Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091820\
Data File : BN011831.D
Acq On : 18 Sep 2020 10:53
Operator : CG/JU
Sample : L3971-21
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : RR-PAH-WP

Quant Time: Sep 18 11:29:40 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 10:47:35 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.715	152	1705	0.40	ng	0.00
7) Naphthalene-d8	10.504	136	6416	0.40	ng	0.01
13) Acenaphthene-d10	14.357	164	3756	0.40	ng	0.00
19) Phenanthrene-d10	17.102	188	8171	0.40	ng	0.00
29) Chrysene-d12	21.312	240	8515	0.40	ng	# 0.00
36) Perylene-d12	23.566	264	8352	0.40	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.307	112	2182	0.43	ng	0.00
5) Phenol-d6	6.886	99	2505	0.41	ng	0.00
8) Nitrobenzene-d5	8.856	82	2213	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.095	152	3848	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.854	330	778	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.974	172	6439	0.40	ng	0.00
27) Fluoranthene-d10	19.147	212	9272	0.36	ng	0.00
31) Terphenyl-d14	19.752	244	9692	0.50	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.542	128	57745	3.20	ng	98
16) Acenaphthylene	14.078	152	93111	5.14	ng	100
17) Acenaphthene	14.420	154	116658	9.26	ng	93
18) Fluorene	15.410	166	50671	3.22	ng	99
25) Phenanthrene	17.151	178	36565	1.41	ng	100
26) Anthracene	17.236	178	81126	3.61	ng	100
28) Fluoranthene	19.176	202	34266	1.13	ng	99
30) Pyrene	19.539	202	47491	1.60	ng	100
32) Benzo(a)anthracene	21.290	228	31109	1.08	ng	97
33) Chrysene	21.343	228	35547	1.20	ng	98
35) Indeno(1,2,3-cd)pyrene	25.822	276	62915	1.70	ng	100
37) Benzo(b)fluoranthene	22.888	252	71213	2.29	ng	98
38) Benzo(k)fluoranthene	22.933	252	80917	2.51	ng	98
39) Benzo(a)pyrene	23.463	252	118107	4.26	ng	96
40) Dibenzo(a,h)anthracene	25.835	278	37944	1.24	ng	99
41) Benzo(g,h,i)perylene	26.510	276	132092	4.05	ng	99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091820\
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Acq On : 18 Sep 2020 10:53
Operator : CG/JU
Sample : L3971-21
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Sep 18 11:29:40 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 18 10:47:35 2020
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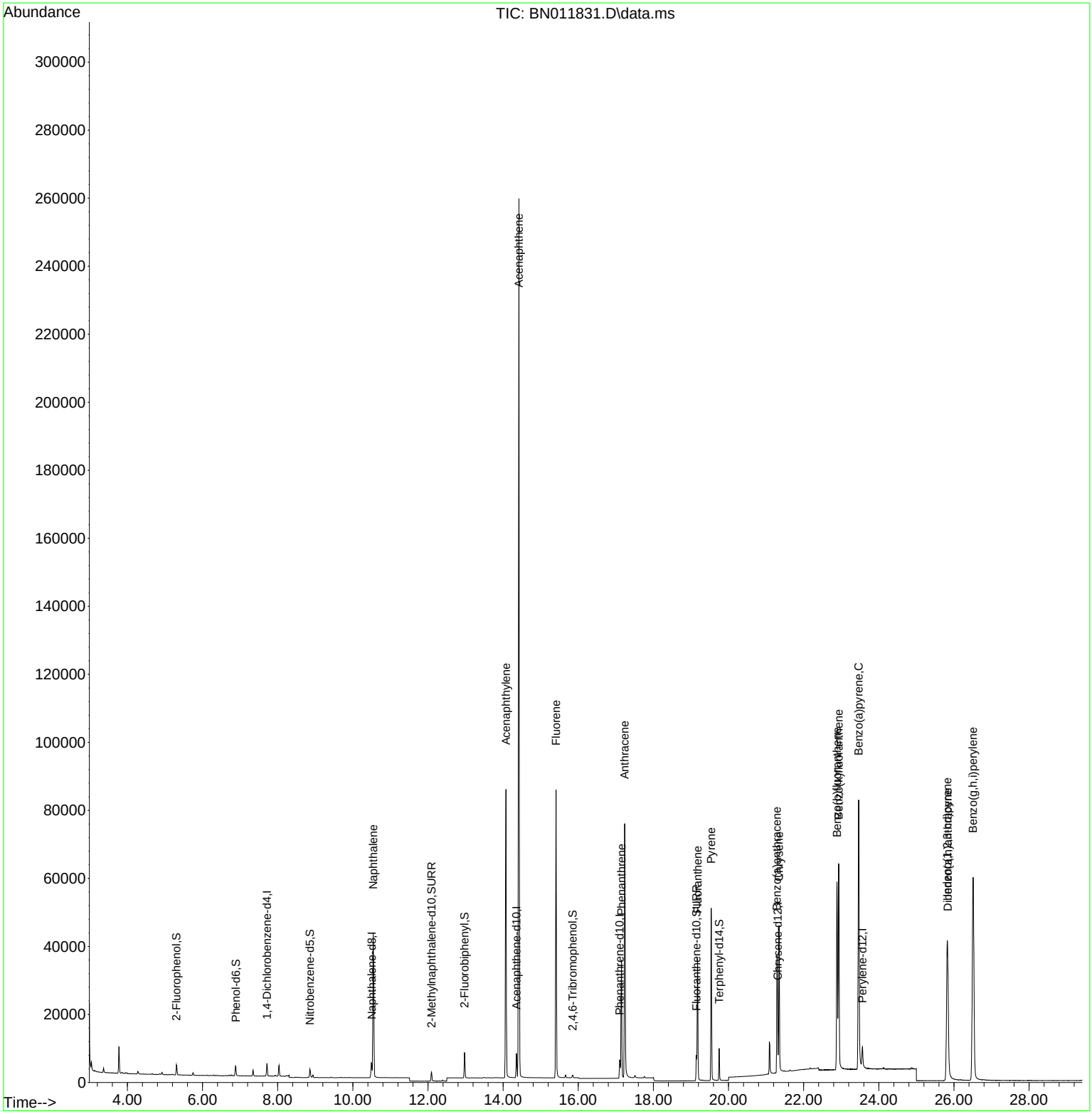
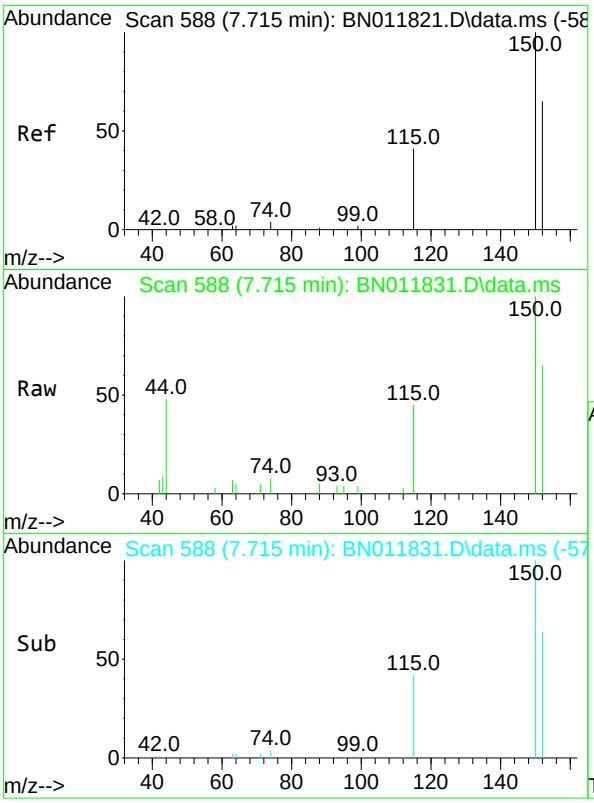


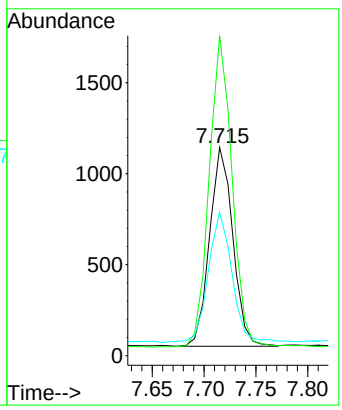
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

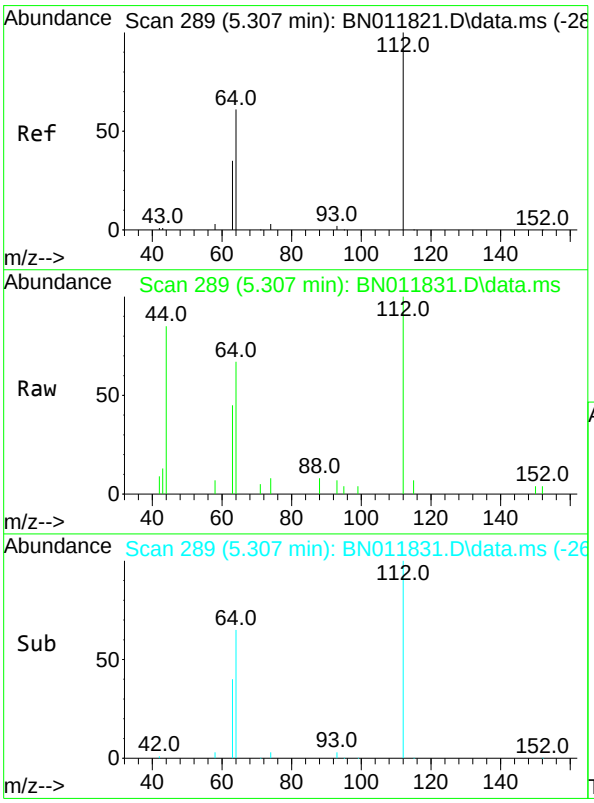


#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.715 min Scan# 588
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:152 Resp: 1705

