Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
Data File : BN007367.D
Acq On : 24 Aug 2019 17:19
Operator : HP/JU
Sample : K4409-11
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919

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Quant Time: Aug 25 00:27:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 24 00:38:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5941	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	25494	0.40	ng		-0.01
13) Acenaphthene-d10	14.05	164	14045	0.40	ng		0.00
19) Phenanthrene-d10	16.79	188	31724	0.40	ng		0.00
27) Chrysene-d12	21.02	240	31005	0.40	ng		0.00
34) Perylene-d12	23.13	264	34735	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.04	112	6299	0.30	ng		0.00
5) Phenol-d6	6.59	99	8336	0.31	ng		0.00
8) Nitrobenzene-d5	8.53	82	6266	0.28	ng		0.00
11) 2-Methylnaphthalene-d10	11.76	152	12489	0.29	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	2386	0.32	ng		0.00
15) 2-Fluorobiphenyl	12.66	172	15543	0.27	ng		0.00
25) Fluoranthene-d10	18.84	212	25462	0.25	ng		0.00
29) Terphenyl-d14	19.47	244	18973	0.23	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.20	128	21204	0.291	ng	#	91
12) 2-Methylnaphthalene	11.83	142	4583	0.092	ng		99
16) Acenaphthylene	13.77	152	13786	0.166	ng		98
17) Acenaphthene	14.11	154	14797	0.304	ng		98
18) Fluorene	15.10	166	23089	0.375	ng		99
23) Phenanthrene	16.84	178	783835	8.214	ng		99
24) Anthracene	16.93	178	209400	2.182	ng		97
26) Fluoranthene	18.87	202	2371407	19.355	ng		99
28) Pyrene	19.24	202	1972395	15.814	ng	#	95
30) Benzo(a)anthracene	21.00	228	1477559	12.135	ng		99
31) Chrysene	21.06	228	1181623	10.054	ng		99
32) Bis(2-ethylhexyl)phthalate	20.97	149	21268	0.251	ng	#	89
33) Indeno(1,2,3-cd)pyrene	25.19	276	690945	4.880	ng		98
35) Benzo(b)fluoranthene	22.51	252	1541216	12.246	ng	#	94
36) Benzo(k)fluoranthene	22.54	252	521707m	4.194	ng		
37) Benzo(a)pyrene	23.04	252	1142168m	9.537	ng		
38) Dibenzo(a,h)anthracene	25.19	278	186135	1.558	ng		97
39) Benzo(g,h,i)perylene	25.81	276	617234	5.184	ng		96

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

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Instrument :
BNA_N
ClientSampleId :
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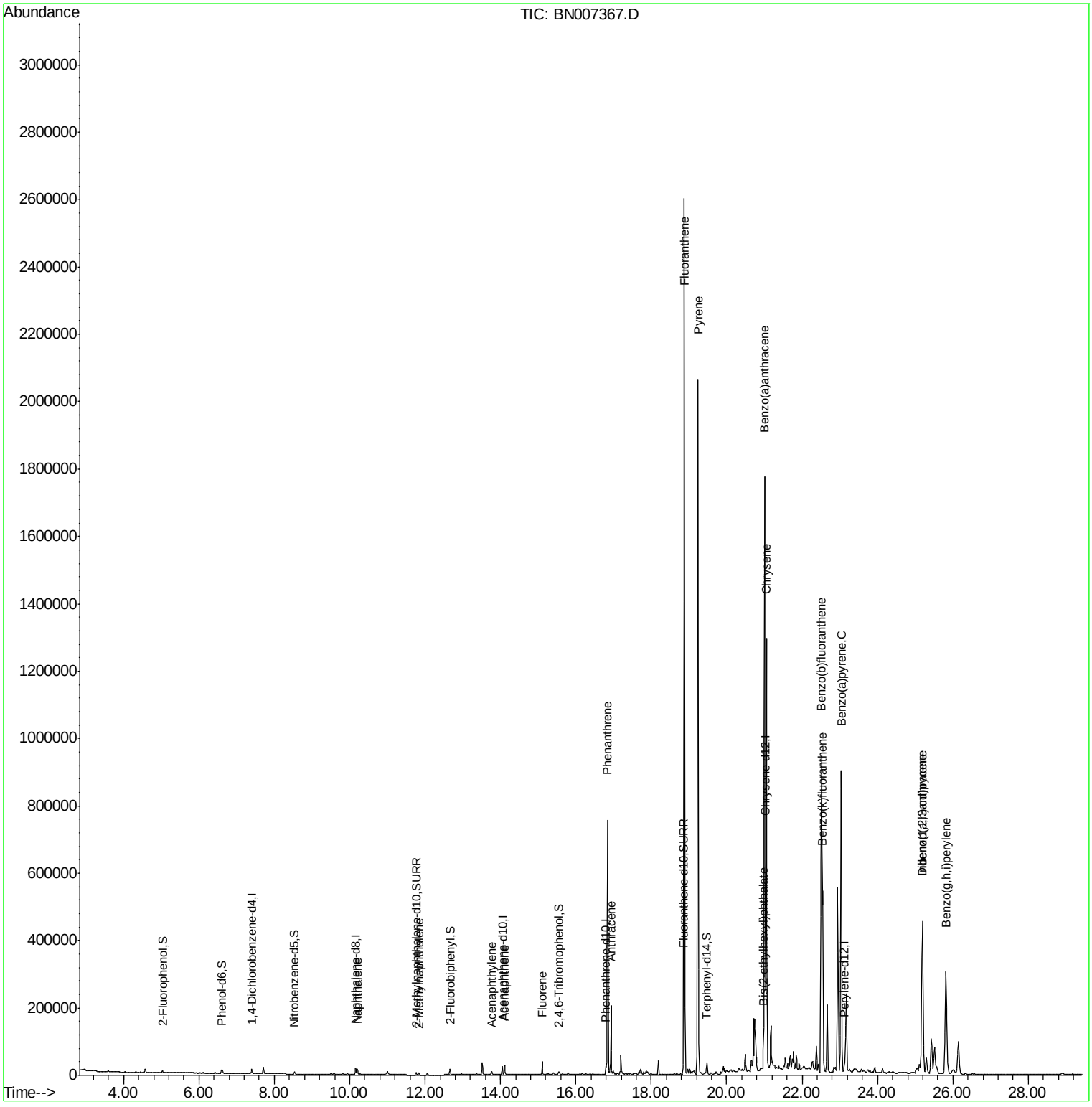
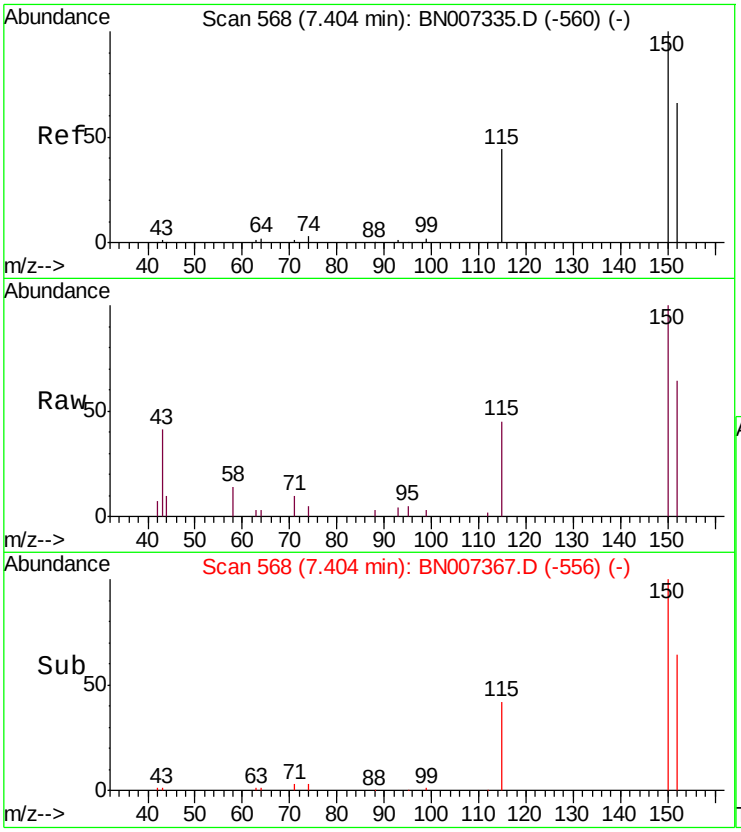
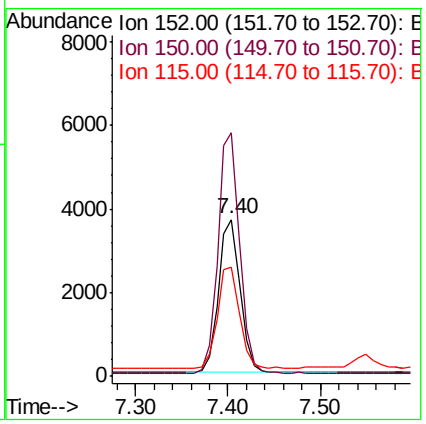




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:152 Resp: 5941

Ion	Ratio	Lower	Upper
152	100		
150	155.4	109.1	163.7
115	69.9	59.6	89.4



Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919

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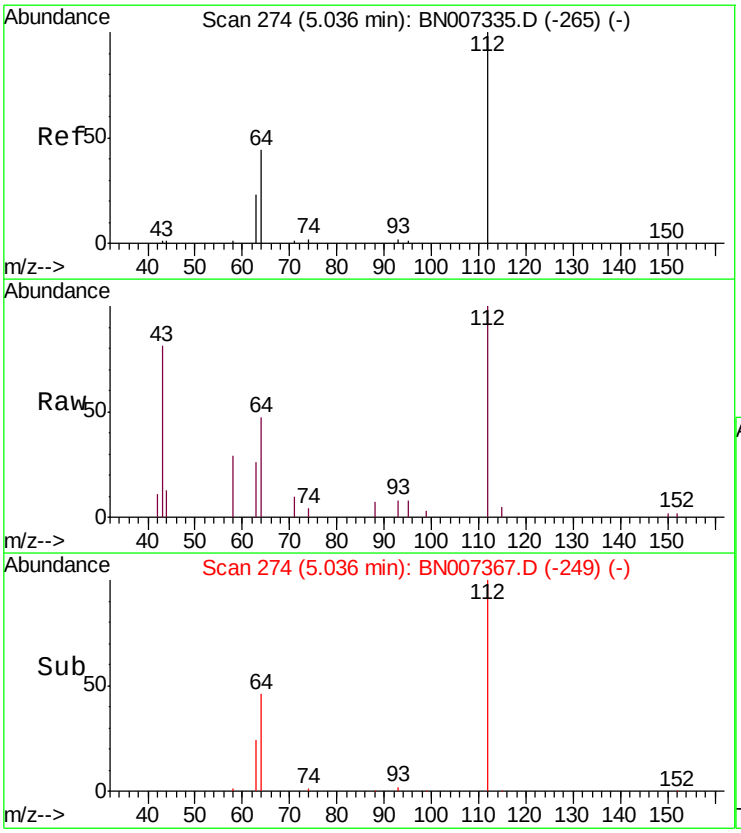
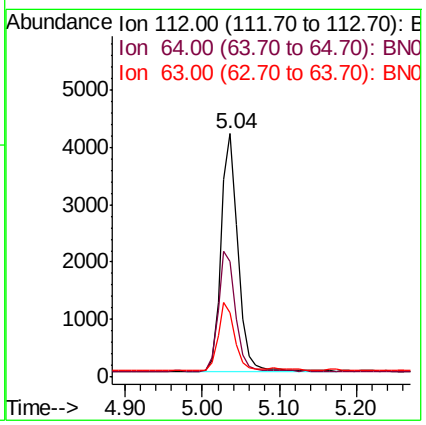
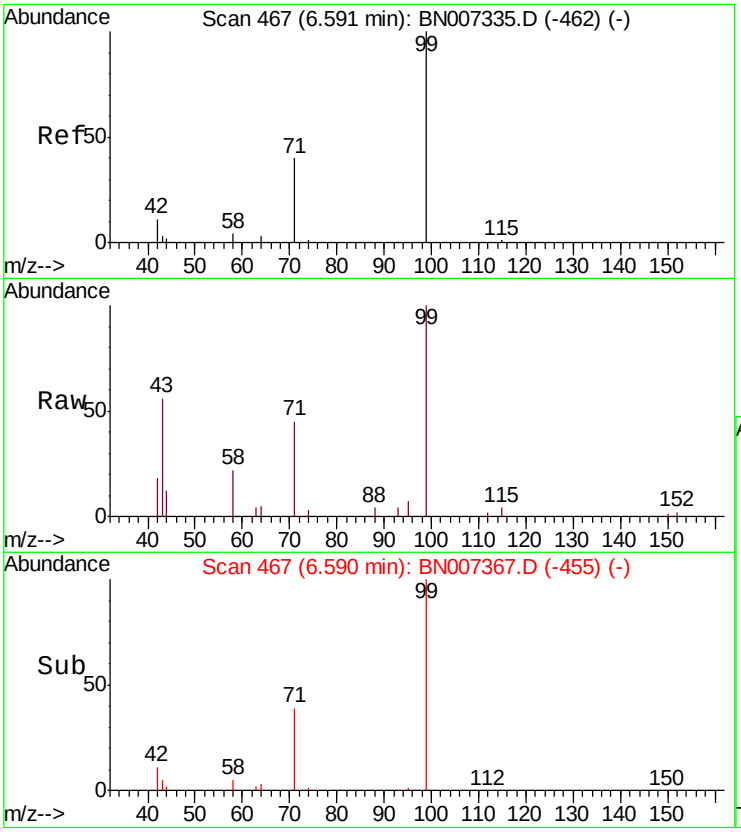


