Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050219\
Data File : BE099503.D
Acq On : 2 May 2019 21:08
Operator : JU/SJ
Sample : K2589-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519MSD

Manual Integrations APPROVED
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Quant Time: May 03 05:12:11 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	7.80	152	2137	0.40	ng		-0.01
7) Naphthalene-d8	10.60	136	7460	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	5190	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	16987	0.40	ng		0.00
27) Chrysene-d12	21.37	240	25246	0.40	ng		0.00
34) Perylene-d12	23.87	264	29277	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	1636	0.28	ng		0.00
5) Phenol-d6	6.96	99	2426	0.31	ng		-0.01
8) Nitrobenzene-d5	8.96	82	1945	0.28	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	3232m	0.24	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	1025	0.31	ng		0.00
15) 2-Fluorobiphenyl	13.07	172	4752	0.24	ng		-0.02
25) Fluoranthene-d10	19.22	212	57773	0.25	ng		0.00
29) Terphenyl-d14	19.82	244	12901	0.28	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	758	0.258	ng	#	85
3) n-Nitrosodimethylamine	3.62	42	491	0.277	ng	#	76
6) bis(2-Chloroethyl)ether	7.23	93	1844	0.272	ng		95
9) Naphthalene	10.65	128	48188	0.593	ng		100
10) Hexachlorobutadiene	10.93	225	1416	0.250	ng		99
12) 2-Methylnaphthalene	12.27	142	28094	1.987	ng		95
16) Acenaphthylene	14.18	152	15675	0.617	ng		98
17) Acenaphthene	14.51	154	4753	0.328	ng		98
18) Fluorene	15.49	166	9717	0.454	ng		96
20) 4-Bromophenyl-phenylether	16.39	248	2494	0.252	ng		96
21) Hexachlorobenzene	16.49	284	2454	0.260	ng		98
22) Pentachlorophenol	16.84	266	3169	0.775	ng		99
23) Phenanthrene	17.23	178	40911	0.933	ng		99
24) Anthracene	17.32	178	15337	0.367	ng		98
26) Fluoranthene	19.25	202	69801	1.063	ng		100
28) Pyrene	19.61	202	69947	1.063	ng		97
30) Benzo(a)anthracene	21.35	228	57469	0.714	ng		96
31) Chrysene	21.40	228	53589	0.681	ng		98
32) Bis(2-ethylhexyl)phthalate	21.27	149	53861	0.403	ng		99
33) Indeno(1,2,3-cd)pyrene	26.52	276	49538	0.532	ng		99
35) Benzo(b)fluoranthene	23.10	252	62619	0.742	ng	#	94
36) Benzo(k)fluoranthene	23.15	252	40173	0.493	ng	#	95
37) Benzo(a)pyrene	23.76	252	52368	0.656	ng	#	98
38) Dibenzo(a,h)anthracene	26.54	278	28115	0.344	ng		98
39) Benzo(g,h,i)perylene	27.34	276	46116	0.564	ng		99

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

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Acq On : 2 May 2019 21:08
Operator : JU/SJ
Sample : K2589-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 03 05:12:11 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

Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519MSD

Manual Integrations APPROVED
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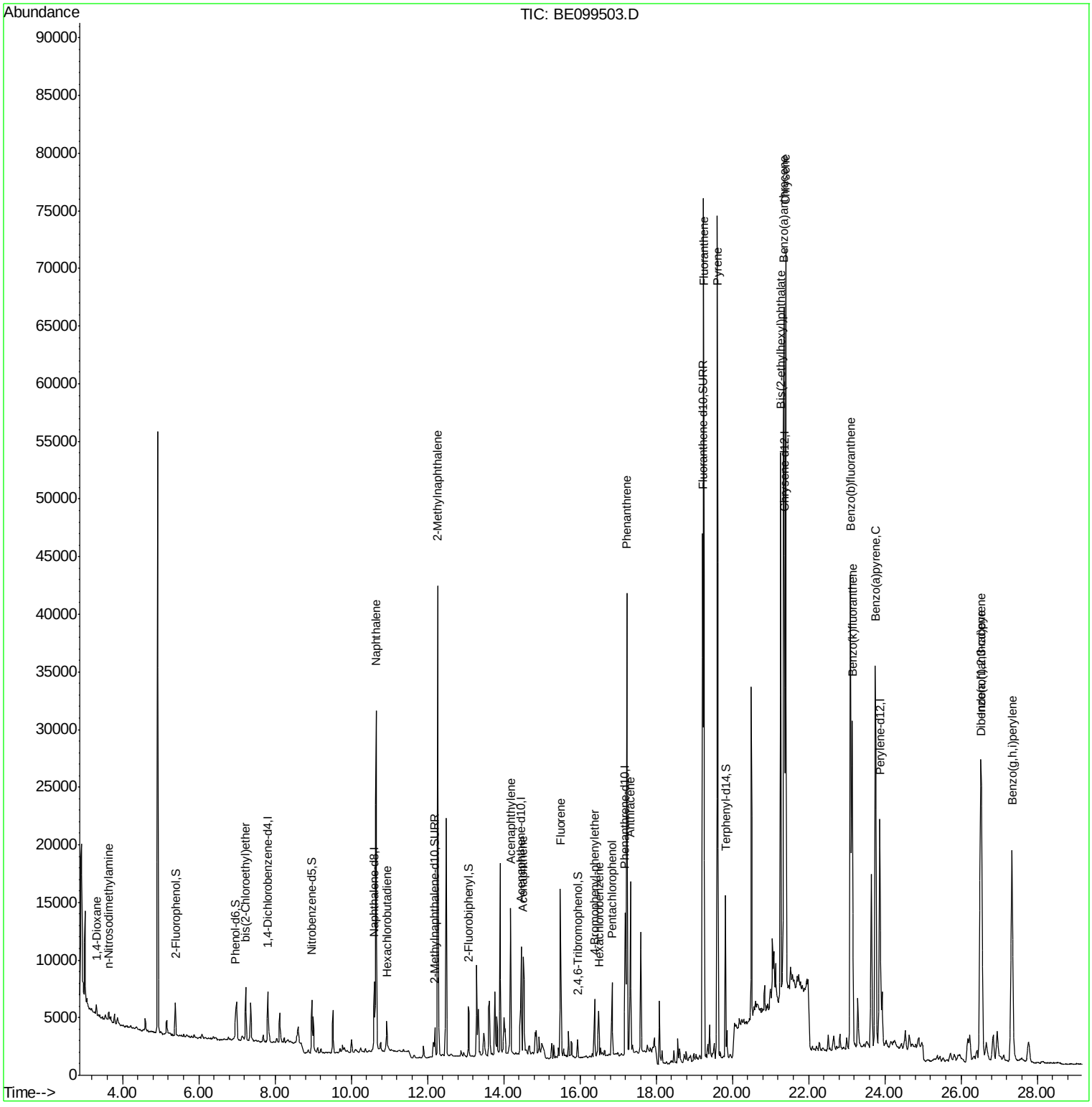
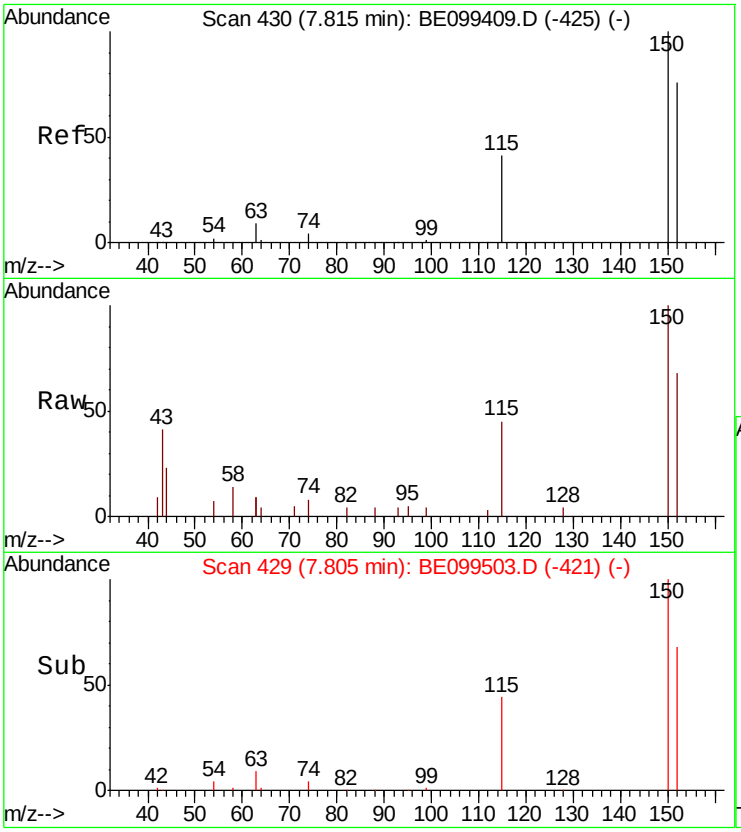
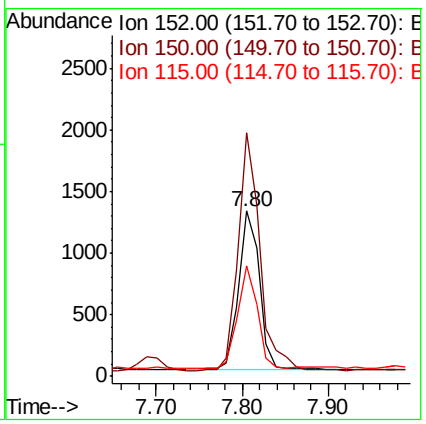




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:152 Resp: 2137

Ion	Ratio	Lower	Upper
152	100		
150	147.1	104.8	157.2
115	66.4	46.6	69.8



Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519MSD

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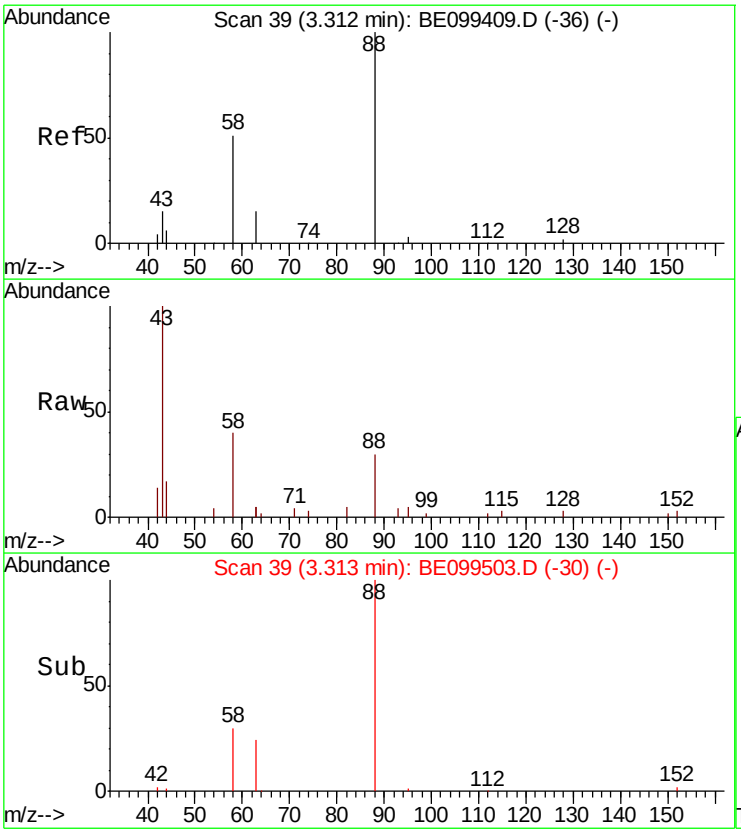
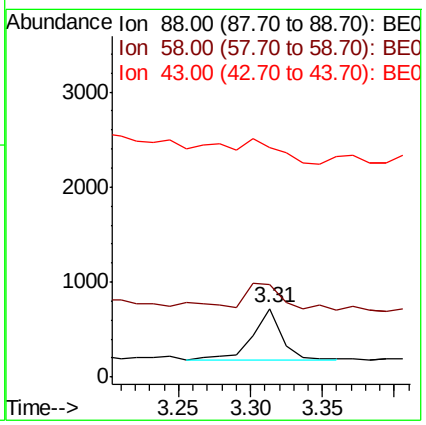
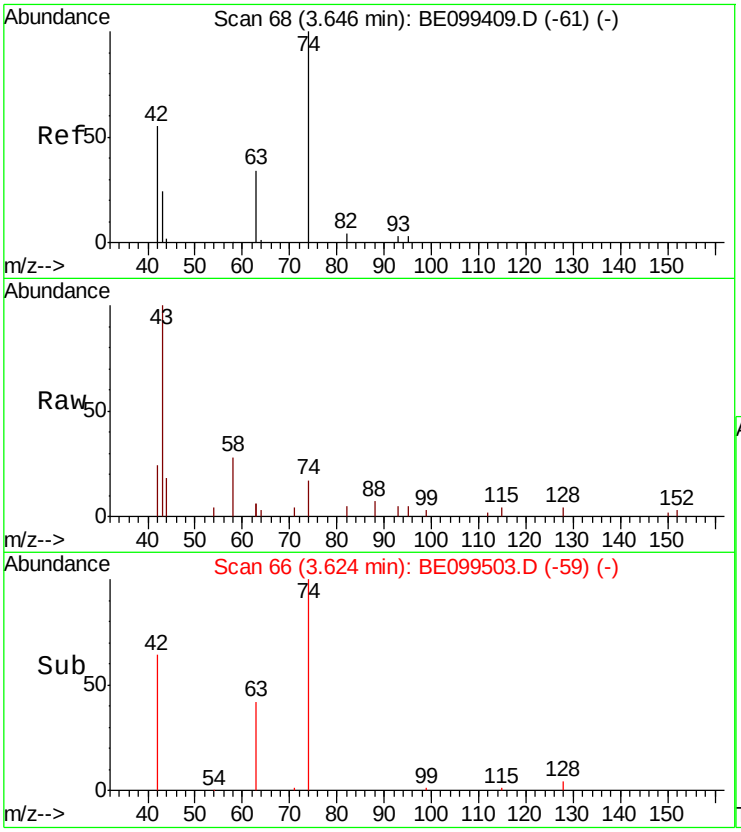


#2
1,4-Dioxane
Concen: 0.258 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion: 88 Resp: 758

