Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011620\
Data File : BN009386.D
Acq On : 16 Jan 2020 15:59
Operator : JU
Sample : K3591-03
Misc : MDL-MDL-S-0.1NG
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Jan 16 16:37:45 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 09:33:55 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1606	0.40	ng		0.00
7) Naphthalene-d8	10.24	136	5459	0.40	ng		0.01
13) Acenaphthene-d10	14.11	164	3475	0.40	ng		0.00
19) Phenanthrene-d10	16.86	188	7660	0.40	ng		0.00
27) Chrysene-d12	21.07	240	6514	0.40	ng		0.00
34) Perylene-d12	23.19	264	6664	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.12	112	1448	0.39	ng		0.00
5) Phenol-d6	6.69	99	1657	0.39	ng		0.00
8) Nitrobenzene-d5	8.64	82	1448	0.33	ng		0.01
11) 2-Methylnaphthalene-d10	11.84	152	3218	0.31	ng		0.00
14) 2,4,6-Tribromophenol	15.62	330	432	0.33	ng		0.00
15) 2-Fluorobiphenyl	12.74	172	4663	0.36	ng		0.01
25) Fluoranthene-d10	18.90	212	7962	0.30	ng		0.00
29) Terphenyl-d14	19.51	244	6307	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.14	88	149	0.089	ng	#	85
3) n-Nitrosodimethylamine	3.46	42	17	0.007	ng	#	23
6) bis(2-Chloroethyl)ether	6.94	93	357	0.081	ng		88
9) Naphthalene	10.28	128	1325	0.090	ng	#	83
10) Hexachlorobutadiene	10.57	225	268	0.083	ng	#	100
12) 2-Methylnaphthalene	11.92	142	888	0.086	ng	#	95
16) Acenaphthylene	13.83	152	1173	0.078	ng		98
17) Acenaphthene	14.18	154	877	0.083	ng		97
18) Fluorene	15.18	166	1125	0.082	ng		98
20) 4-Bromophenyl-phenylether	16.08	248	363	0.079	ng		93
21) Hexachlorobenzene	16.17	284	394	0.080	ng		95
22) Pentachlorophenol	16.56	266	260	0.189	ng		98
23) Phenanthrene	16.91	178	1876	0.082	ng		99
24) Anthracene	17.01	178	1469	0.076	ng		99
26) Fluoranthene	18.93	202	2228	0.083	ng		99
28) Pyrene	19.30	202	2258	0.091	ng		100
30) Benzo(a)anthracene	21.10	228	2281	0.107	ng		93
31) Chrysene	21.10	228	2296	0.094	ng		95
32) Bis(2-ethylhexyl)phthalate	21.01	149	936	0.099	ng		93
33) Indeno(1,2,3-cd)pyrene	25.28	276	2101	0.082	ng	#	93
35) Benzo(b)fluoranthene	22.57	252	1870	0.076	ng	#	61
36) Benzo(k)fluoranthene	22.61	252	2368	0.088	ng	#	64
37) Benzo(a)pyrene	23.11	252	1875	0.087	ng	#	3
38) Dibenzo(a,h)anthracene	25.30	278	1625	0.075	ng	#	59
39) Benzo(g,h,i)perylene	25.91	276	1947	0.082	ng	#	87

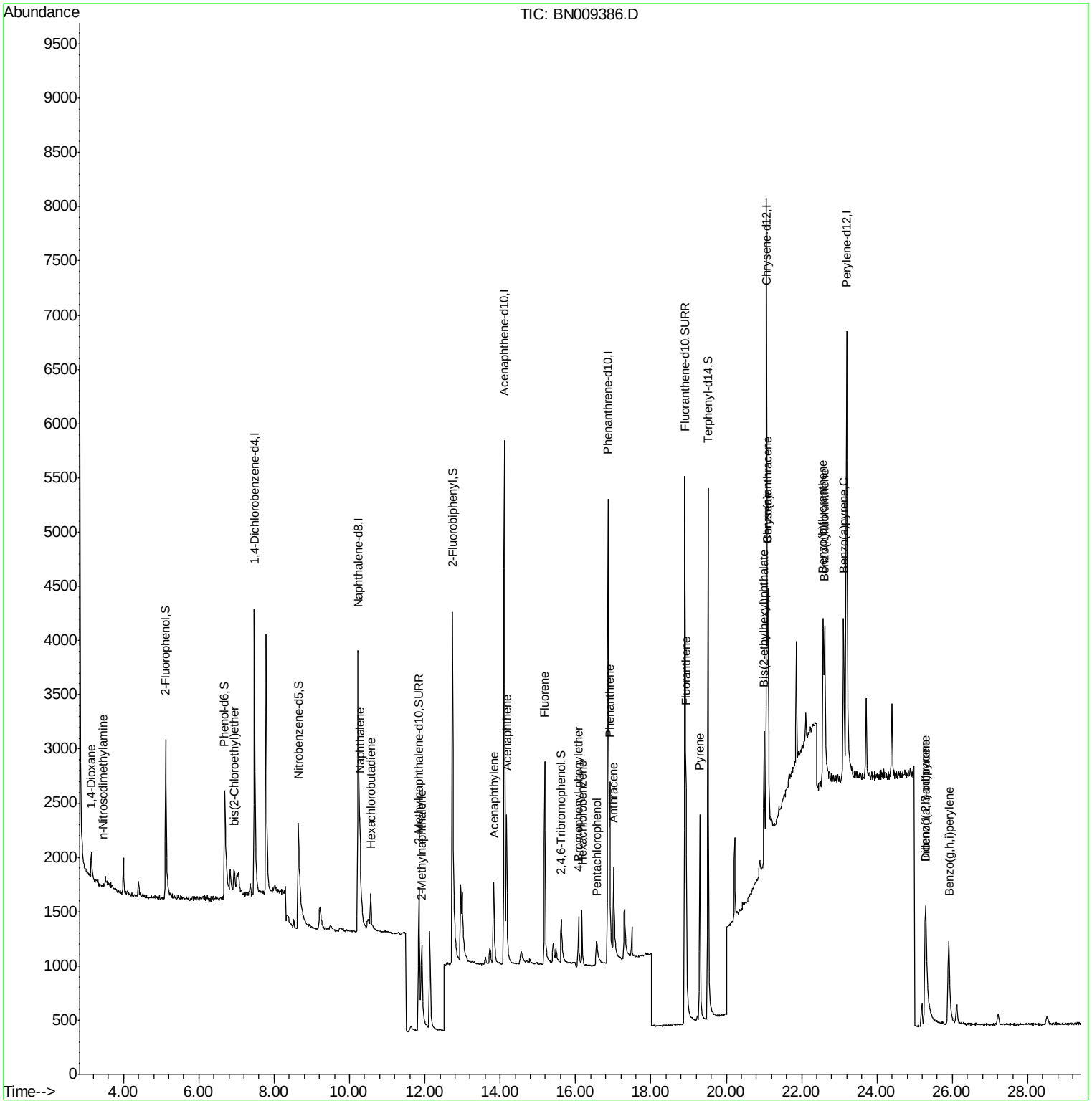
(#) = qualifier out of range (m) = manual integration (+) = signals summed

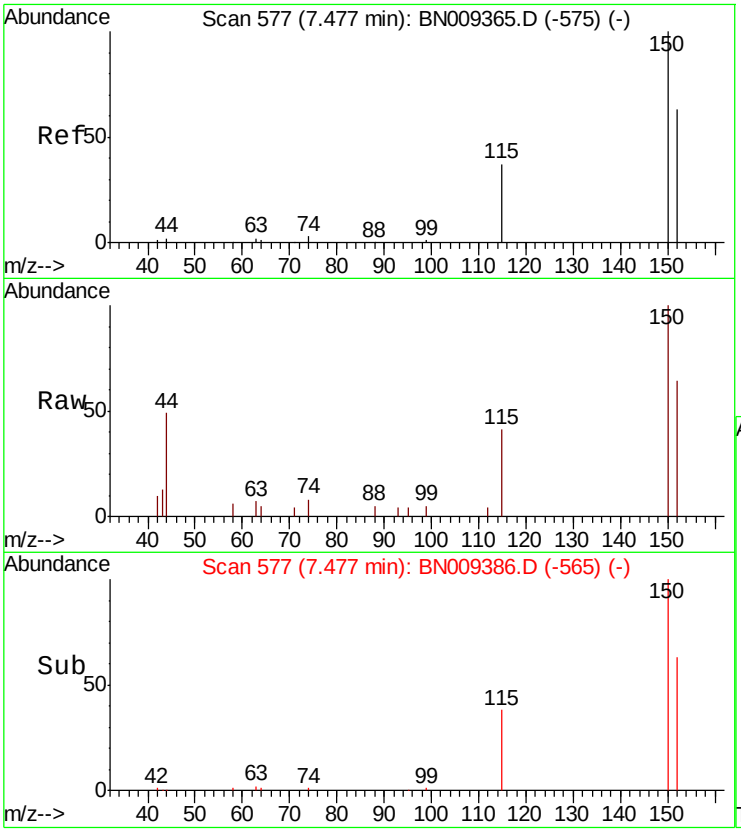
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN011620\
Data File : BN009386.D
Acq On : 16 Jan 2020 15:59
Operator : JU
Sample : K3591-03
Misc : MDL-MDL-S-0.1NG
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Jan 16 16:37:45 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 09:33:55 2020
Response via : Initial Calibration



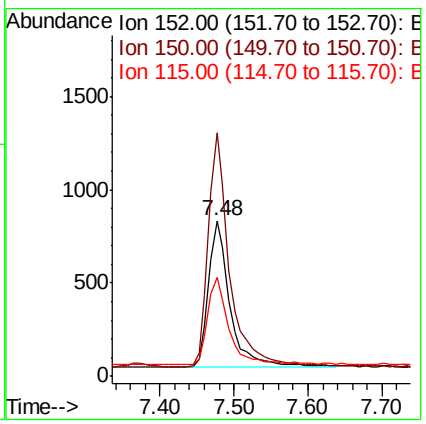


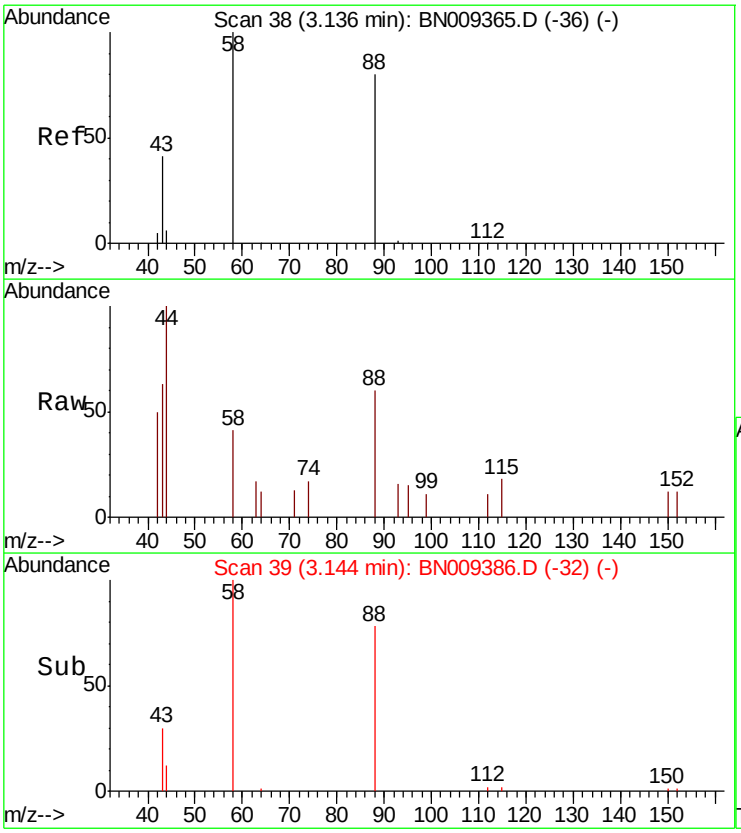
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 1606

Ion	Ratio	Lower	Upper
152	100		
150	156.3	125.7	188.5
115	63.5	53.3	79.9

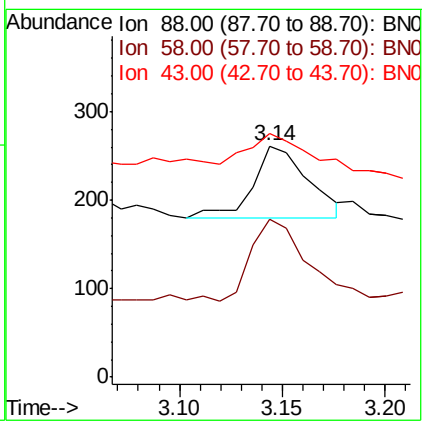


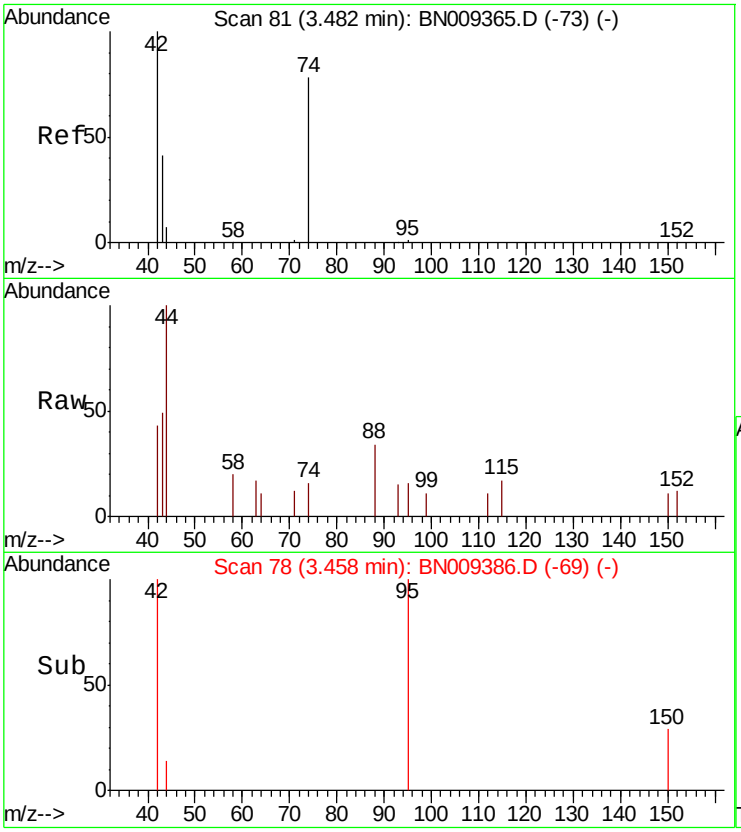


#2
1,4-Dioxane
Concen: 0.089 ng
RT: 3.14 min Scan# 39
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion: 88 Resp: 149

