Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
Data File : BN007288.D
Acq On : 21 Aug 2019 11:27
Operator : HP/JU
Sample : K4409-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : S300-J-1.5-2.0-081919MSD

Quant Time: Aug 21 12:35:30 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	4263	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	16432	0.40	ng		0.00
13) Acenaphthene-d10	14.06	164	9740	0.40	ng		0.00
19) Phenanthrene-d10	16.80	188	22415	0.40	ng		0.00
27) Chrysene-d12	21.03	240	21627	0.40	ng		0.00
34) Perylene-d12	23.14	264	23579	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.04	112	4970	0.38	ng		0.00
5) Phenol-d6	6.60	99	6461	0.43	ng		0.00
8) Nitrobenzene-d5	8.54	82	4663	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	11.77	152	11192	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	2536	0.46	ng		0.00
15) 2-Fluorobiphenyl	12.68	172	13738	0.33	ng		0.00
25) Fluoranthene-d10	18.85	212	22688	0.32	ng		0.00
29) Terphenyl-d14	19.47	244	17442	0.32	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.01	88	1789	0.296	ng	#	1
3) n-Nitrosodimethylamine	3.32	42	1159	0.286	ng	#	85
6) bis(2-Chloroethyl)ether	6.85	93	4551	0.361	ng		97
9) Naphthalene	10.22	128	24097	0.517	ng		100
10) Hexachlorobutadiene	10.52	225	3190	0.310	ng	#	99
12) 2-Methylnaphthalene	11.84	142	19557	0.606	ng		99
16) Acenaphthylene	13.77	152	29082	0.563	ng		99
17) Acenaphthene	14.11	154	12833	0.390	ng		97
18) Fluorene	15.12	166	18501	0.430	ng		96
20) 4-Bromophenyl-phenylether	16.01	248	4463	0.348	ng	#	79
21) Hexachlorobenzene	16.12	284	4532	0.305	ng		99
22) Pentachlorophenol	16.46	266	5736	0.962	ng		95
23) Phenanthrene	16.85	178	88746	1.263	ng		100
24) Anthracene	16.93	178	33756	0.534	ng		97
26) Fluoranthene	18.88	202	161069	1.893	ng		99
28) Pyrene	19.25	202	154930	1.916	ng		96
30) Benzo(a)anthracene	21.02	228	97144	1.208	ng	#	92
31) Chrysene	21.06	228	98086	1.195	ng		97
32) Bis(2-ethylhexyl)phthalate	20.98	149	23961	0.746	ng		98
33) Indeno(1,2,3-cd)pyrene	25.20	276	73079	0.740	ng		99
35) Benzo(b)fluoranthene	22.52	252	113912	1.296	ng	#	95
36) Benzo(k)fluoranthene	22.56	252	59151	0.687	ng	#	88
37) Benzo(a)pyrene	23.05	252	87013	1.098	ng		98
38) Dibenzo(a,h)anthracene	25.22	278	36090	0.434	ng	#	91
39) Benzo(g,h,i)perylene	25.83	276	69034	0.821	ng		98

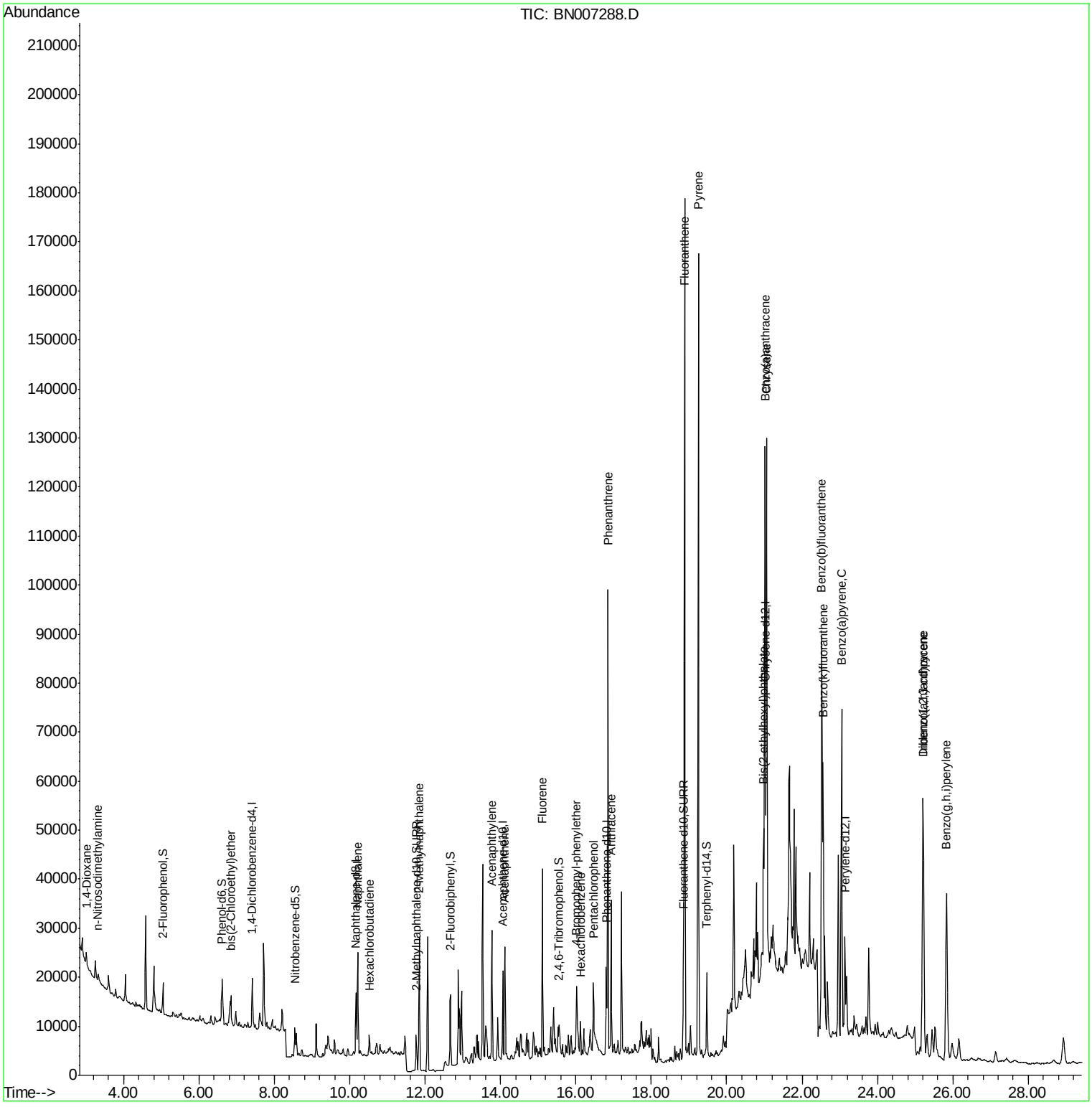
(#) = qualifier out of range (m) = manual integration (+) = signals summed

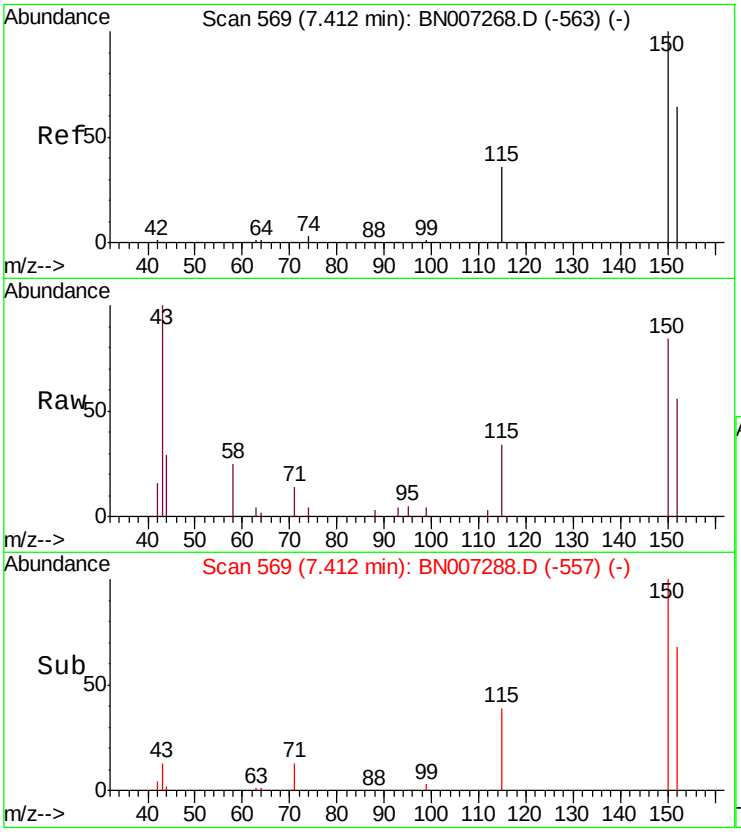
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
Data File : BN007288.D
Acq On : 21 Aug 2019 11:27
Operator : HP/JU
Sample : K4409-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Quant Time: Aug 21 12:35:30 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



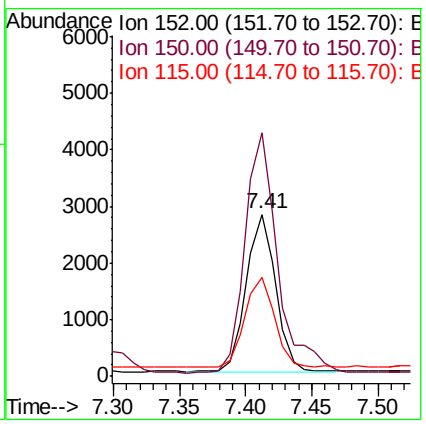


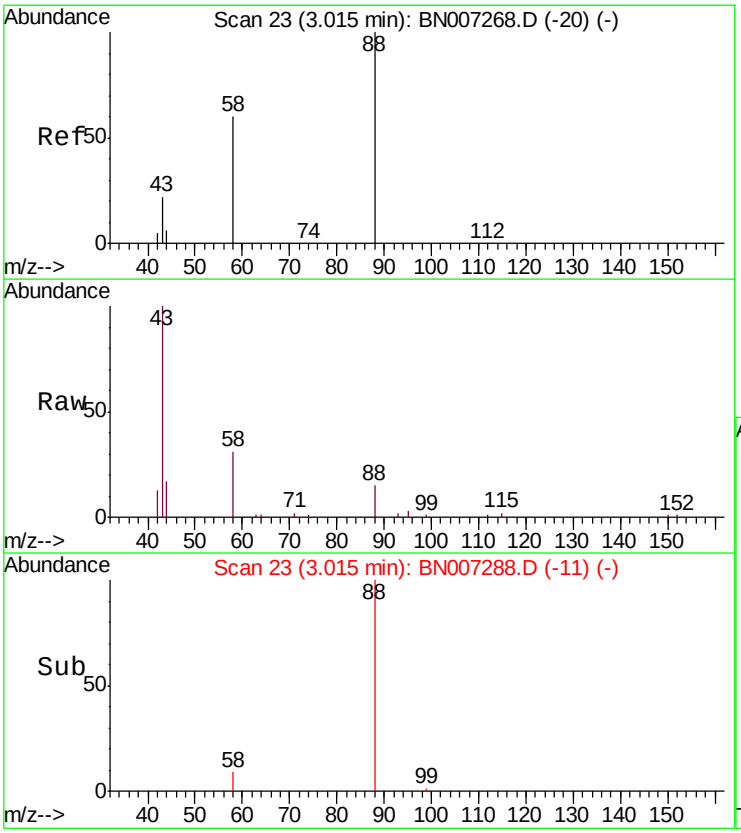
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:152 Resp: 4263

Ion	Ratio	Lower	Upper
152	100		
150	150.4	123.8	185.8
115	61.2	47.3	70.9

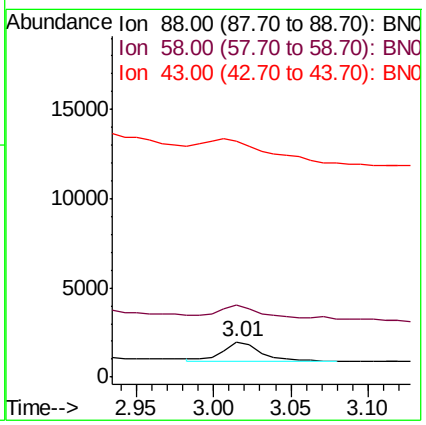


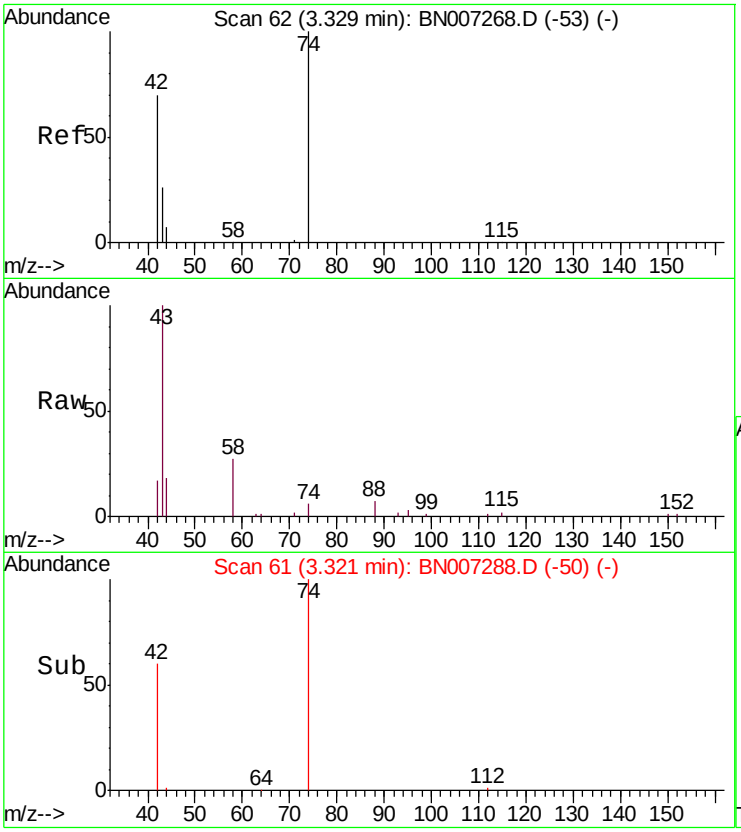


#2
1,4-Dioxane
Concen: 0.296 ng
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion: 88 Resp: 1789

