Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051718\
Data File : BE096610.D
Acq On : 17 May 2018 15:22
Operator : SJ/JU
Sample : J2923-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

Manual Integrations APPROVED
Sohil
5/18/2018 4:33:04 PM

Quant Time: May 18 05:43:40 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.35	152	625	0.40	ng		0.00
7) Naphthalene-d8	11.18	136	2603	0.40	ng		0.00
13) Acenaphthene-d10	14.92	164	1543	0.40	ng		0.00
19) Phenanthrene-d10	17.64	188	3559	0.40	ng		0.00
27) Chrysene-d12	21.74	240	3311	0.40	ng		0.01
34) Perylene-d12	24.33	264	2967	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.86	112	602	0.35	ng		0.00
5) Phenol-d6	7.50	99	810	0.33	ng		0.00
8) Nitrobenzene-d5	9.53	82	942	0.34	ng		0.00
11) 2-Methylnaphthalene-d10	12.72	152	1578	0.37	ng		0.00
14) 2,4,6-Tribromophenol	16.40	330	157	0.26	ng		0.00
15) 2-Fluorobiphenyl	13.56	172	2421	0.37	ng		0.00
25) Fluoranthene-d10	19.62	212	15868	0.36	ng		0.00
29) Terphenyl-d14	20.18	244	2548	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.58	88	87	0.093	ng	#	85
3) n-Nitrosodimethylamine	3.97	42	90	0.077	ng	#	68
6) bis(2-Chloroethyl)ether	7.75	93	224	0.098	ng		85
9) Naphthalene	11.22	128	2566	0.094	ng	#	92
10) Hexachlorobutadiene	11.49	225	105	0.069	ng	#	81
12) 2-Methylnaphthalene	12.79	142	420	0.090	ng	#	89
16) Acenaphthylene	14.66	152	681	0.085	ng		95
17) Acenaphthene	14.99	154	458	0.093	ng		94
18) Fluorene	15.96	166	554	0.091	ng	#	80
20) 4-Bromophenyl-phenylether	16.82	248	189	0.088	ng	#	76
21) Hexachlorobenzene	16.95	284	203	0.090	ng	#	82
22) Pentachlorophenol	17.32	266	10	0.196	ng		92
23) Phenanthrene	17.67	178	876	0.088	ng		98
24) Anthracene	17.77	178	759	0.082	ng	#	94
26) Fluoranthene	19.65	202	1053	0.088	ng		96
28) Pyrene	20.00	202	544	0.091	ng		98
30) Benzo(a)anthracene	21.72	228	941	0.092	ng		93
31) Chrysene	21.78	228	893	0.084	ng	#	87
32) Bis(2-ethylhexyl)phthalate	21.58	149	1870	0.086	ng	#	98
33) Indeno(1,2,3-cd)pyrene	27.11	276	806	0.079	ng	#	78
35) Benzo(b)fluoranthene	23.53	252	835	0.091	ng	#	87
36) Benzo(k)fluoranthene	23.58	252	864	0.089	ng	#	69
37) Benzo(a)pyrene	24.22	252	754	0.086	ng	#	64
38) Dibenzo(a,h)anthracene	27.12	278	633	0.079	ng	#	57
39) Benzo(g,h,i)perylene	27.97	276	726m	0.087	ng		

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

Quantitation Report (QT Reviewed)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

Manual Integrations APPROVED
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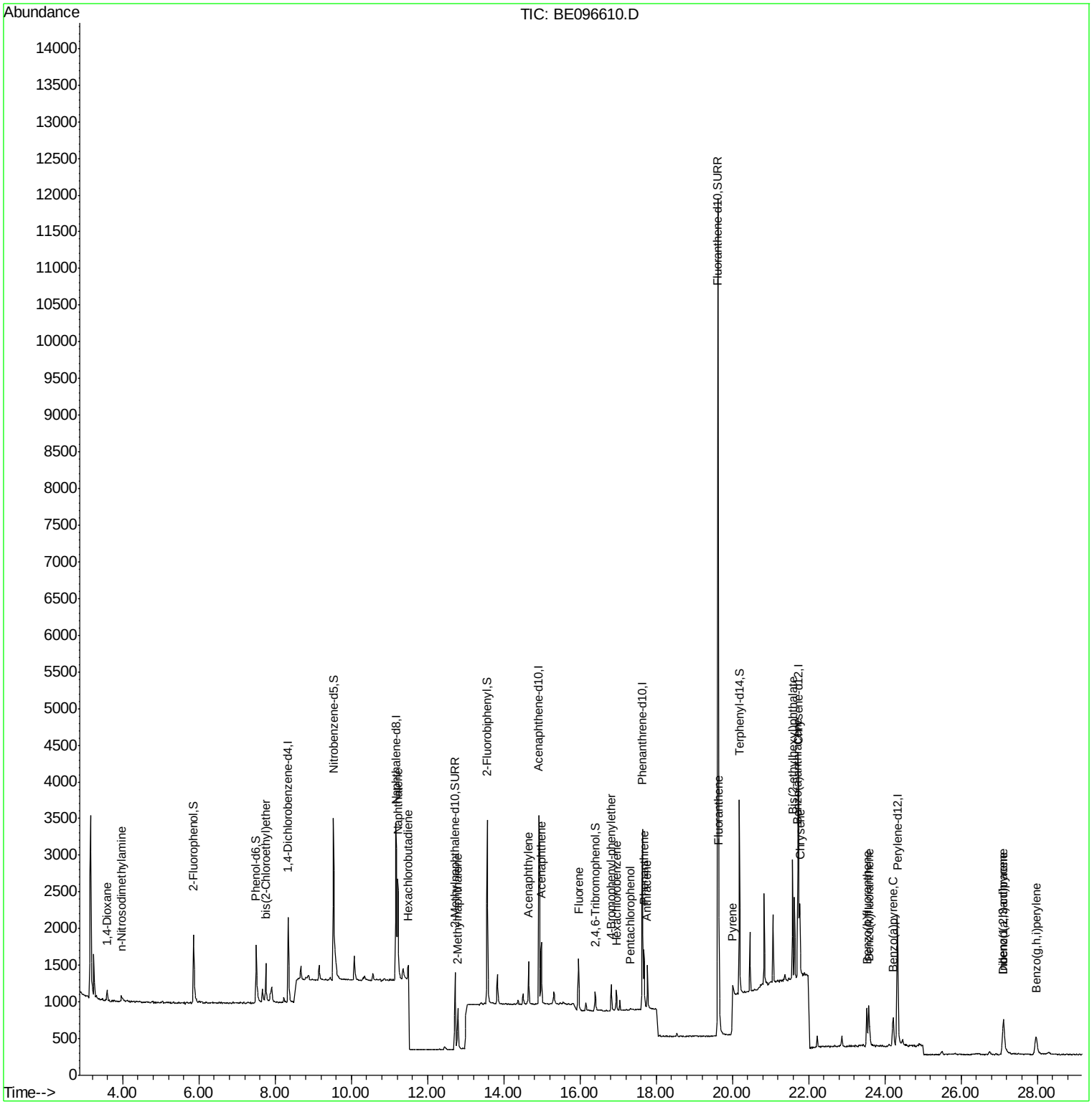
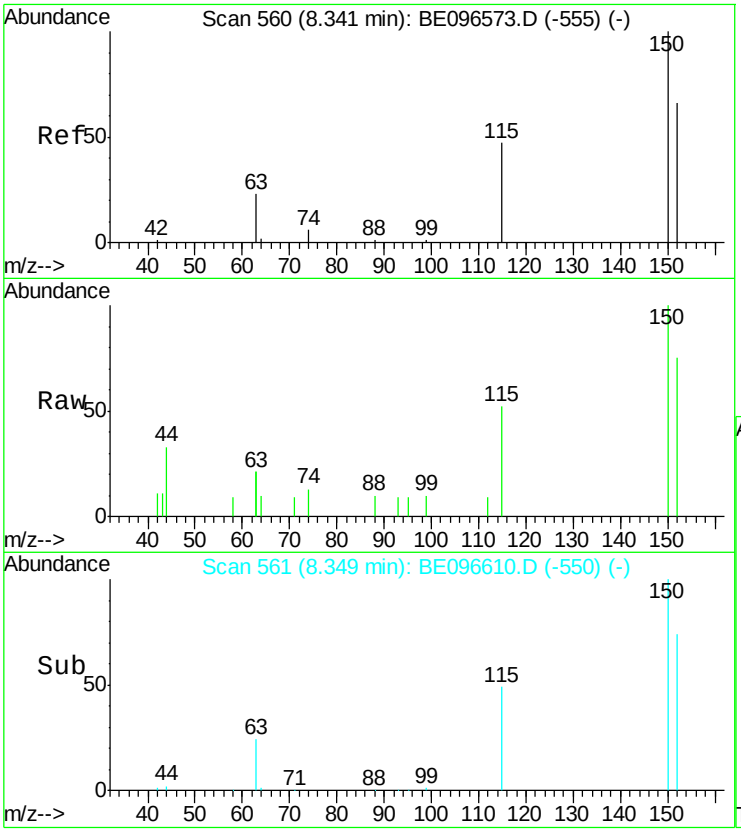
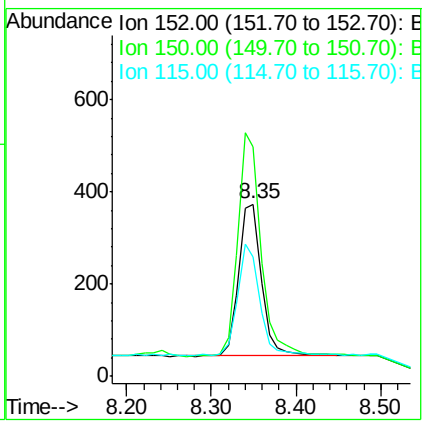




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.35 min Scan# 561
Delta R.T. 0.01 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:152 Resp: 625

Ion	Ratio	Lower	Upper
152	100		
150	133.2	117.2	175.8
115	69.5	57.0	85.6



Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

Manual Integrations APPROVED
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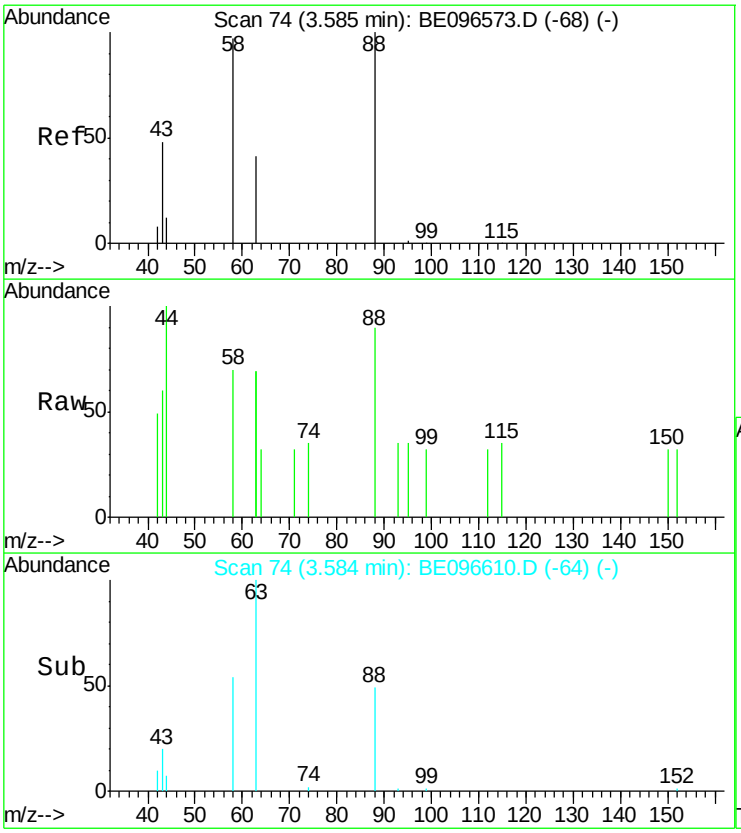
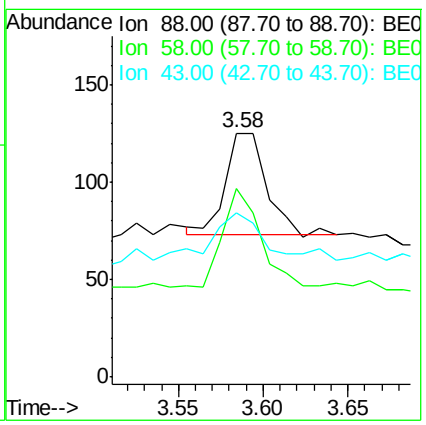
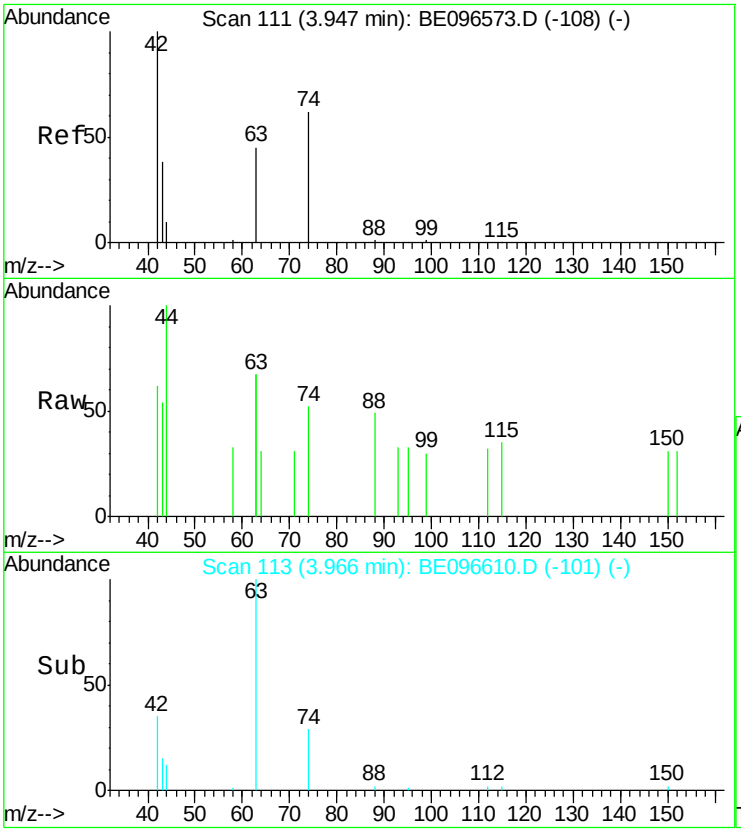


#2
1,4-Dioxane
Concen: 0.093 ng
RT: 3.58 min Scan# 74
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion: 88 Resp: 87