Ion	Ratio	Lower	Upper
88	100		
58	111.4	100.2	150.2
43	37.6	43.1	64.7#



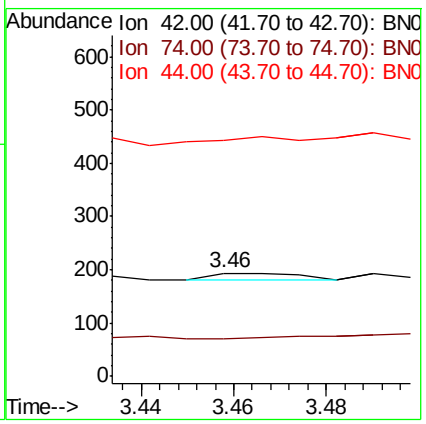


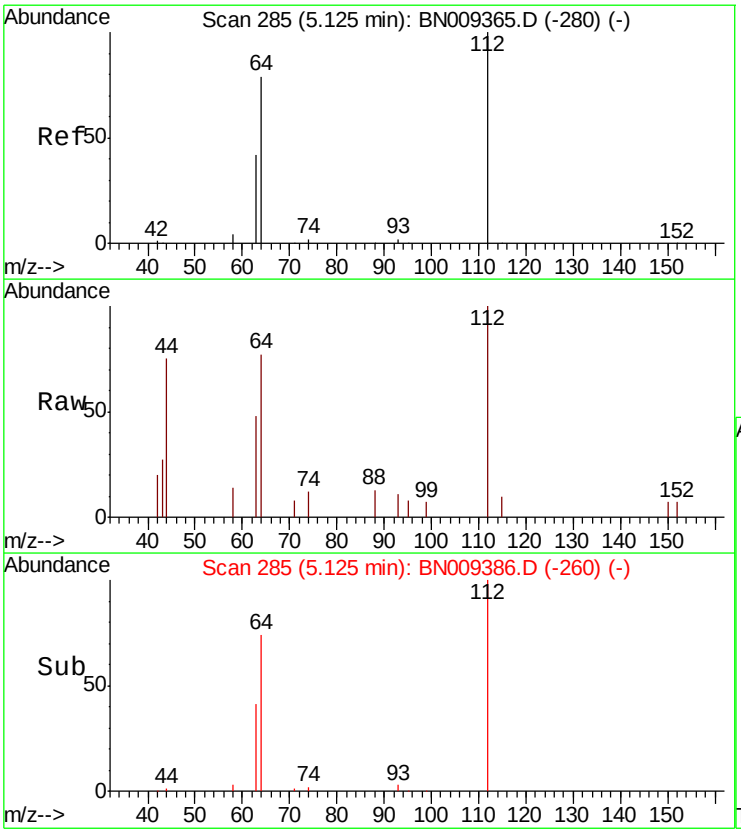
#3
n-Nitrosodimethylamine
Concen: 0.007 ng
RT: 3.46 min Scan# 78
Delta R.T. -0.02 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 17

Ion	Ratio	Lower	Upper
42	100		
74	0.0	55.8	83.8#
44	0.0	11.1	16.7#

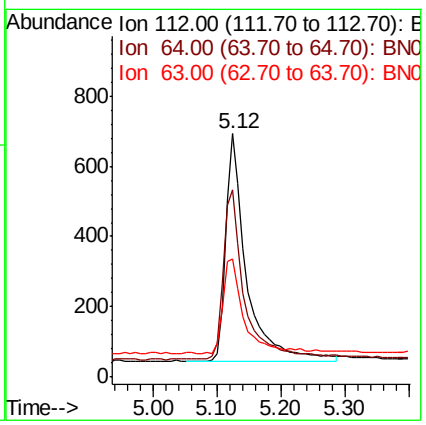


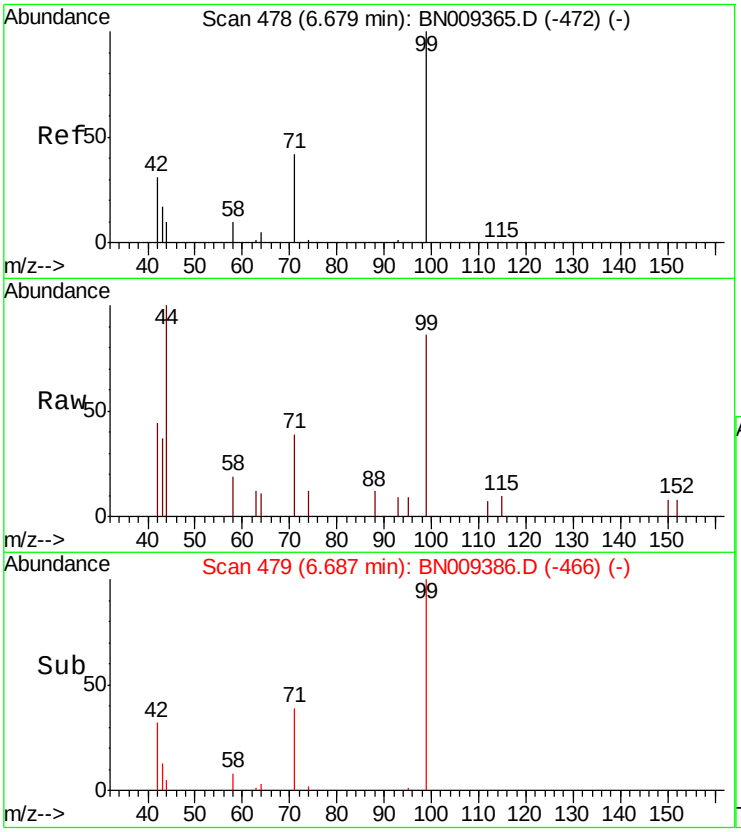


#4
2-Fluorophenol
Concen: 0.392 ng
RT: 5.12 min Scan# 285
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:112 Resp: 1448

Ion	Ratio	Lower	Upper
112	100		
64	75.0	61.5	92.3
63	39.8	35.0	52.4



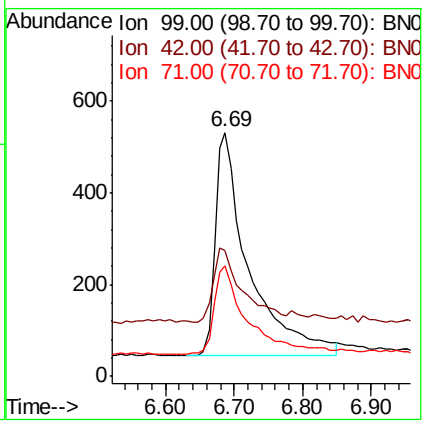


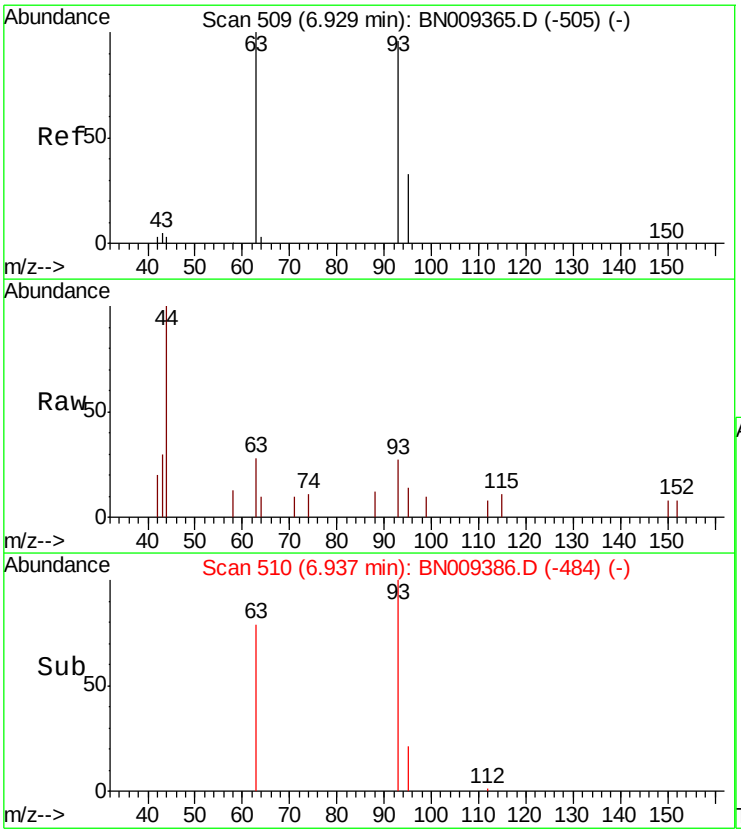
#5
Phenol-d6
Concen: 0.387 ng
RT: 6.69 min Scan# 479
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 1657

Ion	Ratio	Lower	Upper
99	100		
42	28.8	27.6	41.4
71	39.1	33.0	49.6

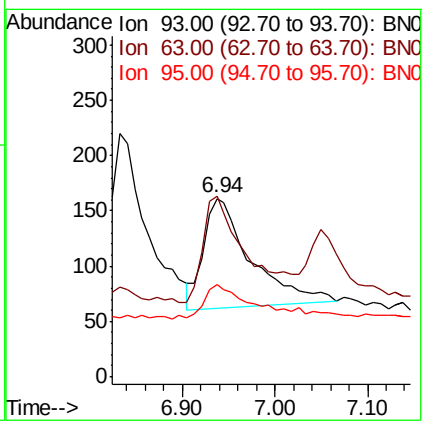


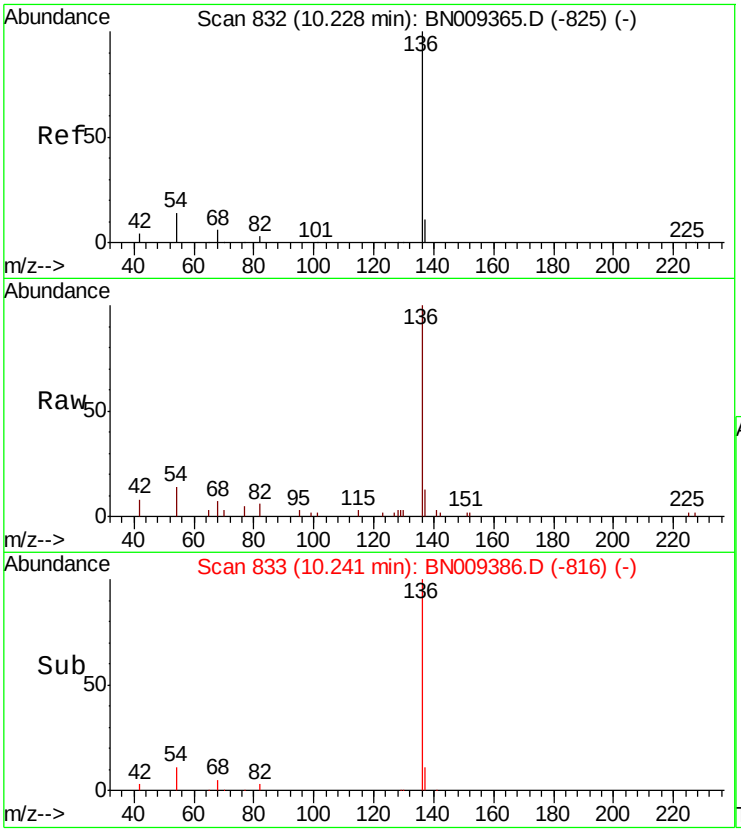


#6
bis(2-Chloroethyl)ether
Concen: 0.081 ng
RT: 6.94 min Scan# 510
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion: 93 Resp: 357

Ion	Ratio	Lower	Upper
93	100		
63	89.9	85.1	127.7
95	37.0	30.2	45.4



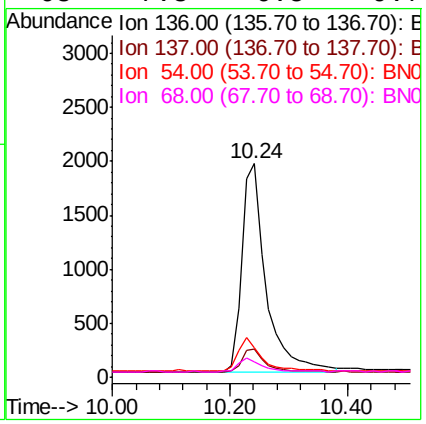


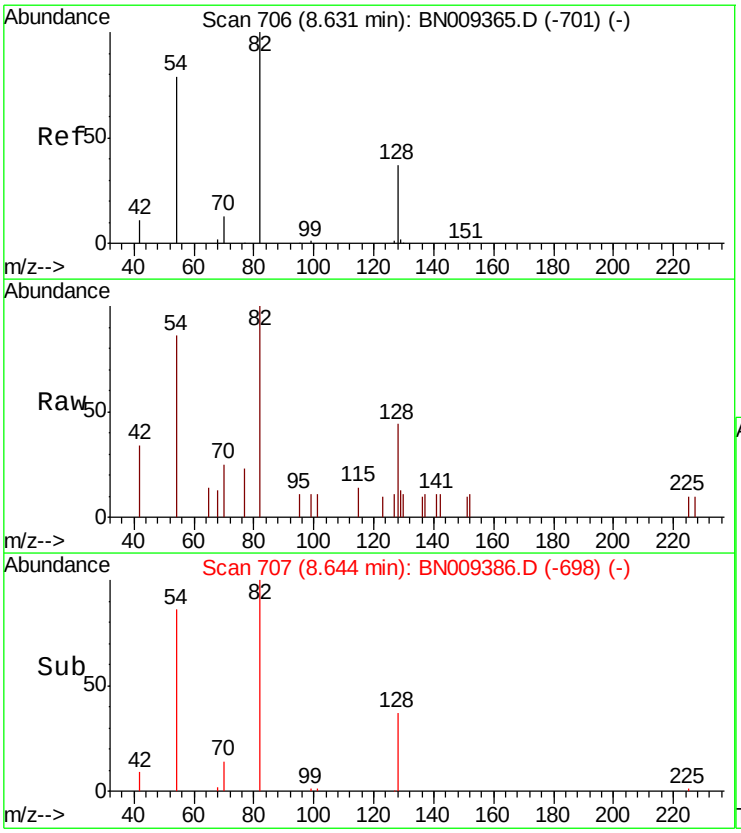
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.24 min Scan# 833
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 5459

Ion	Ratio	Lower	Upper
136	100		
137	13.0	10.3	15.5
54	13.5	12.6	19.0
68	7.3	6.5	9.7