Ion	Ratio	Lower	Upper
88	100		
58	76.7	45.5	68.3#
43	202.1	20.4	30.6#



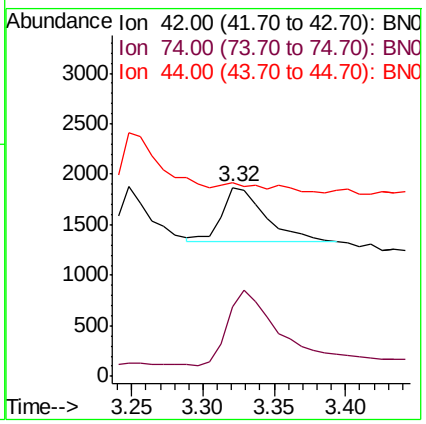


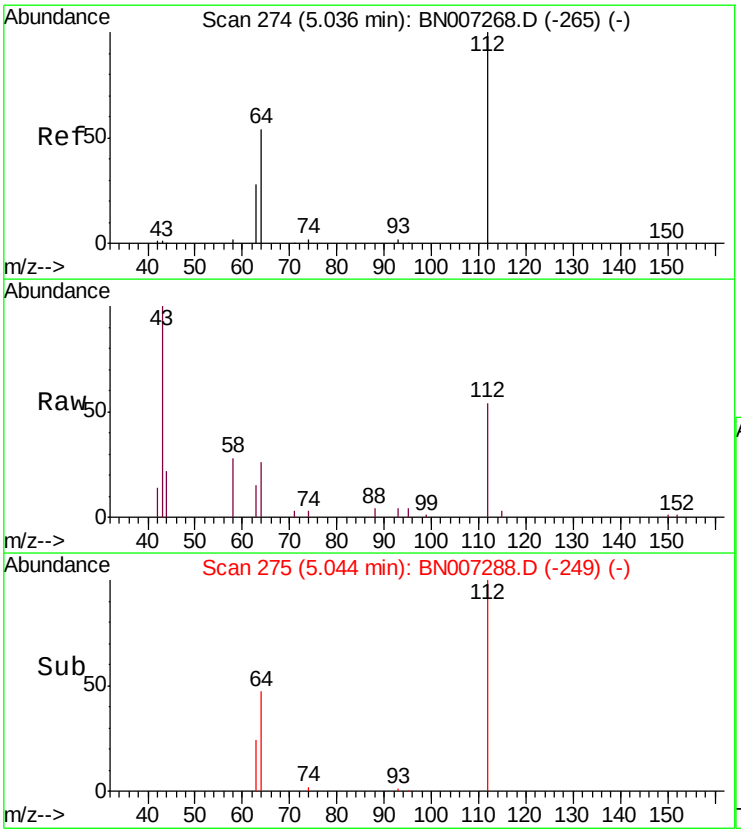
#3
n-Nitrosodimethylamine
Concen: 0.286 ng
RT: 3.32 min Scan# 61
Delta R.T. -0.01 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion: 42 Resp: 1159

Ion	Ratio	Lower	Upper
42	100		
74	154.2	109.0	163.4
44	0.0	4.2	6.2#

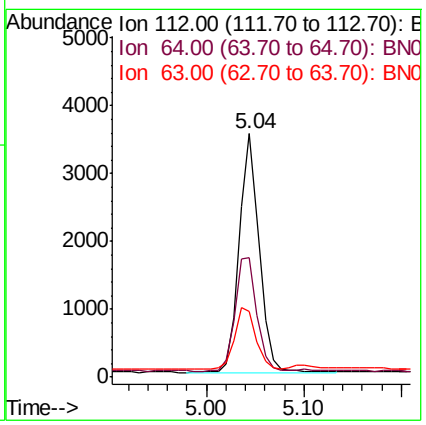


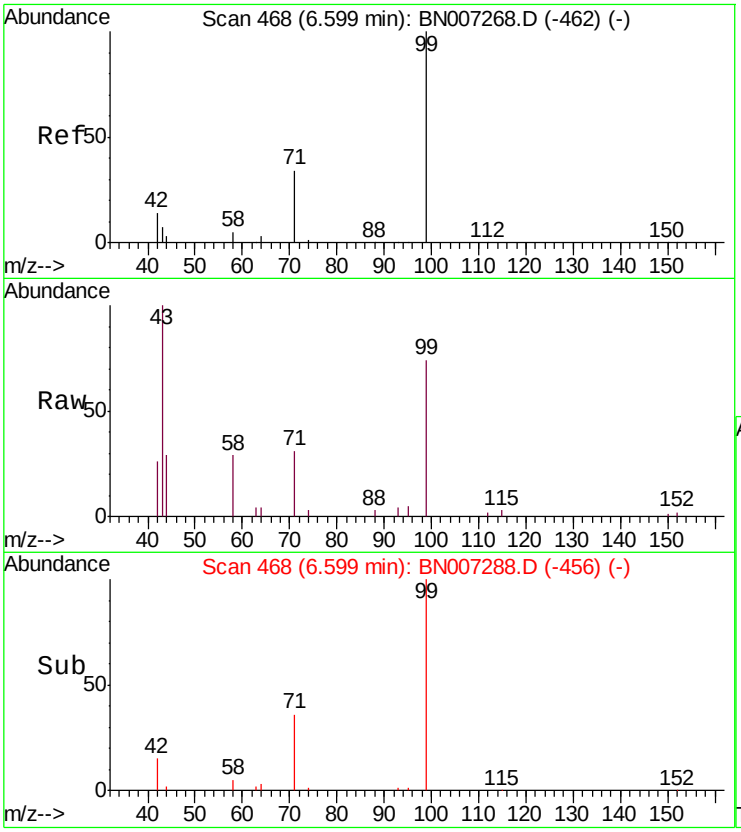


#4
2-Fluorophenol
Concen: 0.383 ng
RT: 5.04 min Scan# 275
Delta R.T. 0.01 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:112 Resp: 4970

Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.8	62.8
63	28.3	22.6	34.0



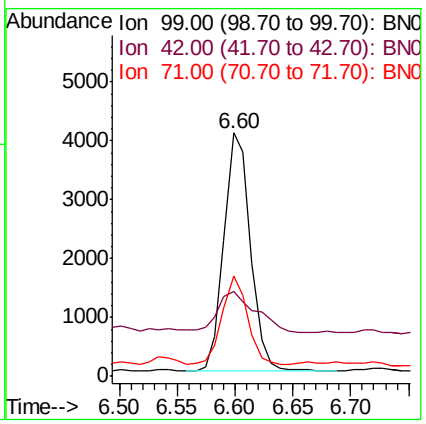


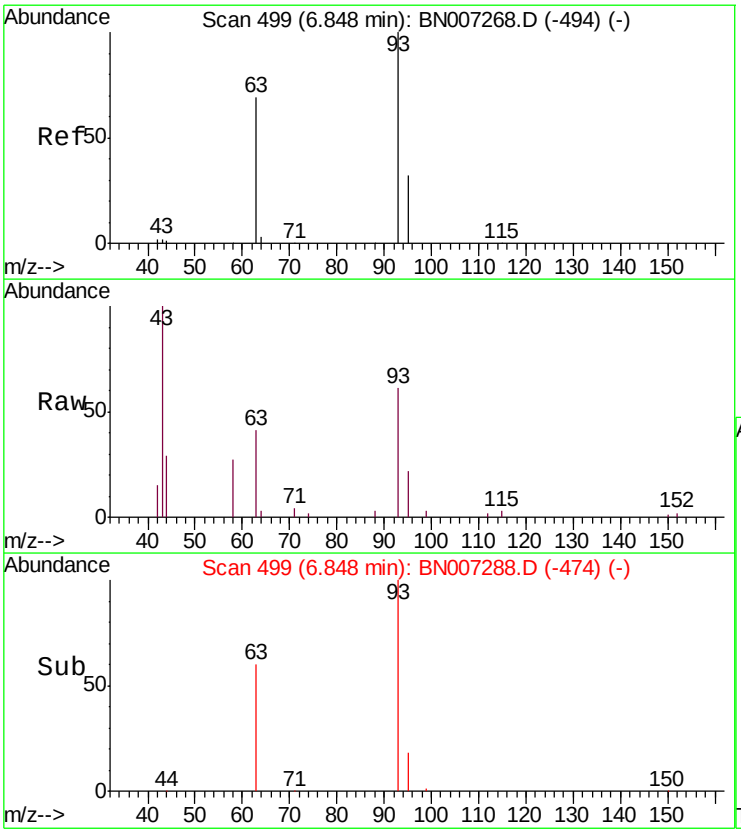
#5
Phenol-d6
Concen: 0.433 ng
RT: 6.60 min Scan# 468
Delta R.T. 0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion: 99 Resp: 6461

Ion	Ratio	Lower	Upper
99	100		
42	24.4	14.3	21.5#
71	34.8	27.3	40.9

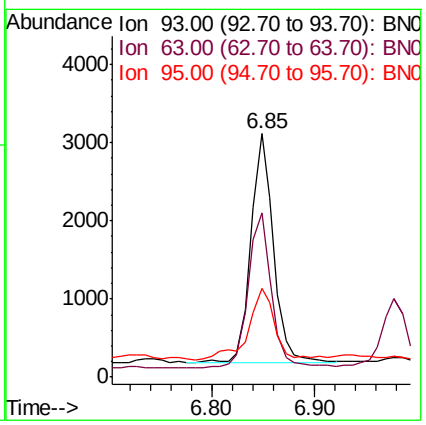


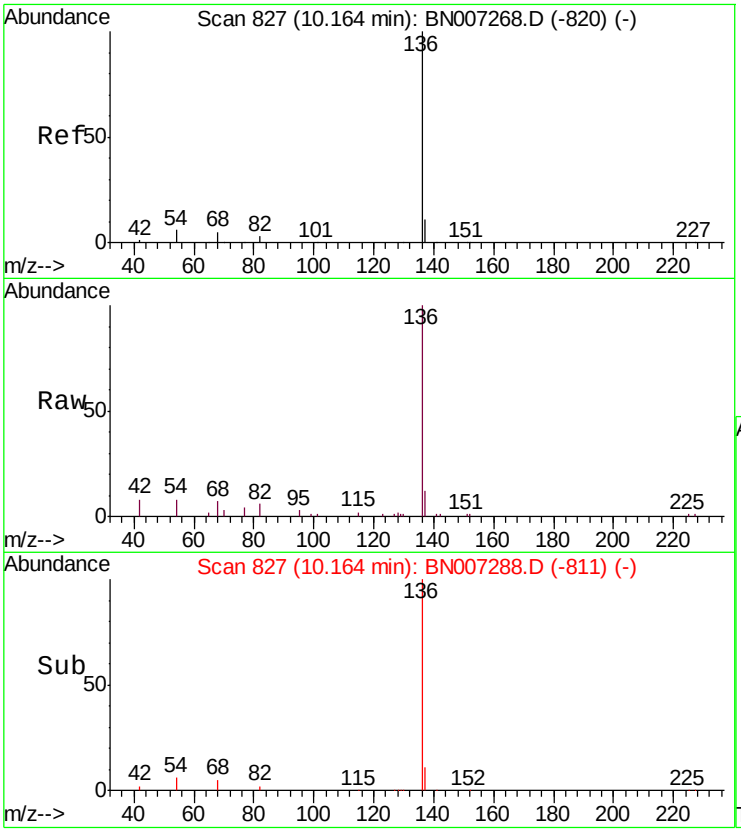


#6
bis(2-Chloroethyl)ether
Concen: 0.361 ng
RT: 6.85 min Scan# 499
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion: 93 Resp: 4551

Ion	Ratio	Lower	Upper
93	100		
63	69.2	54.4	81.6
95	35.6	25.5	38.3



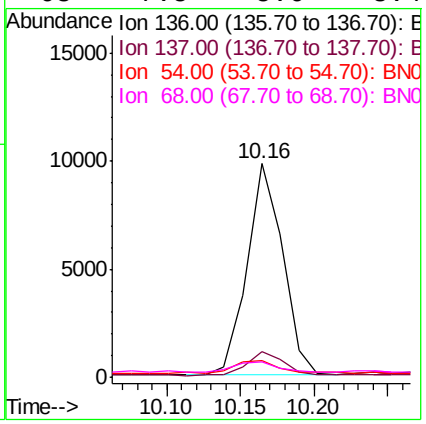


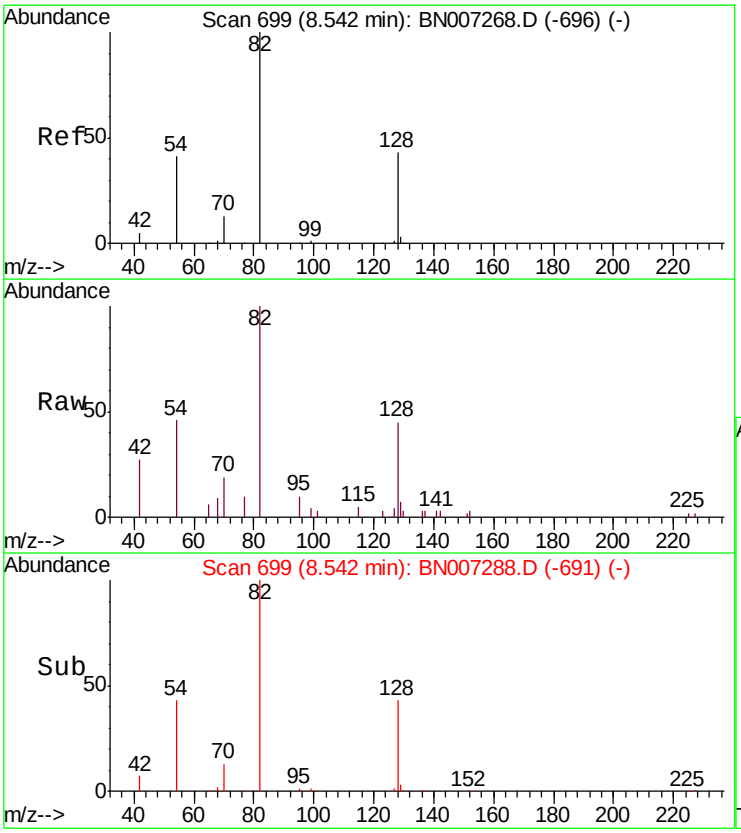
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 827
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:136 Resp: 16432

