Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
Data File : BN007299.D
Acq On : 21 Aug 2019 20:34
Operator : HP/JU
Sample : K4440-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S303-J-1.5-2.0-082019

Manual Integrations APPROVED
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8/26/2019 12:24:46 PM

Quant Time: Aug 22 05:42:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	6025	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	22626	0.40	ng		0.00
13) Acenaphthene-d10	14.06	164	12418	0.40	ng		0.00
19) Phenanthrene-d10	16.80	188	28450	0.40	ng		0.00
27) Chrysene-d12	21.03	240	29790	0.40	ng		0.00
34) Perylene-d12	23.14	264	34770	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.04	112	3190	0.17	ng		0.00
5) Phenol-d6	6.61	99	4019	0.18	ng		0.00
8) Nitrobenzene-d5	8.54	82	2817	0.16	ng		0.00
11) 2-Methylnaphthalene-d10	11.77	152	6145	0.16	ng		0.00
14) 2,4,6-Tribromophenol	15.56	330	1218	0.17	ng		0.00
15) 2-Fluorobiphenyl	12.68	172	7898	0.15	ng		0.00
25) Fluoranthene-d10	18.85	212	14484	0.16	ng		0.00
29) Terphenyl-d14	19.48	244	10849	0.15	ng		0.00
Target Compounds							Qvalue
16) Acenaphthylene	13.77	152	3057	0.046	ng		98
17) Acenaphthene	14.12	154	2734	0.065	ng		99
18) Fluorene	15.12	166	3653	0.067	ng		94
23) Phenanthrene	16.85	178	58777	0.659	ng		100
24) Anthracene	16.94	178	16096	0.200	ng	#	94
26) Fluoranthene	18.88	202	289022	2.676	ng		99
28) Pyrene	19.25	202	258564	2.321	ng	#	94
30) Benzo(a)anthracene	21.02	228	192989	1.742	ng		95
31) Chrysene	21.07	228	158256m	1.400	ng		
32) Bis(2-ethylhexyl)phthalate	20.98	149	8021	0.181	ng	#	76
33) Indeno(1,2,3-cd)pyrene	25.21	276	114083	0.839	ng		95
35) Benzo(b)fluoranthene	22.52	252	234401	1.808	ng	#	94
36) Benzo(k)fluoranthene	22.56	252	90824m	0.715	ng		
37) Benzo(a)pyrene	23.05	252	181312	1.552	ng	#	94
38) Dibenzo(a,h)anthracene	25.22	278	30629	0.250	ng	#	58
39) Benzo(g,h,i)perylene	25.84	276	112105	0.904	ng		93

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

Quantitation Report (QT Reviewed)

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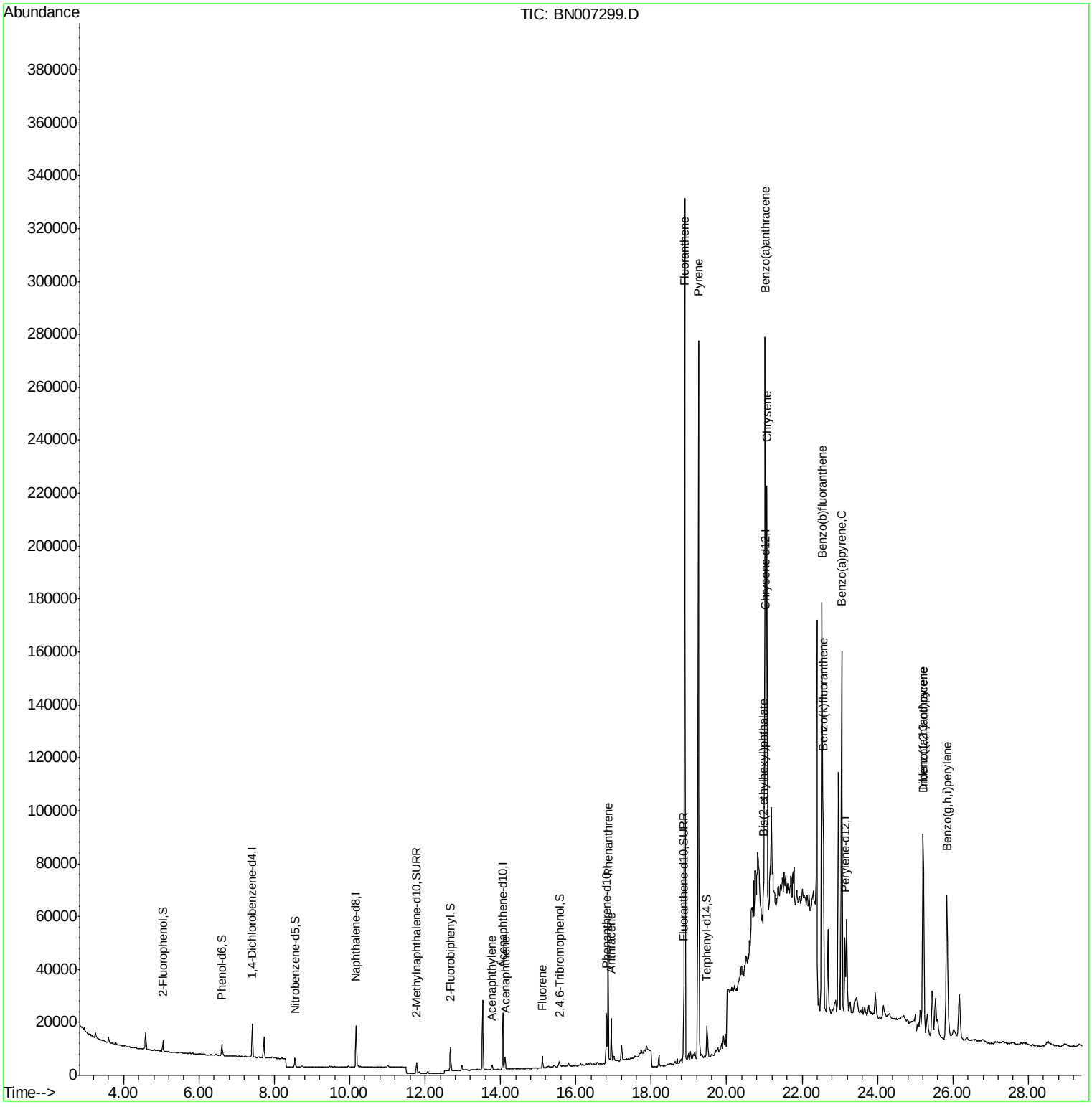
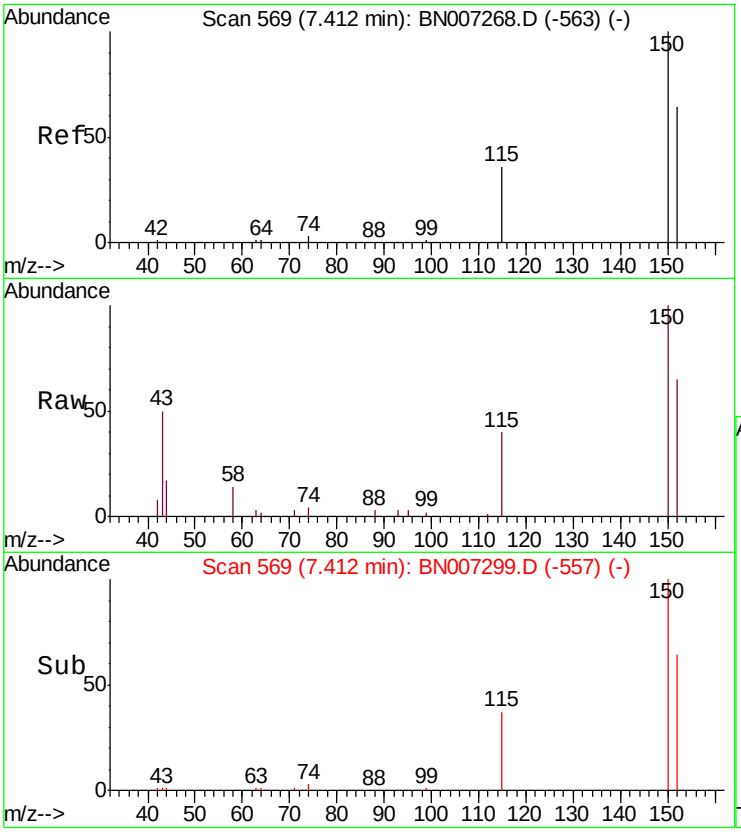
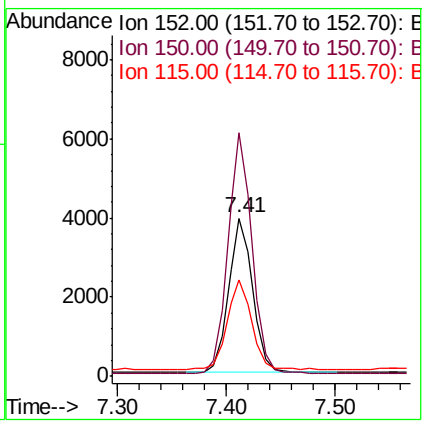




