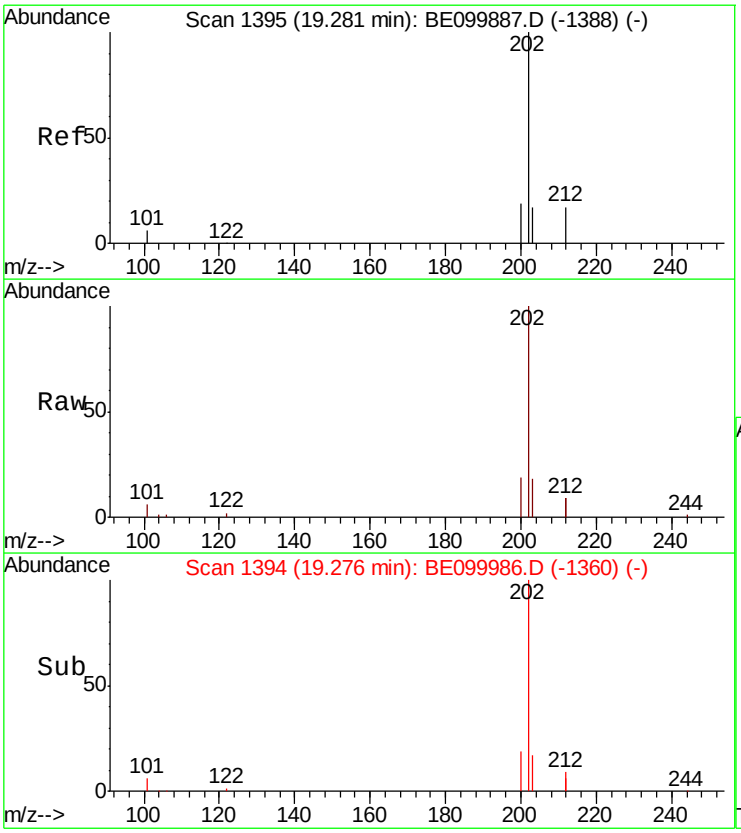
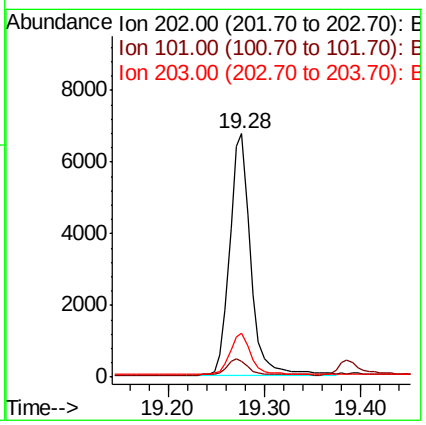
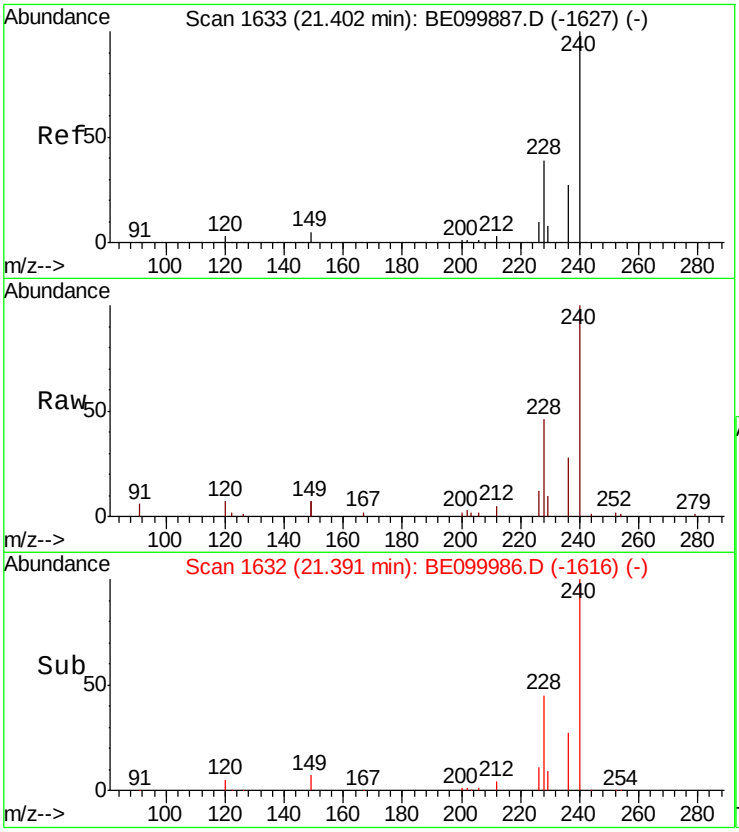


#26
Fluoranthene
Concen: 0.355 ng
RT: 19.28 min Scan# 1394
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:202 Resp: 10062