Ion	Ratio	Lower	Upper
88	100		
58	90.8	63.2	94.8
43	64.4	41.2	61.8#

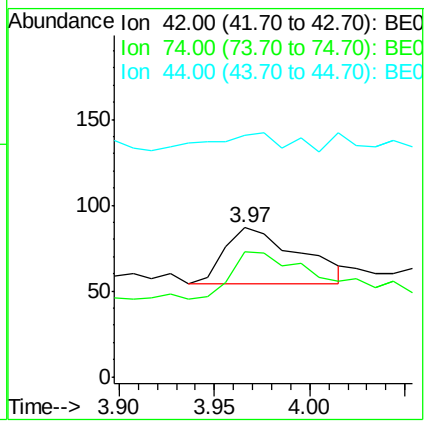




#3
n-Nitrosodimethylamine
Concen: 0.077 ng
RT: 3.97 min Scan# 113
Delta R.T. 0.02 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion: 42 Resp: 90

Ion	Ratio	Lower	Upper
42	100		
74	88.9	96.0	144.0#
44	42.2	12.0	18.0#



Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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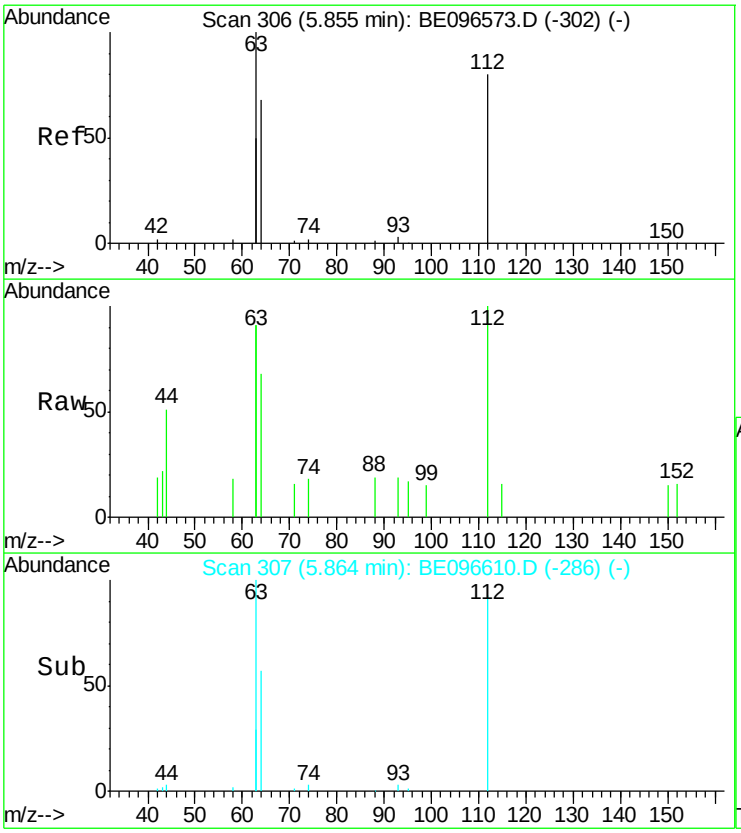
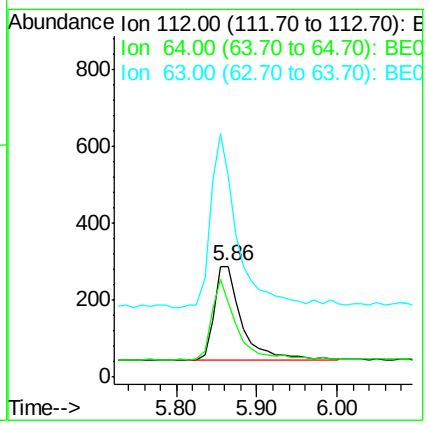
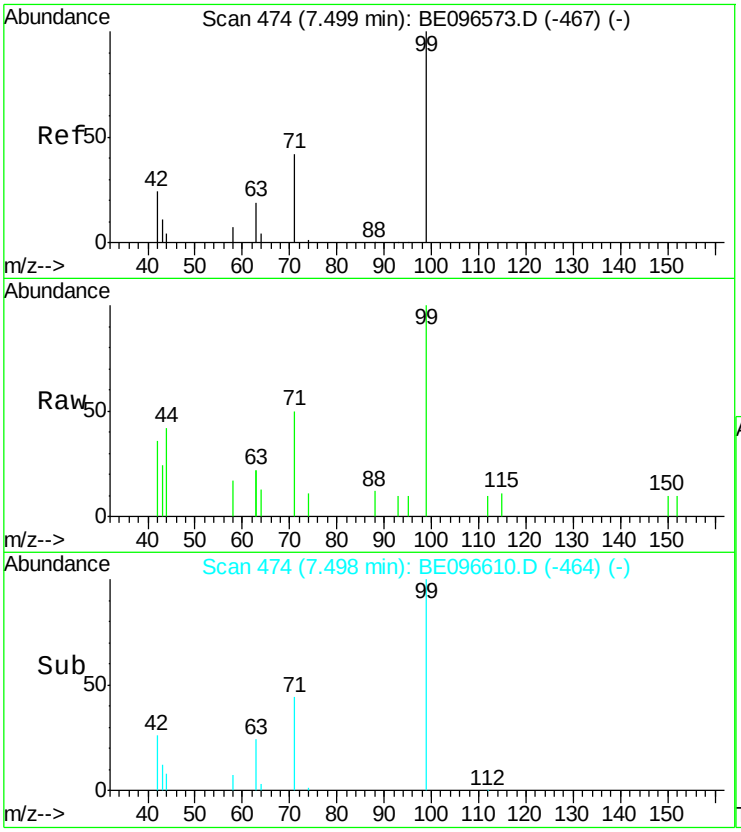


#4
2-Fluorophenol
Concen: 0.349 ng
RT: 5.86 min Scan# 307
Delta R.T. 0.01 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:112 Resp: 602

Ion	Ratio	Lower	Upper
112	100		
64	76.9	60.1	90.1
63	169.4	116.8	175.2

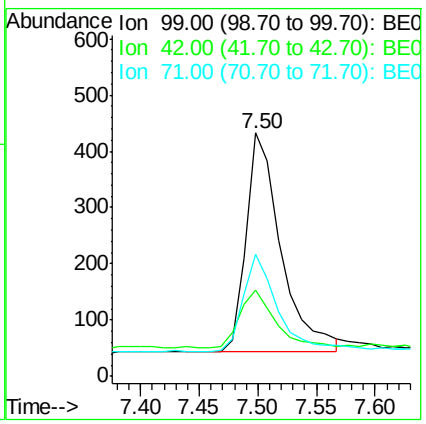




#5
Phenol-d6
Concen: 0.332 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion: 99 Resp: 810

Ion	Ratio	Lower	Upper
99	100		
42	27.5	20.2	30.2
71	42.2	28.4	42.6



Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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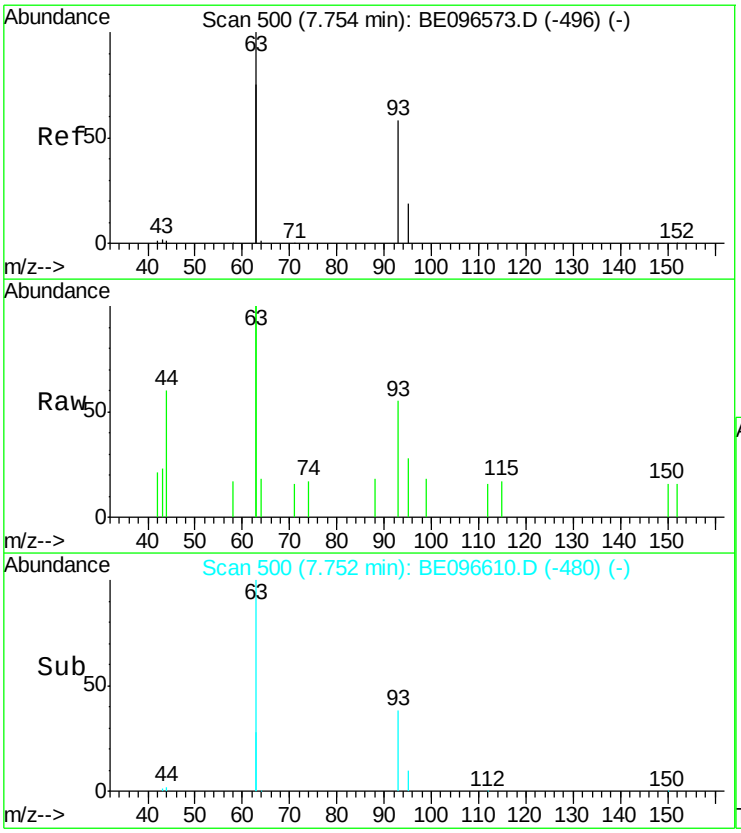
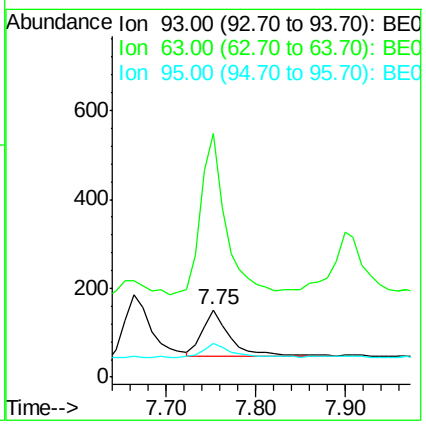
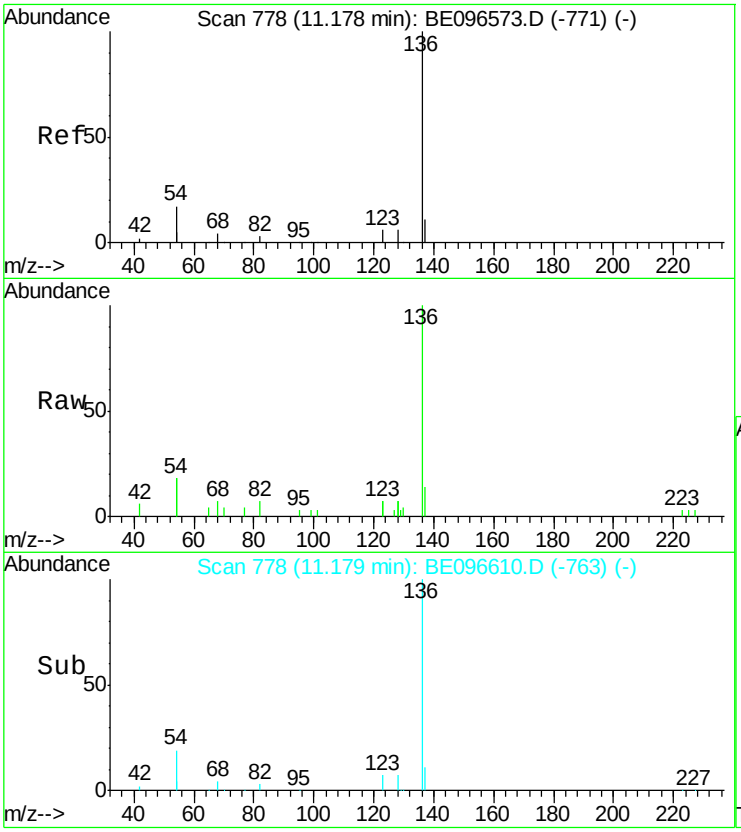


#6
bis(2-Chloroethyl)ether
Concen: 0.098 ng
RT: 7.75 min Scan# 500
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion: 93 Resp: 224

Ion	Ratio	Lower	Upper
93	100		
63	309.8	275.3	412.9
95	30.8	25.2	37.8

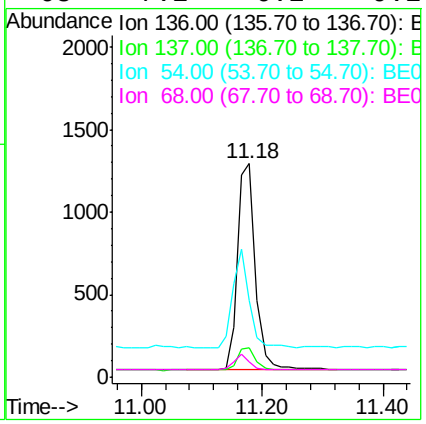




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.18 min Scan# 778
Delta R.T. 0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:136 Resp: 2603

Ion	Ratio	Lower	Upper
136	100		
137	14.0	9.5	14.3
54	35.7	29.1	43.7
68	7.2	6.2	9.2



Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

Manual Integrations APPROVED
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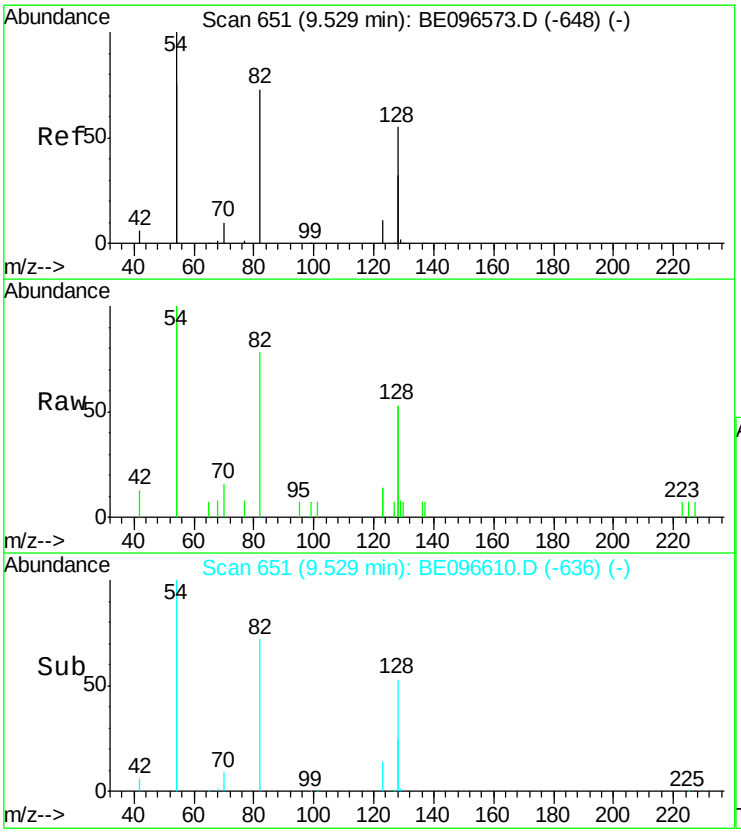
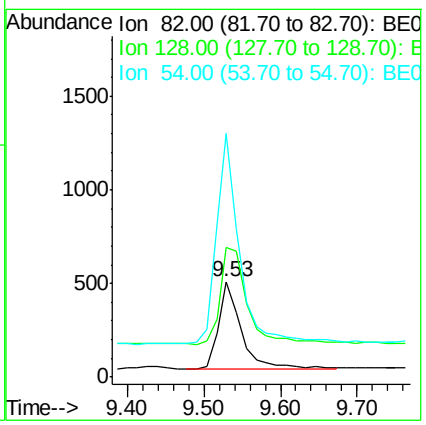
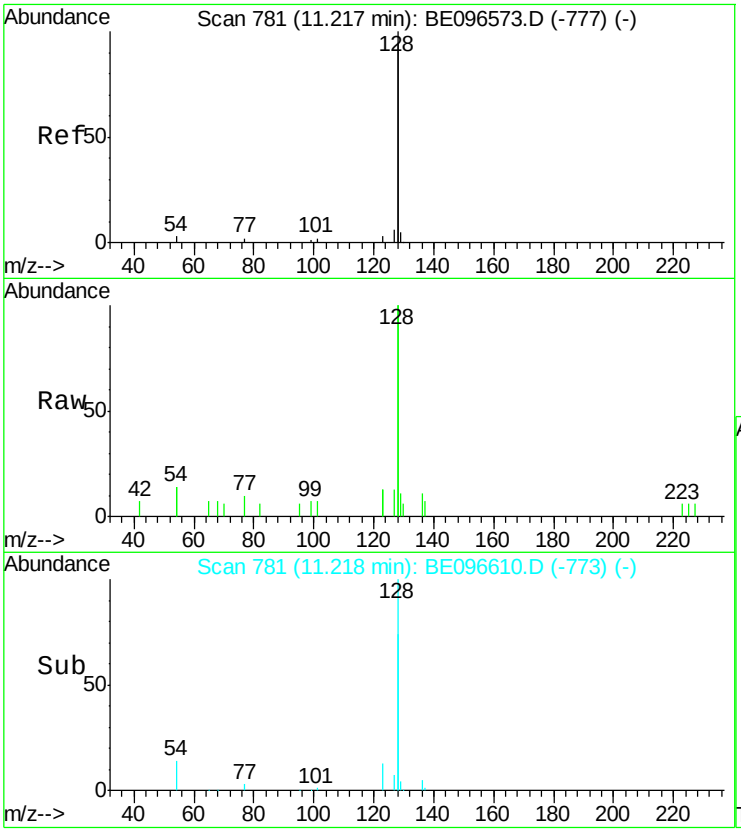