Ion	Ratio	Lower	Upper
88	100		
58	63.3	51.0	76.6
43	0.0	20.6	30.8#

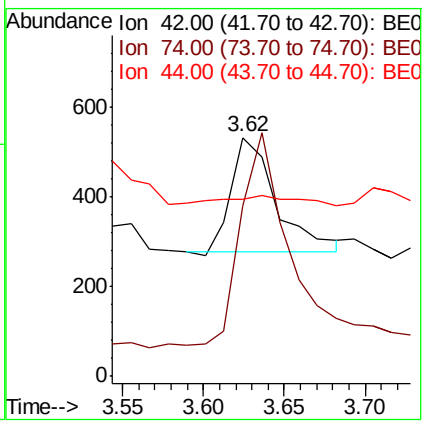




#3
n-Nitrosodimethylamine
Concen: 0.277 ng
RT: 3.62 min Scan# 66
Delta R.T. -0.02 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion: 42 Resp: 491

Ion	Ratio	Lower	Upper
42	100		
74	210.2	141.6	212.4
44	14.3	0.0	0.0#



Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519MSD

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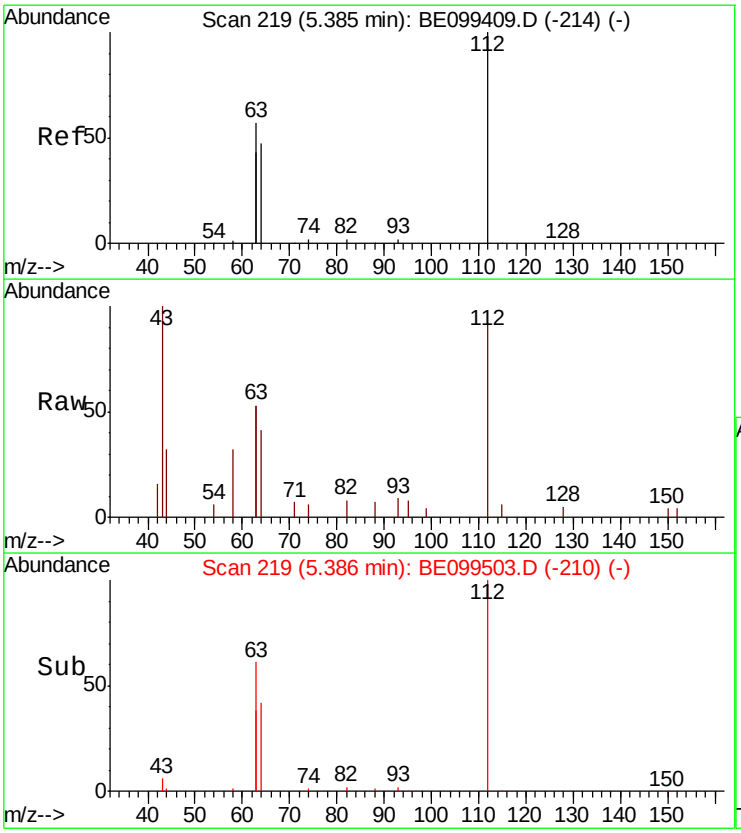
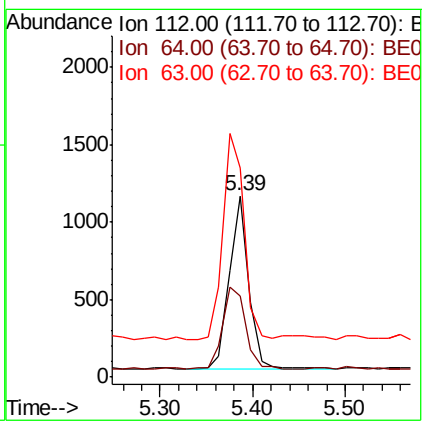
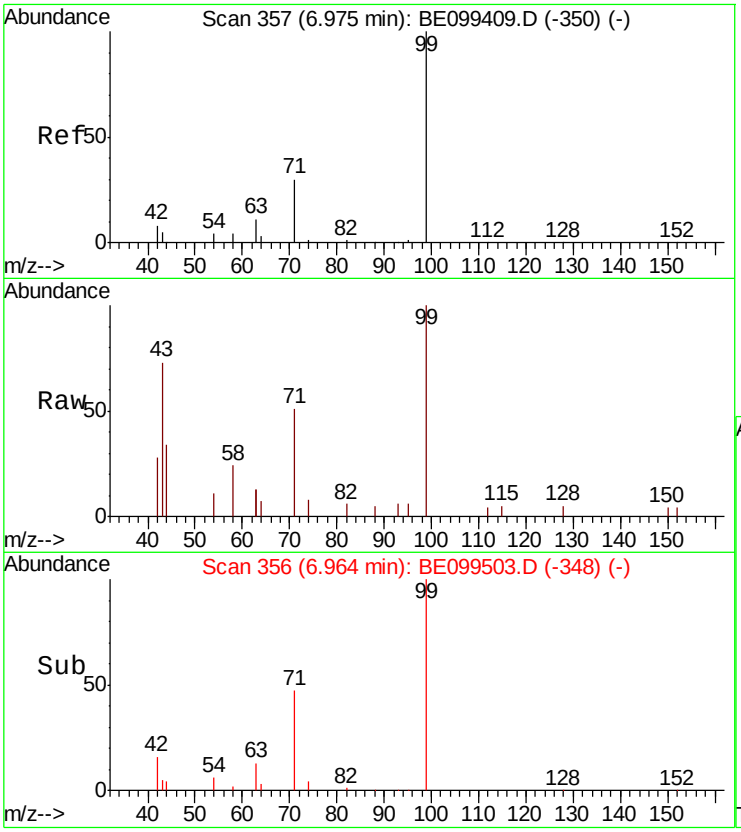


#4
2-Fluorophenol
Concen: 0.277 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:112 Resp: 1636

Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.4	71.0
63	127.8	104.3	156.5

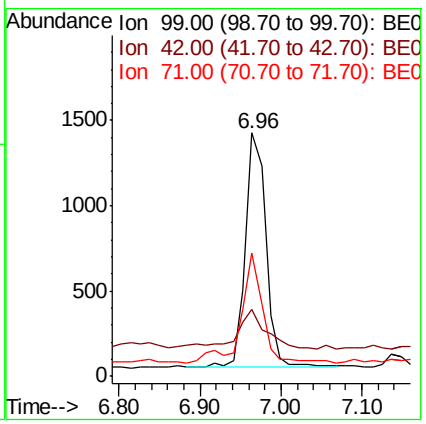




#5
Phenol-d6
Concen: 0.309 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion: 99 Resp: 2426

Ion	Ratio	Lower	Upper
99	100		
42	23.4	14.9	22.3#
71	49.0	33.0	49.6



Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519MSD

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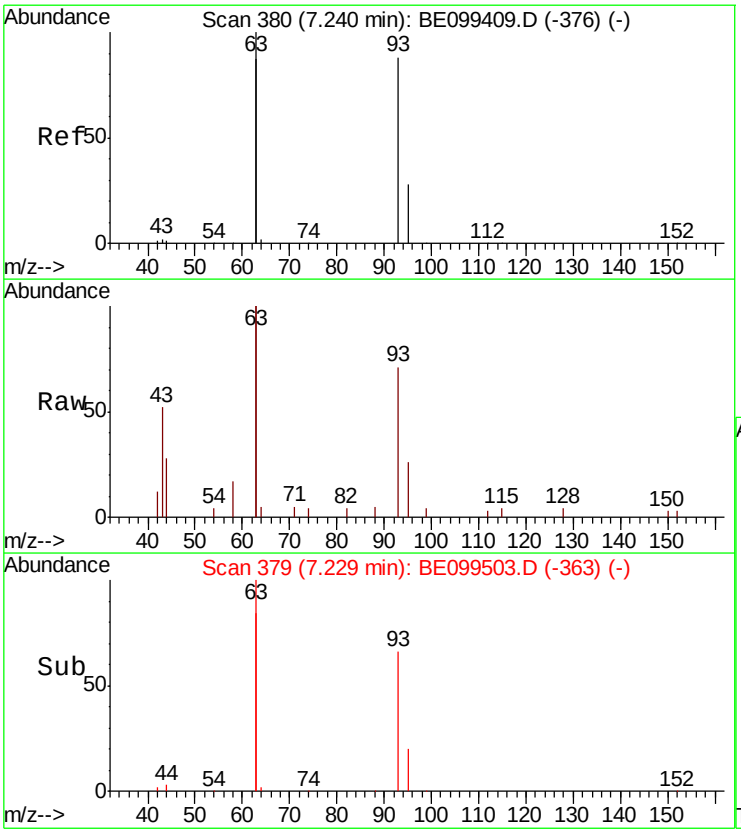
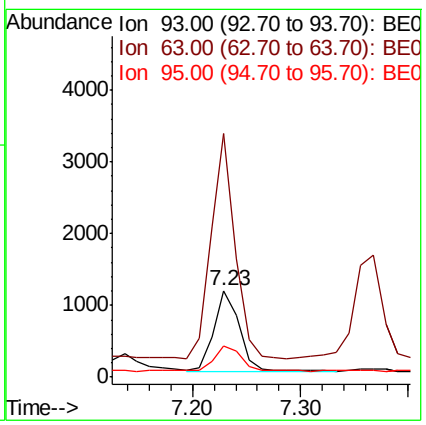
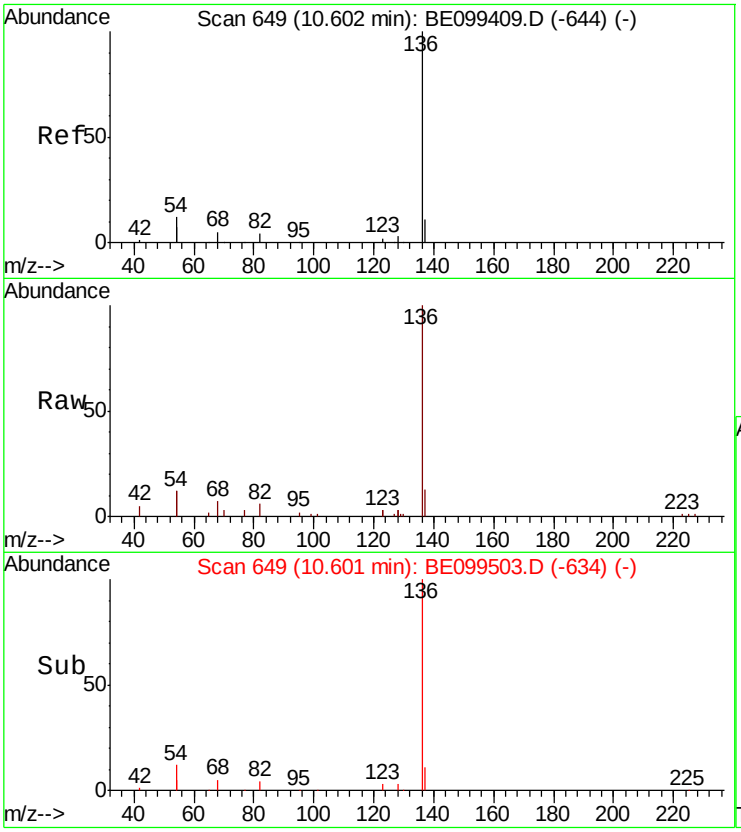


#6
bis(2-Chloroethyl)ether
Concen: 0.272 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion: 93 Resp: 1844

Ion	Ratio	Lower	Upper
93	100		
63	259.8	215.6	323.4
95	36.1	26.2	39.2

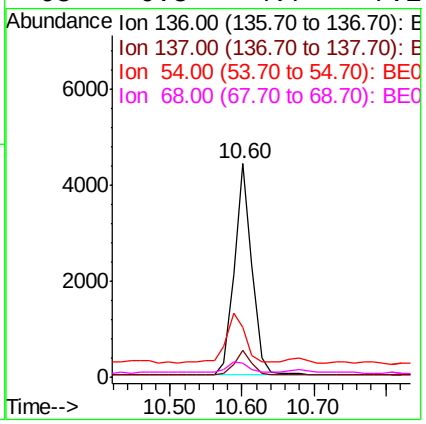




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:136 Resp: 7460

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.8	14.8
54	23.4	18.5	27.7
68	6.8	4.7	7.1



Instrument :
BNA_E
ClientSampleId :
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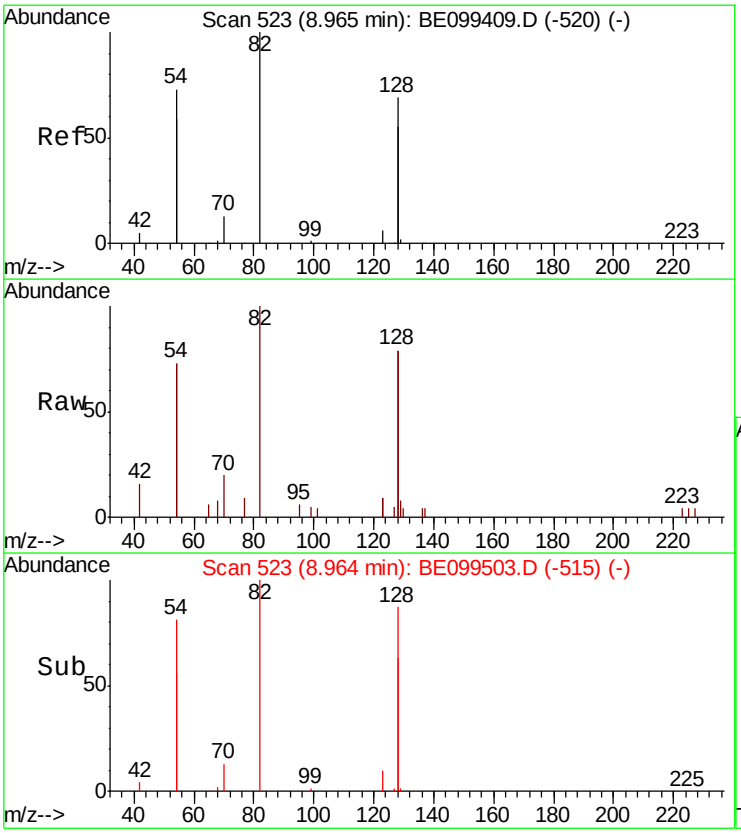
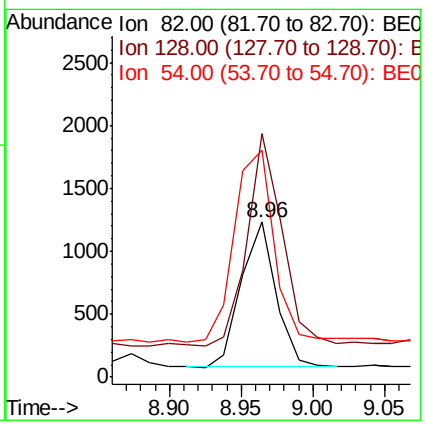
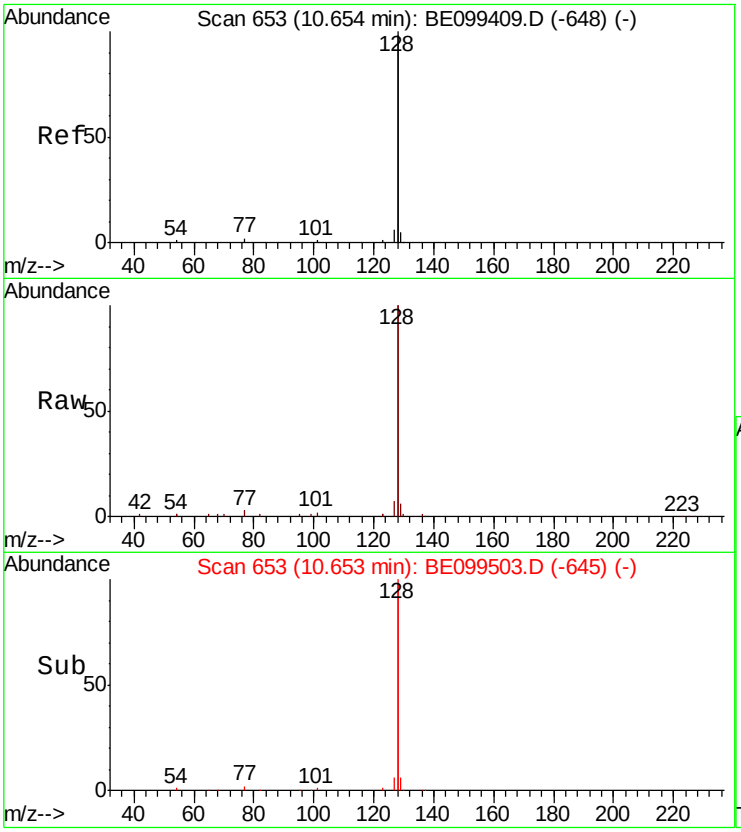