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	7.7	5.9	8.9
68	7.5	5.6	8.4

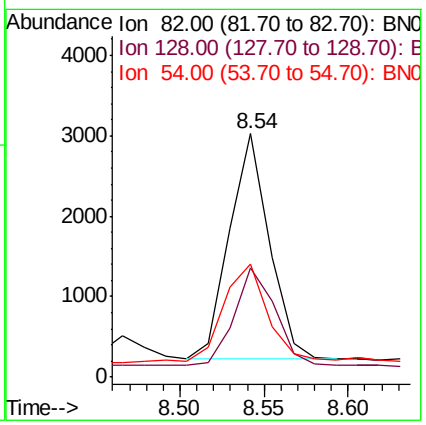


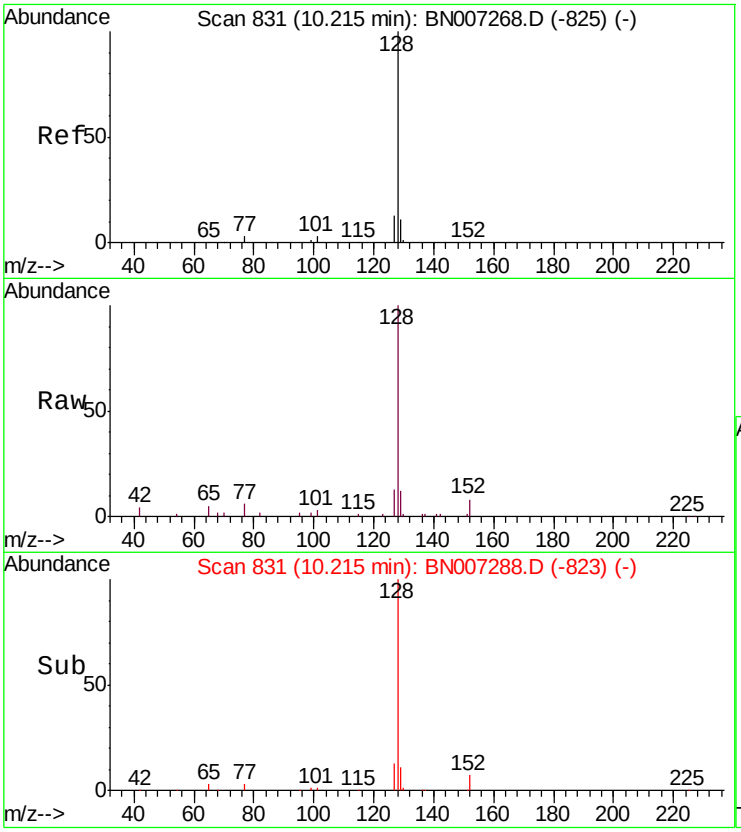


#8
Nitrobenzene-d5
Concen: 0.370 ng
RT: 8.54 min Scan# 699
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion: 82 Resp: 4663

Ion	Ratio	Lower	Upper
82	100		
128	44.8	35.8	53.6
54	46.2	34.7	52.1



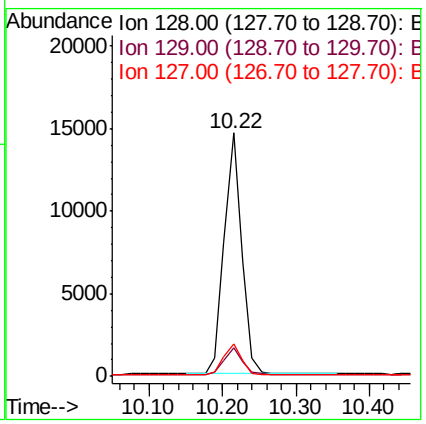


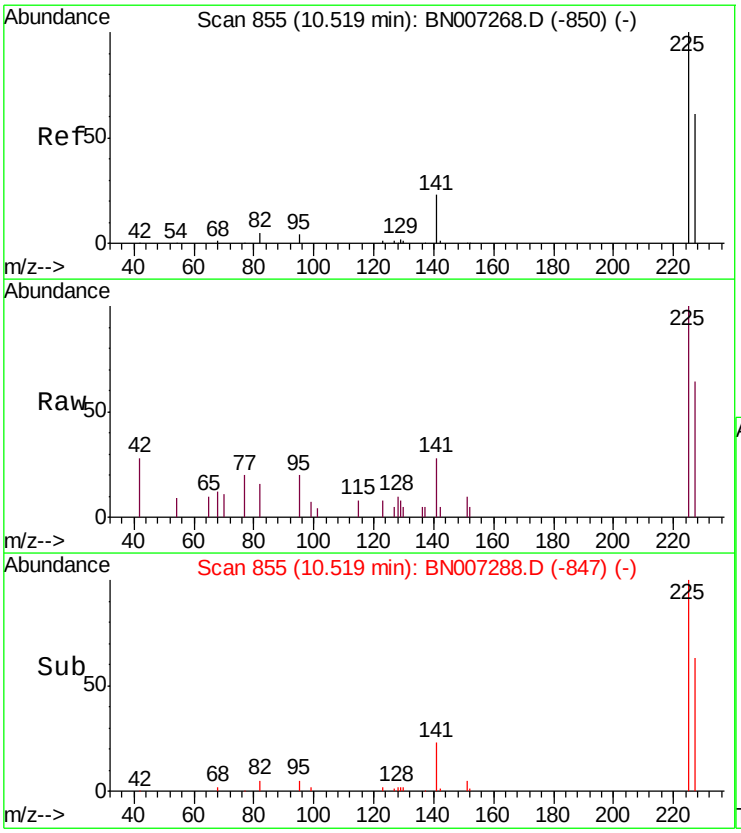
#9
Naphthalene
Concen: 0.517 ng
RT: 10.22 min Scan# 831
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:128 Resp: 24097

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.4	10.6	16.0

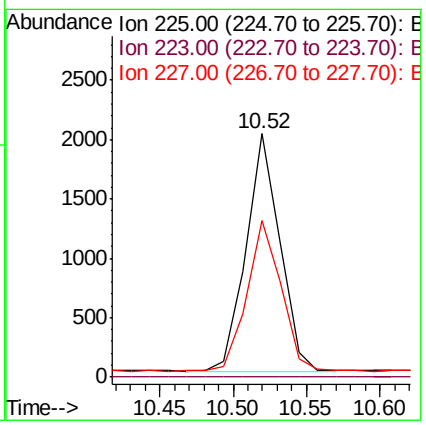


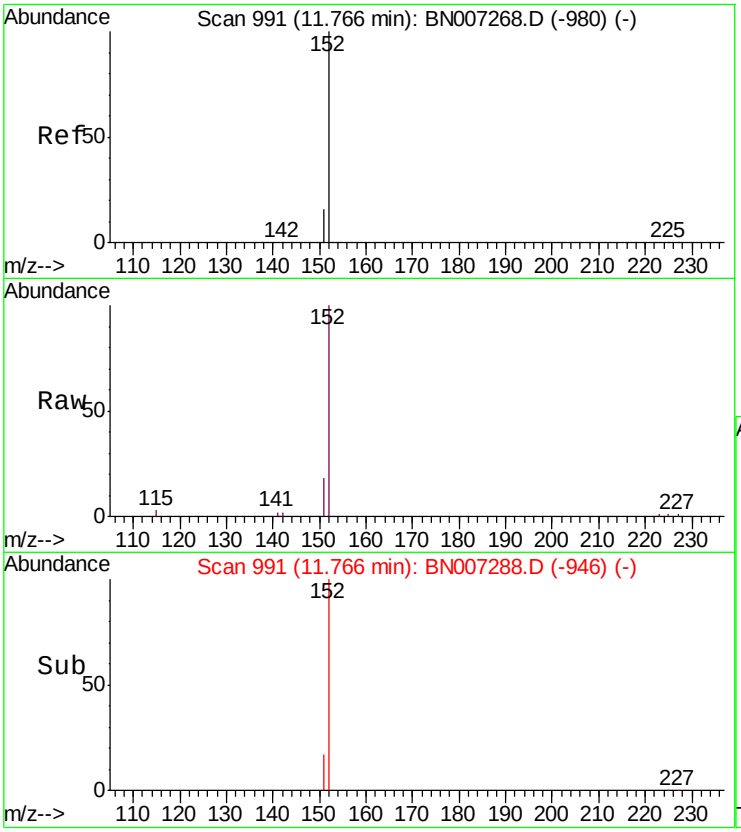


#10
Hexachlorobutadiene
Concen: 0.310 ng
RT: 10.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:225 Resp: 3190

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.6	50.2	75.2



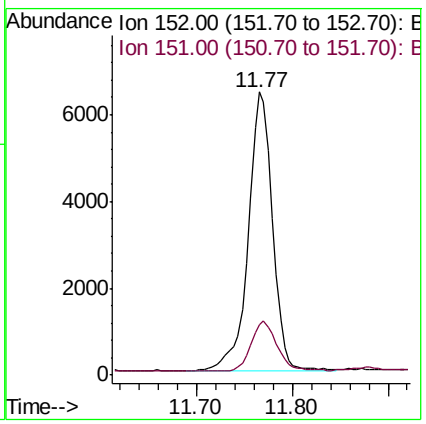


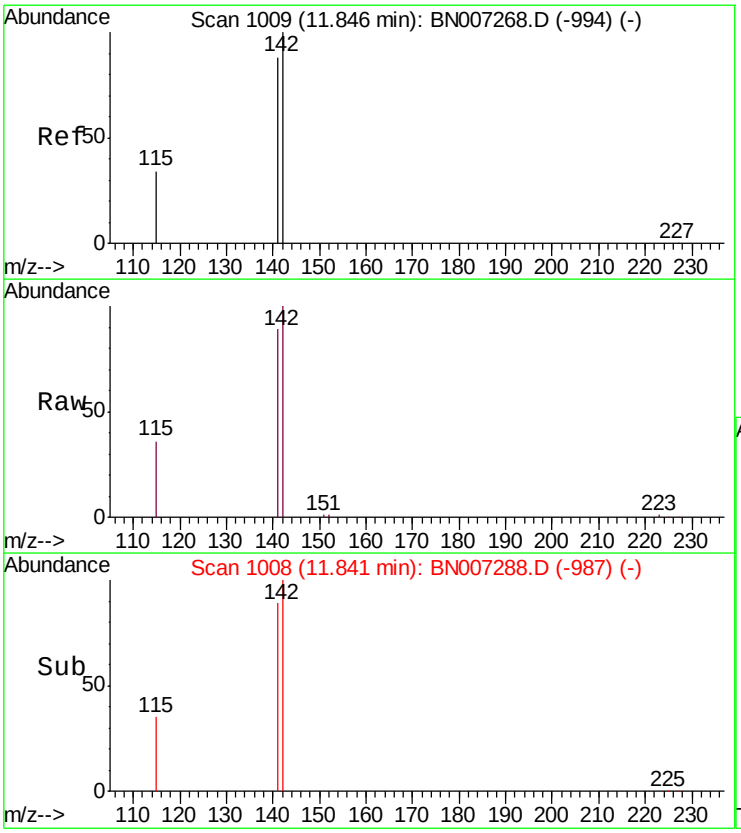
#11
2-Methylnaphthalene-d10
Concen: 0.394 ng
RT: 11.77 min Scan# 991
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:152 Resp: 11192

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.2	22.8

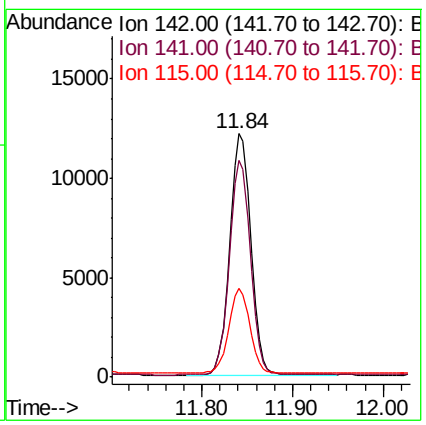


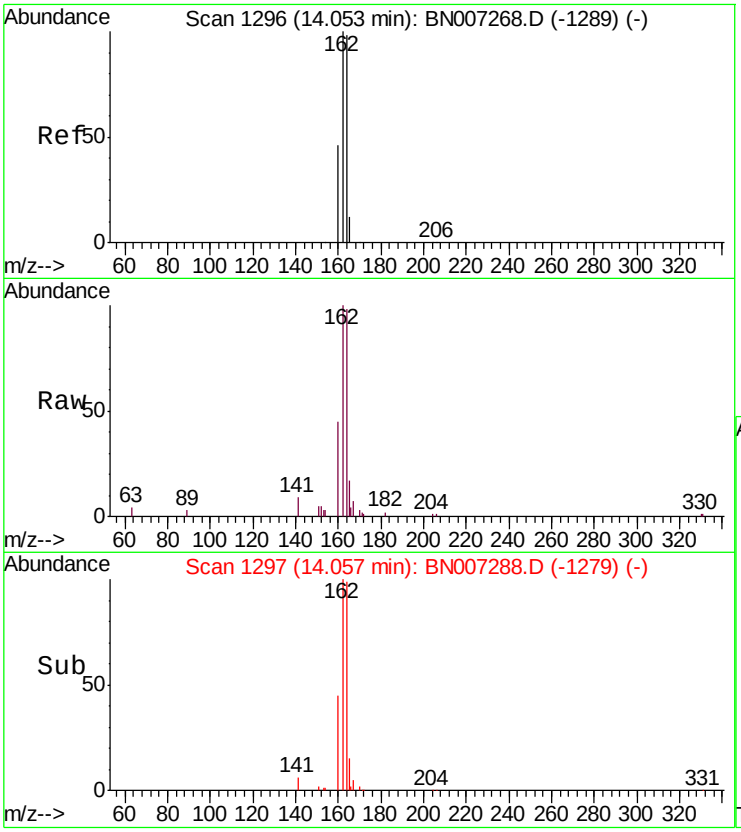


#12
2-Methylnaphthalene
Concen: 0.606 ng
RT: 11.84 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:142 Resp: 19557

Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.7	106.1
115	36.2	28.1	42.1



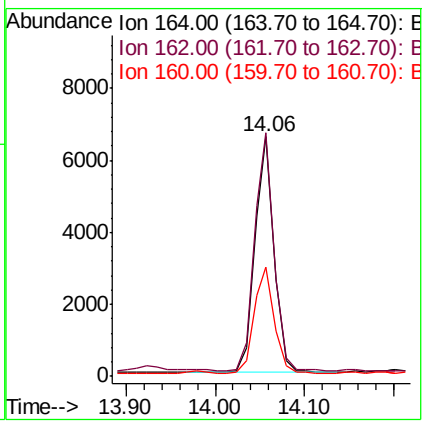


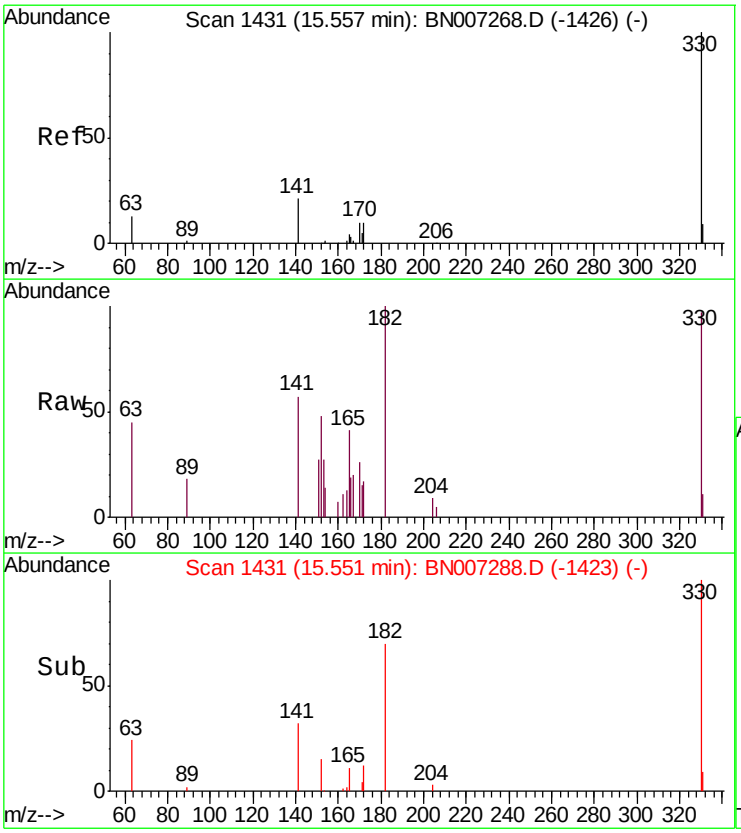
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:164 Resp: 9740

Ion	Ratio	Lower	Upper
164	100		
162	101.6	82.0	123.0
160	45.6	38.2	57.4

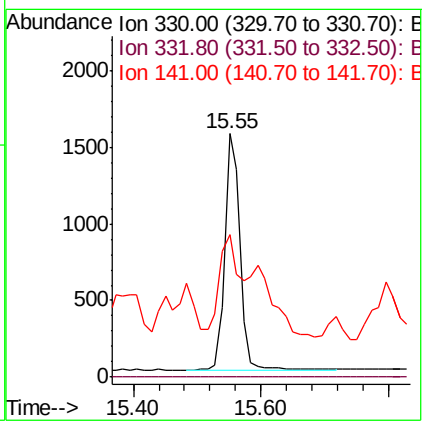


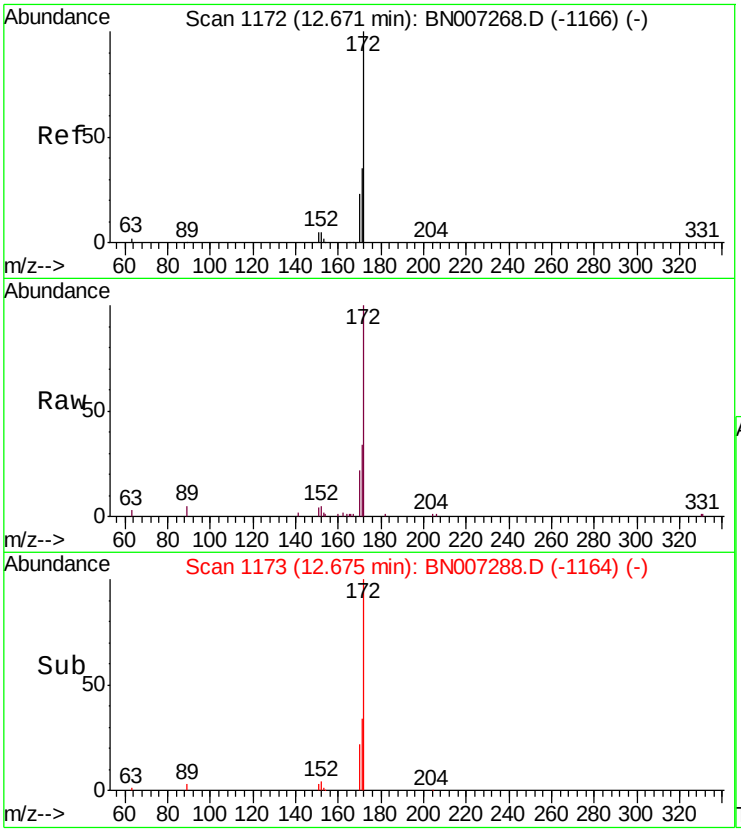


#14
2,4,6-Tribromophenol
Concen: 0.464 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:330 Resp: 2536

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	50.2	30.3	45.5#



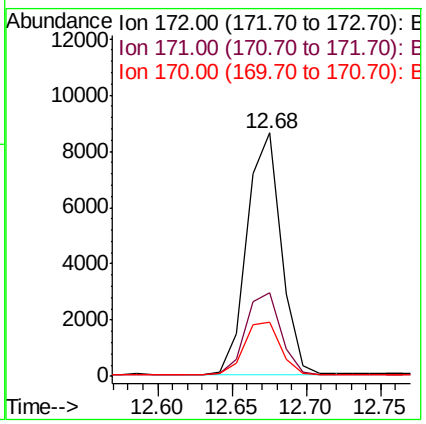


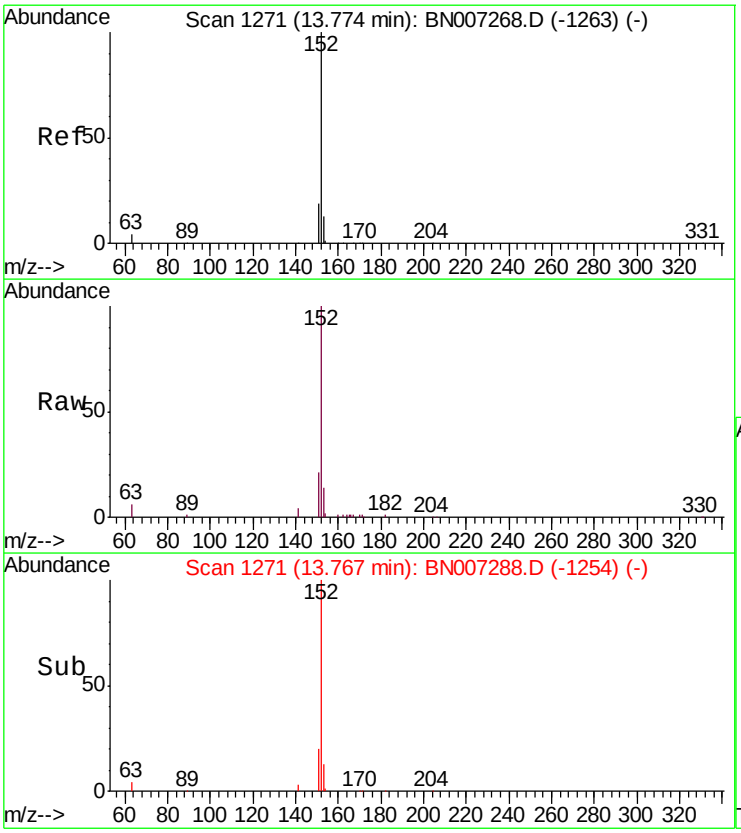
#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:172 Resp: 13738

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.6	43.0
170	22.2	18.7	28.1

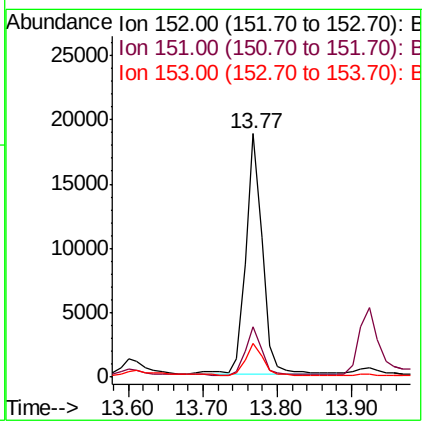


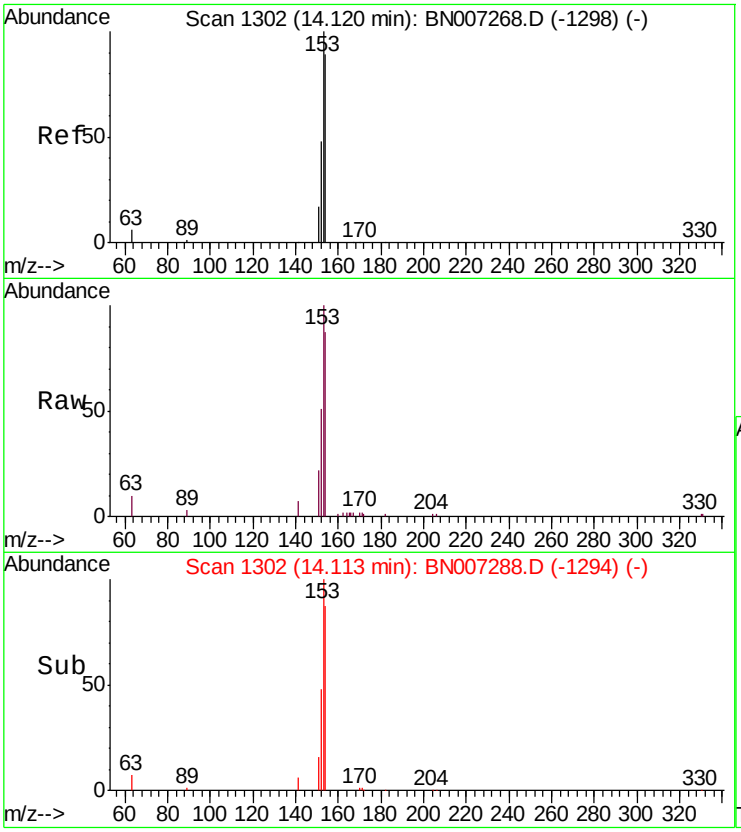


#16
Acenaphthylene
Concen: 0.563 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:152 Resp: 29082

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.5	10.1	15.1



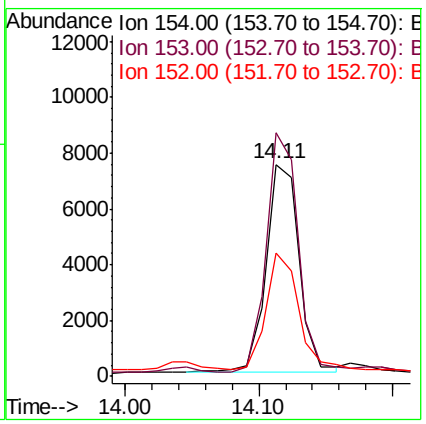


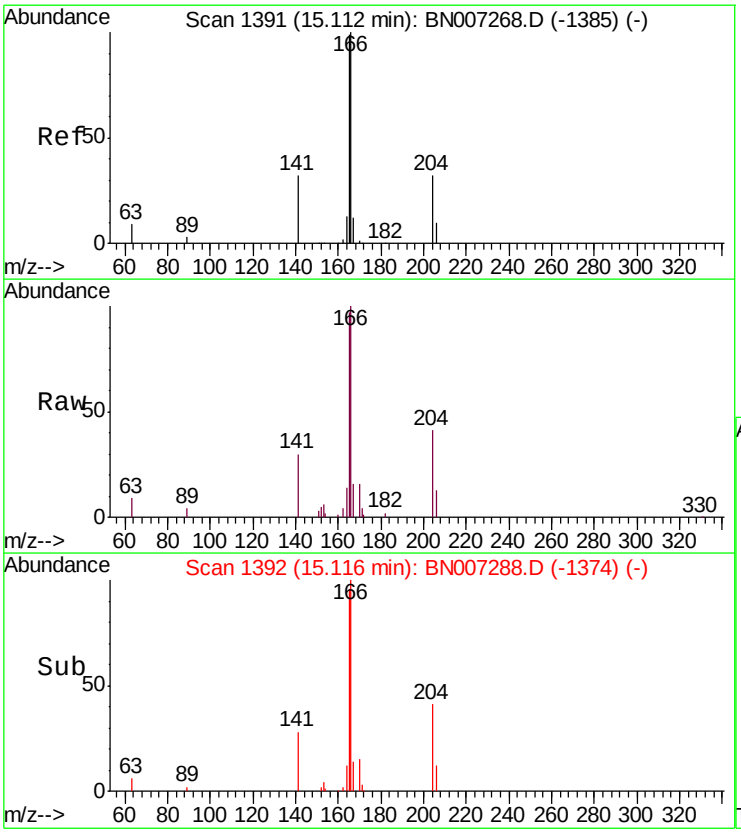
#17
Acenaphthene
Concen: 0.390 ng
RT: 14.11 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:154 Resp: 12833

Ion	Ratio	Lower	Upper
154	100		
153	114.4	89.9	134.9
152	58.0	43.9	65.9

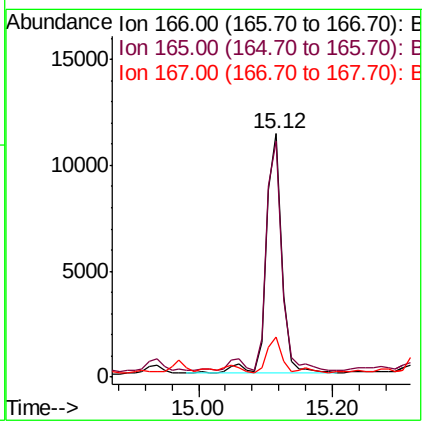


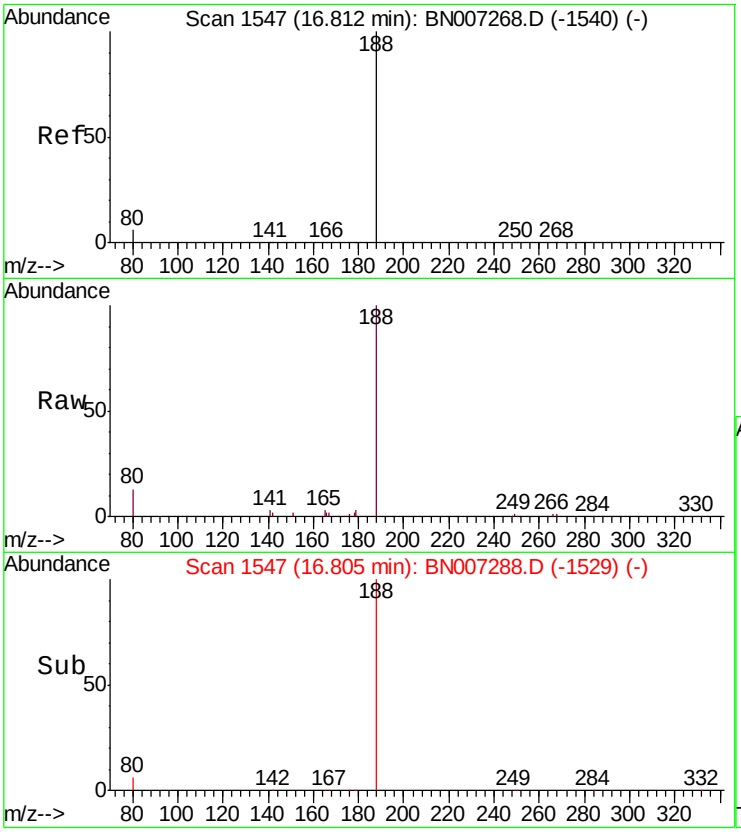


#18
Fluorene
Concen: 0.430 ng
RT: 15.12 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:166 Resp: 18501