#8
Nitrobenzene-d5
Concen: 0.340 ng
RT: 9.53 min Scan# 651
Delta R.T. 0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion: 82 Resp: 942

Ion	Ratio	Lower	Upper
82	100		
128	135.3	150.0	225.0#
54	254.9	154.2	231.4#





#9
Naphthalene
Concen: 0.094 ng
RT: 11.22 min Scan# 781
Delta R.T. 0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:128 Resp: 2566

Ion	Ratio	Lower	Upper
128	100		
129	5.4	2.6	3.8#
127	6.7	2.8	4.2#

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

Manual Integrations APPROVED
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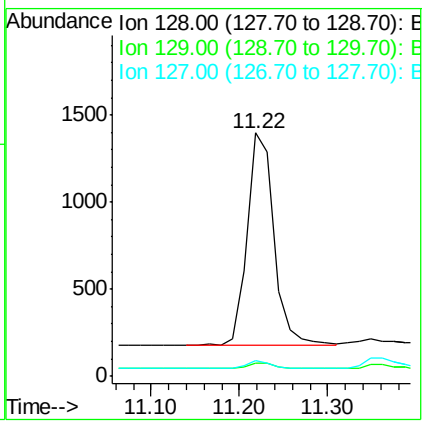
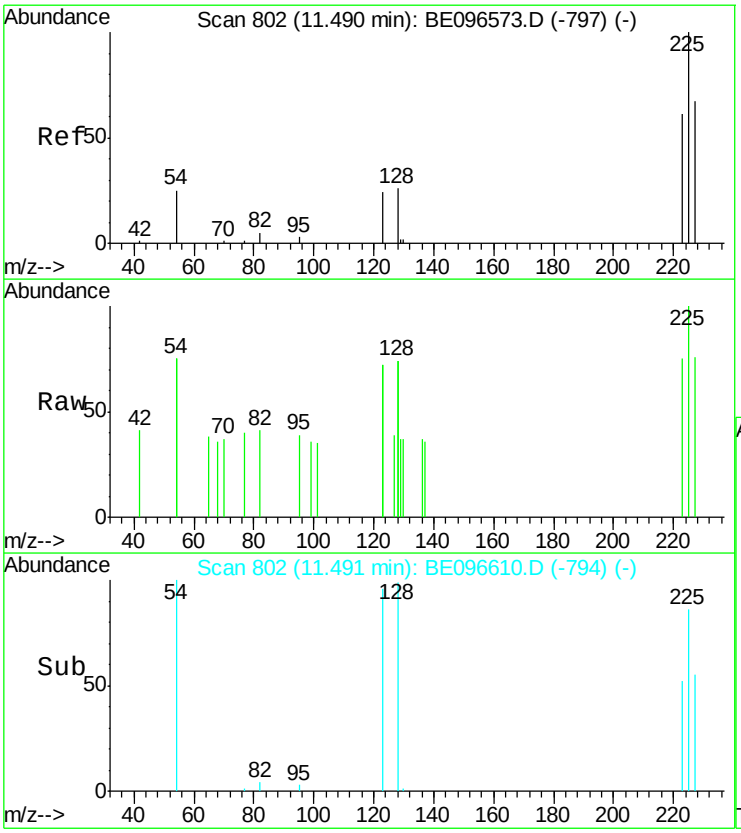
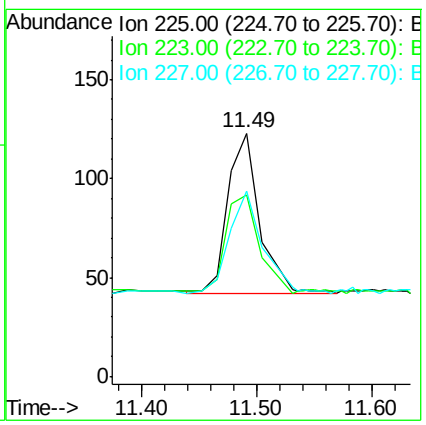


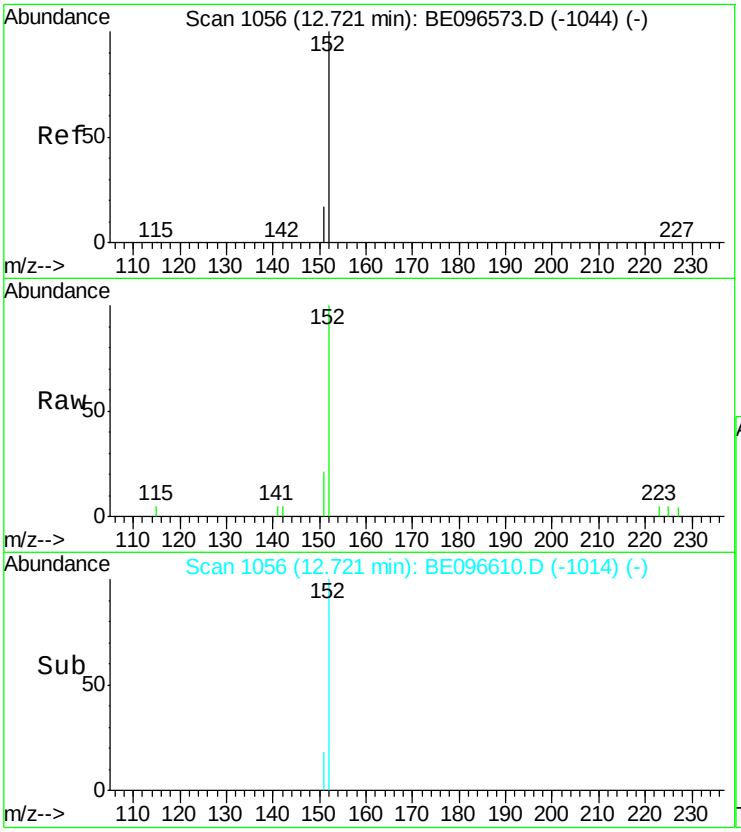


#10
Hexachlorobutadiene
Concen: 0.069 ng
RT: 11.49 min Scan# 802
Delta R.T. 0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:225 Resp: 105

Ion	Ratio	Lower	Upper
225	100		
223	90.5	53.0	79.6#
227	69.5	51.4	77.2





#11
2-Methylnaphthalene-d10
Concen: 0.371 ng
RT: 12.72 min Scan# 1056
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:152 Resp: 1578

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.0

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

Manual Integrations APPROVED
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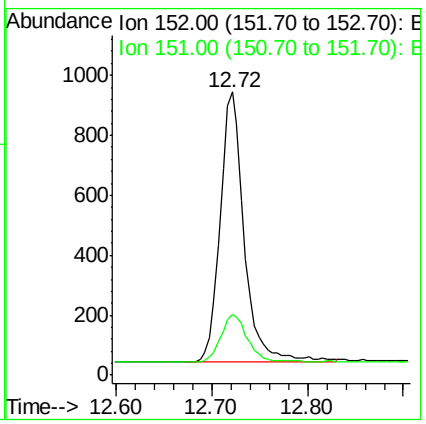
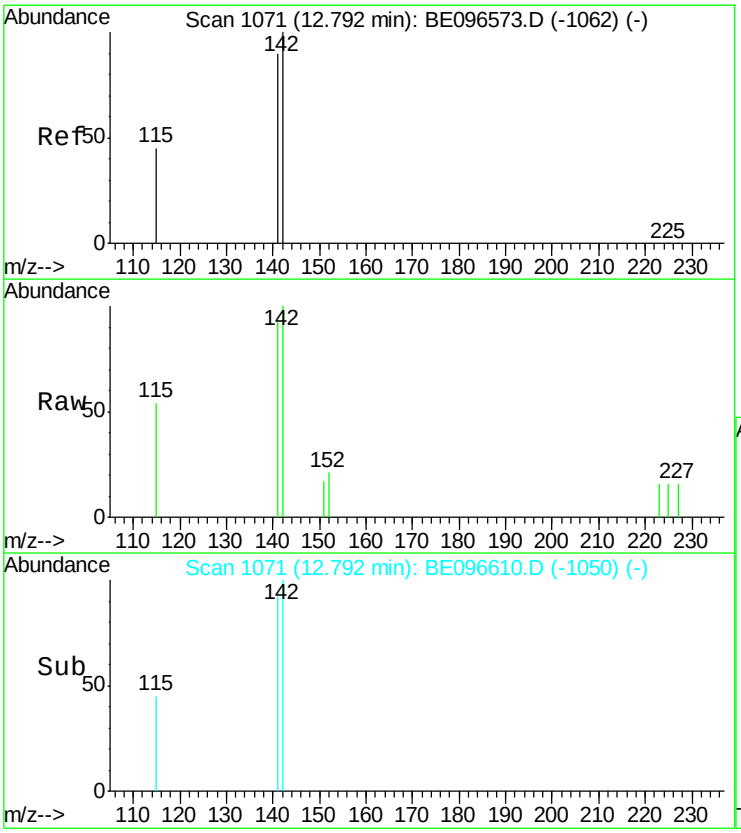
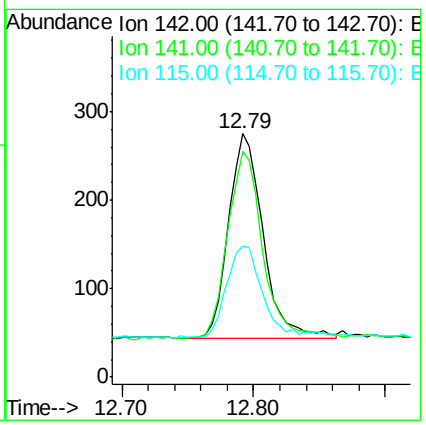


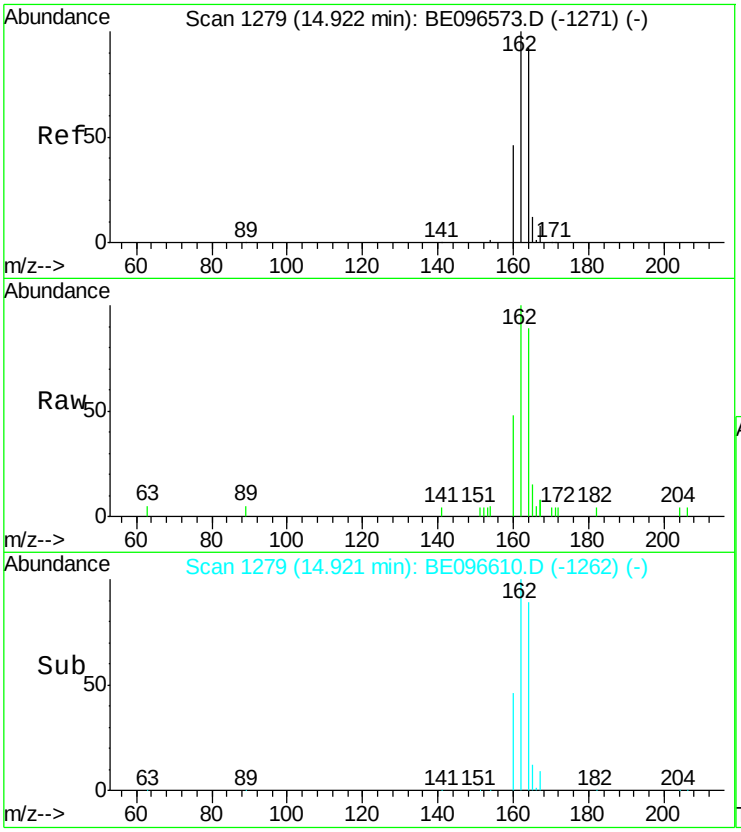


#12
2-Methylnaphthalene
Concen: 0.090 ng
RT: 12.79 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:142 Resp: 420

Ion	Ratio	Lower	Upper
142	100		
141	92.7	70.4	105.6
115	53.8	31.7	47.5#

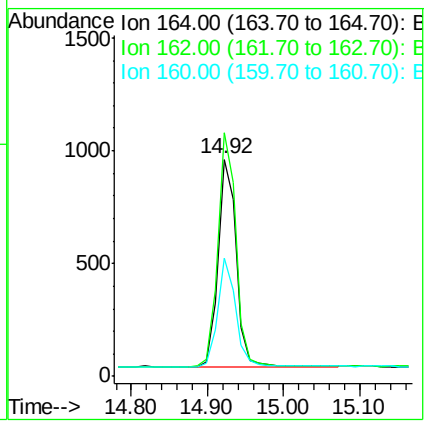




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.92 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:164 Resp: 1543

Ion	Ratio	Lower	Upper
164	100		
162	112.2	83.1	124.7
160	54.3	37.1	55.7



Instrument :
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ClientSampleId :
LOQ-NPW-Precision-Bias-1