Ion	Ratio	Lower	Upper
152	100		
150	153.6	118.3	177.5
115	68.9	51.3	76.9

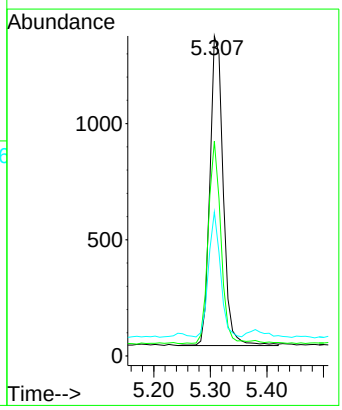




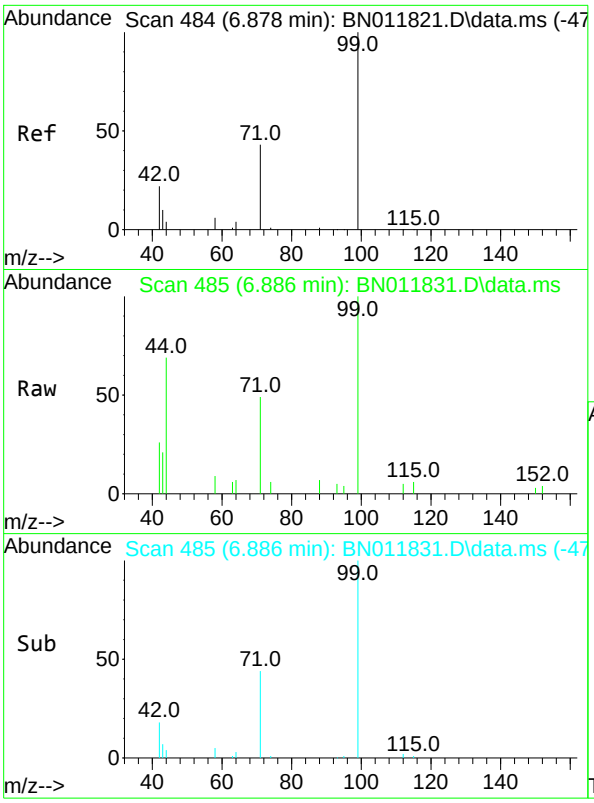
#4
2-Fluorophenol
Concen: 0.43 ng
RT: 5.307 min Scan# 289
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:112 Resp: 2182

Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.0	73.6
63	36.2	31.8	47.6



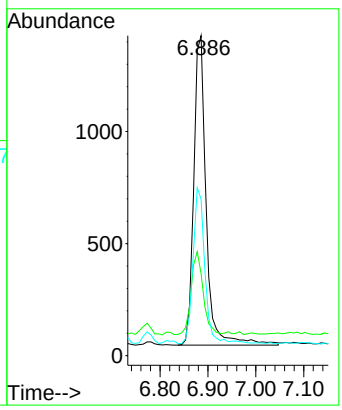
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

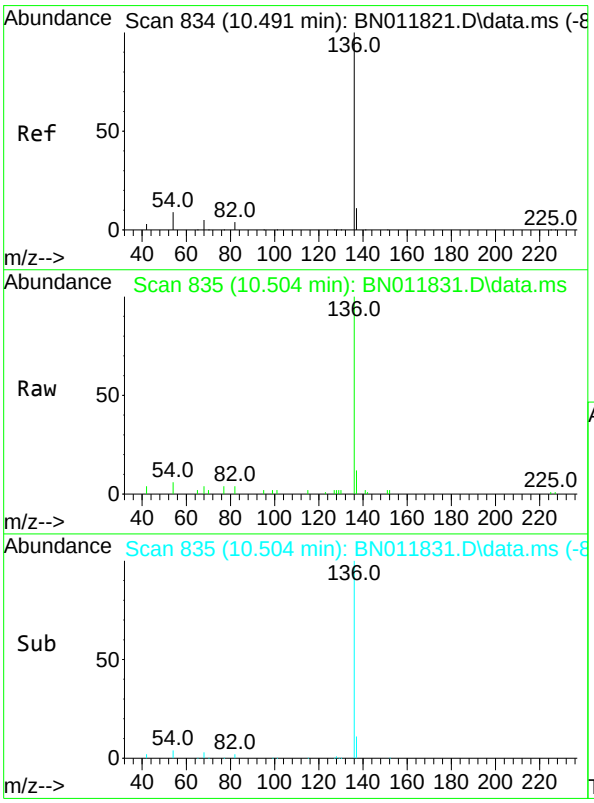


#5
Phenol-d6
Concen: 0.41 ng
RT: 6.886 min Scan# 485
Delta R.T. 0.008 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion: 99 Resp: 2505

Ion	Ratio	Lower	Upper
99	100		
42	25.6	23.4	35.0
71	48.5	38.1	57.1

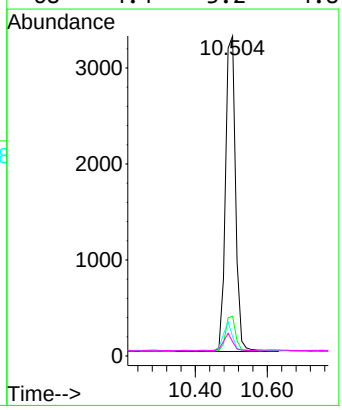




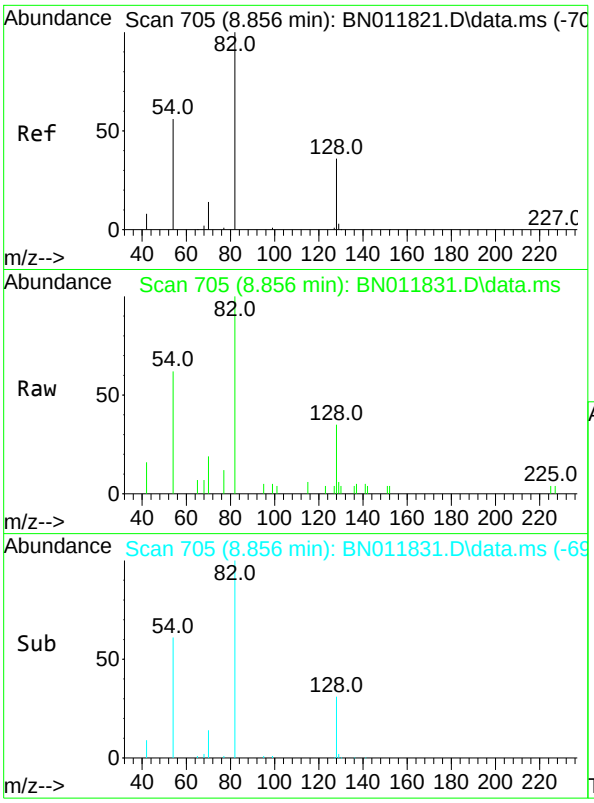
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.504 min Scan# 835
Delta R.T. 0.013 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:136 Resp: 6416

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.5	14.3
54	6.0	5.6	8.4
68	4.4	3.2	4.8



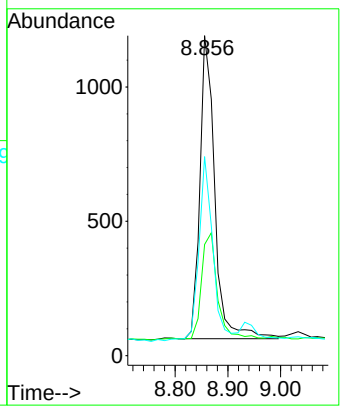
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

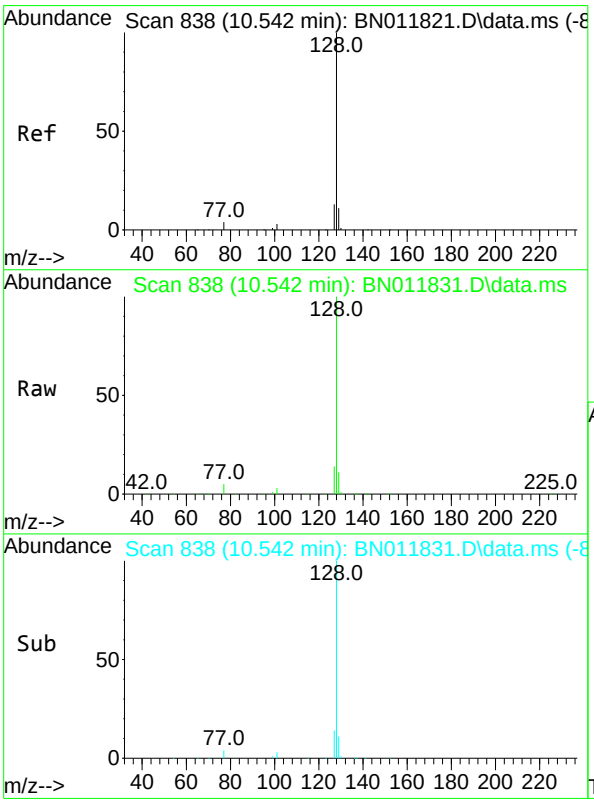


#8
Nitrobenzene-d5
Concen: 0.34 ng
RT: 8.856 min Scan# 705
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion: 82 Resp: 2213

