Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
Data File : BN006741.D
Acq On : 06 Jul 2019 06:27
Operator : HP/JU
Sample : K3638-03MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MWHR2-6-070119MSD

Manual Integrations APPROVED
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Quant Time: Jul 08 00:26:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 05:30:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2789	0.40	ng		-0.02
7) Naphthalene-d8	10.36	136	10720	0.40	ng		-0.03
13) Acenaphthene-d10	14.24	164	6088	0.40	ng		-0.02
19) Phenanthrene-d10	17.00	188	13437	0.40	ng		-0.02
27) Chrysene-d12	21.23	240	14190	0.40	ng		-0.03
34) Perylene-d12	23.46	264	16256	0.40	ng		-0.05
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	1340	0.18	ng		0.00
5) Phenol-d6	6.81	99	1230	0.13	ng		-0.02
8) Nitrobenzene-d5	8.77	82	3163	0.38	ng		-0.03
11) 2-Methylnaphthalene-d10	11.98	152	7142	0.44	ng		-0.02
14) 2,4,6-Tribromophenol	15.77	330	955	0.32	ng		-0.02
15) 2-Fluorobiphenyl	12.86	172	10143	0.43	ng		-0.02
25) Fluoranthene-d10	19.05	212	17404	0.45	ng		-0.02
29) Terphenyl-d14	19.66	244	14547	0.45	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.12	88	800	0.184	ng	#	58
3) n-Nitrosodimethylamine	3.46	42	547	0.166	ng	#	93
6) bis(2-Chloroethyl)ether	7.03	93	3280	0.405	ng	#	89
9) Naphthalene	10.42	128	11469	0.391	ng		99
10) Hexachlorobutadiene	10.69	225	2120	0.357	ng	#	100
12) 2-Methylnaphthalene	12.05	142	7624	0.366	ng		99
16) Acenaphthylene	13.96	152	11624	0.383	ng		100
17) Acenaphthene	14.30	154	7554	0.390	ng		97
18) Fluorene	15.30	166	9559	0.398	ng		100
20) 4-Bromophenyl-phenylether	16.20	248	3541	0.447	ng		98
21) Hexachlorobenzene	16.31	284	3722	0.395	ng		99
22) Pentachlorophenol	16.72	266	270	0.324	ng		97
23) Phenanthrene	17.05	178	15792	0.408	ng		100
24) Anthracene	17.14	178	14284	0.408	ng		99
26) Fluoranthene	19.08	202	20232	0.445	ng	#	96
28) Pyrene	19.45	202	21067	0.371	ng		100
30) Benzo(a)anthracene	21.22	228	19930	0.407	ng		99
31) Chrysene	21.27	228	19299	0.383	ng		99
32) Bis(2-ethylhexyl)phthalate	21.13	149	12049	0.083	ng	#	100
33) Indeno(1,2,3-cd)pyrene	25.68	276	24616	0.408	ng		98
35) Benzo(b)fluoranthene	22.79	252	19959	0.383	ng		99
36) Benzo(k)fluoranthene	22.84	252	23524m	0.416	ng		
37) Benzo(a)pyrene	23.36	252	20445	0.404	ng		96
38) Dibenzo(a,h)anthracene	25.68	278	20027	0.399	ng		97
39) Benzo(g,h,i)perylene	26.36	276	21225	0.411	ng		97

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

Quantitation Report (QT Reviewed)

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Sample : K3638-03MSD
Misc :
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jul 08 00:26:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 05 05:30:28 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MWHR2-6-070119MSD

Manual Integrations APPROVED
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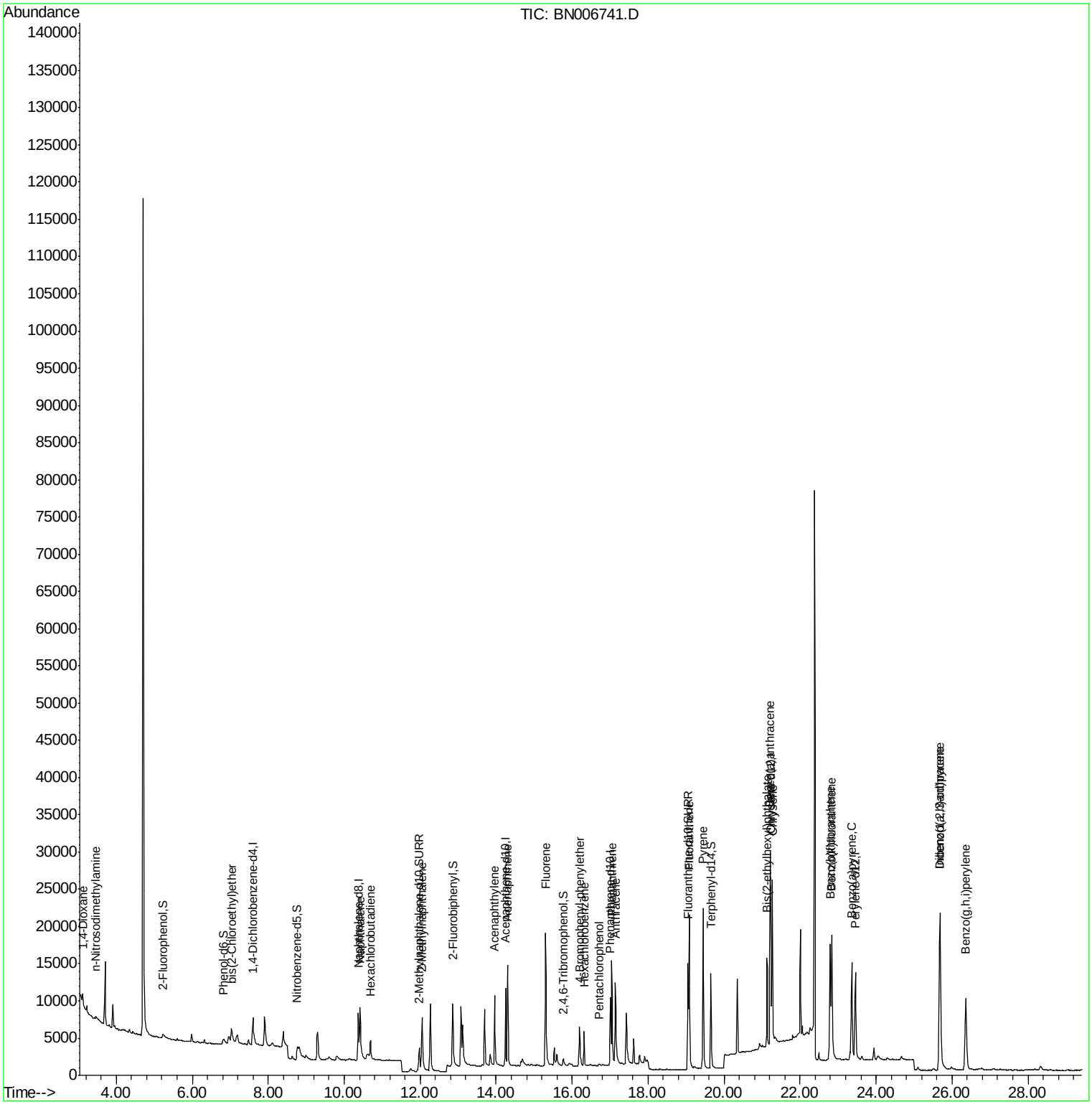
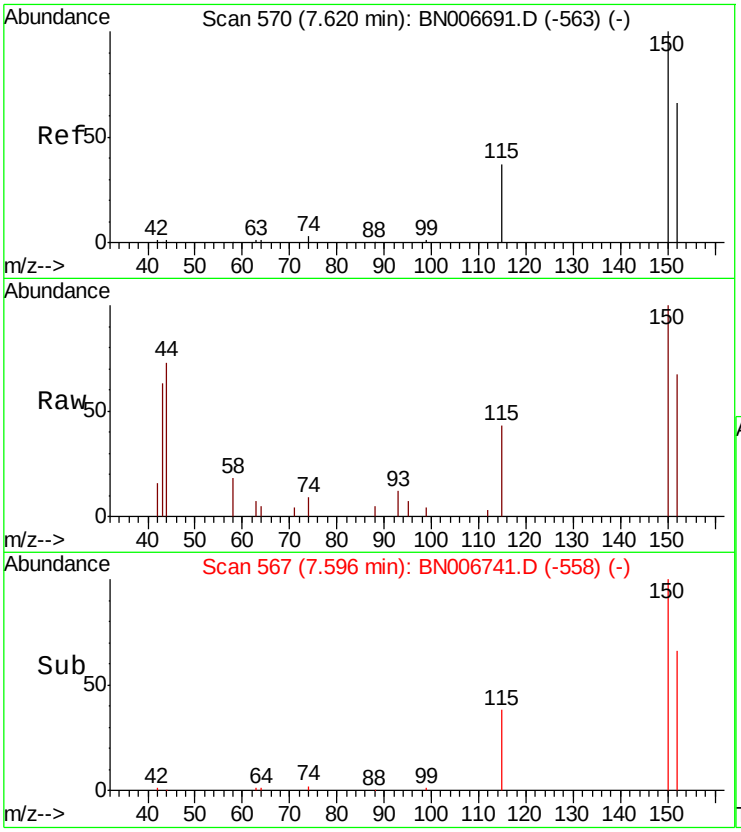
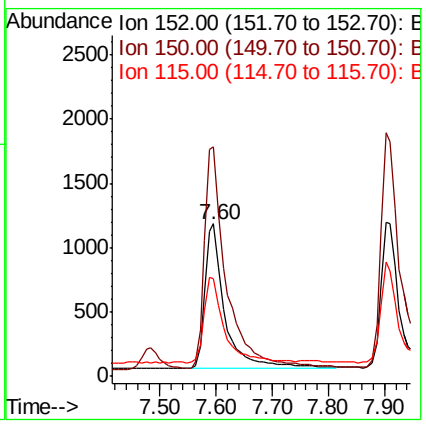




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 567
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:152 Resp: 2789

Ion	Ratio	Lower	Upper
152	100		
150	150.1	120.6	181.0
115	64.2	51.0	76.6



Instrument :
BNA_N
ClientSampleId :
MWHR2-6-070119MSD

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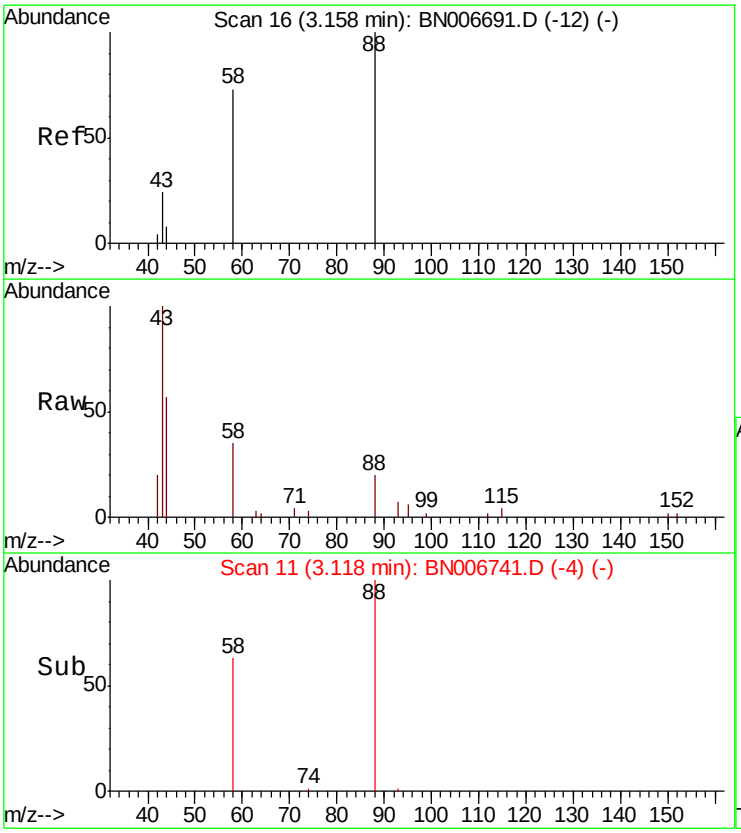
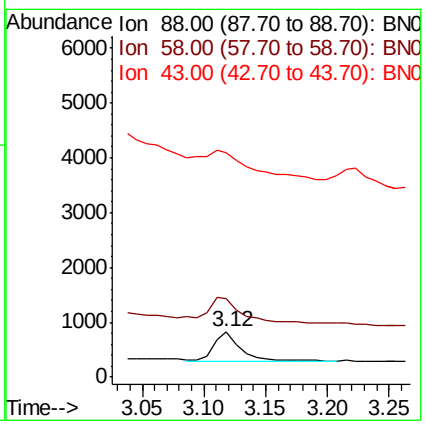
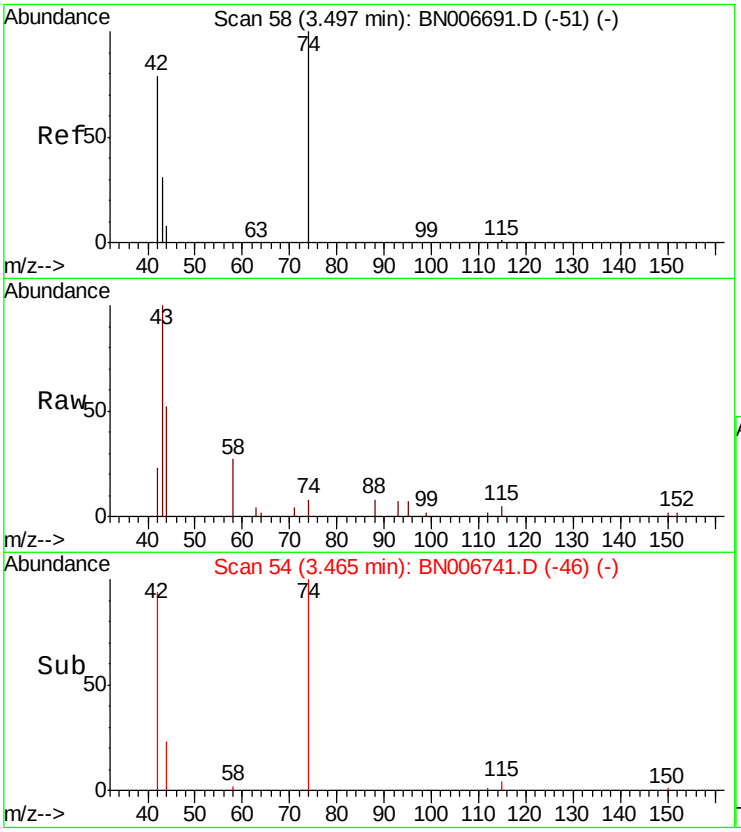


#2
1,4-Dioxane
Concen: 0.184 ng
RT: 3.12 min Scan# 11
Delta R.T. -0.04 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion: 88 Resp: 800