Manual Integrations APPROVED
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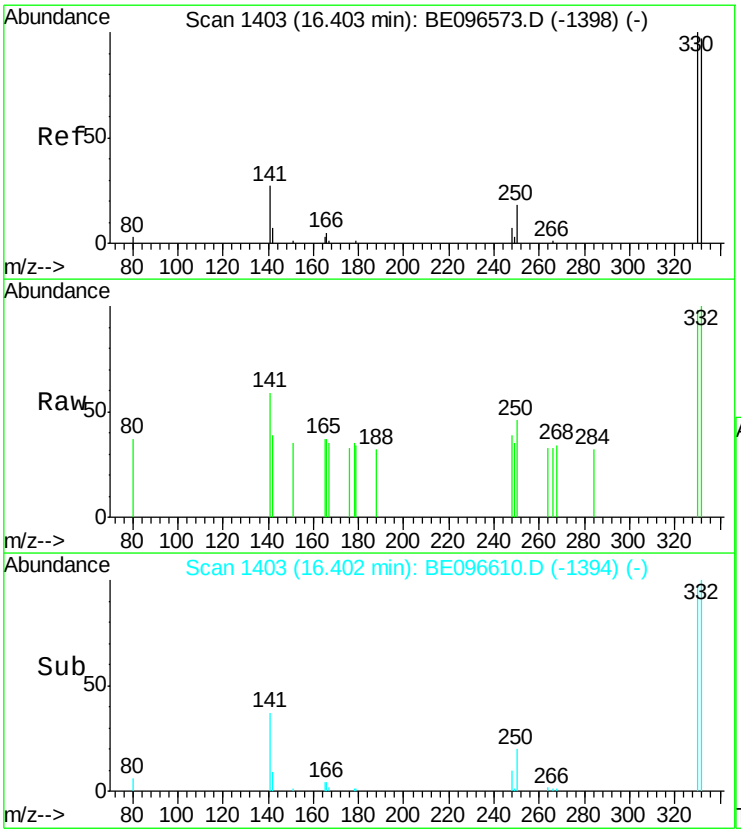
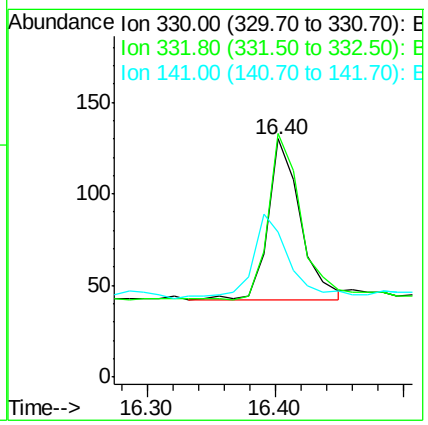
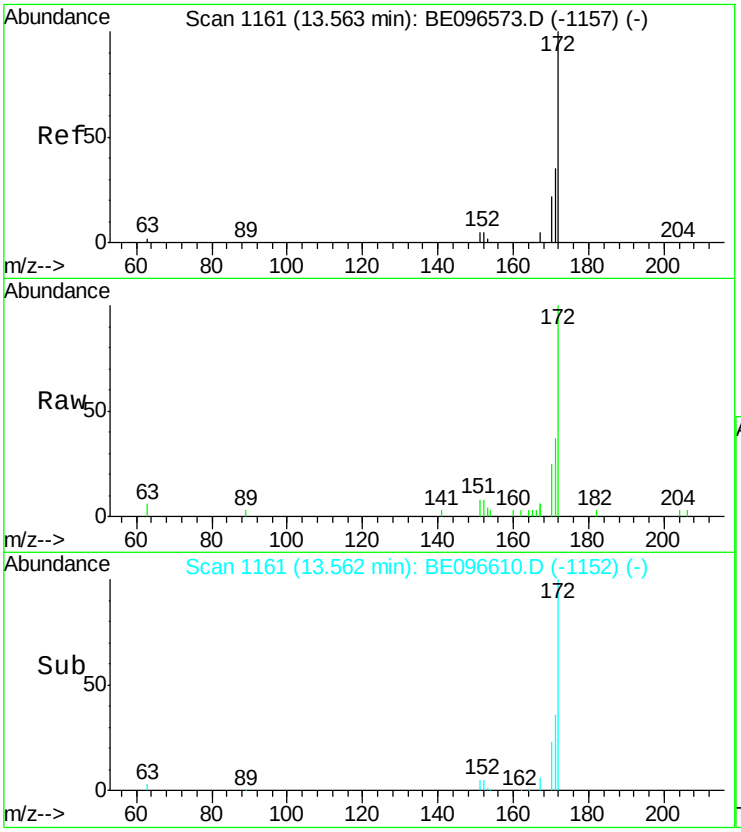


#14
2,4,6-Tribromophenol
Concen: 0.257 ng
RT: 16.40 min Scan# 1403
Delta R.T. 0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:330 Resp: 157

Ion	Ratio	Lower	Upper
330	100		
332	105.7	152.7	229.1#
141	58.6	33.7	50.5#

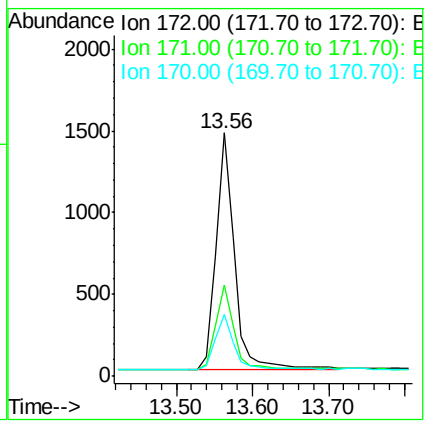




#15
2-Fluorobiphenyl
Concen: 0.366 ng
RT: 13.56 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:172 Resp: 2421

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.9	44.9
170	25.4	21.8	32.8



Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

Manual Integrations APPROVED
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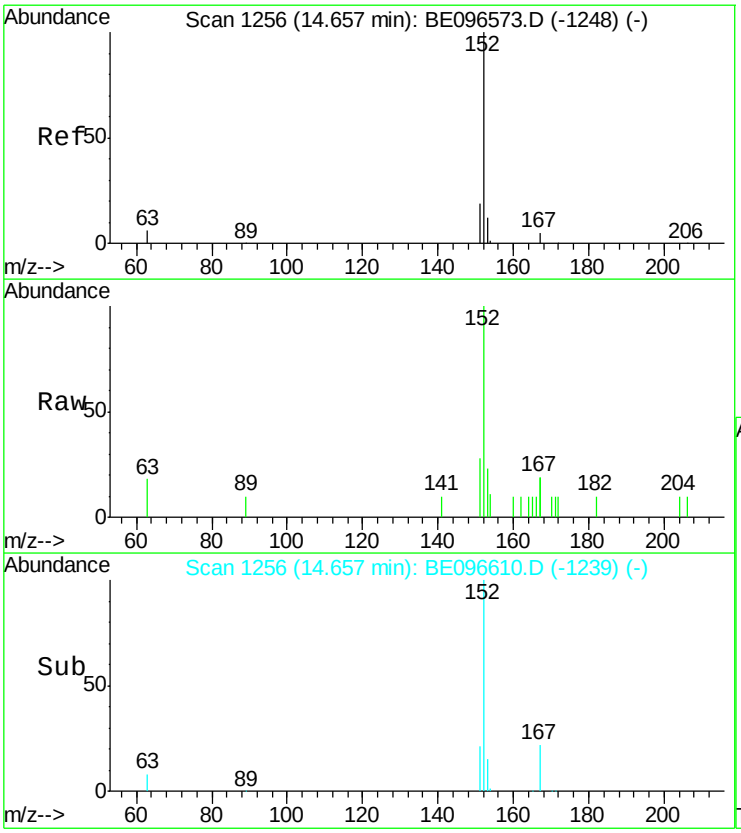
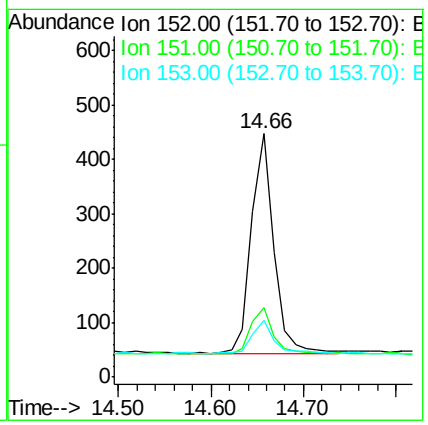
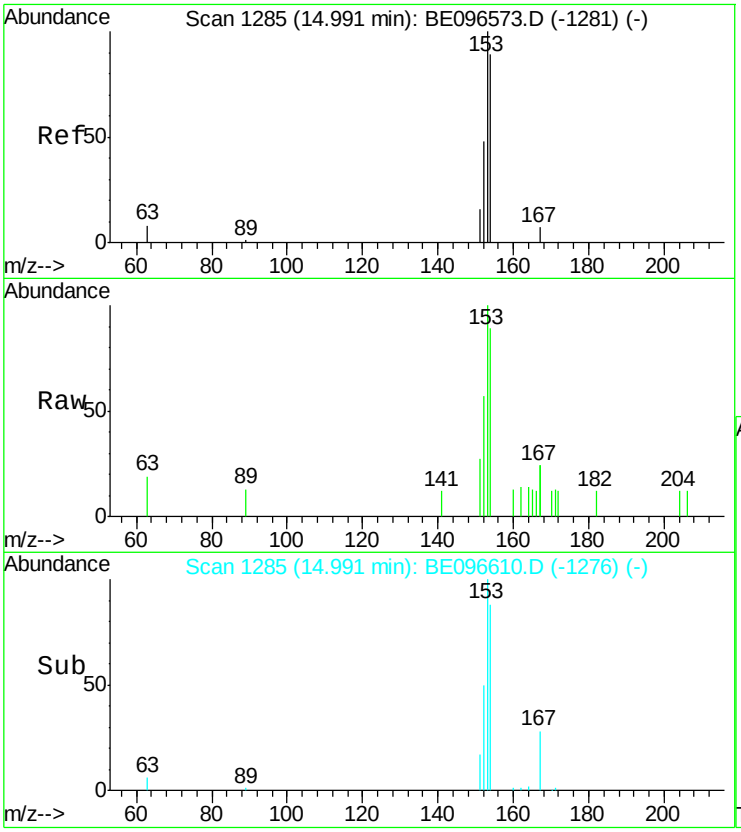


#16
Acenaphthylene
Concen: 0.085 ng
RT: 14.66 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:152 Resp: 681

Ion	Ratio	Lower	Upper
152	100		
151	21.4	15.7	23.5
153	15.4	10.5	15.7

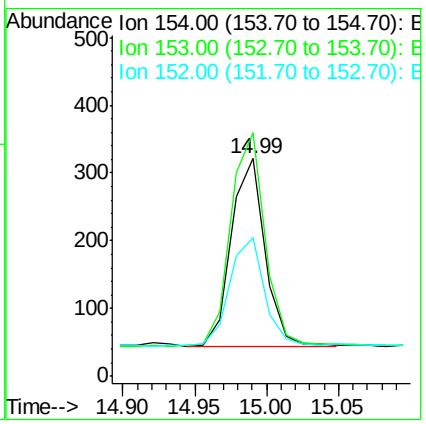




#17
Acenaphthene
Concen: 0.093 ng
RT: 14.99 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:154 Resp: 458

Ion	Ratio	Lower	Upper
154	100		
153	115.9	89.2	133.8
152	59.8	42.0	63.0



Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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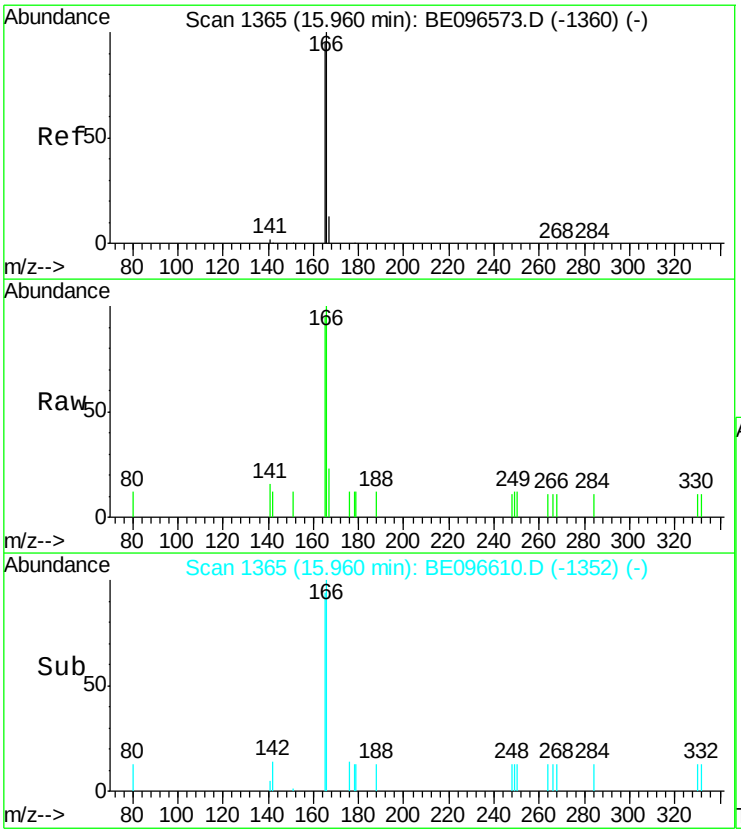
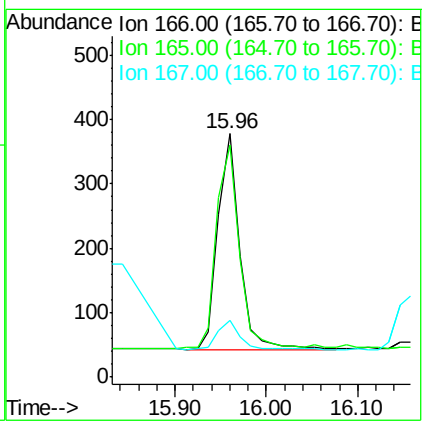
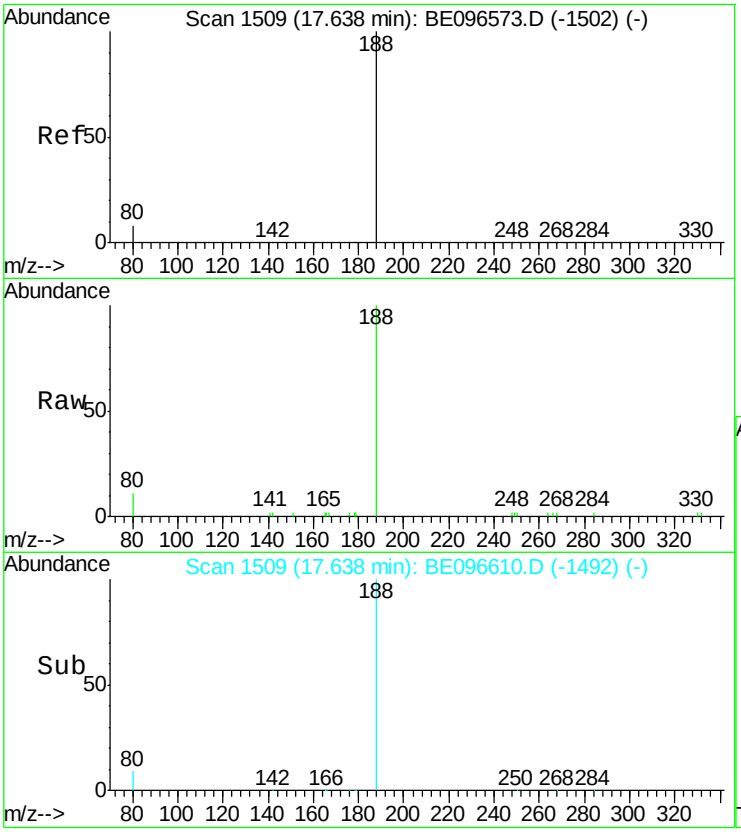