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:152 Resp: 6025

Ion	Ratio	Lower	Upper
152	100		
150	153.8	123.8	185.8
115	61.2	47.3	70.9



Instrument :
BNA_N
ClientSampleId :
S303-J-1.5-2.0-082019

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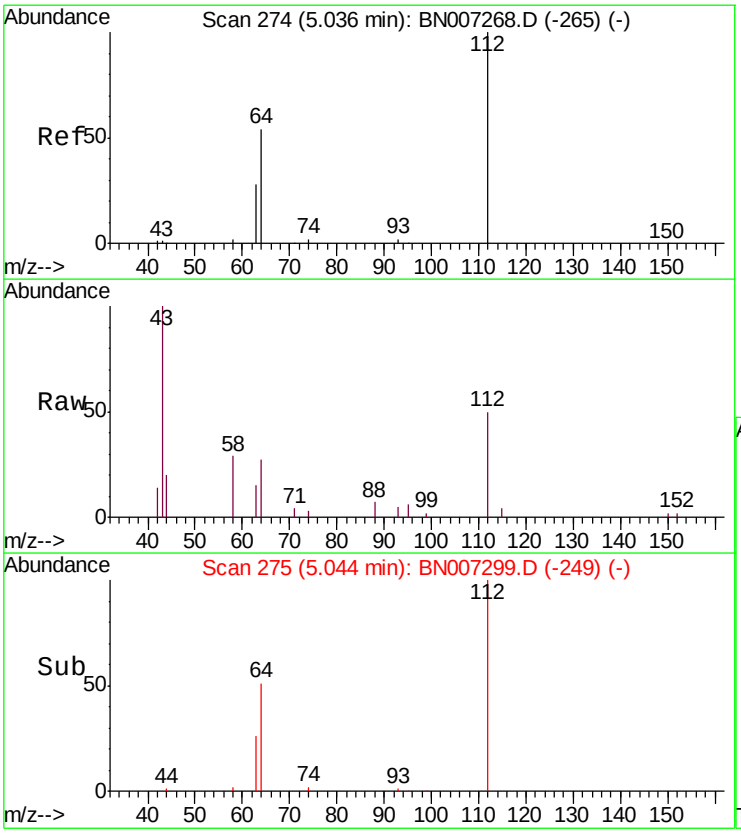
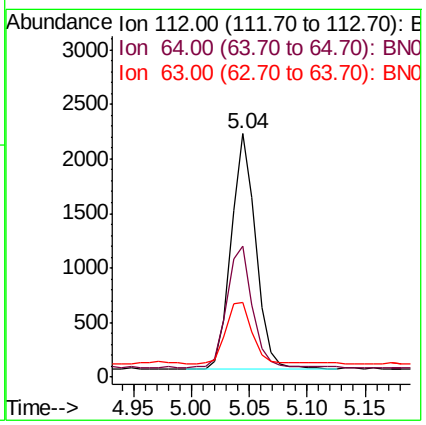
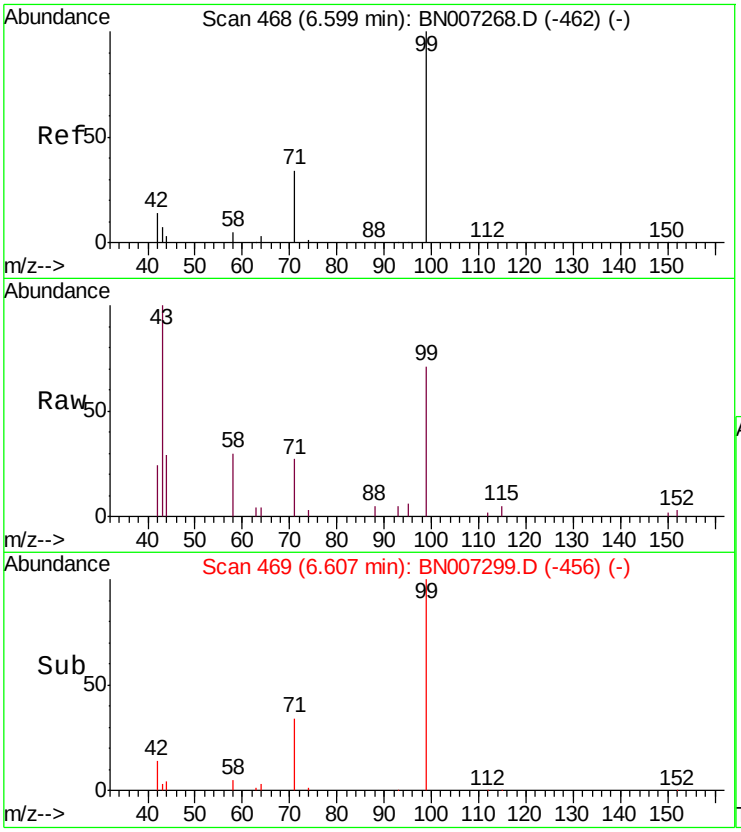


#4
2-Fluorophenol
Concen: 0.174 ng
RT: 5.04 min Scan# 275
Delta R.T. 0.01 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:112 Resp: 3190

Ion	Ratio	Lower	Upper
112	100		
64	53.4	41.8	62.8
63	28.2	22.6	34.0

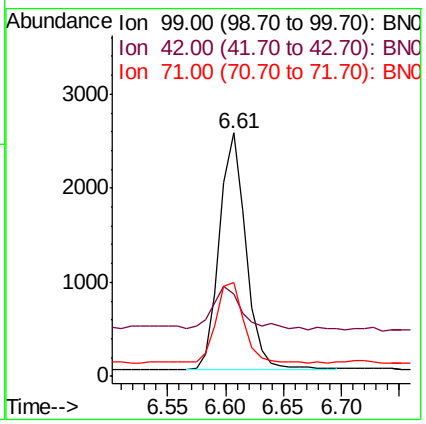




#5
Phenol-d6
Concen: 0.182 ng
RT: 6.61 min Scan# 469
Delta R.T. 0.01 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion: 99 Resp: 4019

Ion	Ratio	Lower	Upper
99	100		
42	20.6	14.3	21.5
71	35.2	27.3	40.9



Instrument :
BNA_N
ClientSampleId :
S303-J-1.5-2.0-082019

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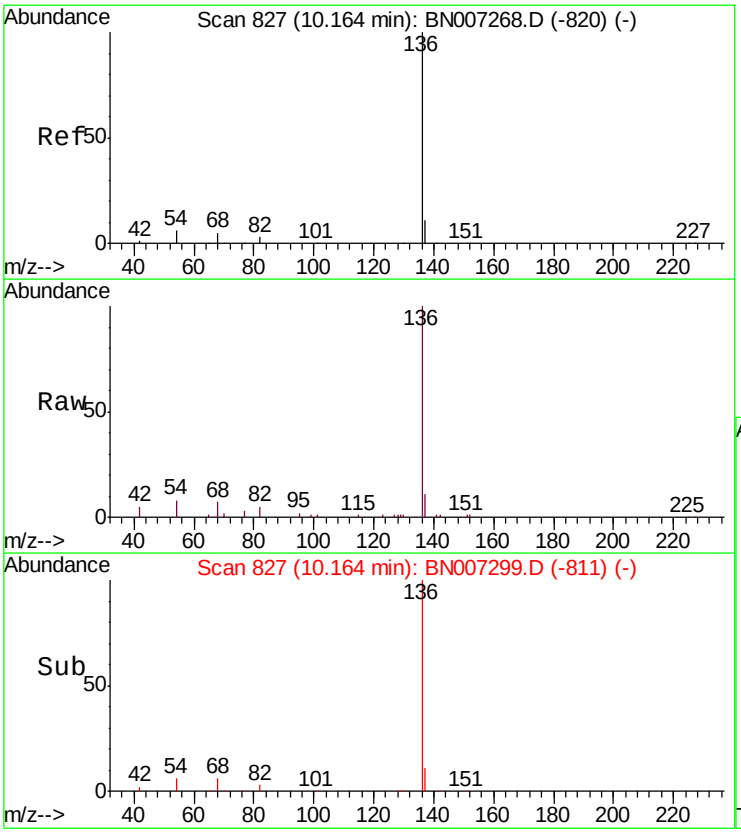
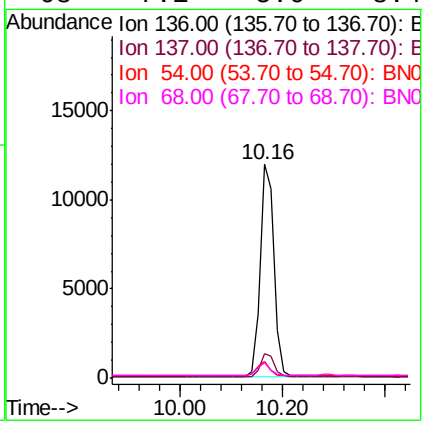
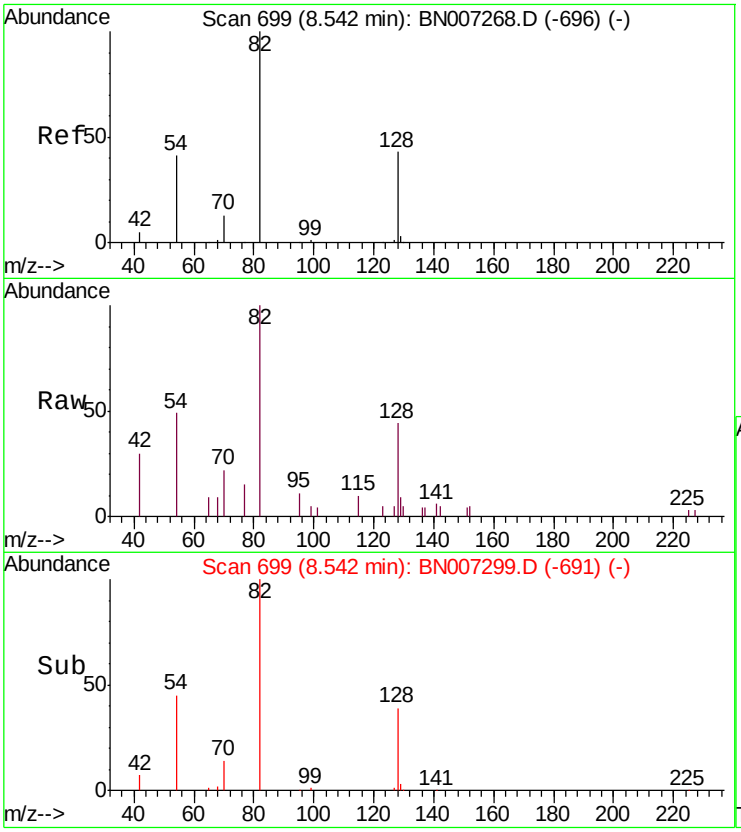


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 827
Delta R.T. -0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:136 Resp: 22626

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	7.6	5.9	8.9
68	7.1	5.6	8.4

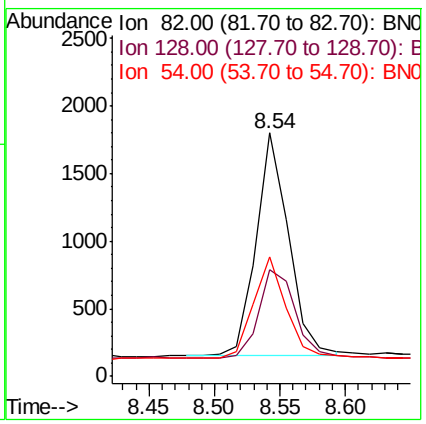




#8
Nitrobenzene-d5
Concen: 0.162 ng
RT: 8.54 min Scan# 699
Delta R.T. -0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion: 82 Resp: 2817