Ion	Ratio	Lower	Upper
82	100		
128	34.8	34.2	51.2
54	62.2	43.1	64.7

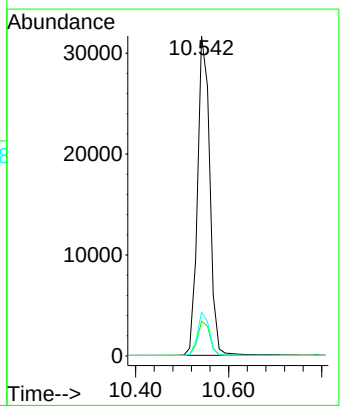


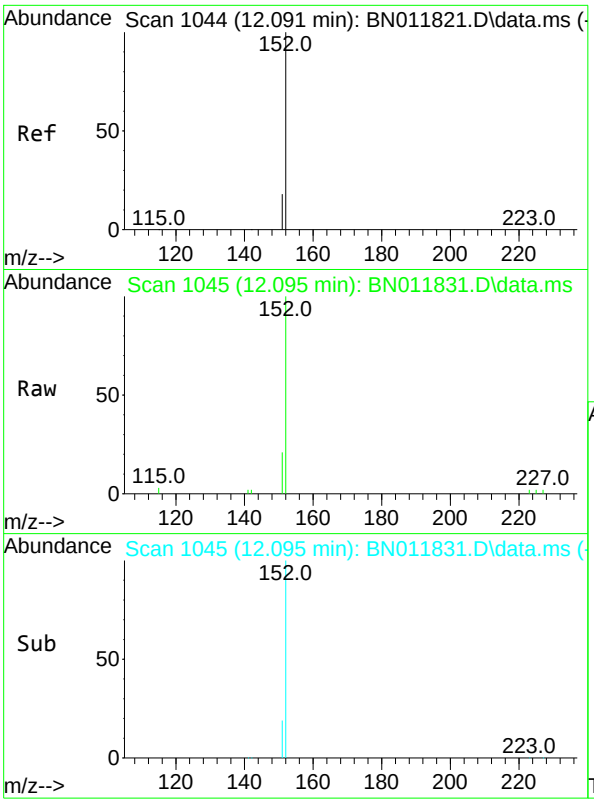


#9
Naphthalene
Concen: 3.20 ng
RT: 10.542 min Scan# 838
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:128 Resp: 57745

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.7	14.5
127	13.7	11.0	16.4

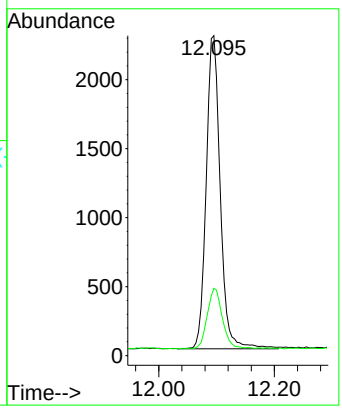




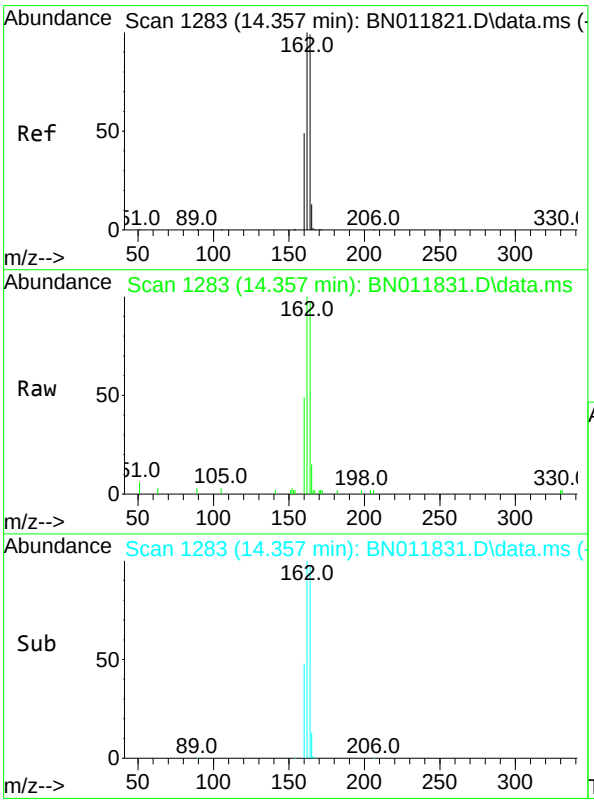
#11
2-Methylnaphthalene-d10
Concen: 0.34 ng
RT: 12.095 min Scan# 1045
Delta R.T. 0.004 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:152 Resp: 3848

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.7	25.1



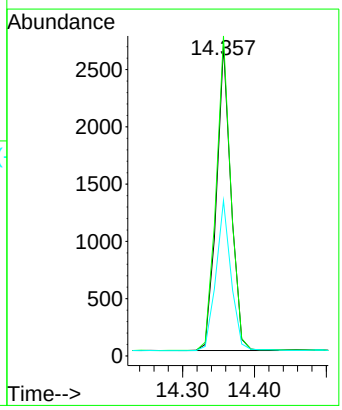
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP



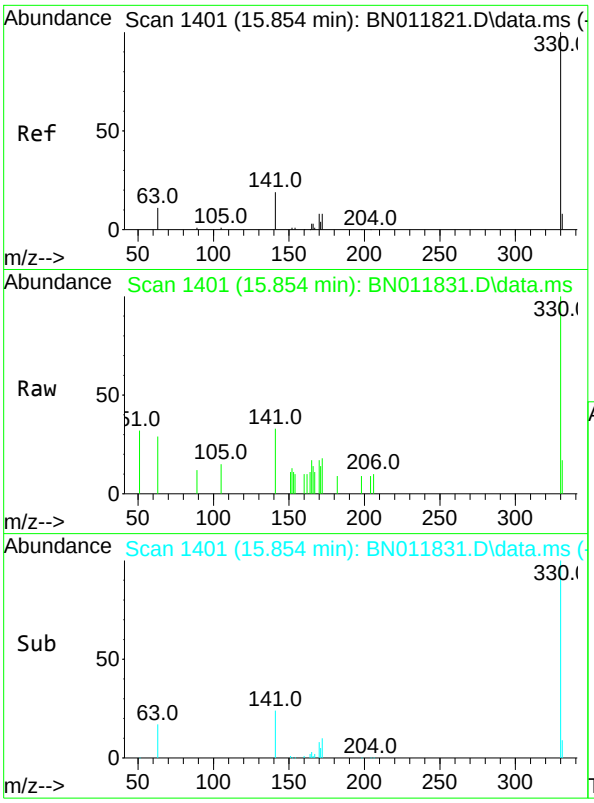
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.357 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:164 Resp: 3756

Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.6	125.4
160	50.0	41.2	61.8



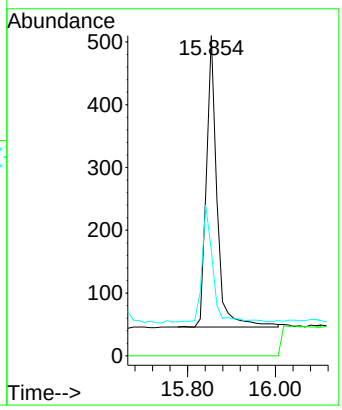
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

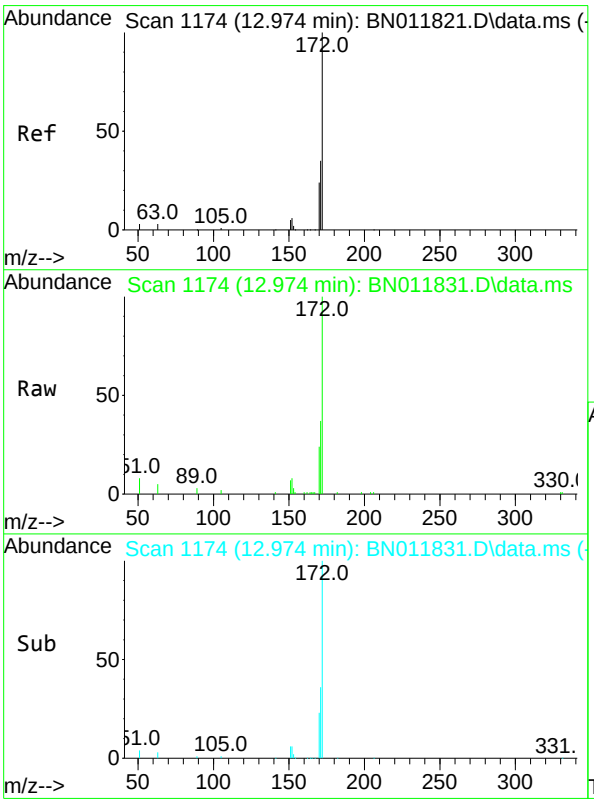


#14
2,4,6-Tribromophenol
Concen: 0.41 ng
RT: 15.854 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:330 Resp: 778