#18
Fluorene
Concen: 0.091 ng
RT: 15.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:166 Resp: 554

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.8	116.6
167	14.1	42.4	63.6#





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.64 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:188 Resp: 3559

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.0	3.6	5.4#

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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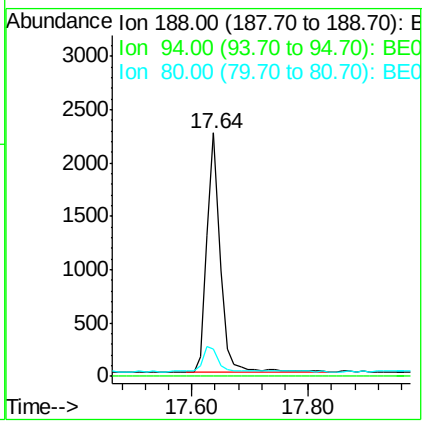
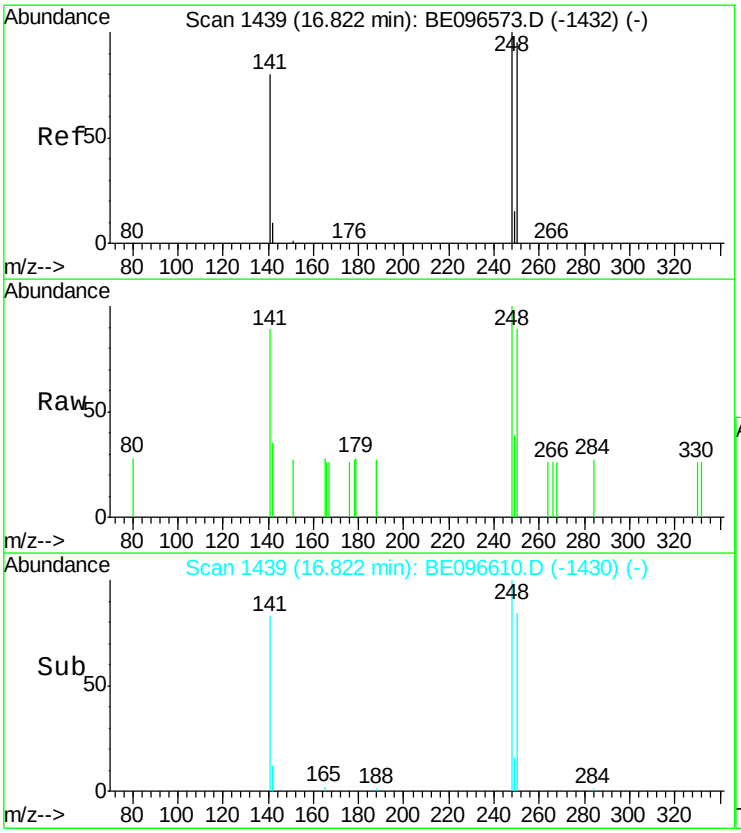
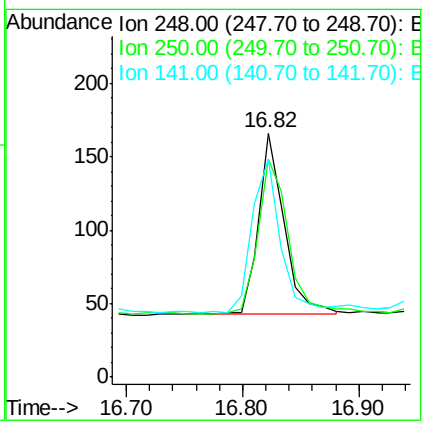


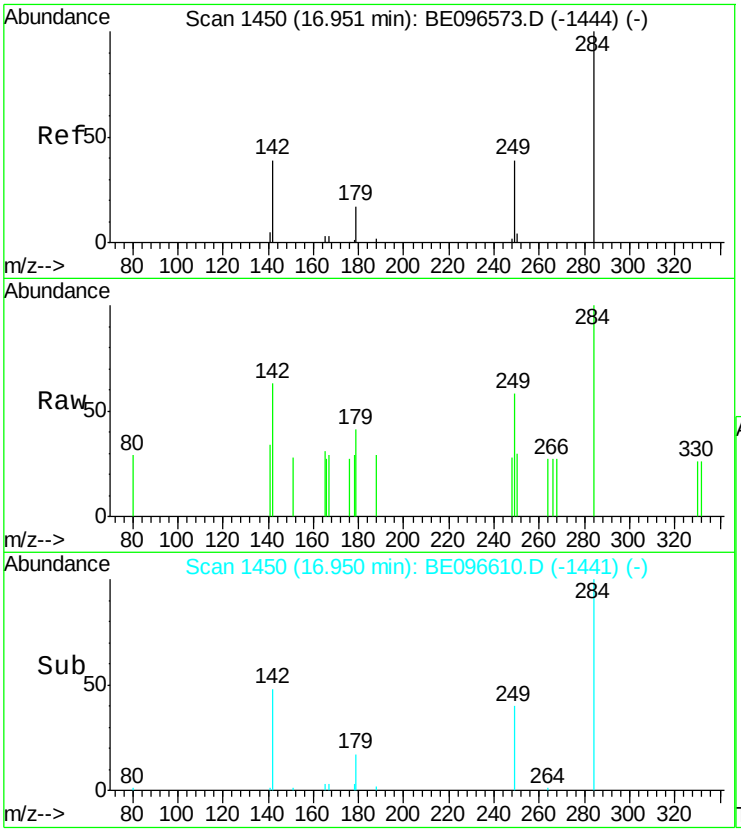


#20
4-Bromophenyl-phenylether
Concen: 0.088 ng
RT: 16.82 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:248 Resp: 189

Ion	Ratio	Lower	Upper
248	100		
250	89.2	62.7	94.1
141	89.2	48.2	72.2#

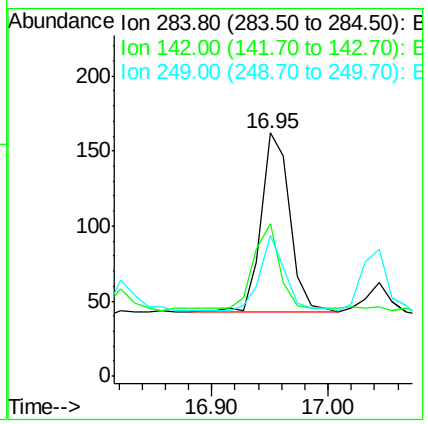




#21
Hexachlorobenzene
Concen: 0.090 ng
RT: 16.95 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:284 Resp: 203

Ion	Ratio	Lower	Upper
284	100		
142	42.4	22.1	33.1#
249	36.0	34.8	52.2



Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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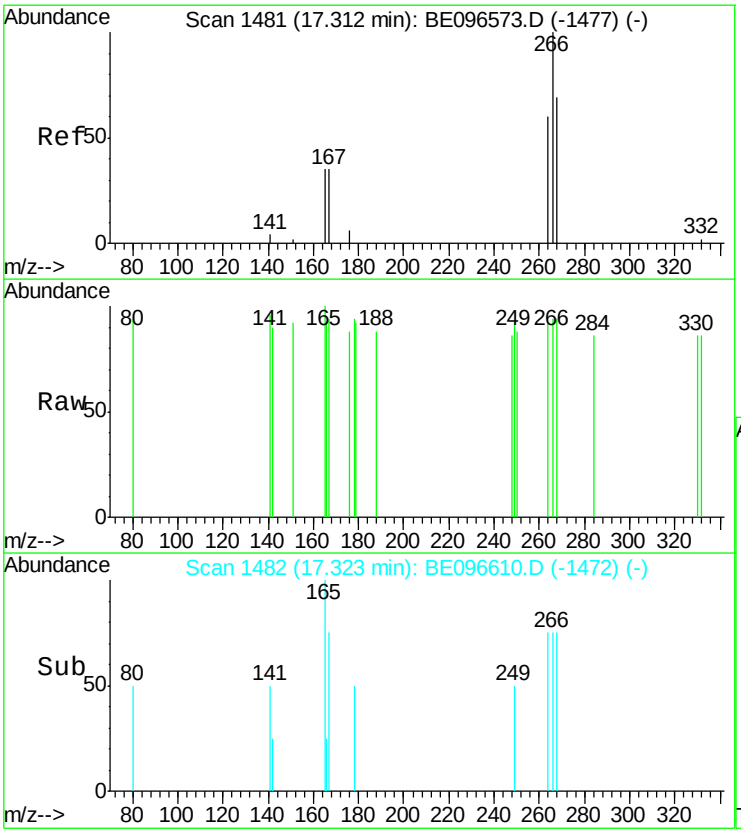
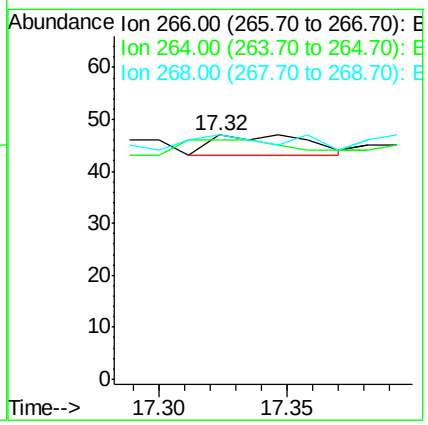
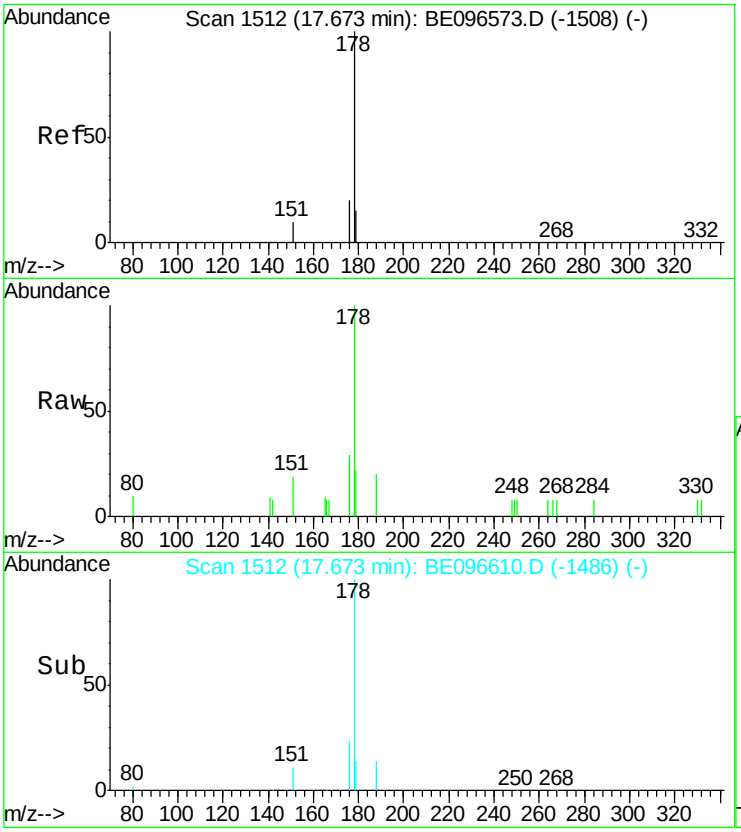


#22
Pentachlorophenol
Concen: 0.196 ng
RT: 17.32 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:266 Resp: 10

Ion	Ratio	Lower	Upper
266	100		
264	97.9	72.5	108.7
268	100.0	73.8	110.6





#23
Phenanthrene
Concen: 0.088 ng
RT: 17.67 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:178 Resp: 876

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.1	22.7
179	14.0	11.8	17.6

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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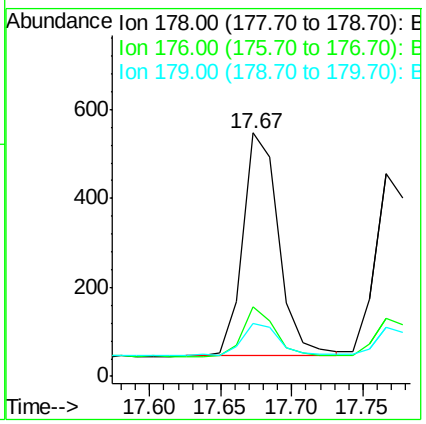
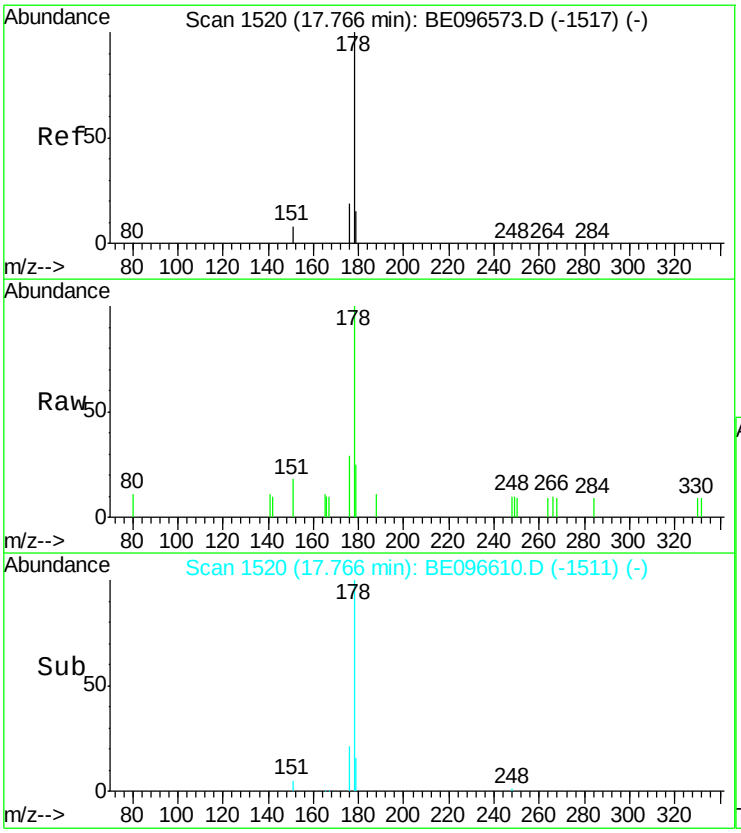
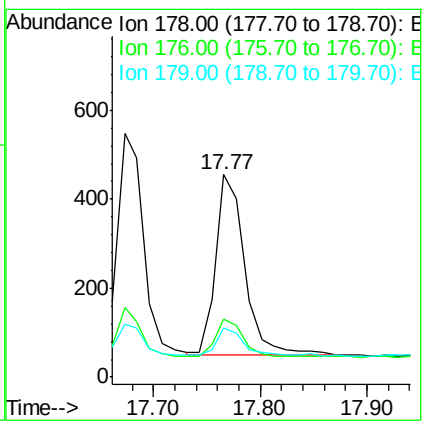