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.8	53.6
54	48.8	34.7	52.1



Instrument :
BNA_N
ClientSampleId :
S303-J-1.5-2.0-082019

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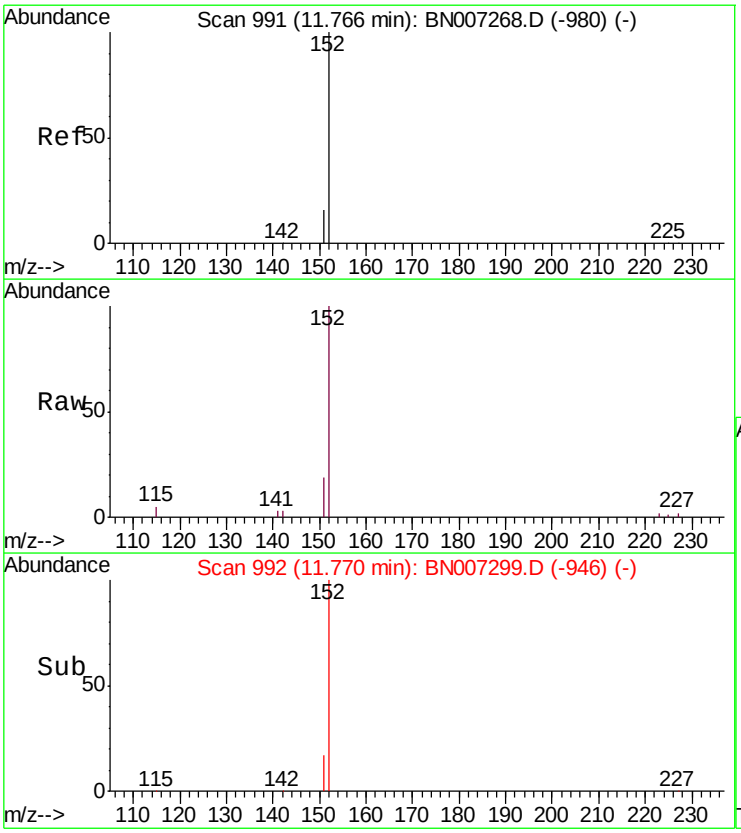
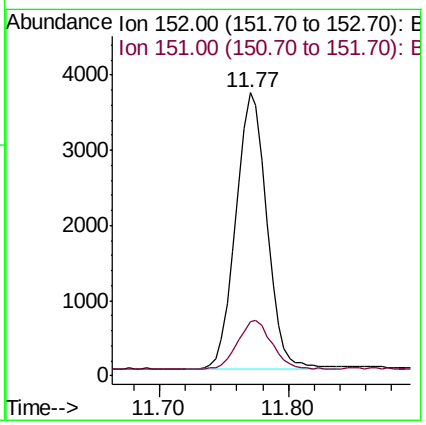
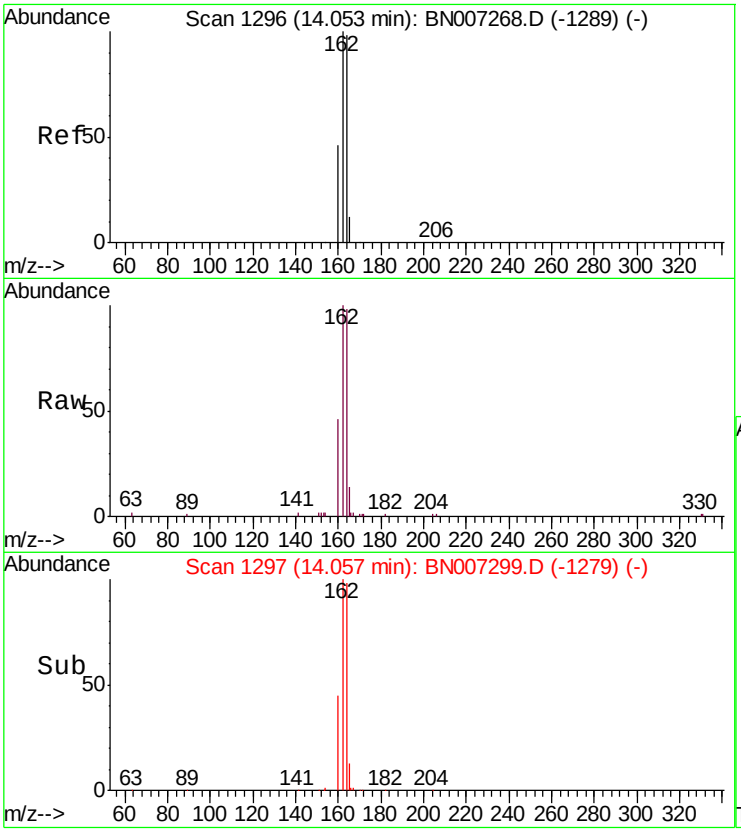


#11
2-Methylnaphthalene-d10
Concen: 0.157 ng
RT: 11.77 min Scan# 992
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:152 Resp: 6145

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.2	22.8

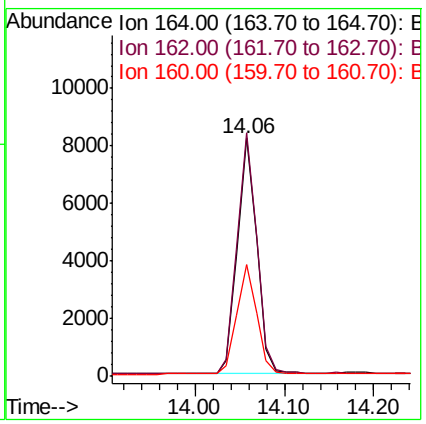




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:164 Resp: 12418

Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.0	123.0
160	46.9	38.2	57.4



Instrument :
BNA_N
ClientSampleId :
S303-J-1.5-2.0-082019

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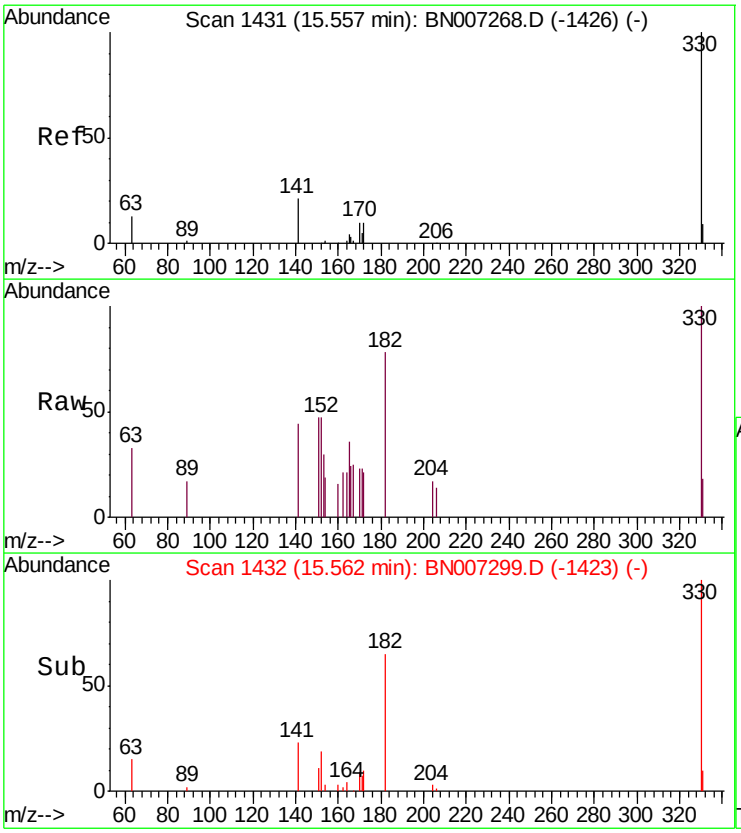
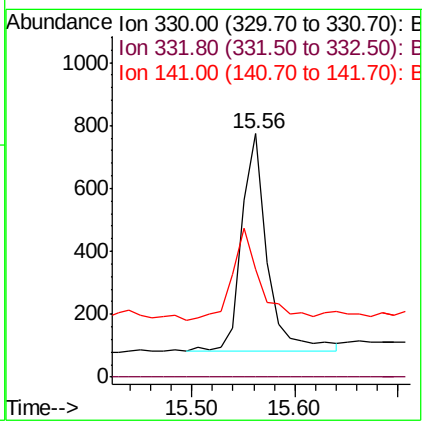
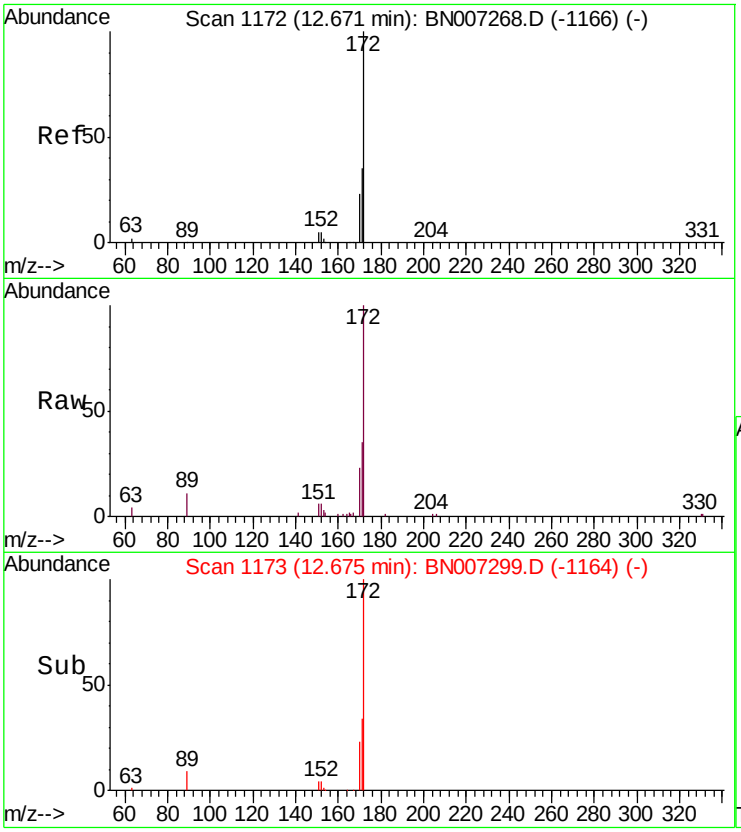


#14
2,4,6-Tribromophenol
Concen: 0.175 ng
RT: 15.56 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:330 Resp: 1218

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	45.9	30.3	45.5#

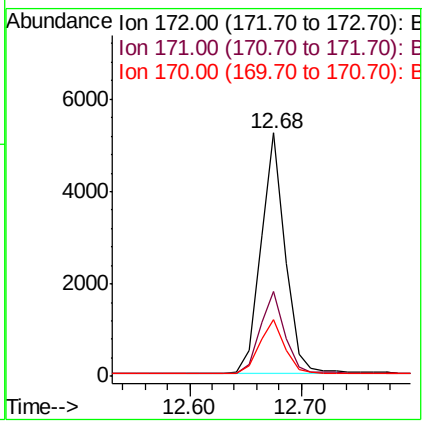




#15
2-Fluorobiphenyl
Concen: 0.148 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:172 Resp: 7898

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.5	18.7	28.1



Instrument :
BNA_N
ClientSampleId :
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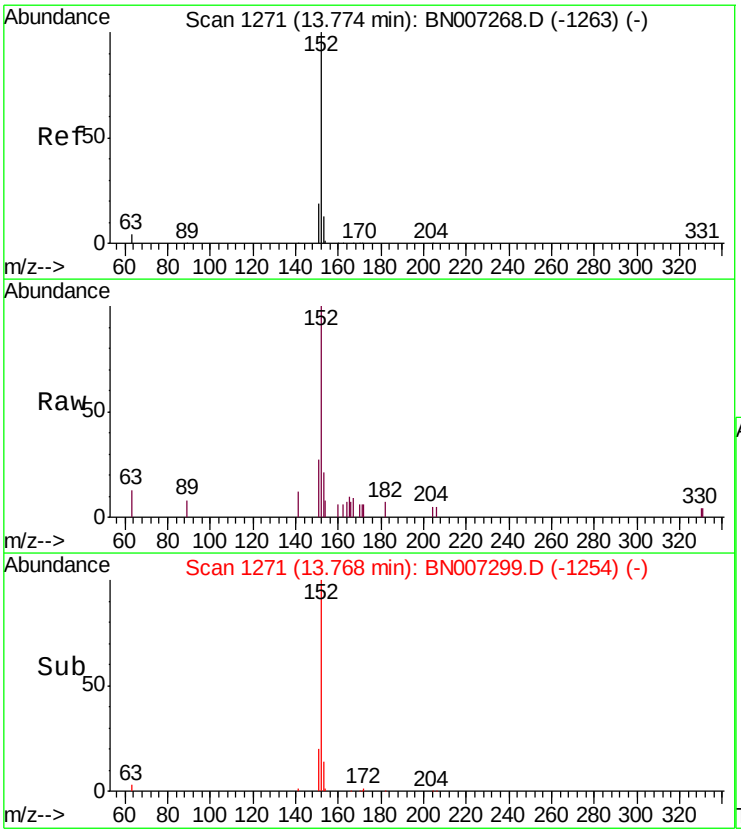
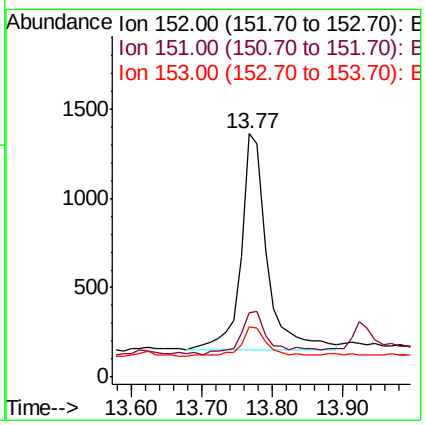
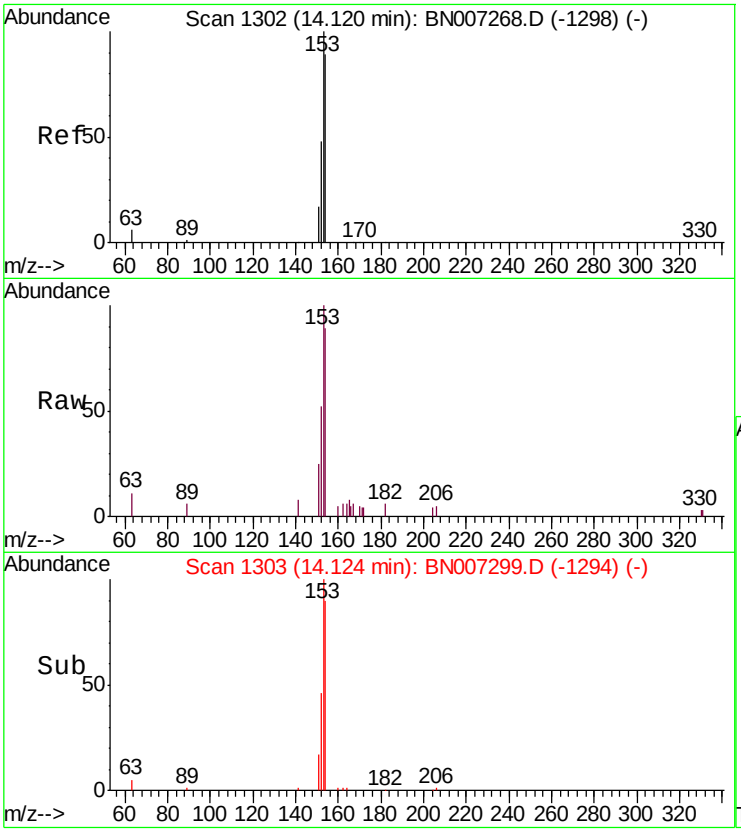