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.2	33.7	50.5

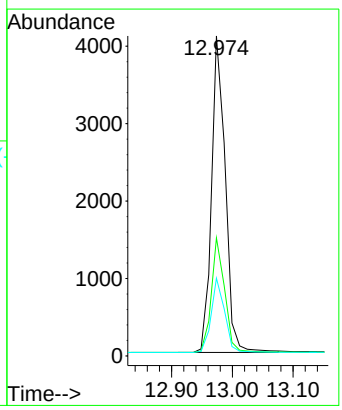




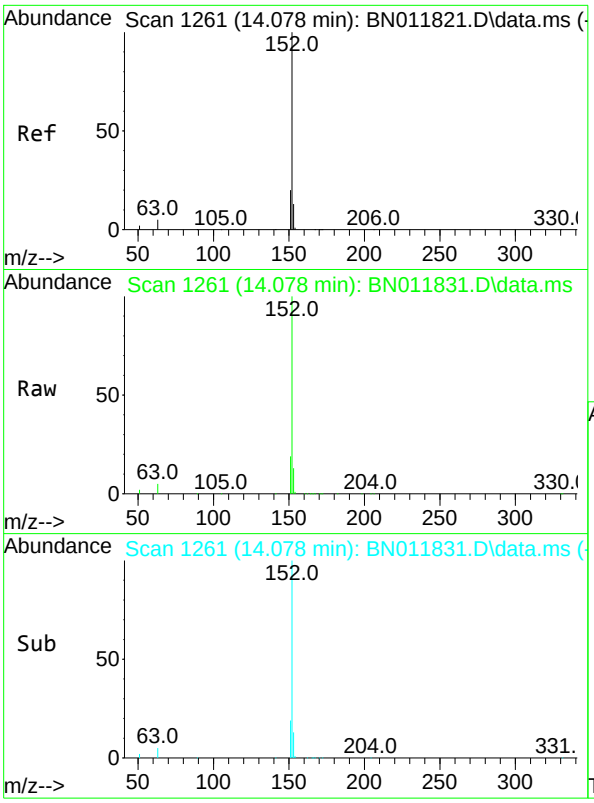
#15
2-Fluorobiphenyl
Concen: 0.40 ng
RT: 12.974 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:172 Resp: 6439

Ion	Ratio	Lower	Upper
172	100		
171	36.9	27.4	41.2
170	24.3	17.8	26.6



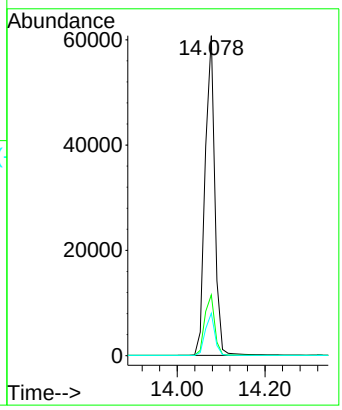
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

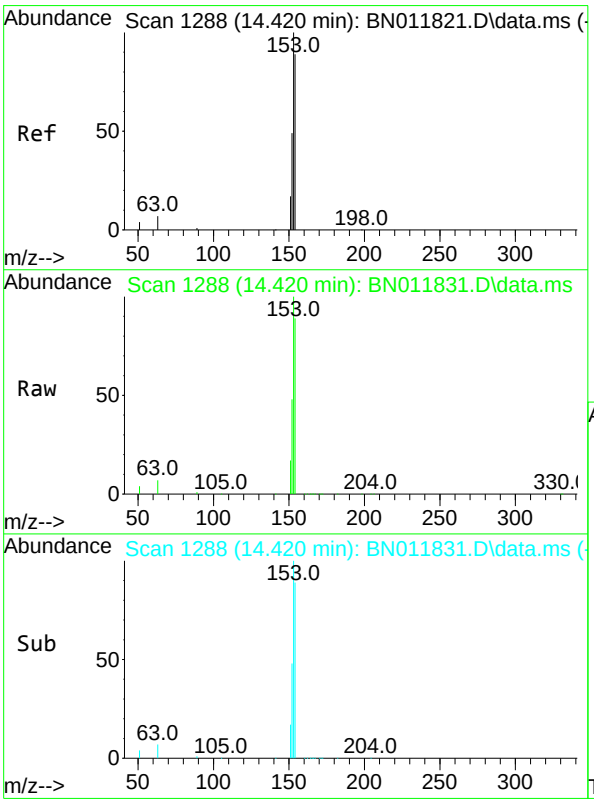


#16
Acenaphthylene
Concen: 5.14 ng
RT: 14.078 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:152 Resp: 93111

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.0	10.5	15.7

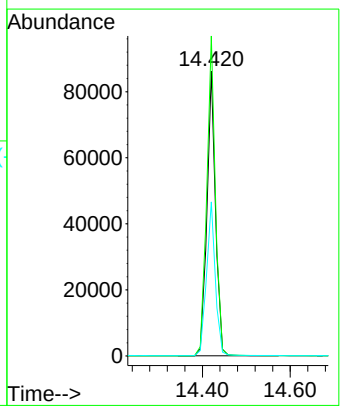




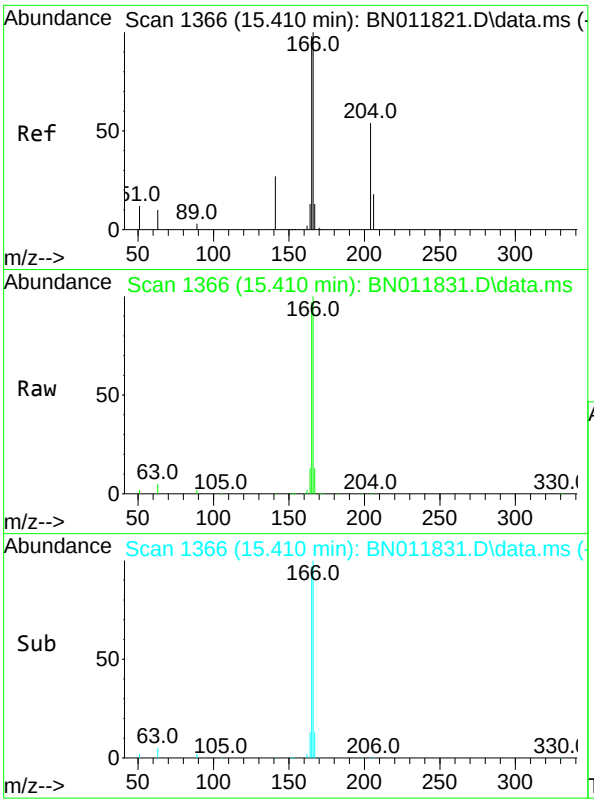
#17
Acenaphthene
Concen: 9.26 ng
RT: 14.420 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:154 Resp: 116658

Ion	Ratio	Lower	Upper
154	100		
153	113.2	83.4	125.2
152	55.7	42.8	64.2



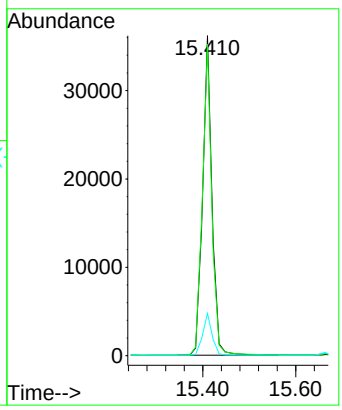
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

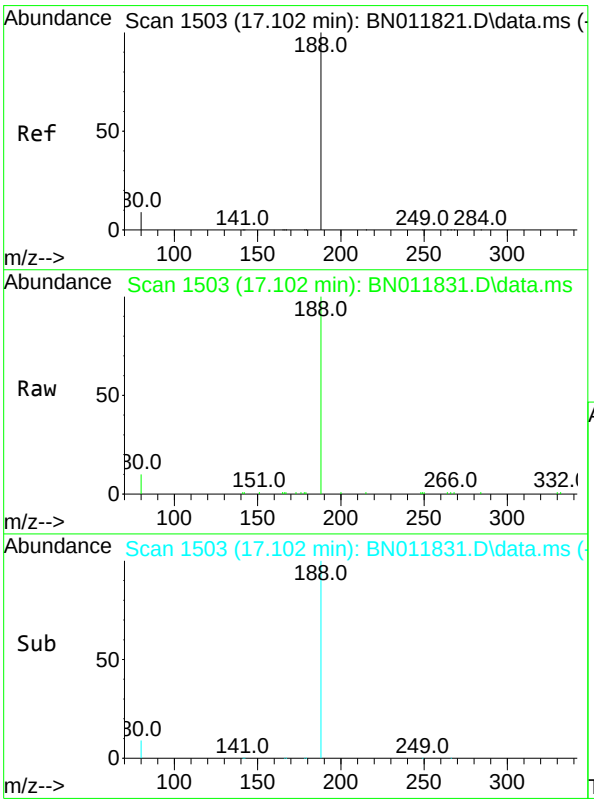


#18
Fluorene
Concen: 3.22 ng
RT: 15.410 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:166 Resp: 50671