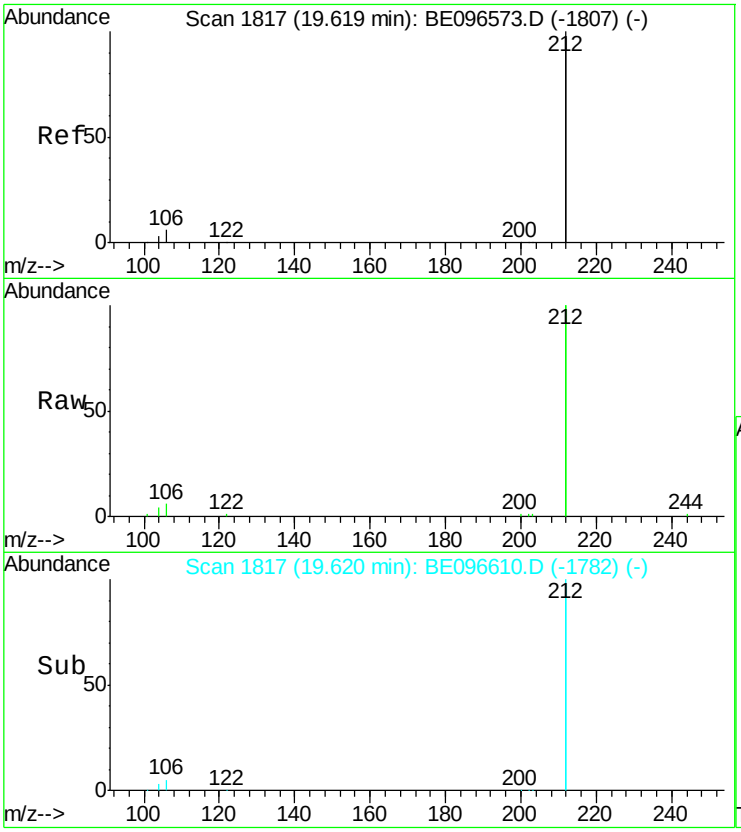


#24
Anthracene
Concen: 0.082 ng
RT: 17.77 min Scan# 1520
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:178 Resp: 759

Ion	Ratio	Lower	Upper
178	100		
176	20.0	12.8	19.2#
179	15.4	13.0	19.6

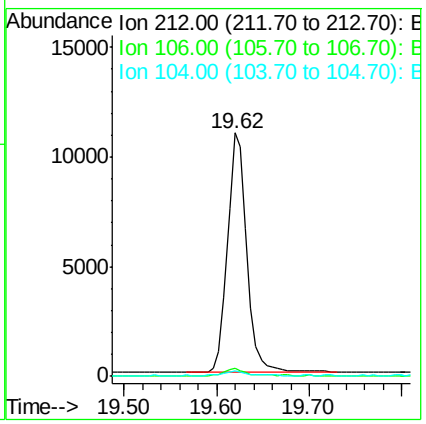




#25
Fluoranthene-d10
Concen: 0.365 ng
RT: 19.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:212 Resp: 15868

Ion	Ratio	Lower	Upper
212	100		
106	2.6	2.8	4.2#
104	1.6	1.6	2.4#



Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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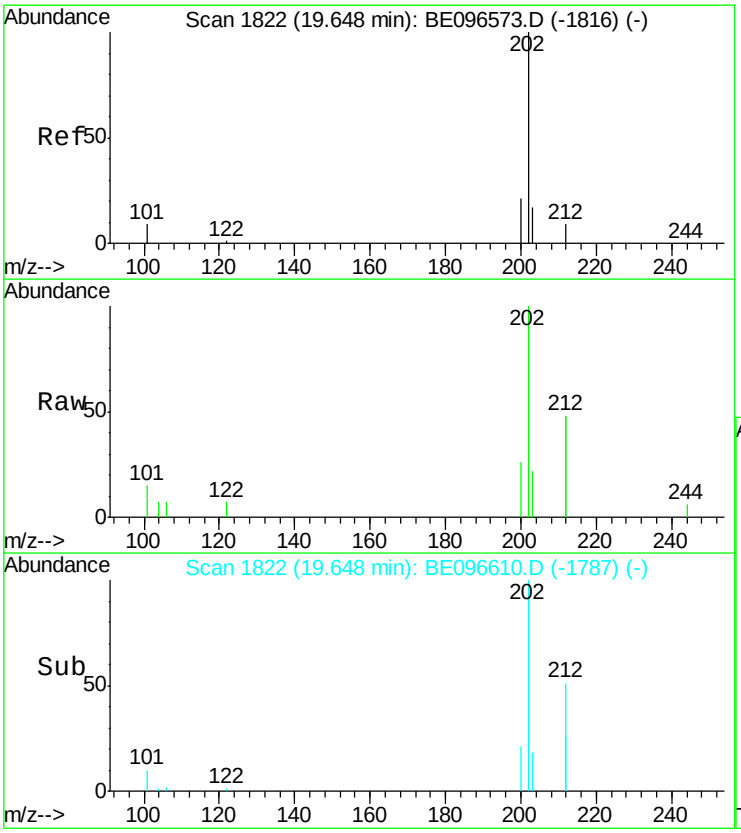
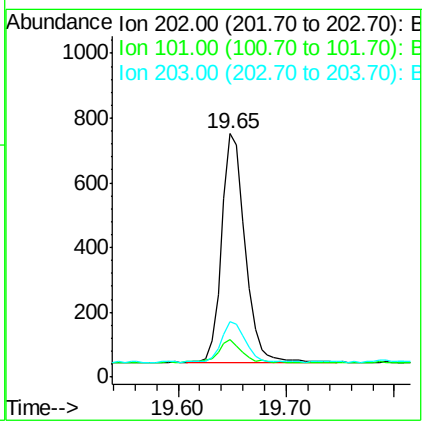
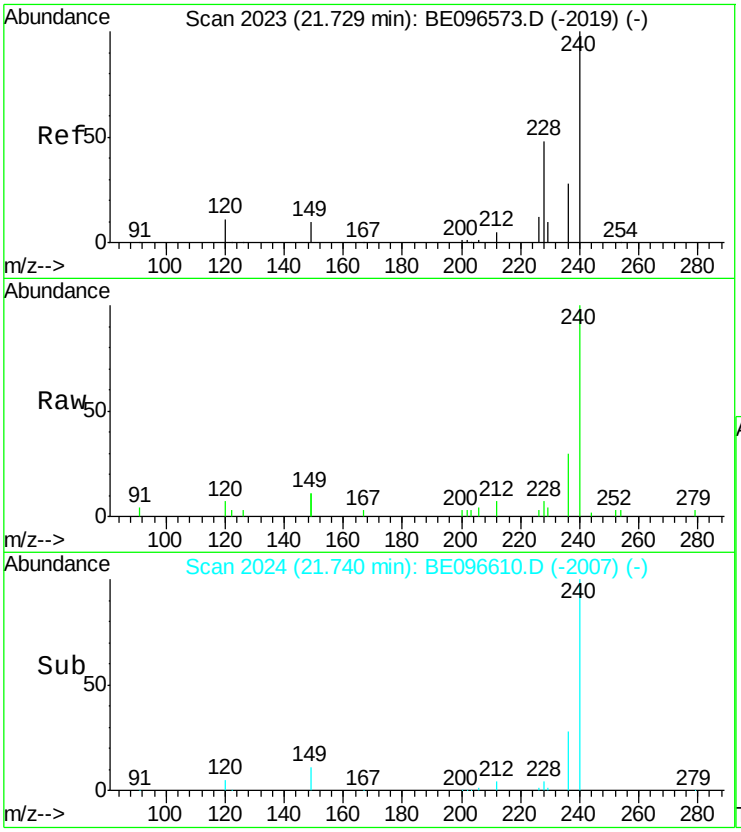


#26
Fluoranthene
Concen: 0.088 ng
RT: 19.65 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:202 Resp: 1053

Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.8	14.8
203	18.9	13.7	20.5

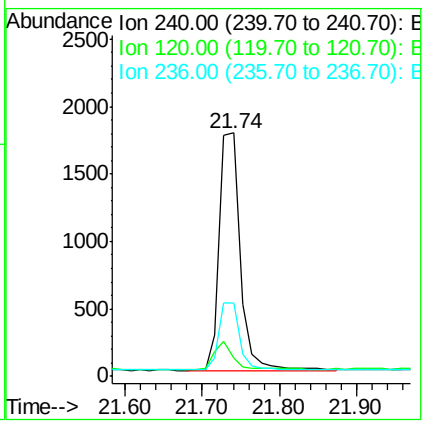




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.74 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:240 Resp: 3311

Ion	Ratio	Lower	Upper
240	100		
120	7.4	5.5	8.3
236	30.0	20.7	31.1



Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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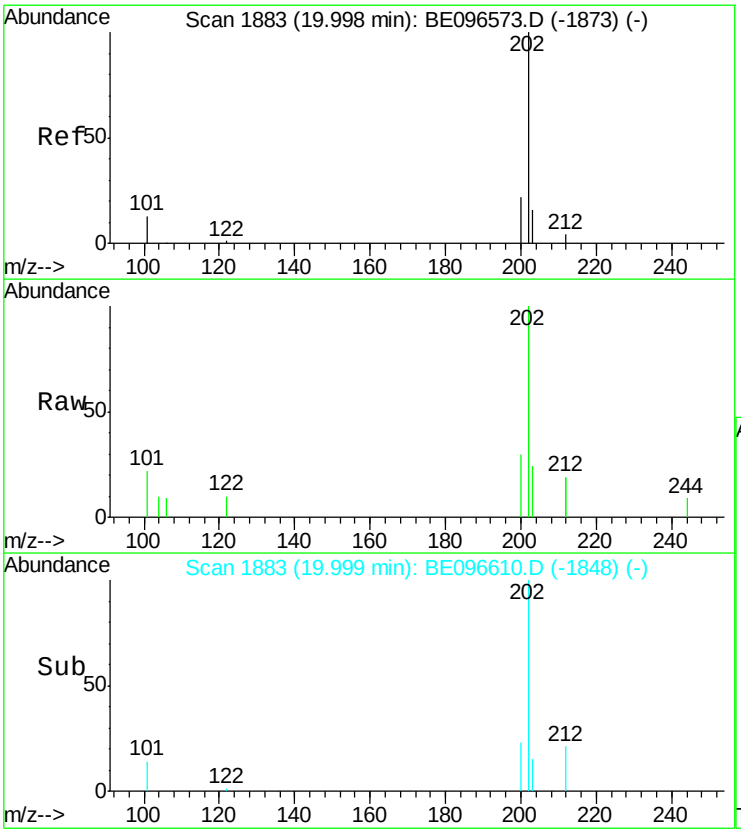
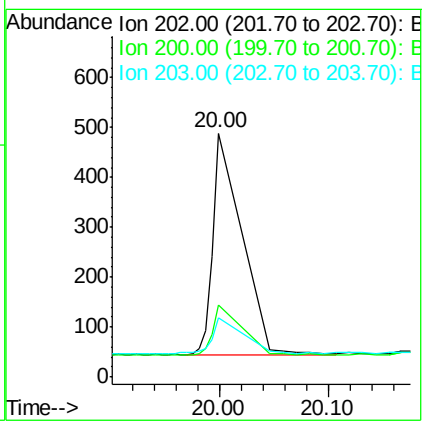
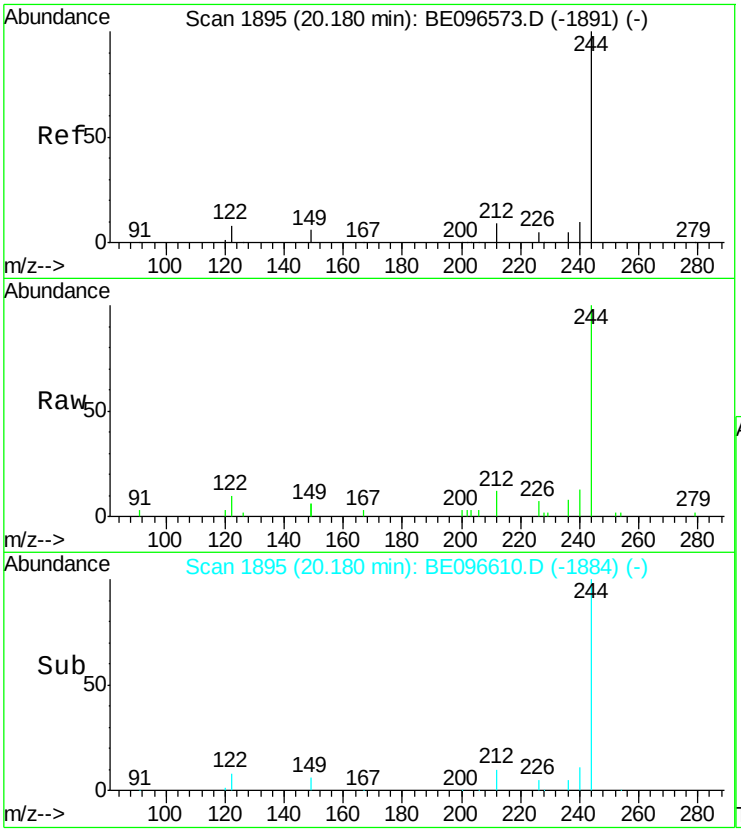


#28
Pyrene
Concen: 0.091 ng
RT: 20.00 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:202 Resp: 544

Ion	Ratio	Lower	Upper
202	100		
200	22.1	16.6	25.0
203	16.7	13.8	20.8





#29
Terphenyl-d14
Concen: 0.340 ng
RT: 20.18 min Scan# 1895
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:244 Resp: 2548