#8
Nitrobenzene-d5
Concen: 0.278 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion: 82 Resp: 1945

Ion	Ratio	Lower	Upper
82	100		
128	157.0	107.0	160.4
54	146.1	113.1	169.7

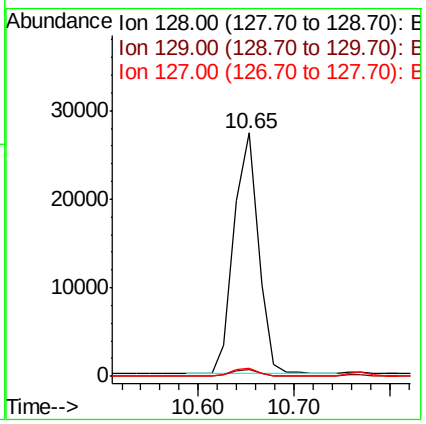




#9
Naphthalene
Concen: 0.593 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:128 Resp: 48188

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.3	2.8	4.2



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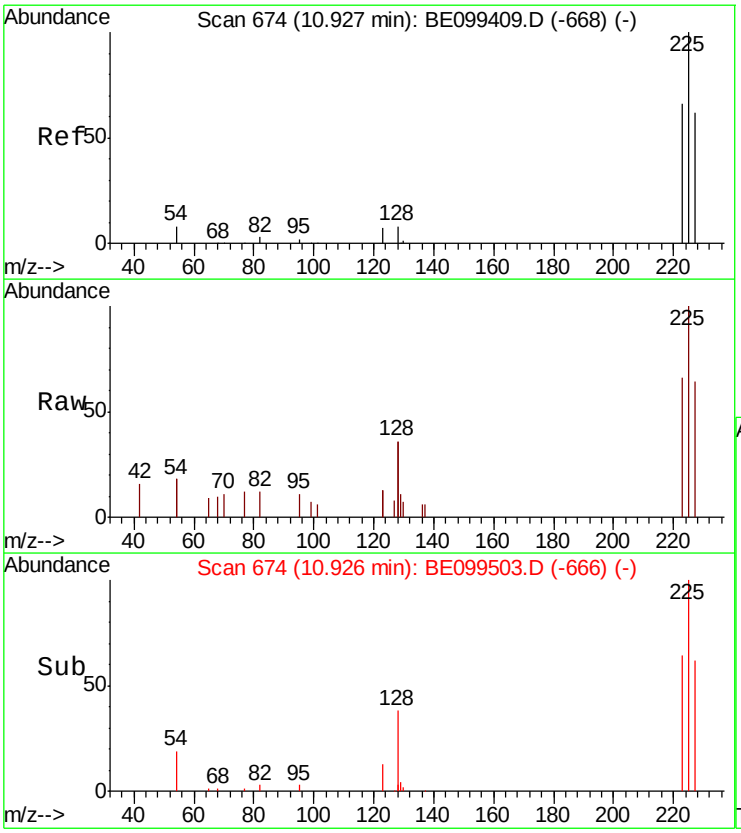
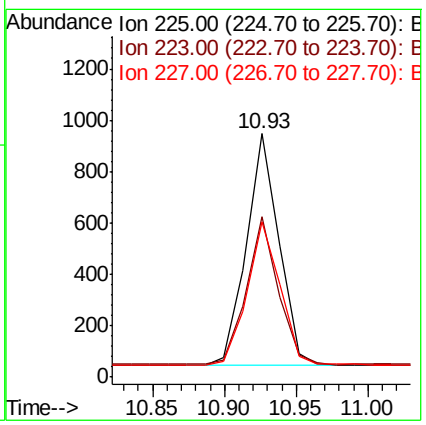
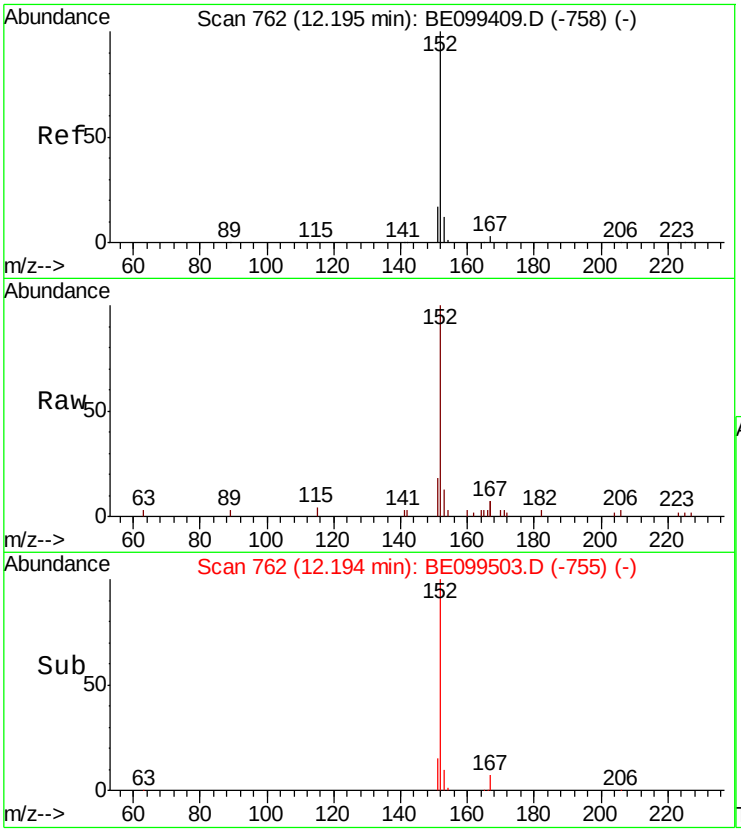


#10
Hexachlorobutadiene
Concen: 0.250 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:225 Resp: 1416

Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.0	76.6
227	63.3	50.9	76.3

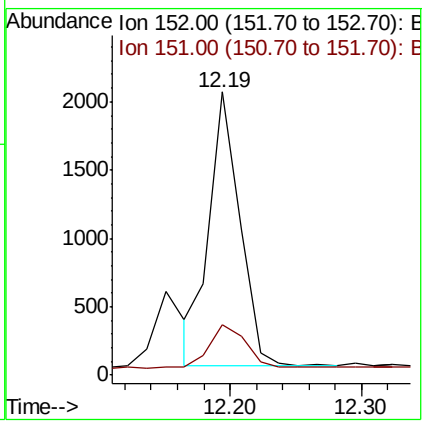




#11
2-Methylnaphthalene-d10
Concen: 0.240 ng m
RT: 12.19 min Scan# 762
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:152 Resp: 3232

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.5	23.3



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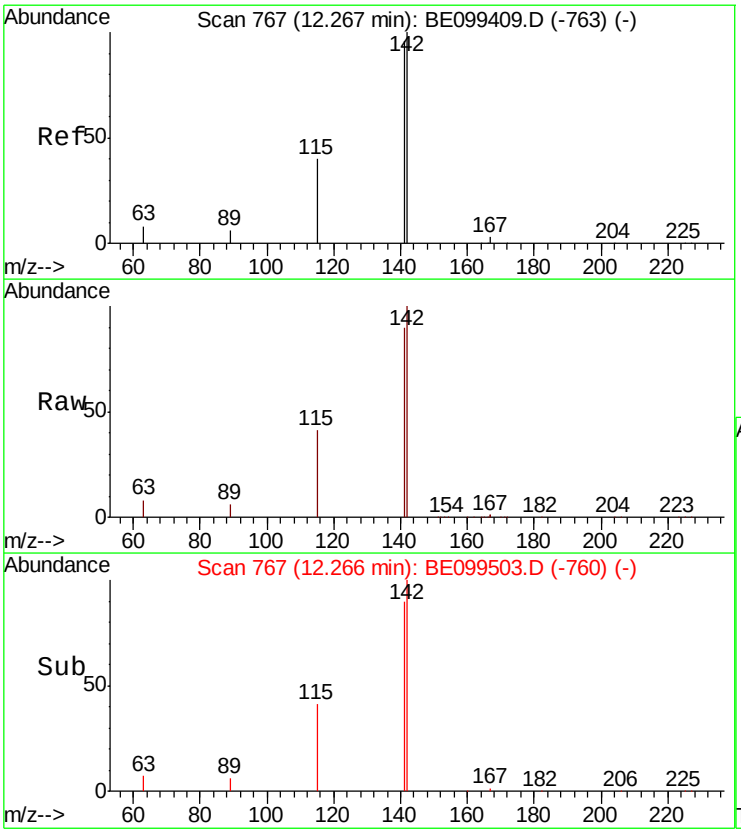
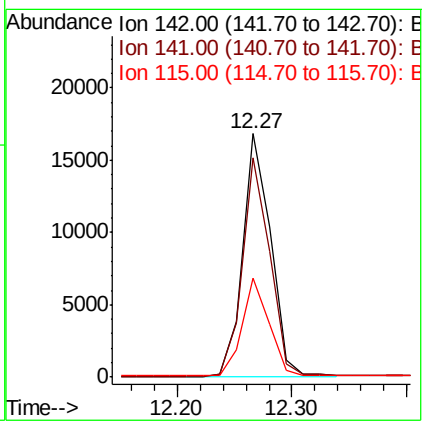
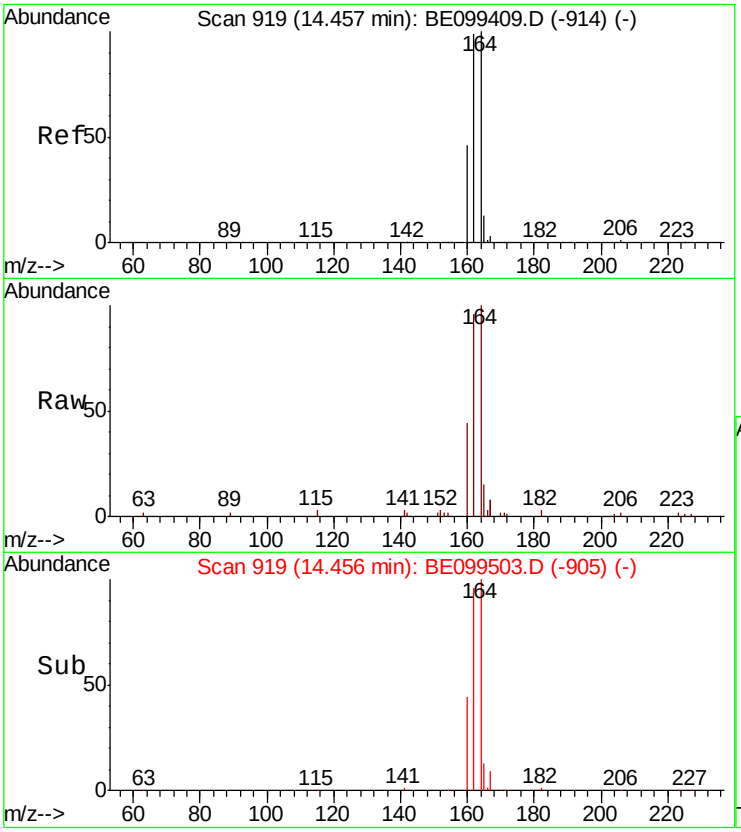


#12
2-Methylnaphthalene
Concen: 1.987 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:142 Resp: 28094

Ion	Ratio	Lower	Upper
142	100		
141	90.0	77.0	115.4
115	40.9	33.4	50.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:164 Resp: 5190