#16
Acenaphthylene
Concen: 0.046 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:152 Resp: 3057

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.4	23.2
153	14.3	10.1	15.1

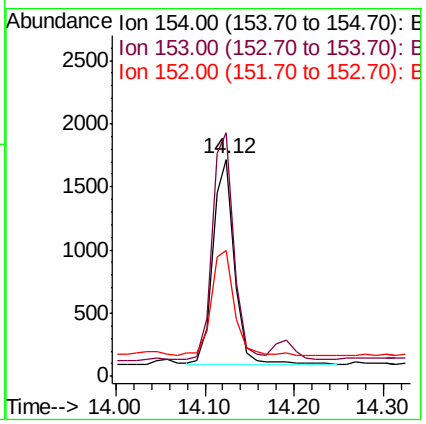




#17
Acenaphthene
Concen: 0.065 ng
RT: 14.12 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:154 Resp: 2734

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.9	134.9
152	56.7	43.9	65.9



Instrument :
BNA_N
ClientSampleId :
S303-J-1.5-2.0-082019

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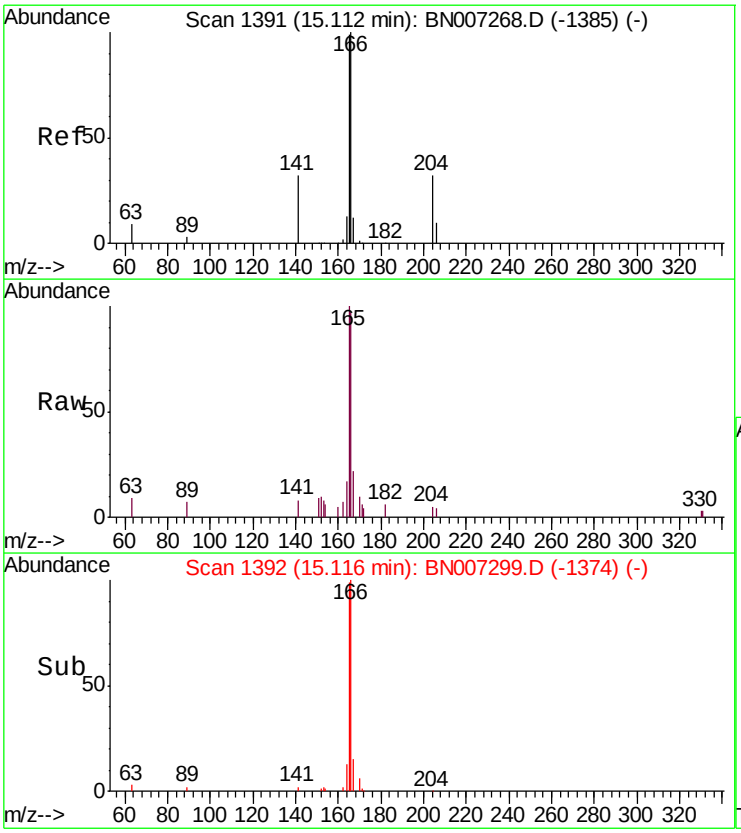
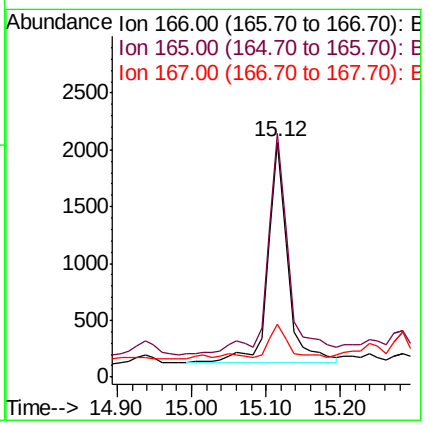
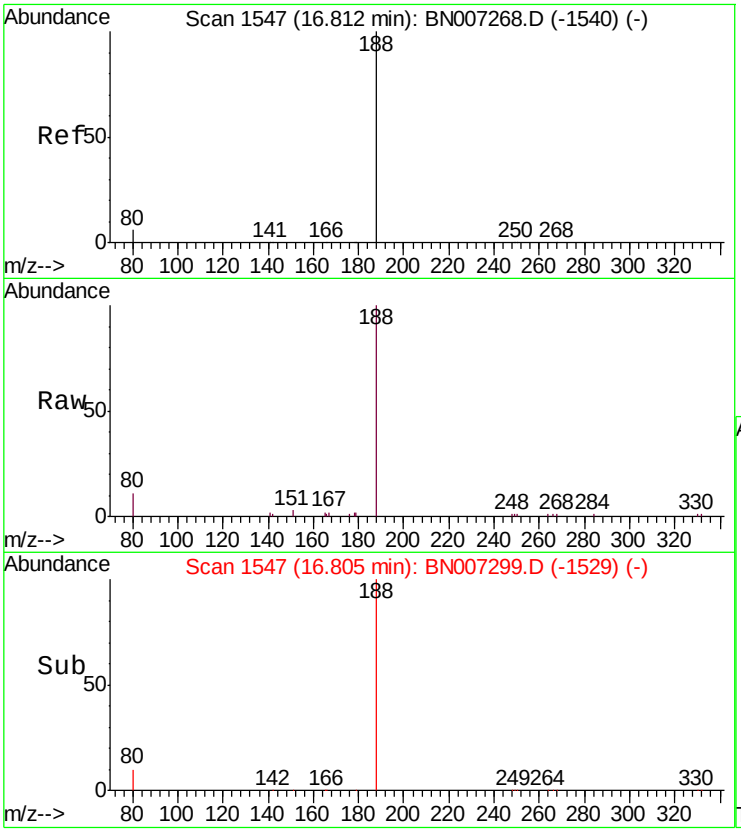


#18
Fluorene
Concen: 0.067 ng
RT: 15.12 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:166 Resp: 3653

Ion	Ratio	Lower	Upper
166	100		
165	105.1	78.3	117.5
167	13.7	11.1	16.7





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:188 Resp: 28450

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	5.2	7.8#

Instrument :
BNA_N
ClientSampleId :
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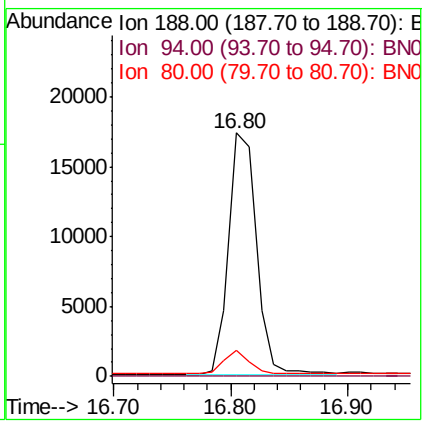
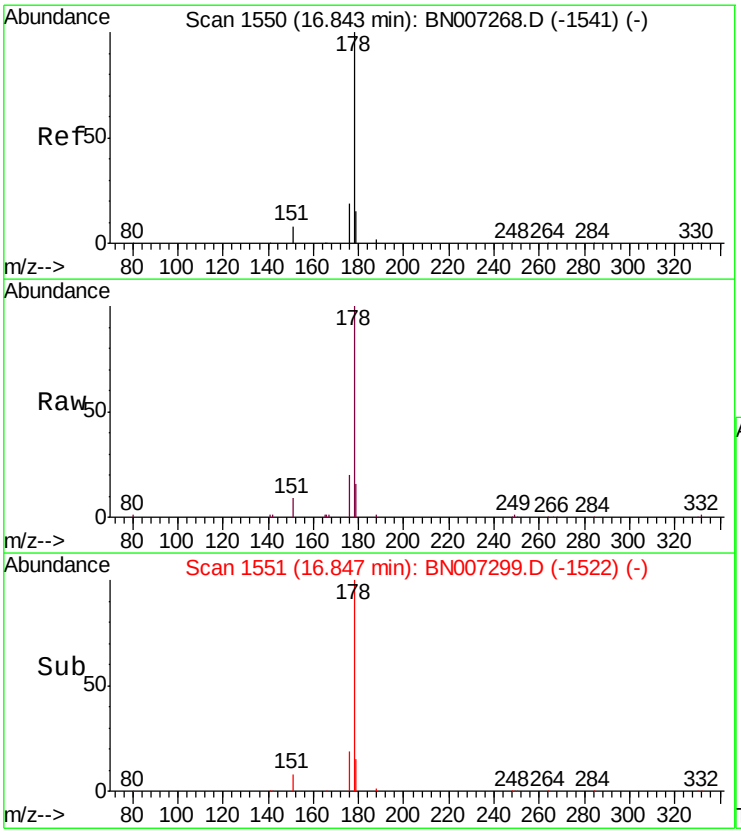
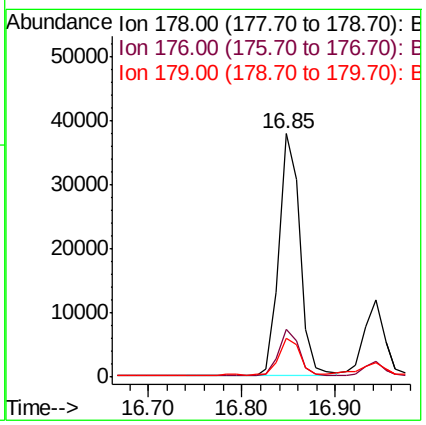