Ion	Ratio	Lower	Upper
166	100		
165	93.2	78.3	117.5
167	13.9	11.1	16.7



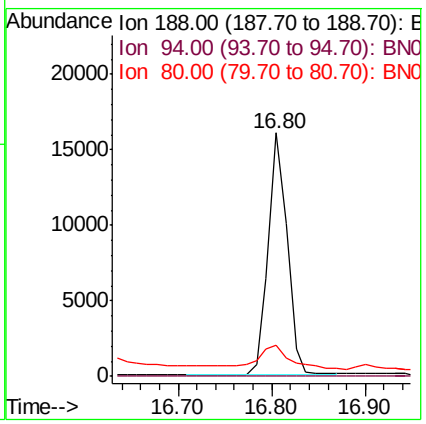


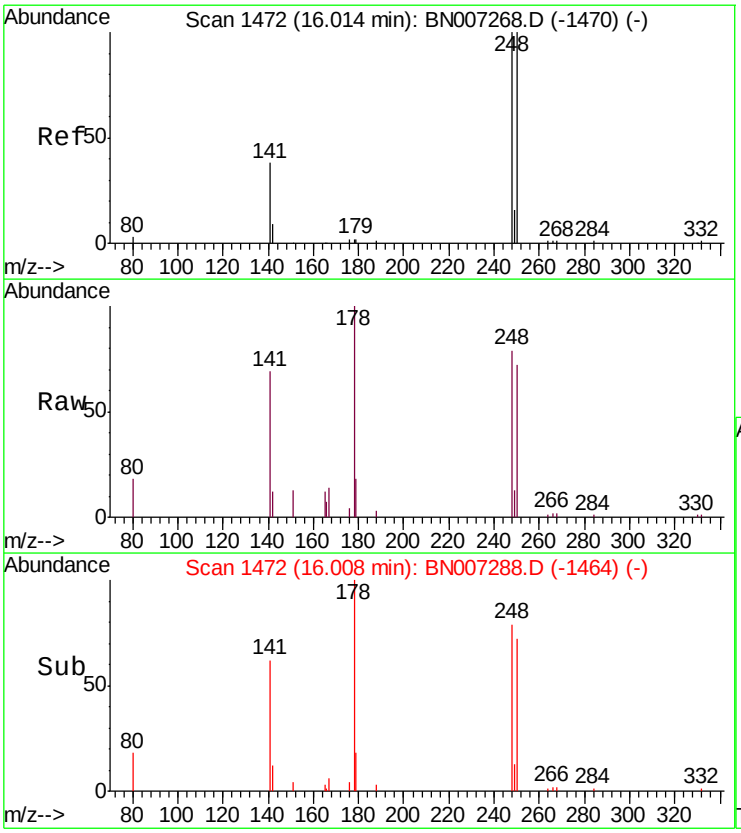
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:188 Resp: 22415

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.0	5.2	7.8#

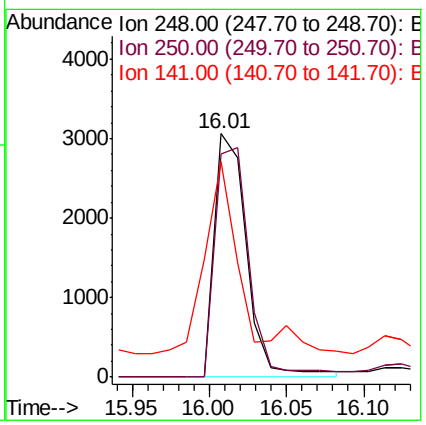


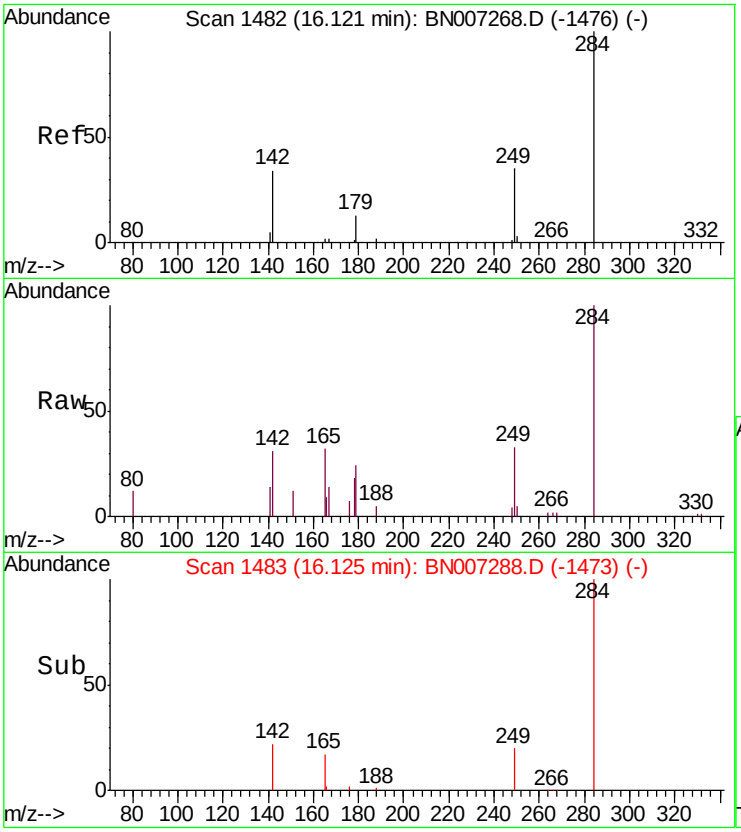


#20
4-Bromophenyl-phenylether
Concen: 0.348 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:248 Resp: 4463

Ion	Ratio	Lower	Upper
248	100		
250	91.9	79.6	119.4
141	88.4	45.1	67.7#



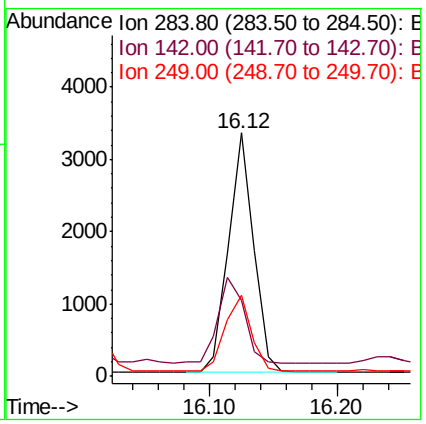


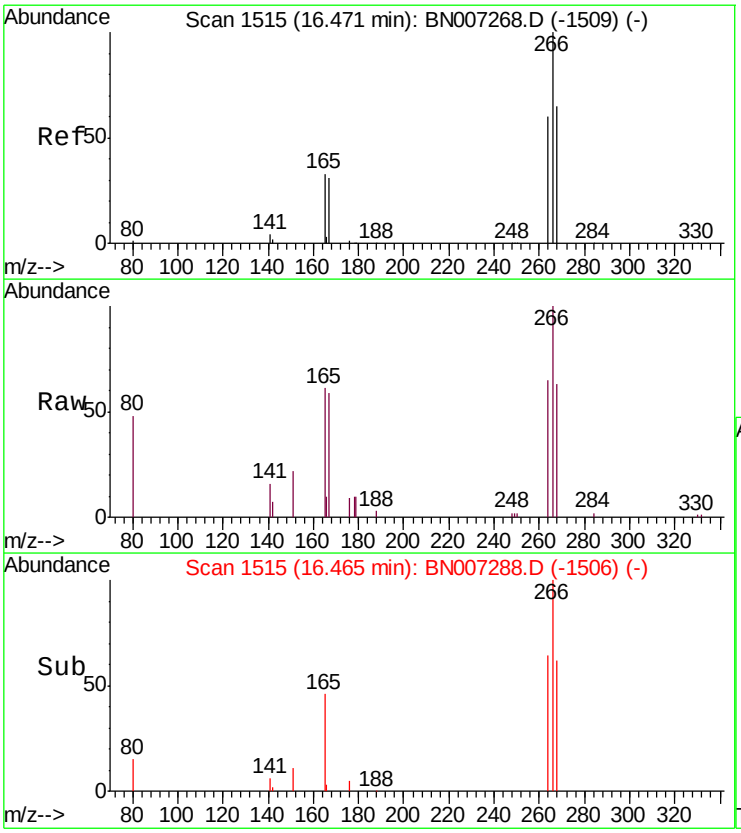
#21
Hexachlorobenzene
Concen: 0.305 ng
RT: 16.12 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:284 Resp: 4532

Ion	Ratio	Lower	Upper
284	100		
142	37.5	29.5	44.3
249	32.9	26.2	39.4

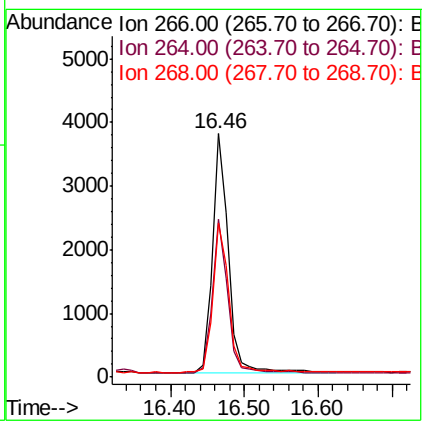


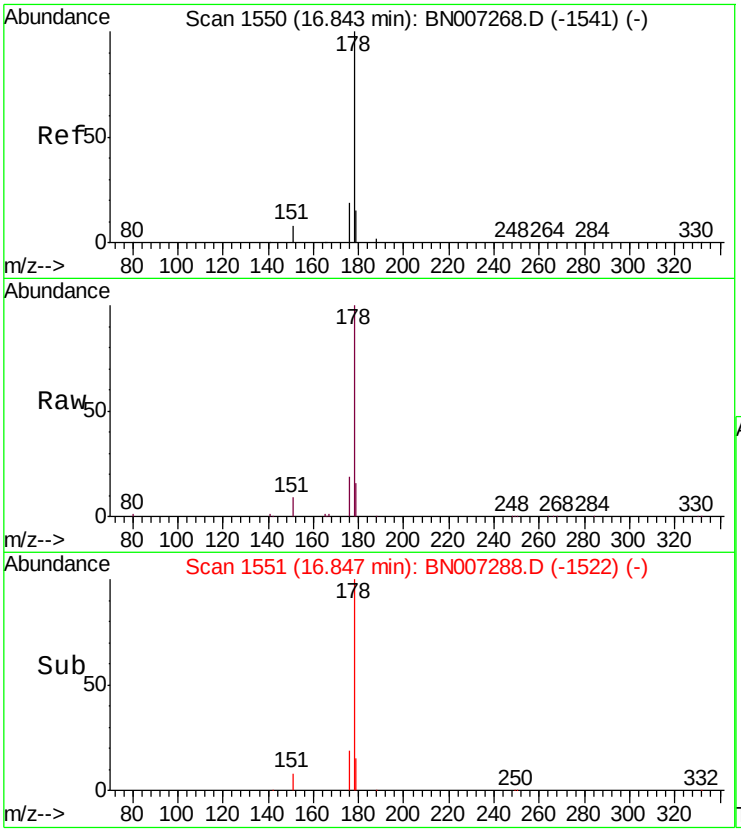


#22
Pentachlorophenol
Concen: 0.962 ng
RT: 16.46 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:266 Resp: 5736

Ion	Ratio	Lower	Upper
266	100		
264	64.7	48.7	73.1
268	63.2	53.5	80.3



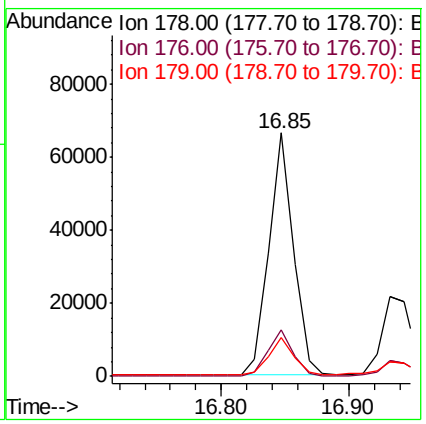


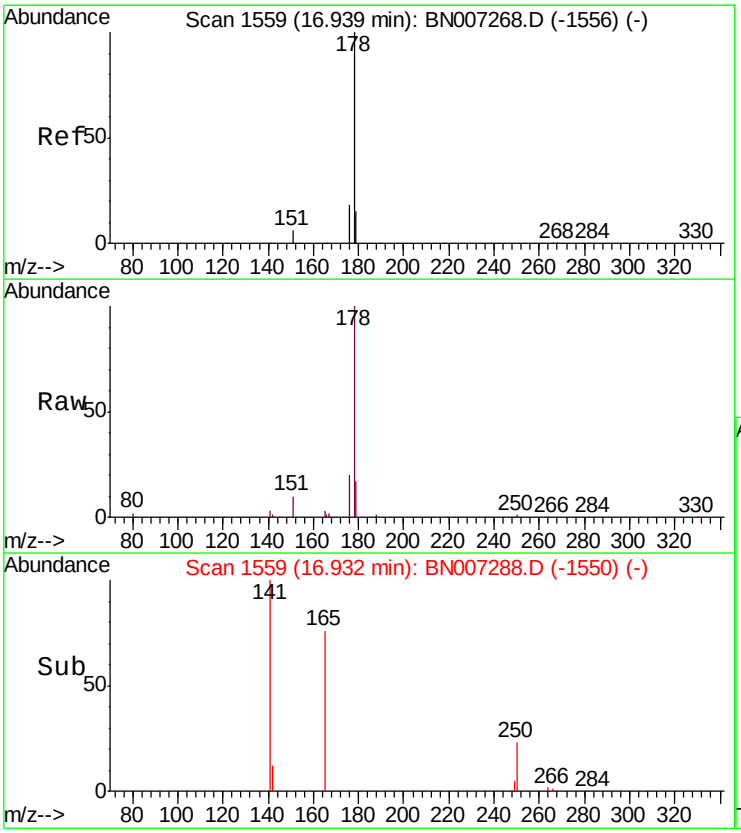
#23
Phenanthrene
Concen: 1.263 ng
RT: 16.85 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:178 Resp: 88746