Ion	Ratio	Lower	Upper
202	100		
101	7.1	5.4	8.0
203	17.0	13.2	19.8

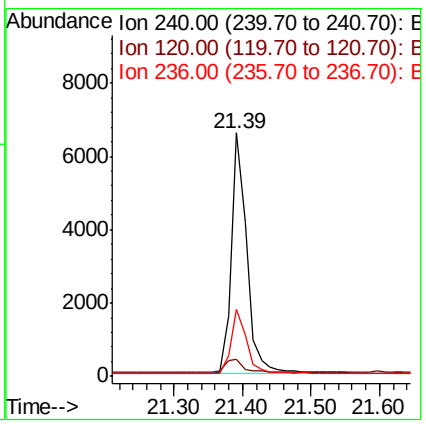




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:240 Resp: 10393

Ion	Ratio	Lower	Upper
240	100		
120	6.8	3.8	5.6#
236	27.6	22.0	33.0



Instrument :
BNA_E
ClientSampleId :
GW-02MSD

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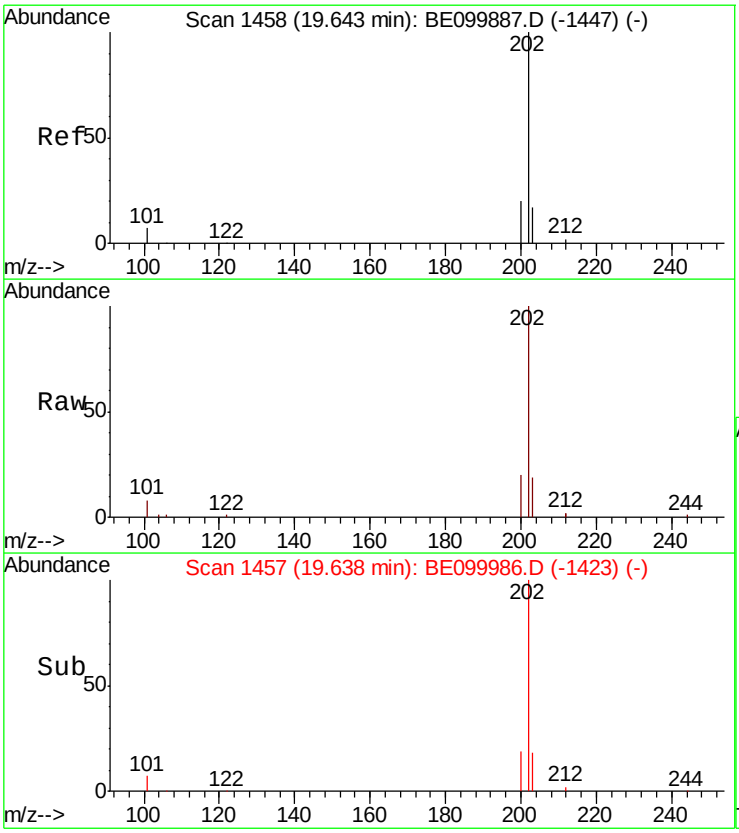
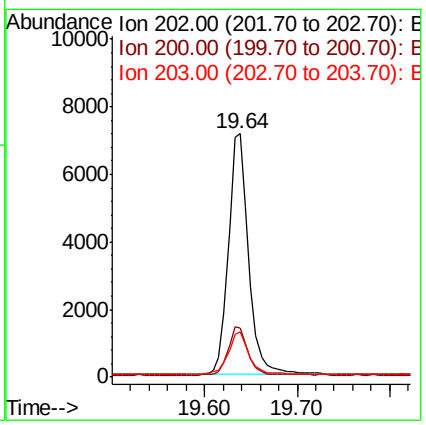
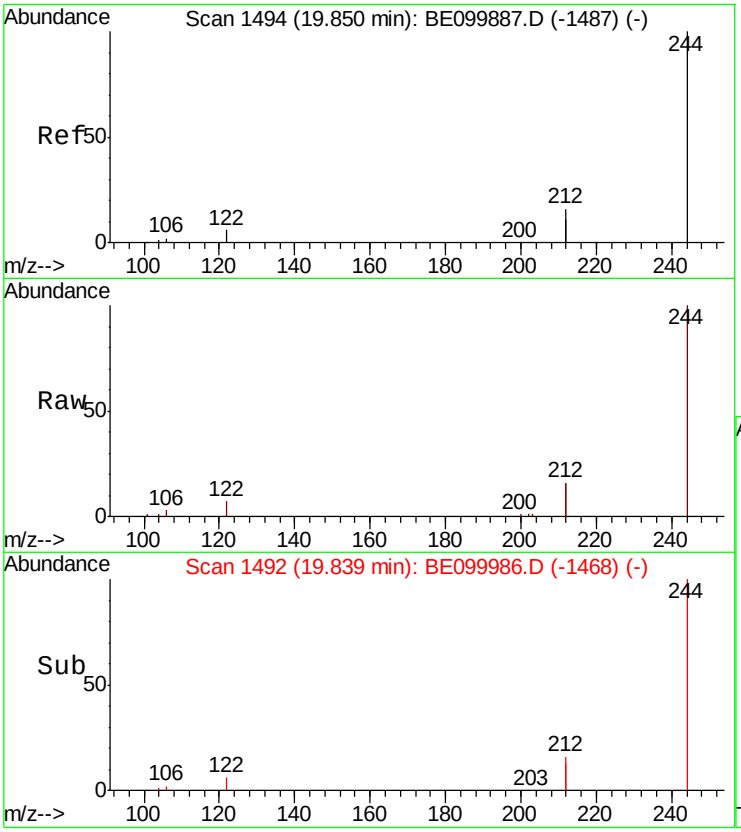