Ion	Ratio	Lower	Upper
88	100		
58	102.3	61.1	91.7#
43	0.0	32.4	48.6#

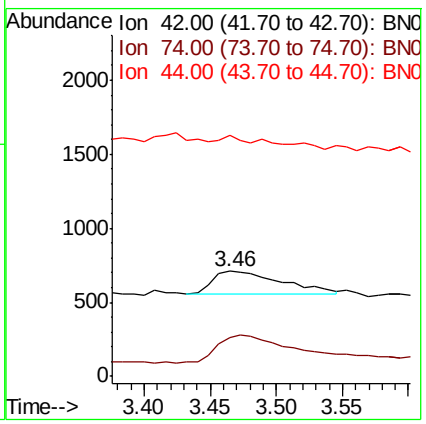




#3
n-Nitrosodimethylamine
Concen: 0.166 ng
RT: 3.46 min Scan# 54
Delta R.T. -0.03 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion: 42 Resp: 547

Ion	Ratio	Lower	Upper
42	100		
74	132.7	106.6	160.0
44	44.6	8.0	12.0#



Instrument :
BNA_N
ClientSampleId :
MWHR2-6-070119MSD

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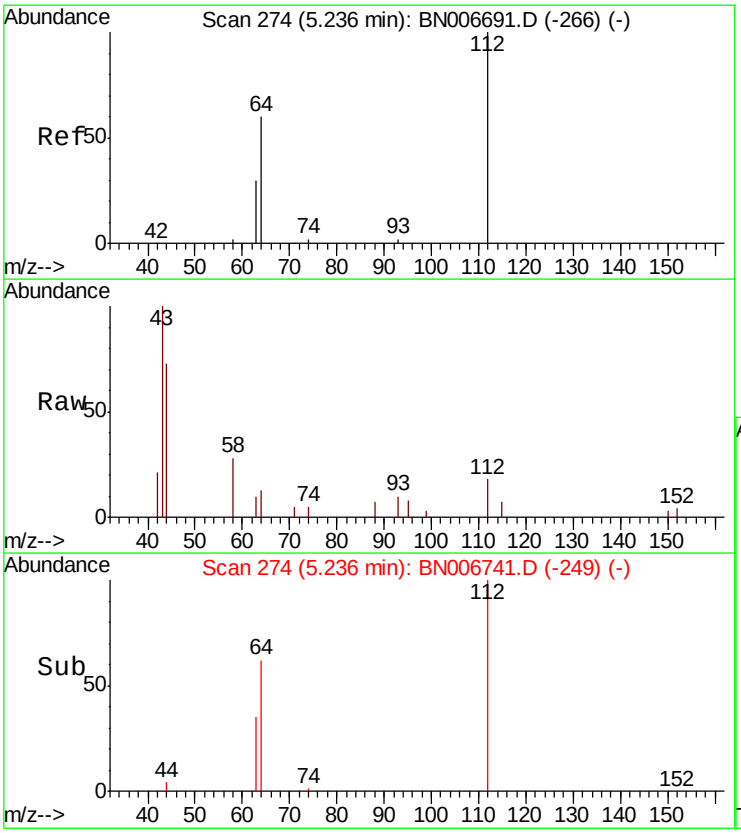
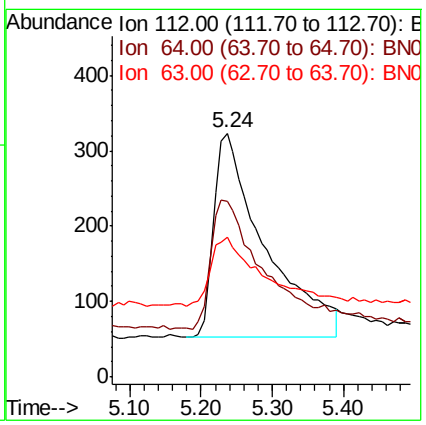
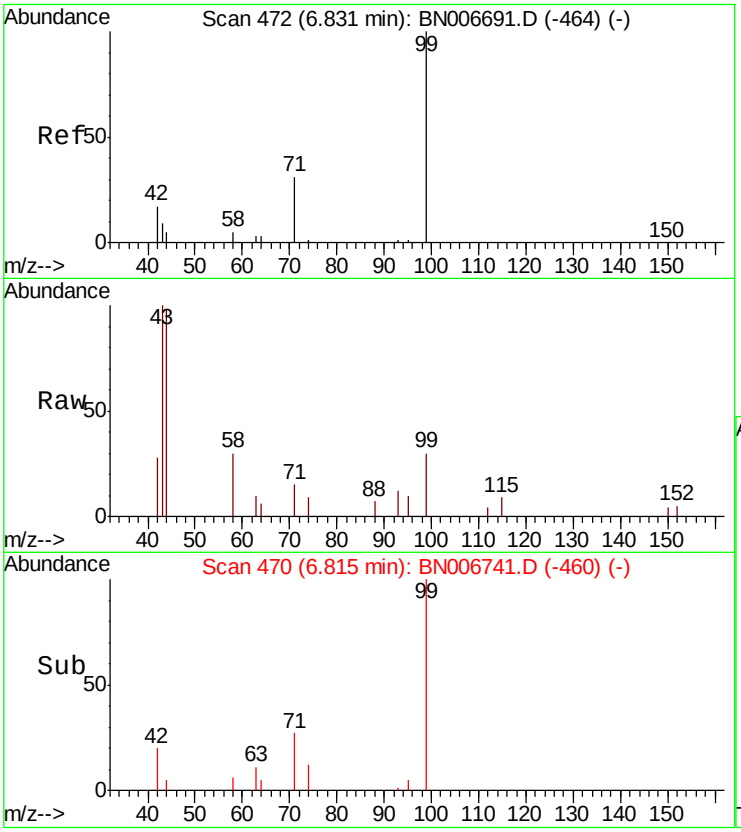


#4
2-Fluorophenol
Concen: 0.177 ng
RT: 5.24 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:112 Resp: 1340

Ion	Ratio	Lower	Upper
112	100		
64	65.4	49.8	74.6
63	35.8	25.8	38.6





#5
Phenol-d6
Concen: 0.128 ng
RT: 6.81 min Scan# 470
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion: 99 Resp: 1230

Ion	Ratio	Lower	Upper
99	100		
42	26.8	16.6	25.0#
71	33.3	26.0	39.0

Instrument :
BNA_N
ClientSampleId :
MWHR2-6-070119MSD

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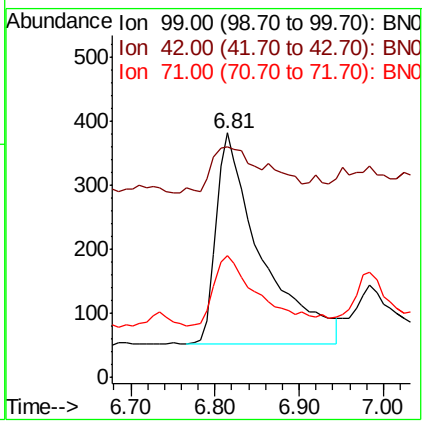
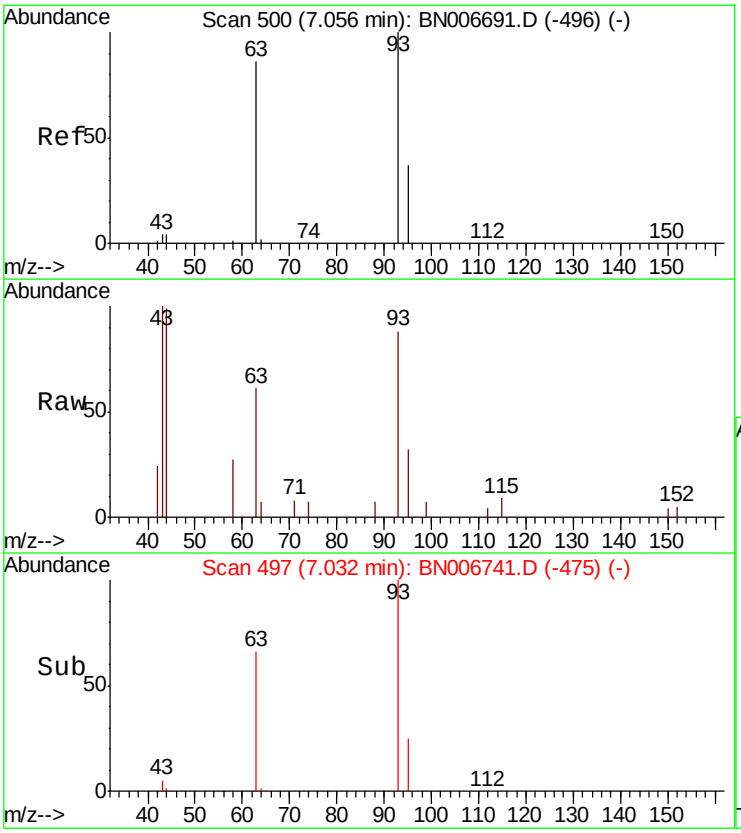
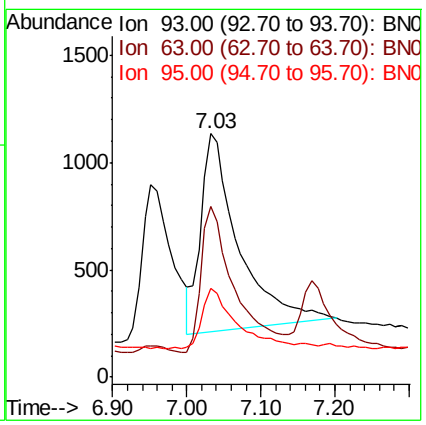


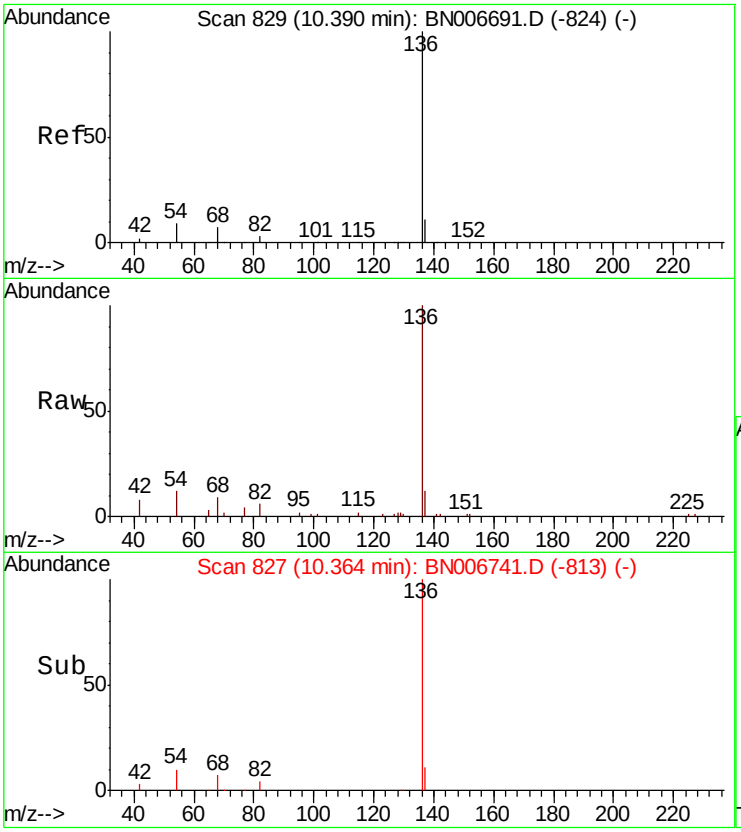


#6
bis(2-Chloroethyl)ether
Concen: 0.405 ng
RT: 7.03 min Scan# 497
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion: 93 Resp: 3280

Ion	Ratio	Lower	Upper
93	100		
63	65.8	58.6	87.8
95	27.0	28.3	42.5#

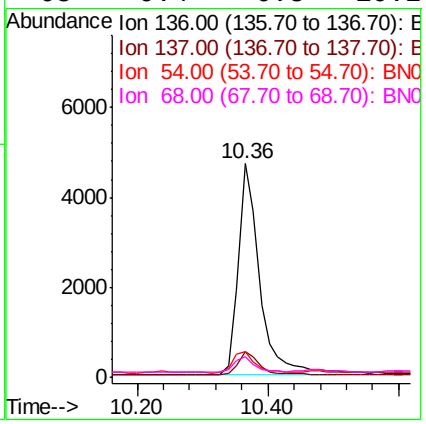




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.36 min Scan# 827
Delta R.T. -0.03 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:136 Resp: 10720

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.3	13.9
54	12.3	8.4	12.6
68	9.4	6.8	10.2