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.8	118.2
167	13.2	11.2	16.8

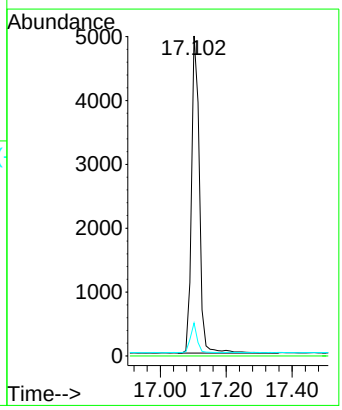




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.102 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:188 Resp: 8171

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	7.7	11.5



Instrument :
BNA_N
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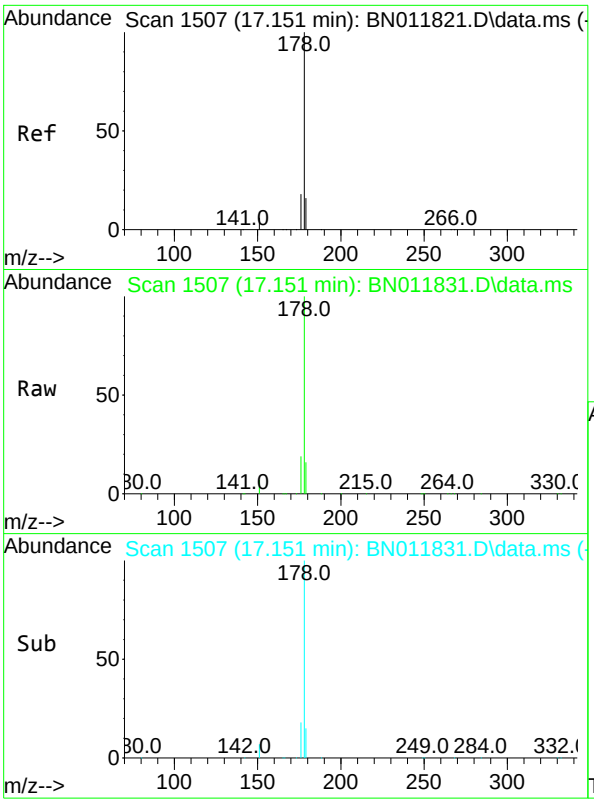
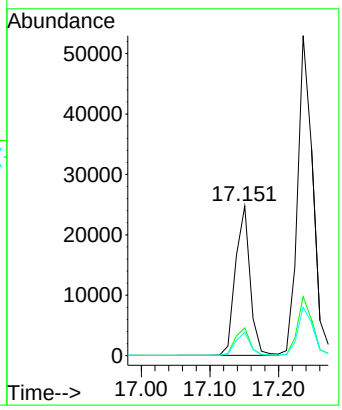
RR-PAH-WP

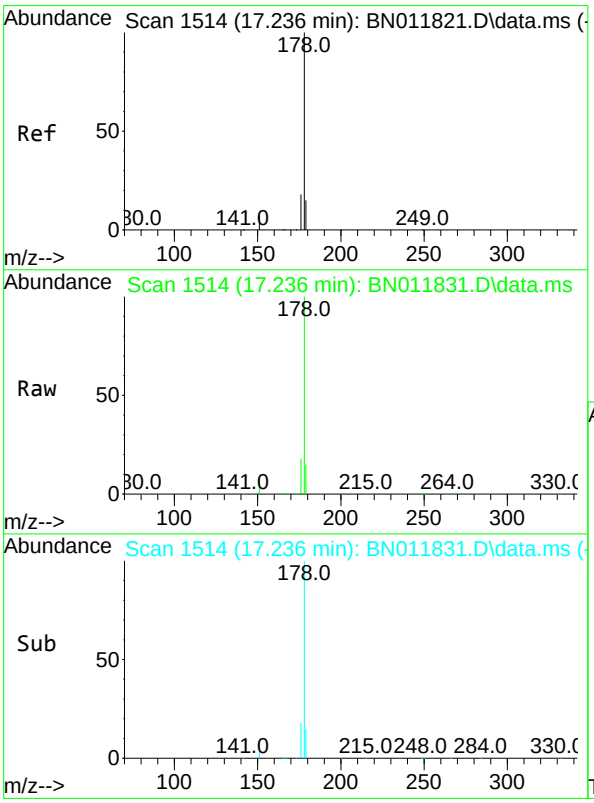


#25
Phenanthrene
Concen: 1.41 ng
RT: 17.151 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:178 Resp: 36565

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.3	12.3	18.5

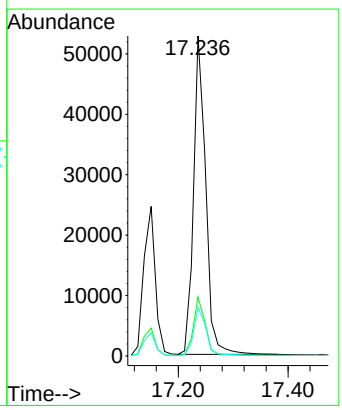


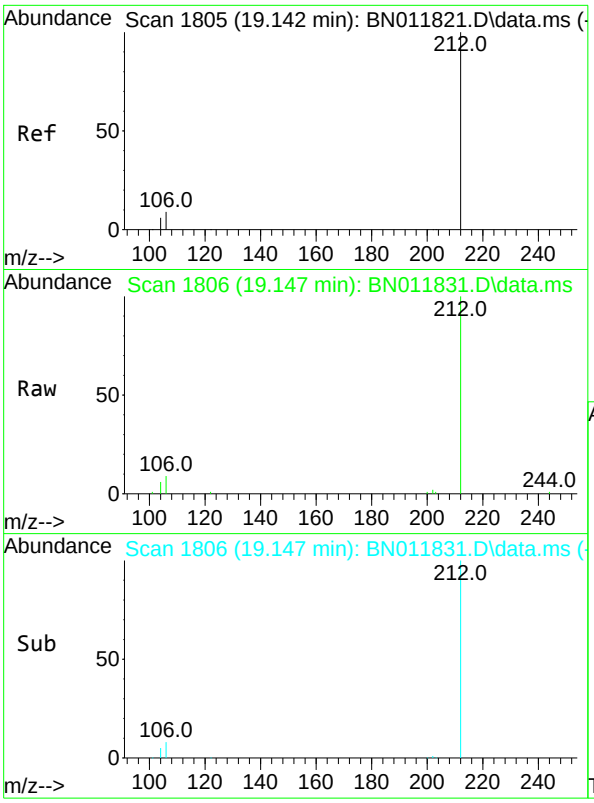


#26
Anthracene
Concen: 3.61 ng
RT: 17.236 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:178 Resp: 81126

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.6	21.8
179	15.3	12.4	18.6

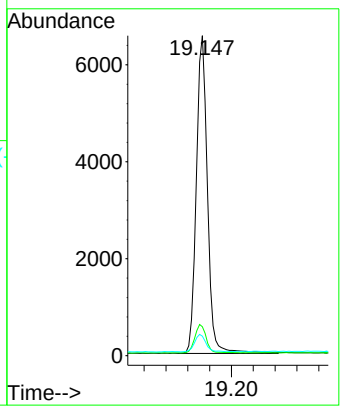




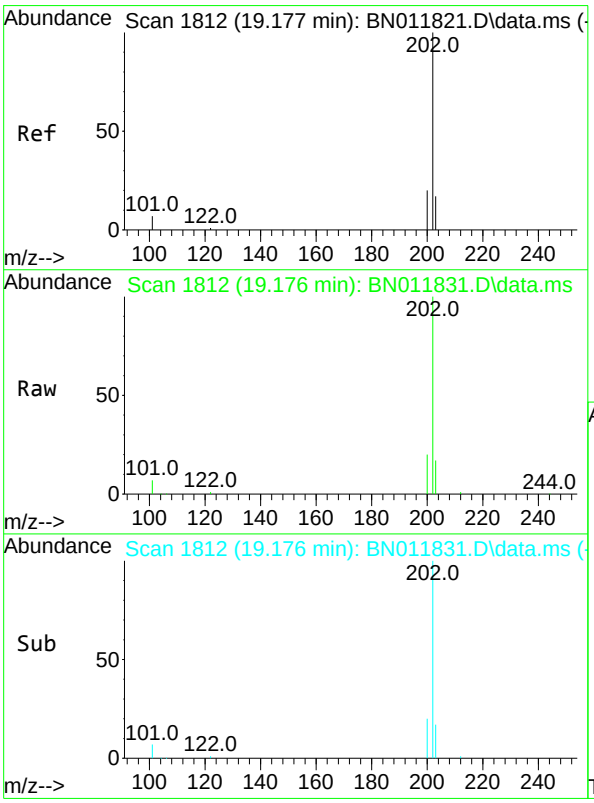
#27
Fluoranthene-d10
Concen: 0.36 ng
RT: 19.147 min Scan# 1806
Delta R.T. 0.005 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:212 Resp: 9272