#28
Pyrene
Concen: 0.399 ng
RT: 19.64 min Scan# 1457
Delta R.T. -0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:202 Resp: 10906

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.5	23.3
203	18.1	14.0	21.0

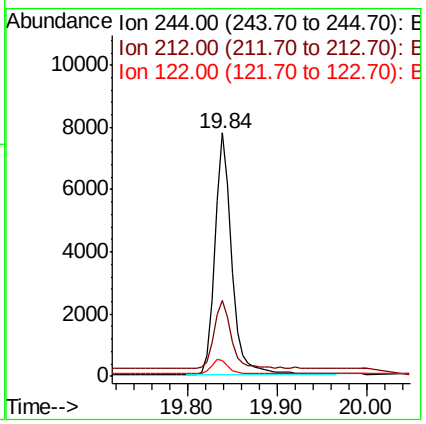




#29
Terphenyl-d14
Concen: 0.545 ng
RT: 19.84 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:244 Resp: 10205

Ion	Ratio	Lower	Upper
244	100		
212	31.4	25.7	38.5
122	6.7	5.5	8.3



Instrument :
BNA_E
ClientSampleId :
GW-02MSD

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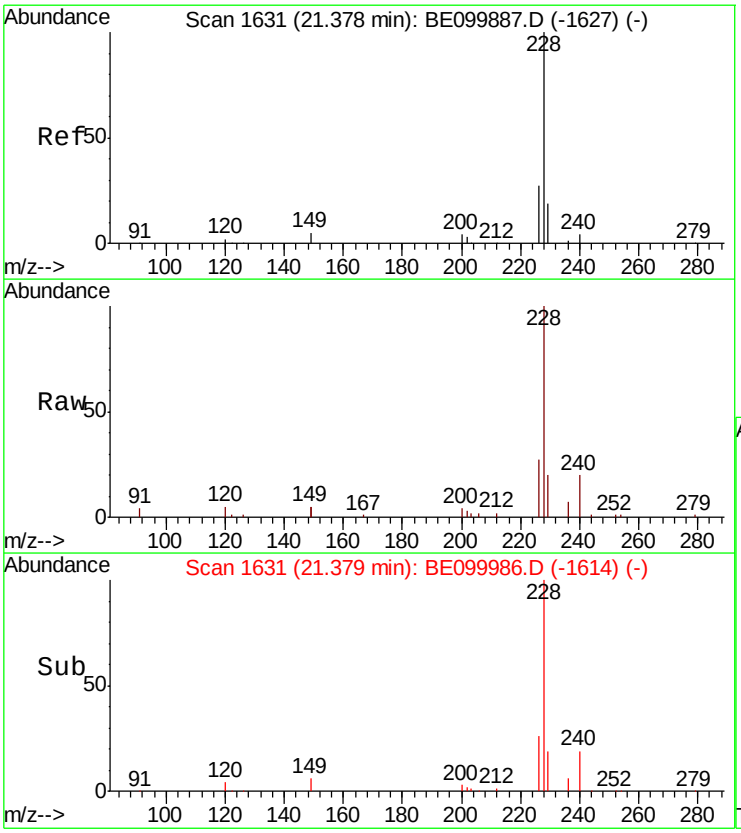
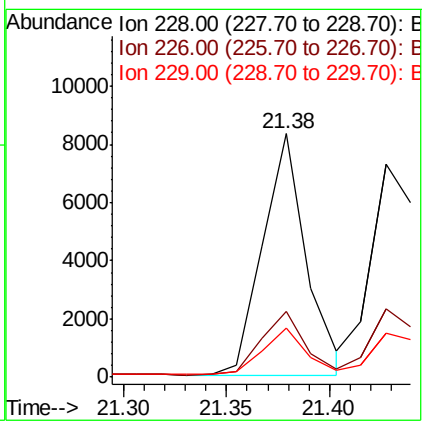
6/14/2019 8:45:37 AM