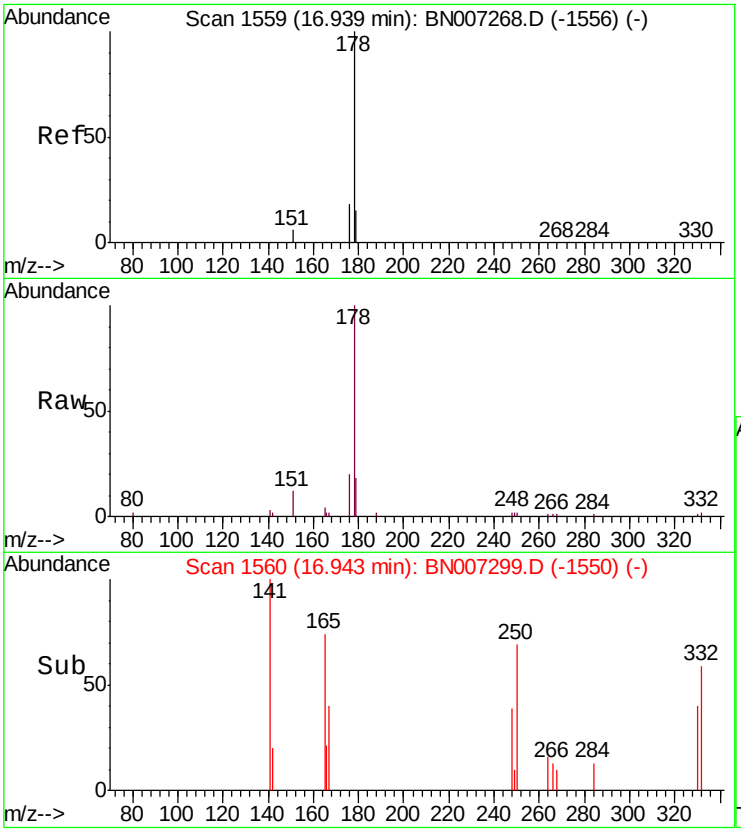


#23
Phenanthrene
Concen: 0.659 ng
RT: 16.85 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:178 Resp: 58777

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.7	12.3	18.5





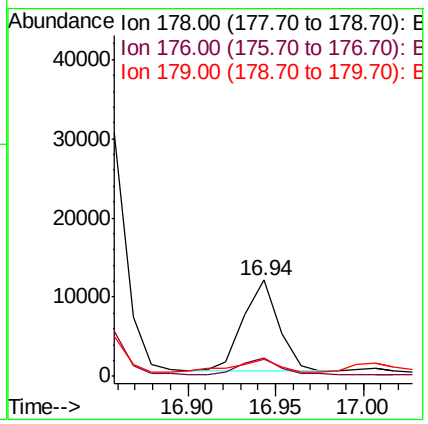
#24
Anthracene
Concen: 0.200 ng
RT: 16.94 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

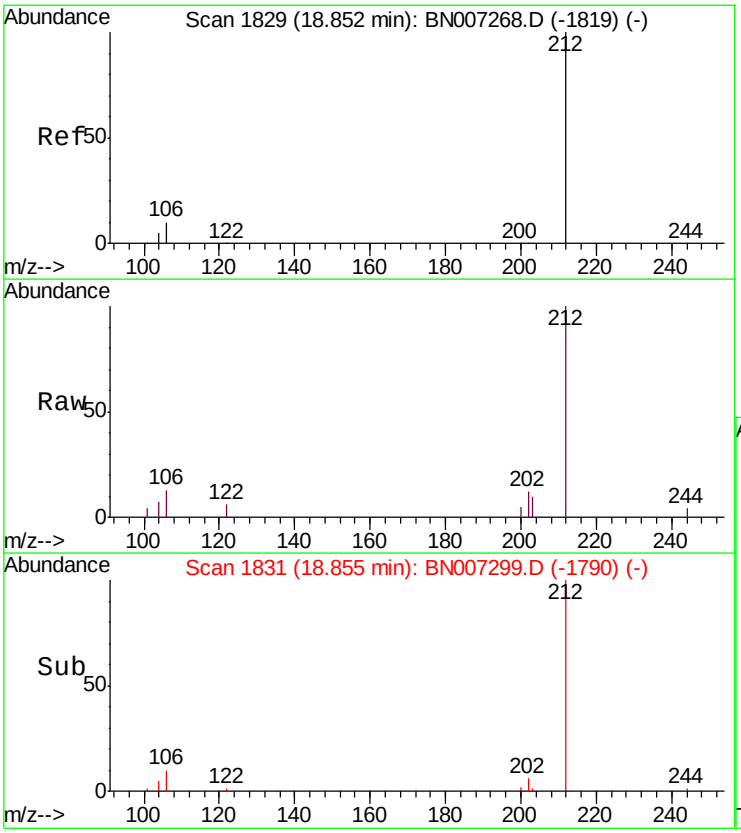
Tgt Ion:178 Resp: 16096

Ion	Ratio	Lower	Upper
178	100		
176	19.9	14.3	21.5
179	18.7	12.3	18.5#

Instrument :
BNA_N
ClientSampleId :
S303-J-1.5-2.0-082019

Manual Integrations APPROVED
Jagrut
8/26/2019 12:24:46 PM

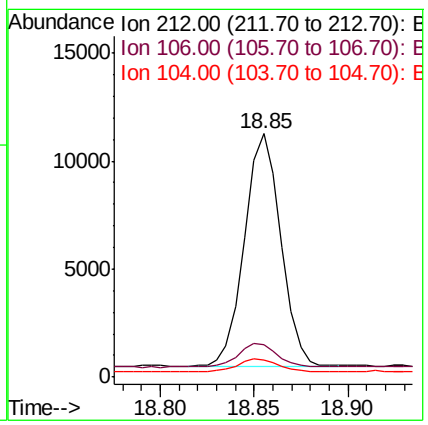


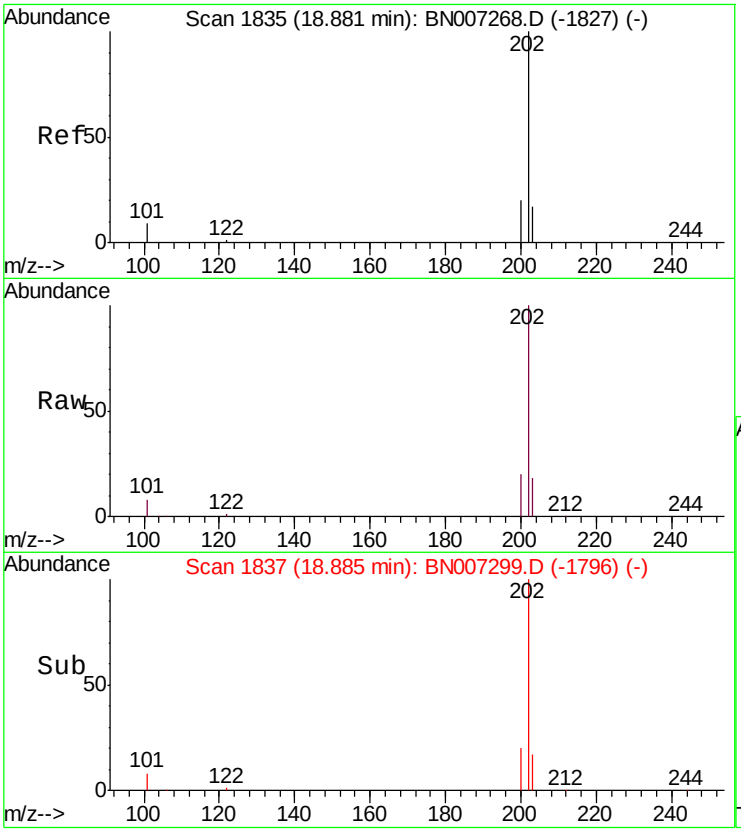


#25
Fluoranthene-d10
Concen: 0.161 ng
RT: 18.85 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:212 Resp: 14484

Ion	Ratio	Lower	Upper
212	100		
106	11.2	8.2	12.4
104	6.5	4.7	7.1





#26
Fluoranthene
Concen: 2.676 ng
RT: 18.88 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:202 Resp: 289022

Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.2	10.8
203	17.5	13.8	20.6

Instrument :
BNA_N
ClientSampleId :
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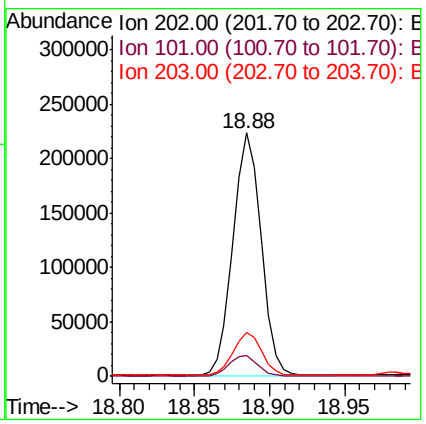
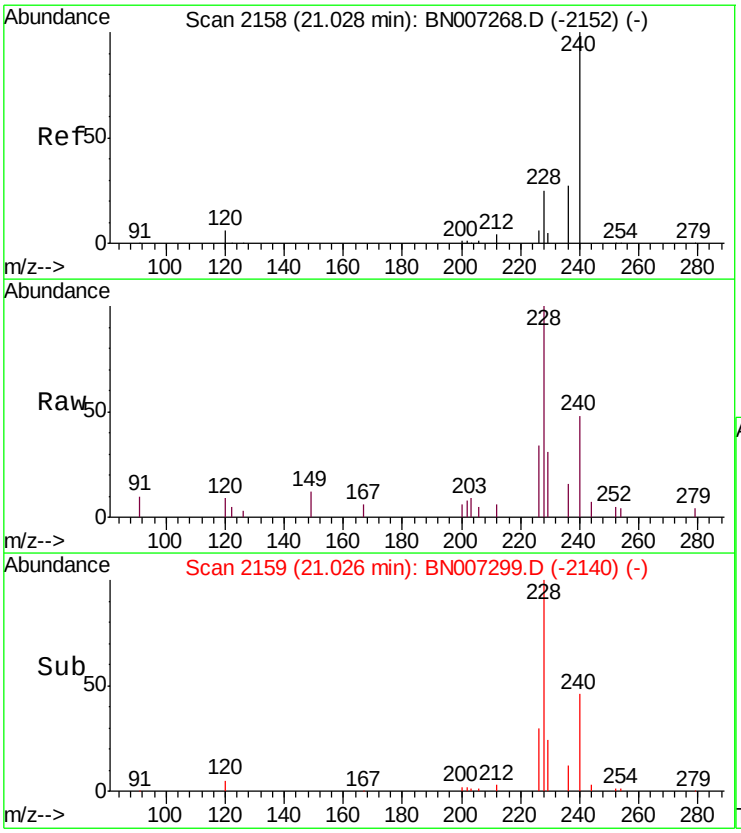
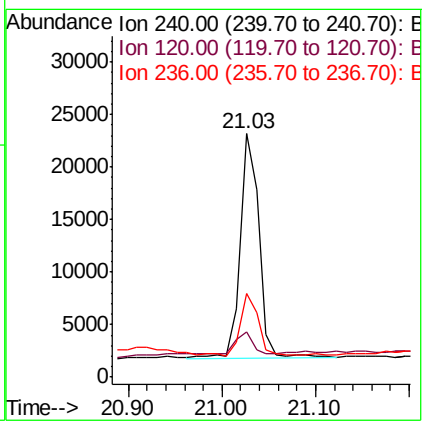