Ion	Ratio	Lower	Upper
164	100		
162	96.2	79.0	118.4
160	44.5	37.0	55.4

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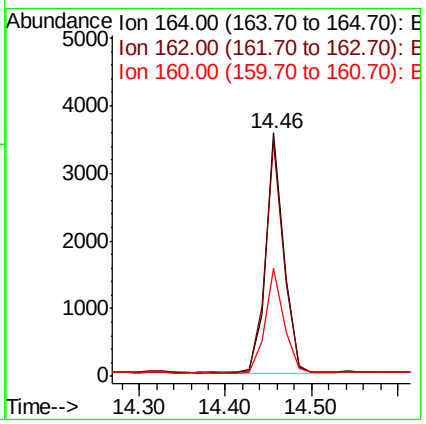
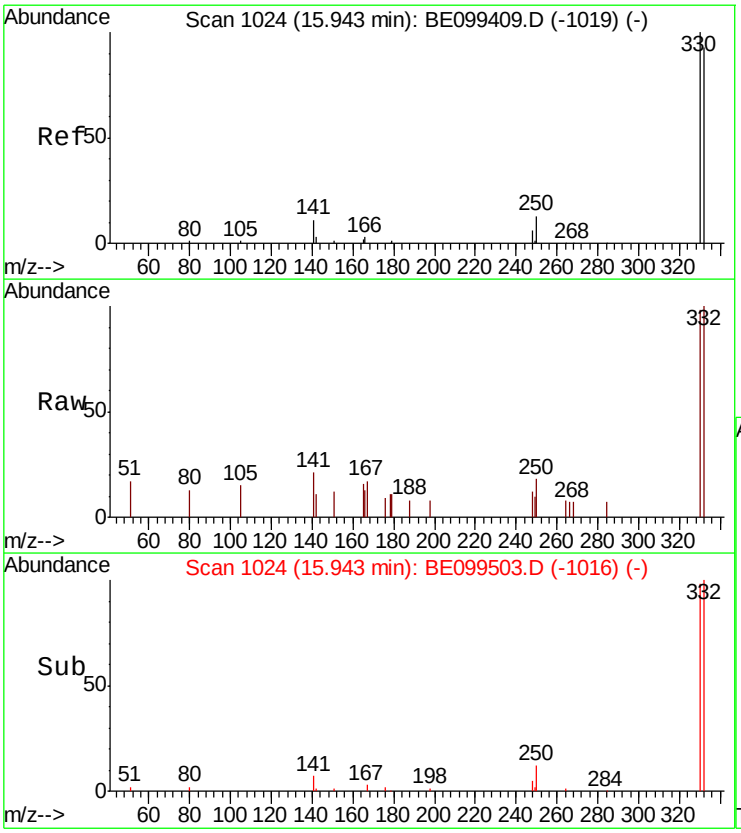
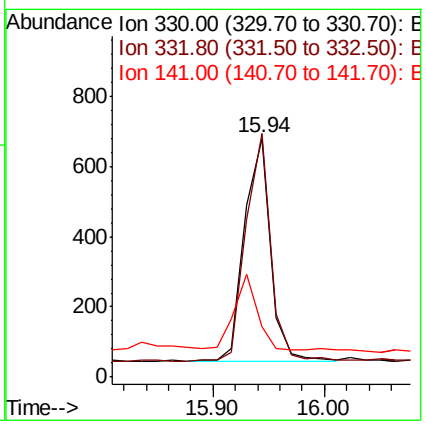


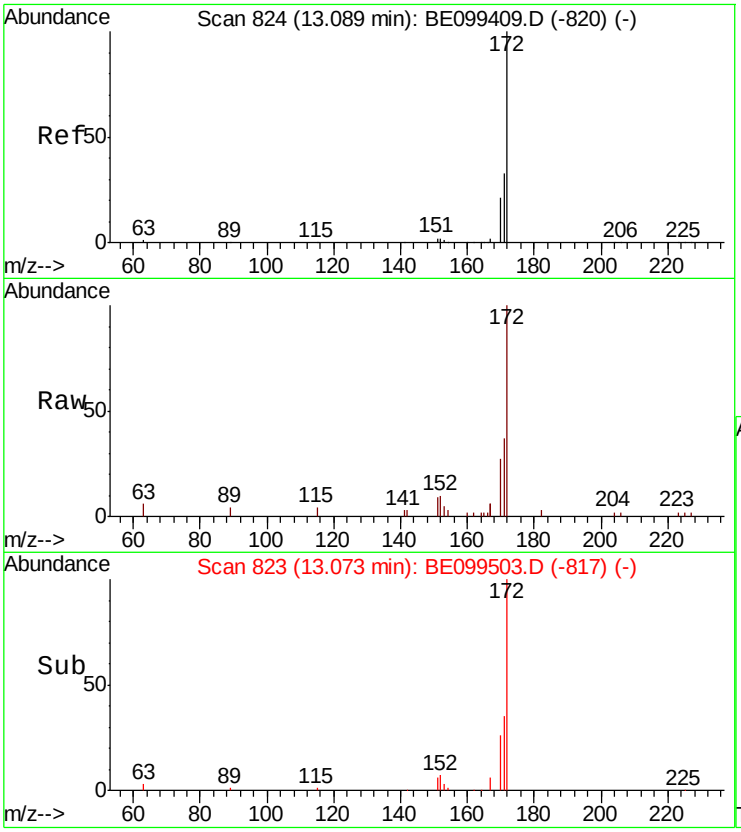


#14
2,4,6-Tribromophenol
Concen: 0.314 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:330 Resp: 1025

Ion	Ratio	Lower	Upper
330	100		
332	98.4	71.5	107.3
141	29.3	24.0	36.0

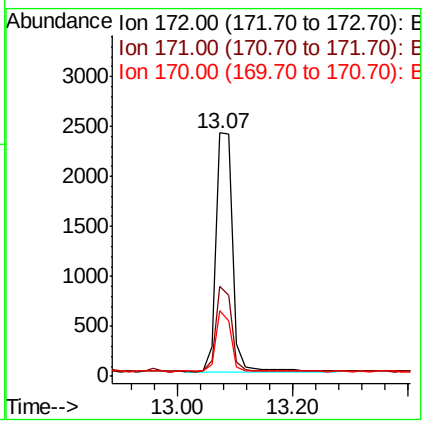




#15
2-Fluorobiphenyl
Concen: 0.240 ng
RT: 13.07 min Scan# 823
Delta R.T. -0.02 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:172 Resp: 4752

Ion	Ratio	Lower	Upper
172	100		
171	36.8	26.6	39.8
170	27.1	17.0	25.6#



Instrument :
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Manual Integrations APPROVED
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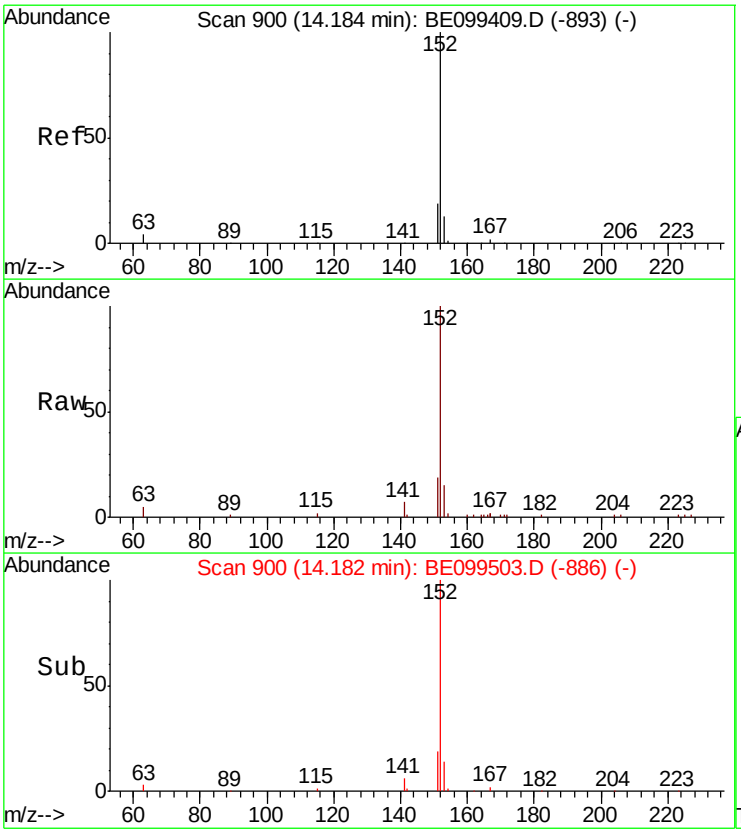
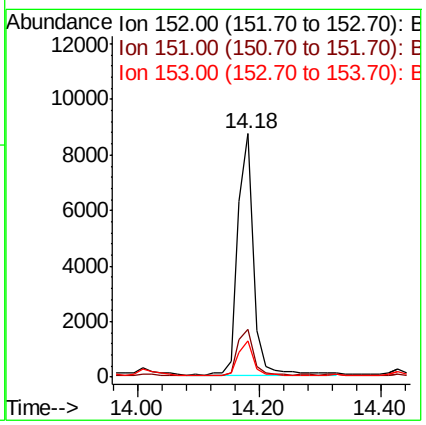
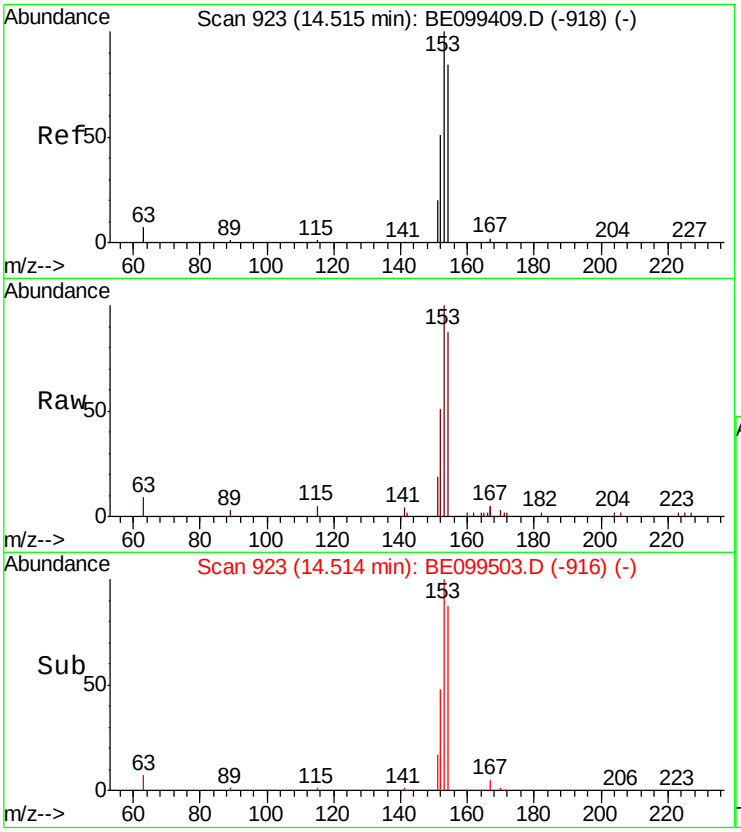


#16
Acenaphthylene
Concen: 0.617 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:152 Resp: 15675

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2
153	13.7	9.8	14.6

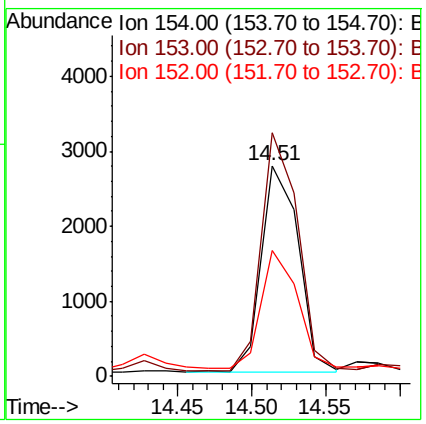




#17
Acenaphthene
Concen: 0.328 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:154 Resp: 4753

Ion	Ratio	Lower	Upper
154	100		
153	113.7	92.6	138.8
152	54.9	45.8	68.8



Instrument :
BNA_E
ClientSampleId :
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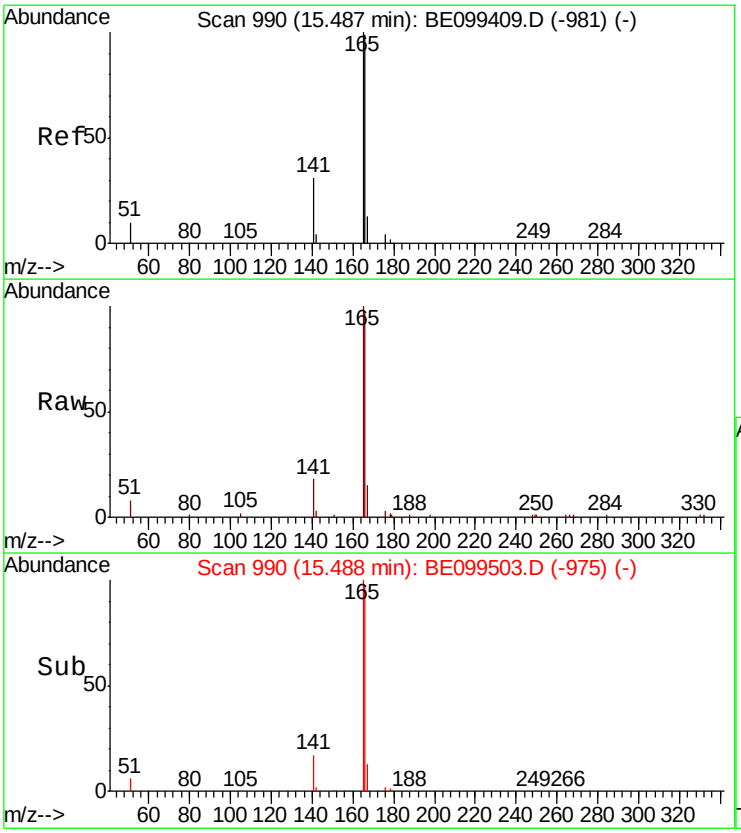
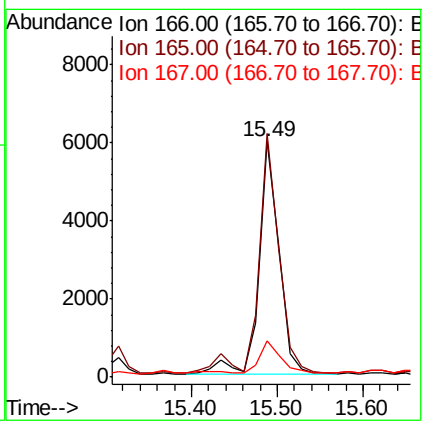
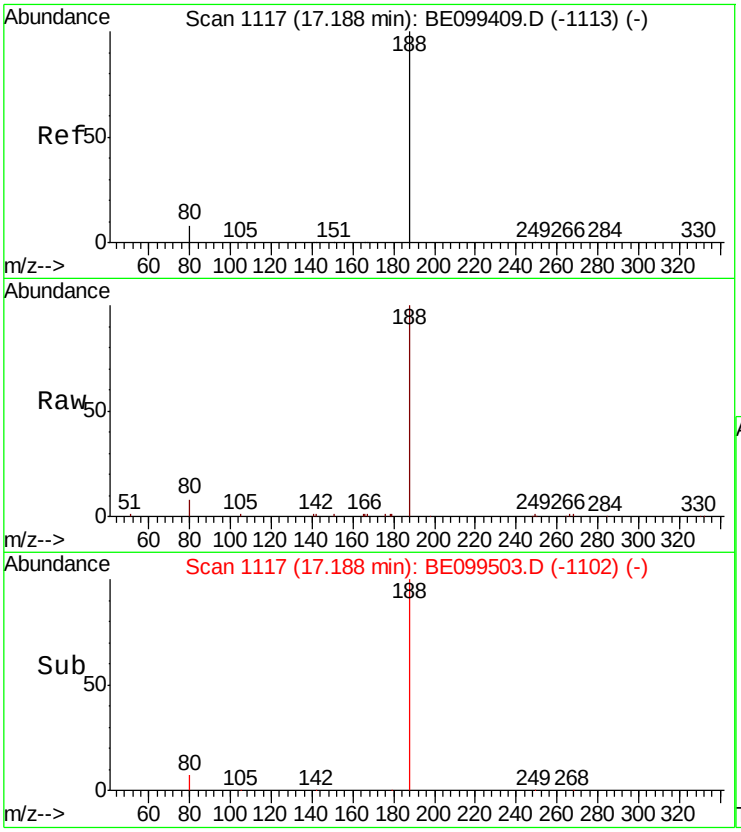