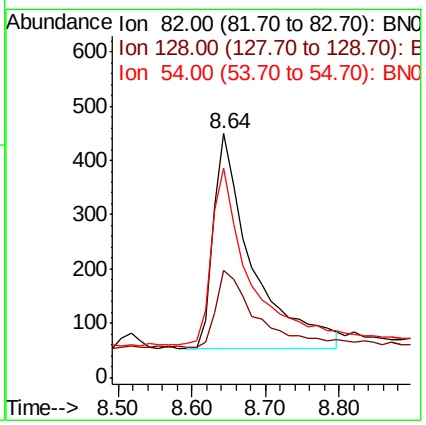


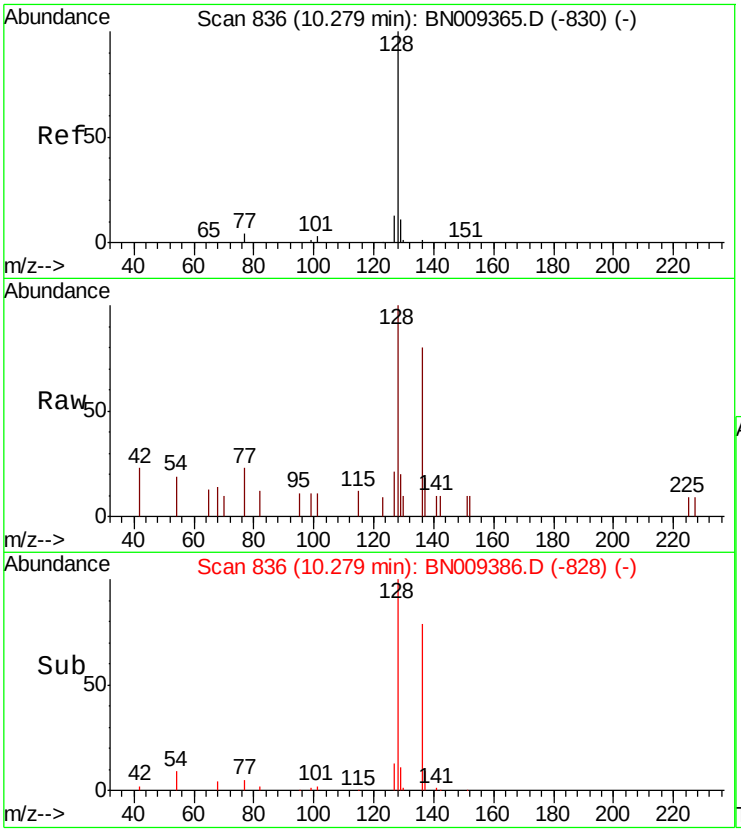


#8
Nitrobenzene-d5
Concen: 0.333 ng
RT: 8.64 min Scan# 707
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion: 82 Resp: 1448

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.8	52.2
54	86.2	65.8	98.6



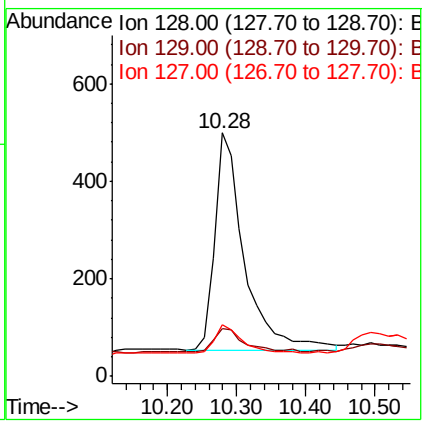


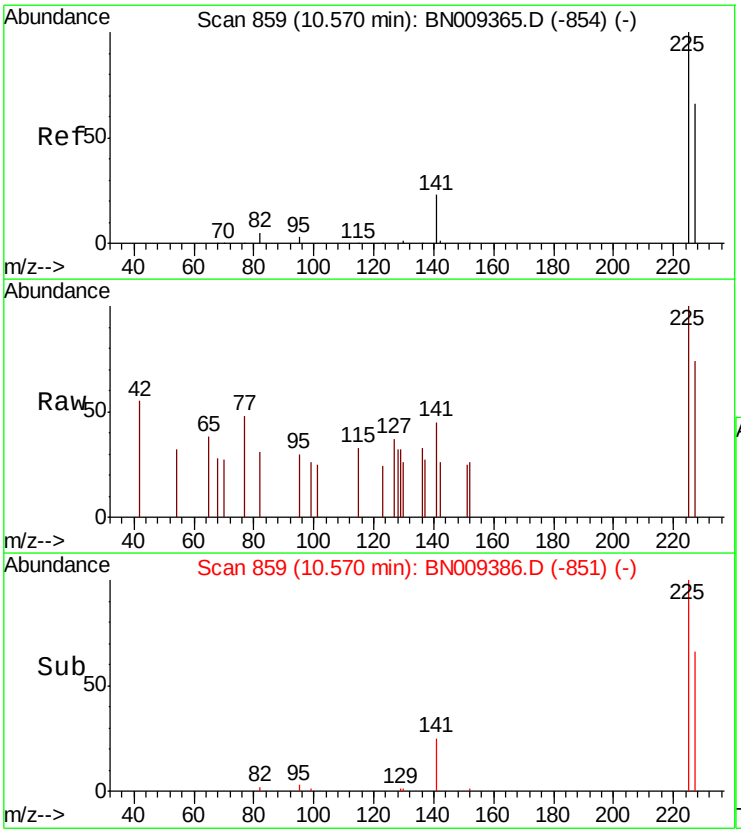
#9
Naphthalene
Concen: 0.090 ng
RT: 10.28 min Scan# 836
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 1325

Ion	Ratio	Lower	Upper
128	100		
129	19.8	10.4	15.6#
127	21.2	11.4	17.2#

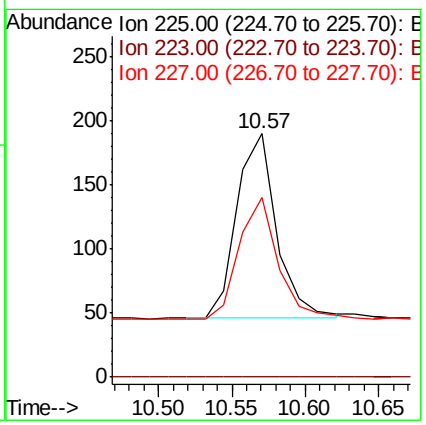


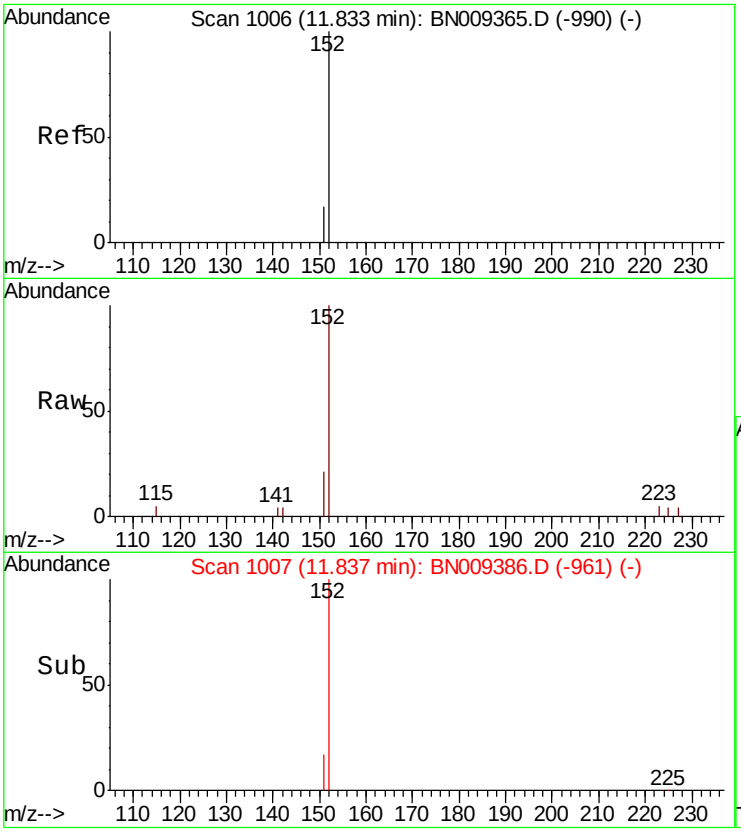


#10
Hexachlorobutadiene
Concen: 0.083 ng
RT: 10.57 min Scan# 859
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:225 Resp: 268

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.7	52.6	78.8



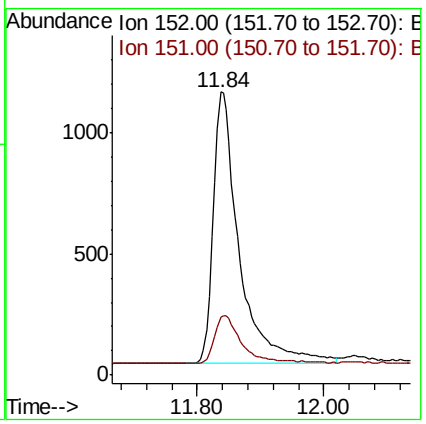


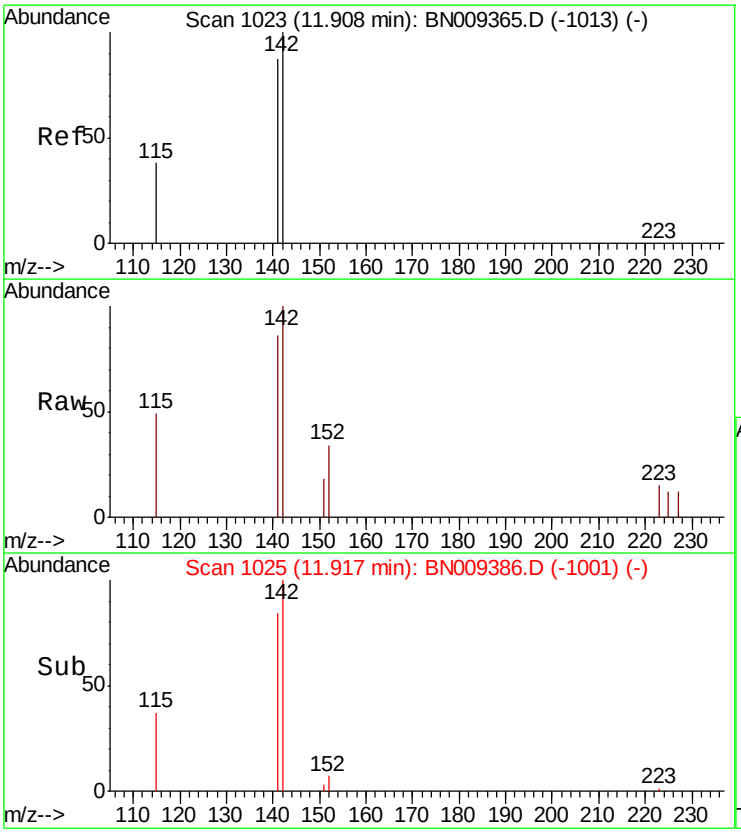
#11
2-Methylnaphthalene-d10
Concen: 0.305 ng
RT: 11.84 min Scan# 1007
Delta R.T. 0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 3218

Ion	Ratio	Lower	Upper
152	100		
151	18.6	14.8	22.2

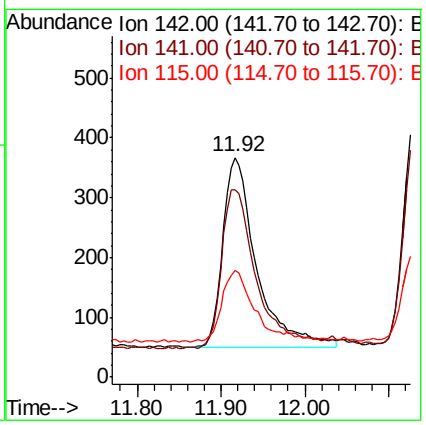


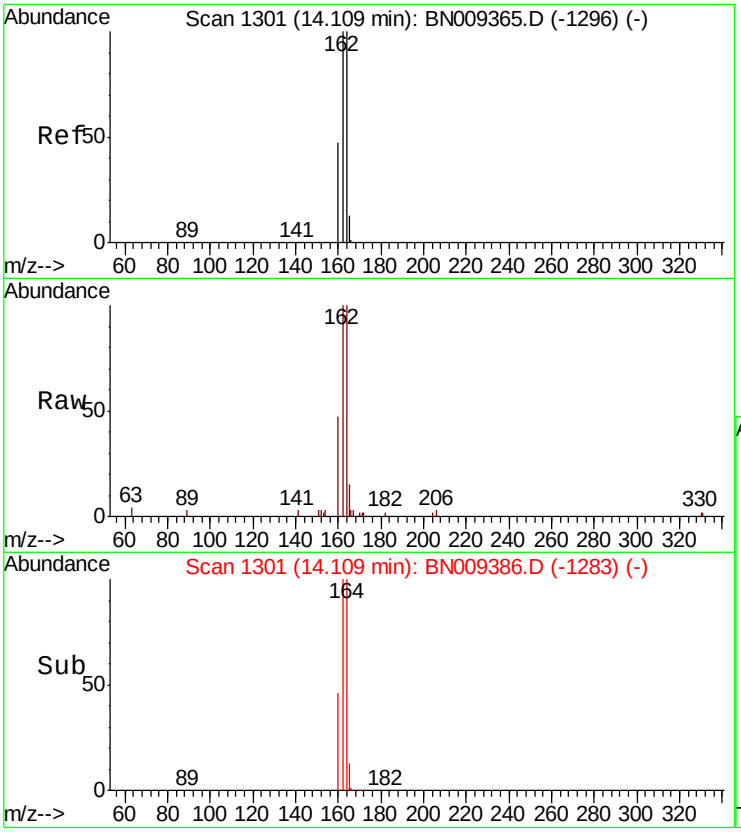


#12
2-Methylnaphthalene
Concen: 0.086 ng
RT: 11.92 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:142 Resp: 888