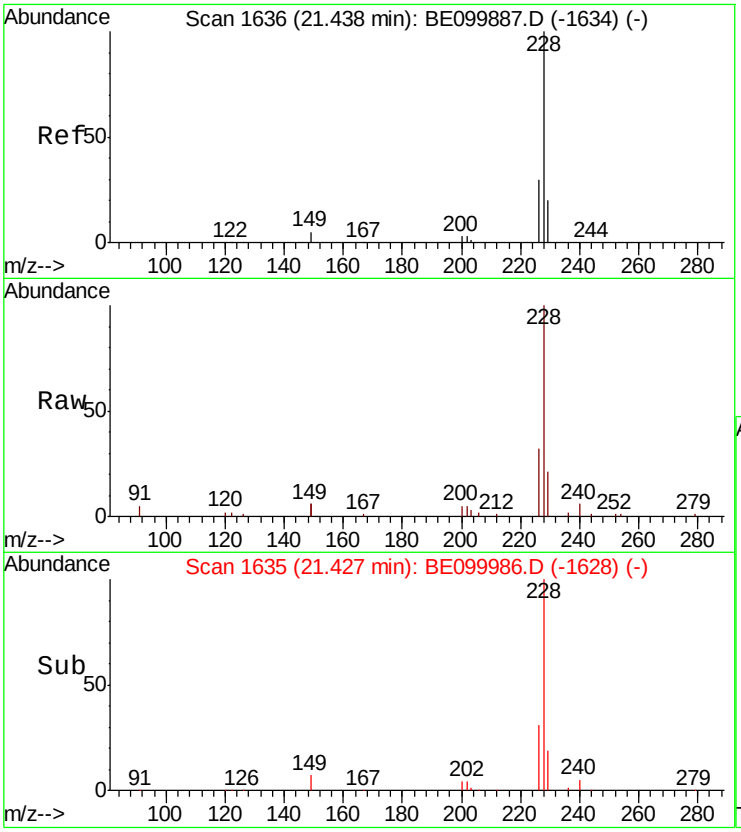


#30
Benzo(a)anthracene
Concen: 0.394 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:228 Resp: 12231

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.5	33.7
229	20.3	15.9	23.9

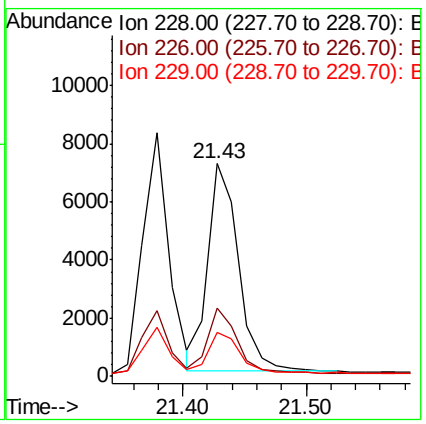




#31
Chrysene
Concen: 0.386 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:228 Resp: 12386

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.1	36.1
229	20.6	16.1	24.1



Instrument :
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ClientSampleId :
GW-02MSD

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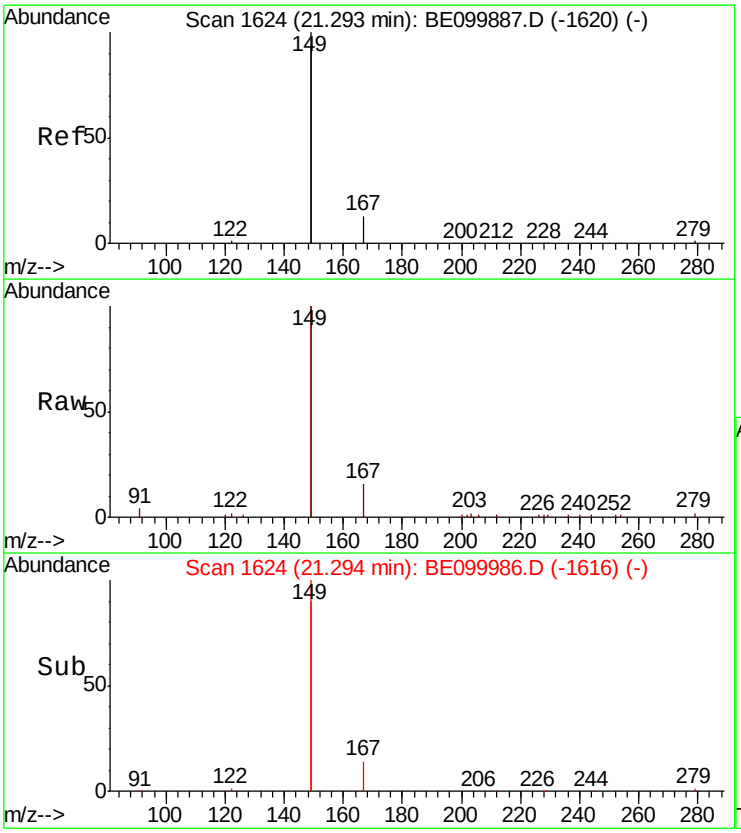
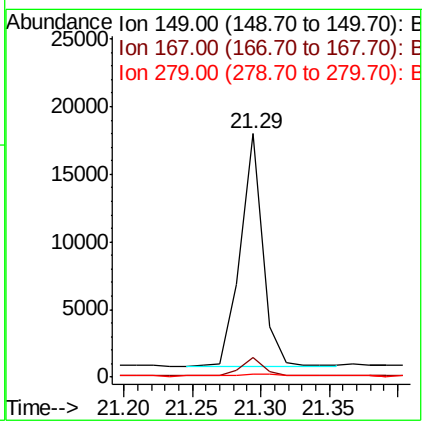
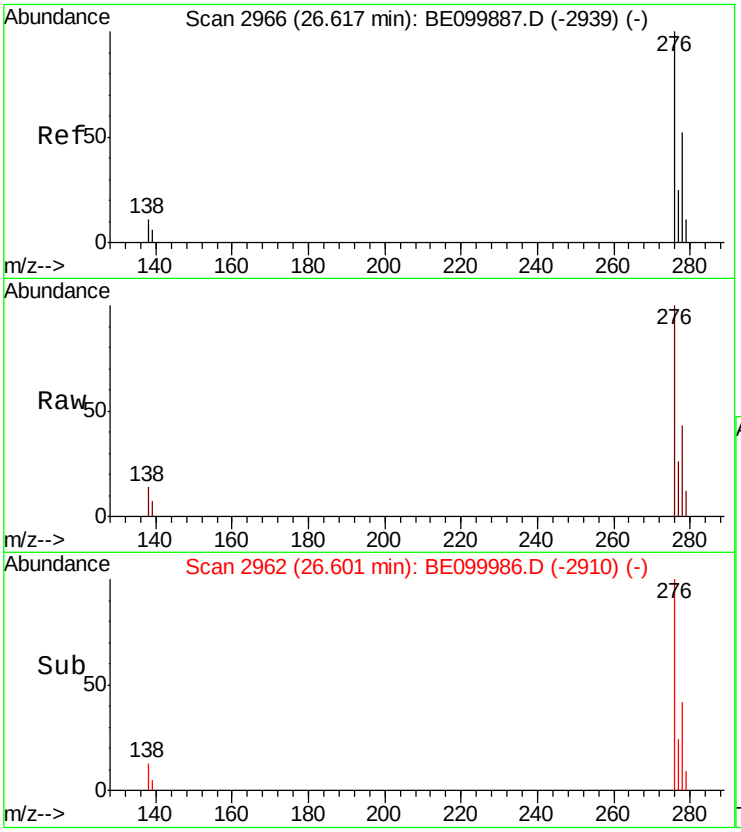