#18
Fluorene
Concen: 0.454 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:166 Resp: 9717

Ion	Ratio	Lower	Upper
166	100		
165	104.7	80.3	120.5
167	14.1	10.7	16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:188 Resp: 16987

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	6.7	10.1

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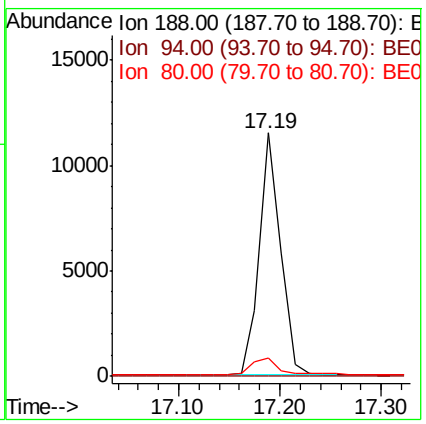
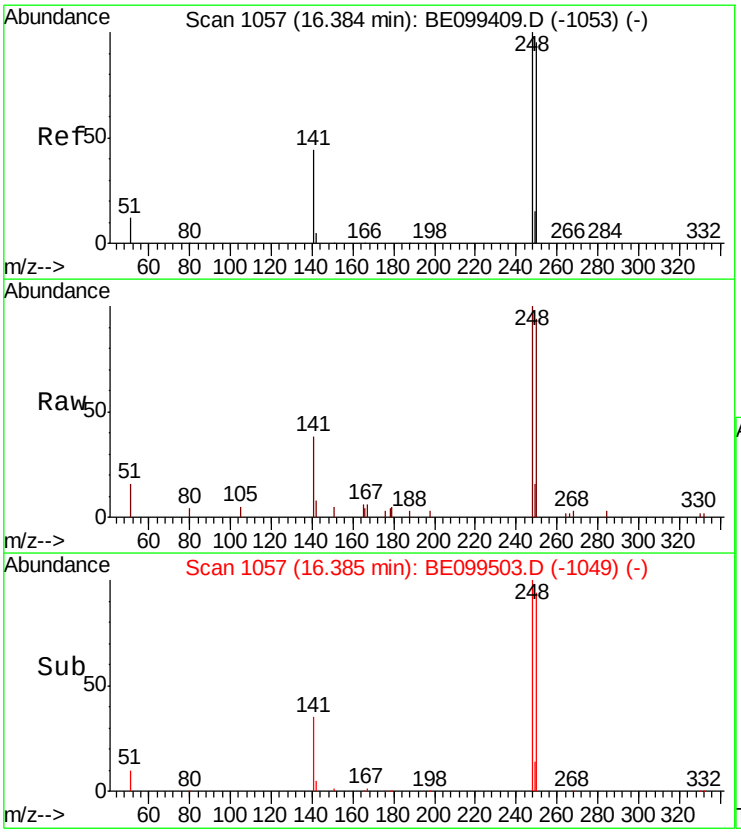
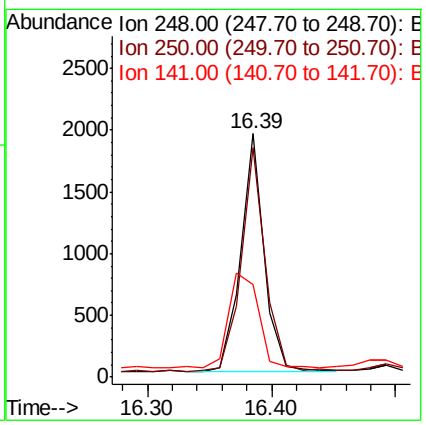


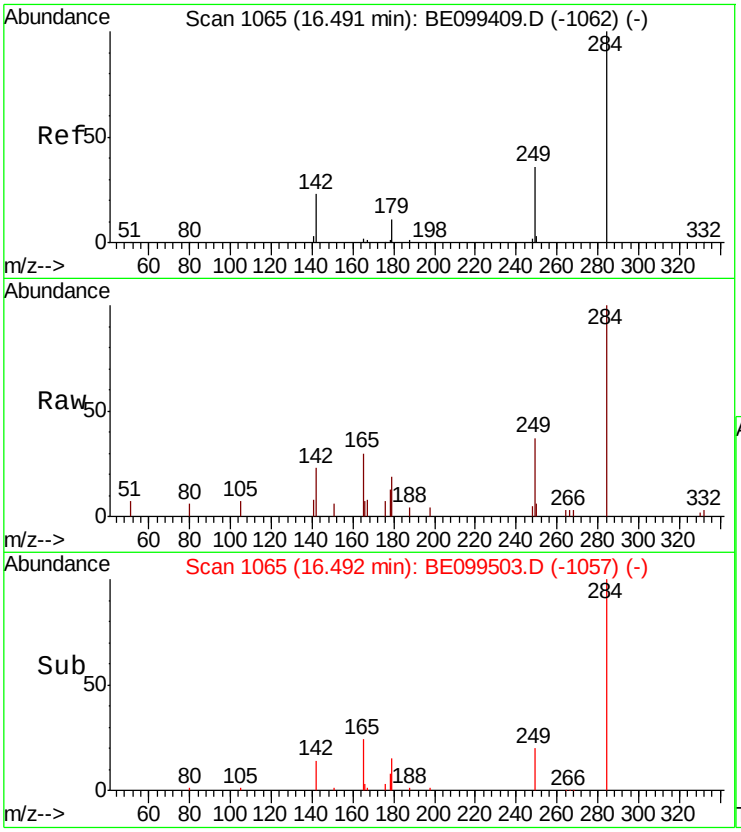


#20
4-Bromophenyl-phenylether
Concen: 0.252 ng
RT: 16.39 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:248 Resp: 2494

Ion	Ratio	Lower	Upper
248	100		
250	94.2	75.8	113.8
141	38.3	35.7	53.5

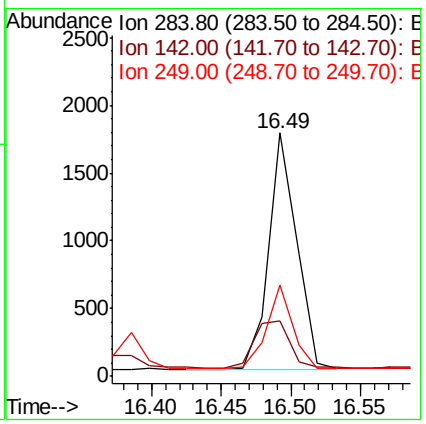




#21
Hexachlorobenzene
Concen: 0.260 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:284 Resp: 2454

Ion	Ratio	Lower	Upper
284	100		
142	24.8	21.0	31.6
249	33.2	26.7	40.1



Instrument :
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ClientSampleId :
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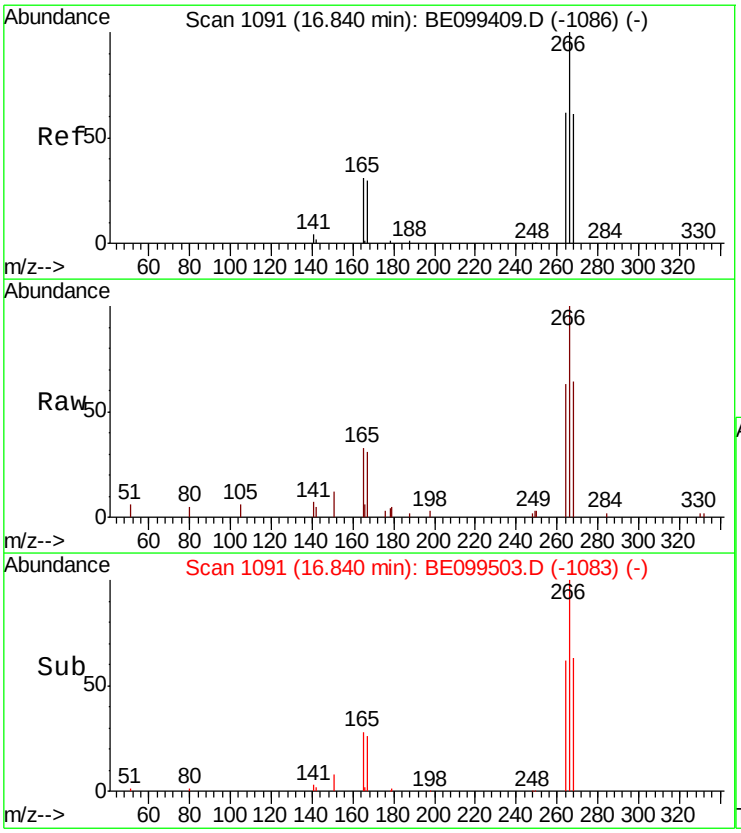
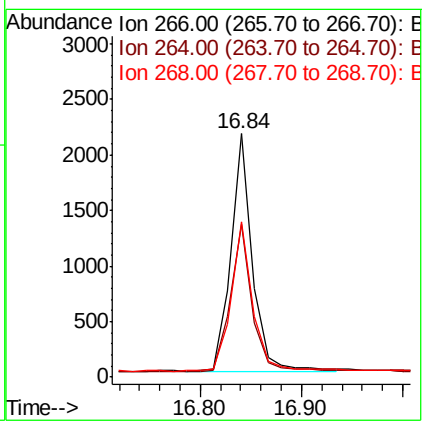
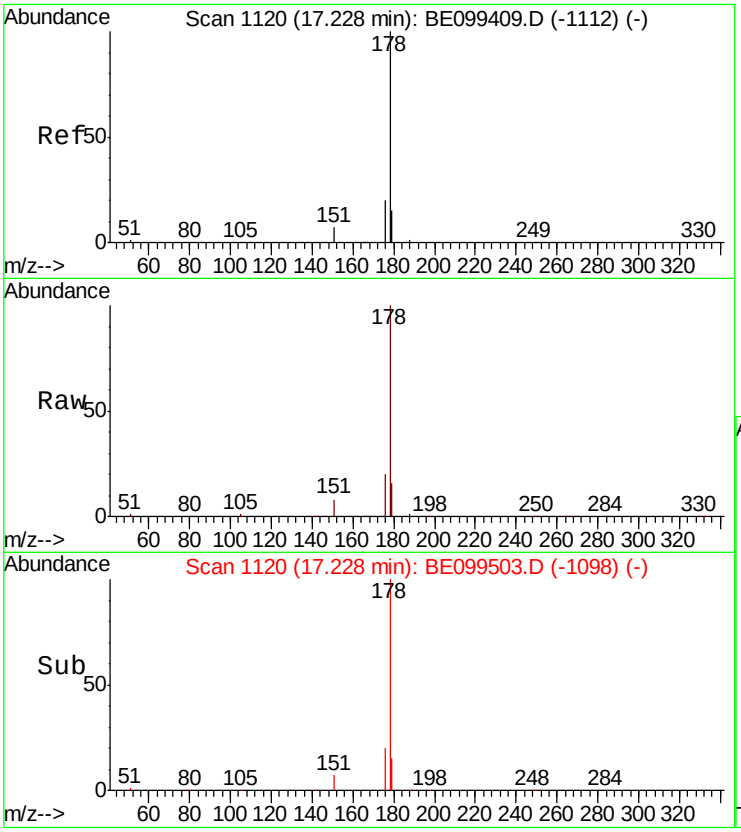


#22
Pentachlorophenol
Concen: 0.775 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:266 Resp: 3169

Ion	Ratio	Lower	Upper
266	100		
264	62.7	50.8	76.2
268	63.7	50.5	75.7





#23
Phenanthrene
Concen: 0.933 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:178 Resp: 40911

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.5	12.0	18.0

Instrument :
BNA_E
ClientSampleId :
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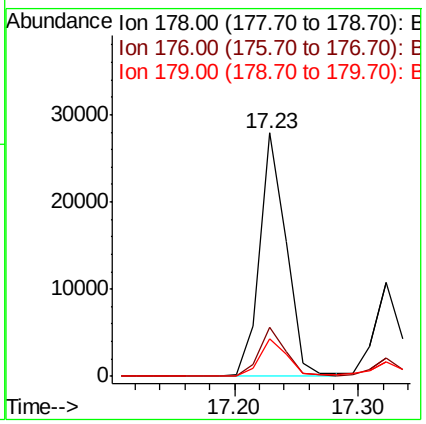
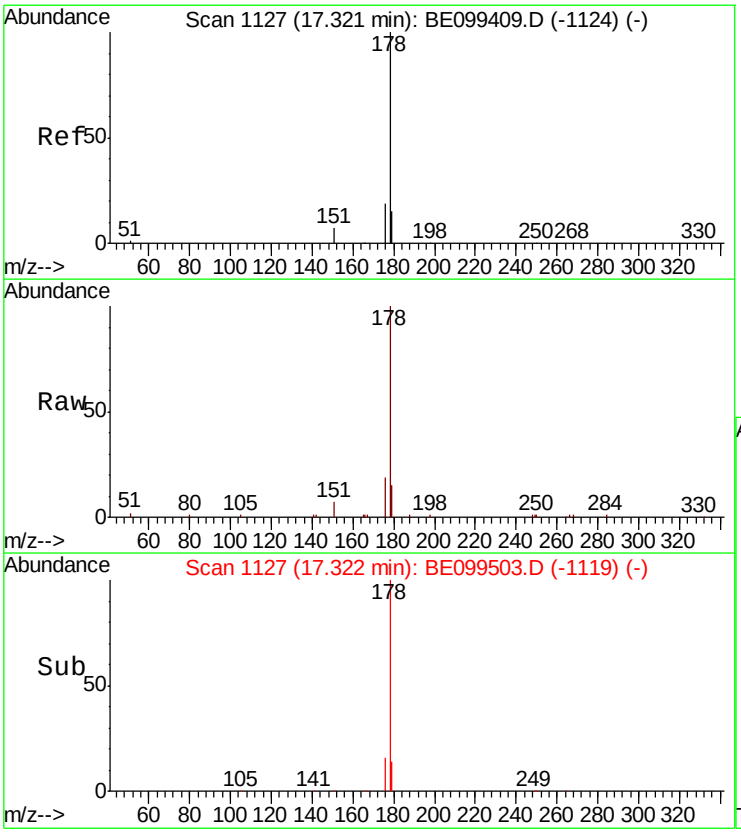
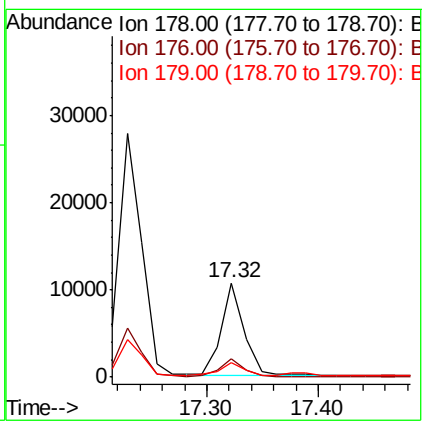