#4
2-Fluorophenol
Concen: 0.298 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:112 Resp: 6299

Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.3	63.5
63	27.9	23.6	35.4

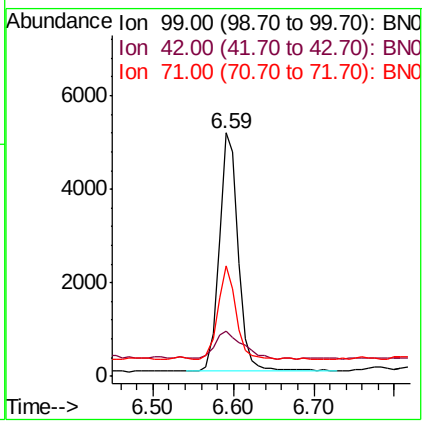




#5
Phenol-d6
Concen: 0.311 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion: 99 Resp: 8336

Ion	Ratio	Lower	Upper
99	100		
42	16.4	11.2	16.8
71	37.2	31.8	47.8



Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919

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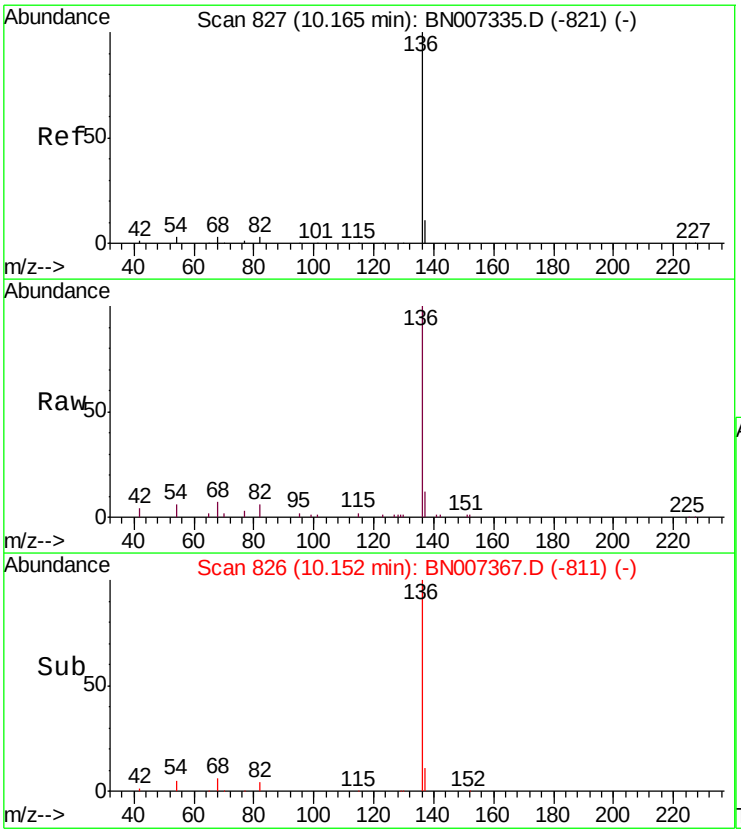
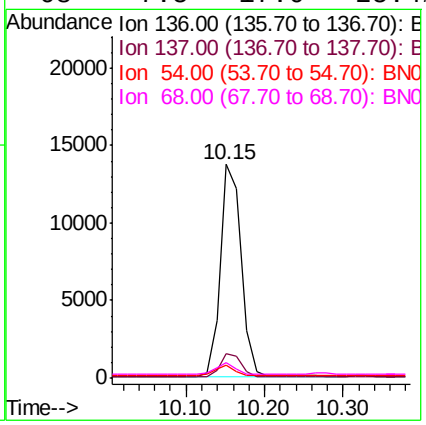
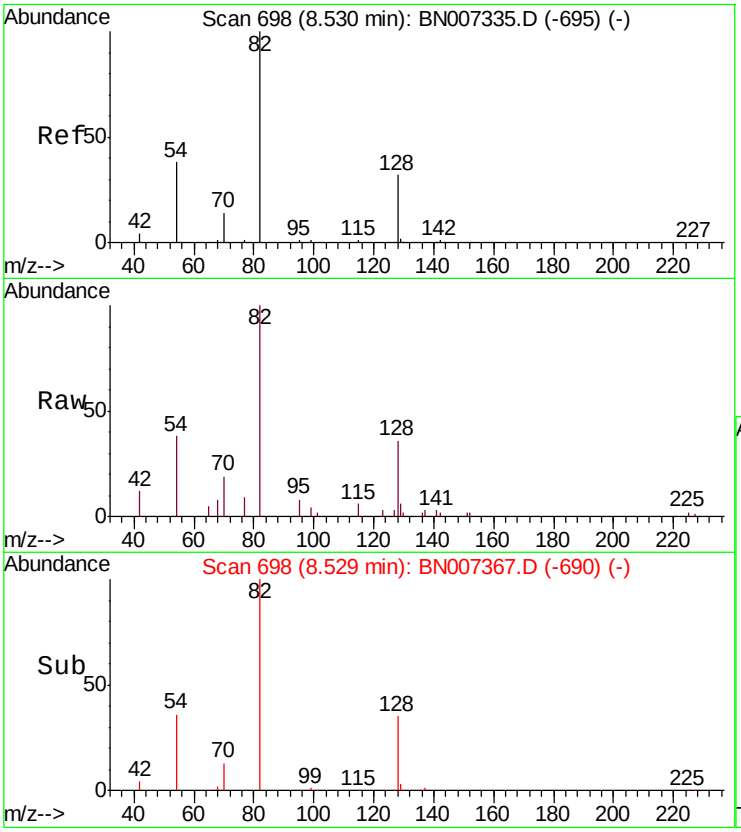


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:136 Resp: 25494

Ion	Ratio	Lower	Upper
136	100		
137	11.5	12.9	19.3#
54	6.0	8.6	12.8#
68	7.5	17.0	25.4#





#8
Nitrobenzene-d5
Concen: 0.282 ng
RT: 8.53 min Scan# 698
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion: 82 Resp: 6266

Ion	Ratio	Lower	Upper
82	100		
128	35.6	19.7	29.5#
54	38.0	25.8	38.6

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919

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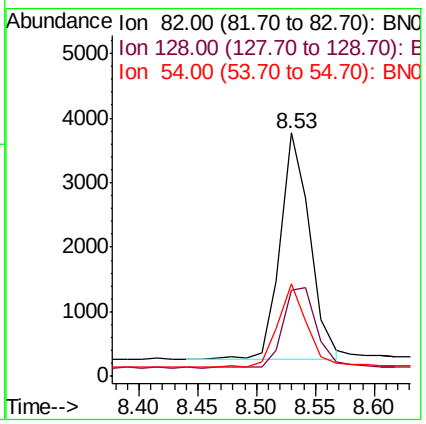
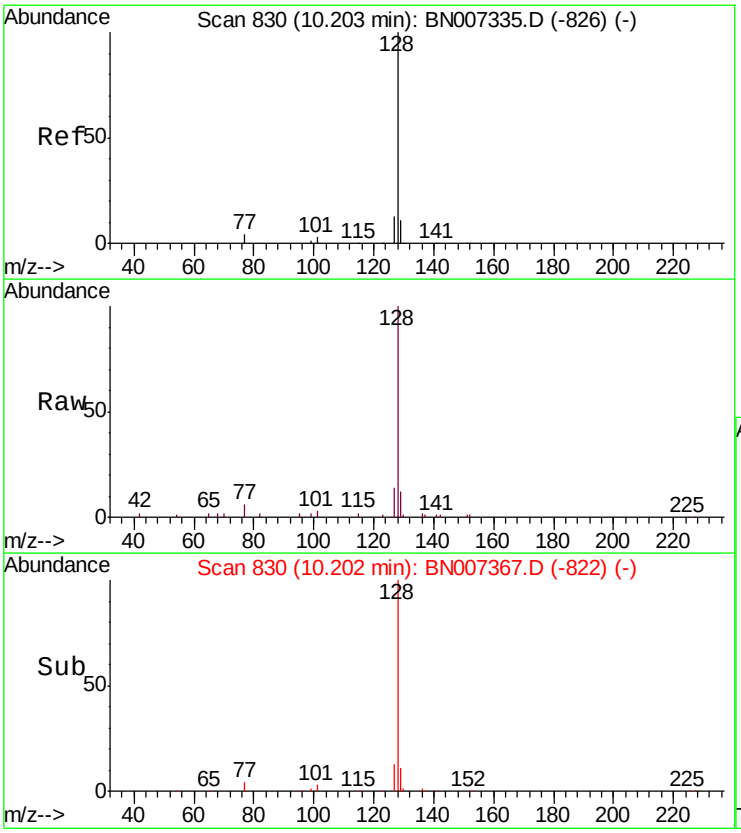
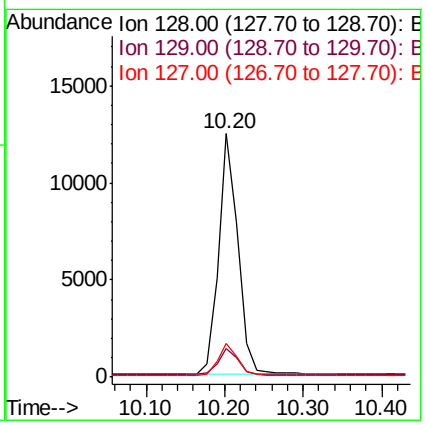