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.436 ng
RT: 21.29 min Scan# 1624
Delta R.T. 0.00 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:149 Resp: 19445

Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.9	8.9
279	1.4	1.2	1.8

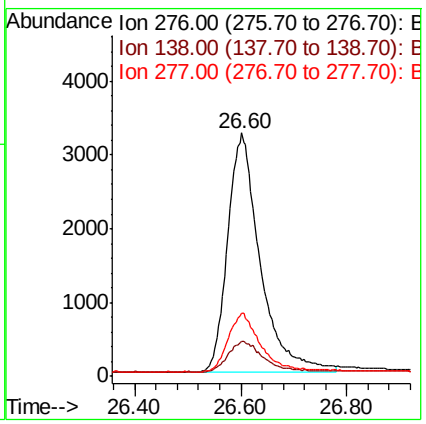




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.365 ng
RT: 26.60 min Scan# 2962
Delta R.T. -0.02 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:276 Resp: 13886

Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.1	15.1
277	23.8	19.1	28.7



Instrument :
BNA_E
ClientSampleId :
GW-02MSD

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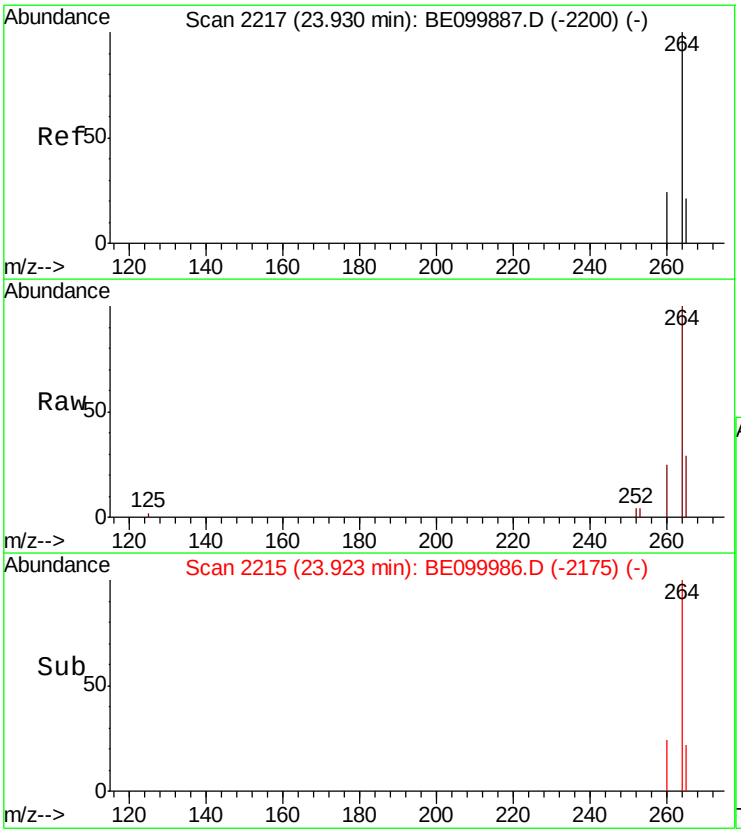
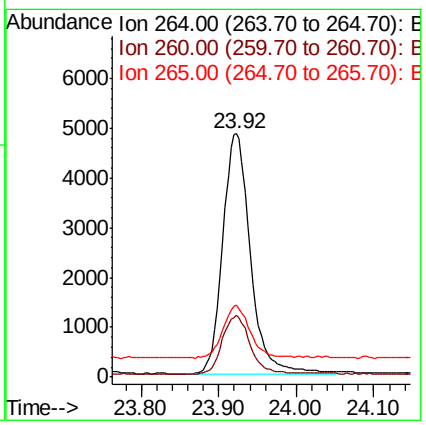
6/14/2019 8:45:37 AM