Ion	Ratio	Lower	Upper
212	100		
106	9.2	6.4	9.6
104	5.5	3.9	5.9



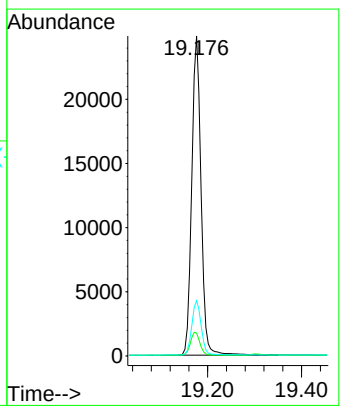
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP



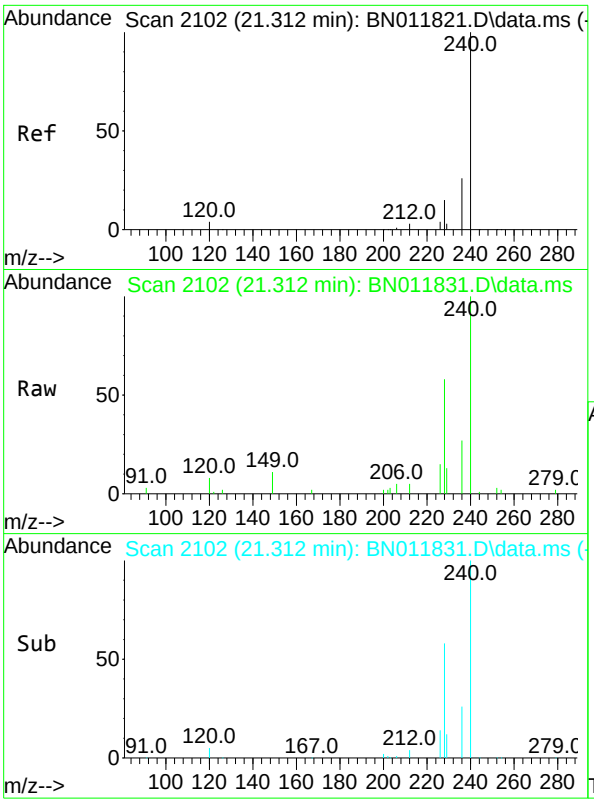
#28
Fluoranthene
Concen: 1.13 ng
RT: 19.176 min Scan# 1812
Delta R.T. 0.005 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:202 Resp: 34266

Ion	Ratio	Lower	Upper
202	100		
101	7.4	5.4	8.2
203	17.0	13.8	20.6



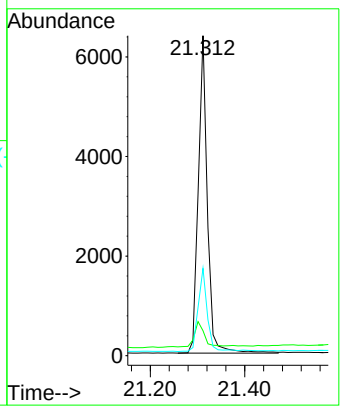
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

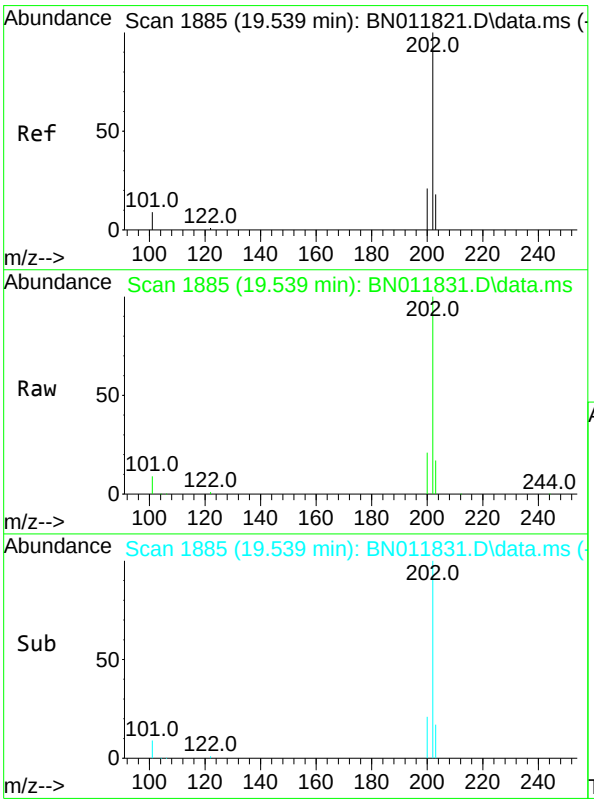


#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.312 min Scan# 2102
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:240 Resp: 8515

Ion	Ratio	Lower	Upper
240	100		
120	7.8	3.5	5.3#
236	27.3	20.5	30.7

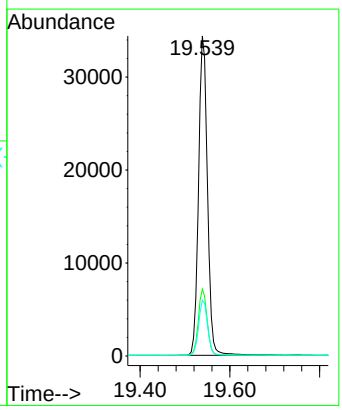




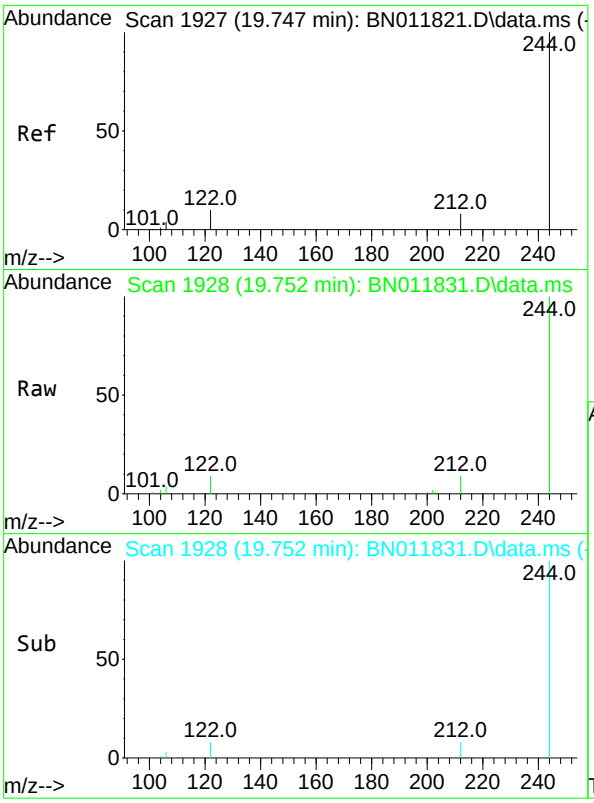
#30
Pyrene
Concen: 1.60 ng
RT: 19.539 min Scan# 1885
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:202 Resp: 47491

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.3	13.9	20.9



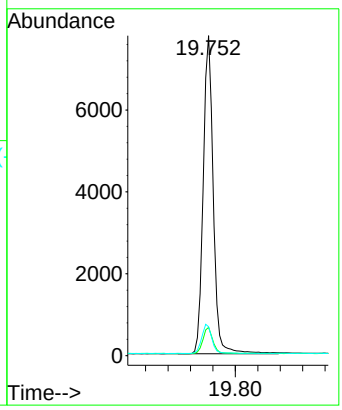
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

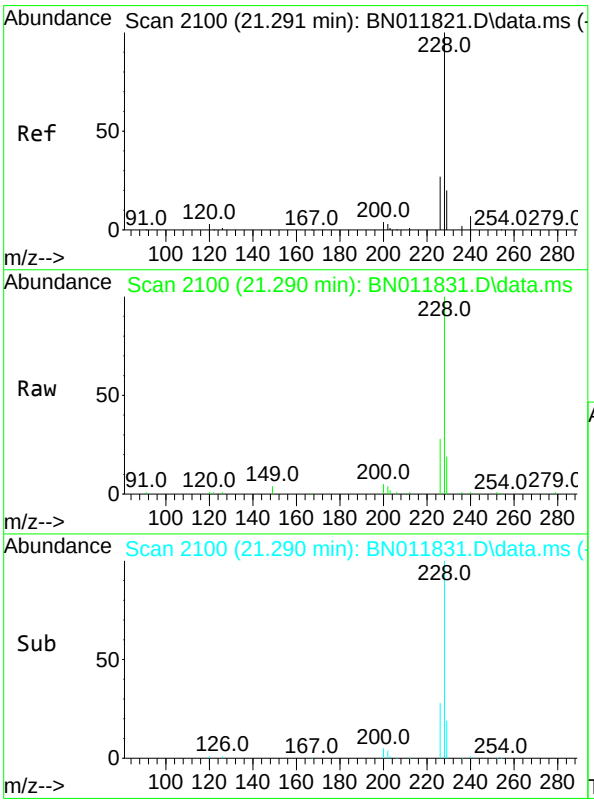


#31
Terphenyl-d14
Concen: 0.50 ng
RT: 19.752 min Scan# 1928
Delta R.T. 0.005 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:244 Resp: 9692

Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.3	10.9
122	9.0	7.8	11.6

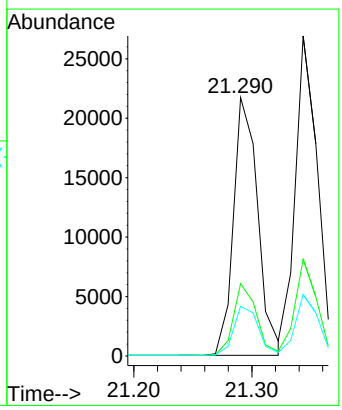




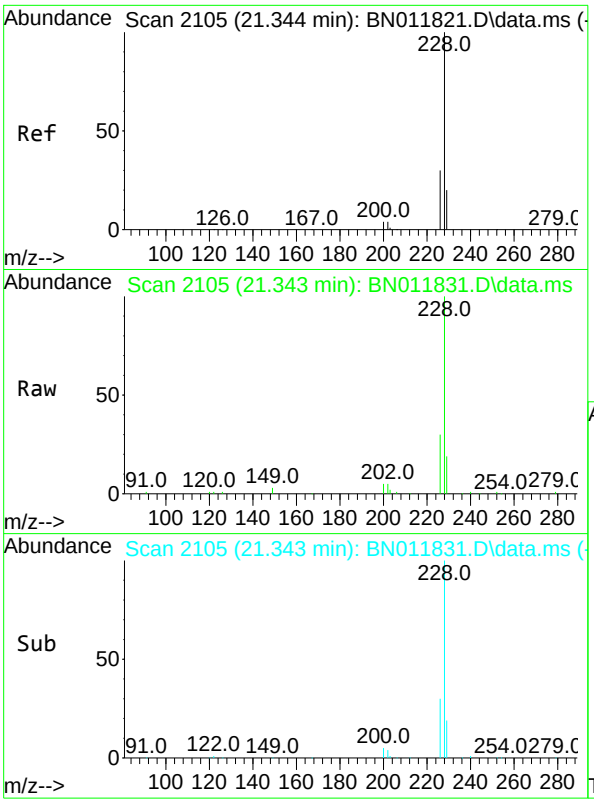
#32
Benzo(a)anthracene
Concen: 1.08 ng
RT: 21.290 min Scan# 2100
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:228 Resp: 31109

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.0	31.4
229	19.2	16.0	24.0



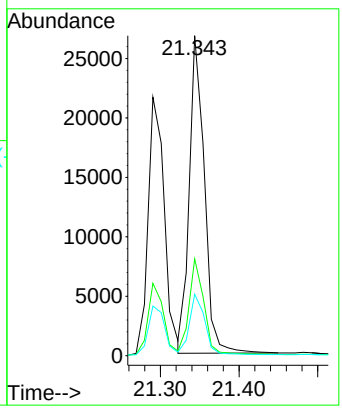
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

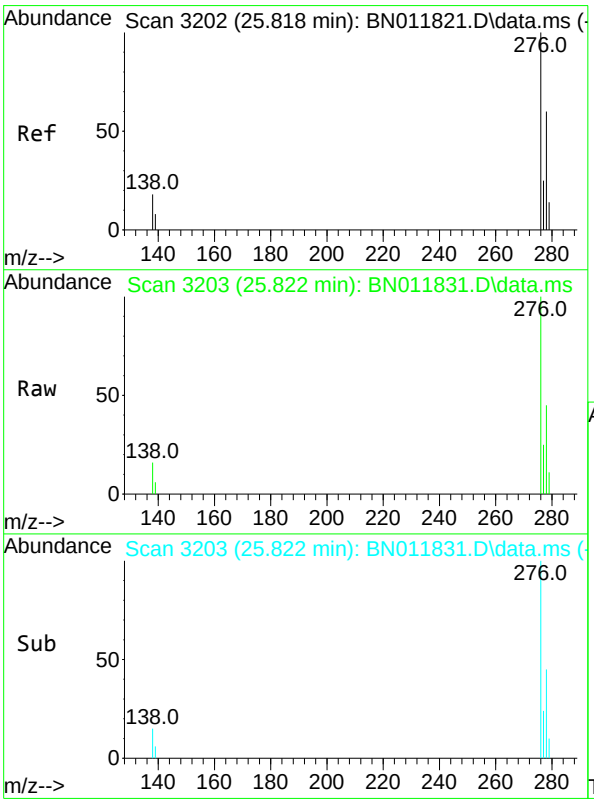


#33
Chrysene
Concen: 1.20 ng
RT: 21.343 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:228 Resp: 35547

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.3	34.9
229	19.2	15.8	23.8

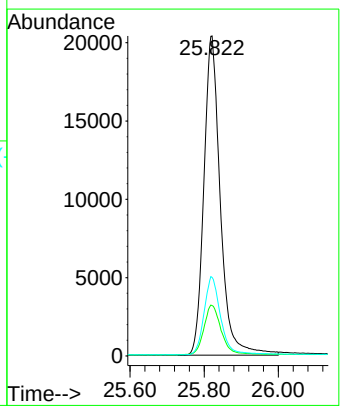




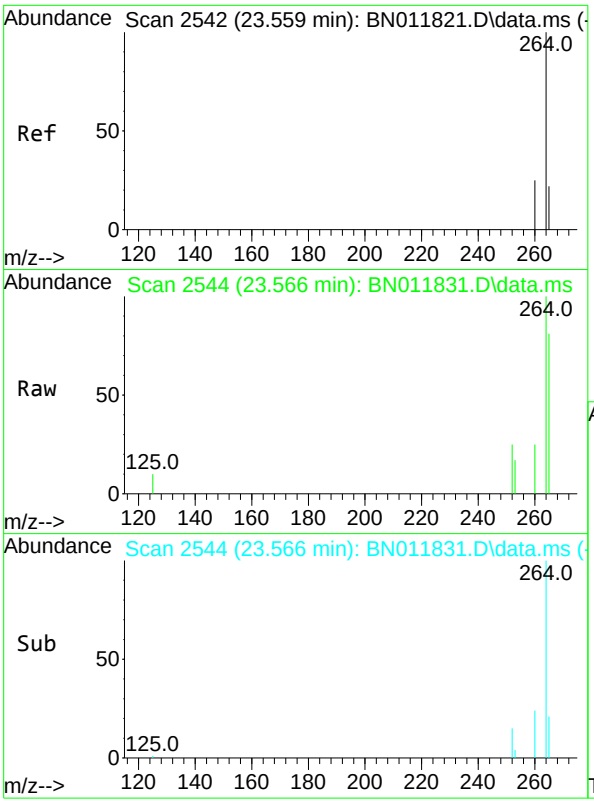
#35
Indeno(1,2,3-cd)pyrene
Concen: 1.70 ng
RT: 25.822 min Scan# 3203
Delta R.T. 0.007 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:276 Resp: 62915

Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.0	19.4
277	24.7	20.0	30.0



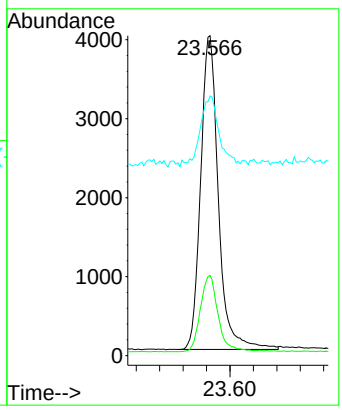
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

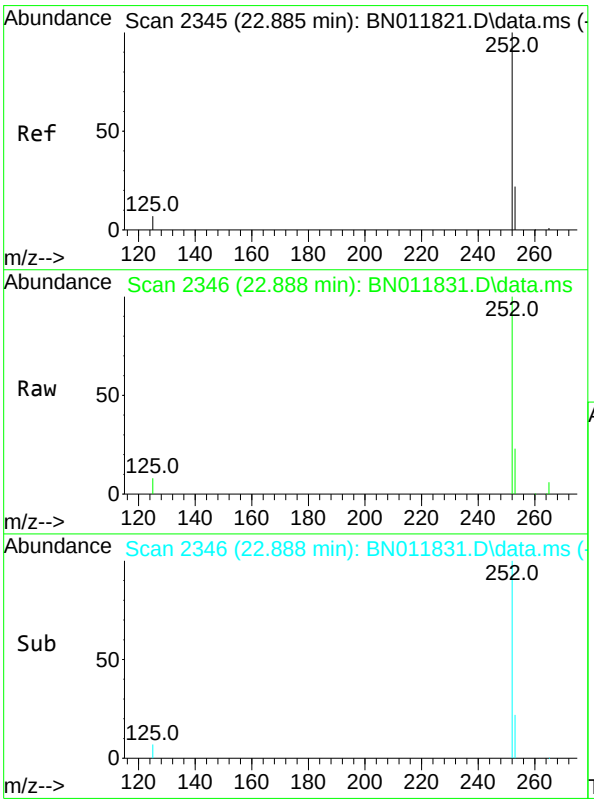


#36
Perylene-d12
Concen: 0.40 ng
RT: 23.566 min Scan# 2544
Delta R.T. 0.007 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:264 Resp: 8352