Ion	Ratio	Lower	Upper
142	100		
141	85.6	69.8	104.6
115	48.8	32.5	48.7#



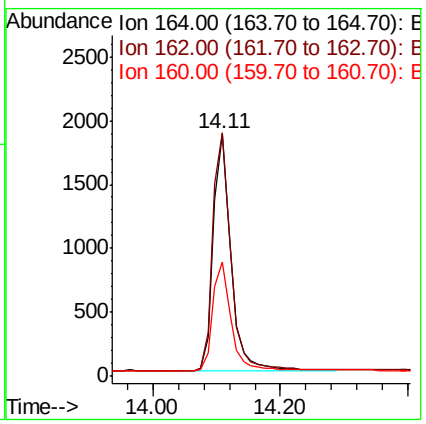


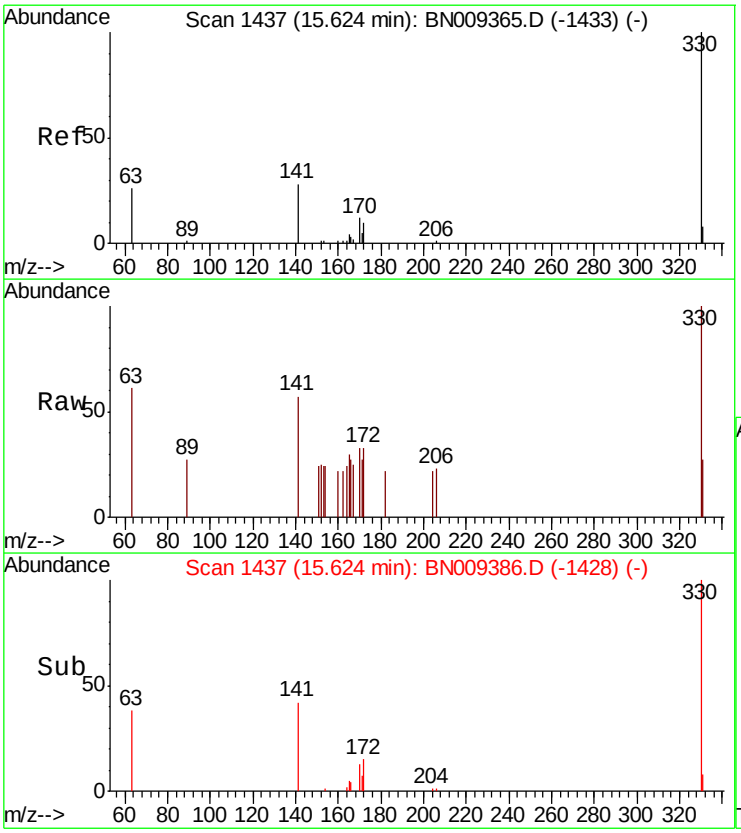
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.11 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 3475

Ion	Ratio	Lower	Upper
164	100		
162	100.2	79.8	119.6
160	47.3	38.4	57.6

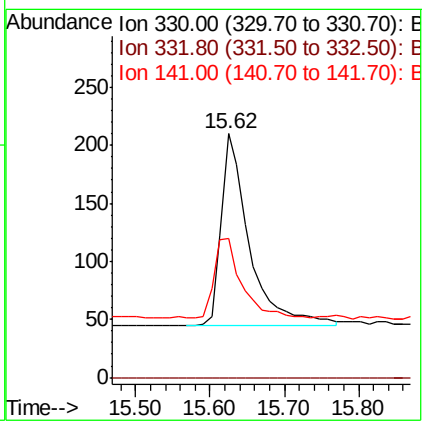


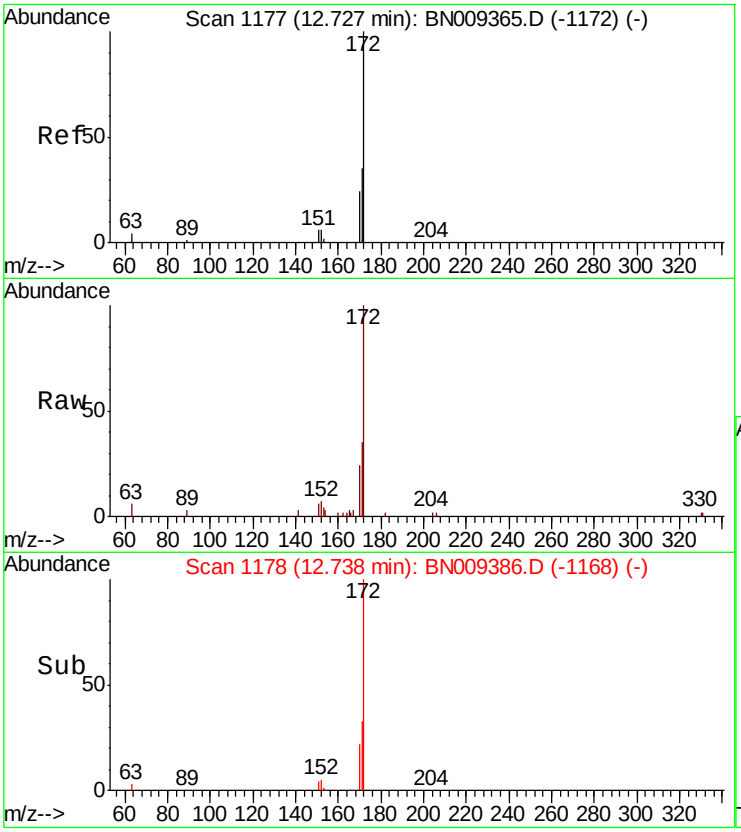


#14
2,4,6-Tribromophenol
Concen: 0.329 ng
RT: 15.62 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:330 Resp: 432

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	41.2	33.1	49.7



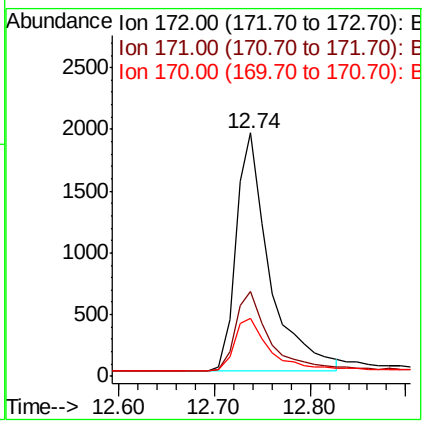


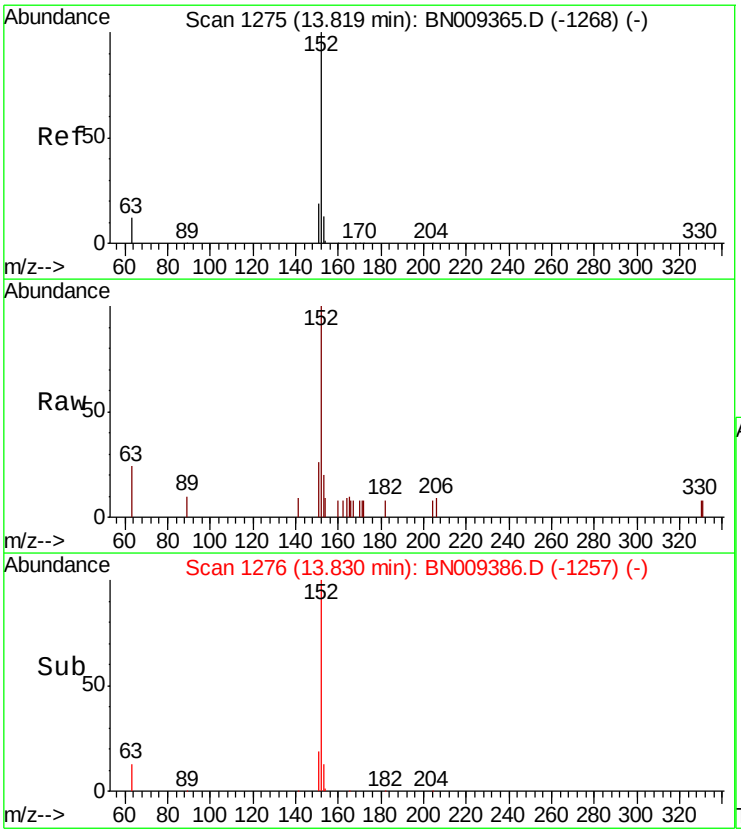
#15
2-Fluorobiphenyl
Concen: 0.359 ng
RT: 12.74 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 4663

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.5	44.3
170	23.8	20.7	31.1

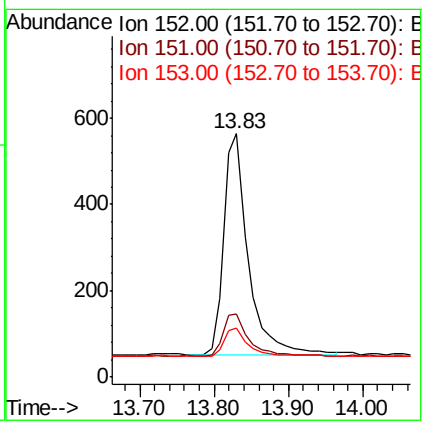


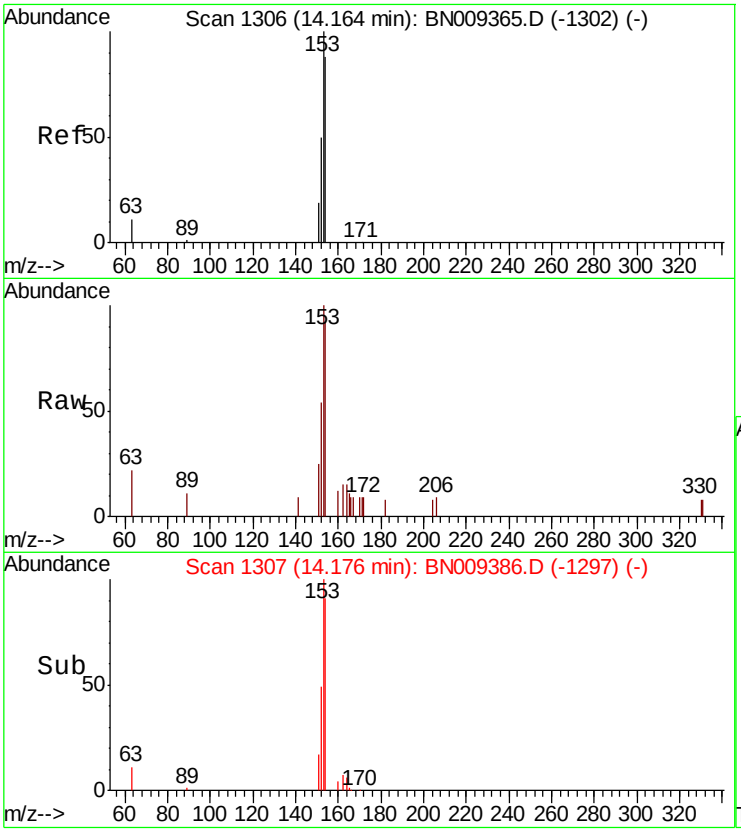


#16
Acenaphthylene
Concen: 0.078 ng
RT: 13.83 min Scan# 1276
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:152 Resp: 1173

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.2
153	13.1	10.4	15.6



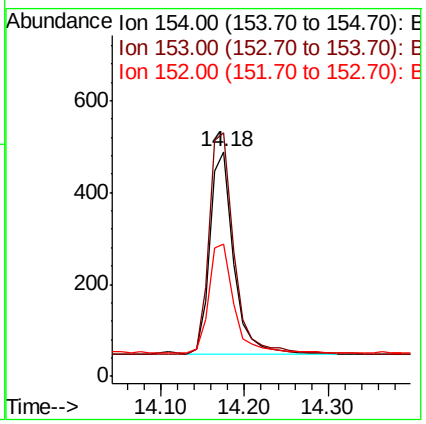


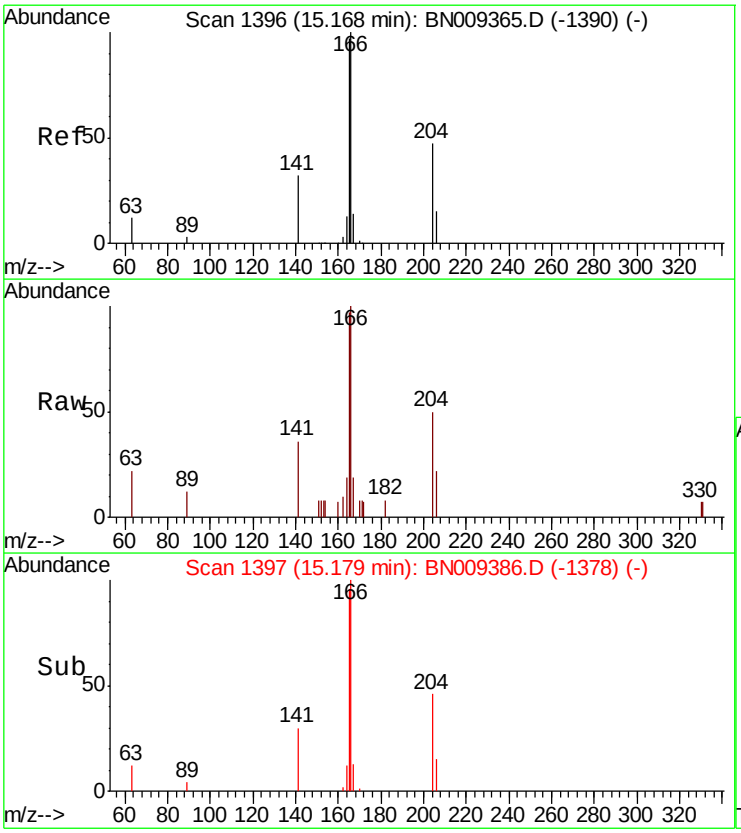
#17
Acenaphthene
Concen: 0.083 ng
RT: 14.18 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 877