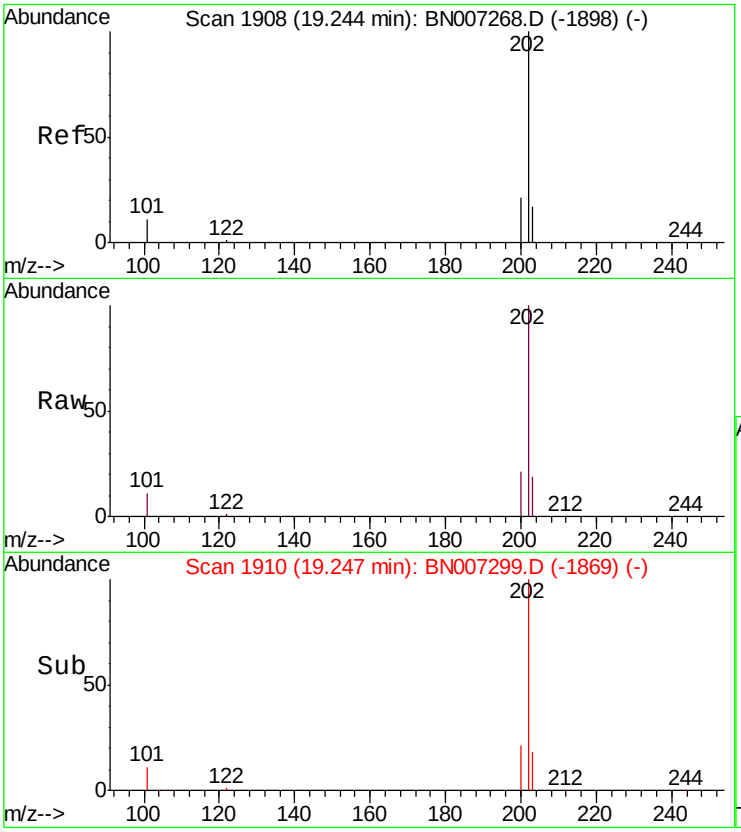


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:240 Resp: 29790

Ion	Ratio	Lower	Upper
240	100		
120	18.3	5.6	8.4#
236	34.1	21.6	32.4#





#28
Pyrene
Concen: 2.321 ng
RT: 19.25 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:202 Resp: 258564

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	22.5	13.9	20.9#

Instrument :
BNA_N
ClientSampleId :
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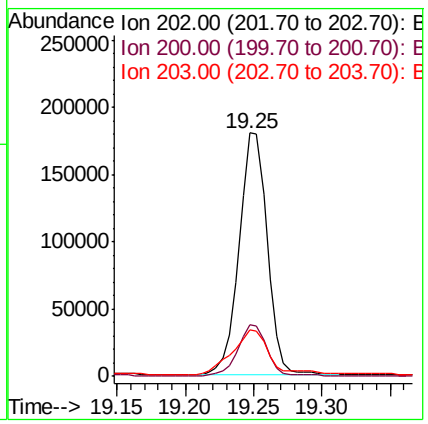
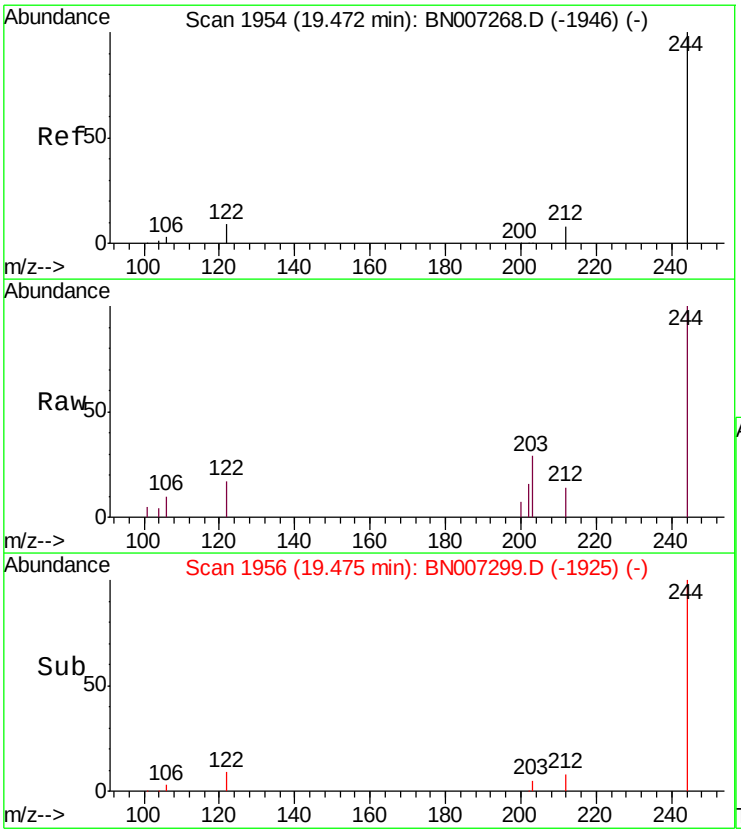
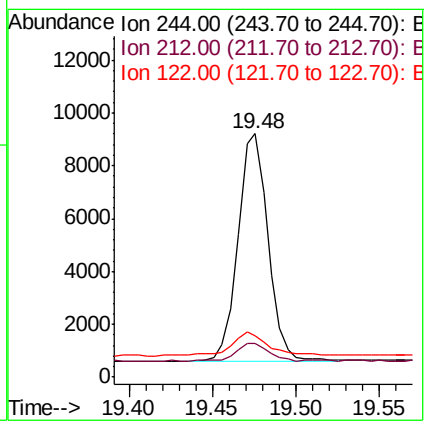


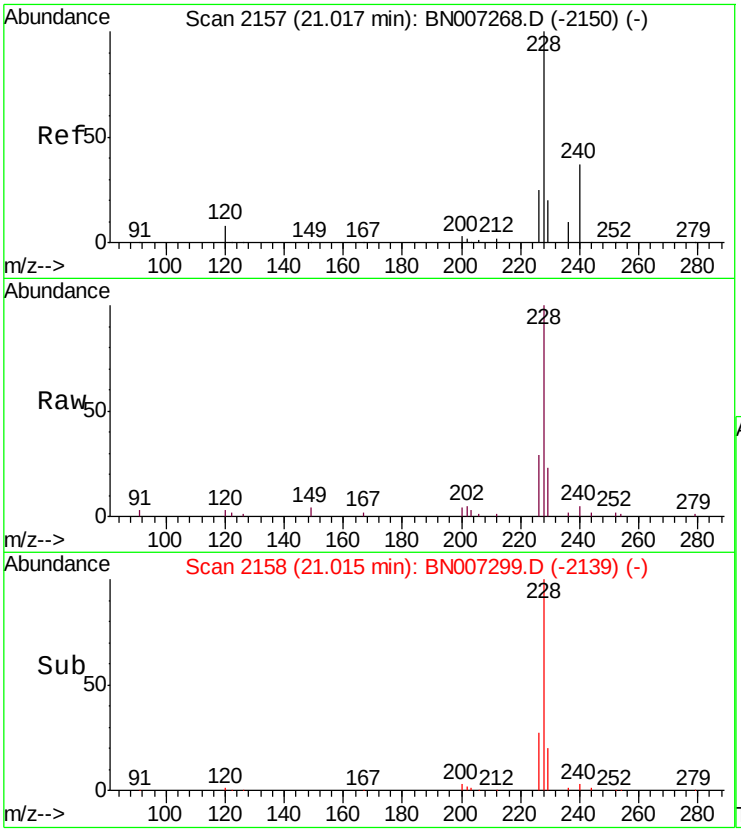


#29
Terphenyl-d14
Concen: 0.146 ng
RT: 19.48 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:244 Resp: 10849

Ion	Ratio	Lower	Upper
244	100		
212	13.6	6.5	9.7#
122	17.2	7.9	11.9#

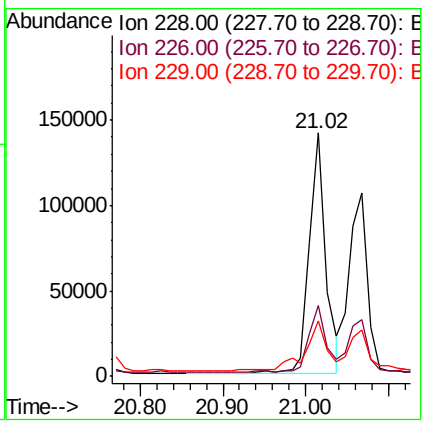




#30
Benzo(a)anthracene
Concen: 1.742 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:228 Resp: 192989

Ion	Ratio	Lower	Upper
228	100		
226	29.1	20.6	30.8
229	22.7	16.9	25.3



Instrument :
BNA_N
ClientSampleId :
S303-J-1.5-2.0-082019

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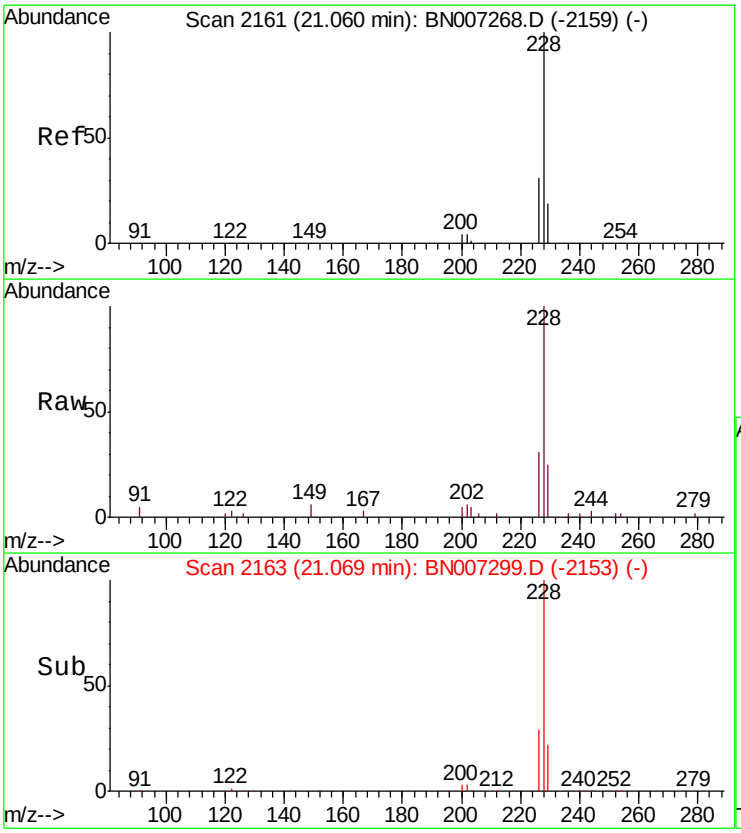
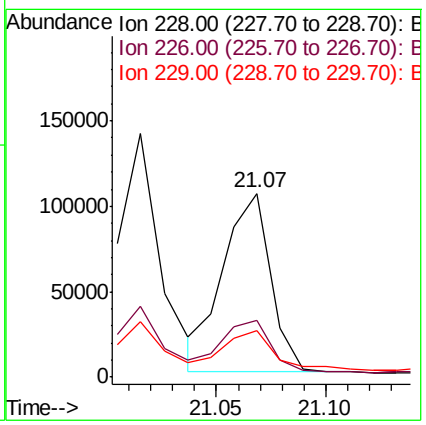
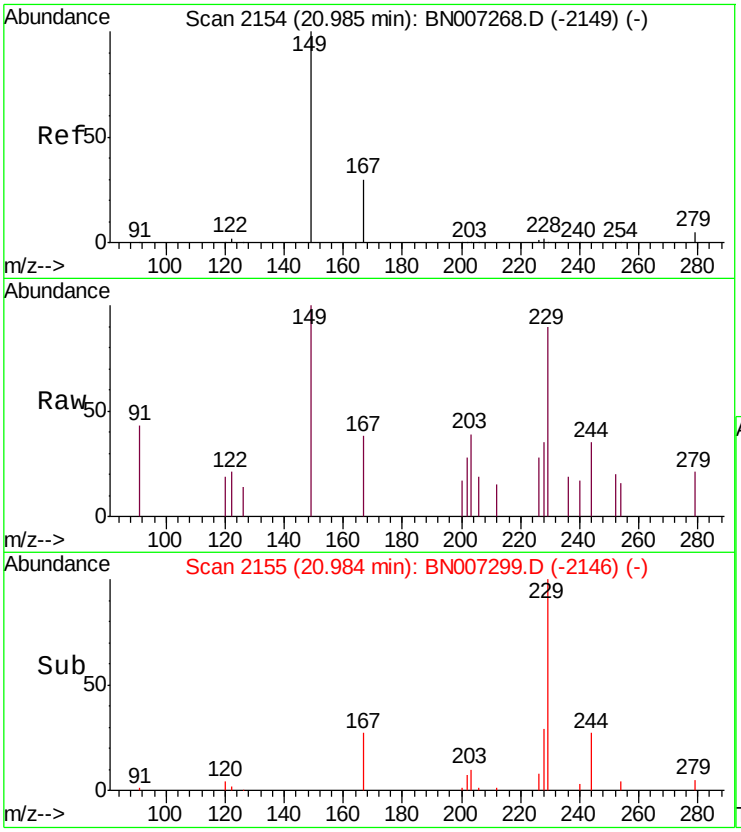