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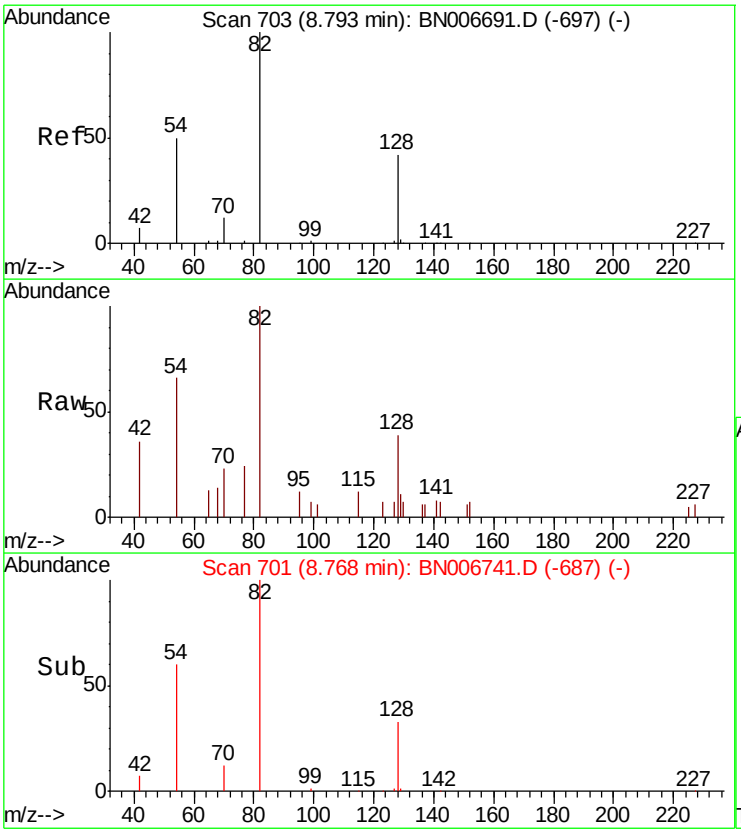
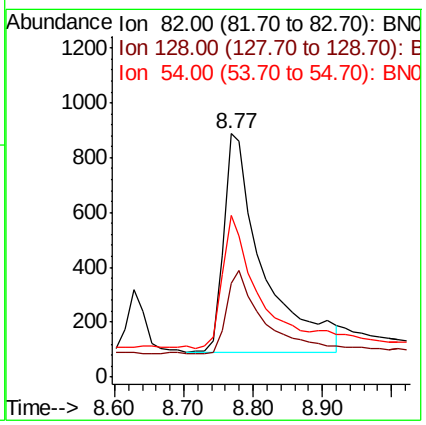
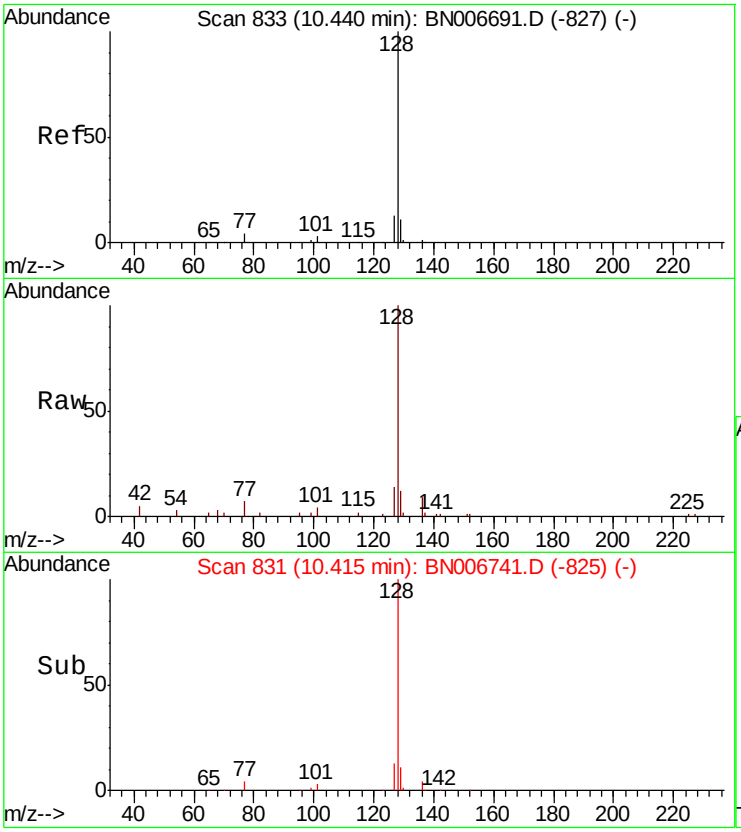


#8
Nitrobenzene-d5
Concen: 0.385 ng
RT: 8.77 min Scan# 701
Delta R.T. -0.03 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion: 82 Resp: 3163

Ion	Ratio	Lower	Upper
82	100		
128	38.7	36.1	54.1
54	66.4	44.5	66.7

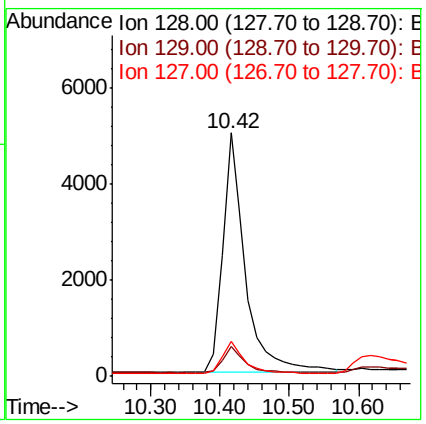




#9
Naphthalene
Concen: 0.391 ng
RT: 10.42 min Scan# 831
Delta R.T. -0.03 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:128 Resp: 11469

Ion	Ratio	Lower	Upper
128	100		
129	12.3	9.6	14.4
127	14.3	11.0	16.4



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ClientSampleId :
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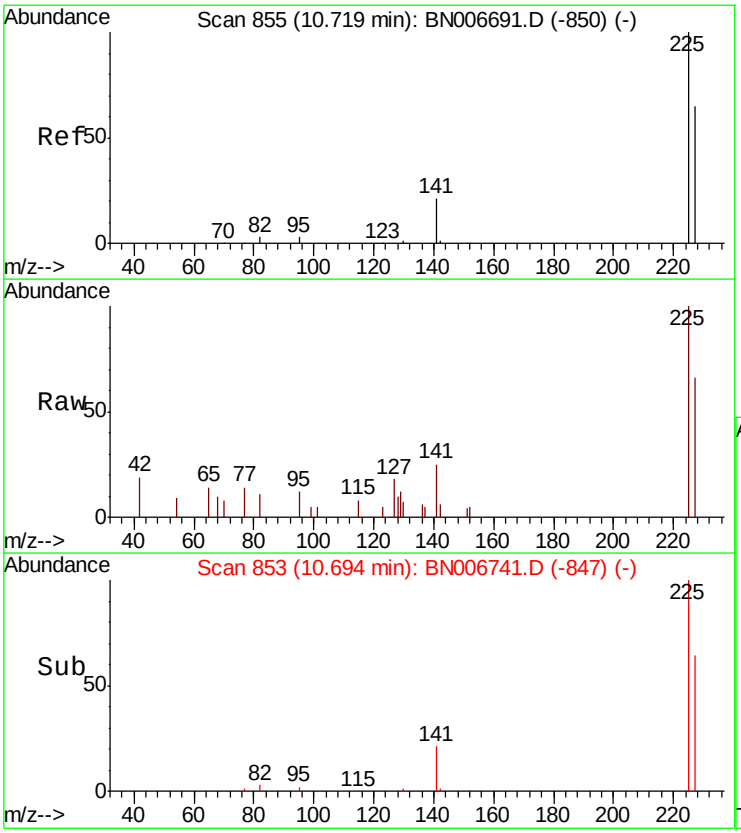
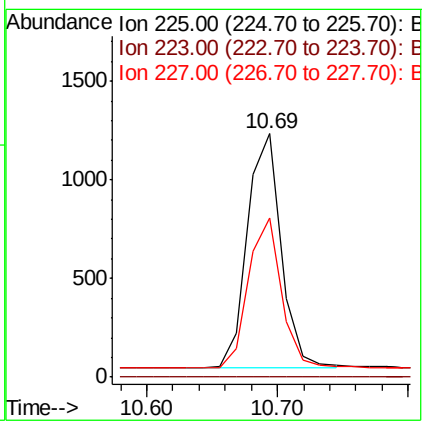
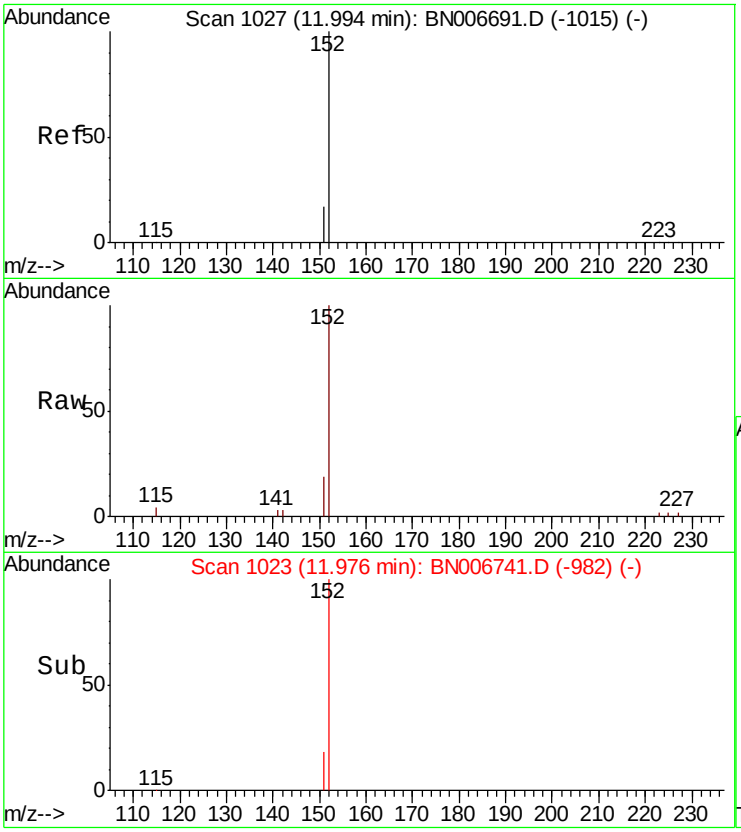


#10
Hexachlorobutadiene
Concen: 0.357 ng
RT: 10.69 min Scan# 853
Delta R.T. -0.03 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:225 Resp: 2120

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.3	50.9	76.3





#11
2-Methylnaphthalene-d10
Concen: 0.443 ng
RT: 11.98 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:152 Resp: 7142

Ion	Ratio	Lower	Upper
152	100		
151	16.6	14.9	22.3

Instrument :
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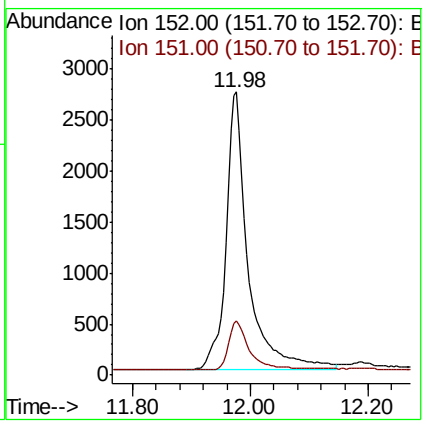
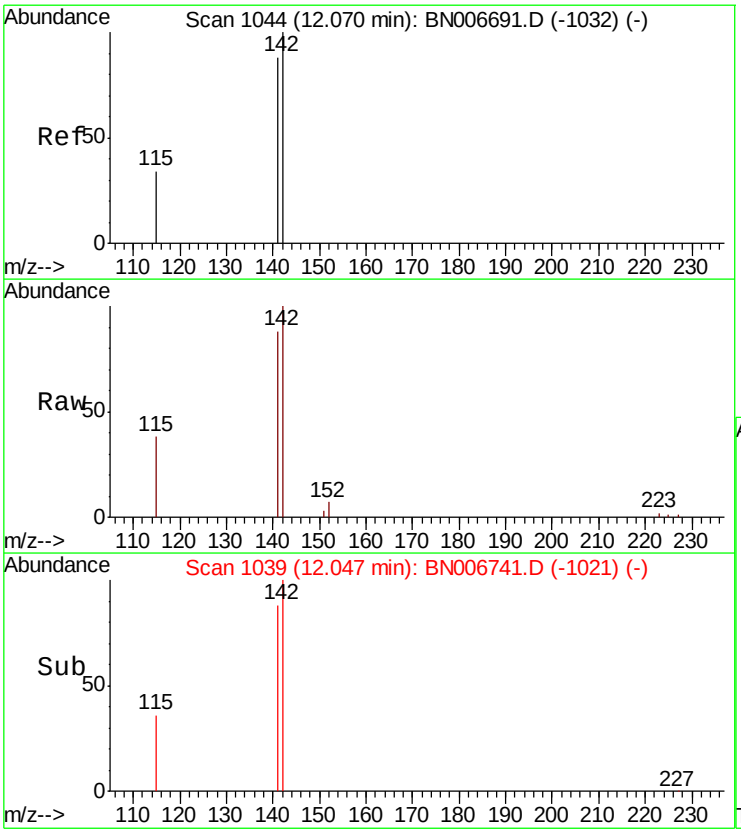
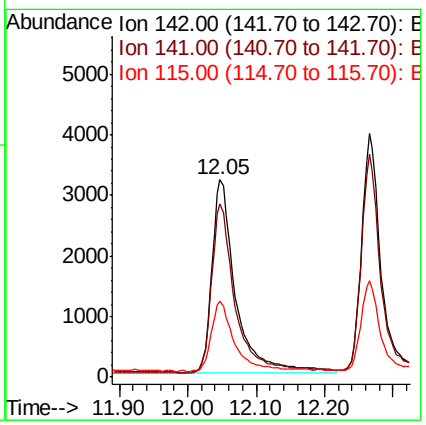


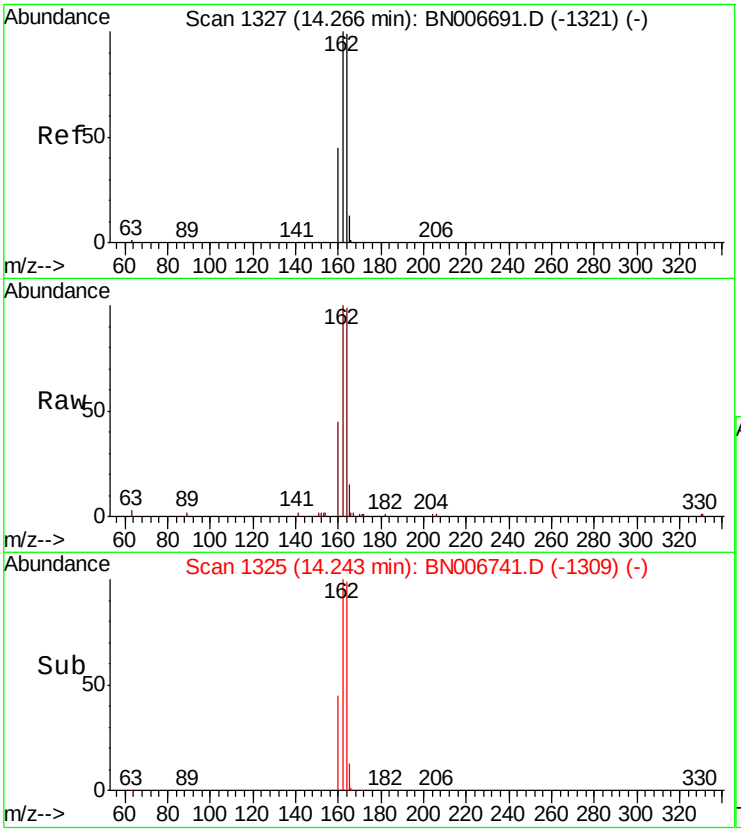


#12
2-Methylnaphthalene
Concen: 0.366 ng
RT: 12.05 min Scan# 1039
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:142 Resp: 7624