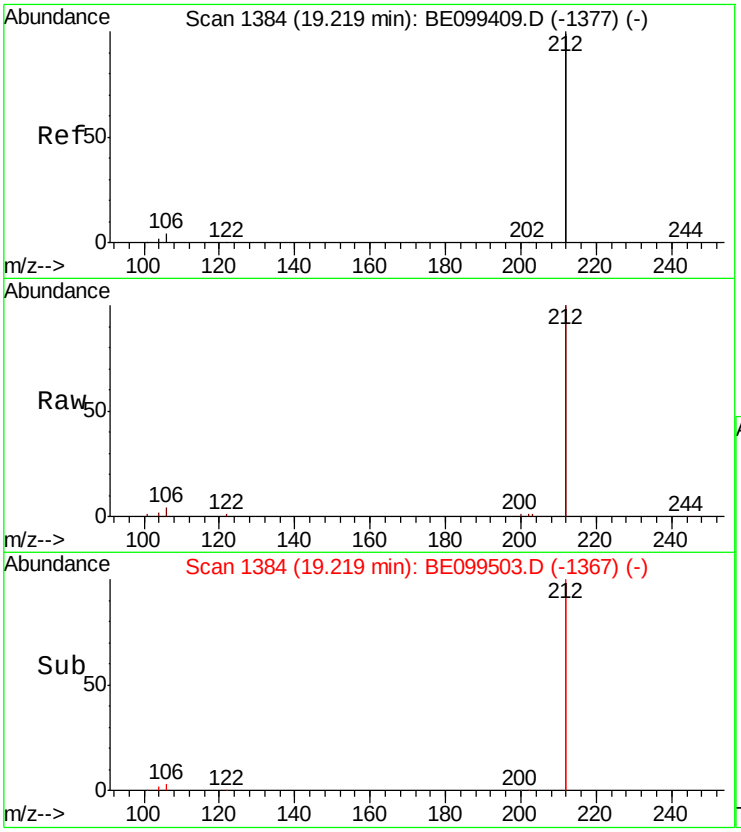


#24
Anthracene
Concen: 0.367 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:178 Resp: 15337

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	16.4	11.9	17.9





#25
Fluoranthene-d10
Concen: 0.252 ng
RT: 19.22 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:212 Resp: 57773

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.5	2.3
104	1.1	0.9	1.3

Instrument :
BNA_E
ClientSampleId :
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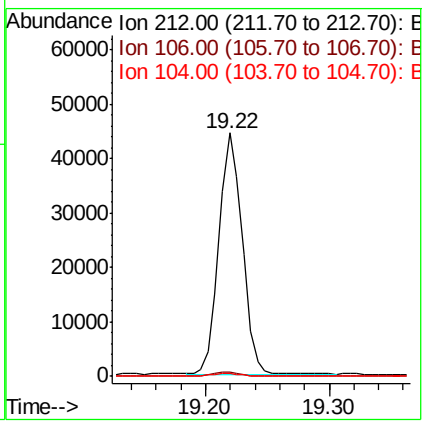
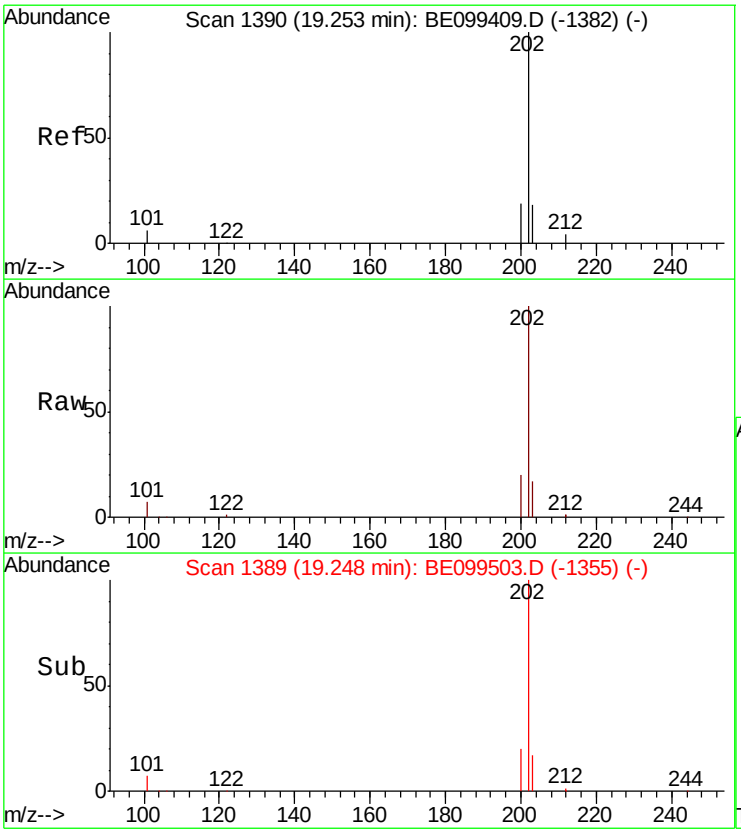
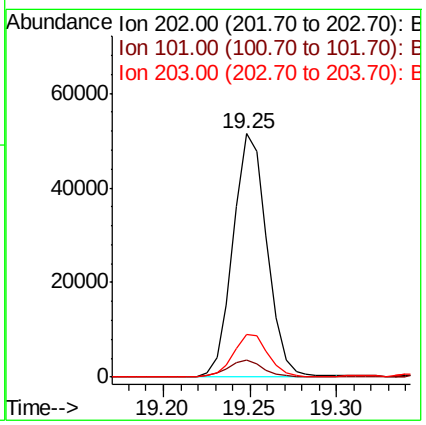


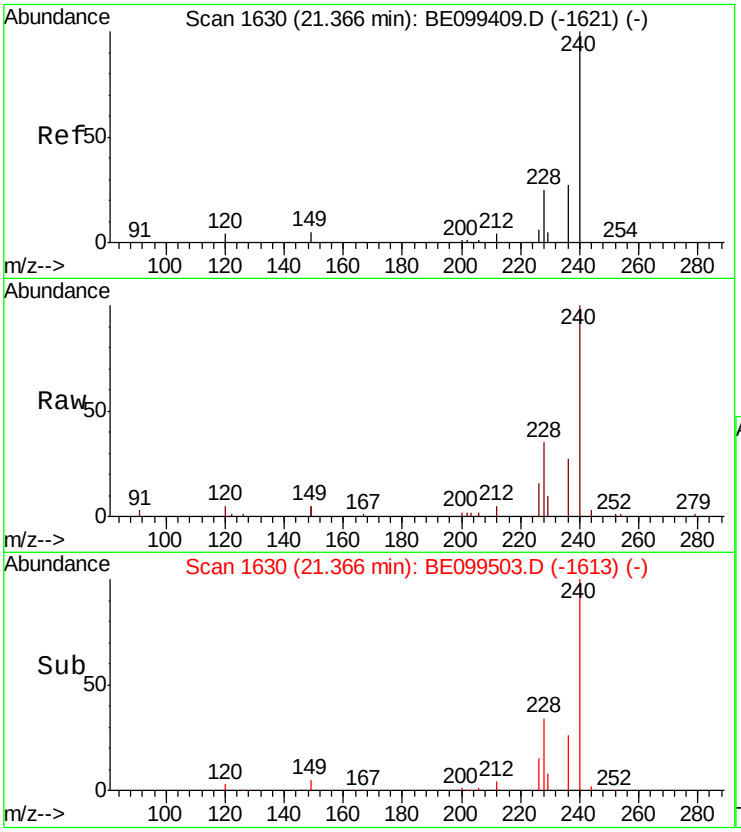


#26
Fluoranthene
Concen: 1.063 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:202 Resp: 69801

Ion	Ratio	Lower	Upper
202	100		
101	6.8	5.4	8.0
203	17.3	13.9	20.9





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:240 Resp: 25246

Ion	Ratio	Lower	Upper
240	100		
120	4.5	4.0	6.0
236	27.2	22.0	33.0

Instrument :
BNA_E
ClientSampleId :
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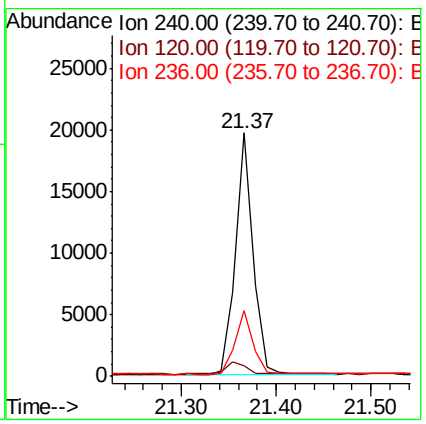
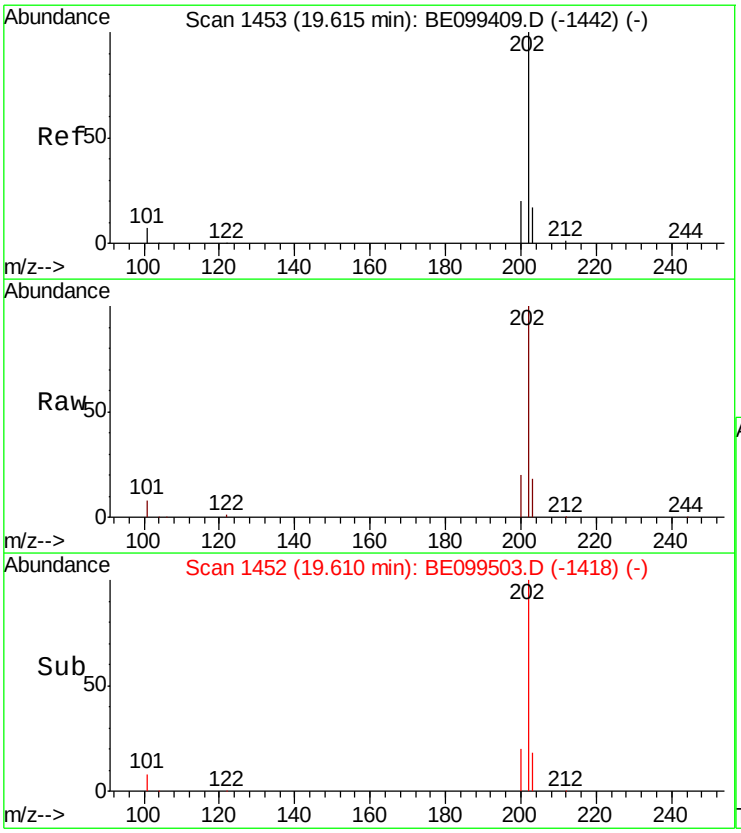
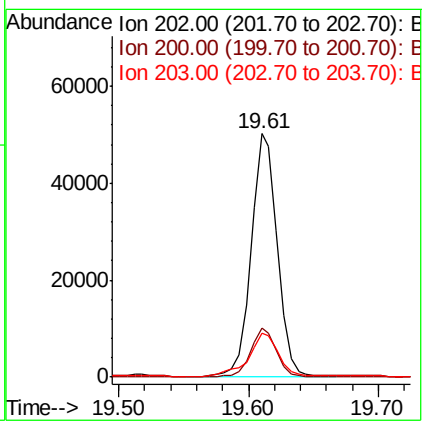


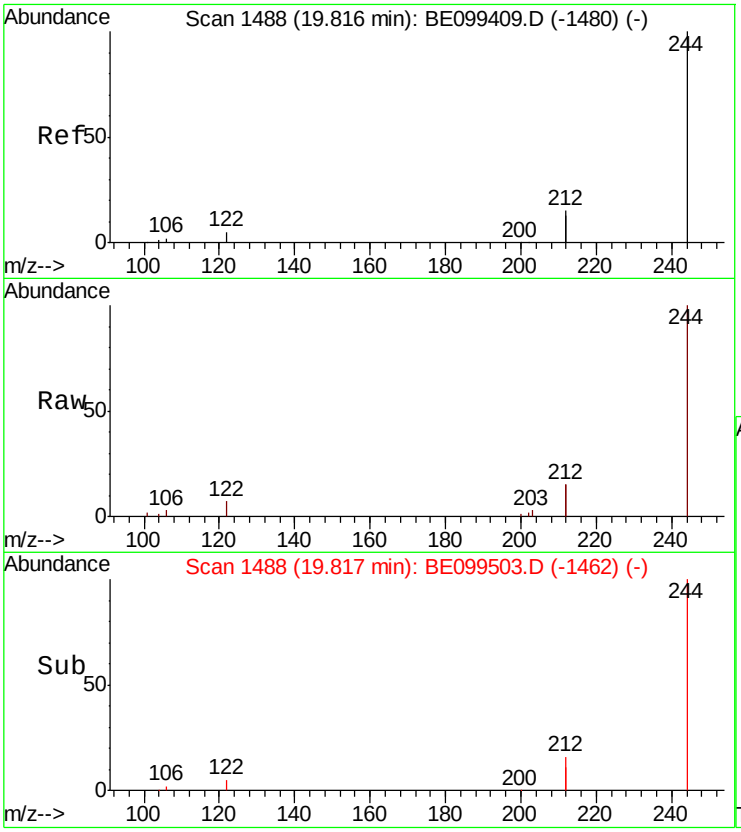


#28
Pyrene
Concen: 1.063 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.01 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:202 Resp: 69947

