Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012120\
Data File : BN009410.D
Acq On : 21 Jan 2020 12:16
Operator : JU
Sample : K5111-03
Misc : 0.1 MDL
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Jan 21 16:15:14 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 21 16:08:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	1241	0.40	ng		0.00
7) Naphthalene-d8	10.24	136	4022	0.40	ng		0.01
13) Acenaphthene-d10	14.11	164	2585	0.40	ng		0.00
19) Phenanthrene-d10	16.86	188	5928	0.40	ng		0.00
27) Chrysene-d12	21.07	240	5366	0.40	ng		0.00
34) Perylene-d12	23.19	264	5441	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.12	112	936	0.33	ng		0.00
5) Phenol-d6	6.70	99	920	0.28	ng		0.02
8) Nitrobenzene-d5	8.66	82	917	0.29	ng		0.03
11) 2-Methylnaphthalene-d10	11.85	152	2103	0.27	ng		0.02
14) 2,4,6-Tribromophenol	15.64	330	272	0.28	ng		0.01
15) 2-Fluorobiphenyl	12.74	172	2970	0.31	ng		0.01
25) Fluoranthene-d10	18.90	212	5407	0.27	ng		0.00
29) Terphenyl-d14	19.52	244	4483	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.14	88	121	0.093	ng	#	66
3) n-Nitrosodimethylamine	3.48	42	61	0.031	ng	#	24
6) bis(2-Chloroethyl)ether	6.94	93	234	0.069	ng		89
9) Naphthalene	10.29	128	976	0.090	ng	#	72
10) Hexachlorobutadiene	10.57	225	215	0.090	ng	#	99
12) 2-Methylnaphthalene	11.92	142	642	0.085	ng	#	90
16) Acenaphthylene	13.83	152	907	0.081	ng		98
17) Acenaphthene	14.18	154	659	0.084	ng		98
18) Fluorene	15.18	166	855	0.084	ng		99
20) 4-Bromophenyl-phenylether	16.08	248	251	0.070	ng	#	86
21) Hexachlorobenzene	16.17	284	326	0.086	ng		94
22) Pentachlorophenol	16.57	266	166	0.156	ng		89
23) Phenanthrene	16.91	178	1434	0.081	ng		98
24) Anthracene	17.01	178	1091	0.073	ng		99
26) Fluoranthene	18.93	202	1854	0.089	ng		99
28) Pyrene	19.30	202	1881	0.092	ng		100
30) Benzo(a)anthracene	21.06	228	1274	0.072	ng	#	92
31) Chrysene	21.10	228	1898	0.094	ng		92
32) Bis(2-ethylhexyl)phthalate	21.01	149	723	0.093	ng	#	94
33) Indeno(1,2,3-cd)pyrene	25.28	276	1690	0.081	ng	#	87
35) Benzo(b)fluoranthene	22.57	252	1544	0.077	ng	#	56
36) Benzo(k)fluoranthene	22.61	252	2000	0.091	ng	#	57
37) Benzo(a)pyrene	23.11	252	1464	0.083	ng	#	38
38) Dibenzo(a,h)anthracene	25.30	278	458	0.026	ng	#	51
39) Benzo(g,h,i)perylene	25.90	276	1604	0.082	ng	#	81