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.3	105.5
115	38.4	28.9	43.3

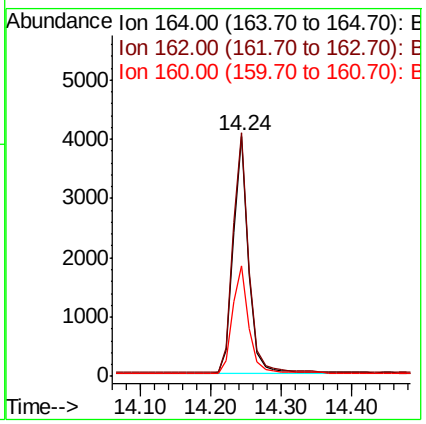




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:164 Resp: 6088

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.8	121.2
160	46.1	37.0	55.6



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Manual Integrations APPROVED
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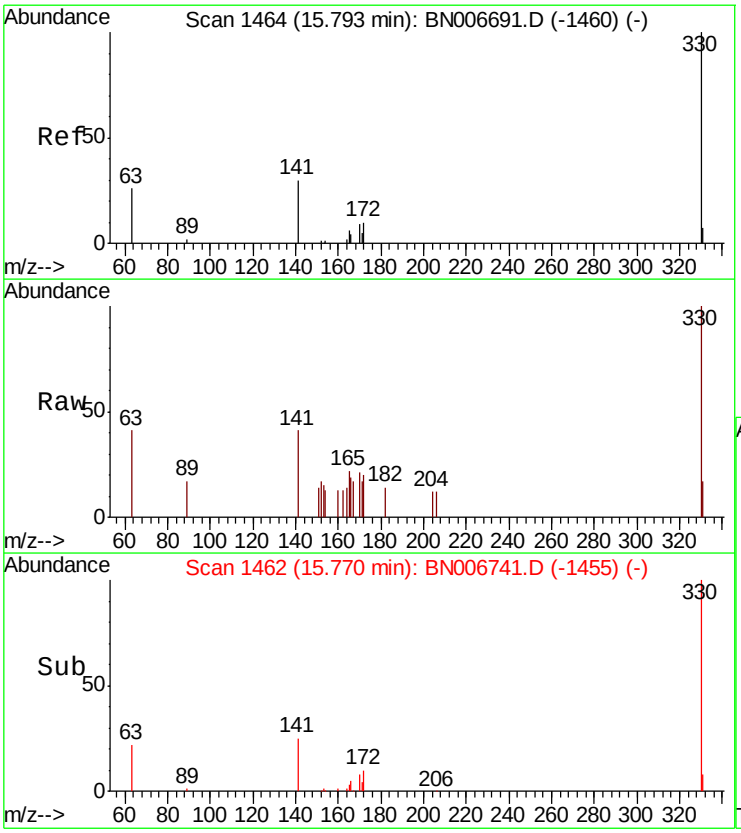
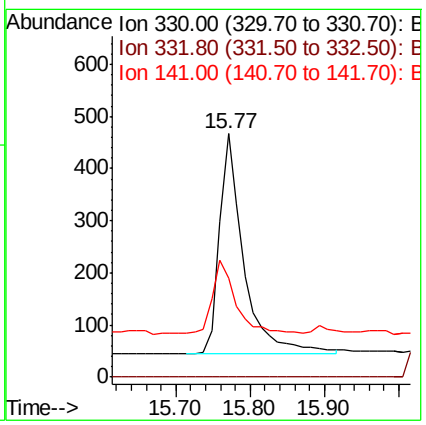
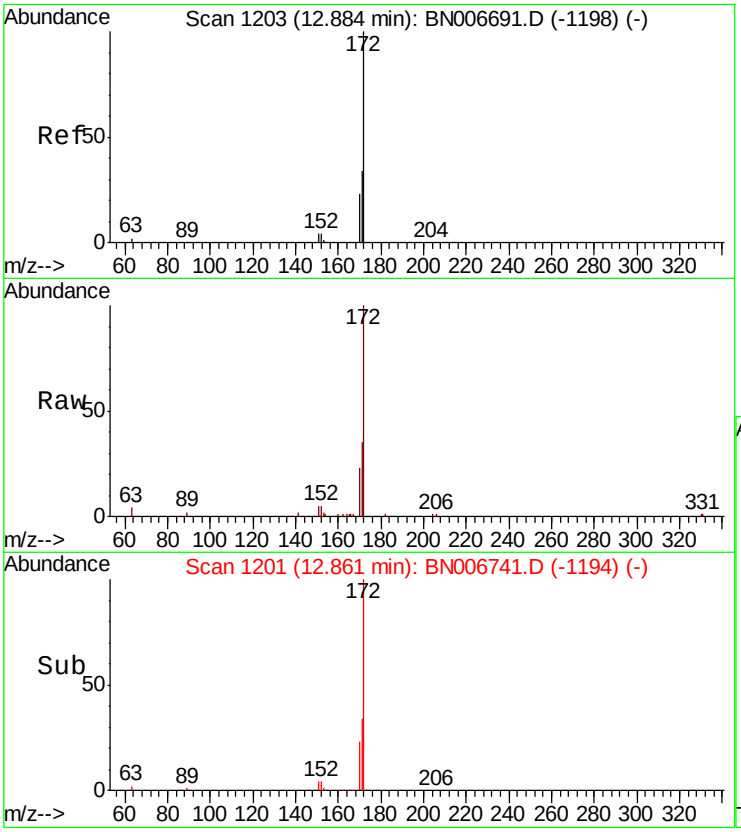


#14
2,4,6-Tribromophenol
Concen: 0.319 ng
RT: 15.77 min Scan# 1462
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:330 Resp: 955

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	31.4	24.8	37.2

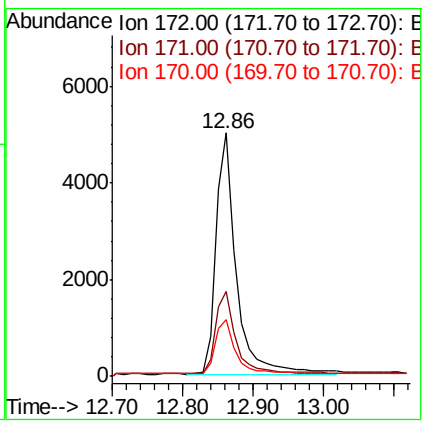




#15
2-Fluorobiphenyl
Concen: 0.426 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:172 Resp: 10143

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.4	18.9	28.3



Instrument :
BNA_N
ClientSampleId :
MWHR2-6-070119MSD

Manual Integrations APPROVED
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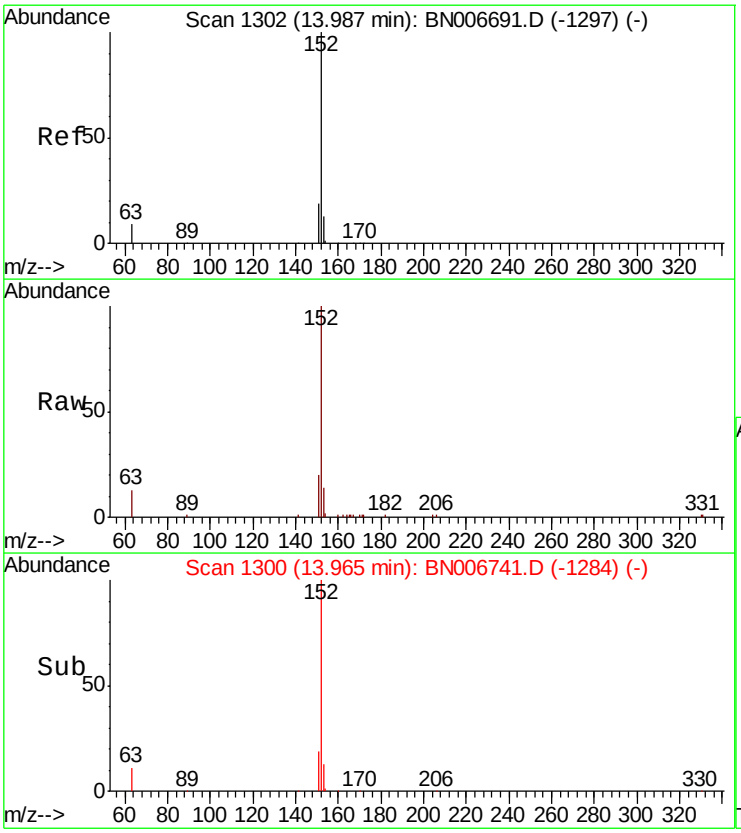
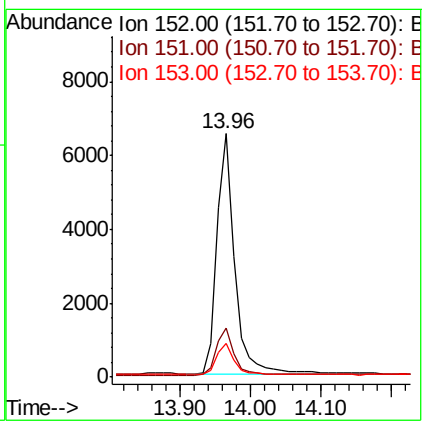
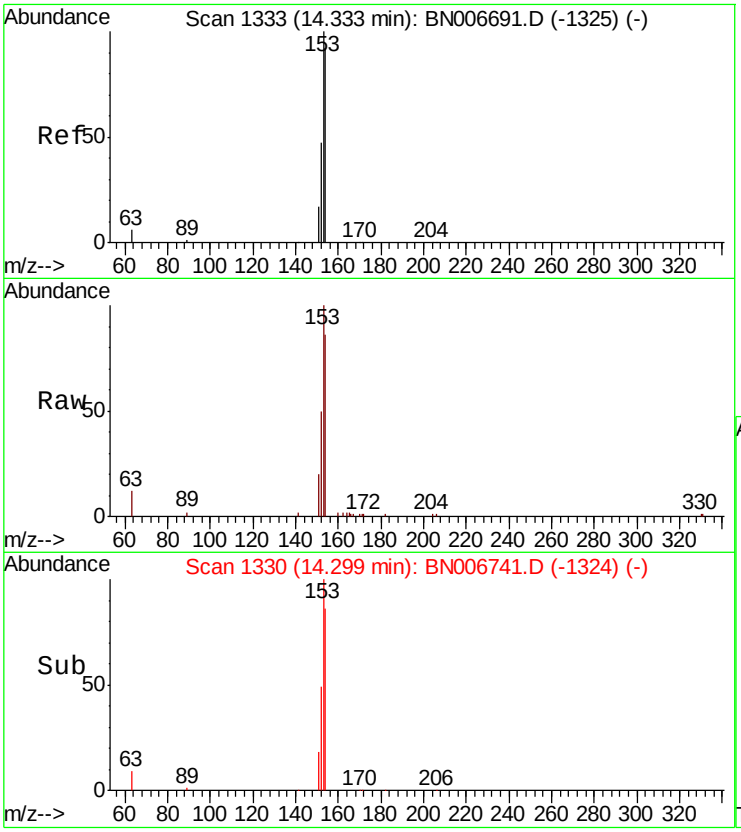


#16
Acenaphthylene
Concen: 0.383 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:152 Resp: 11624

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.1	10.6	15.8

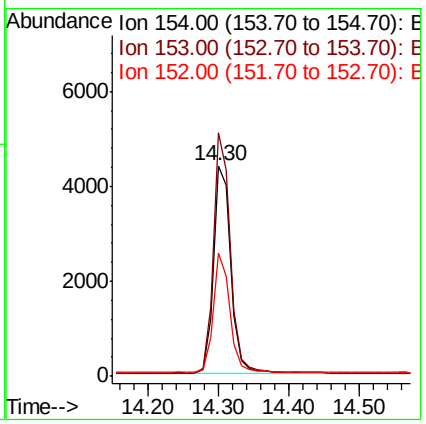




#17
Acenaphthene
Concen: 0.390 ng
RT: 14.30 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:154 Resp: 7554

Ion	Ratio	Lower	Upper
154	100		
153	113.7	88.9	133.3
152	55.6	42.8	64.2



Instrument :
BNA_N
ClientSampleId :
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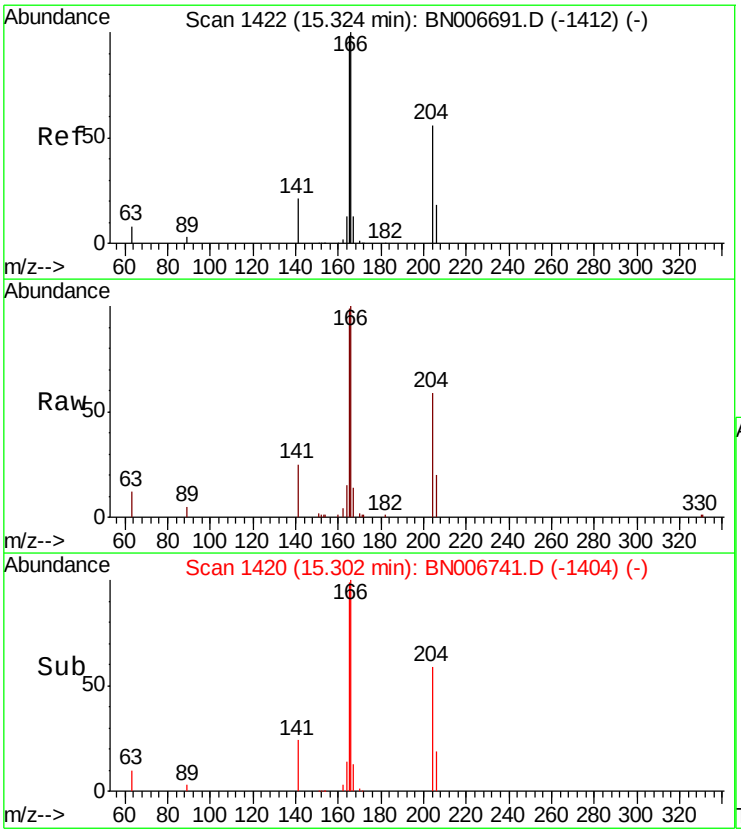
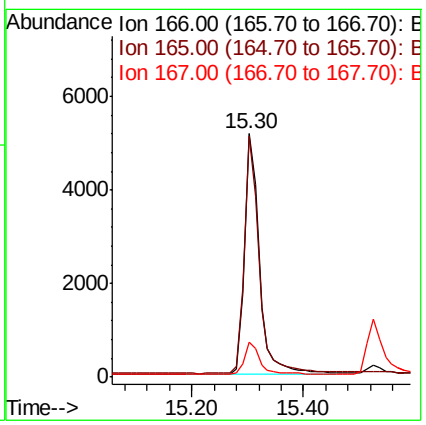
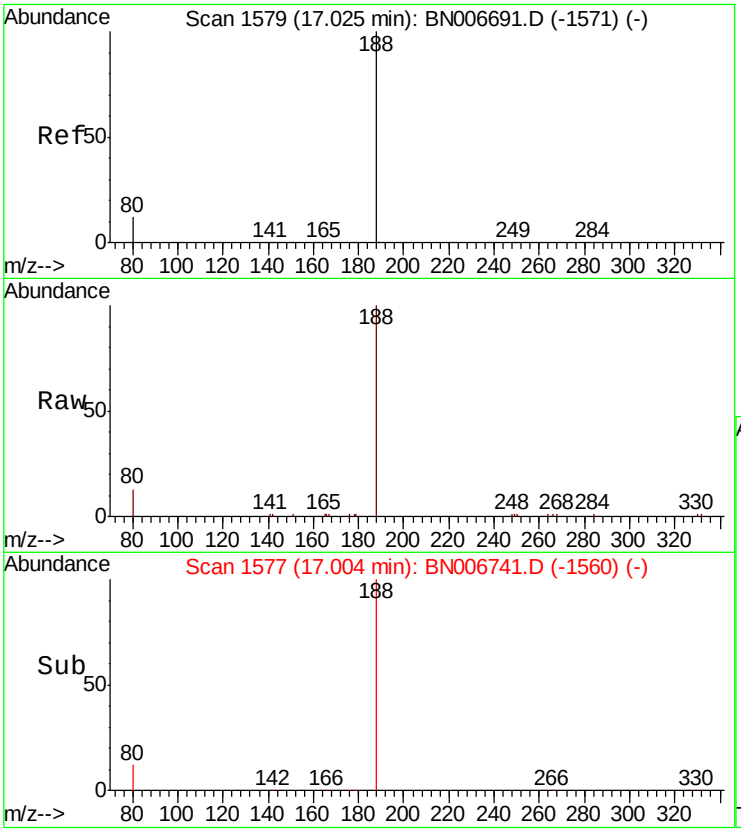