Ion	Ratio	Lower	Upper
154	100		
153	116.9	90.5	135.7
152	57.6	45.3	67.9

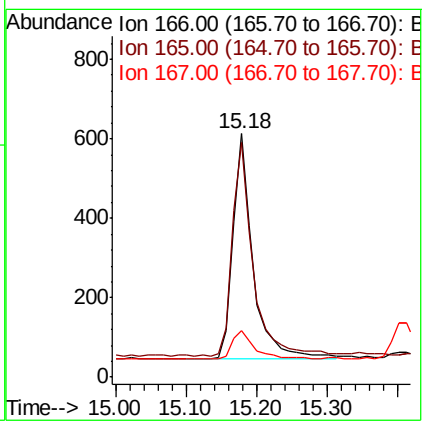


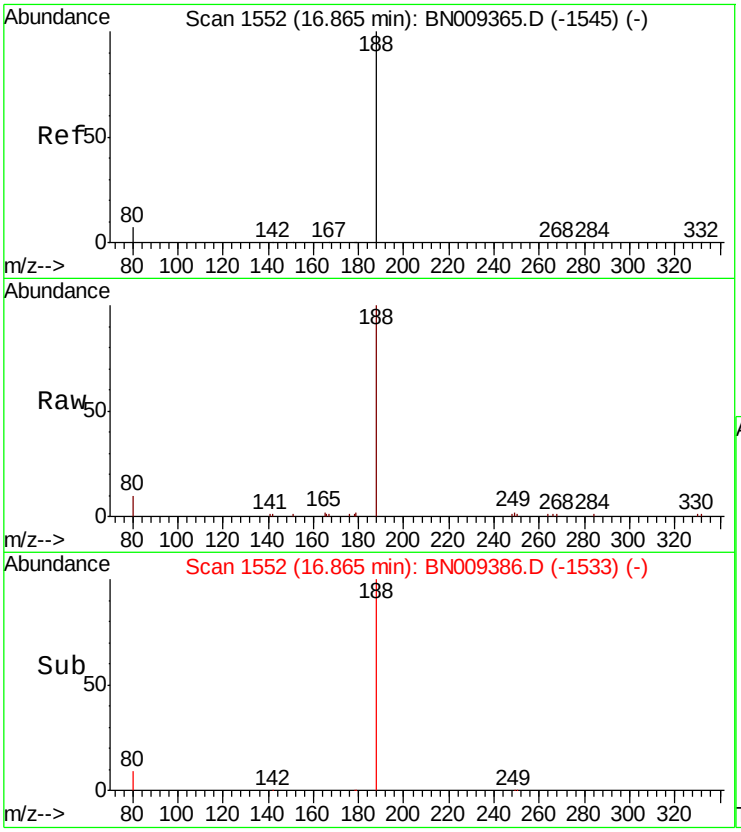


#18
Fluorene
Concen: 0.082 ng
RT: 15.18 min Scan# 1397
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:166 Resp: 1125

Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.2	117.2
167	13.9	11.0	16.6



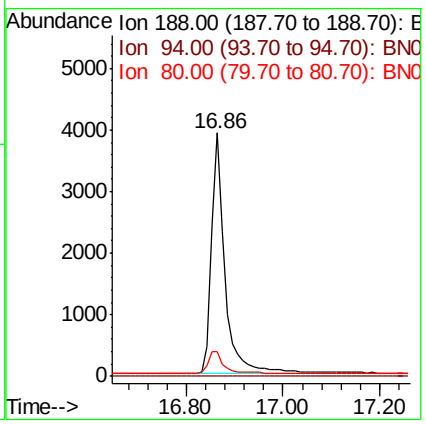


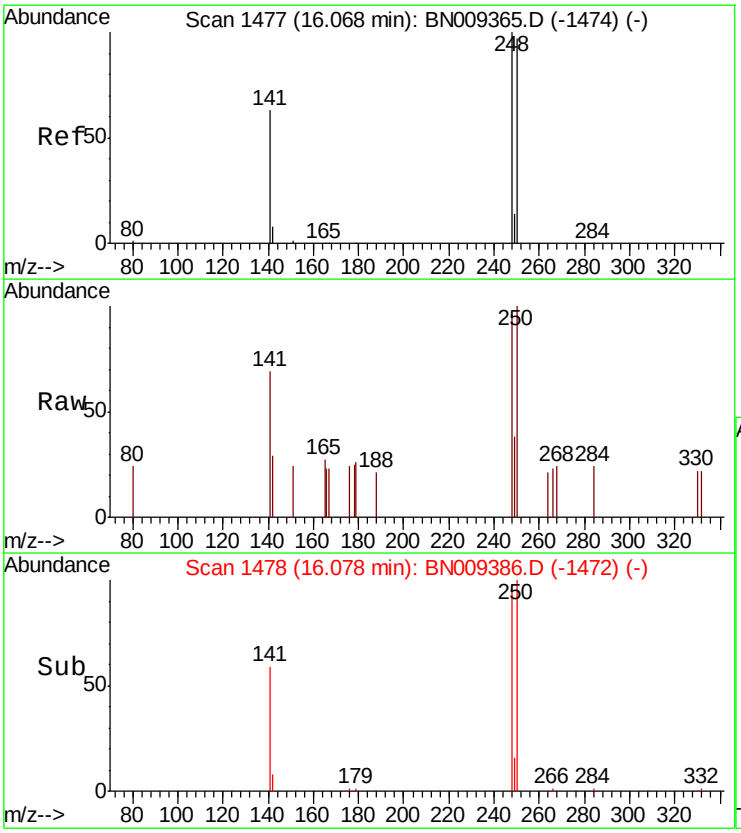
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.86 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 7660

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.3	6.6	10.0#

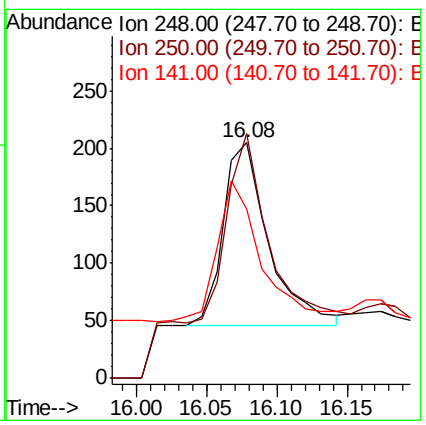


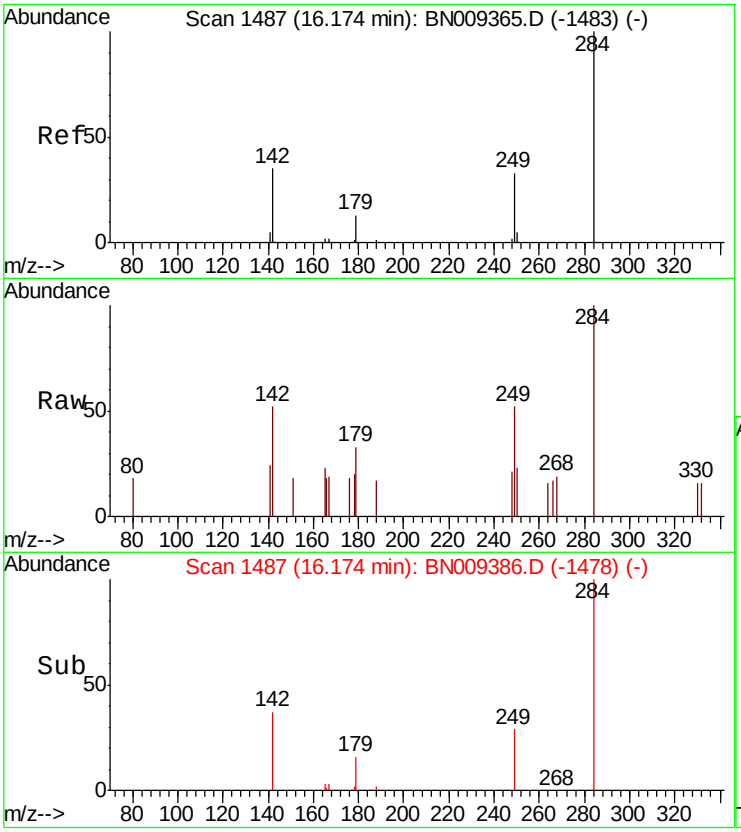


#20
4-Bromophenyl-phenylether
Concen: 0.079 ng
RT: 16.08 min Scan# 1478
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:248 Resp: 363

Ion	Ratio	Lower	Upper
248	100		
250	103.9	77.8	116.8
141	71.7	53.4	80.0



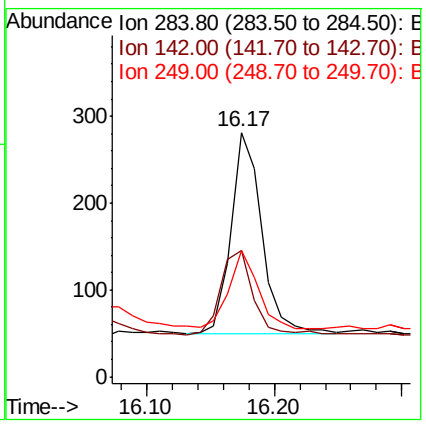


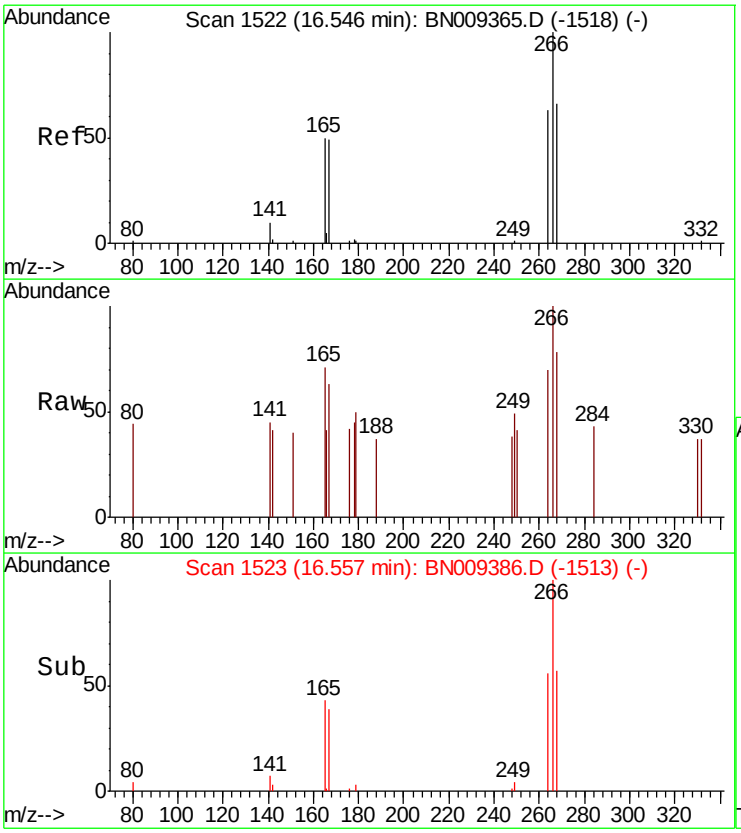
#21
Hexachlorobenzene
Concen: 0.080 ng
RT: 16.17 min Scan# 1487
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:284 Resp: 394

Ion	Ratio	Lower	Upper
284	100		
142	45.4	33.8	50.8
249	36.8	27.0	40.4

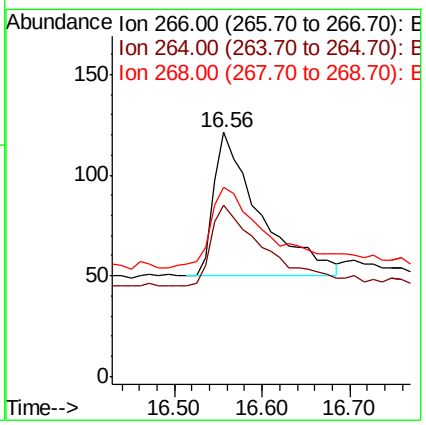


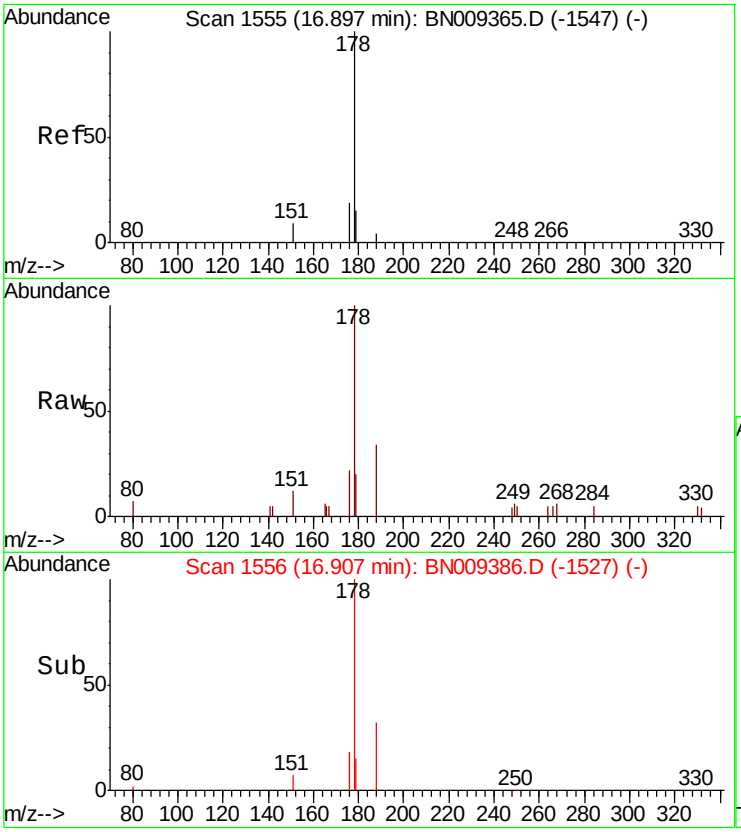


#22
Pentachlorophenol
Concen: 0.189 ng
RT: 16.56 min Scan# 1523
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:266 Resp: 260

Ion	Ratio	Lower	Upper
266	100		
264	70.2	57.8	86.6
268	77.7	63.8	95.6



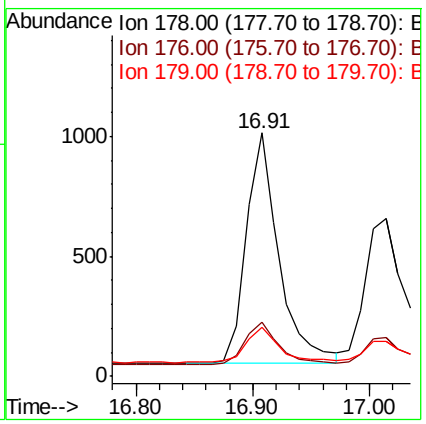


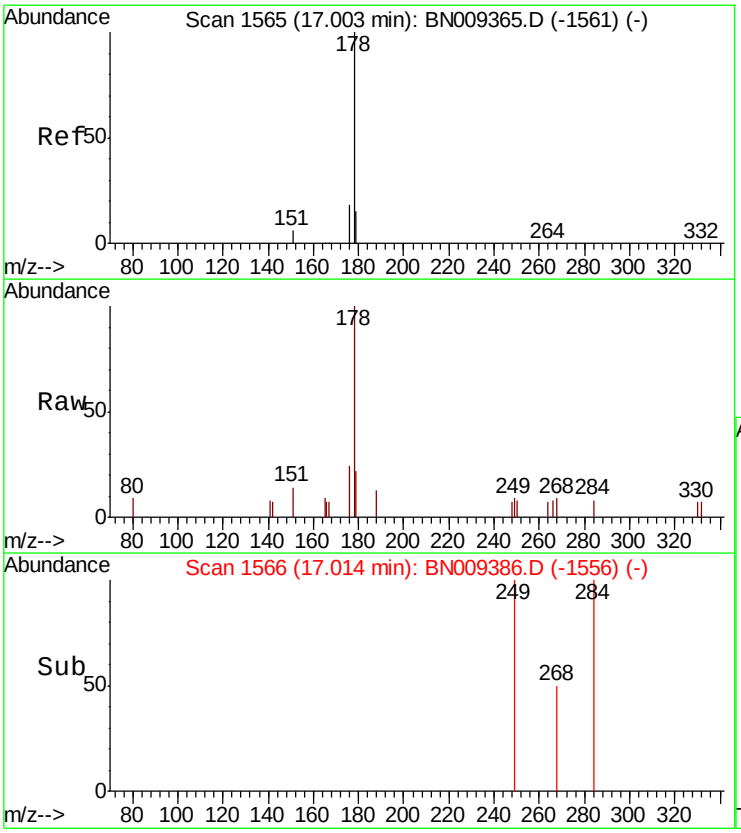
#23
Phenanthrene
Concen: 0.082 ng
RT: 16.91 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 1876