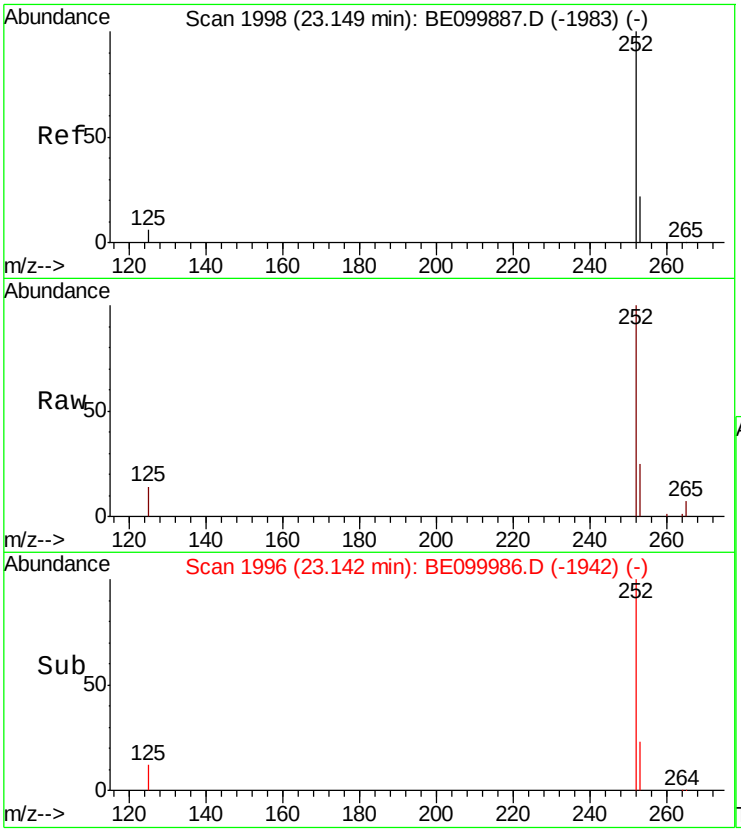


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:264 Resp: 11988

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.2	30.2
265	29.4	22.0	33.0





#35
Benzo(b)fluoranthene
Concen: 0.357 ng m
RT: 23.14 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:252 Resp: 11991

Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.7	28.1
125	13.7	5.7	8.5#

Instrument :
BNA_E
ClientSampleId :
GW-02MSD

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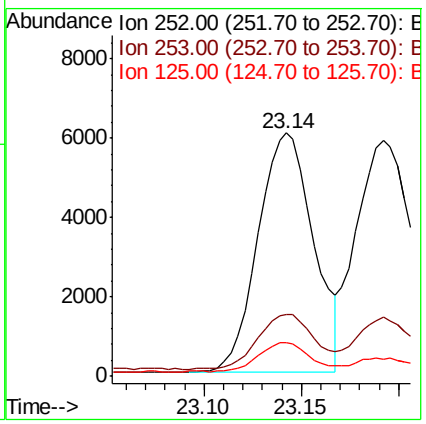
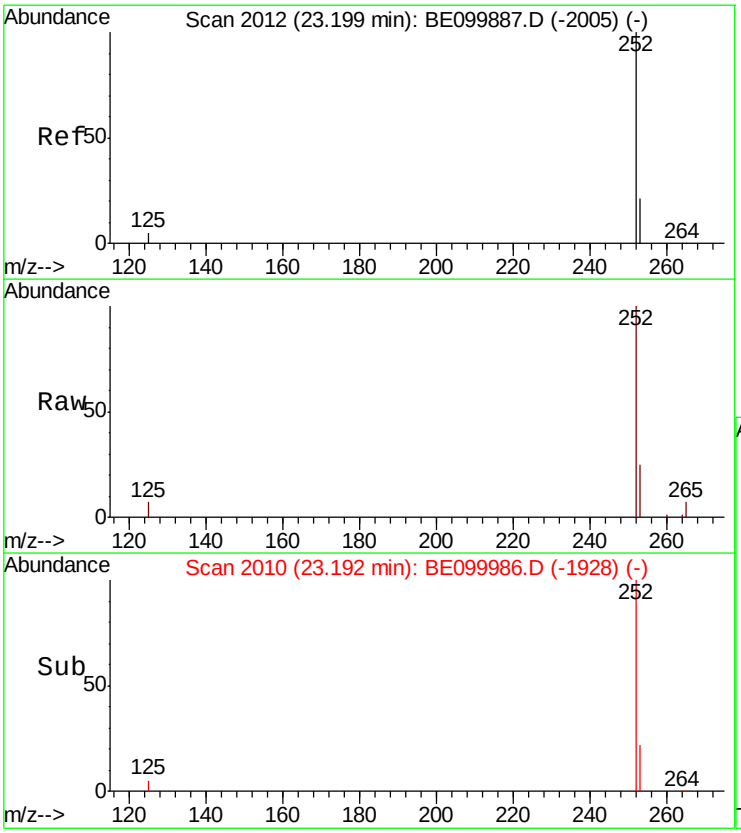
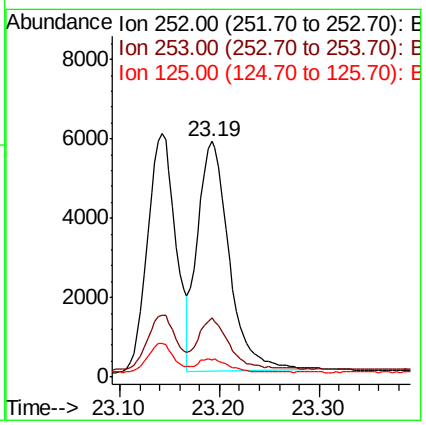