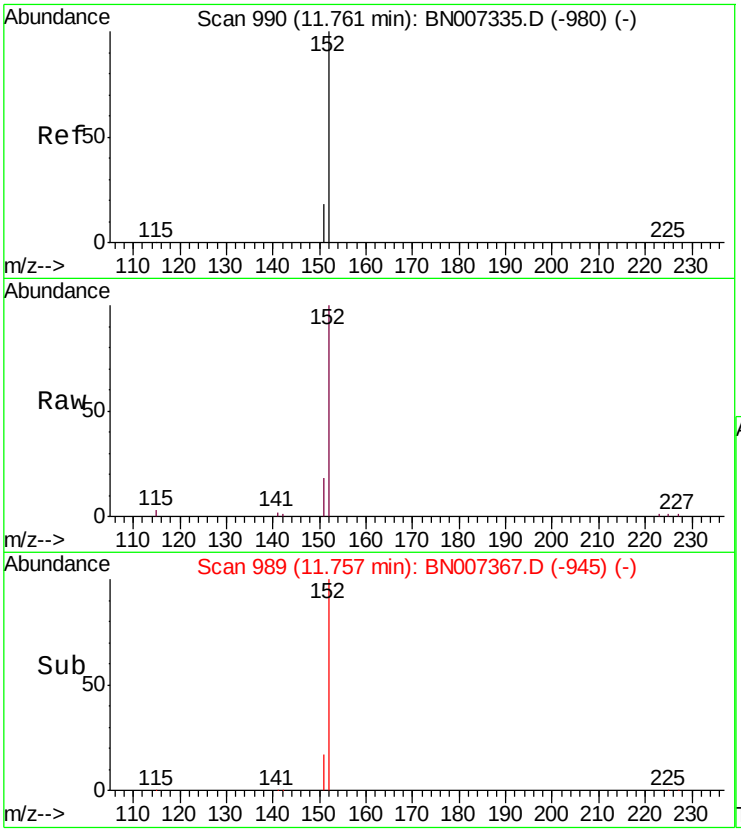


#9
Naphthalene
Concen: 0.291 ng
RT: 10.20 min Scan# 830
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:128 Resp: 21204

Ion	Ratio	Lower	Upper
128	100		
129	11.8	11.1	16.7
127	13.9	15.5	23.3#

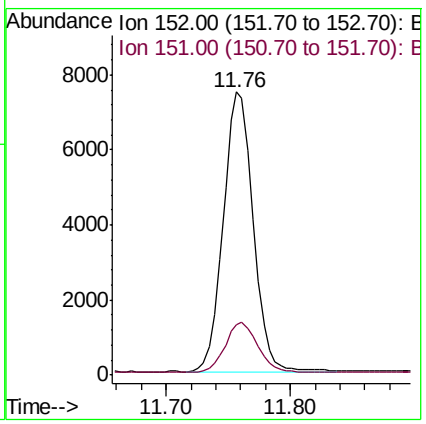




#11
2-Methylnaphthalene-d10
Concen: 0.295 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:152 Resp: 12489

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.2



Instrument :
BNA_N
ClientSampleId :
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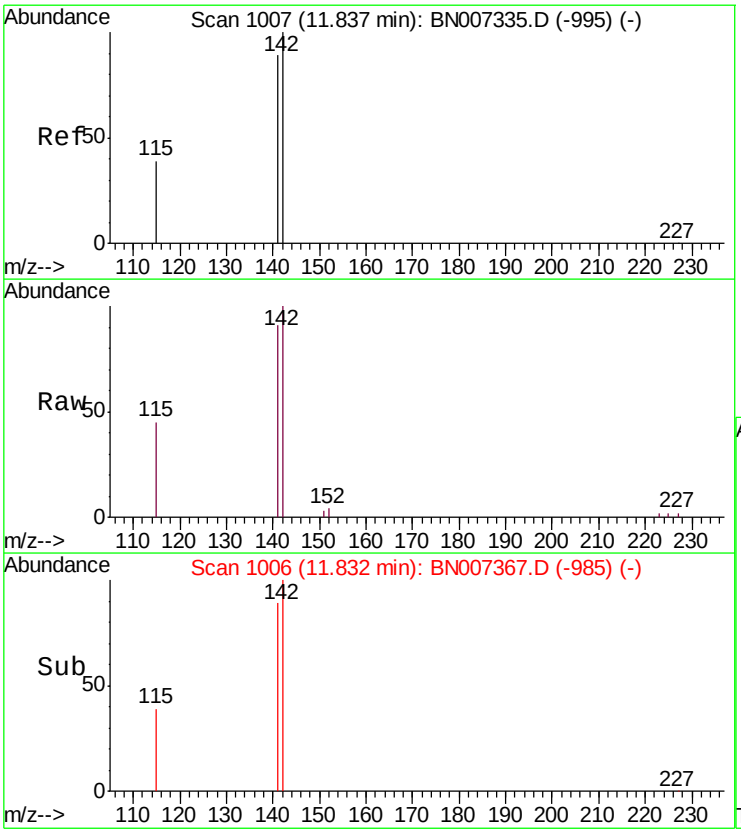
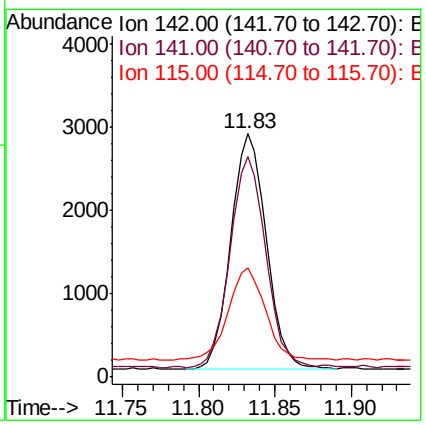
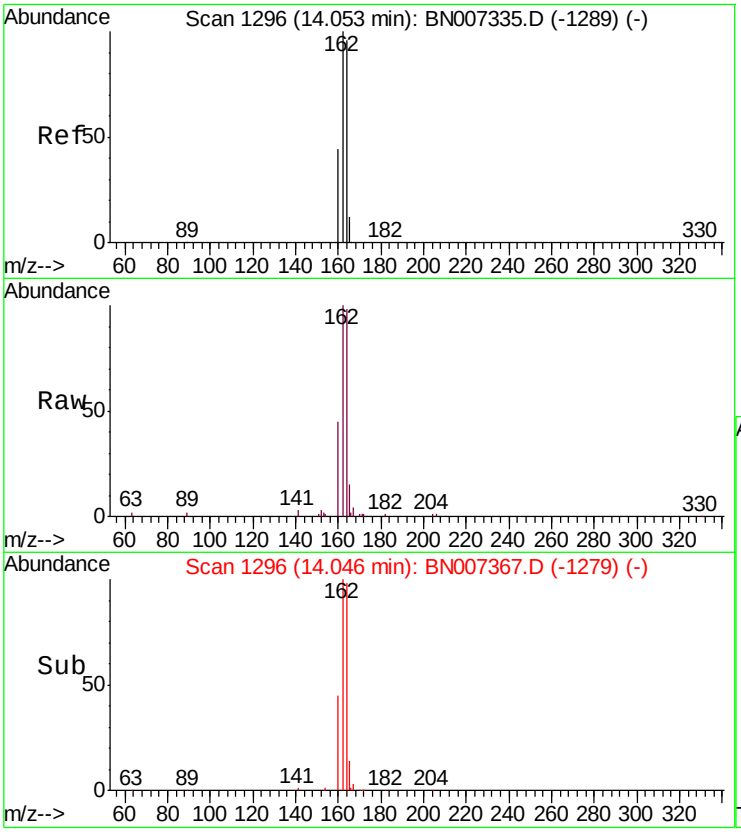


#12
2-Methylnaphthalene
Concen: 0.092 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:142 Resp: 4583

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.8	109.2
115	45.1	35.2	52.8

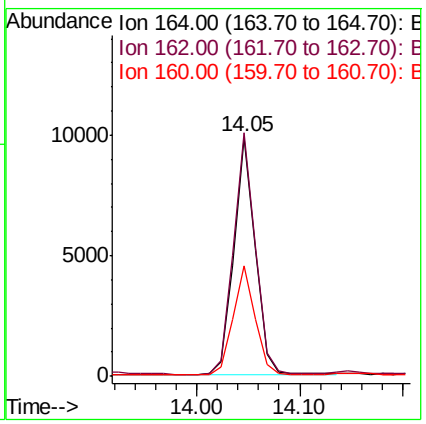




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:164 Resp: 14045

Ion	Ratio	Lower	Upper
164	100		
162	101.9	83.5	125.3
160	46.3	38.2	57.4



Instrument :
BNA_N
ClientSampleId :
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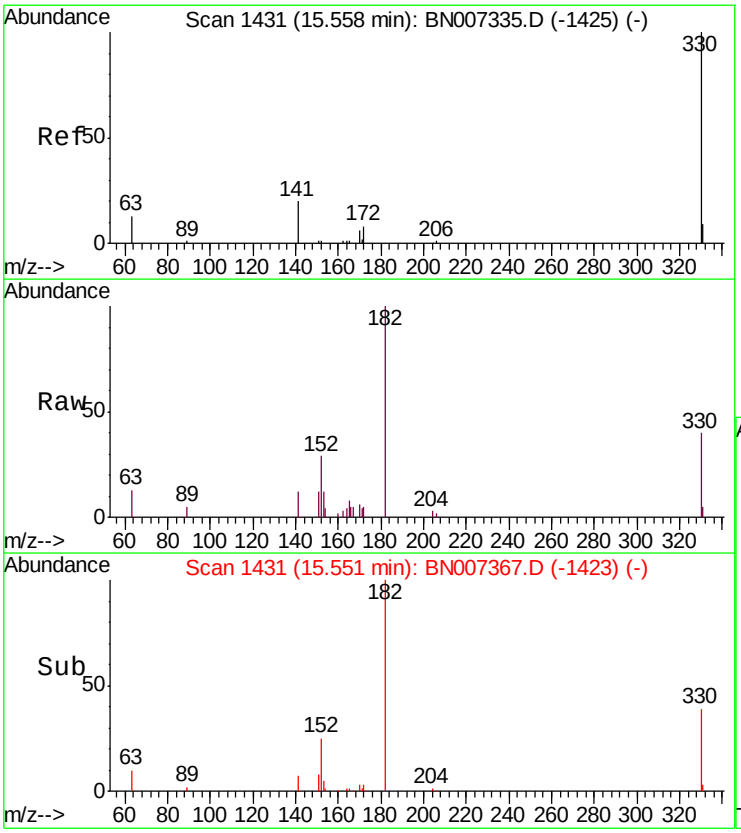
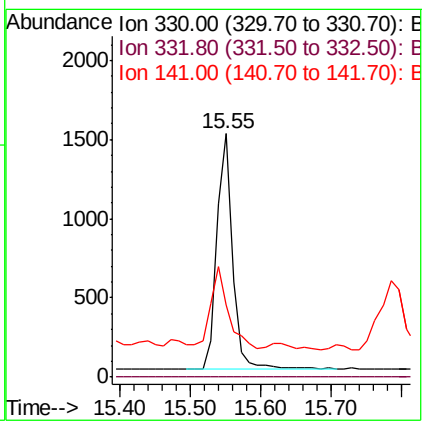
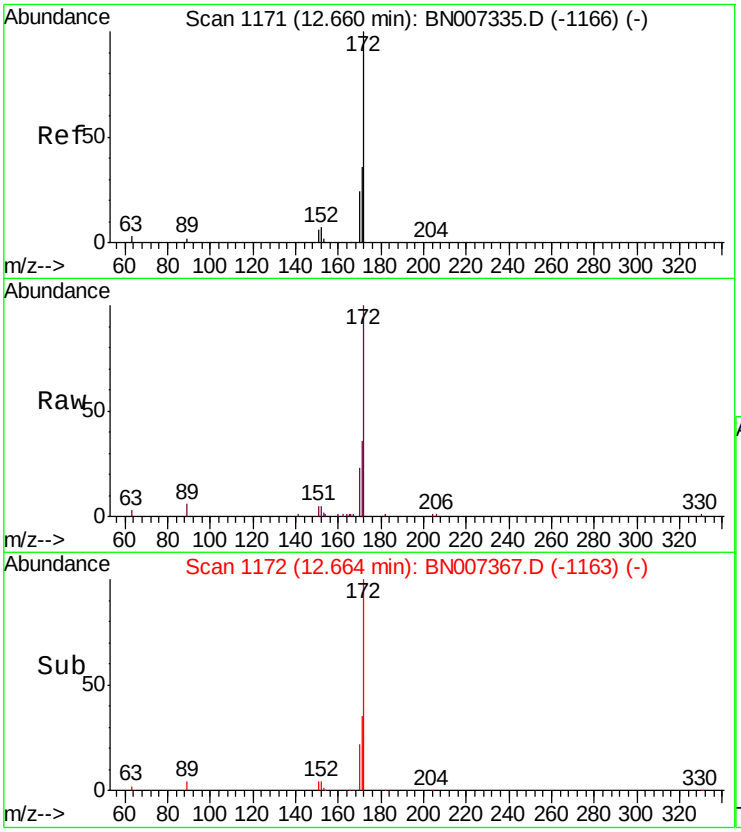