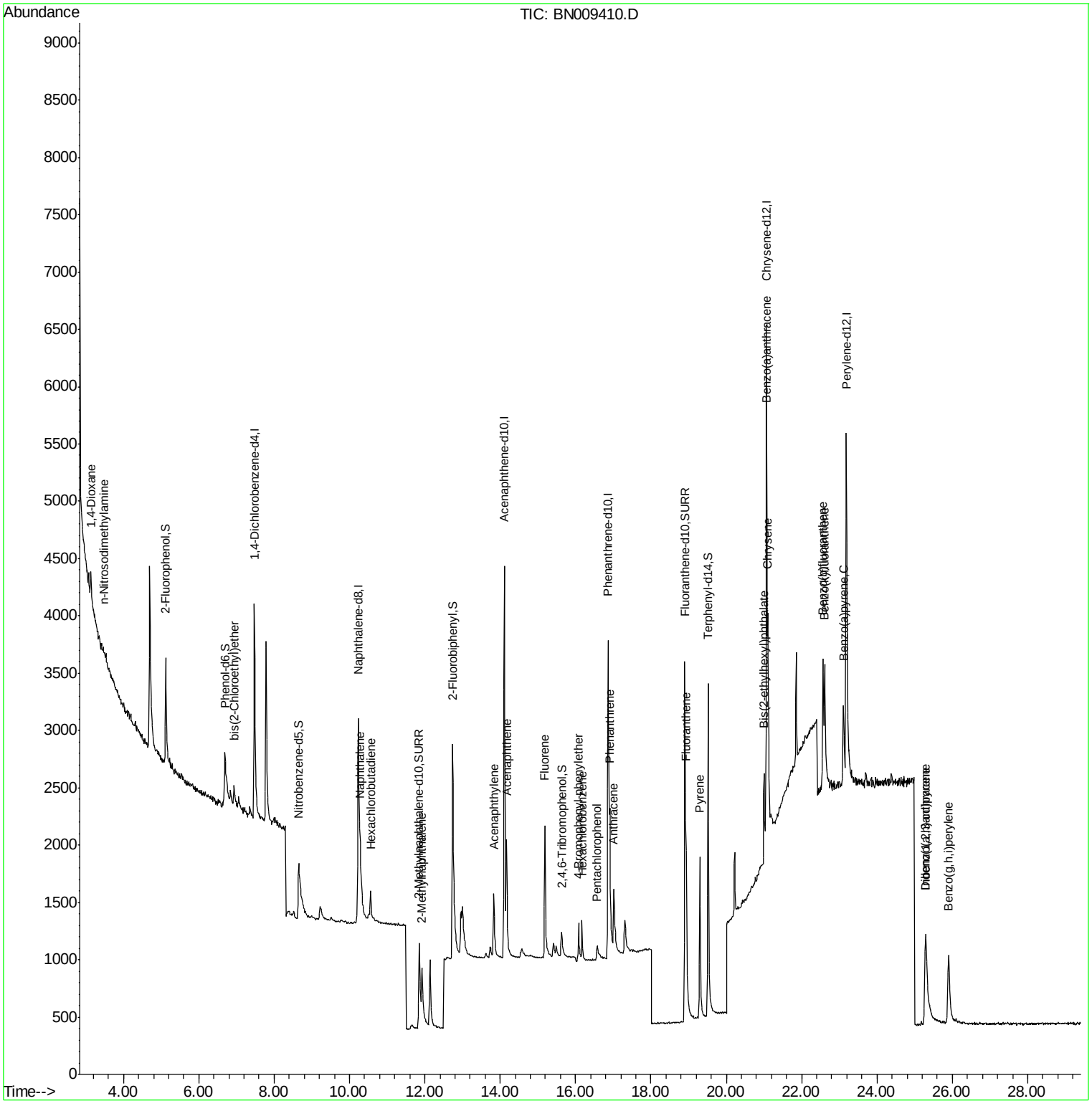
(#) = qualifier out of range (m) = manual integration (+) = signals summed

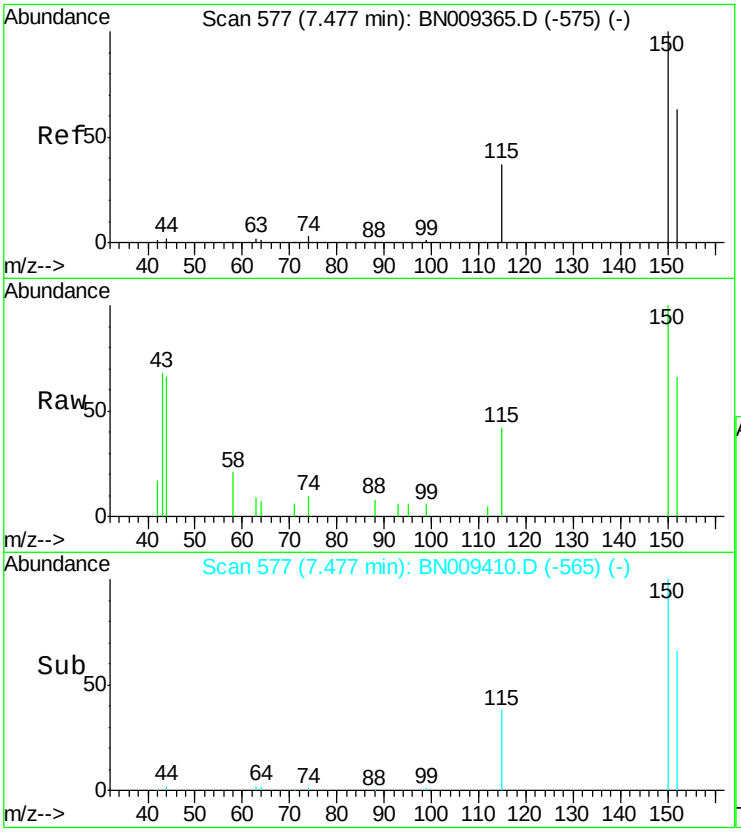
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012120\
Data File : BN009410.D
Acq On : 21 Jan 2020 12:16
Operator : JU
Sample : K5111-03
Misc : 0.1 MDL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :

Quant Time: Jan 21 16:15:14 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 21 16:08:29 2020
Response via : Initial Calibration



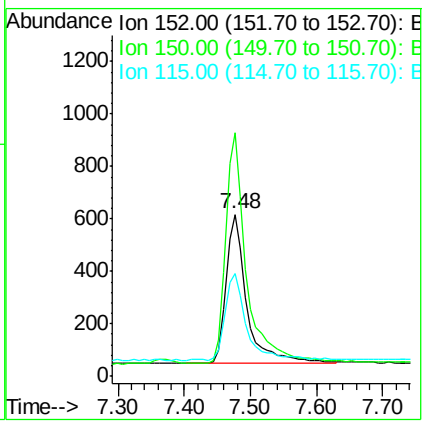


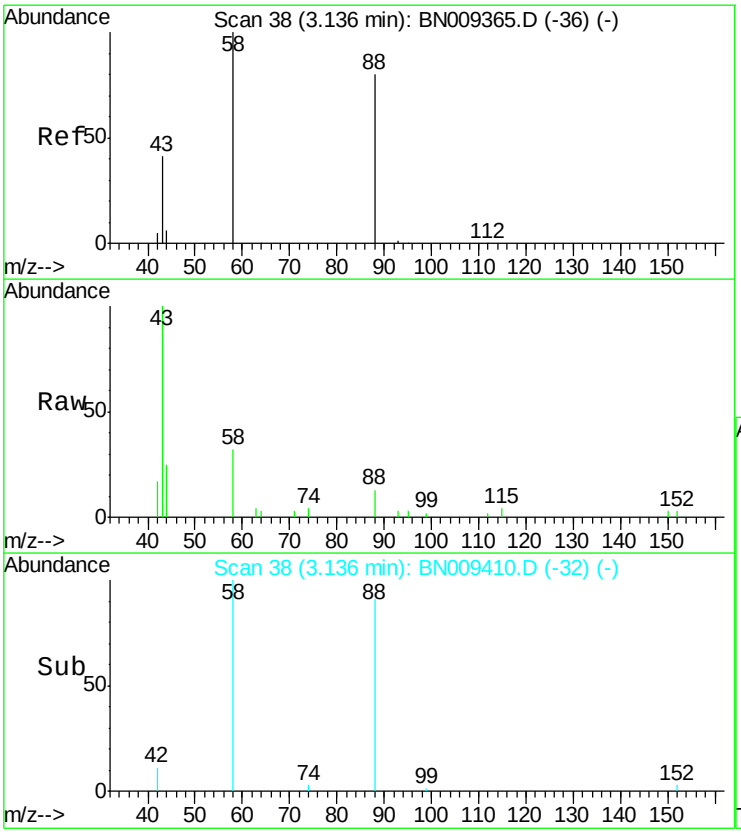
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 1241