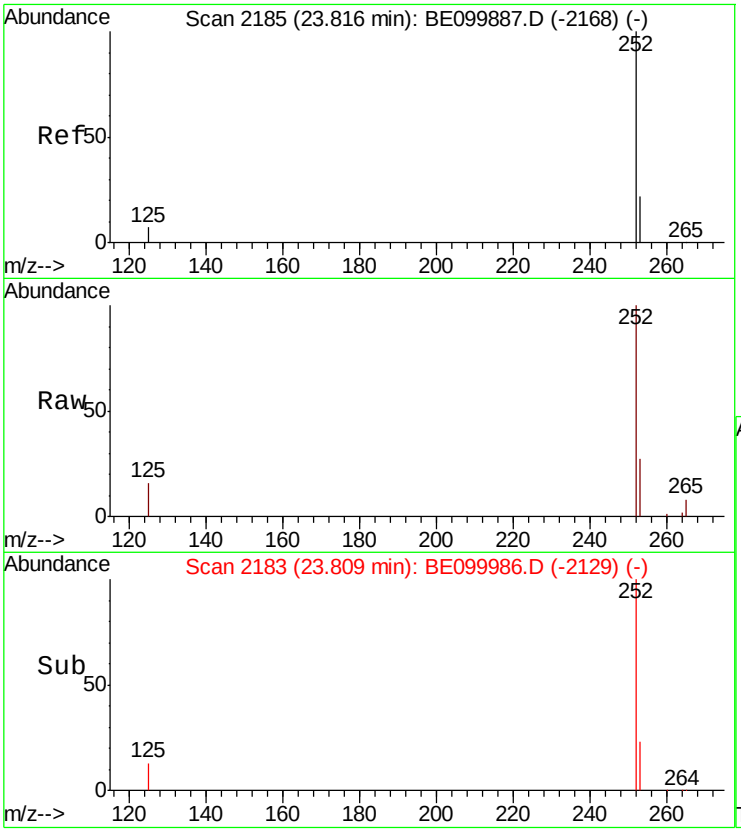


#36
Benzo(k)fluoranthene
Concen: 0.363 ng
RT: 23.19 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:252 Resp: 12767

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.6	28.0
125	7.5	5.4	8.0





#37
Benzo(a)pyrene
Concen: 0.369 ng
RT: 23.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:252 Resp: 12213