#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:330 Resp: 2386

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.9	26.9	40.3

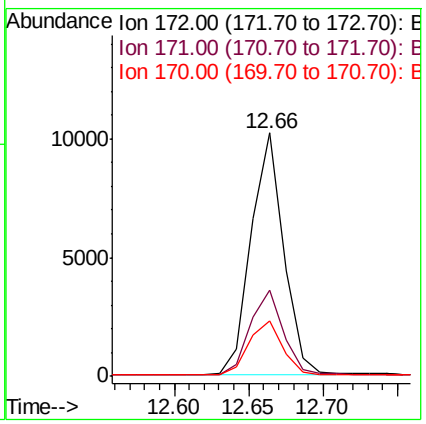




#15
2-Fluorobiphenyl
Concen: 0.274 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:172 Resp: 15543

Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.3	45.5
170	22.9	20.7	31.1



Instrument :
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ClientSampleId :
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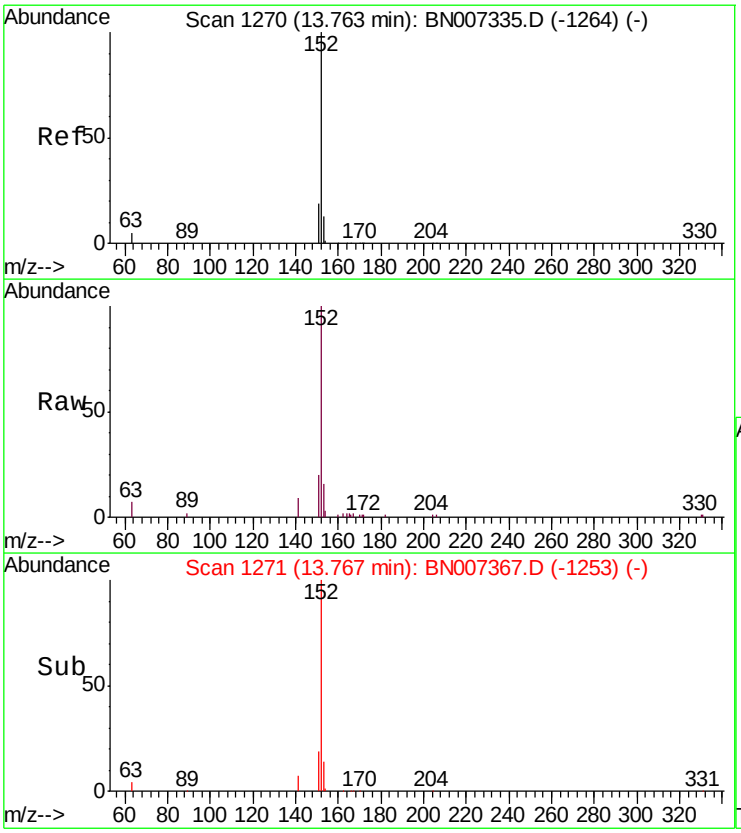
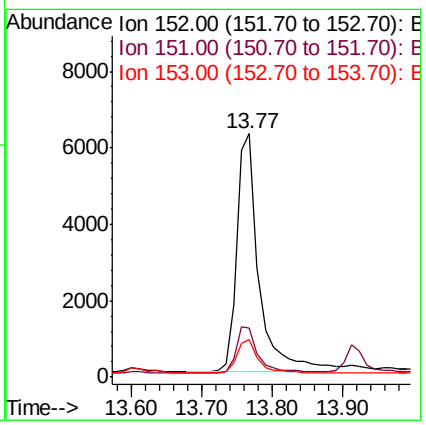
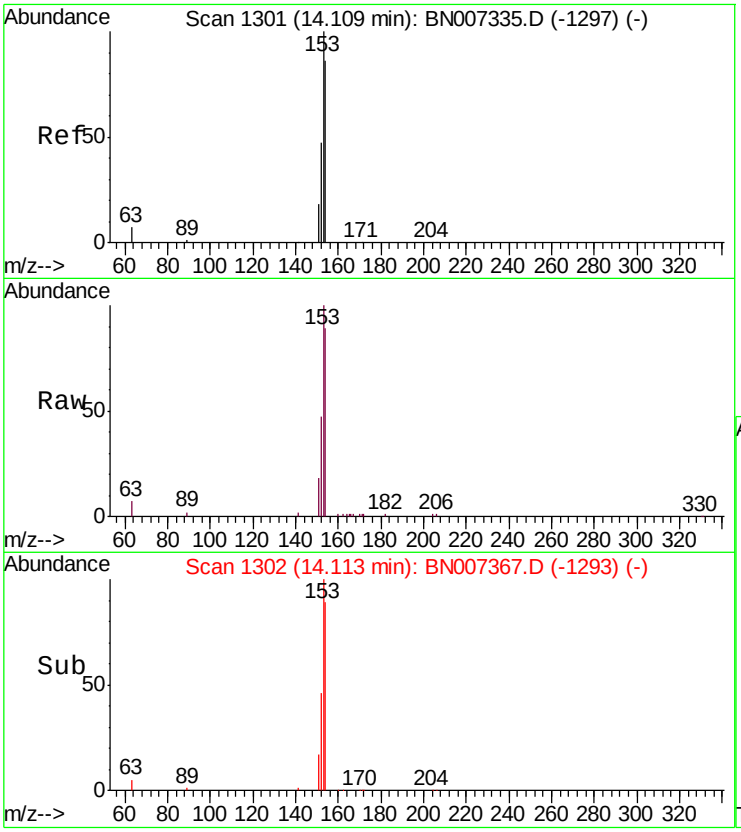


#16
Acenaphthylene
Concen: 0.166 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:152 Resp: 13786

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.1	24.1
153	14.1	10.6	15.8

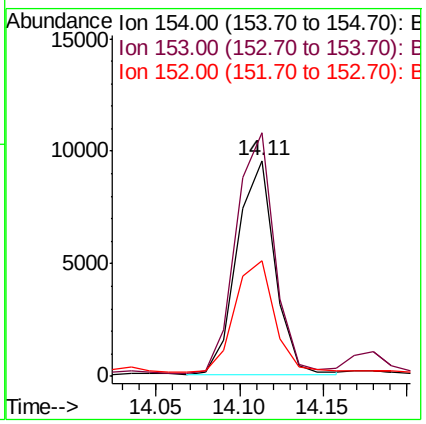




#17
Acenaphthene
Concen: 0.304 ng
RT: 14.11 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:154 Resp: 14797

Ion	Ratio	Lower	Upper
154	100		
153	114.6	92.8	139.2
152	56.8	43.8	65.8



Instrument :
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ClientSampleId :
S301-J-2.0-2.5-081919

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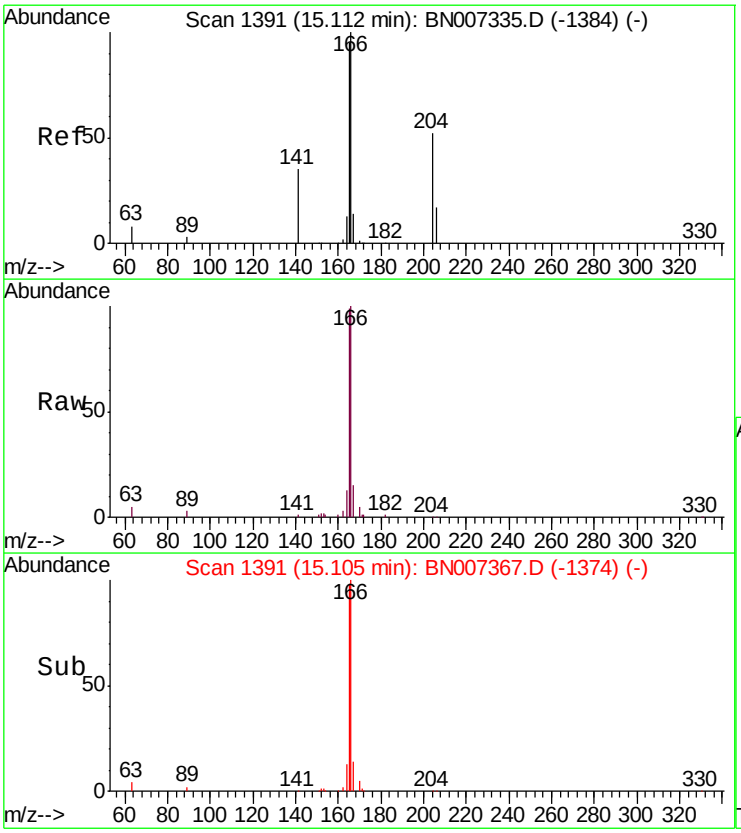
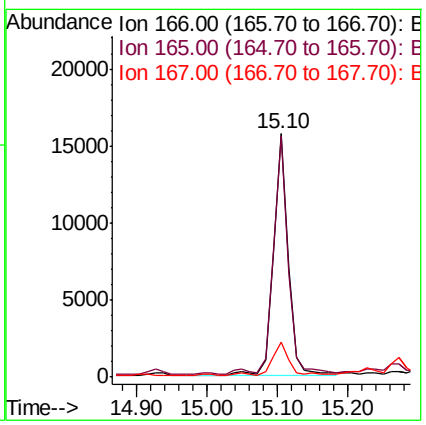
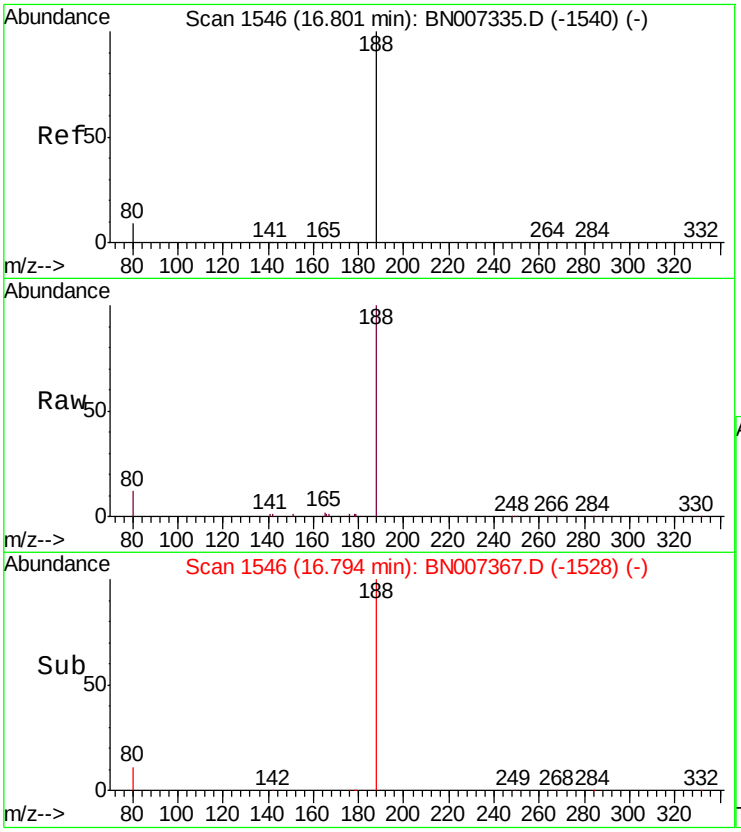


#18
Fluorene
Concen: 0.375 ng
RT: 15.10 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:166 Resp: 23089

Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.0	118.4
167	14.6	10.6	15.8





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:188 Resp: 31724

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.8	11.8	17.8#

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919

Manual Integrations APPROVED
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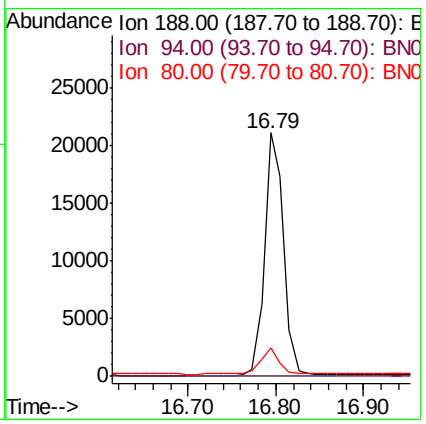
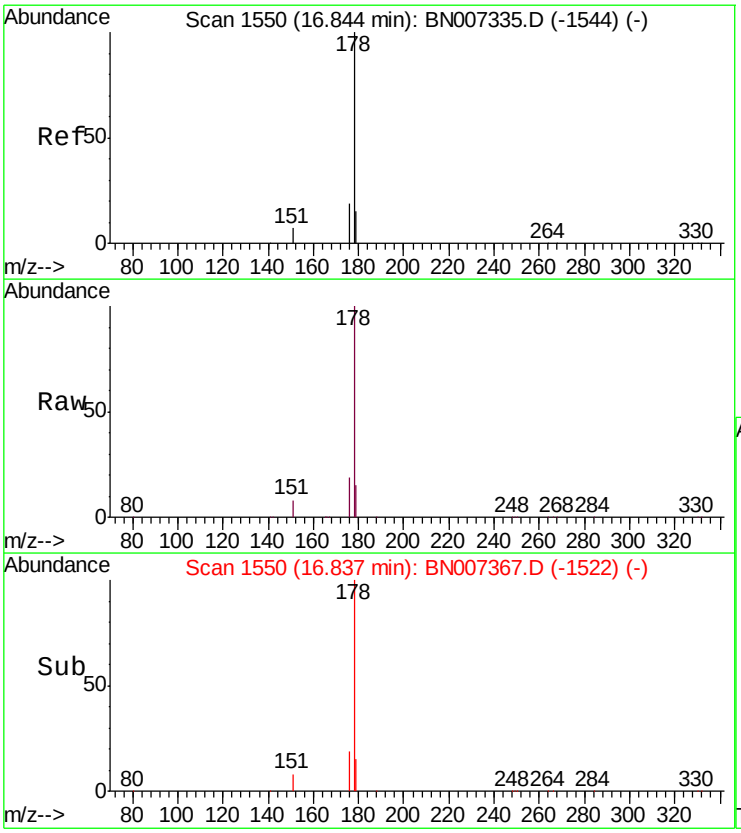
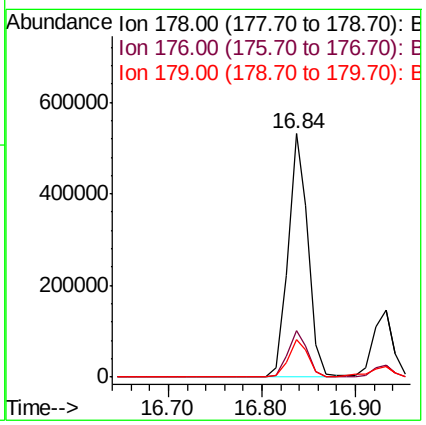


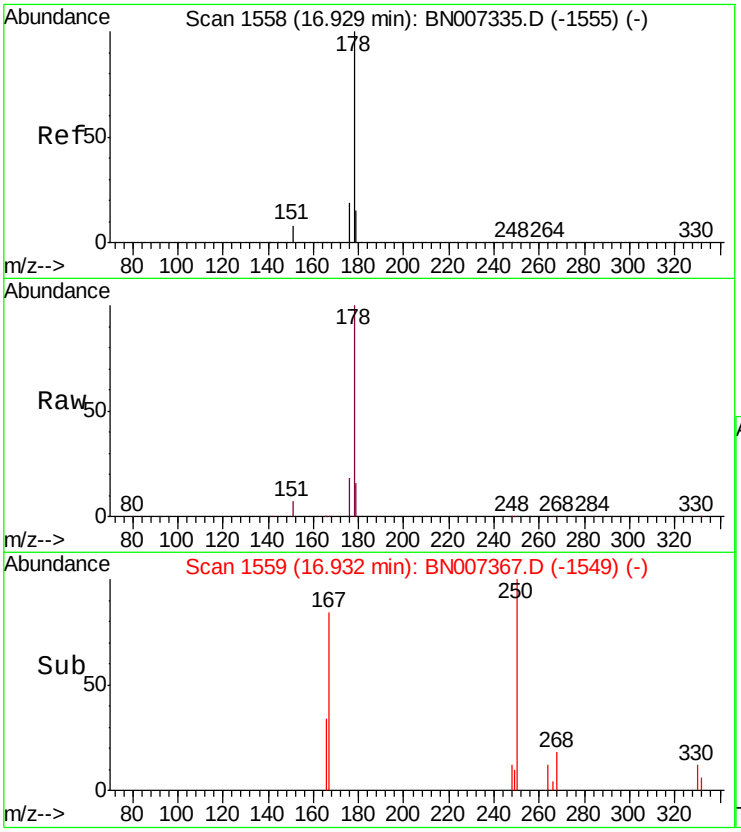


#23
Phenanthrene
Concen: 8.214 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:178 Resp: 783835

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.4	12.6	19.0

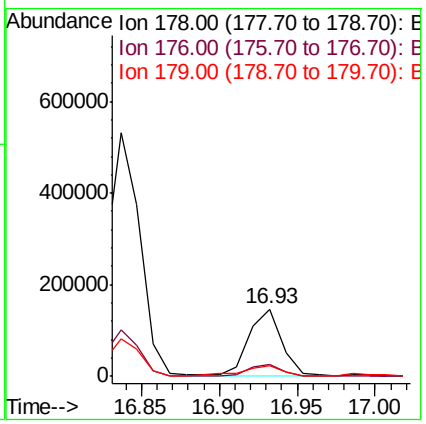




#24
Anthracene
Concen: 2.182 ng
RT: 16.93 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:178 Resp: 209400

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	17.9	12.4	18.6



Instrument :
BNA_N
ClientSampleId :
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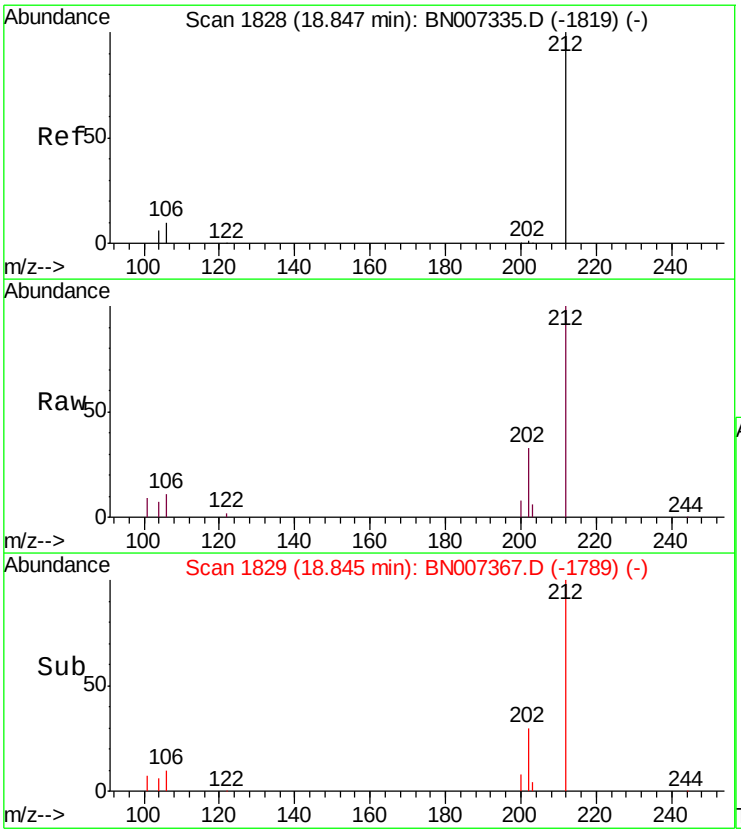
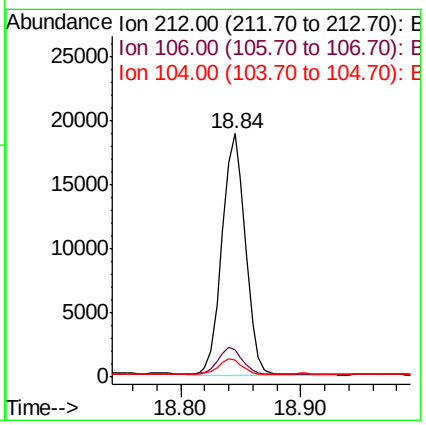
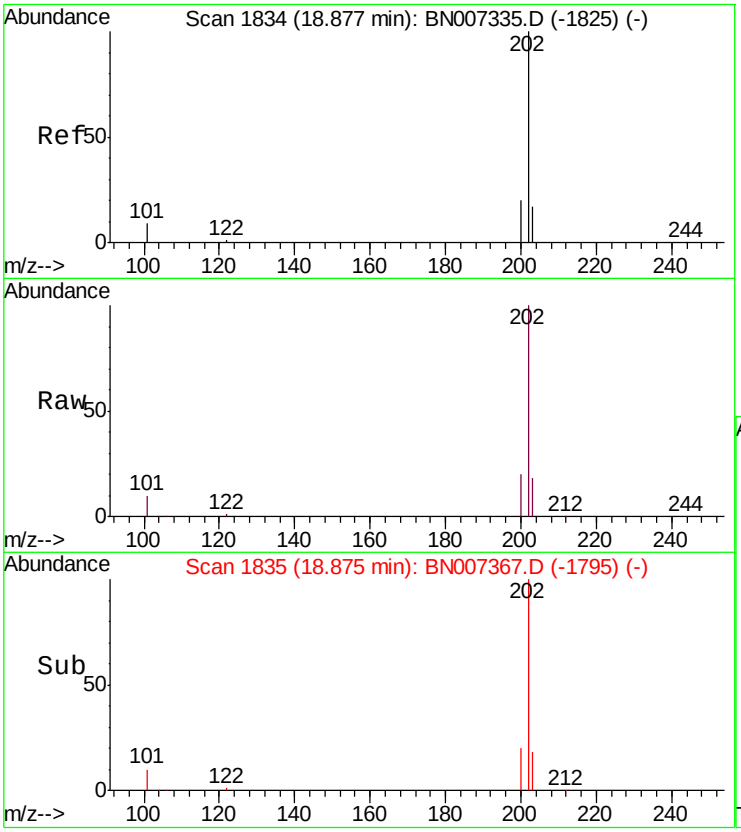


#25
Fluoranthene-d10
Concen: 0.249 ng
RT: 18.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:212 Resp: 25462

Ion	Ratio	Lower	Upper
212	100		
106	10.9	9.0	13.4
104	7.0	5.4	8.2

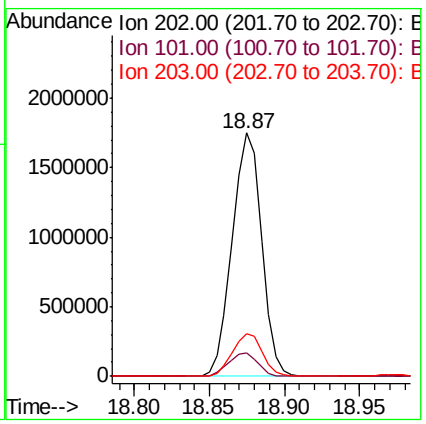




#26
Fluoranthene
Concen: 19.355 ng
RT: 18.87 min Scan# 1835
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:202 Resp: 2371407