#18
Fluorene
Concen: 0.398 ng
RT: 15.30 min Scan# 1420
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:166 Resp: 9559

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.0	117.0
167	13.5	10.7	16.1

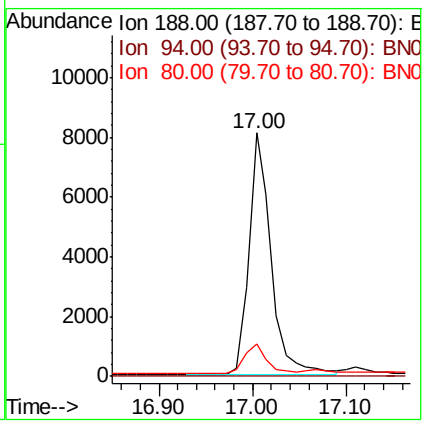




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.00 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:188 Resp: 13437

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.1	10.3	15.5



Instrument :
BNA_N
ClientSampleId :
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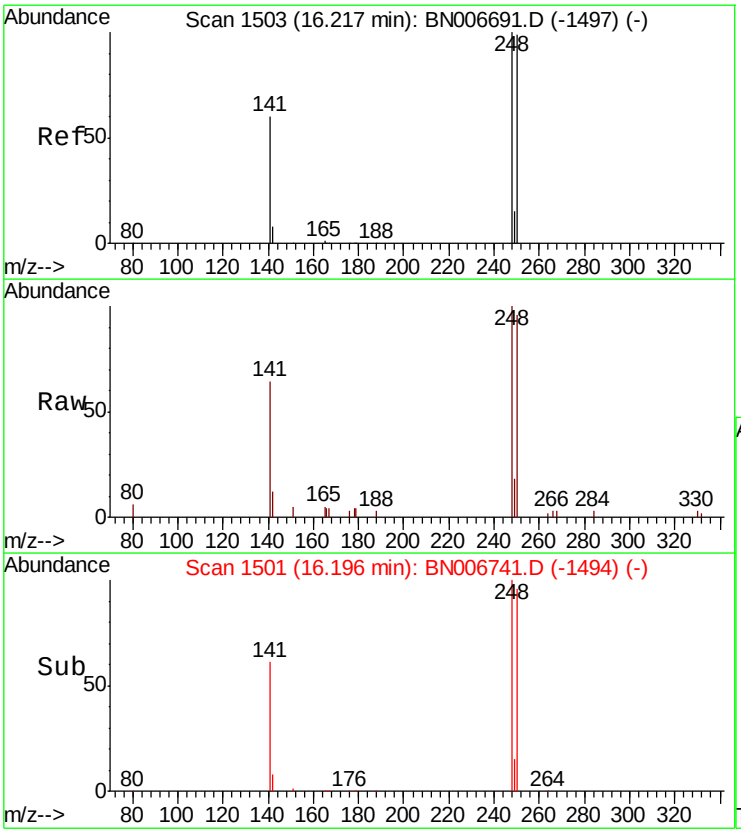
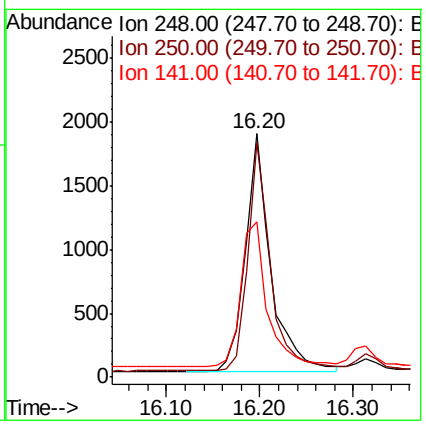
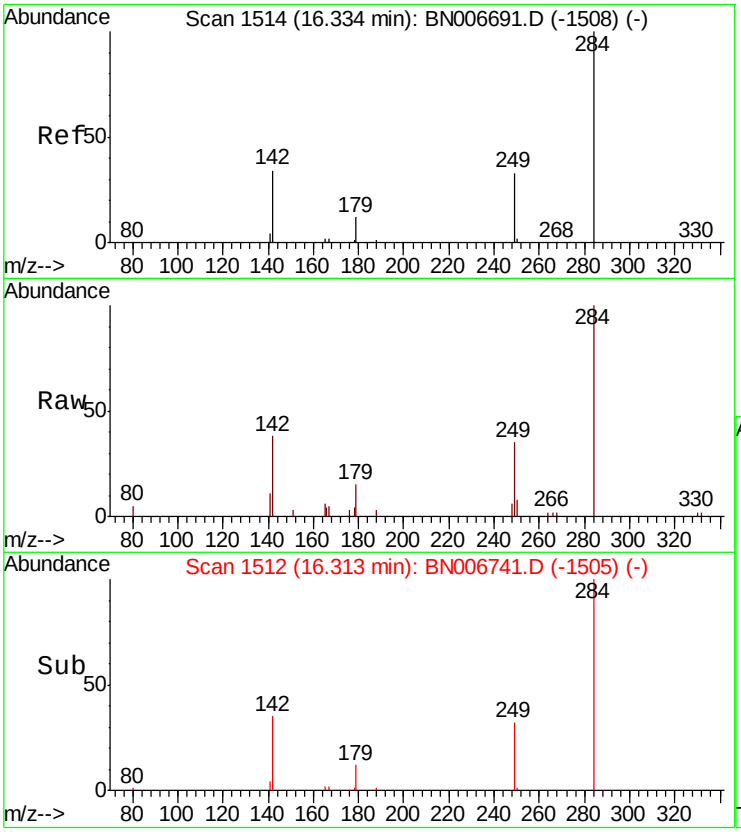


#20
4-Bromophenyl-phenylether
Concen: 0.447 ng
RT: 16.20 min Scan# 1501
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:248 Resp: 3541

Ion	Ratio	Lower	Upper
248	100		
250	96.4	79.0	118.6
141	63.6	50.2	75.4

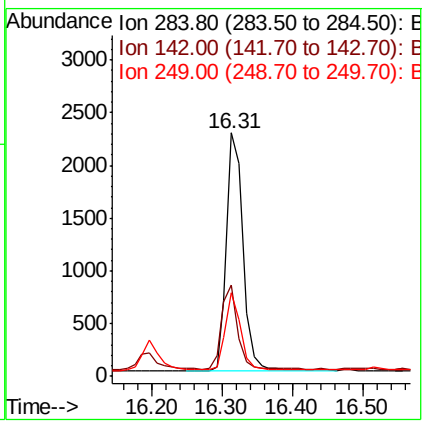




#21
Hexachlorobenzene
Concen: 0.395 ng
RT: 16.31 min Scan# 1512
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:284 Resp: 3722

Ion	Ratio	Lower	Upper
284	100		
142	34.1	26.9	40.3
249	29.9	24.4	36.6



Instrument :
BNA_N
ClientSampleId :
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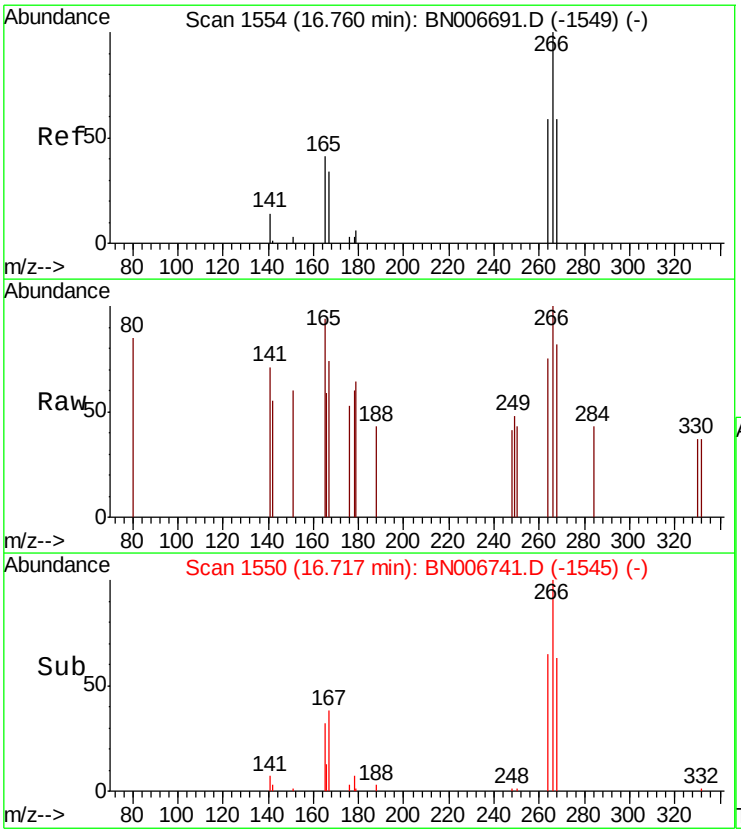
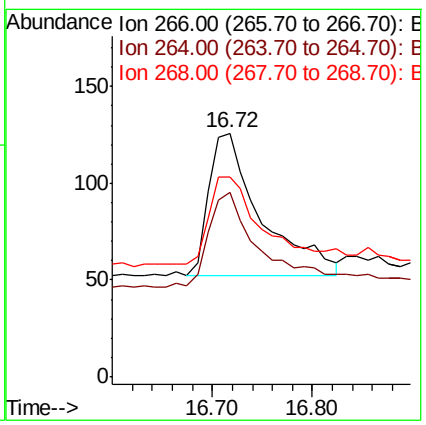
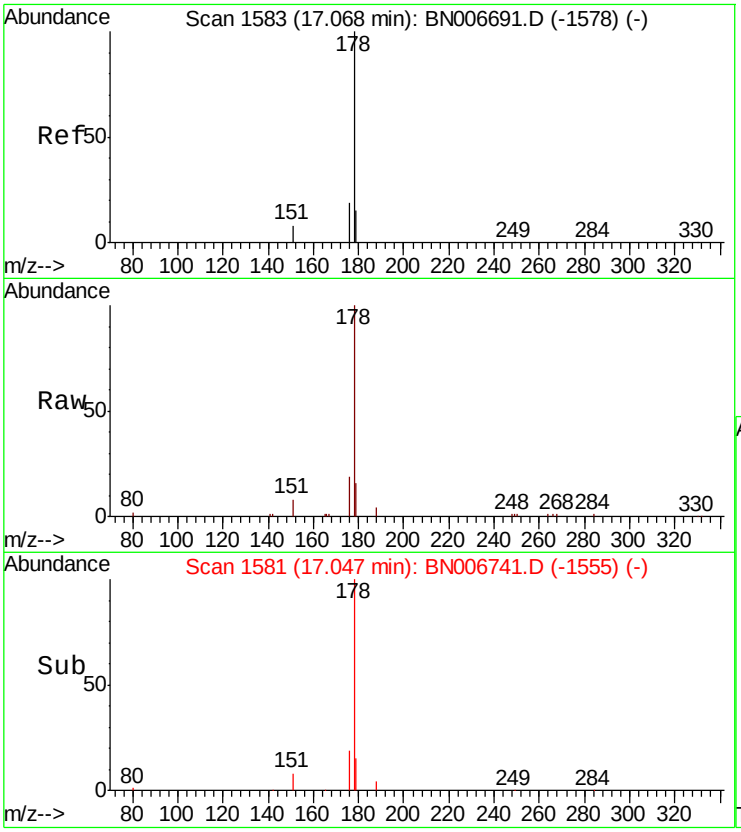


#22
Pentachlorophenol
Concen: 0.324 ng
RT: 16.72 min Scan# 1550
Delta R.T. -0.04 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:266 Resp: 270

Ion	Ratio	Lower	Upper
266	100		
264	75.4	57.6	86.4
268	81.7	66.6	99.8

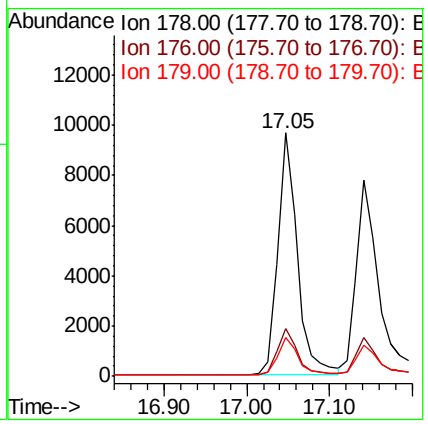




#23
Phenanthrene
Concen: 0.408 ng
RT: 17.05 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:178 Resp: 15792