Ion	Ratio	Lower	Upper
244	100		
212	11.8	25.4	38.0#
122	10.1	8.1	12.1

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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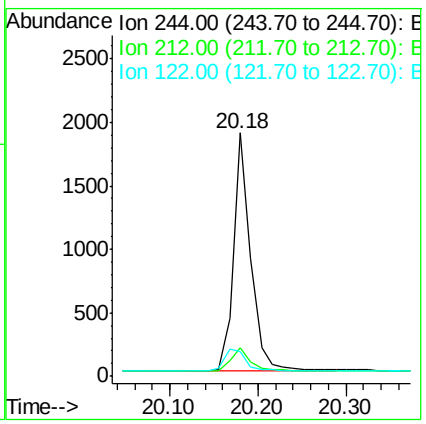
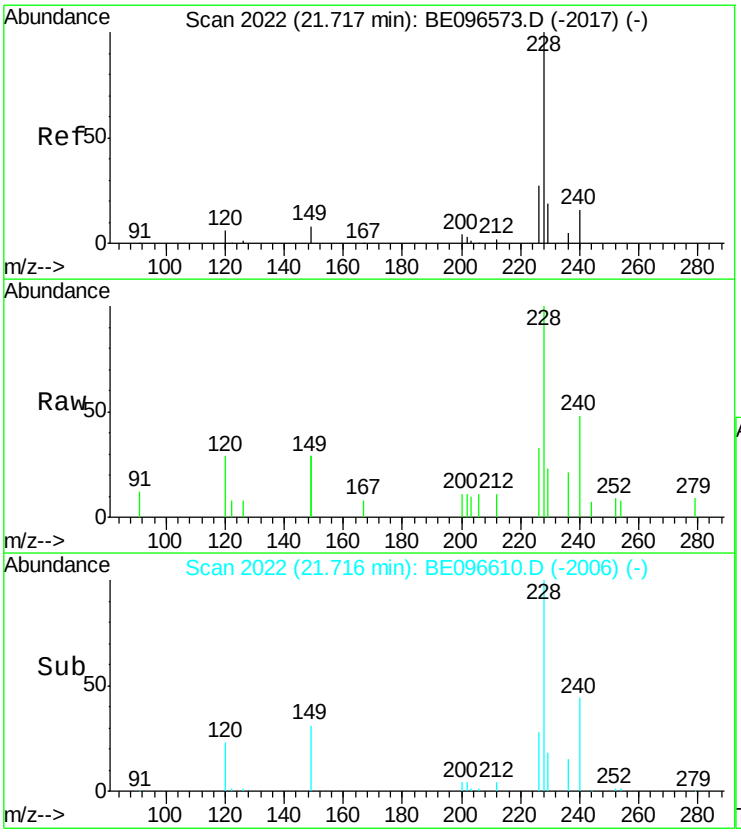
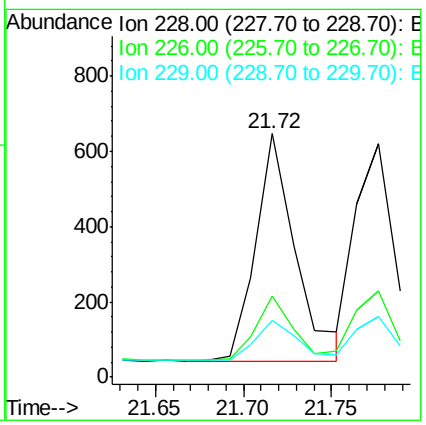


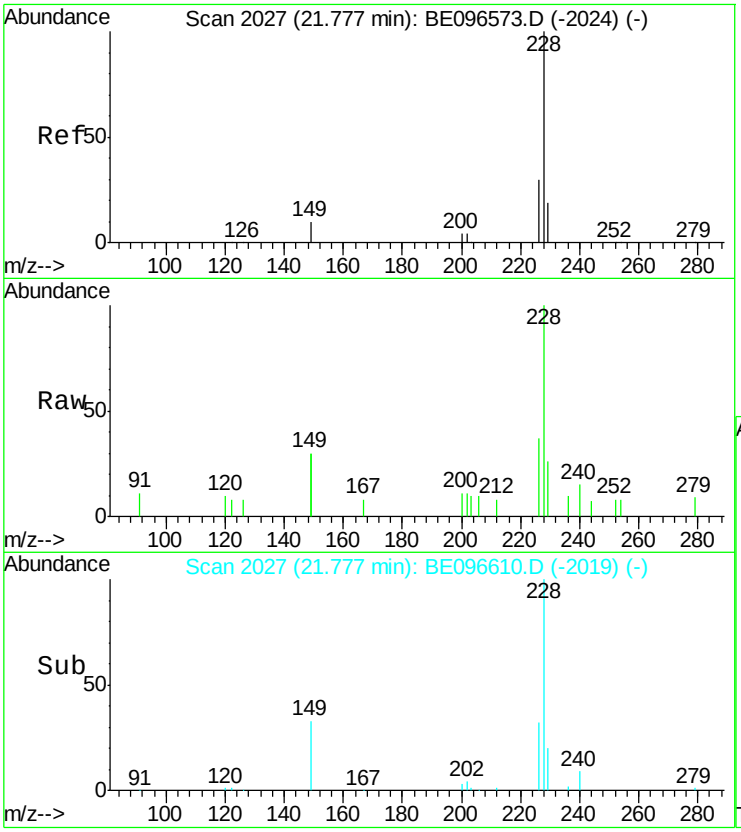


#30
Benzo(a)anthracene
Concen: 0.092 ng
RT: 21.72 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:228 Resp: 941

Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.0	36.0
229	23.5	16.0	24.0





#31
Chrysene
Concen: 0.084 ng
RT: 21.78 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:228 Resp: 893

Ion	Ratio	Lower	Upper
228	100		
226	37.1	24.0	36.0#
229	25.7	16.0	24.0#

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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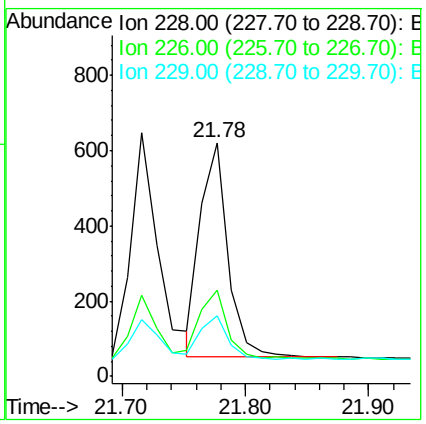
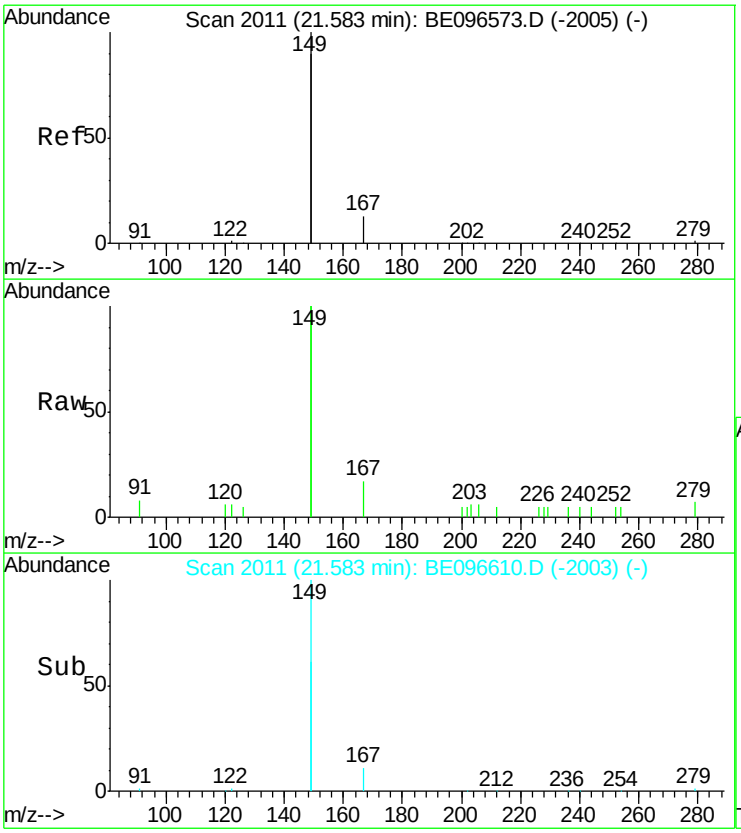
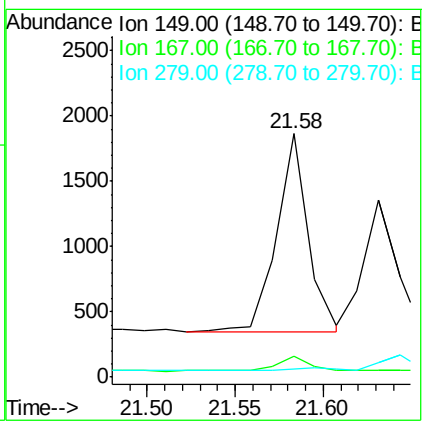


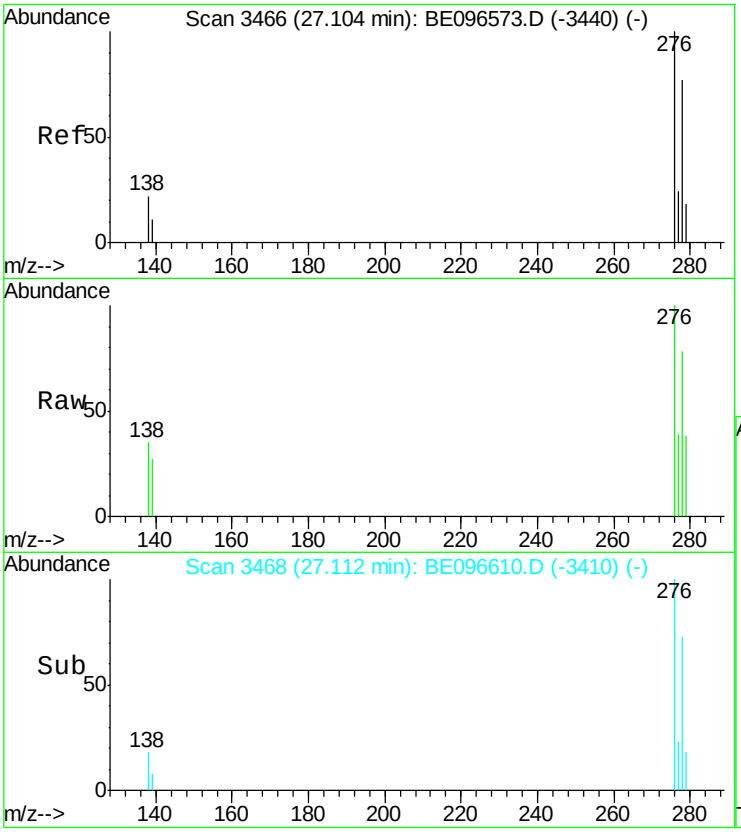


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.086 ng
RT: 21.58 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:149 Resp: 1870

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.4	8.0
279	0.0	0.7	1.1#





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.079 ng
RT: 27.11 min Scan# 3468
Delta R.T. 0.01 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:276 Resp: 806

Ion	Ratio	Lower	Upper
276	100		
138	8.2	22.5	33.7#
277	23.3	19.9	29.9

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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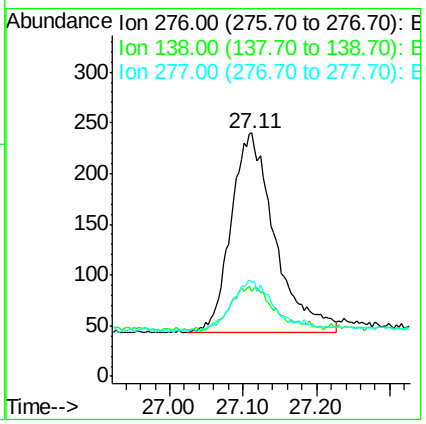
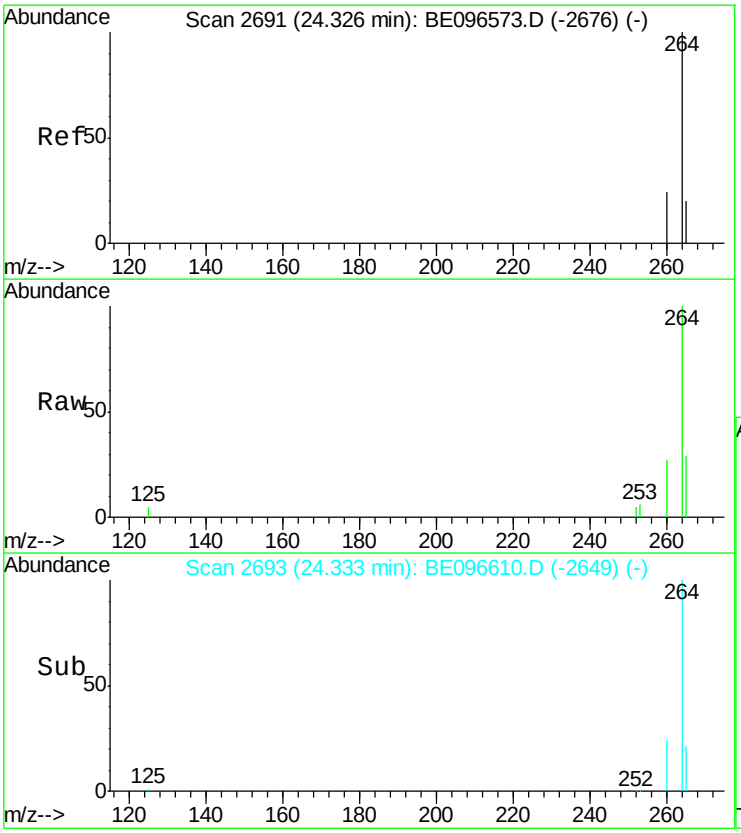
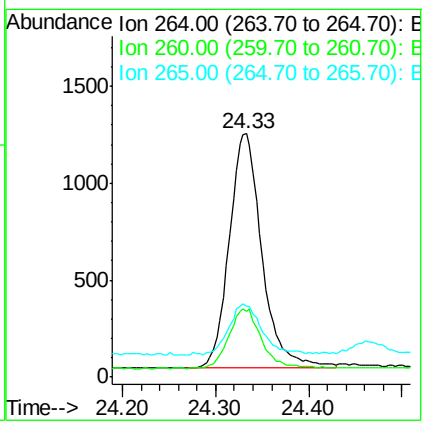