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.0	22.4
179	16.1	12.3	18.5

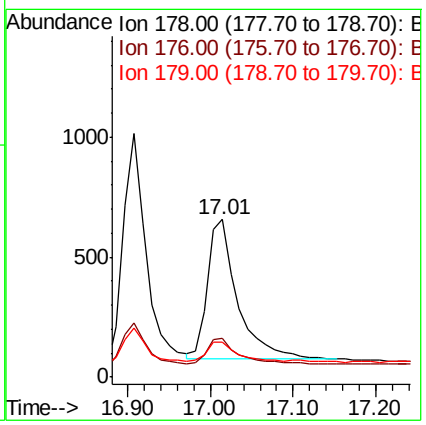


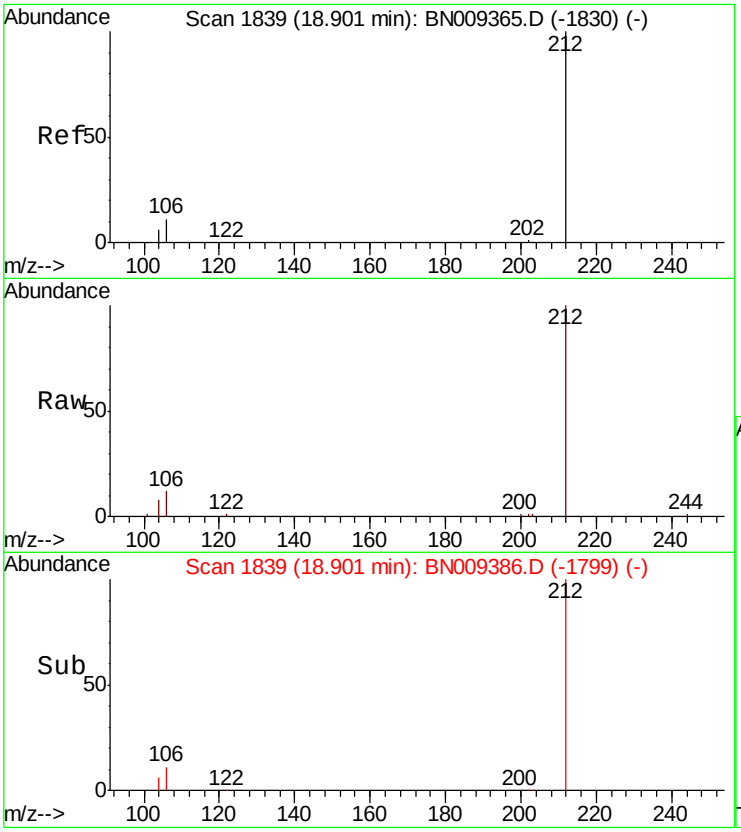


#24
Anthracene
Concen: 0.076 ng
RT: 17.01 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:178 Resp: 1469

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.9	12.5	18.7



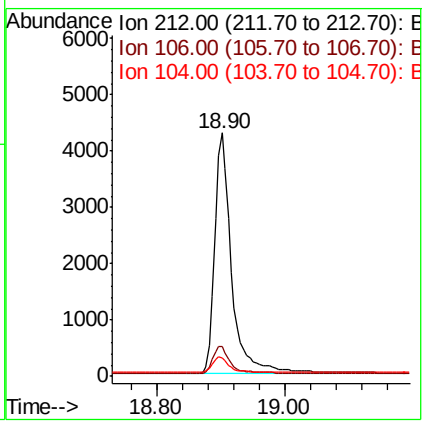


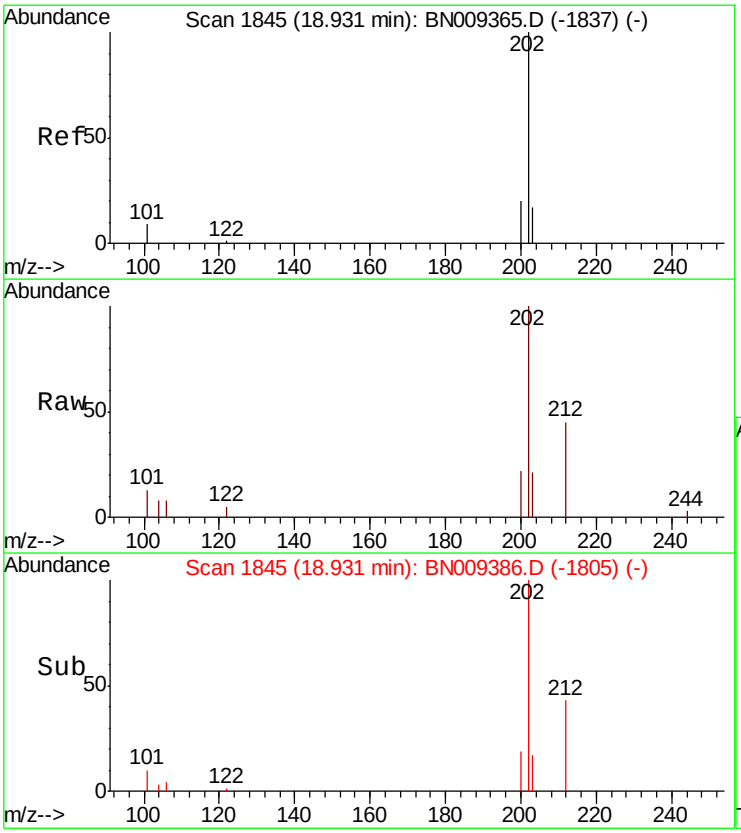
#25
Fluoranthene-d10
Concen: 0.303 ng
RT: 18.90 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 7962

Ion	Ratio	Lower	Upper
212	100		
106	11.6	9.2	13.8
104	6.4	5.4	8.0

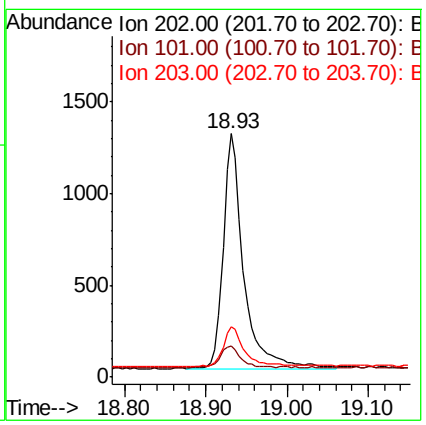


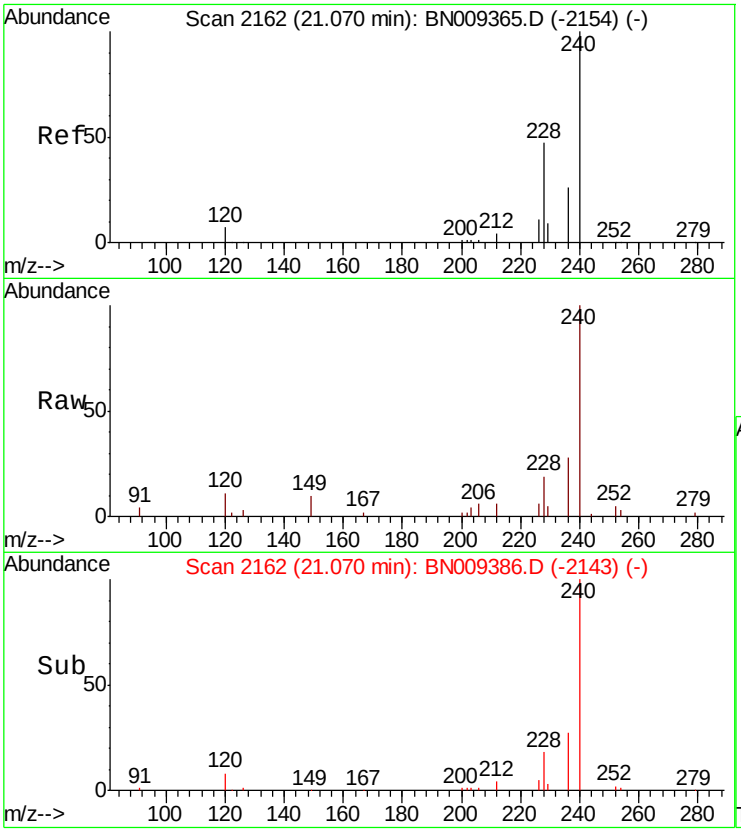


#26
Fluoranthene
Concen: 0.083 ng
RT: 18.93 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:202 Resp: 2228

Ion	Ratio	Lower	Upper
202	100		
101	10.3	8.0	12.0
203	17.4	13.5	20.3



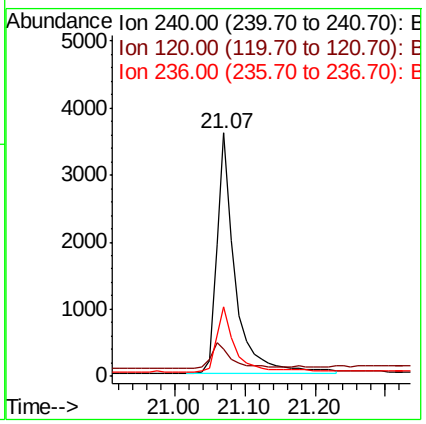


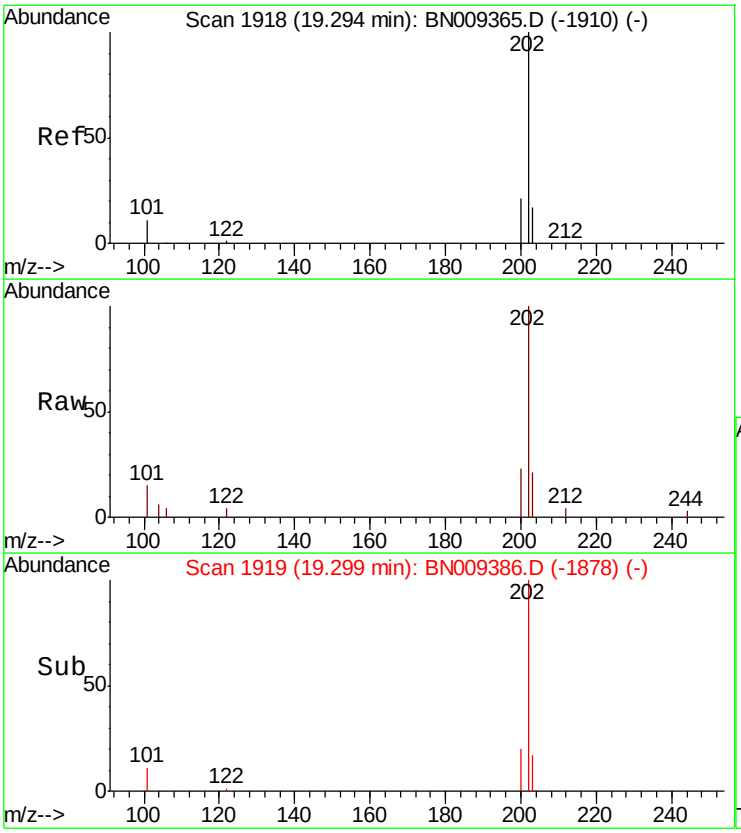
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.07 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 6514

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.1	12.1
236	28.3	22.2	33.4

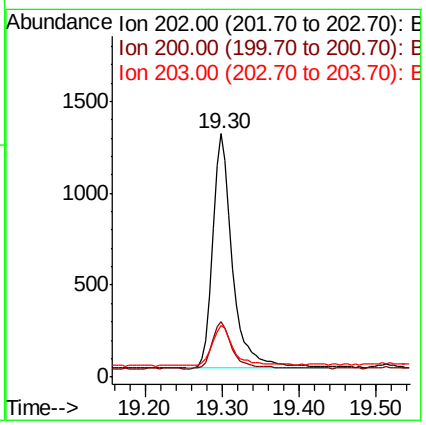


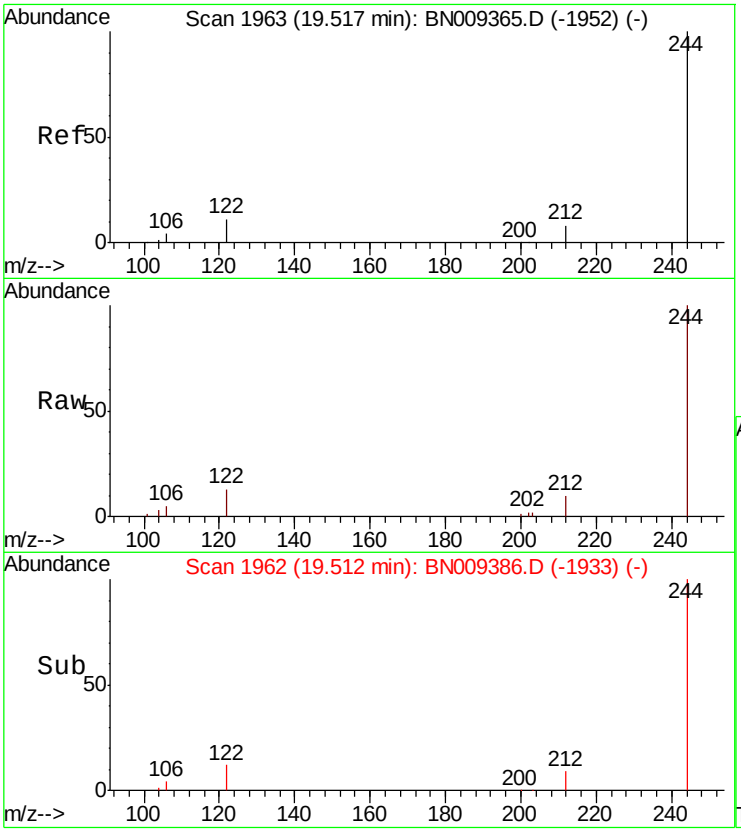


#28
Pyrene
Concen: 0.091 ng
RT: 19.30 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:202 Resp: 2258