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.7	12.4	18.6



Instrument :
BNA_N
ClientSampleId :
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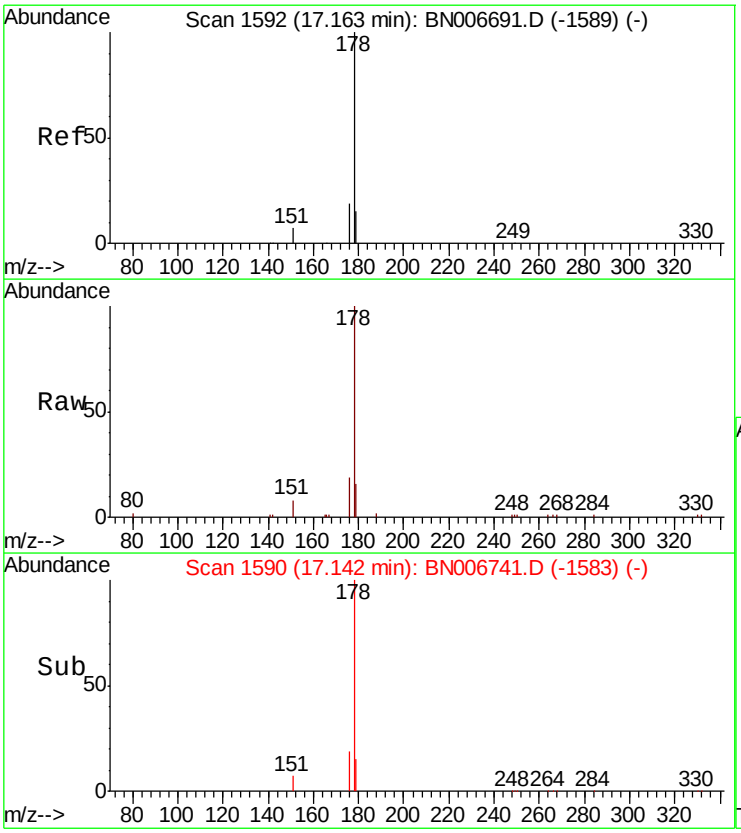
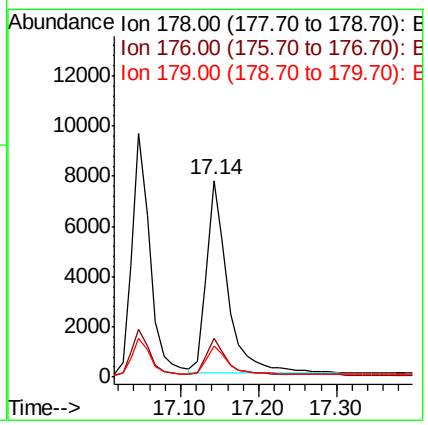
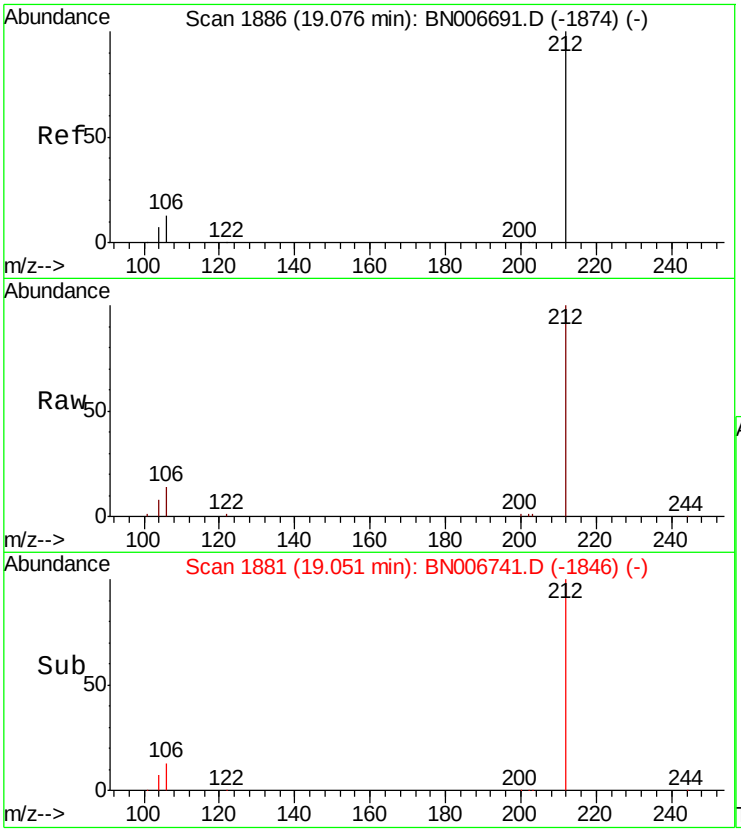


#24
Anthracene
Concen: 0.408 ng
RT: 17.14 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:178 Resp: 14284

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.1	11.9	17.9

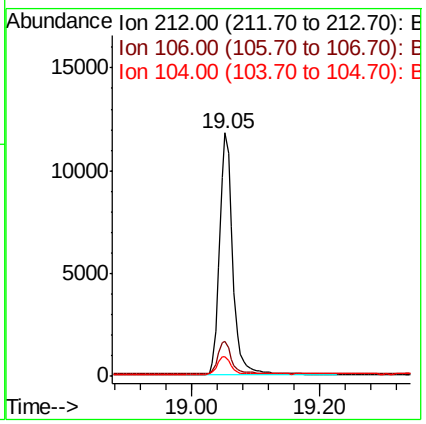




#25
Fluoranthene-d10
Concen: 0.453 ng
RT: 19.05 min Scan# 1881
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:212 Resp: 17404

Ion	Ratio	Lower	Upper
212	100		
106	13.8	11.0	16.6
104	7.6	6.1	9.1



Instrument :
BNA_N
ClientSampleId :
MWHR2-6-070119MSD

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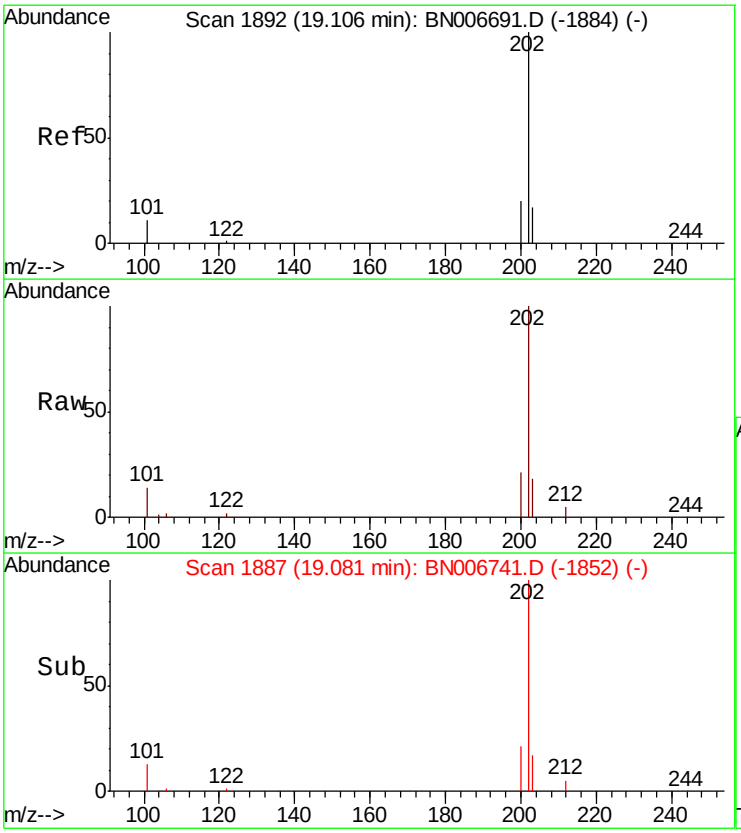
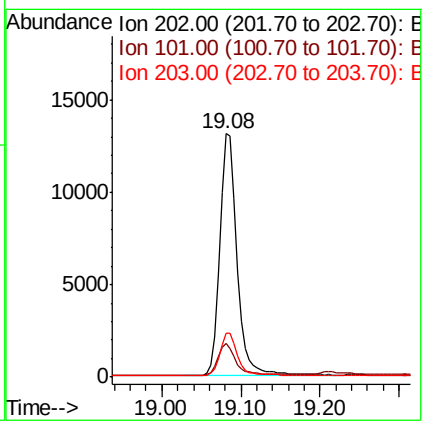
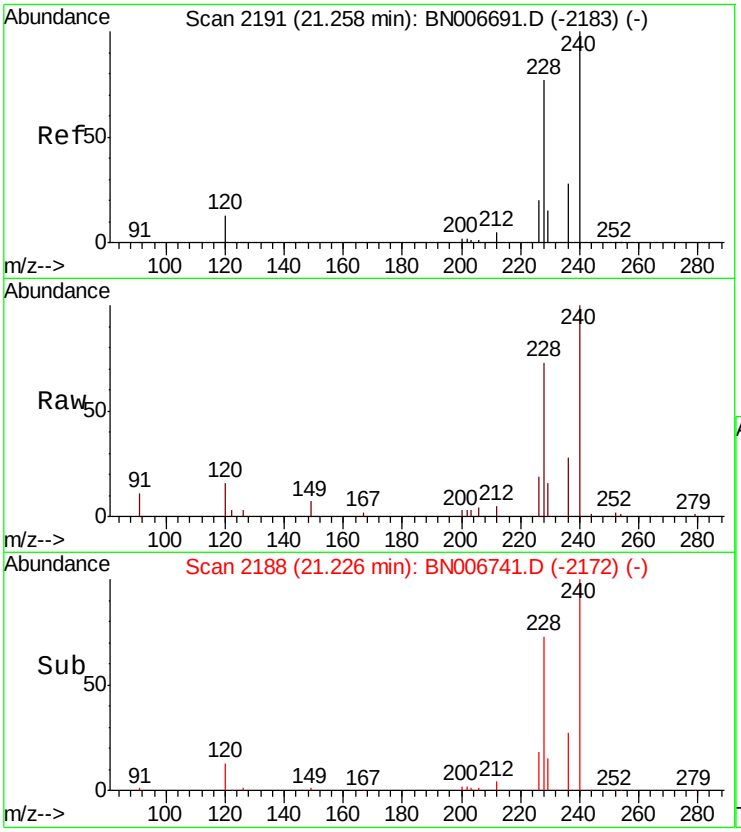


#26
Fluoranthene
Concen: 0.445 ng
RT: 19.08 min Scan# 1887
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:202 Resp: 20232

Ion	Ratio	Lower	Upper
202	100		
101	14.2	8.7	13.1#
203	17.6	13.8	20.6

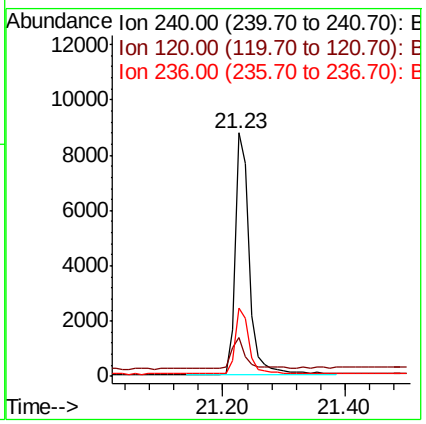




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:240 Resp: 14190

Ion	Ratio	Lower	Upper
240	100		
120	16.1	12.9	19.3
236	28.0	23.2	34.8



Instrument :
BNA_N
ClientSampleId :
MWHR2-6-070119MSD

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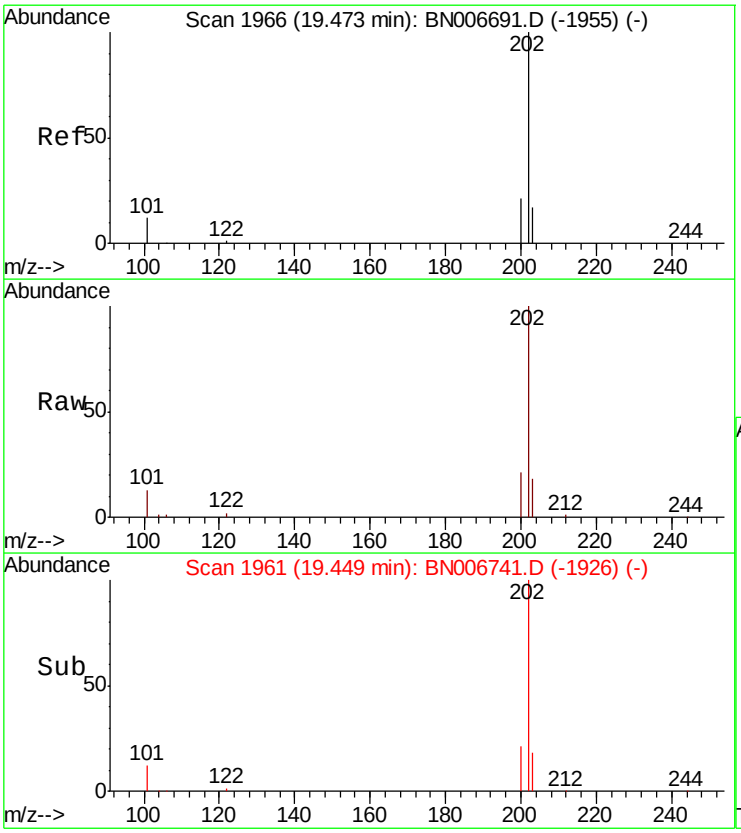
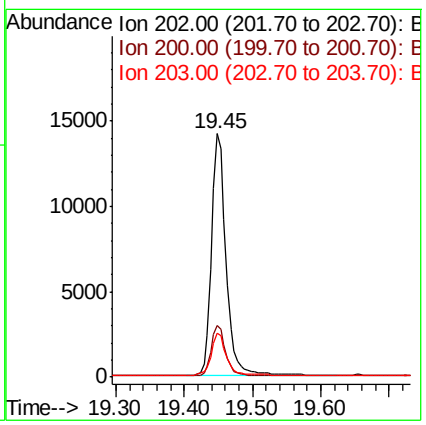
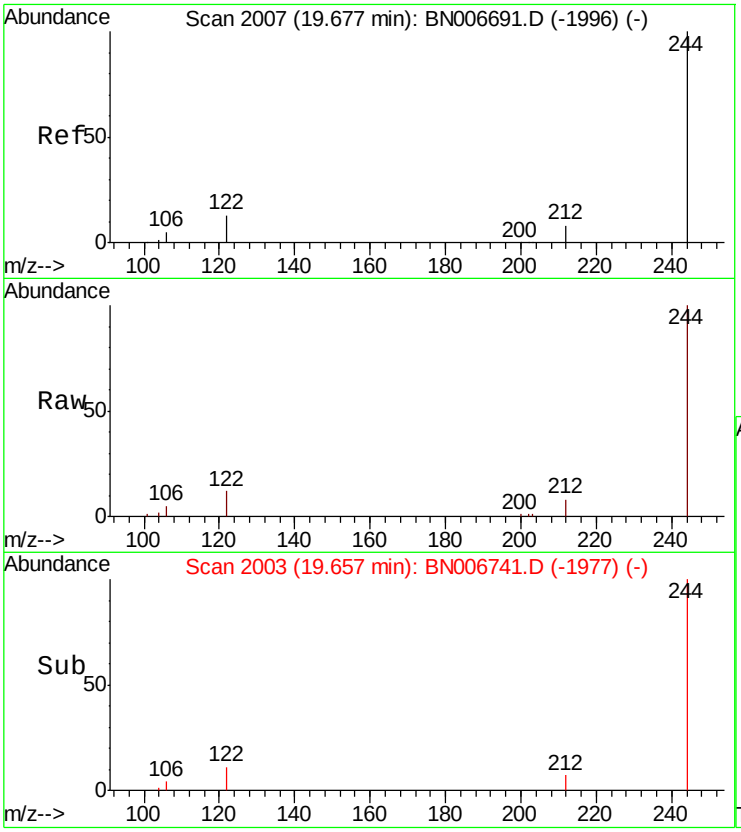


#28
Pyrene
Concen: 0.371 ng
RT: 19.45 min Scan# 1961
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:202 Resp: 21067