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	19.9	13.9	20.9

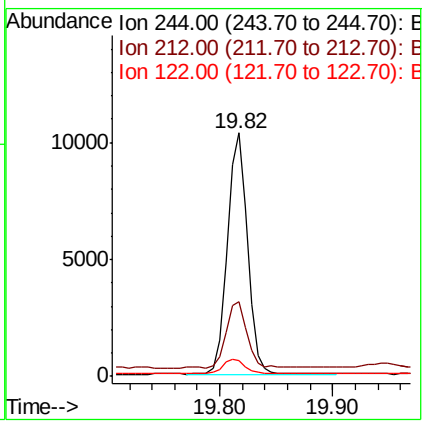




#29
Terphenyl-d14
Concen: 0.279 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:244 Resp: 12901

Ion	Ratio	Lower	Upper
244	100		
212	30.7	23.2	34.8
122	6.5	4.2	6.4#



Instrument :
BNA_E
ClientSampleId :
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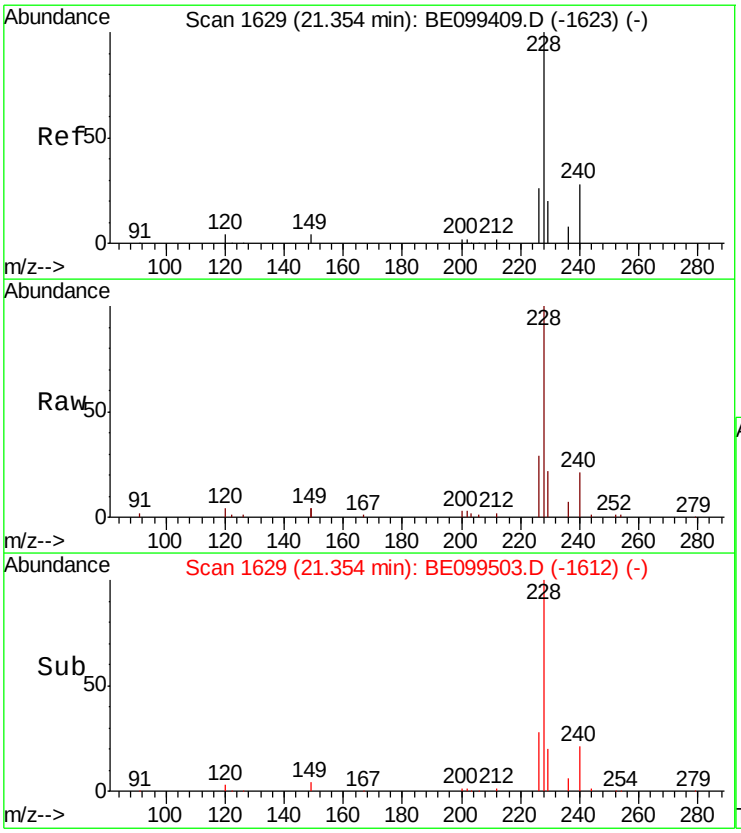
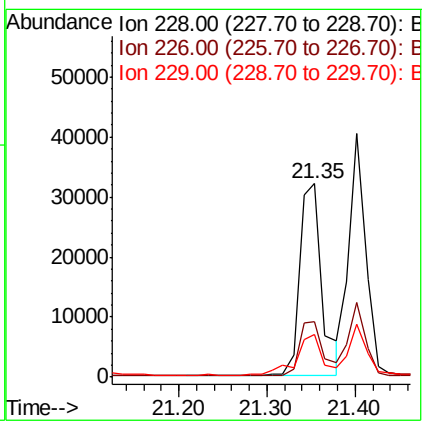
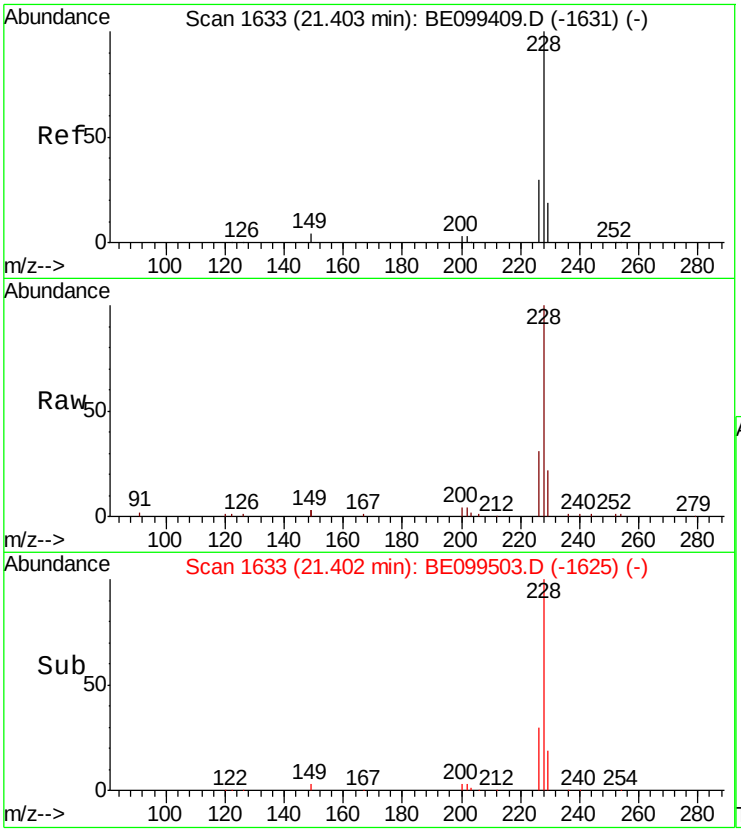


#30
Benzo(a)anthracene
Concen: 0.714 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:228 Resp: 57469

Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.0	31.6
229	21.9	16.6	25.0

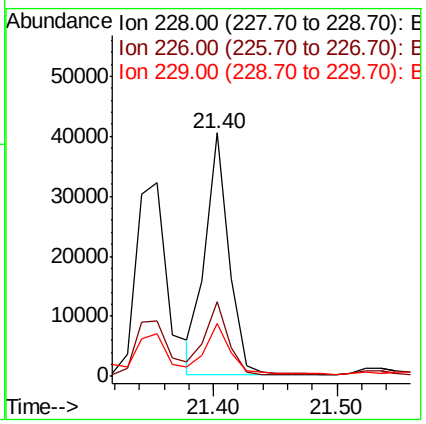




#31
Chrysene
Concen: 0.681 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:228 Resp: 53589

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	21.6	15.8	23.8



Instrument :
BNA_E
ClientSampleId :
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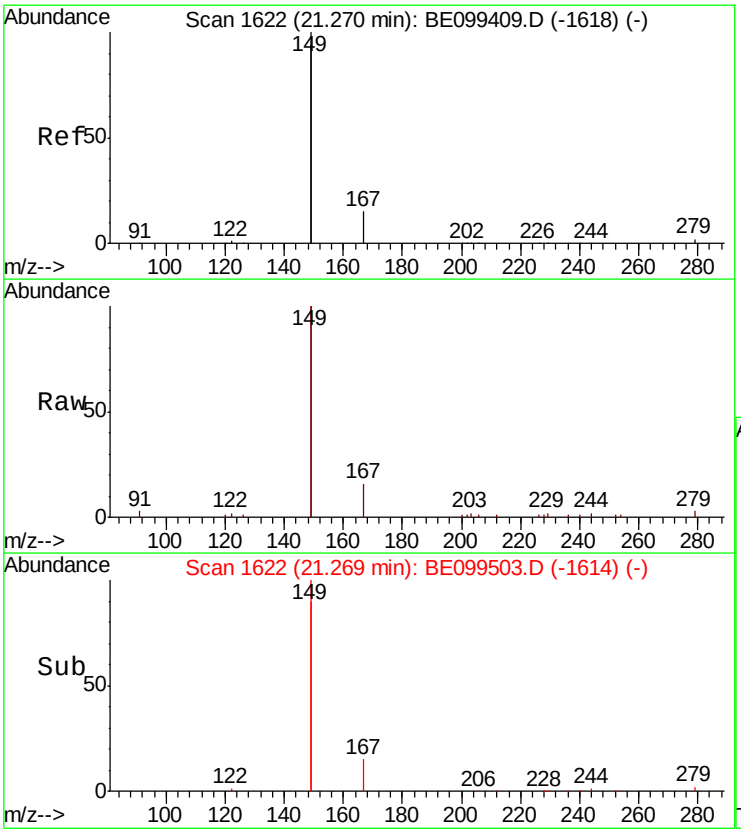
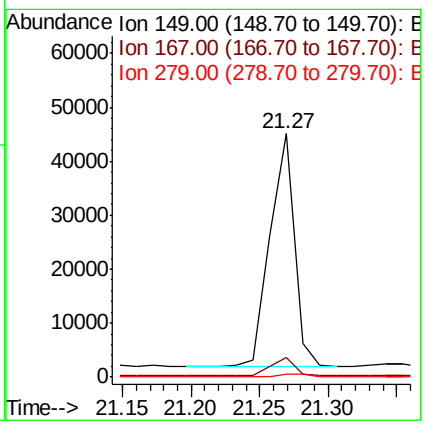
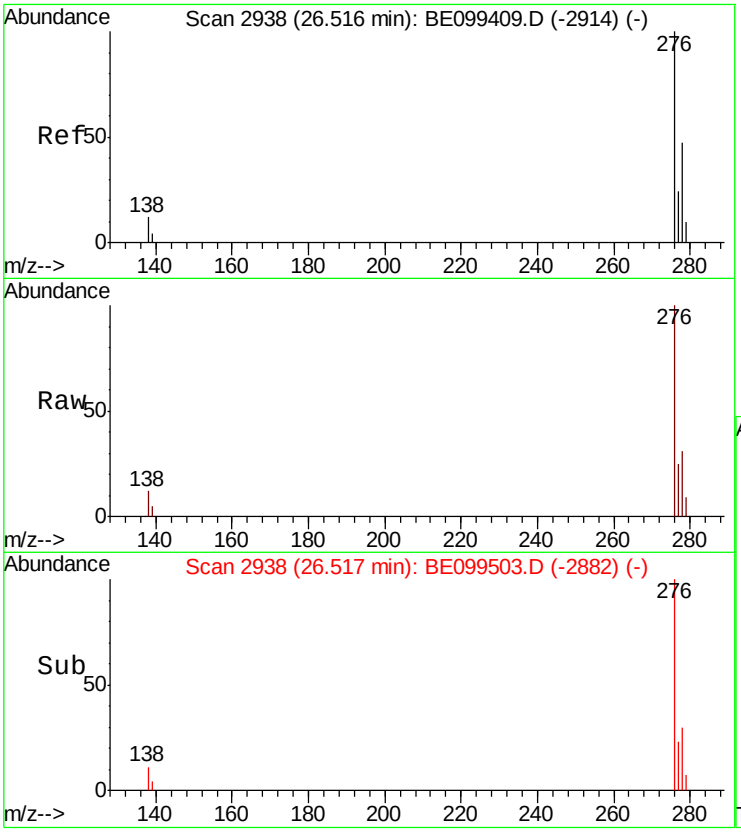


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.403 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:149 Resp: 53861

Ion	Ratio	Lower	Upper
149	100		
167	7.5	5.8	8.6
279	1.5	1.0	1.6

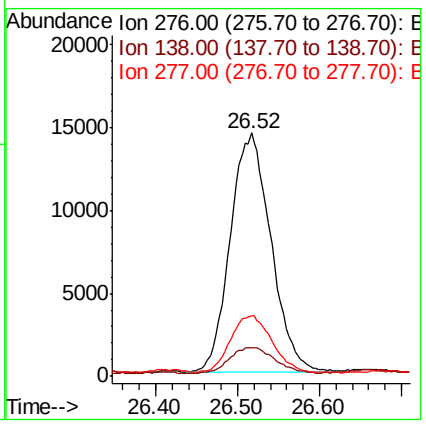




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.532 ng
RT: 26.52 min Scan# 2938
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:276 Resp: 49538

Ion	Ratio	Lower	Upper
276	100		
138	11.7	10.2	15.2
277	24.4	19.2	28.8



Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519MSD

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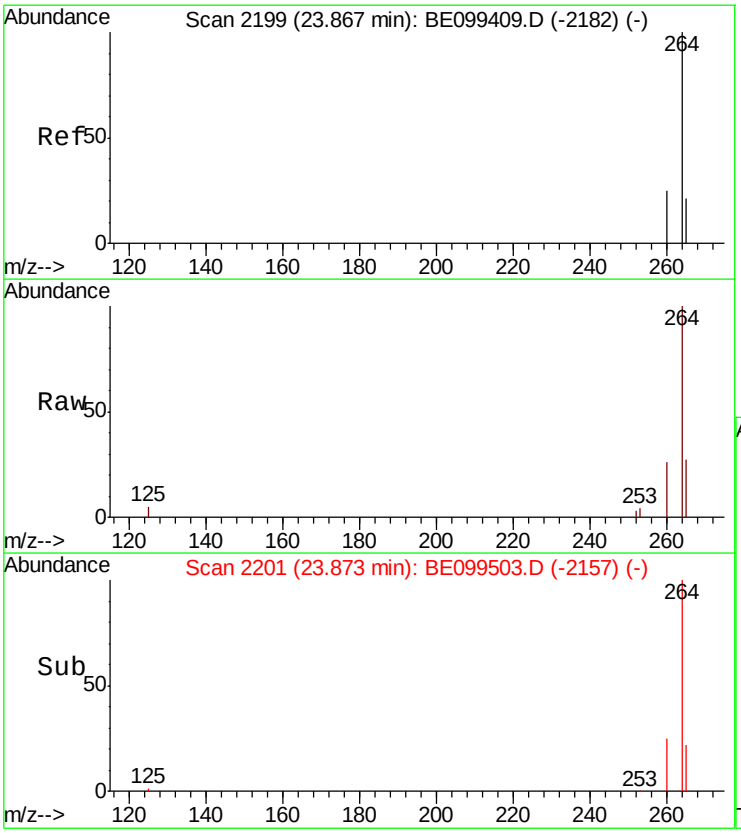
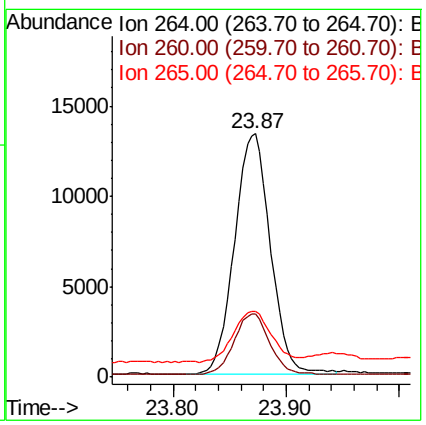
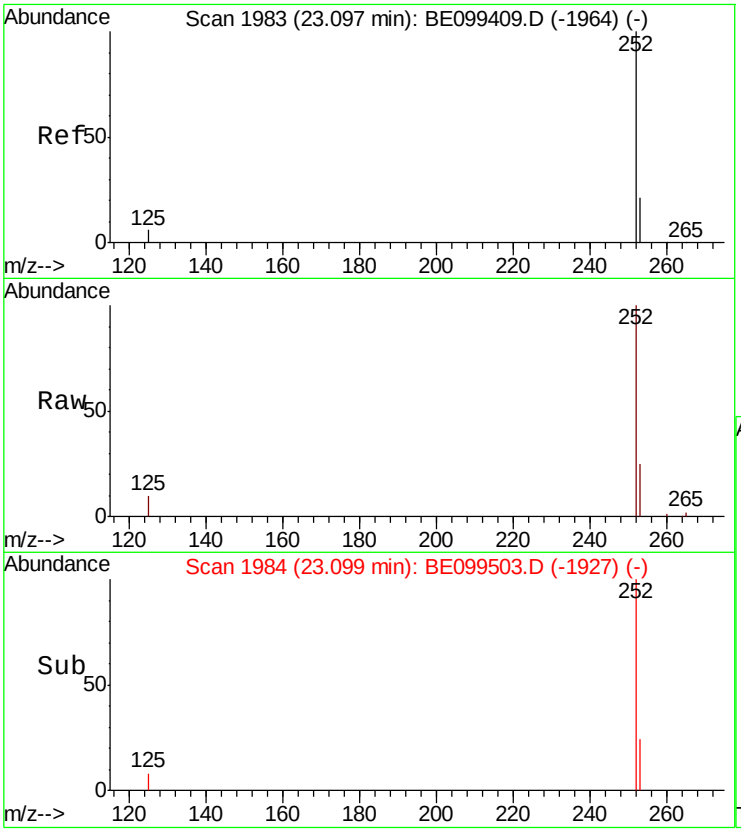