Ion	Ratio	Lower	Upper
252	100		
253	26.8	19.6	29.4
125	15.6	6.6	10.0#

Instrument :
BNA_E
ClientSampleId :
GW-02MSD

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mohammad
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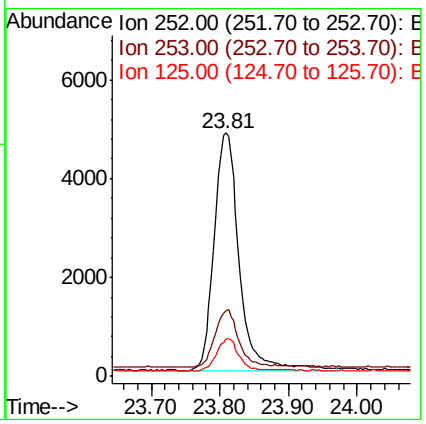
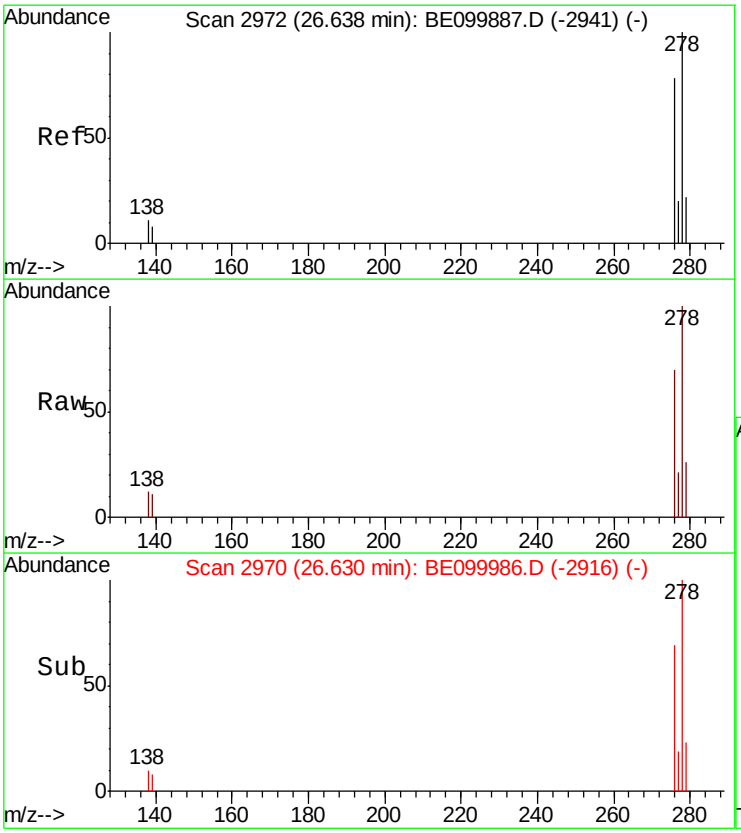
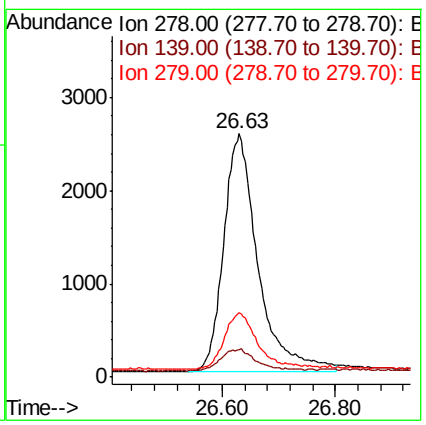


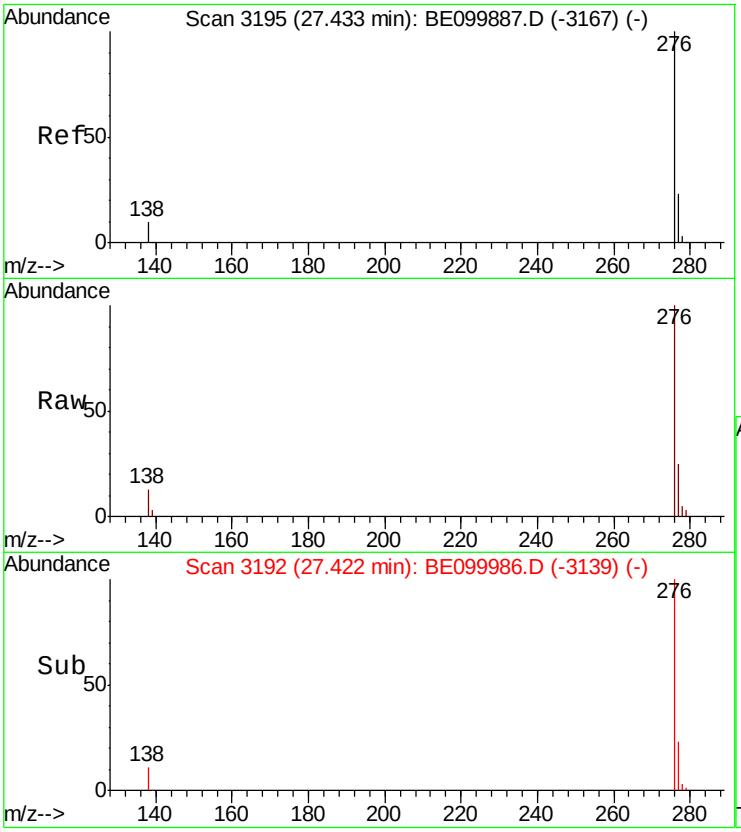


#38
Dibenzo(a,h)anthracene
Concen: 0.324 ng
RT: 26.63 min Scan# 2970
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:278 Resp: 10794

Ion	Ratio	Lower	Upper
278	100		
139	11.0	7.8	11.8
279	26.5	20.0	30.0

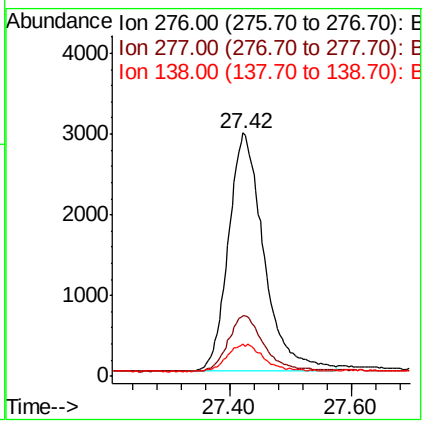




#39
Benzo(g,h,i)perylene
Concen: 0.349 ng
RT: 27.42 min Scan# 3192
Delta R.T. -0.01 min
Lab File: BE099986.D
Acq: 13 Jun 2019 12:57

Tgt Ion:276 Resp: 12010

Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.5	29.3
138	13.3	9.5	14.3



Instrument :
BNA_E
ClientSampleId :
GW-02MSD

Manual Integrations APPROVED
mohammad
6/14/2019 8:45:37 AM