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.8	25.2
203	18.1	14.2	21.2

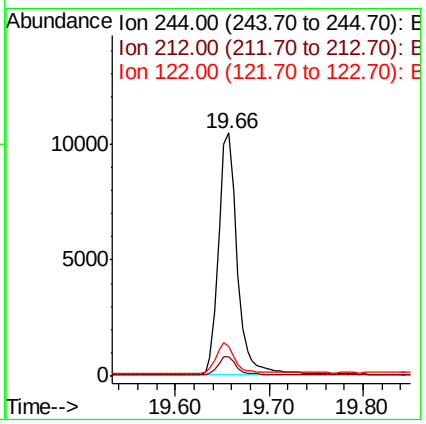




#29
Terphenyl-d14
Concen: 0.445 ng
RT: 19.66 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:244 Resp: 14547

Ion	Ratio	Lower	Upper
244	100		
212	7.8	7.0	10.4
122	12.2	11.5	17.3



Instrument :
BNA_N
ClientSampleId :
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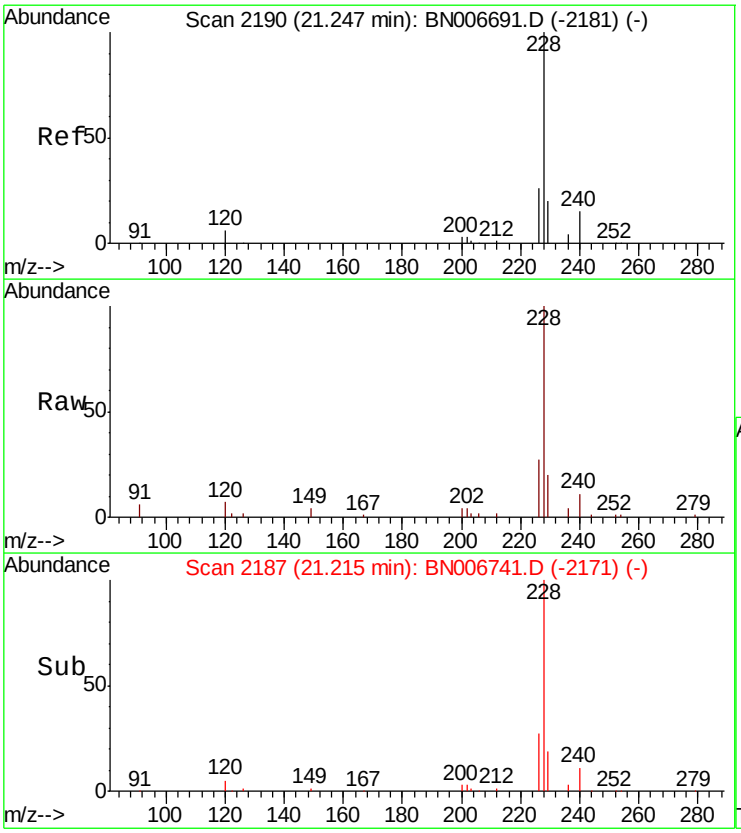
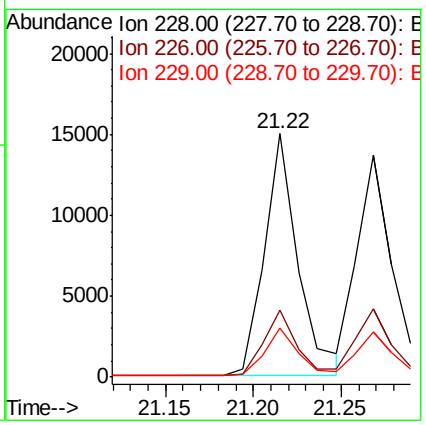
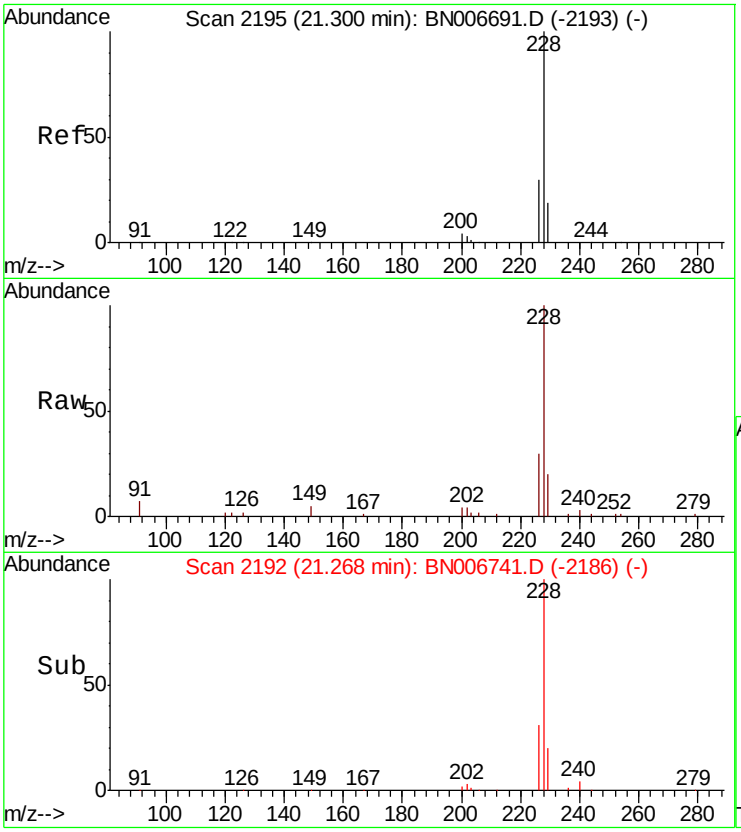


#30
Benzo(a)anthracene
Concen: 0.407 ng
RT: 21.22 min Scan# 2187
Delta R.T. -0.03 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:228 Resp: 19930

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	20.1	16.2	24.4





#31
Chrysene
Concen: 0.383 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:228 Resp: 19299

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.2	36.2
229	20.2	15.8	23.6

Instrument :
BNA_N
ClientSampleId :
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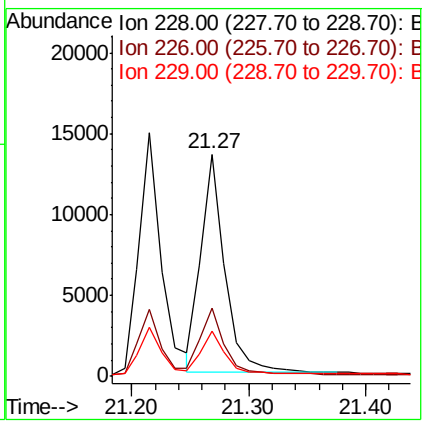
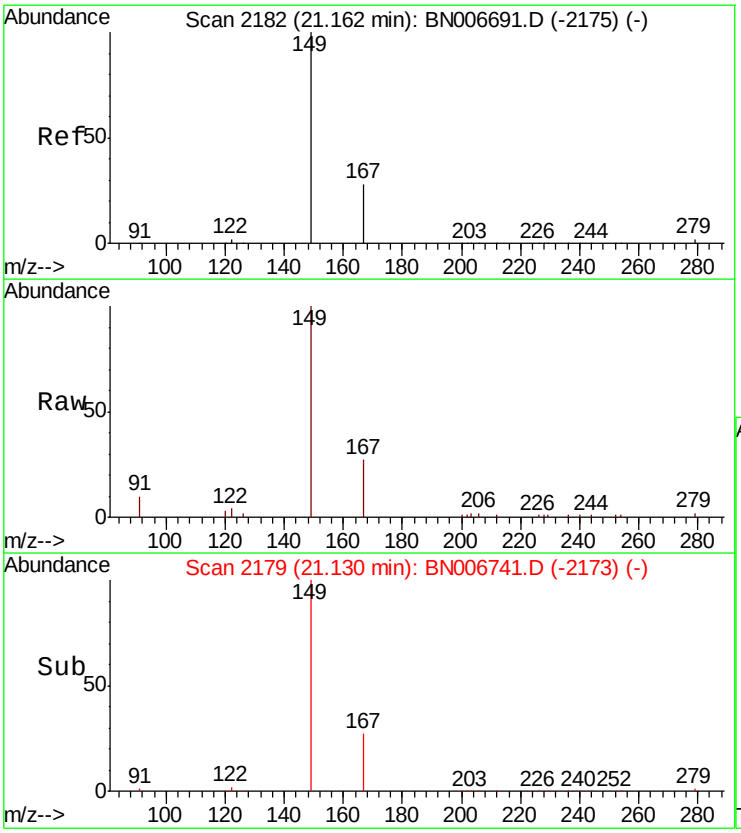
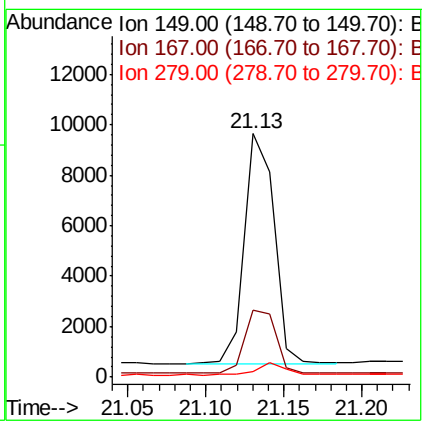


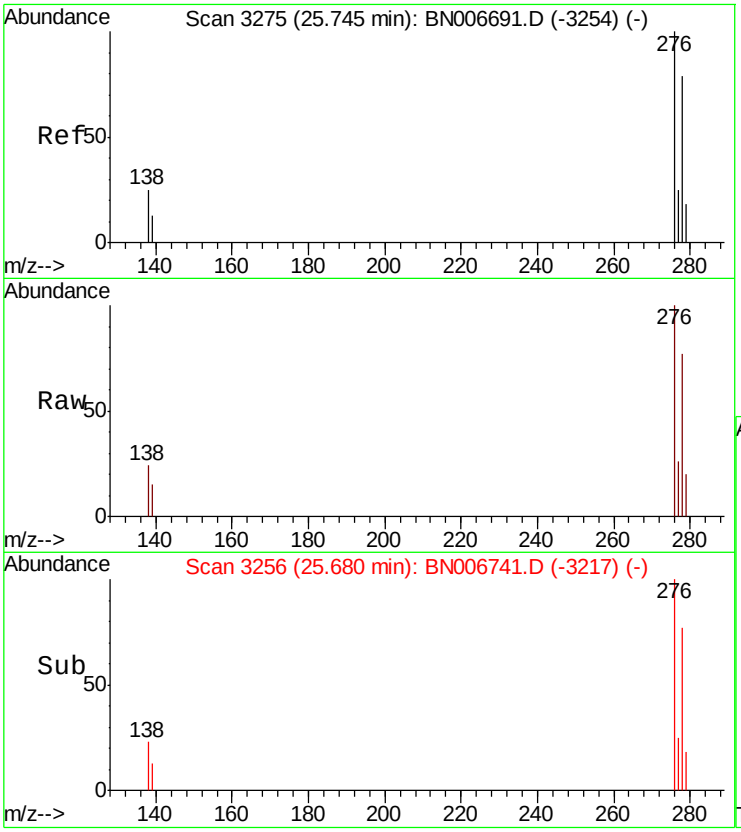


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.083 ng
RT: 21.13 min Scan# 2179
Delta R.T. -0.03 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:149 Resp: 12049

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.9	34.3
279	4.8	3.2	4.8#

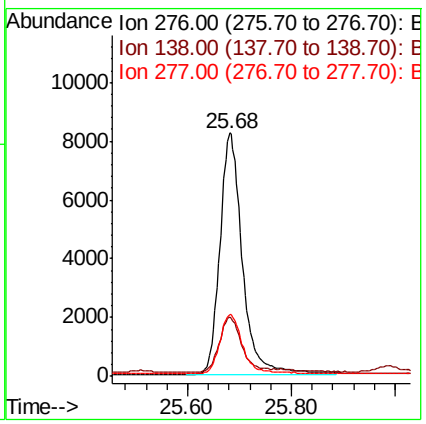




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.408 ng
RT: 25.68 min Scan# 3256
Delta R.T. -0.06 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:276 Resp: 24616

Ion	Ratio	Lower	Upper
276	100		
138	22.6	19.5	29.3
277	24.9	19.7	29.5



Instrument :
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ClientSampleId :
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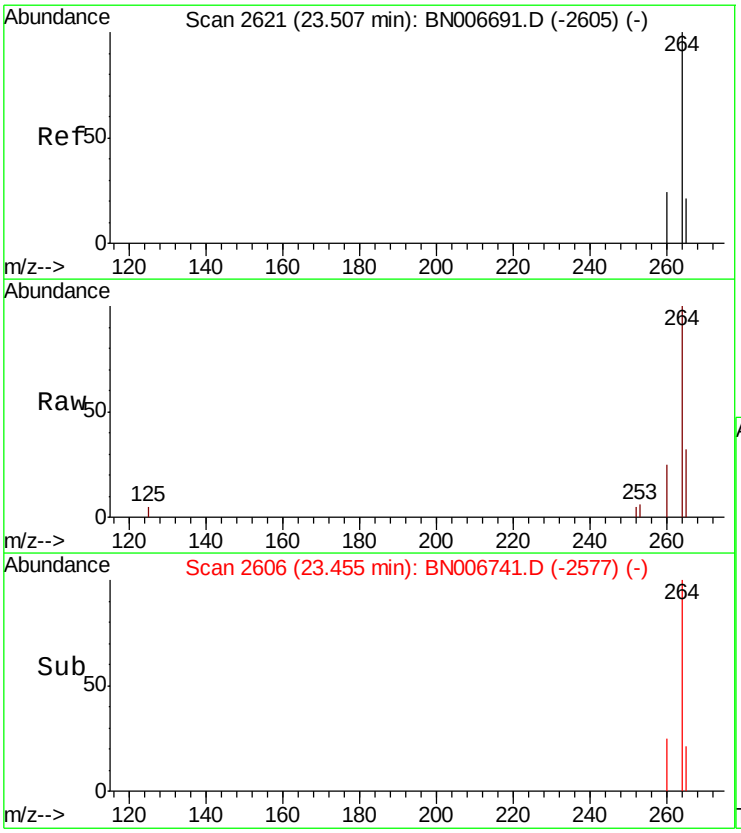
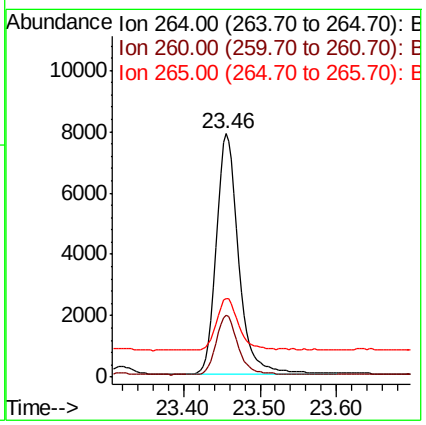
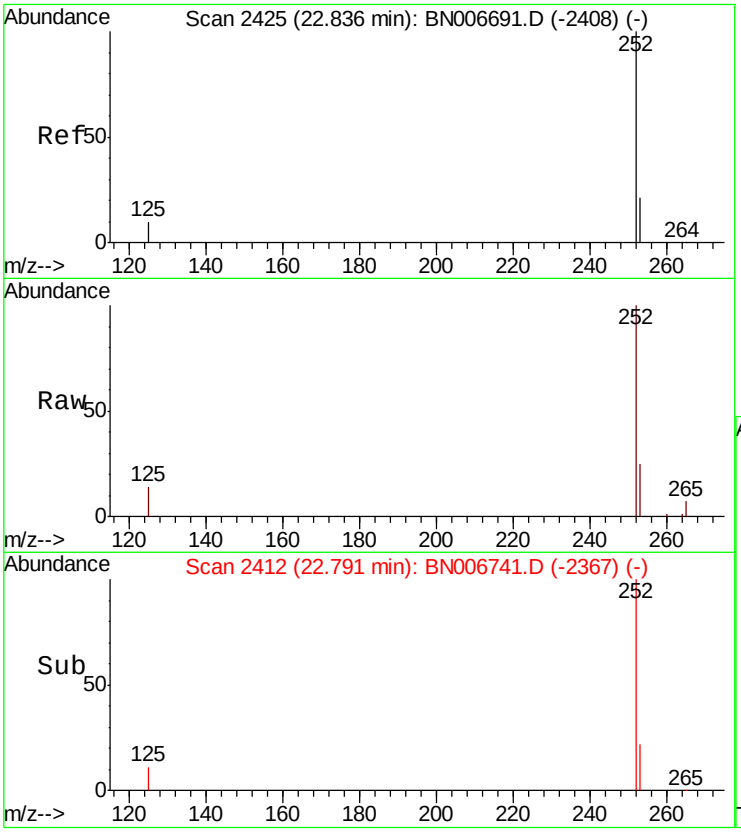