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.6	29.4
265	81.2	38.6	58.0#

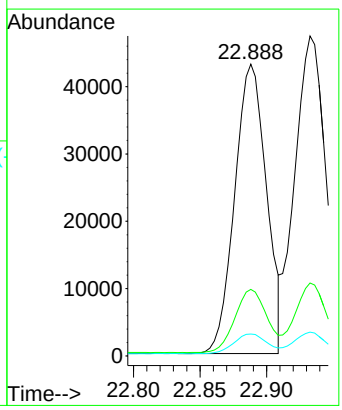




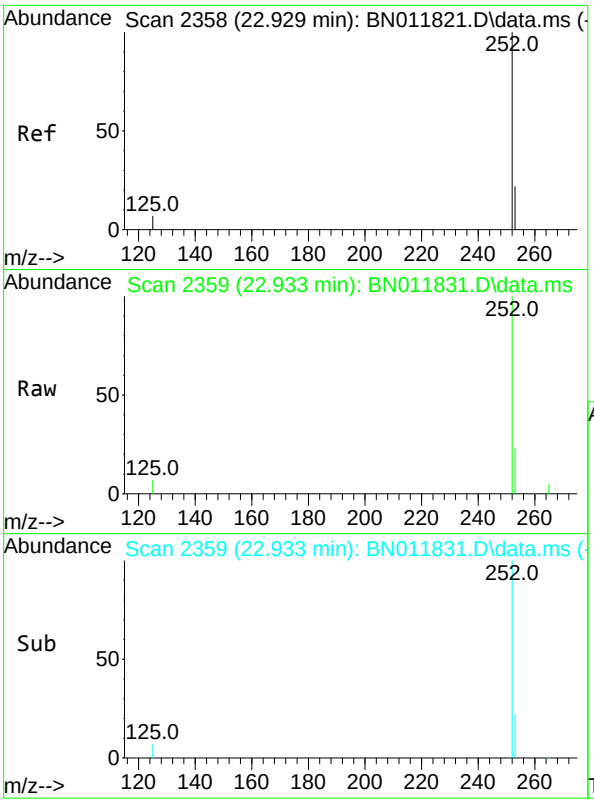
#37
Benzo(b)fluoranthene
Concen: 2.29 ng
RT: 22.888 min Scan# 2346
Delta R.T. 0.003 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:252 Resp: 71213

Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.1	28.7
125	7.5	6.2	9.2



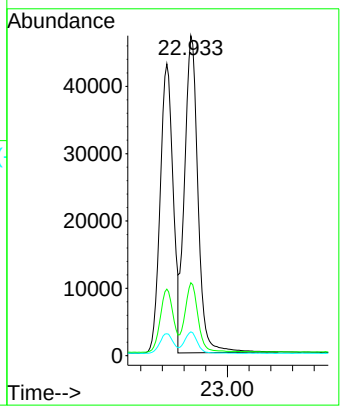
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

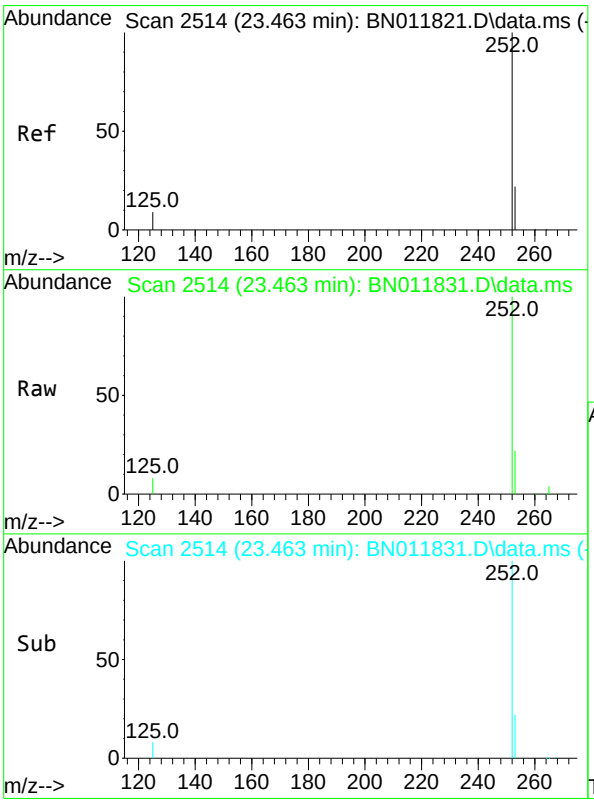


#38
Benzo(k)fluoranthene
Concen: 2.51 ng
RT: 22.933 min Scan# 2359
Delta R.T. 0.007 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:252 Resp: 80917

Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.3	28.9
125	7.4	6.0	9.0

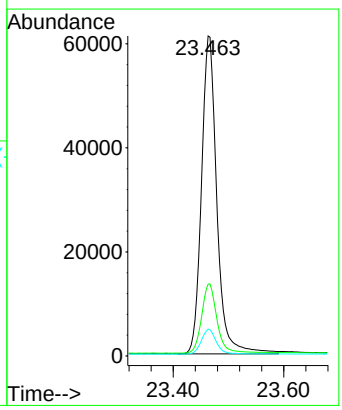




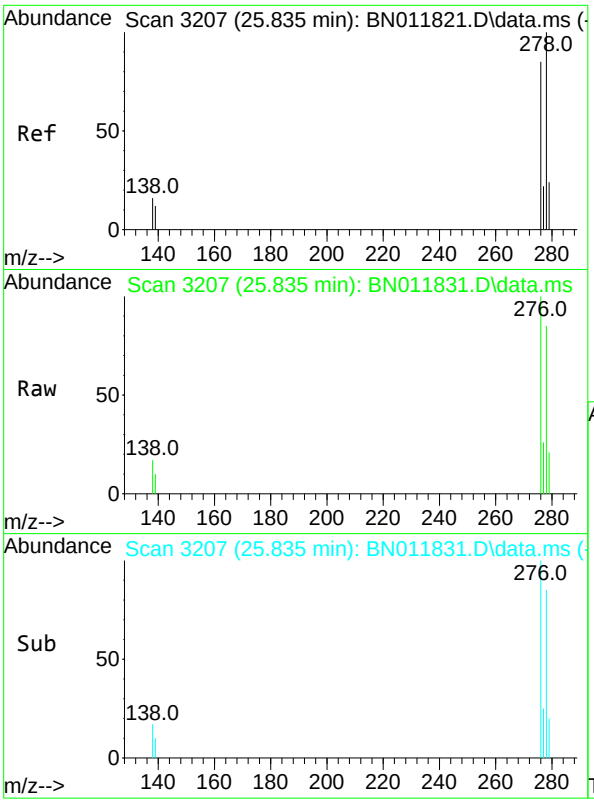
#39
Benzo(a)pyrene
Concen: 4.26 ng
RT: 23.463 min Scan# 2514
Delta R.T. 0.003 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:252 Resp: 118107

Ion	Ratio	Lower	Upper
252	100		
253	22.5	19.8	29.6
125	8.4	7.3	10.9



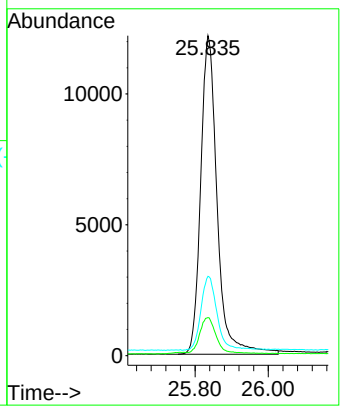
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WP

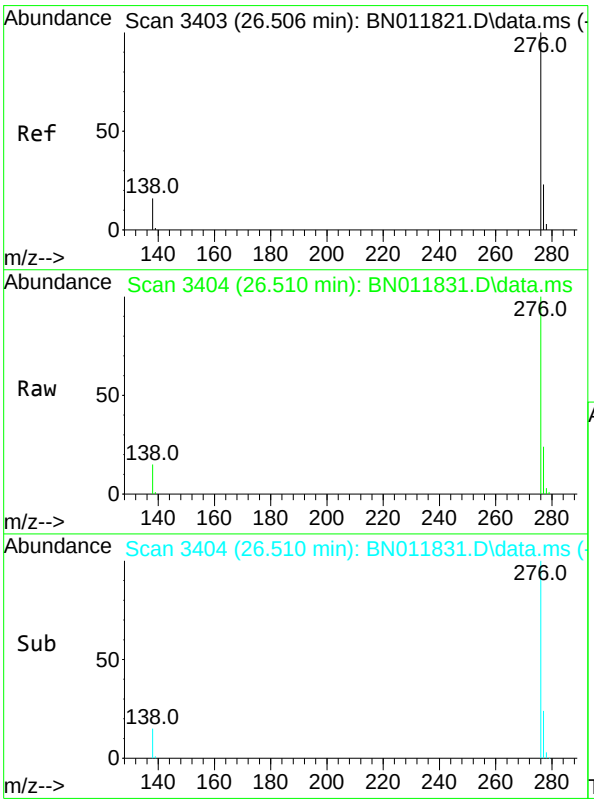


#40
Dibenzo(a,h)anthracene
Concen: 1.24 ng
RT: 25.835 min Scan# 3207
Delta R.T. 0.003 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:278 Resp: 37944

Ion	Ratio	Lower	Upper
278	100		
139	11.9	8.6	13.0
279	24.8	19.8	29.8





#41
Benzo(g,h,i)perylene
Concen: 4.05 ng
RT: 26.510 min Scan# 3404
Delta R.T. 0.003 min
Lab File: BN011831.D
Acq: 18 Sep 2020 10:53

Tgt Ion:276 Resp: 132092

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	14.7	11.3	16.9