#31
Chrysene
Concen: 1.400 ng m
RT: 21.07 min Scan# 2163
Delta R.T. 0.01 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:228 Resp: 158256

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	36.8
229	25.2	15.6	23.4#





#32
Bis(2-ethylhexyl)phthalate
Concen: 0.181 ng
RT: 20.98 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:149 Resp: 8021

Ion	Ratio	Lower	Upper
149	100		
167	43.5	23.8	35.6#
279	10.2	3.8	5.8#

Instrument :
BNA_N
ClientSampleId :
S303-J-1.5-2.0-082019

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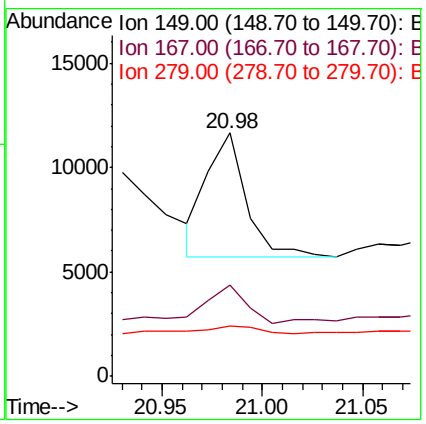
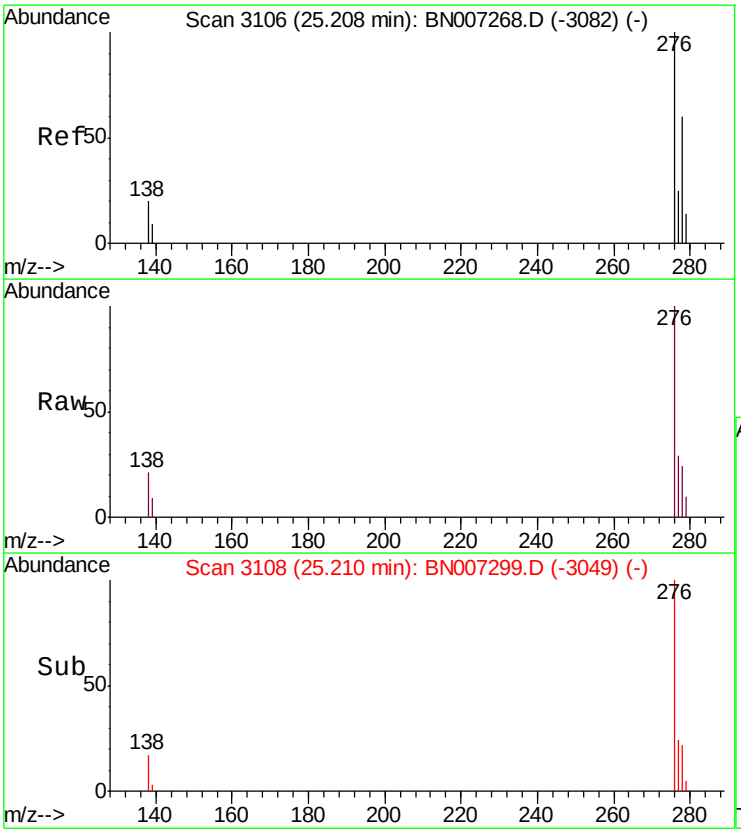
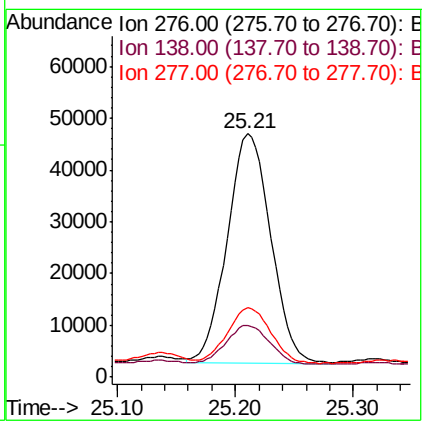


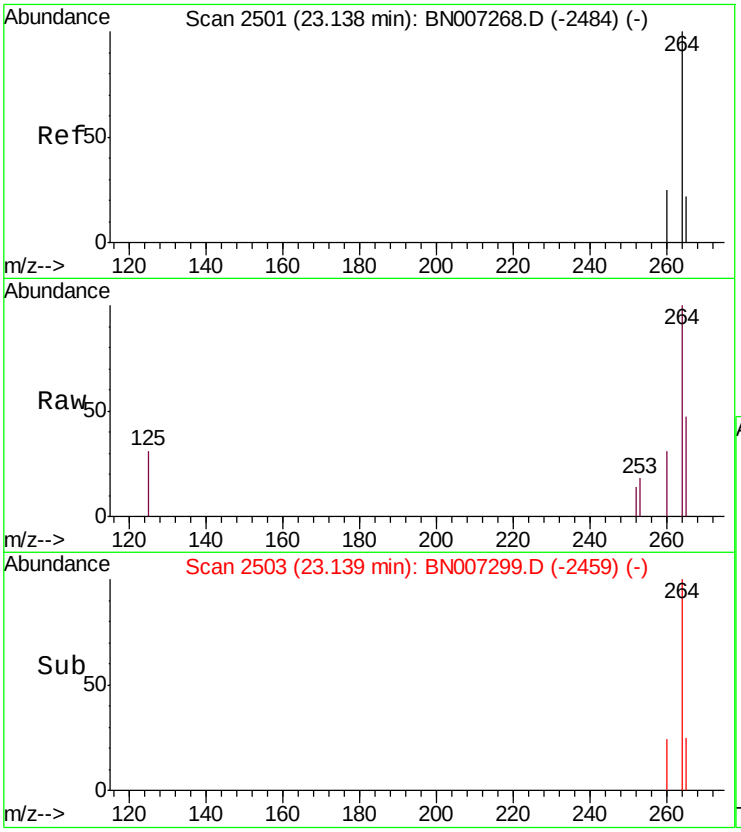


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.839 ng
RT: 25.21 min Scan# 3108
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:276 Resp: 114083

Ion	Ratio	Lower	Upper
276	100		
138	17.3	17.1	25.7
277	24.3	20.1	30.1





#34
Perylene-d12
Concen: 0.400 ng
RT: 23.14 min Scan# 2503
Delta R.T. 0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:264 Resp: 34770

Ion	Ratio	Lower	Upper
264	100		
260	31.4	20.1	30.1#
265	47.4	29.0	43.6#

Instrument :
BNA_N
ClientSampleId :
S303-J-1.5-2.0-082019

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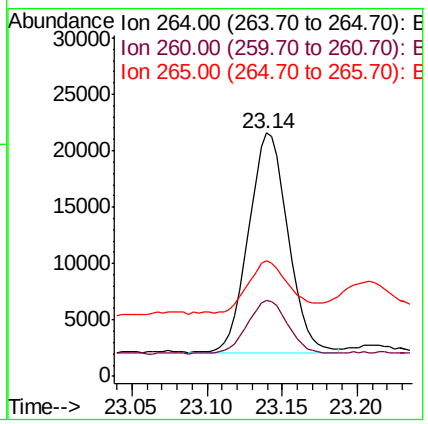
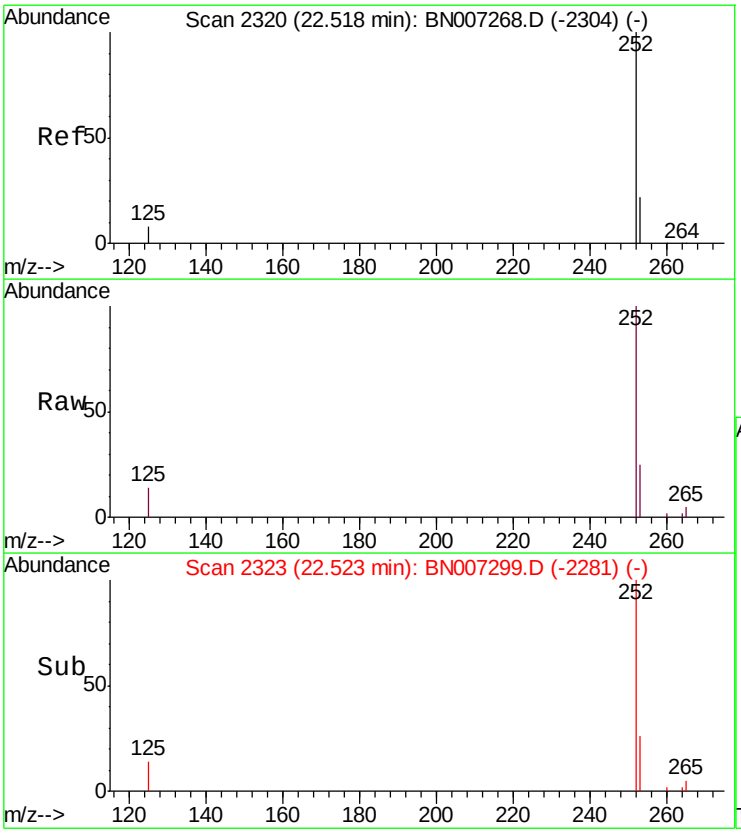
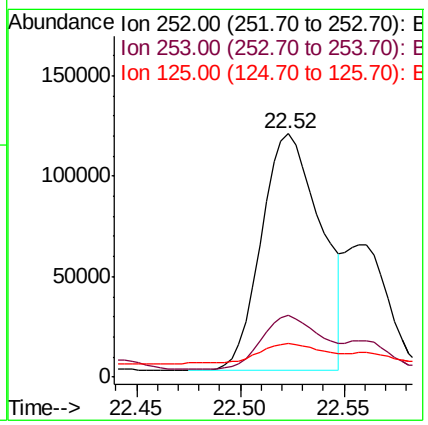