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2606
Delta R.T. -0.05 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:264 Resp: 16256

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.2	30.2
265	32.3	33.7	50.5#





#35
Benzo(b)fluoranthene
Concen: 0.383 ng
RT: 22.79 min Scan# 2412
Delta R.T. -0.04 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:252 Resp: 19959

Ion	Ratio	Lower	Upper
252	100		
253	24.9	20.2	30.2
125	13.8	11.5	17.3

Instrument :
BNA_N
ClientSampleId :
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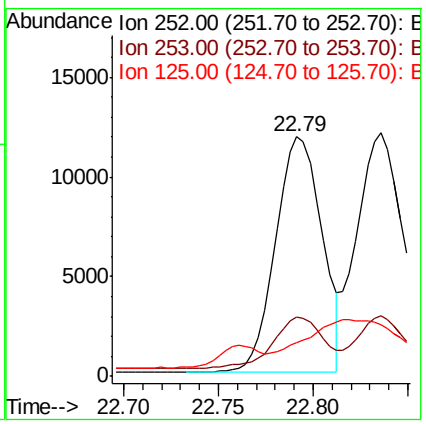
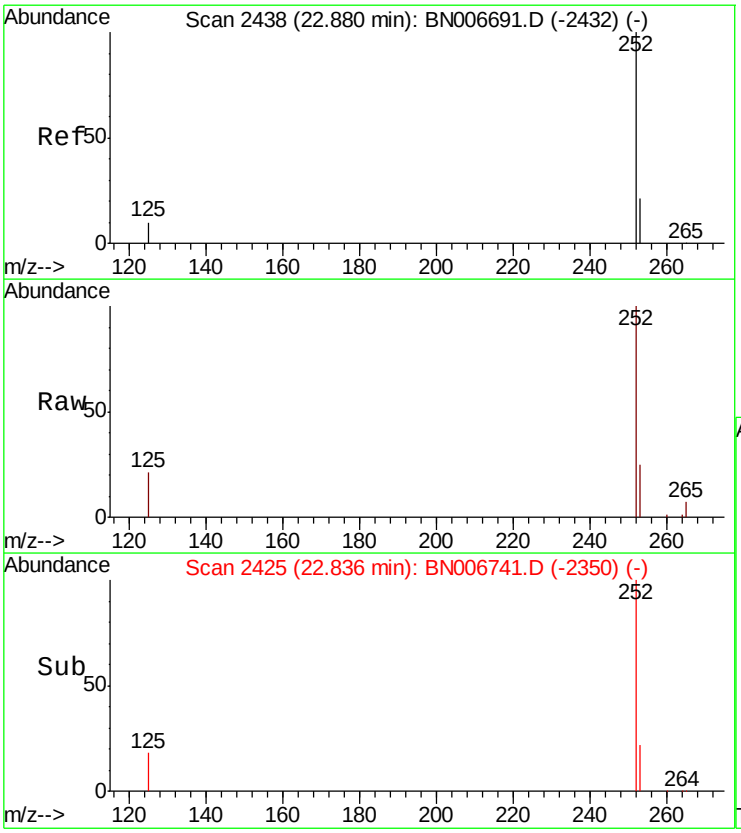
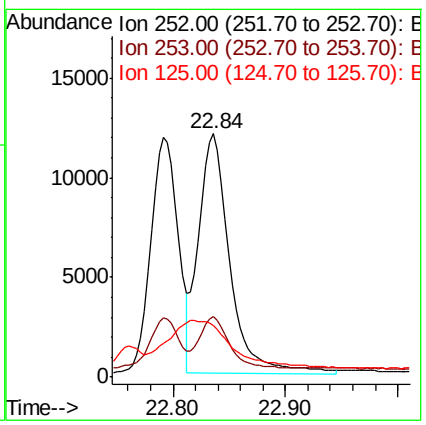


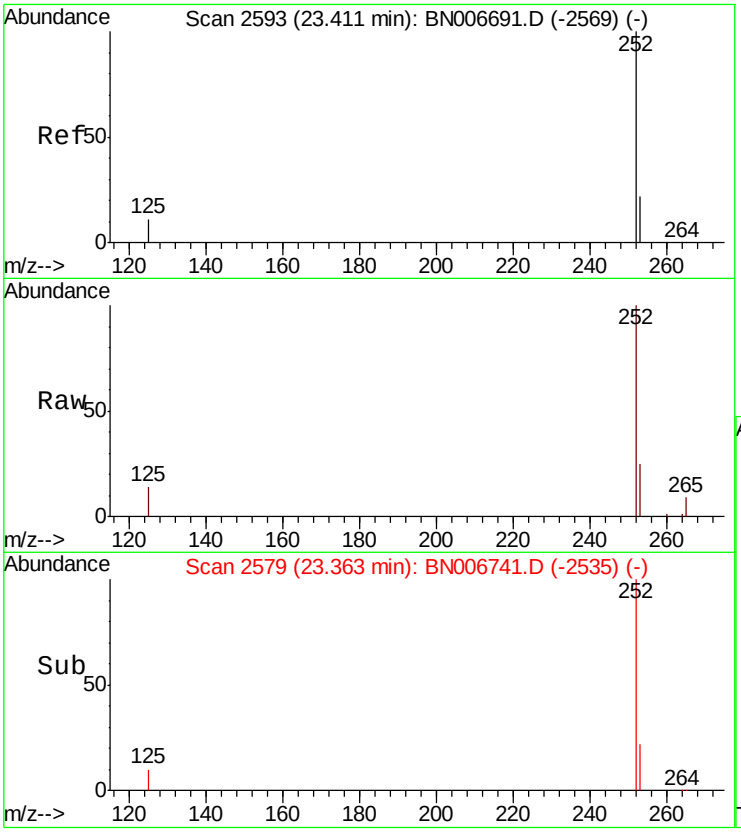


#36
Benzo(k)fluoranthene
Concen: 0.416 ng m
RT: 22.84 min Scan# 2425
Delta R.T. -0.04 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:252 Resp: 23524

Ion	Ratio	Lower	Upper
252	100		
253	24.7	20.1	30.1
125	21.3	11.4	17.0#

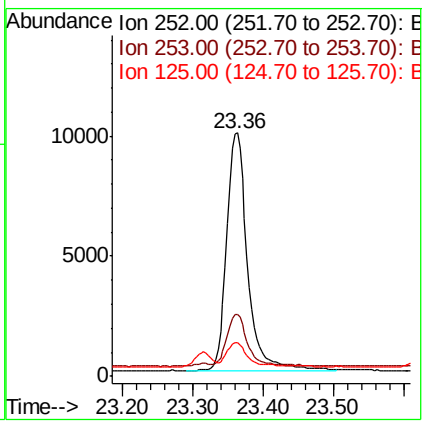




#37
Benzo(a)pyrene
Concen: 0.404 ng
RT: 23.36 min Scan# 2579
Delta R.T. -0.05 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:252 Resp: 20445

Ion	Ratio	Lower	Upper
252	100		
253	25.3	21.4	32.2
125	13.8	13.3	19.9



Instrument :
BNA_N
ClientSampleId :
MWHR2-6-070119MSD

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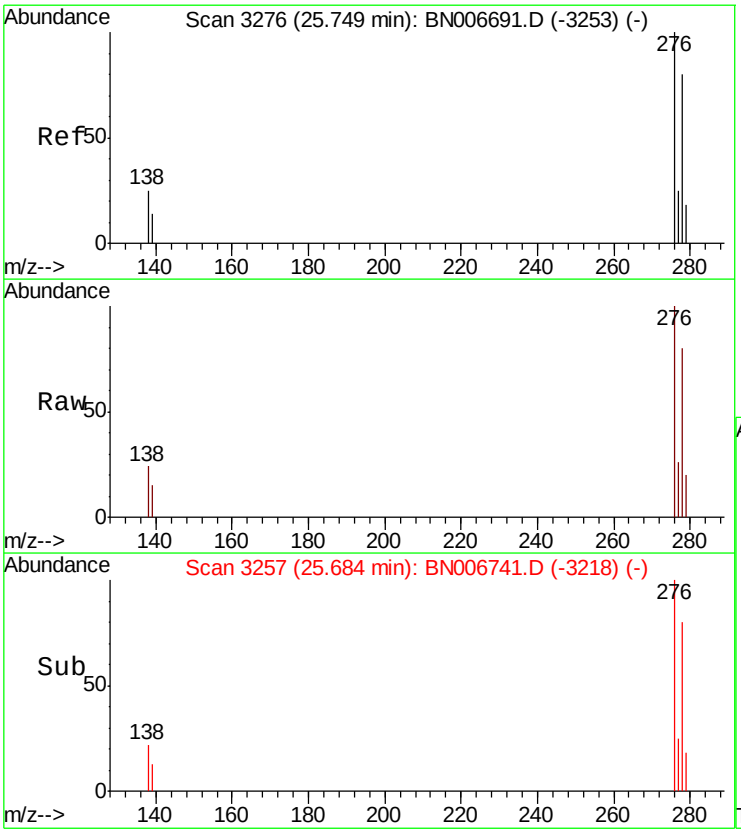
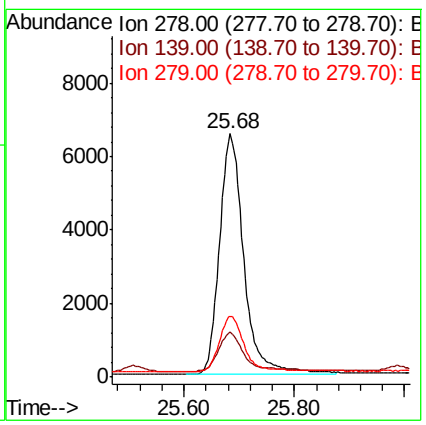
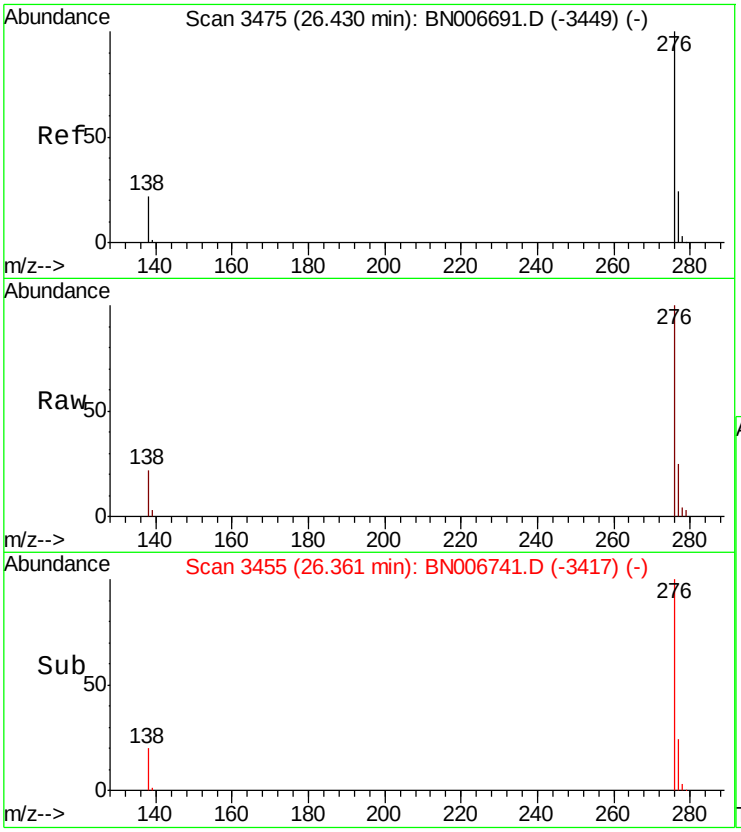


#38
Dibenzo(a,h)anthracene
Concen: 0.399 ng
RT: 25.68 min Scan# 3257
Delta R.T. -0.06 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:278 Resp: 20027

Ion	Ratio	Lower	Upper
278	100		
139	18.6	16.2	24.4
279	25.1	20.7	31.1

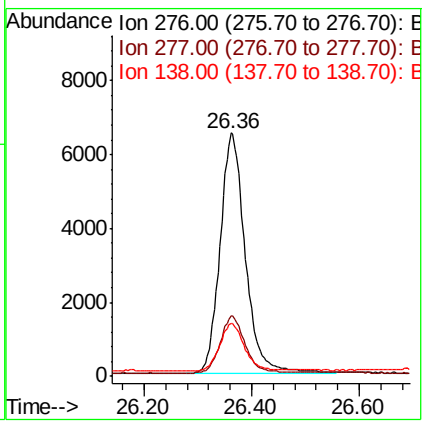




#39
Benzo(g,h,i)perylene
Concen: 0.411 ng
RT: 26.36 min Scan# 3455
Delta R.T. -0.07 min
Lab File: BN006741.D
Acq: 06 Jul 2019 06:27

Tgt Ion:276 Resp: 21225

Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.6	30.8
138	21.9	19.7	29.5



Instrument :
BNA_N
ClientSampleId :
MWHR2-6-070119MSD

Manual Integrations APPROVED
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