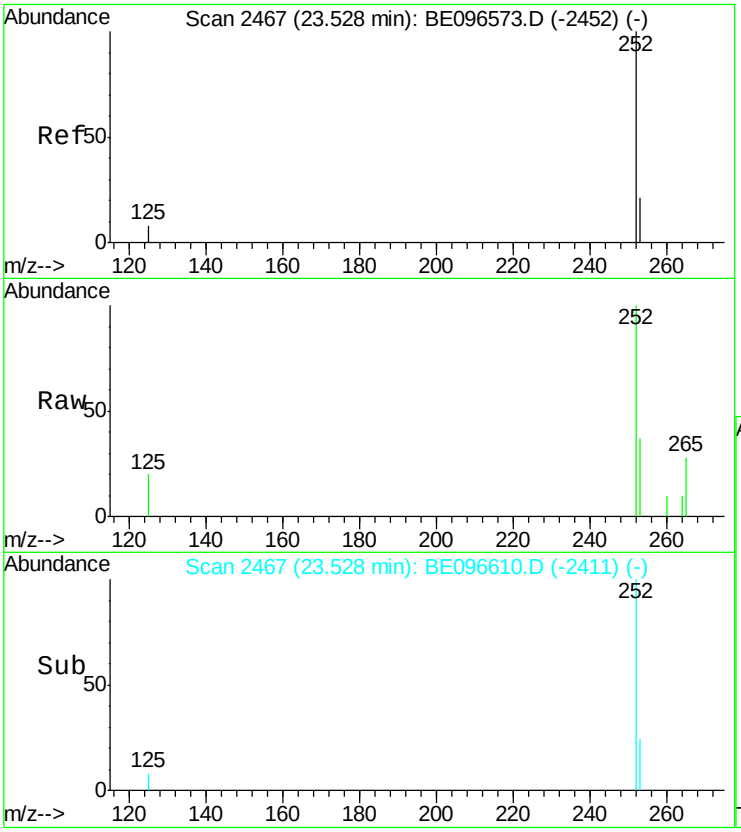


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.33 min Scan# 2693
Delta R.T. 0.01 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:264 Resp: 2967

Ion	Ratio	Lower	Upper
264	100		
260	27.1	20.5	30.7
265	29.2	22.8	34.2





#35
Benzo(b)fluoranthene
Concen: 0.091 ng
RT: 23.53 min Scan# 2467
Delta R.T. -0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:252 Resp: 835

Ion	Ratio	Lower	Upper
252	100		
253	36.6	20.0	30.0#
125	19.6	16.0	24.0

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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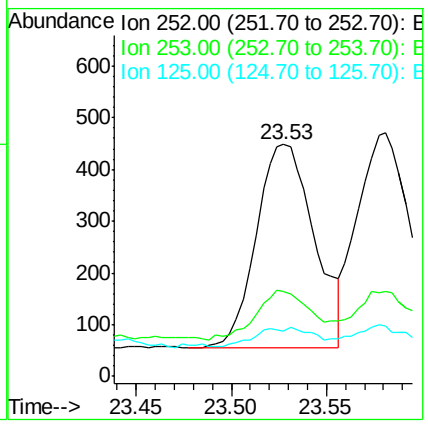
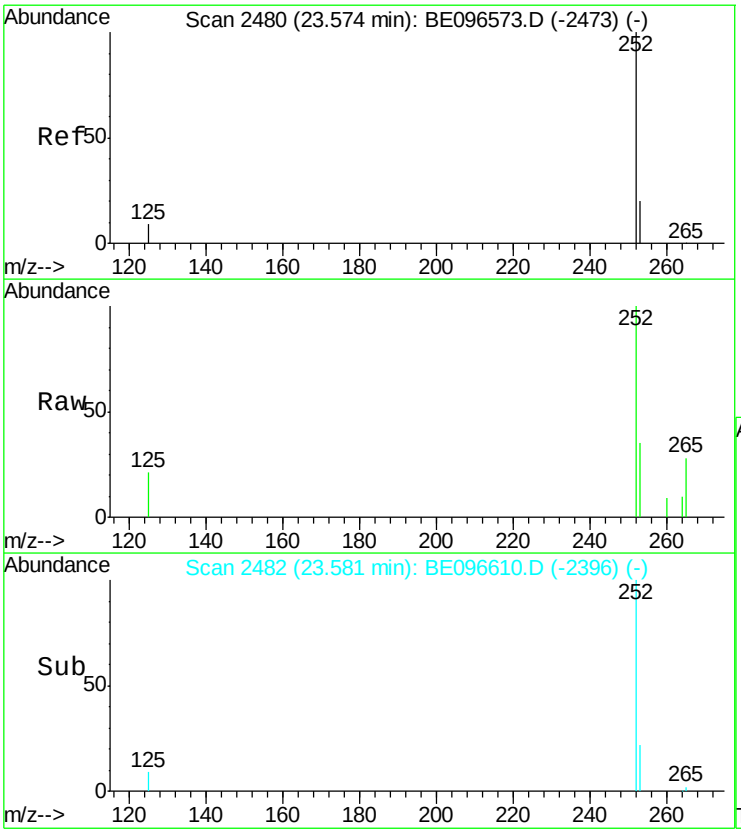
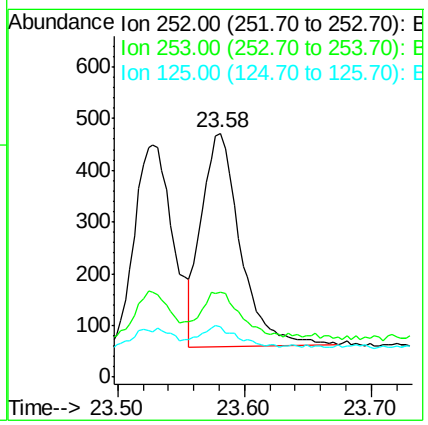


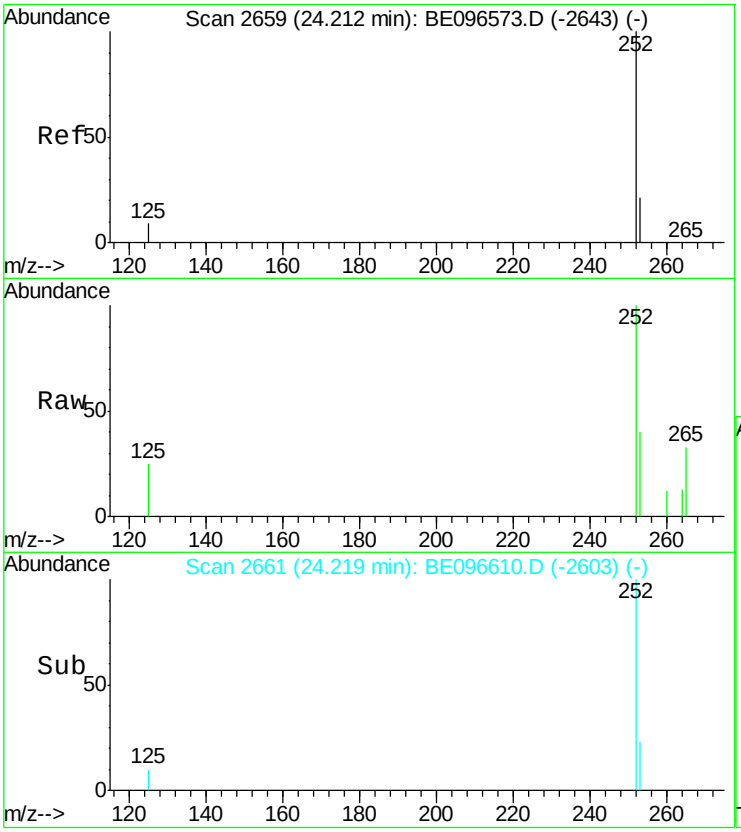


#36
Benzo(k)fluoranthene
Concen: 0.089 ng
RT: 23.58 min Scan# 2482
Delta R.T. 0.01 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:252 Resp: 864

Ion	Ratio	Lower	Upper
252	100		
253	35.0	16.0	24.0#
125	20.6	8.0	12.0#





#37
Benzo(a)pyrene
Concen: 0.086 ng
RT: 24.22 min Scan# 2661
Delta R.T. 0.01 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:252 Resp: 754

Ion	Ratio	Lower	Upper
252	100		
253	40.4	16.0	24.0#
125	25.1	12.0	18.0#

Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

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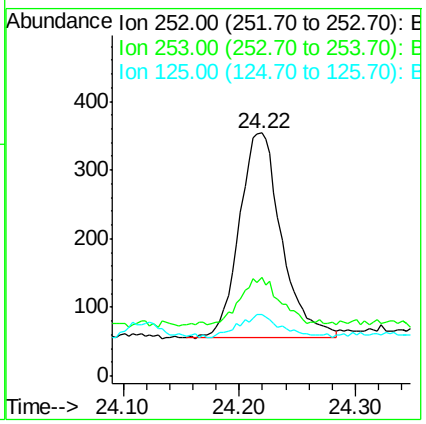
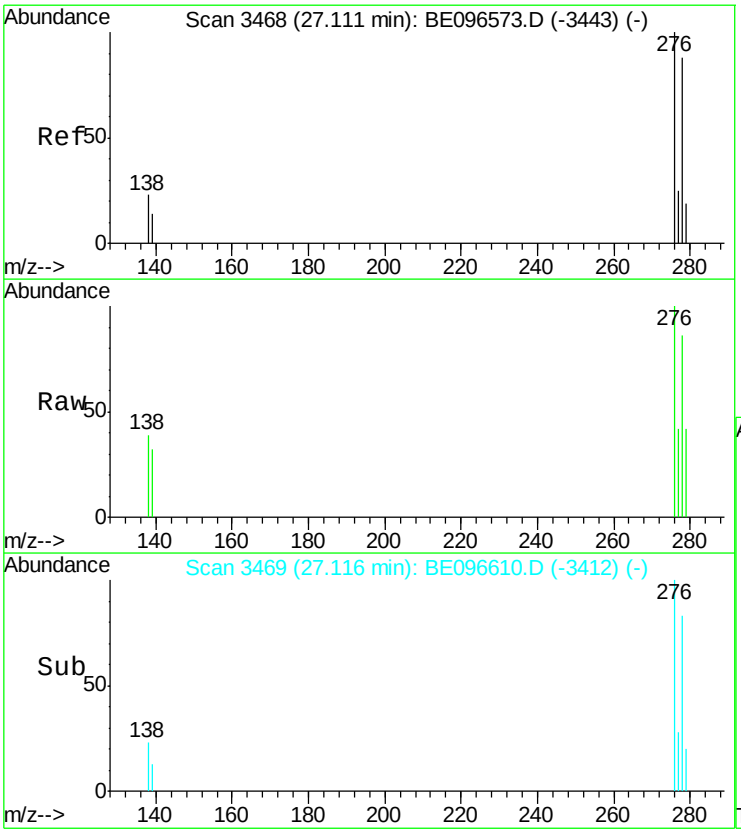
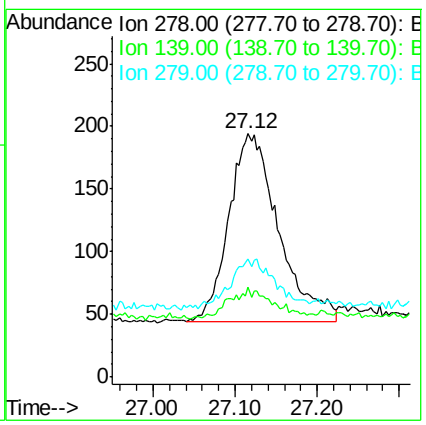


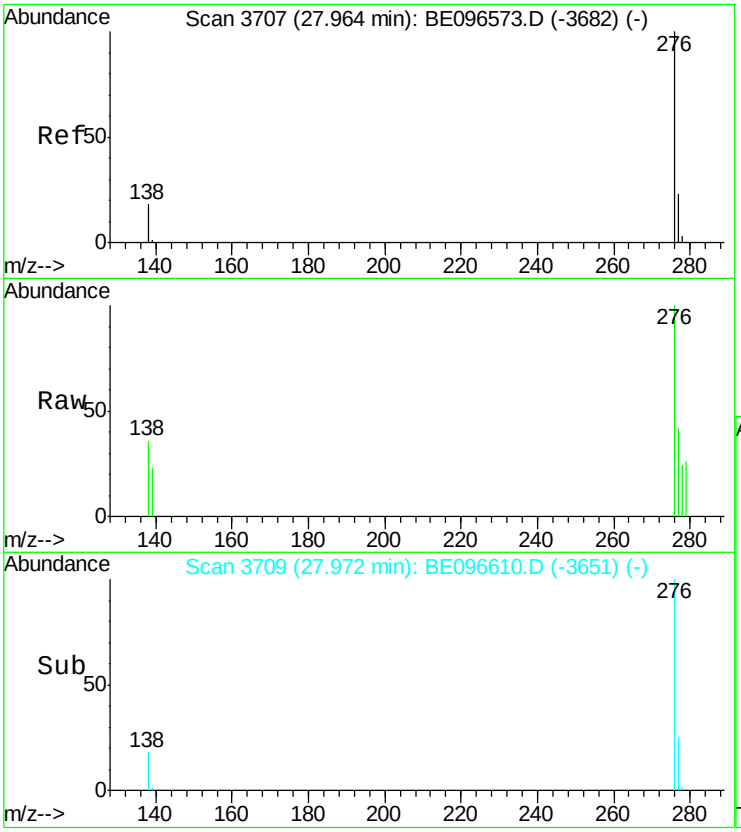


#38
Dibenzo(a,h)anthracene
Concen: 0.079 ng
RT: 27.12 min Scan# 3469
Delta R.T. 0.00 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:278 Resp: 633

Ion	Ratio	Lower	Upper
278	100		
139	37.1	16.0	24.0#
279	48.5	20.0	30.0#

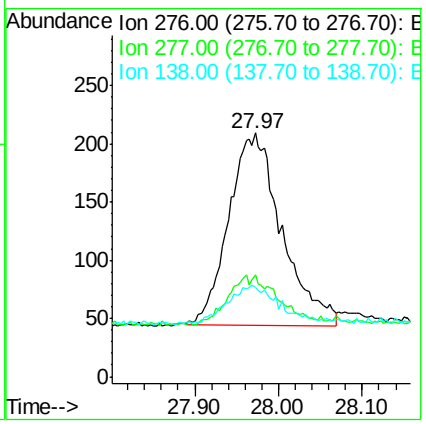




#39
Benzo(g,h,i)perylene
Concen: 0.087 ng m
RT: 27.97 min Scan# 3709
Delta R.T. 0.01 min
Lab File: BE096610.D
Acq: 17 May 2018 15:22

Tgt Ion:276 Resp: 726

Ion	Ratio	Lower	Upper
276	100		
277	41.6	16.0	24.0#
138	36.4	20.0	30.0#



Instrument :
BNA_E
ClientSampleId :
LOQ-NPW-Precision-Bias-1

Manual Integrations APPROVED
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