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.4	12.3	18.5

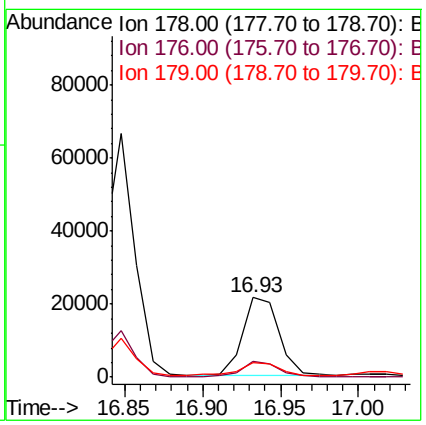


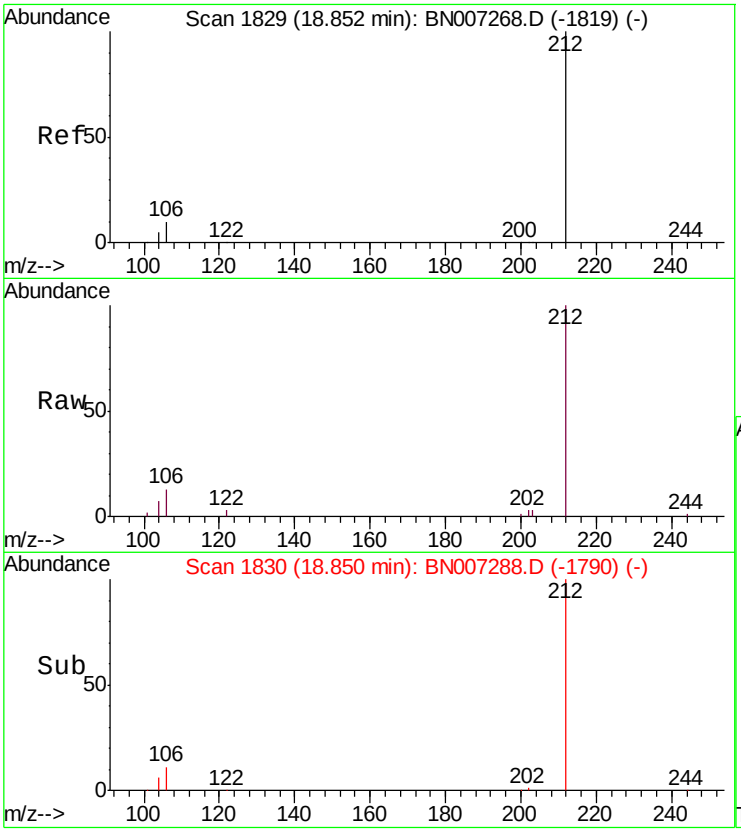


#24
Anthracene
Concen: 0.534 ng
RT: 16.93 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:178 Resp: 33756

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.3	21.5
179	17.3	12.3	18.5



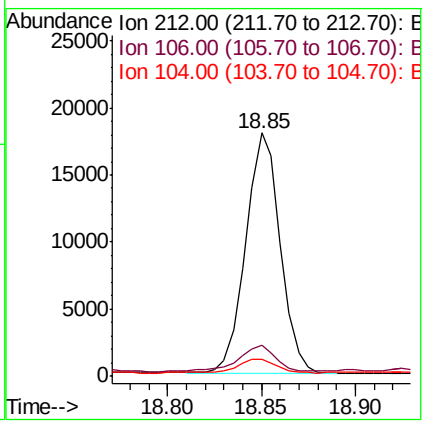


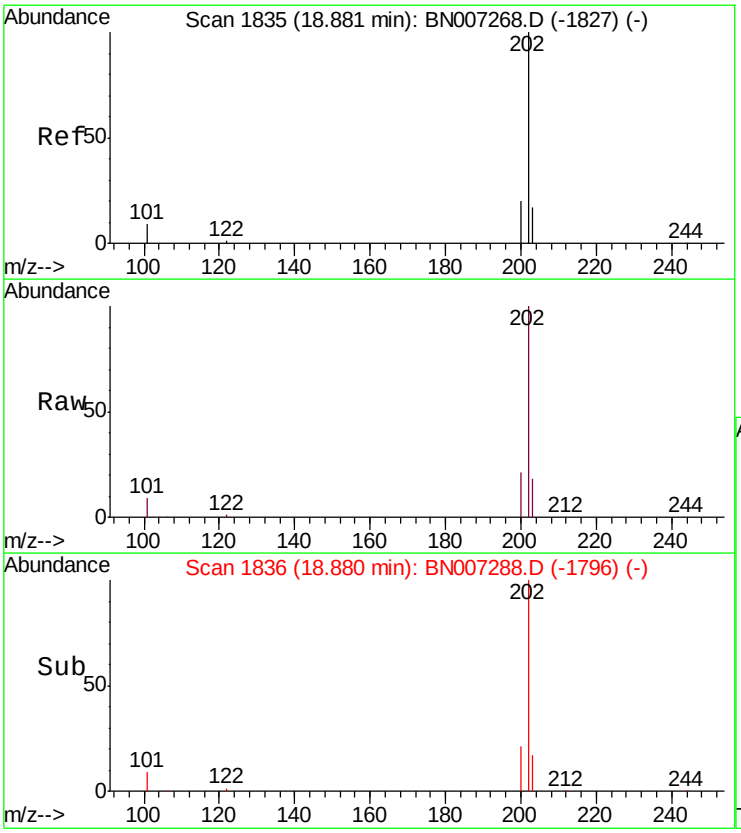
#25
Fluoranthene-d10
Concen: 0.319 ng
RT: 18.85 min Scan# 1830
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:212 Resp: 22688

Ion	Ratio	Lower	Upper
212	100		
106	11.5	8.2	12.4
104	6.6	4.7	7.1

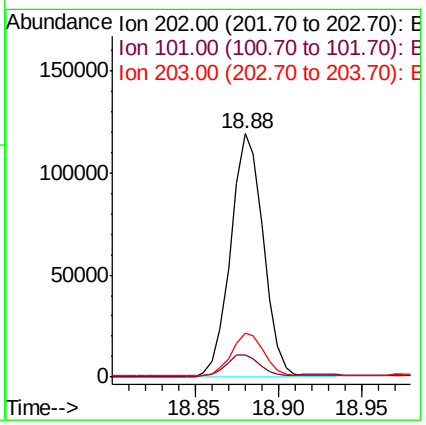


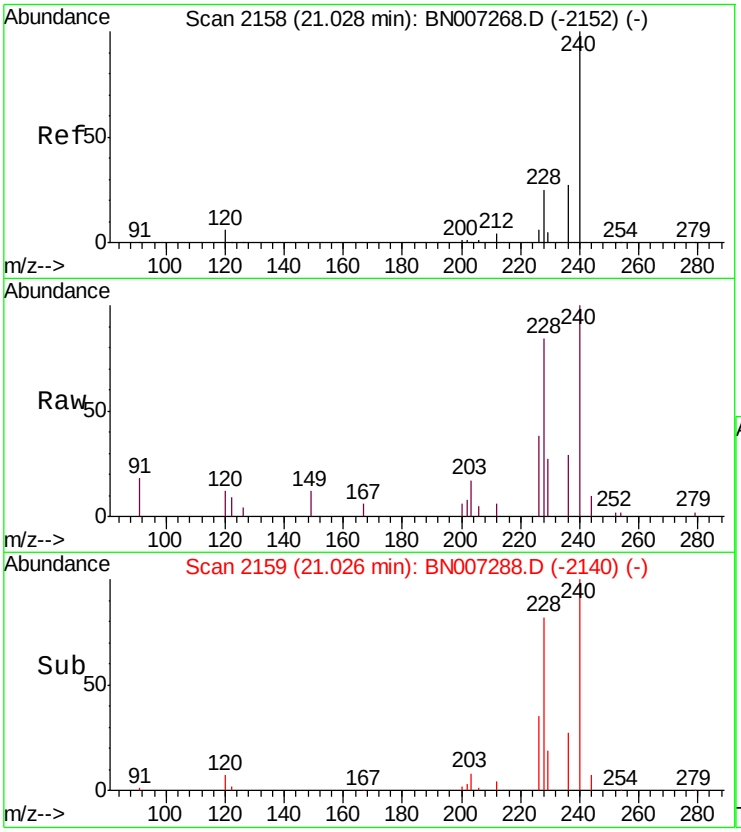


#26
Fluoranthene
Concen: 1.893 ng
RT: 18.88 min Scan# 1836
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:202 Resp: 161069

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.2	10.8
203	17.6	13.8	20.6



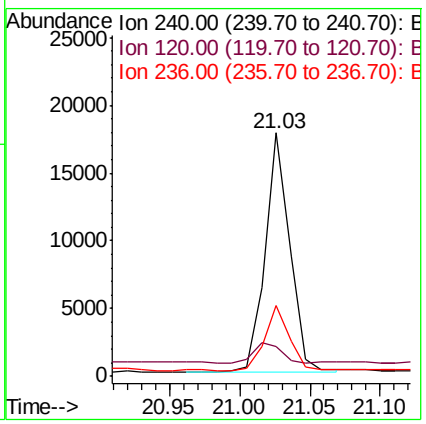


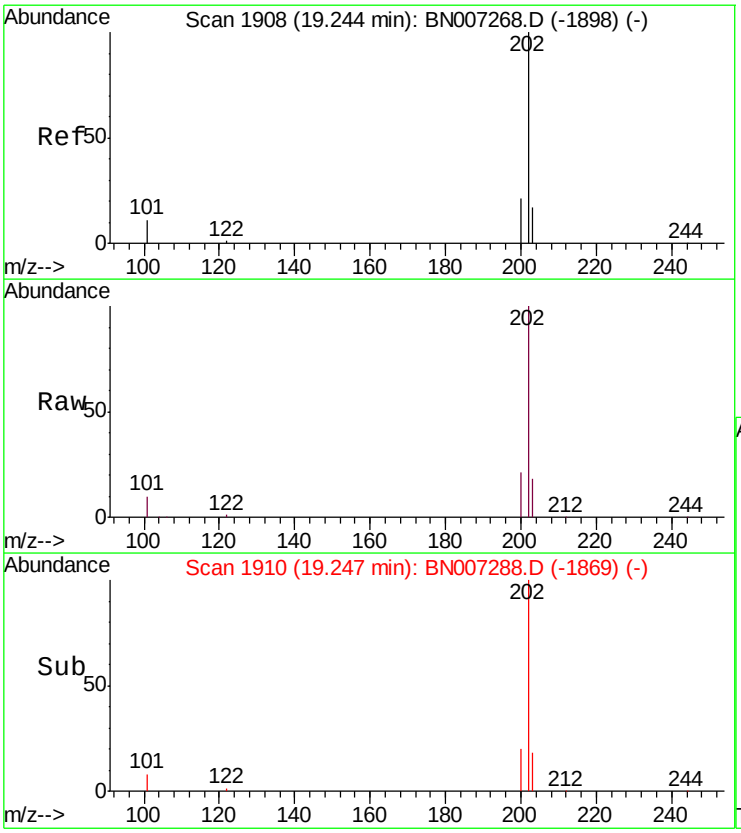
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:240 Resp: 21627

Ion	Ratio	Lower	Upper
240	100		
120	12.2	5.6	8.4#
236	29.1	21.6	32.4

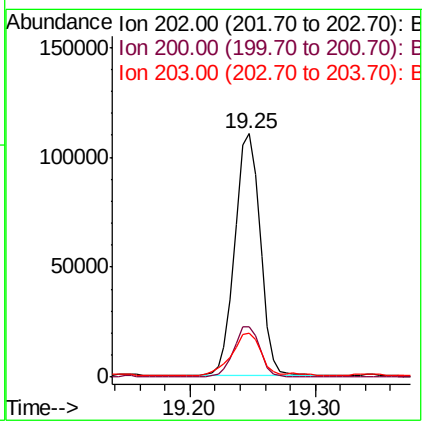


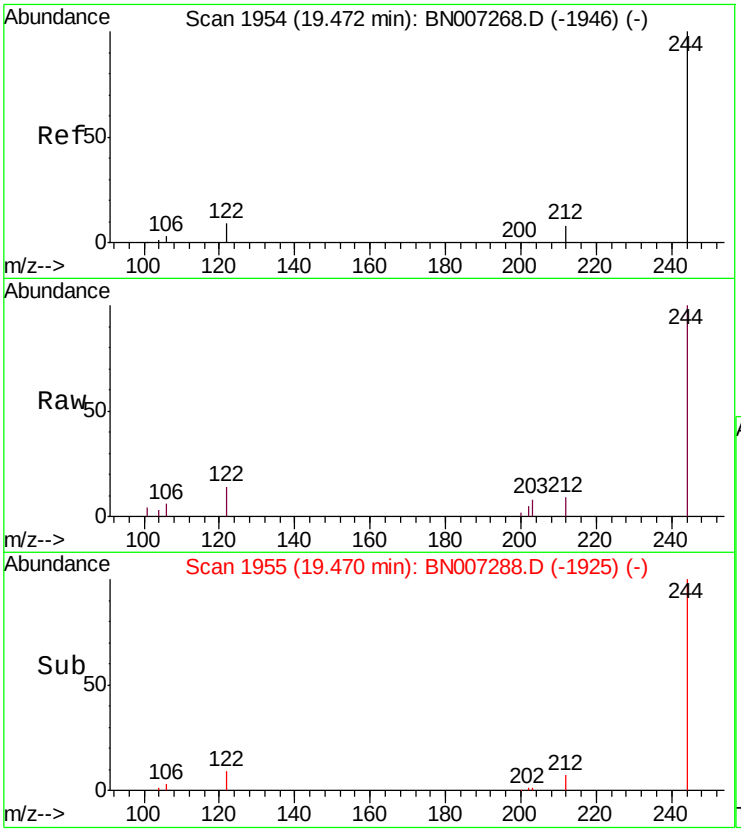


#28
Pyrene
Concen: 1.916 ng
RT: 19.25 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:202 Resp: 154930