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.7	11.5
203	17.7	13.7	20.5



Instrument :
BNA_N
ClientSampleId :
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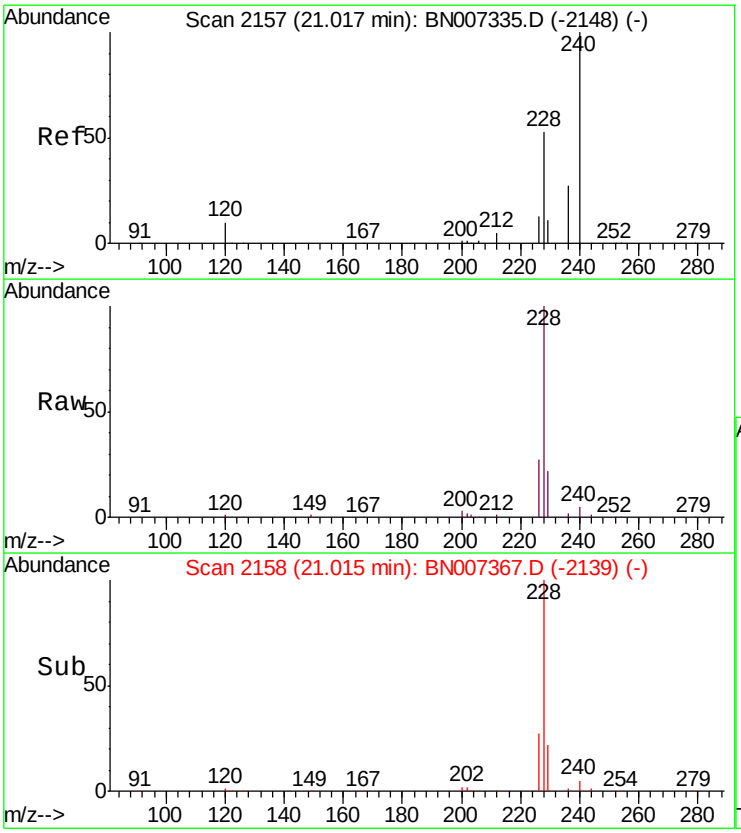
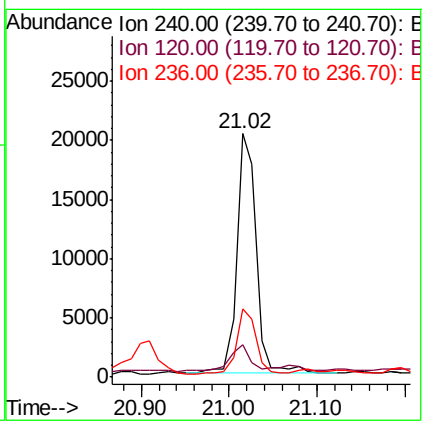
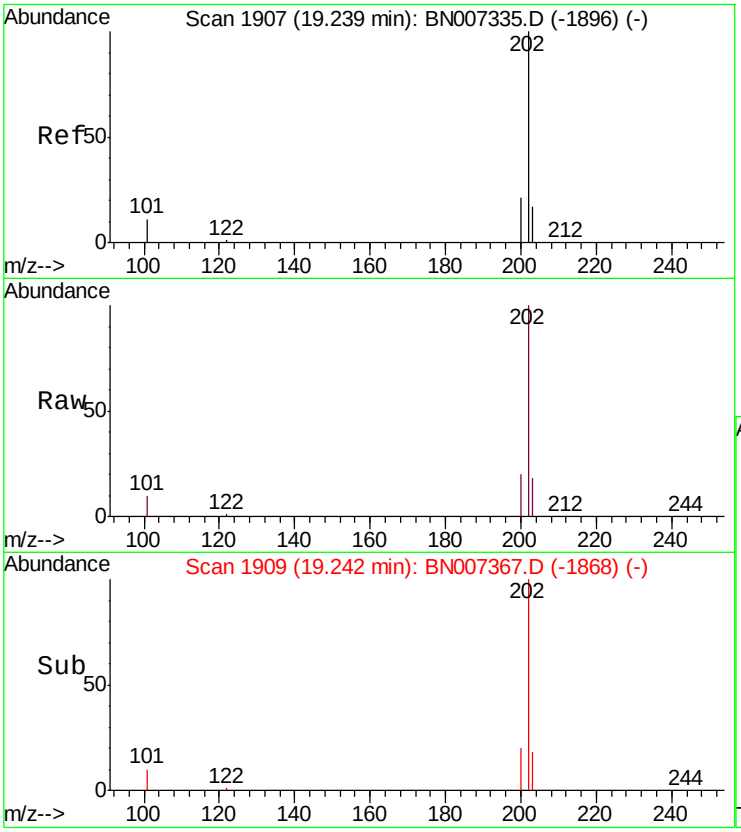


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:240 Resp: 31005

Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.6	14.4
236	28.2	22.2	33.2





#28
Pyrene
Concen: 15.814 ng
RT: 19.24 min Scan# 1909
Delta R.T. 0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:202 Resp: 1972395

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	22.3	14.2	21.4#

Instrument :
BNA_N
ClientSampleId :
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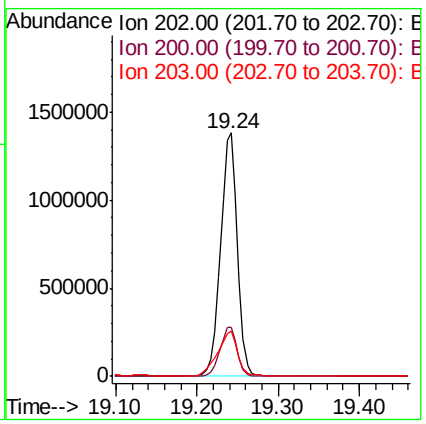
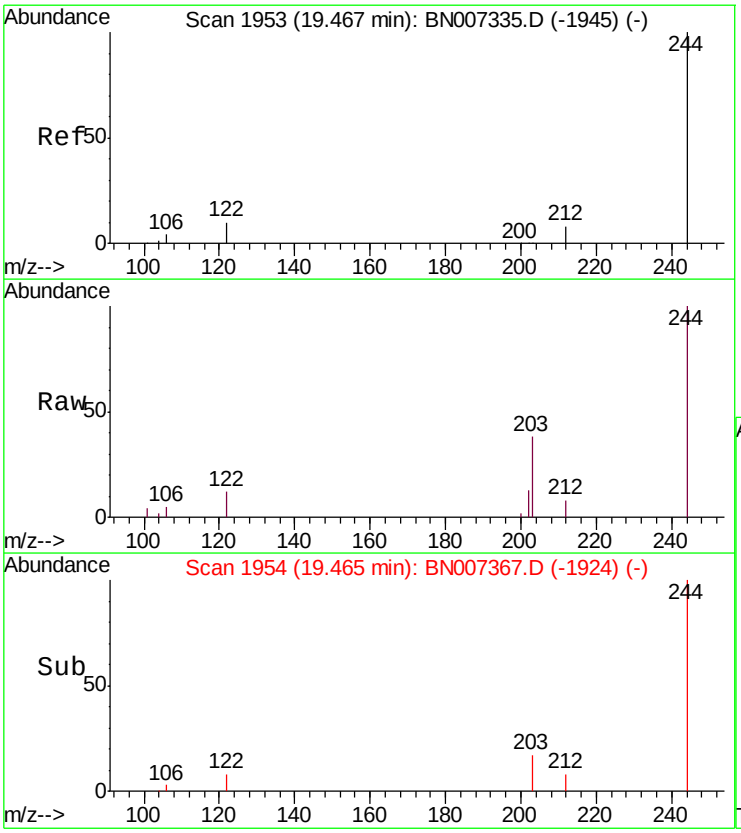
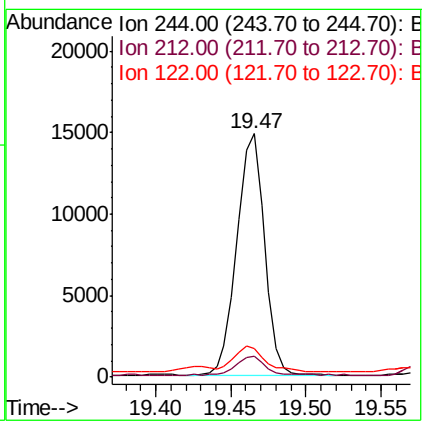


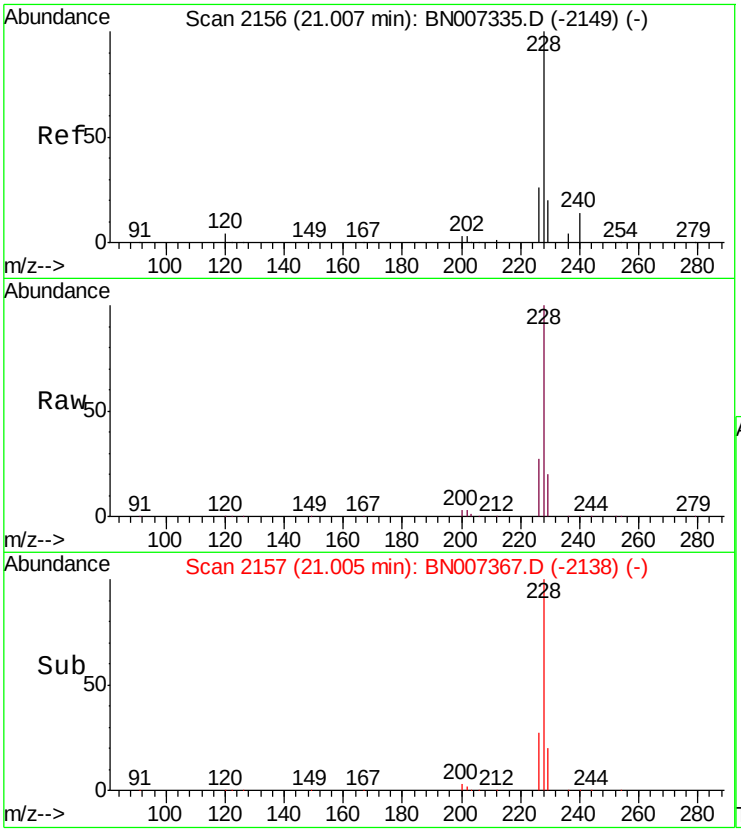


#29
Terphenyl-d14
Concen: 0.234 ng
RT: 19.47 min Scan# 1954
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:244 Resp: 18973

Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.6
122	11.6	9.6	14.4

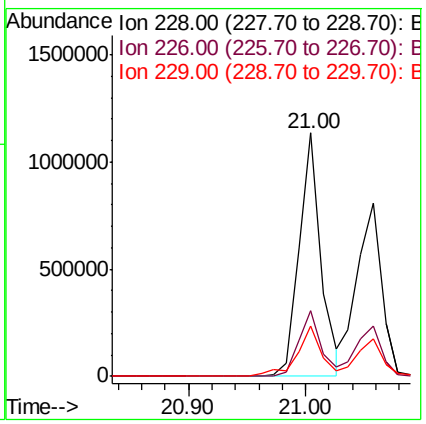




#30
Benzo(a)anthracene
Concen: 12.135 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:228 Resp: 1477559