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:264 Resp: 29277

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.2	30.2
265	27.1	21.3	31.9





#35
Benzo(b)fluoranthene
Concen: 0.742 ng
RT: 23.10 min Scan# 1984
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:252 Resp: 62619

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	9.6	5.6	8.4#

Instrument :
BNA_E
ClientSampleId :
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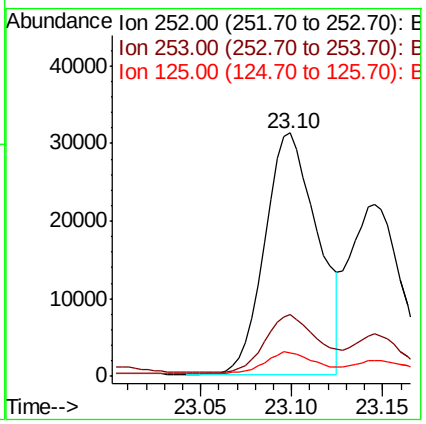
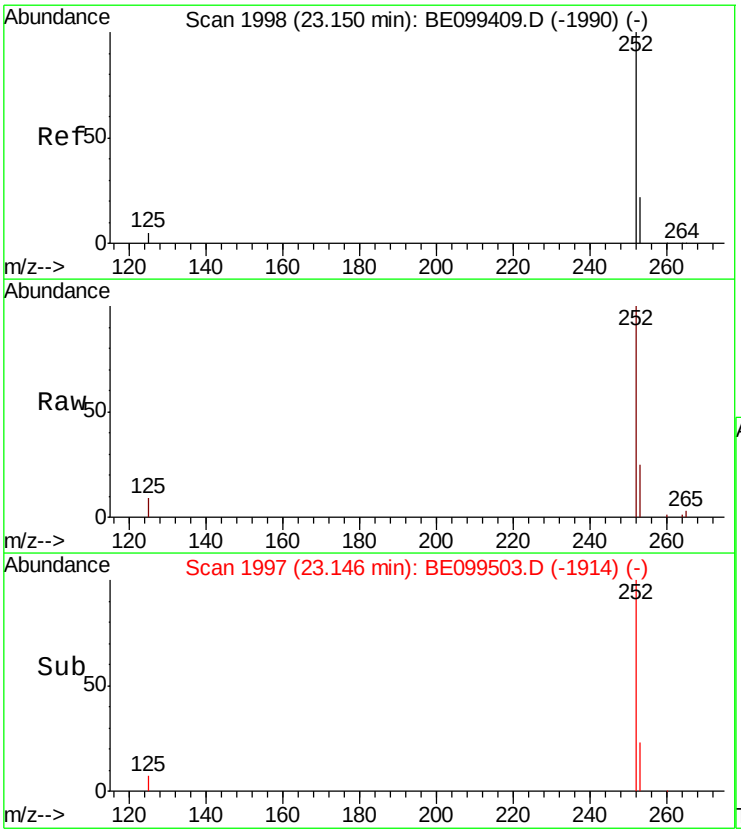
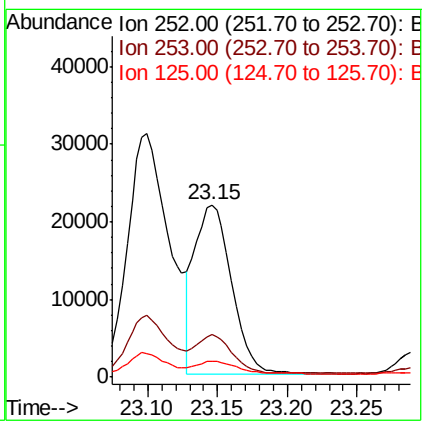


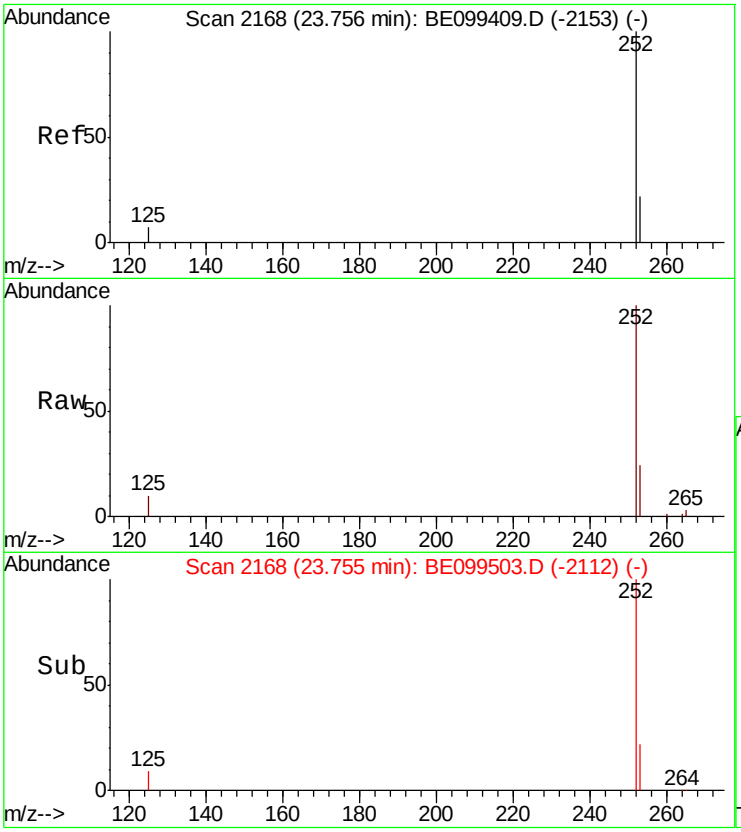


#36
Benzo(k)fluoranthene
Concen: 0.493 ng
RT: 23.15 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:252 Resp: 40173

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	9.2	5.0	7.4#





#37
Benzo(a)pyrene
Concen: 0.656 ng
RT: 23.76 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:252 Resp: 52368

Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.9	28.3
125	10.4	6.7	10.1#

Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519MSD

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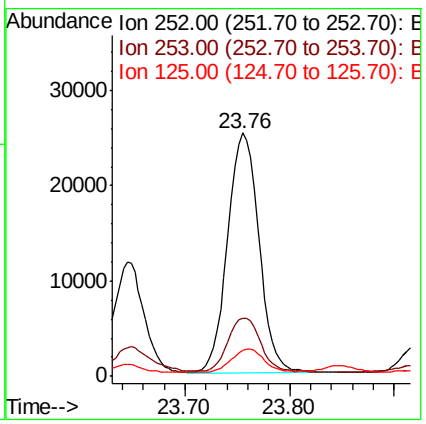
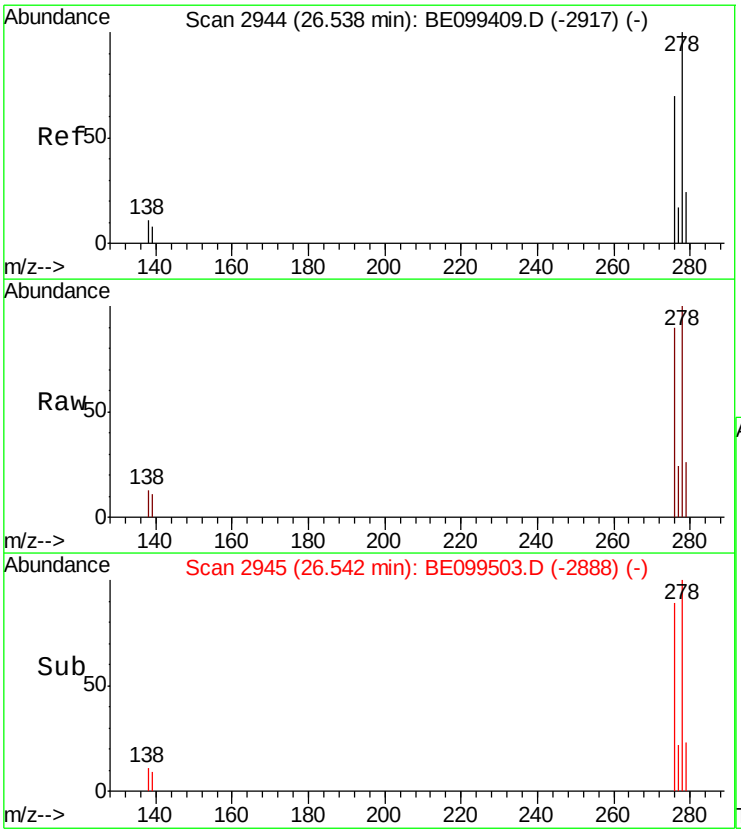
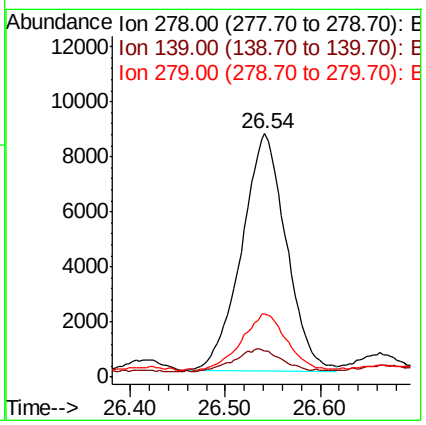


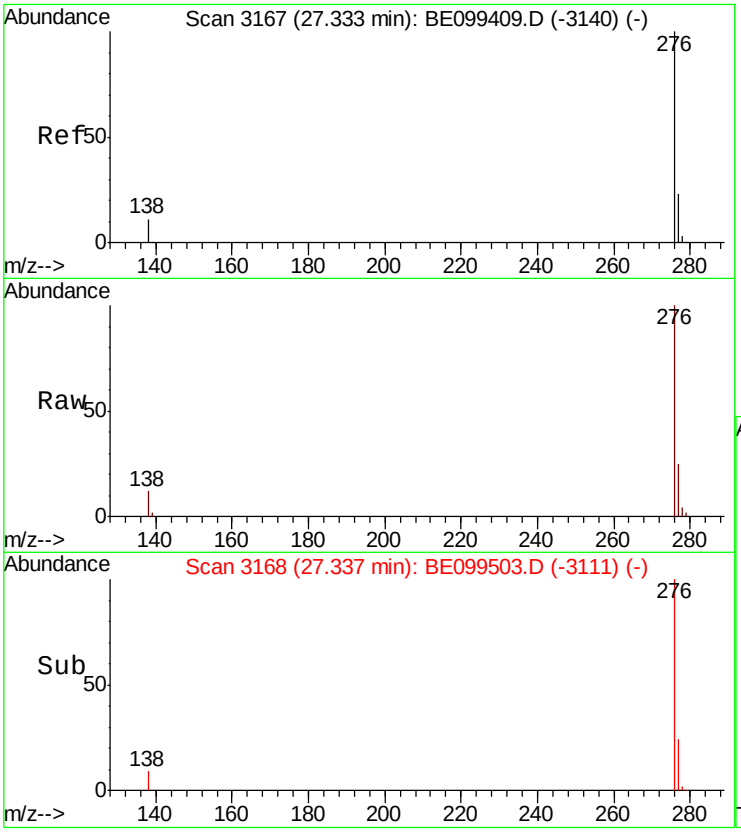


#38
Dibenzo(a,h)anthracene
Concen: 0.344 ng
RT: 26.54 min Scan# 2945
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:278 Resp: 28115

Ion	Ratio	Lower	Upper
278	100		
139	10.9	7.7	11.5
279	25.9	20.2	30.2

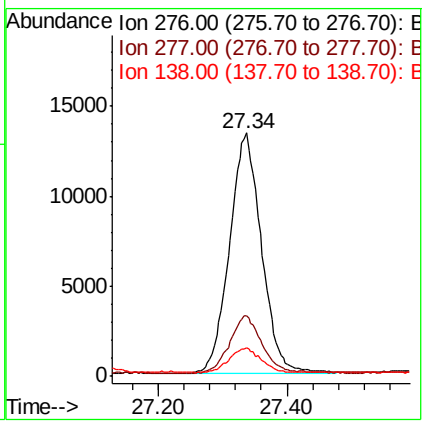




#39
Benzo(g,h,i)perylene
Concen: 0.564 ng
RT: 27.34 min Scan# 3168
Delta R.T. 0.00 min
Lab File: BE099503.D
Acq: 2 May 2019 21:08

Tgt Ion:276 Resp: 46116

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.5	29.3
138	11.9	9.6	14.4



Instrument :
BNA_E
ClientSampleId :
PST-001-B196-042519MSD

Manual Integrations APPROVED
Sohil
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