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	20.8	13.9	20.9



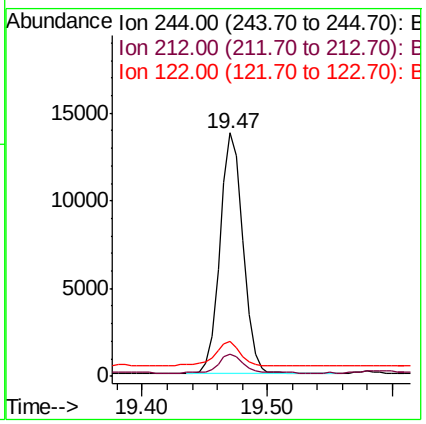


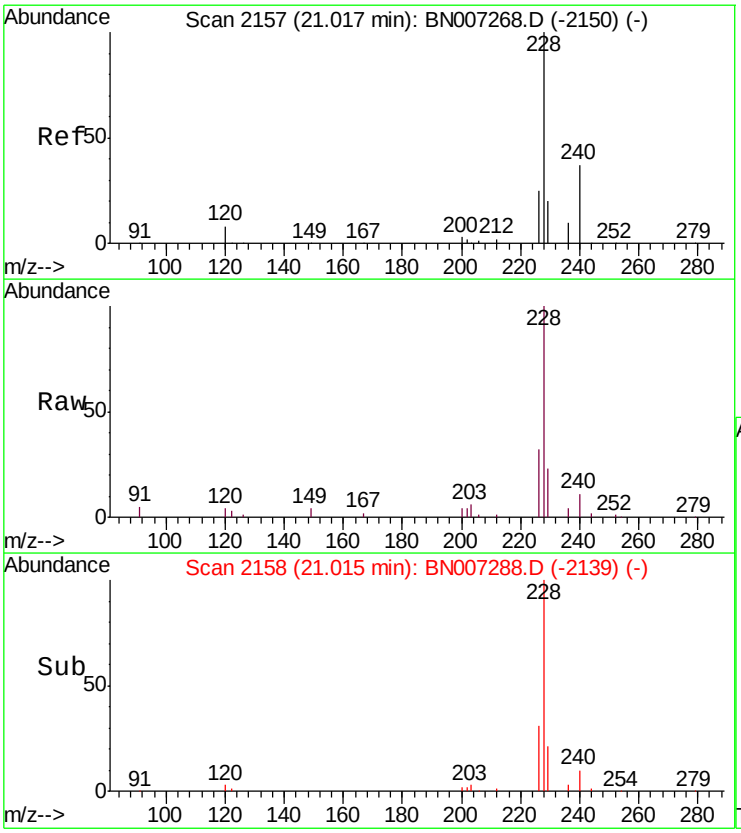
#29
Terphenyl-d14
Concen: 0.322 ng
RT: 19.47 min Scan# 1955
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:244 Resp: 17442

Ion	Ratio	Lower	Upper
244	100		
212	9.0	6.5	9.7
122	14.1	7.9	11.9#

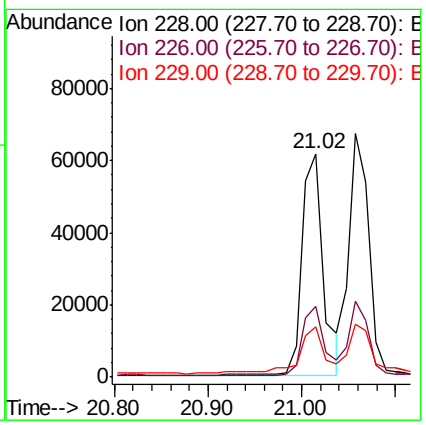


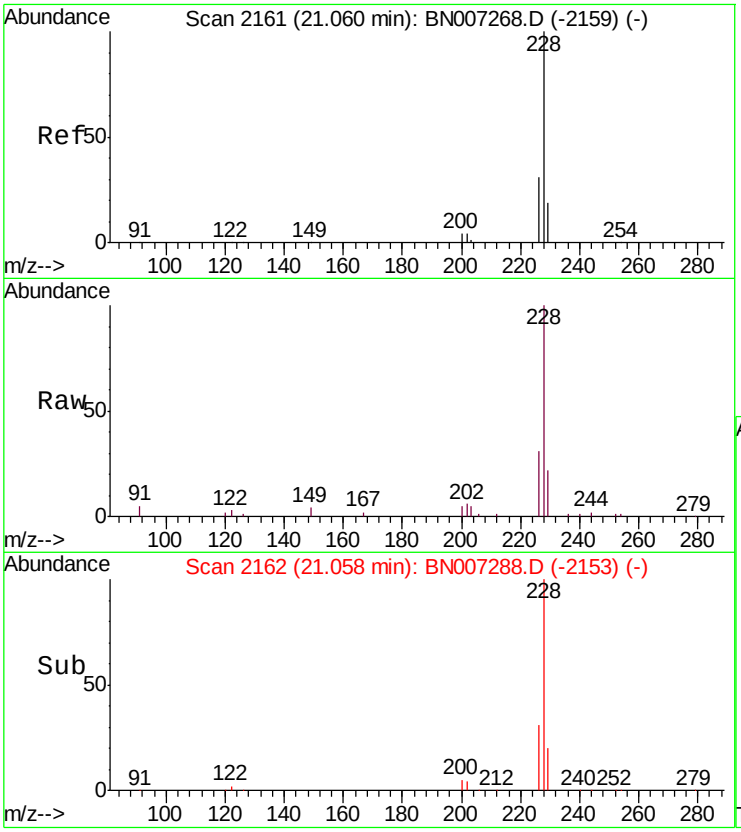


#30
Benzo(a)anthracene
Concen: 1.208 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:228 Resp: 97144

Ion	Ratio	Lower	Upper
228	100		
226	31.6	20.6	30.8#
229	22.6	16.9	25.3



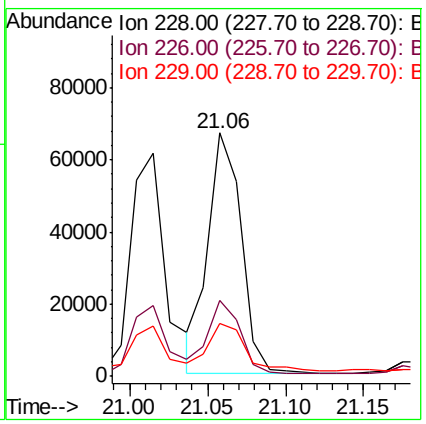


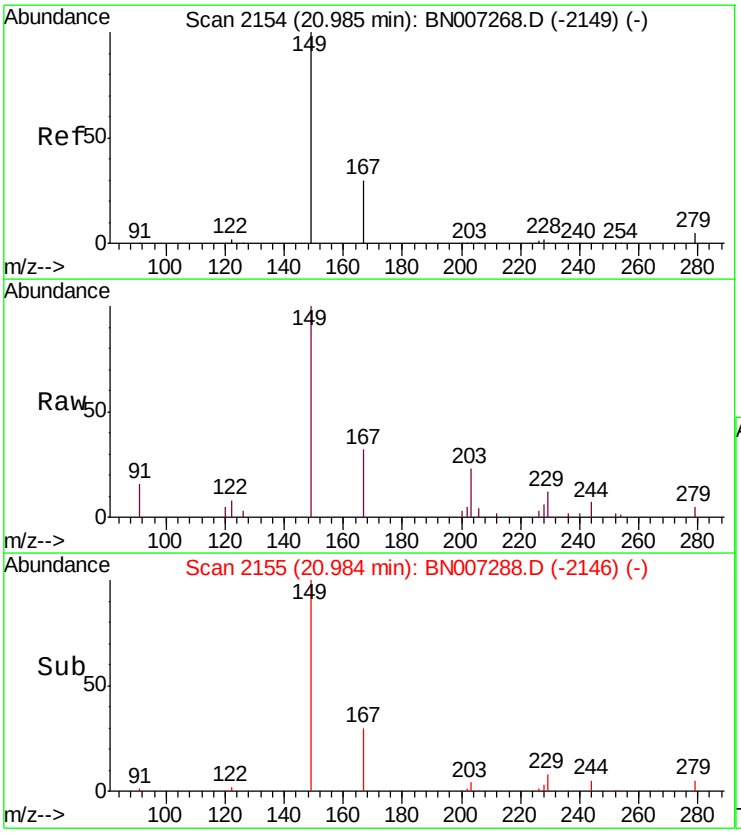
#31
Chrysene
Concen: 1.195 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:228 Resp: 98086

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.6	36.8
229	21.8	15.6	23.4

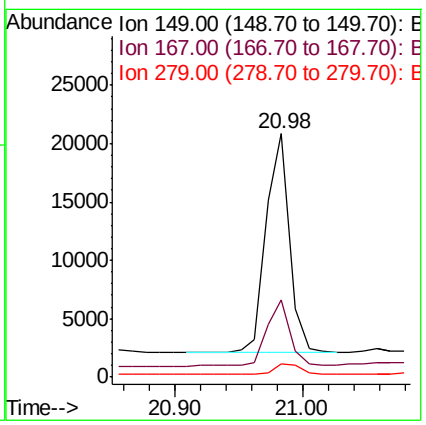


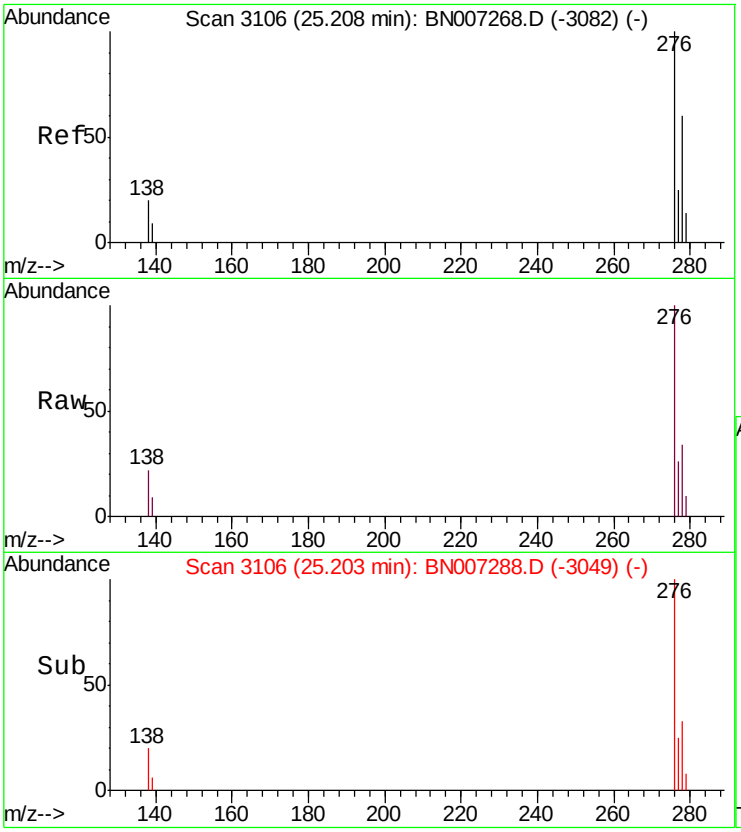


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.746 ng
RT: 20.98 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:149 Resp: 23961

Ion	Ratio	Lower	Upper
149	100		
167	31.0	23.8	35.6
279	5.1	3.8	5.8



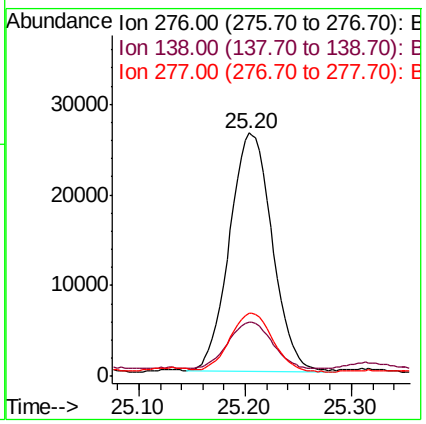


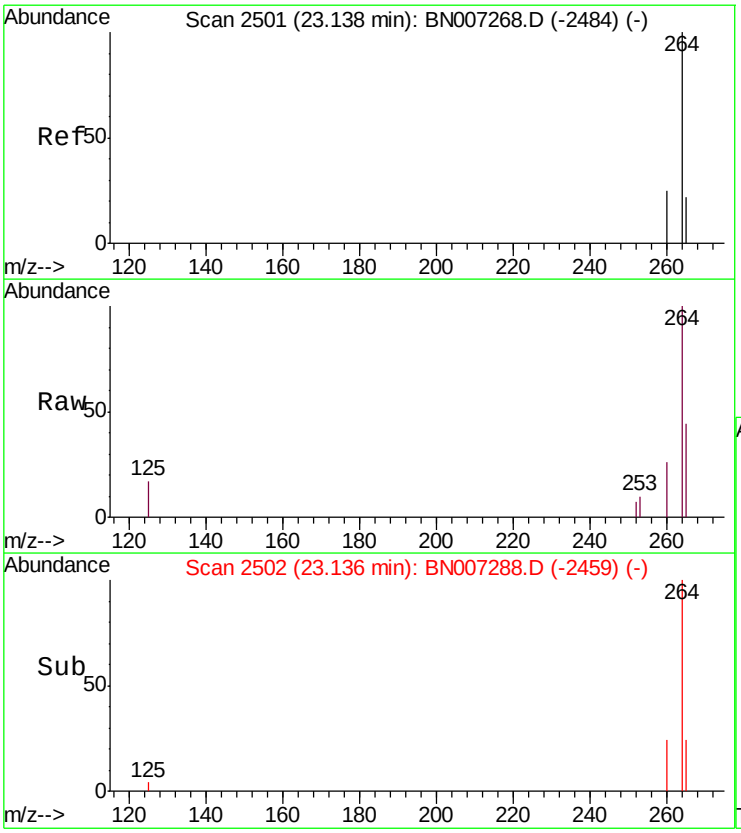
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.740 ng
RT: 25.20 min Scan# 3106
Delta R.T. -0.01 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:276 Resp: 73079