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.3	31.9
229	20.5	16.1	24.1



Instrument :
BNA_N
ClientSampleId :
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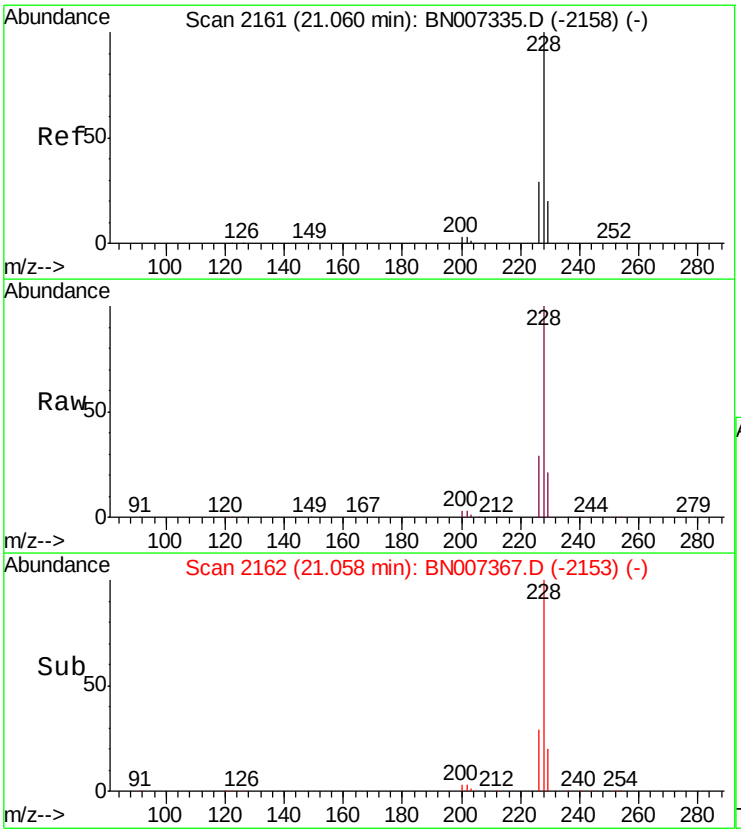
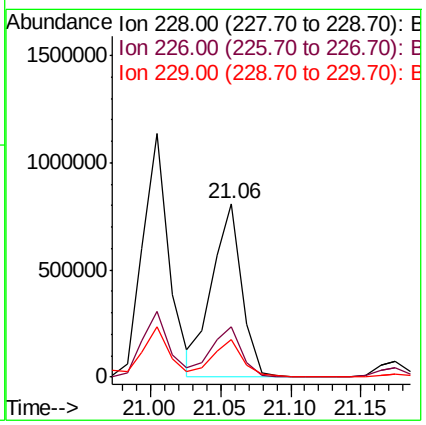
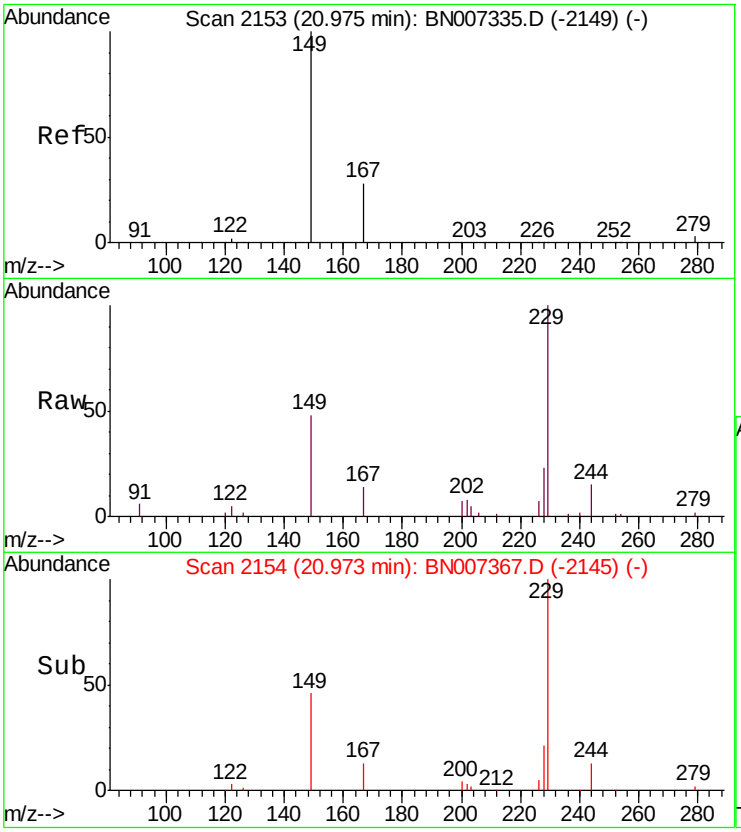


#31
Chrysene
Concen: 10.054 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:228 Resp: 1181623

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.5	35.3
229	21.4	16.6	24.8





#32
Bis(2-ethylhexyl)phthalate
Concen: 0.251 ng
RT: 20.97 min Scan# 2154
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:149 Resp: 21268

Ion	Ratio	Lower	Upper
149	100		
167	21.8	22.8	34.2#
279	3.8	3.5	5.3

Instrument :
BNA_N
ClientSampleId :
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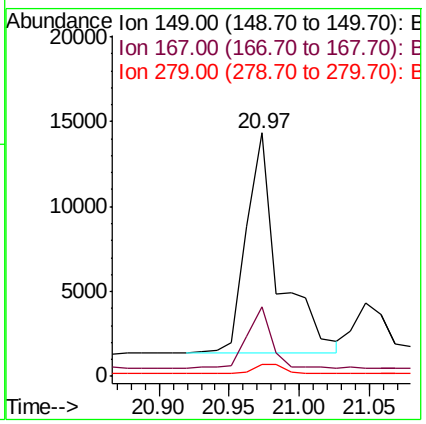
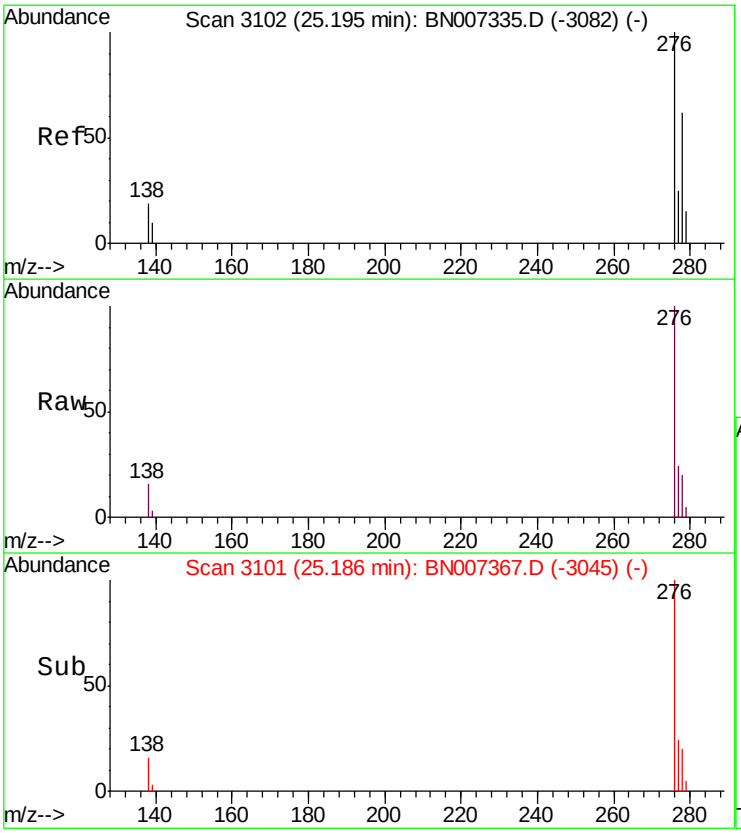
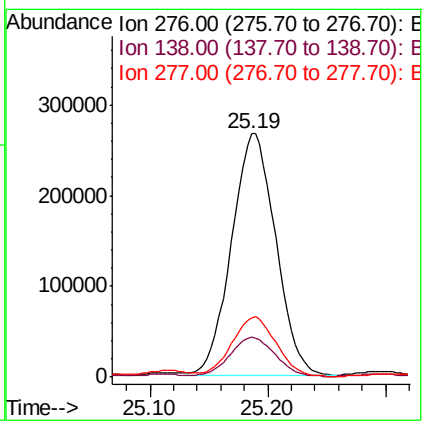


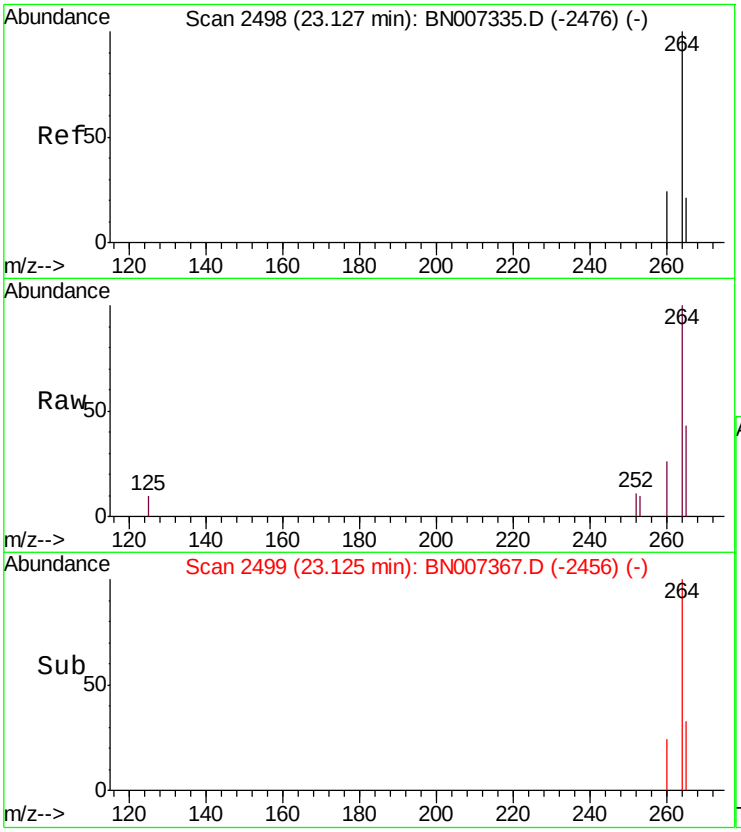


#33
Indeno(1,2,3-cd)pyrene
Concen: 4.880 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:276 Resp: 690945

Ion	Ratio	Lower	Upper
276	100		
138	17.1	15.1	22.7
277	24.6	19.7	29.5





#34
Perylene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2499
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:264 Resp: 34735

Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.7	29.5
265	43.3	29.9	44.9

Instrument :
BNA_N
ClientSampleId :
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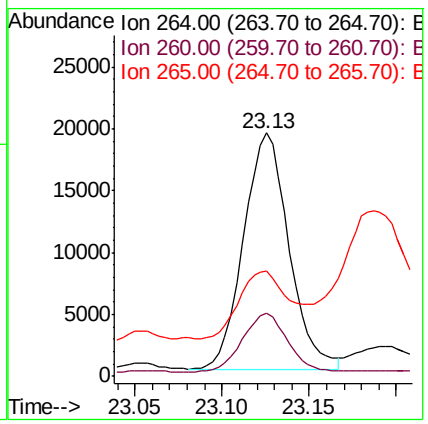
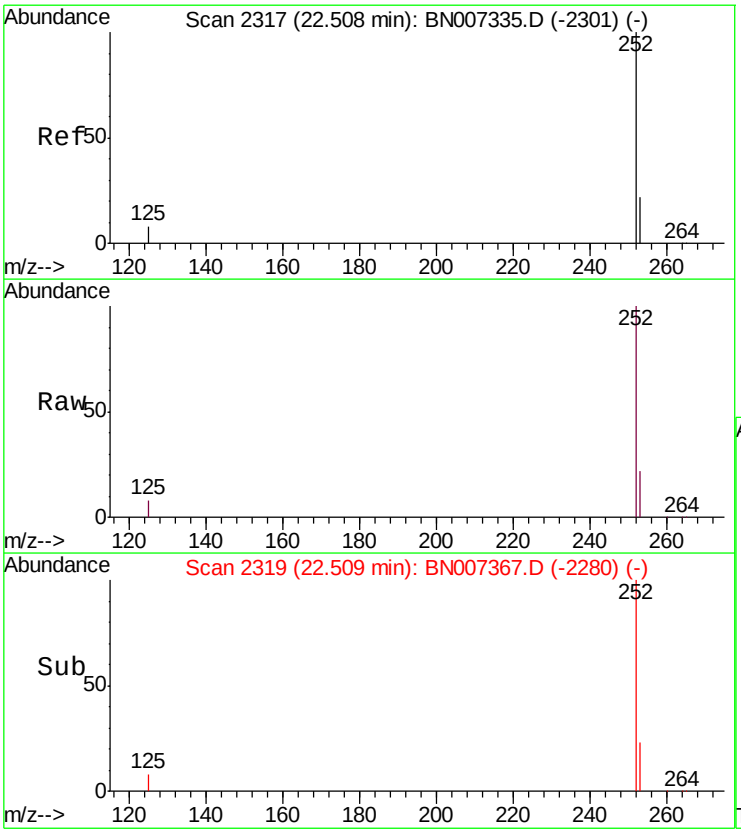
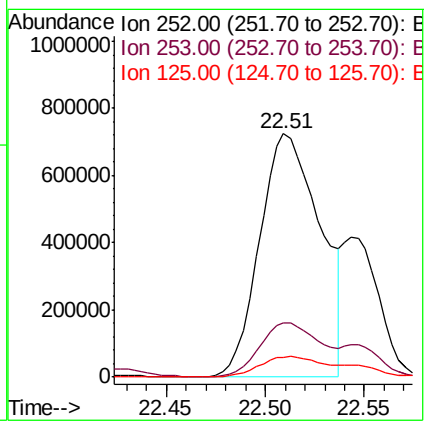