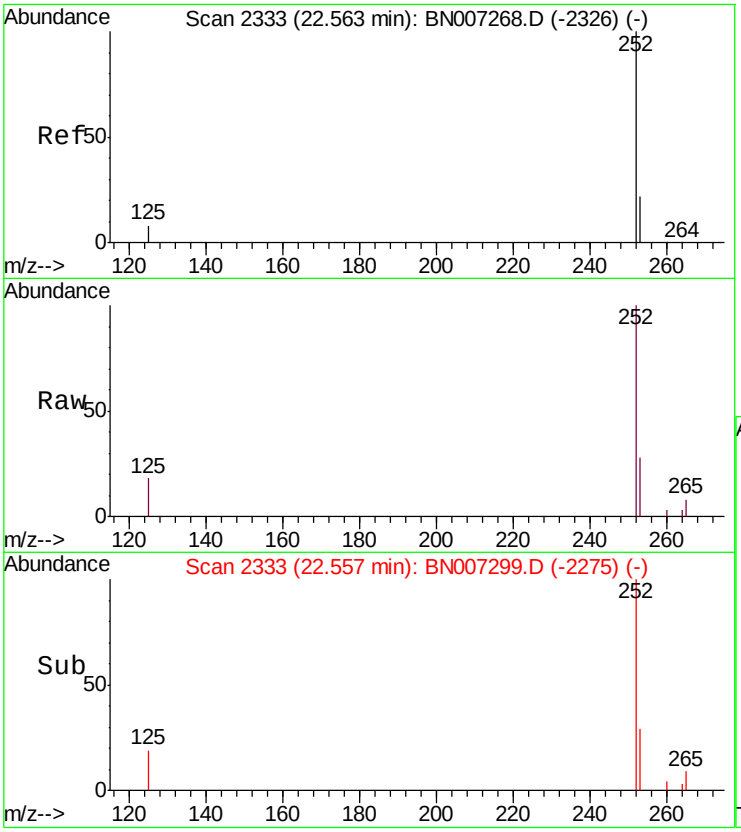


#35
Benzo(b)fluoranthene
Concen: 1.808 ng
RT: 22.52 min Scan# 2323
Delta R.T. 0.01 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:252 Resp: 234401

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.5	27.7
125	13.7	7.8	11.6#





#36
Benzo(k)fluoranthene
Concen: 0.715 ng m
RT: 22.56 min Scan# 2333
Delta R.T. -0.01 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:252 Resp: 90824

Ion	Ratio	Lower	Upper
252	100		
253	27.6	18.4	27.6
125	18.3	8.0	12.0#

Instrument :
BNA_N
ClientSampleId :
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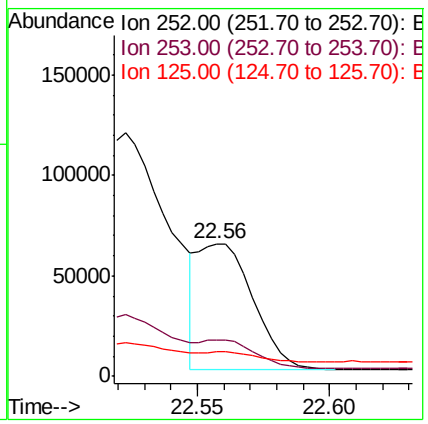
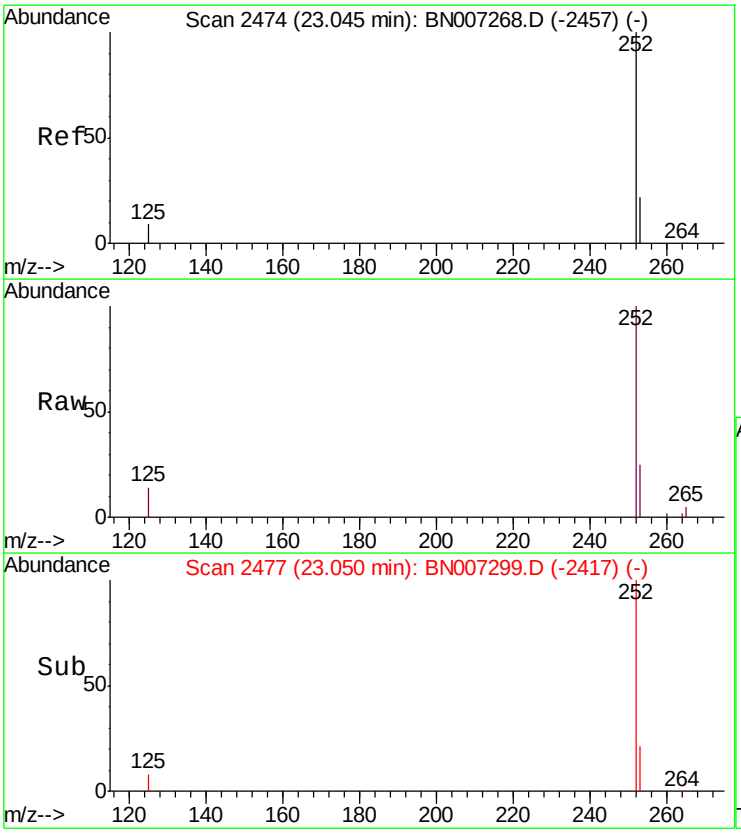
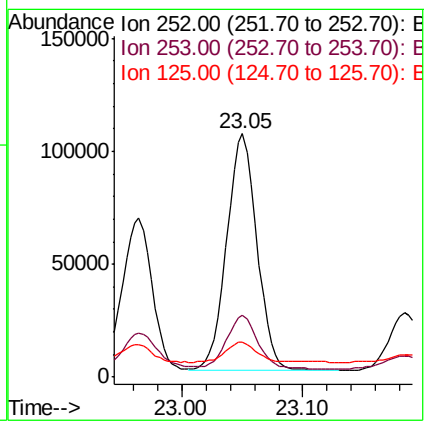


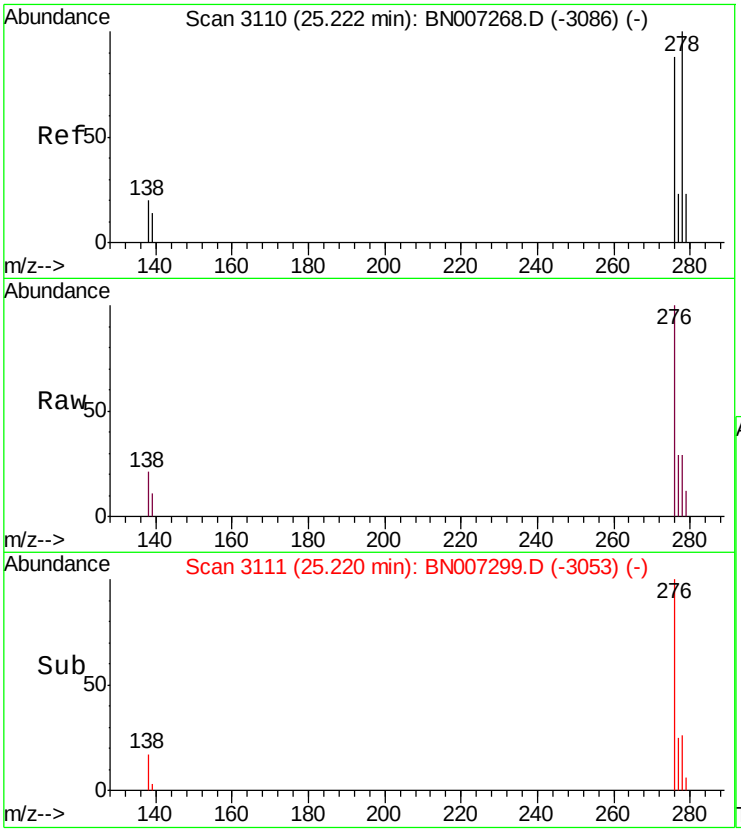


#37
Benzo(a)pyrene
Concen: 1.552 ng
RT: 23.05 min Scan# 2477
Delta R.T. 0.01 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:252 Resp: 181312

Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.7	28.1
125	14.3	8.7	13.1#





#38
Dibenzo(a,h)anthracene
Concen: 0.250 ng
RT: 25.22 min Scan# 3111
Delta R.T. -0.00 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:278 Resp: 30629

Ion	Ratio	Lower	Upper
278	100		
139	37.8	11.8	17.8#
279	41.9	19.8	29.6#

Instrument :
BNA_N
ClientSampleId :
S303-J-1.5-2.0-082019

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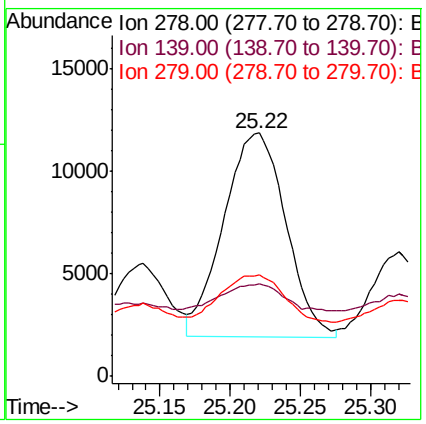

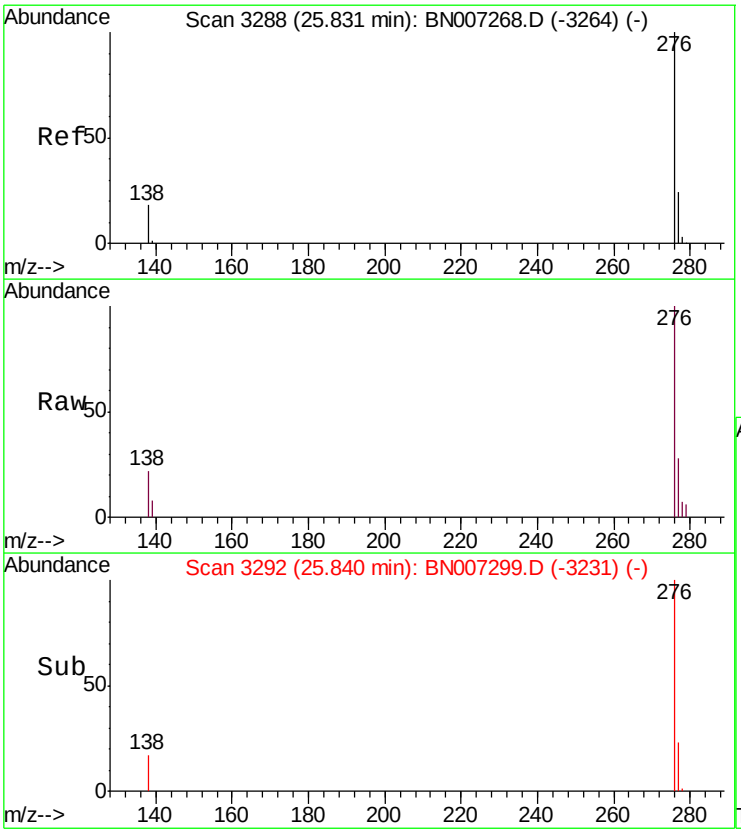

#39
Benzo(g,h,i)perylene
Concen: 0.904 ng
RT: 25.84 min Scan# 3292
Delta R.T. 0.01 min
Lab File: BN007299.D
Acq: 21 Aug 2019 20:34

Tgt Ion:276 Resp: 112105

Ion	Ratio	Lower	Upper
276	100		
277	28.3	19.5	29.3
138	21.8	15.3	22.9