Ion	Ratio	Lower	Upper
276	100		
138	20.4	17.1	25.7
277	25.0	20.1	30.1

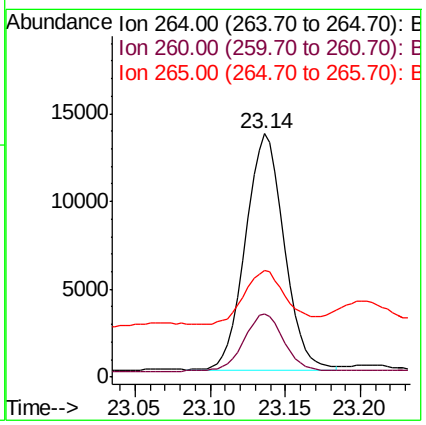


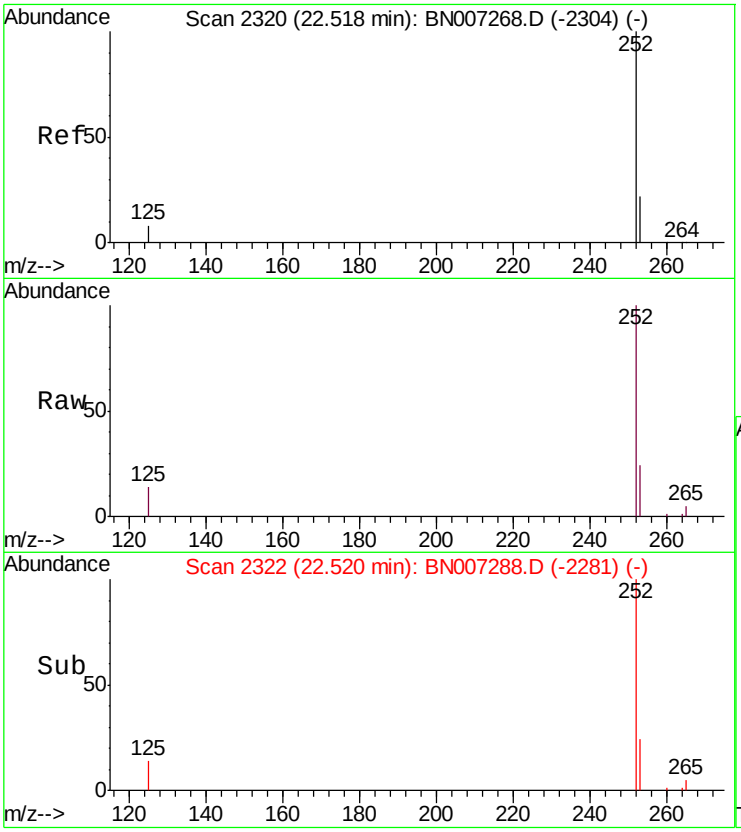


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.14 min Scan# 2502
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:264 Resp: 23579

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.1	30.1
265	44.0	29.0	43.6#



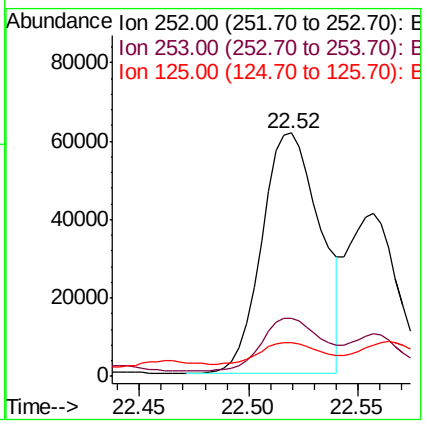


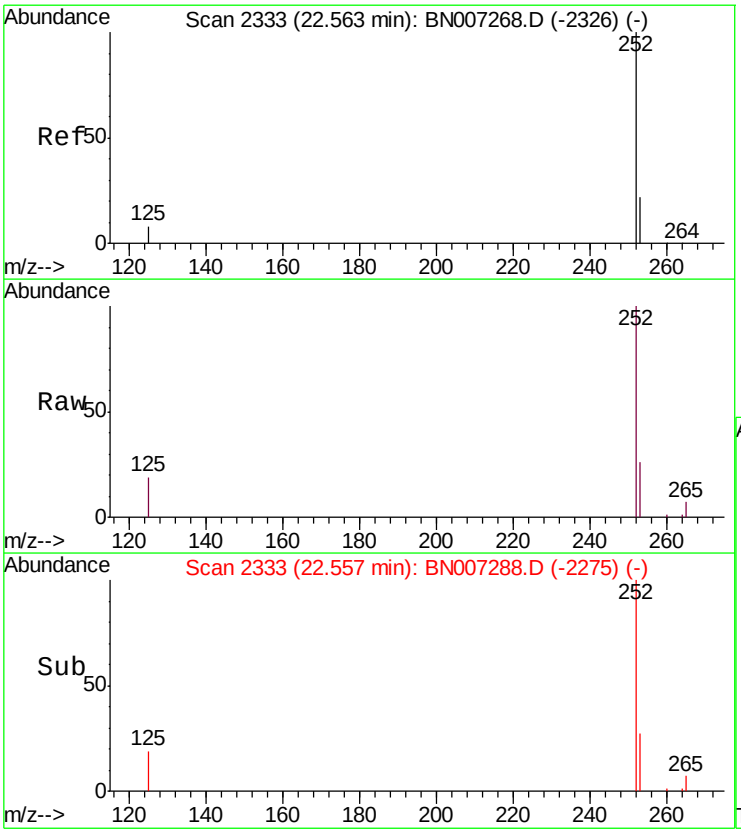
#35
Benzo(b)fluoranthene
Concen: 1.296 ng
RT: 22.52 min Scan# 2322
Delta R.T. 0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:252 Resp: 113912

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.5	27.7
125	14.0	7.8	11.6#

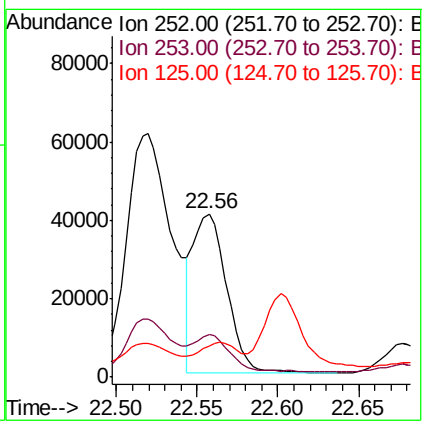


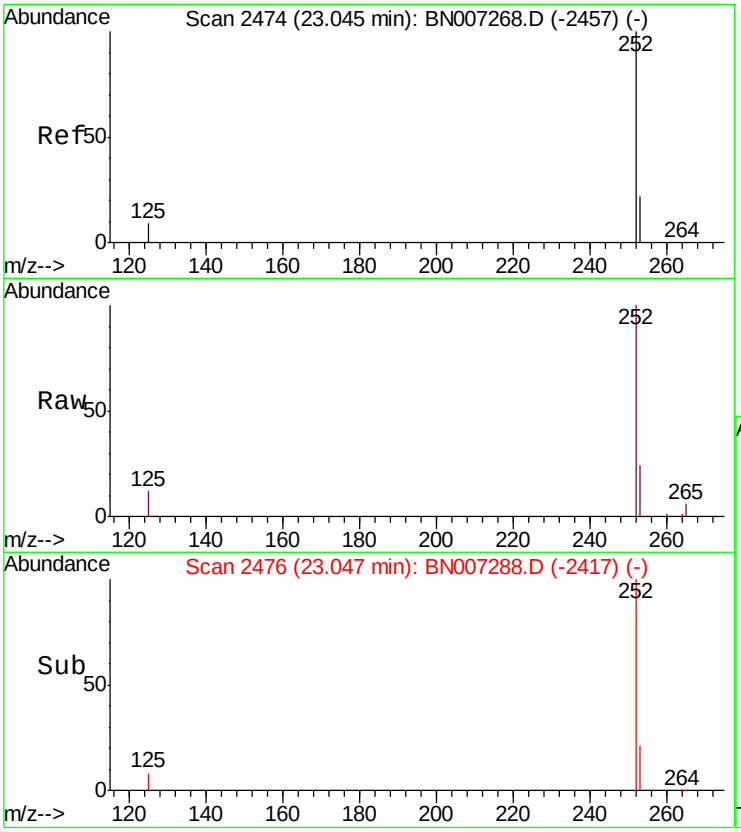


#36
Benzo(k)fluoranthene
Concen: 0.687 ng
RT: 22.56 min Scan# 2333
Delta R.T. -0.01 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:252 Resp: 59151

Ion	Ratio	Lower	Upper
252	100		
253	26.0	18.4	27.6
125	18.8	8.0	12.0#



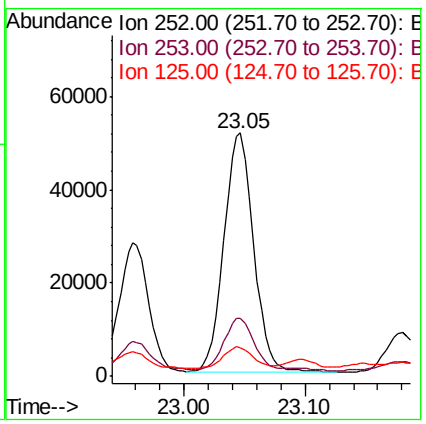


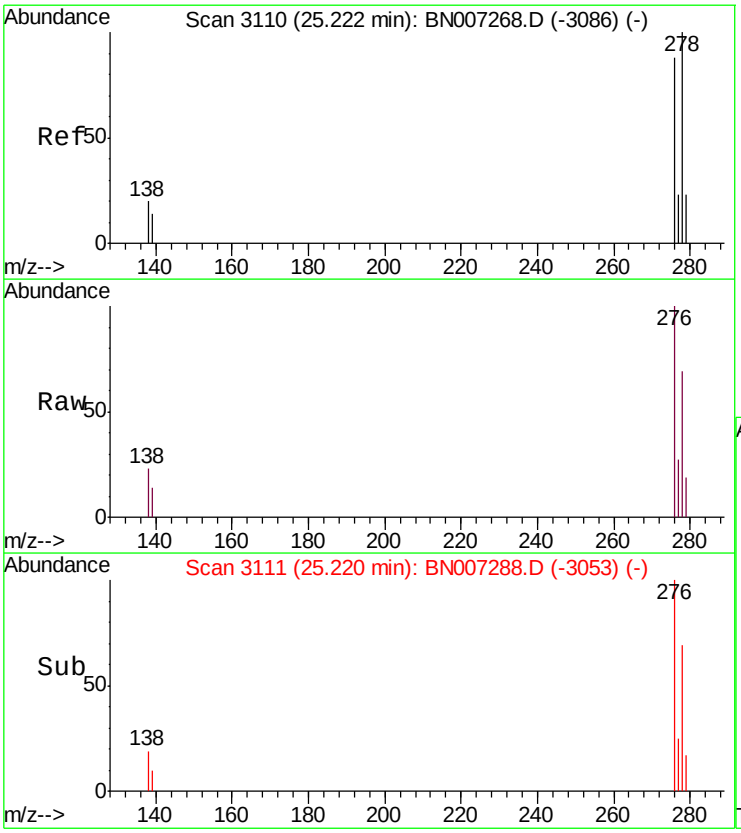
#37
Benzo(a)pyrene
Concen: 1.098 ng
RT: 23.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:252 Resp: 87013

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.7	28.1
125	12.0	8.7	13.1

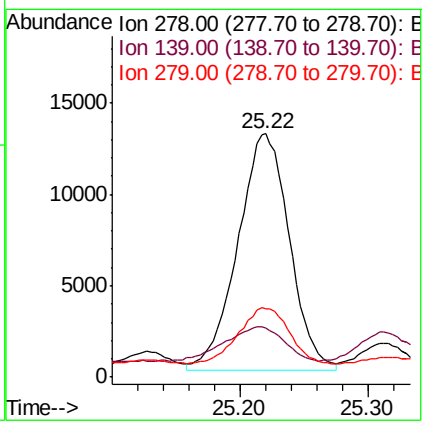


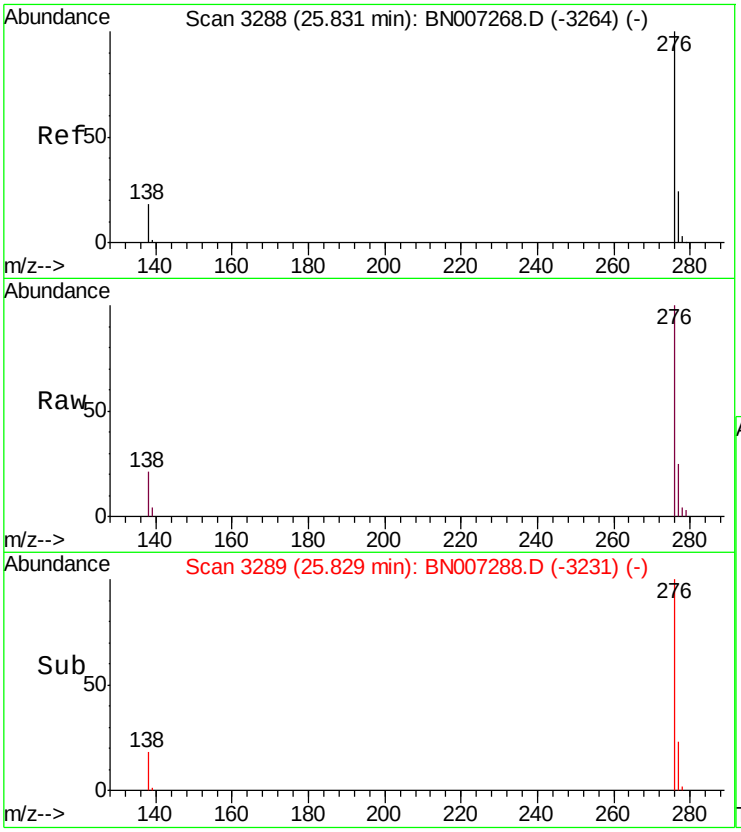


#38
Dibenzo(a,h)anthracene
Concen: 0.434 ng
RT: 25.22 min Scan# 3111
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Tgt Ion:278 Resp: 36090

Ion	Ratio	Lower	Upper
278	100		
139	20.1	11.8	17.8#
279	28.1	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.821 ng
RT: 25.83 min Scan# 3289
Delta R.T. -0.00 min
Lab File: BN007288.D
Acq: 21 Aug 2019 11:27

Instrument :
BNA_N
ClientSampleId :
S300-J-1.5-2.0-081919MSD

Tgt Ion:276 Resp: 69034

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.5	29.3
138	20.8	15.3	22.9