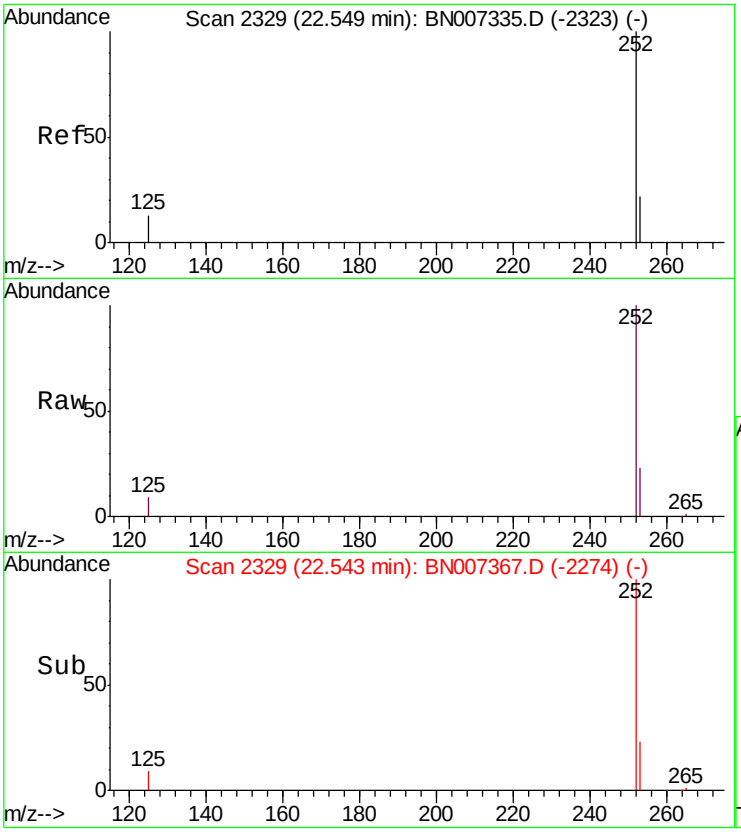


#35
Benzo(b)fluoranthene
Concen: 12.246 ng
RT: 22.51 min Scan# 2319
Delta R.T. 0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:252 Resp: 1541216

Ion	Ratio	Lower	Upper
252	100		
253	22.5	19.2	28.8
125	8.3	10.6	16.0#





#36
Benzo(k)fluoranthene
Concen: 4.194 ng m
RT: 22.54 min Scan# 2329
Delta R.T. -0.01 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:252 Resp: 521707

Ion	Ratio	Lower	Upper
252	100		
253	22.9	19.4	29.2
125	8.6	13.1	19.7#

Instrument :
BNA_N
ClientSampleId :
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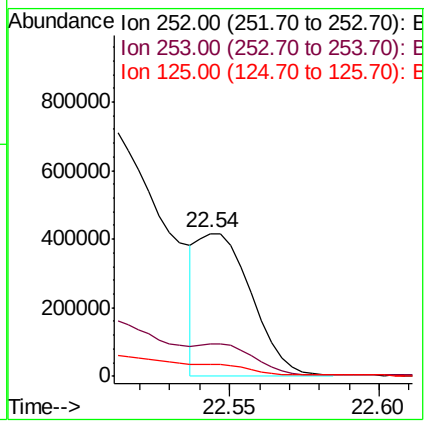
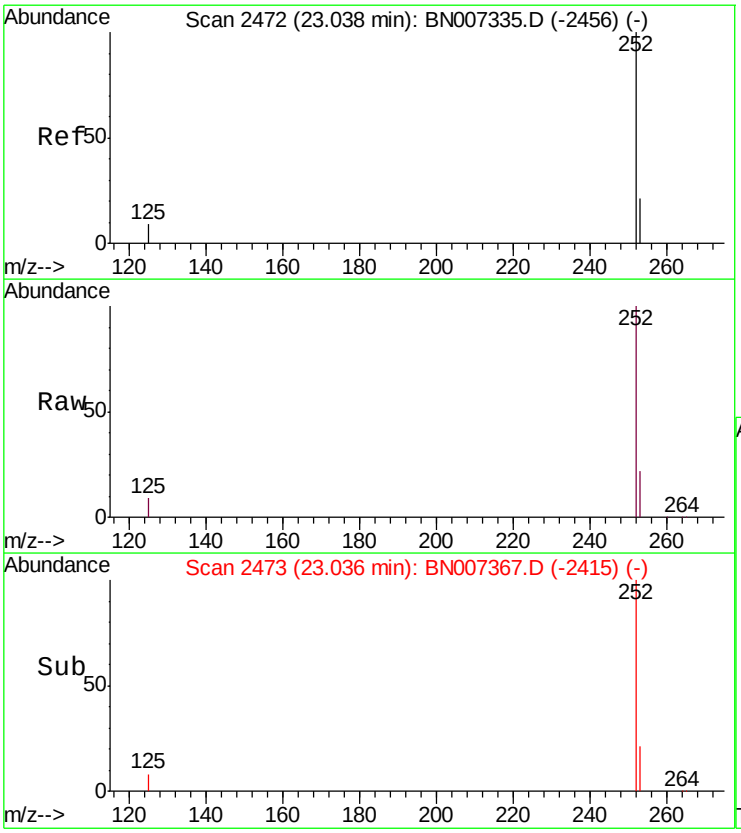
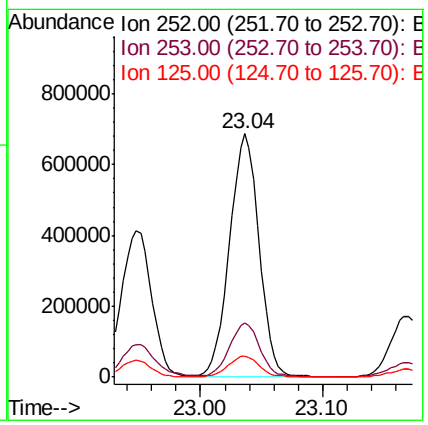


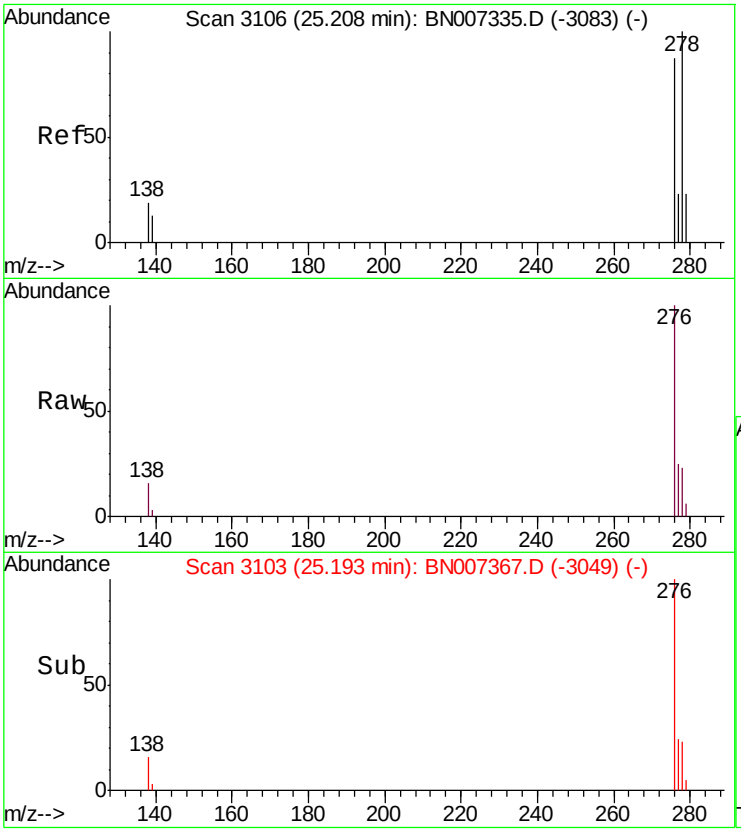


#37
Benzo(a)pyrene
Concen: 9.537 ng m
RT: 23.04 min Scan# 2473
Delta R.T. -0.00 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:252 Resp: 1142168

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.5	29.3
125	8.7	12.1	18.1#

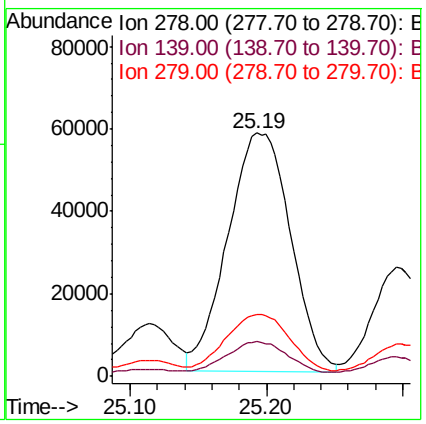




#38
Dibenzo(a,h)anthracene
Concen: 1.558 ng
RT: 25.19 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:278 Resp: 186135

Ion	Ratio	Lower	Upper
278	100		
139	14.3	13.7	20.5
279	25.3	20.2	30.4



Instrument :
BNA_N
ClientSampleId :
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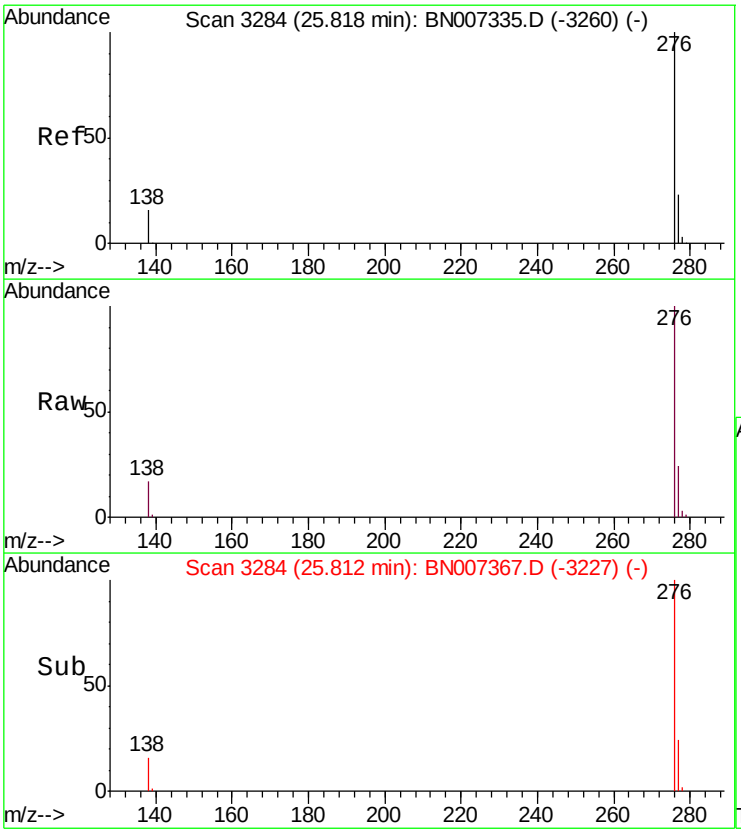

#39
Benzo(g,h,i)perylene
Concen: 5.184 ng
RT: 25.81 min Scan# 3284
Delta R.T. -0.01 min
Lab File: BN007367.D
Acq: 24 Aug 2019 17:19

Tgt Ion:276 Resp: 617234

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.6	29.4
138	16.8	16.3	24.5