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	17.4	14.1	21.1



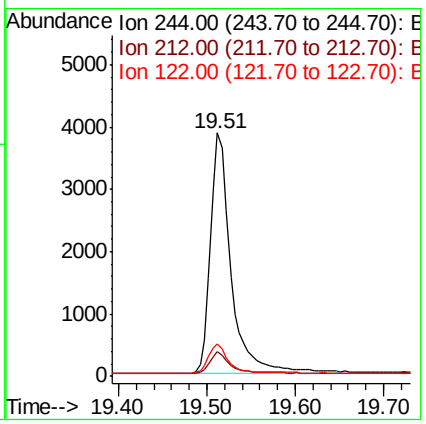


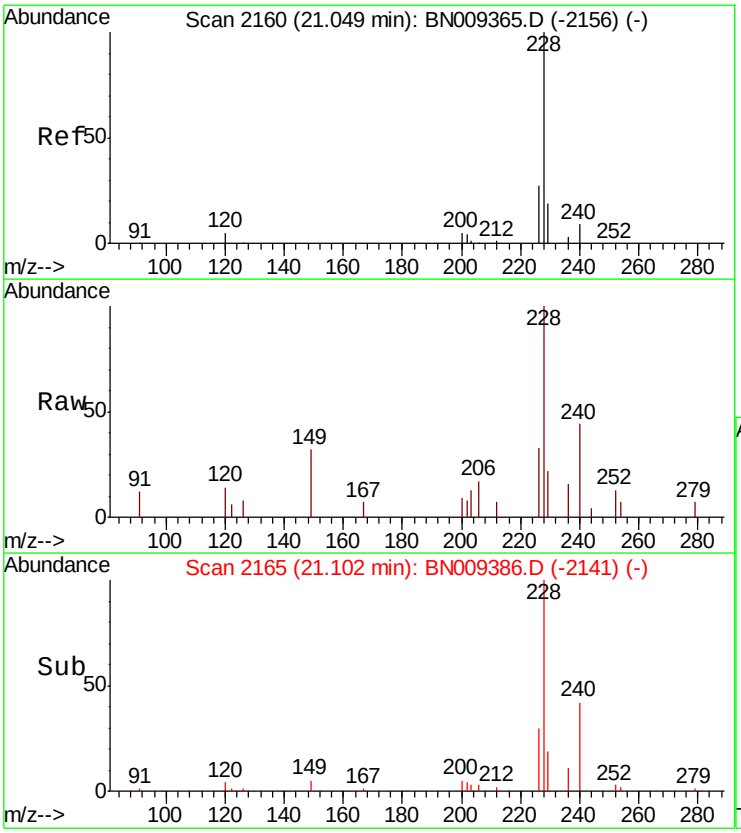
#29
Terphenyl-d14
Concen: 0.409 ng
RT: 19.51 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 6307

Ion	Ratio	Lower	Upper
244	100		
212	10.2	7.5	11.3
122	13.1	9.8	14.6

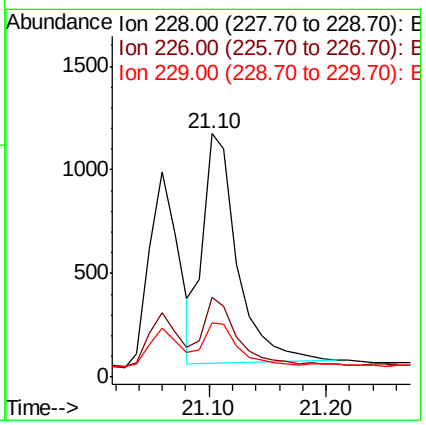


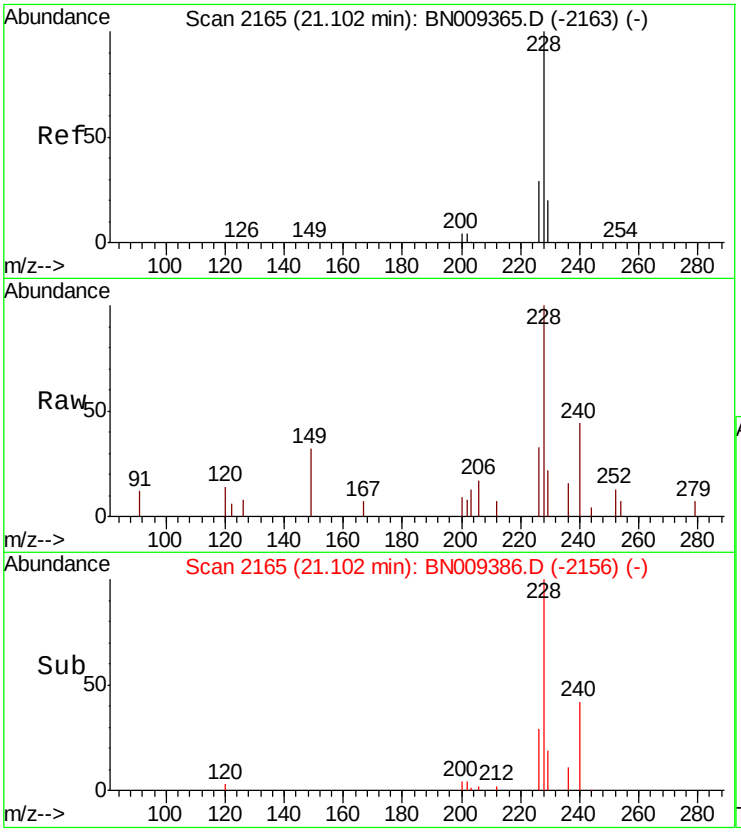


#30
Benzo(a)anthracene
Concen: 0.107 ng
RT: 21.10 min Scan# 2165
Delta R.T. 0.05 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:228 Resp: 2281

Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.5	33.7
229	22.4	16.1	24.1



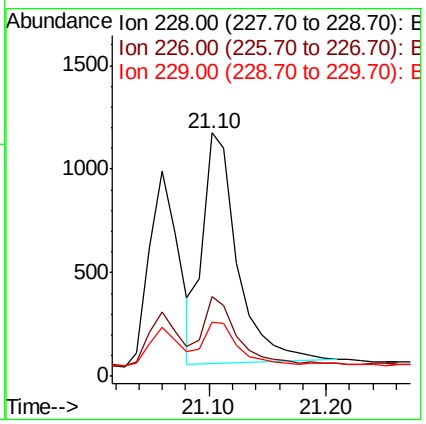


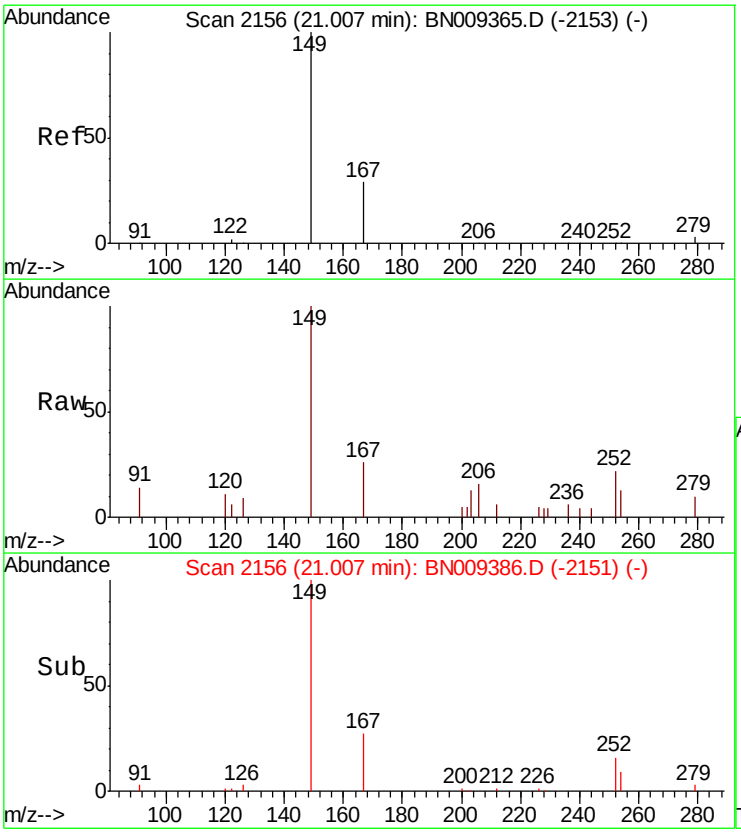
#31
Chrysene
Concen: 0.094 ng
RT: 21.10 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 2296

Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.8	35.8
229	22.4	16.6	24.8

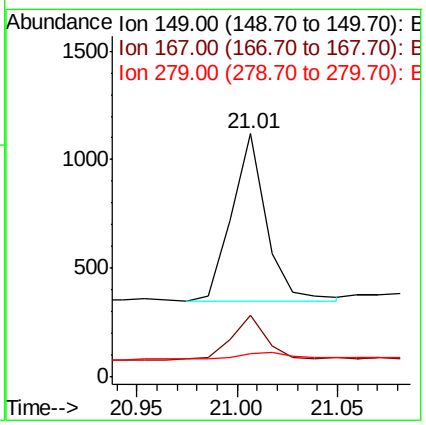


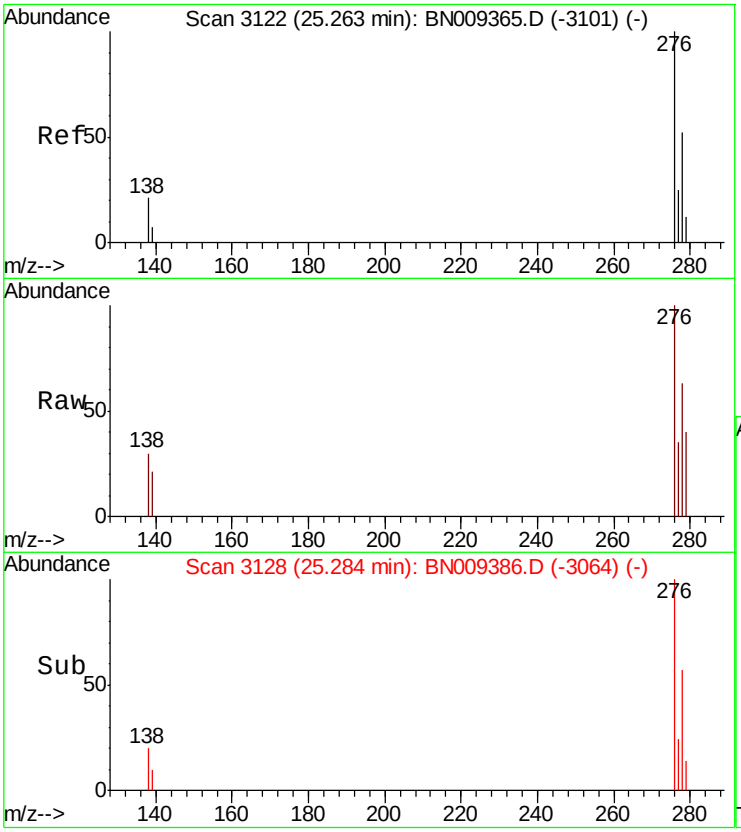


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.099 ng
RT: 21.01 min Scan# 2156
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:149 Resp: 936

Ion	Ratio	Lower	Upper
149	100		
167	24.7	22.9	34.3
279	4.8	3.4	5.0



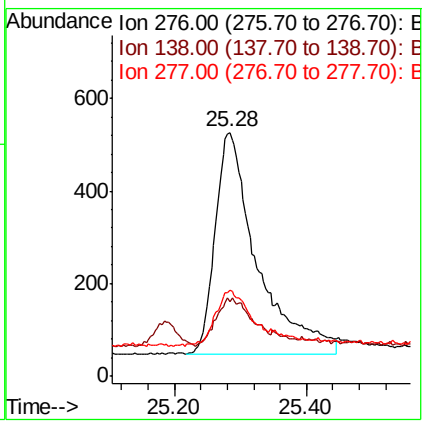


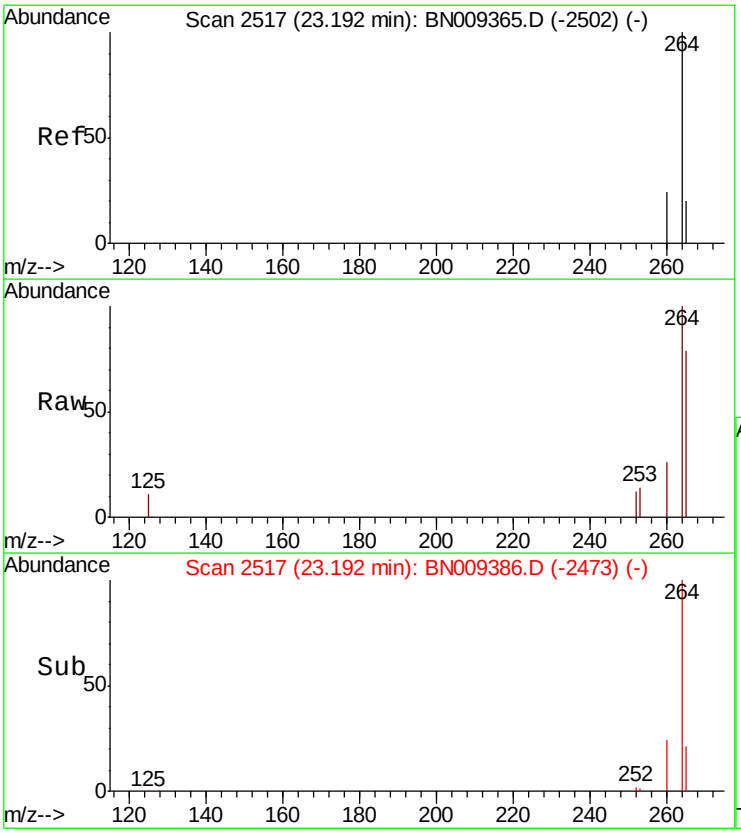
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.082 ng
RT: 25.28 min Scan# 3128
Delta R.T. 0.02 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 2101

Ion	Ratio	Lower	Upper
276	100		
138	18.6	15.9	23.9
277	19.4	19.8	29.6#

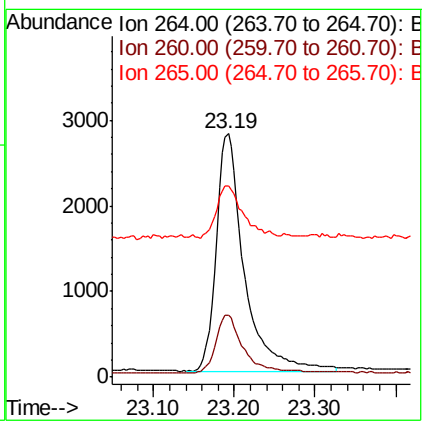


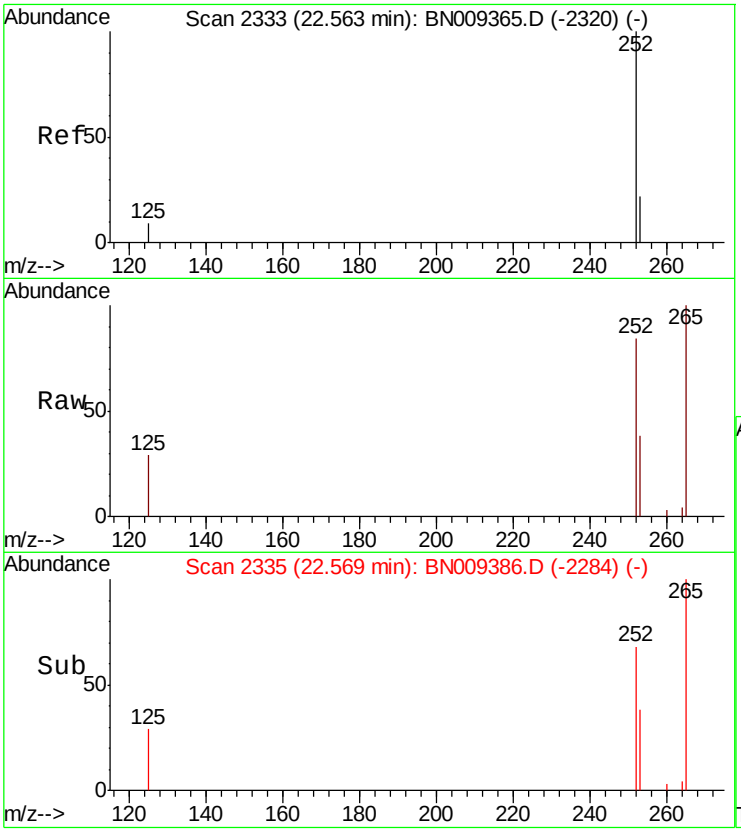


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.19 min Scan# 2517
Delta R.T. -0.00 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:264 Resp: 6664

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.1	30.1
265	78.5	68.2	102.4



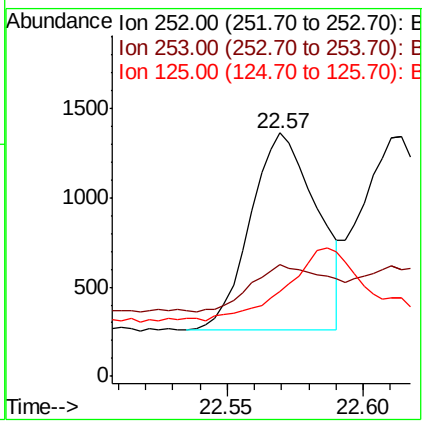


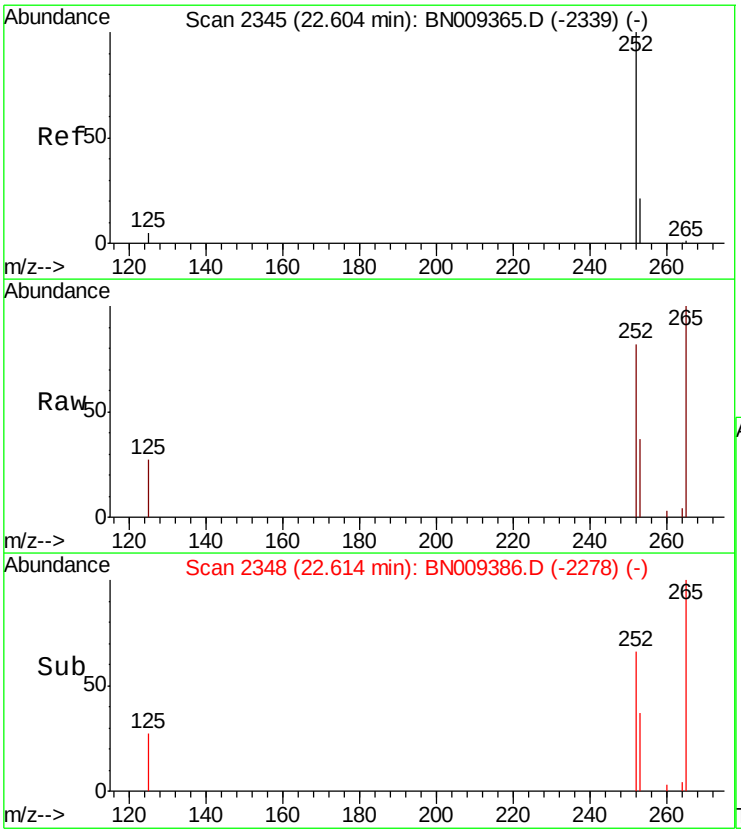
#35
Benzo(b)fluoranthene
Concen: 0.076 ng
RT: 22.57 min Scan# 2335
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 1870

Ion	Ratio	Lower	Upper
252	100		
253	45.7	22.4	33.6#
125	34.7	11.6	17.4#

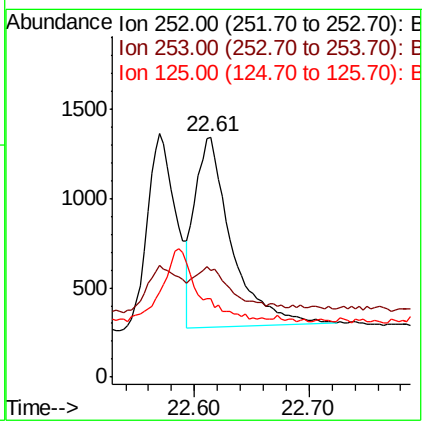


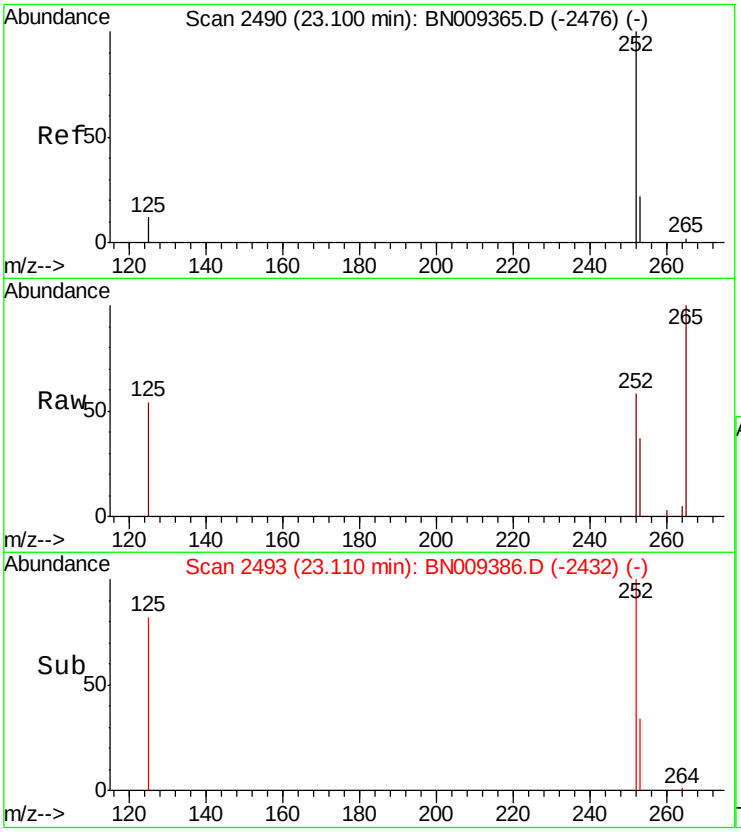


#36
Benzo(k)fluoranthene
Concen: 0.088 ng
RT: 22.61 min Scan# 2348
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:252 Resp: 2368

Ion	Ratio	Lower	Upper
252	100		
253	44.6	21.9	32.9#
125	32.6	12.0	18.0#



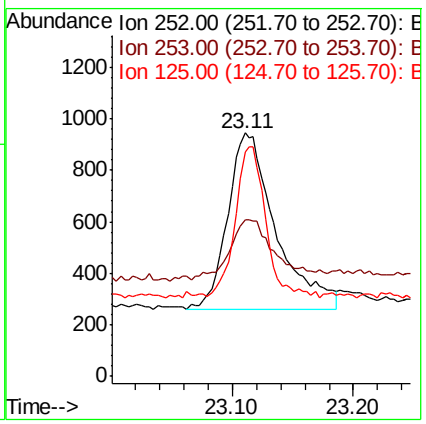


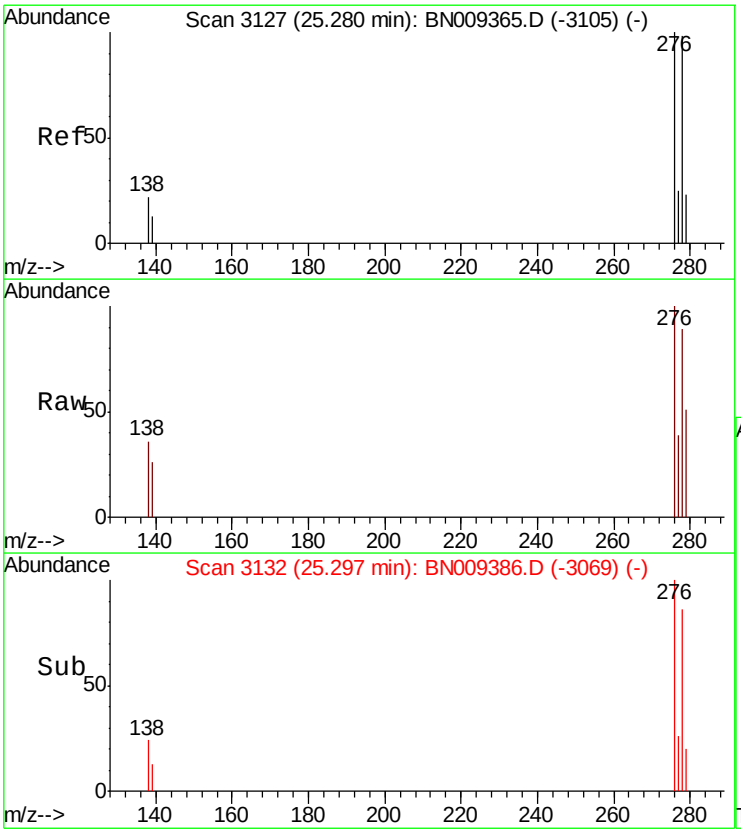
#37
Benzo(a)pyrene
Concen: 0.087 ng
RT: 23.11 min Scan# 2493
Delta R.T. 0.01 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 1875

Ion	Ratio	Lower	Upper
252	100		
253	64.2	25.4	38.0#
125	92.2	16.2	24.2#

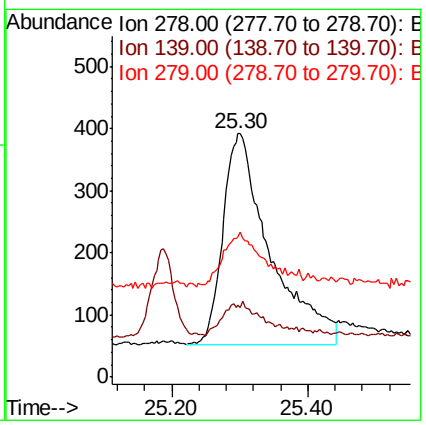


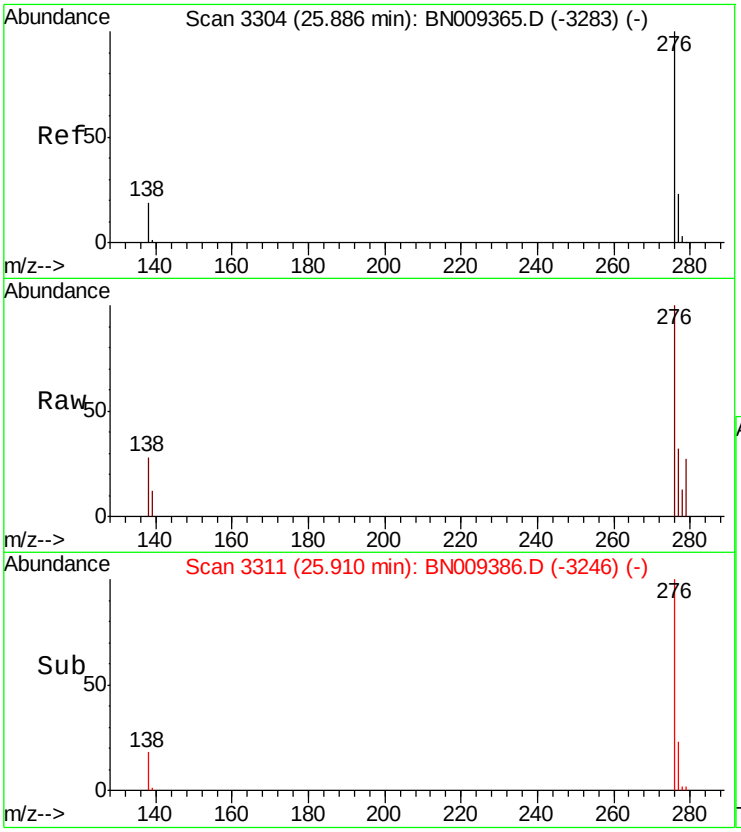


#38
Dibenzo(a,h)anthracene
Concen: 0.075 ng
RT: 25.30 min Scan# 3132
Delta R.T. 0.02 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Tgt Ion:278 Resp: 1625

Ion	Ratio	Lower	Upper
278	100		
139	29.6	14.5	21.7#
279	57.4	24.2	36.4#





#39
Benzo(g,h,i)perylene
Concen: 0.082 ng
RT: 25.91 min Scan# 3311
Delta R.T. 0.02 min
Lab File: BN009386.D
Acq: 16 Jan 2020 15:59

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 1947

Ion	Ratio	Lower	Upper
276	100		
277	32.4	20.6	30.8#
138	27.7	17.1	25.7#