Ion	Ratio	Lower	Upper
152	100		
150	150.6	125.7	188.5
115	63.3	53.3	79.9

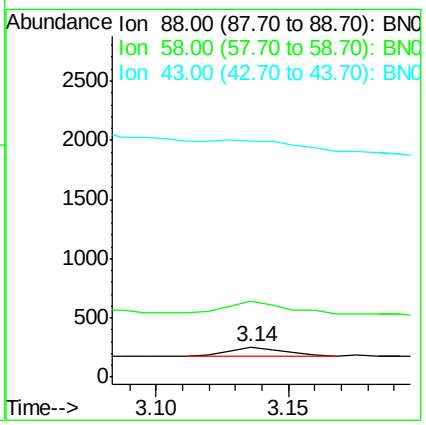


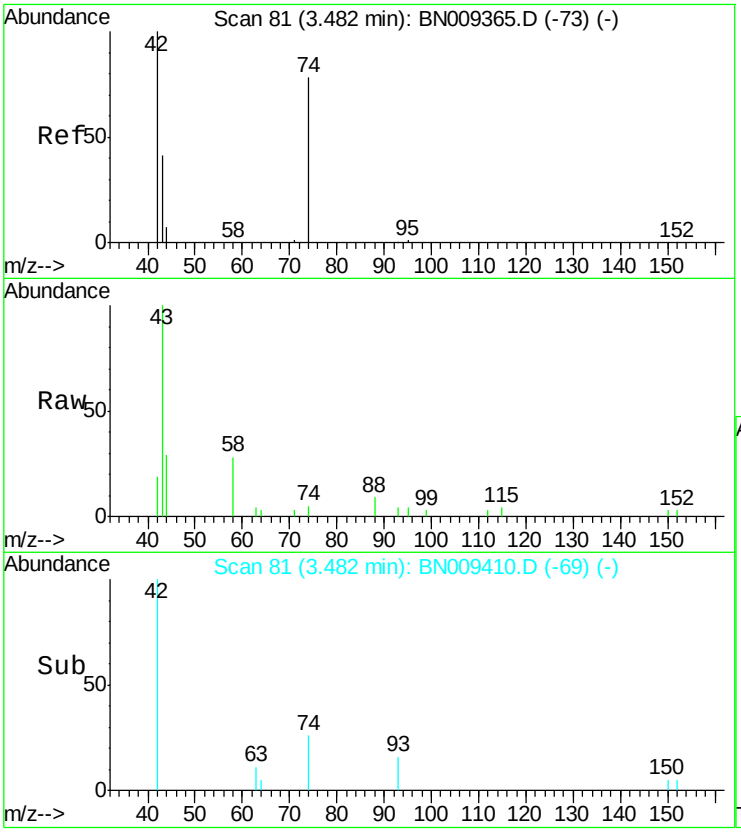


#2
1,4-Dioxane
Concen: 0.093 ng
RT: 3.14 min Scan# 38
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion: 88 Resp: 121

Ion	Ratio	Lower	Upper
88	100		
58	143.0	100.2	150.2
43	0.0	43.1	64.7#



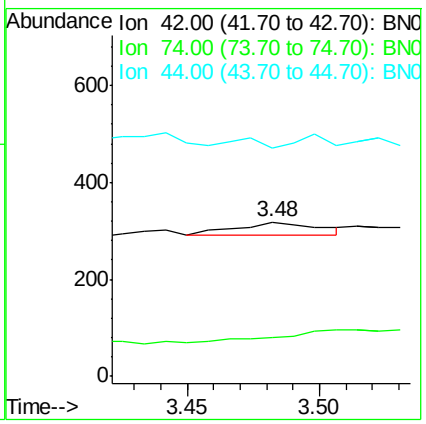


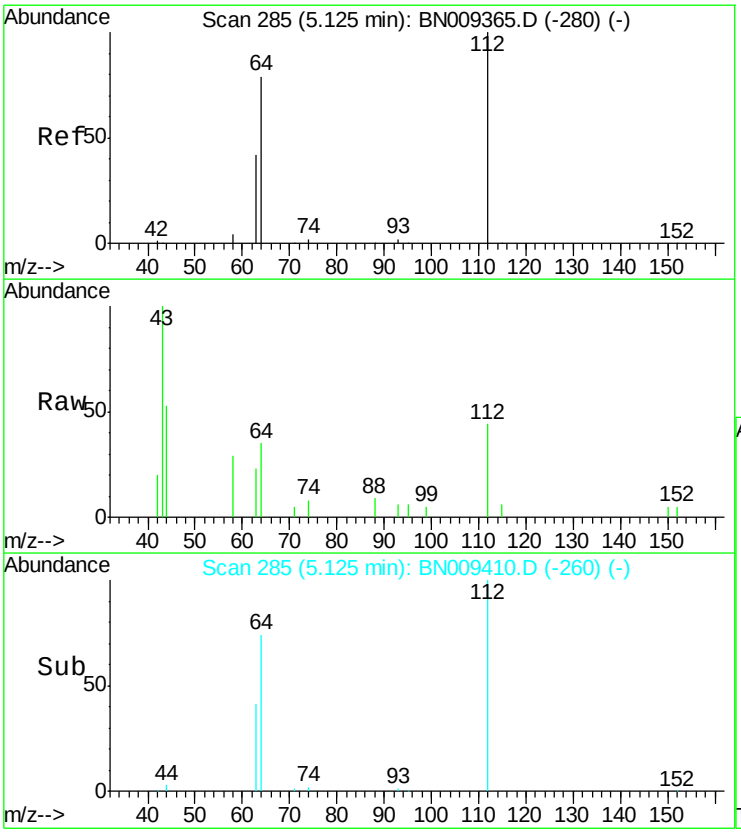
#3
n-Nitrosodimethylamine
Concen: 0.031 ng
RT: 3.48 min Scan# 81
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 42 Resp: 61

Ion	Ratio	Lower	Upper
42	100		
74	0.0	55.8	83.8#
44	26.2	11.1	16.7#

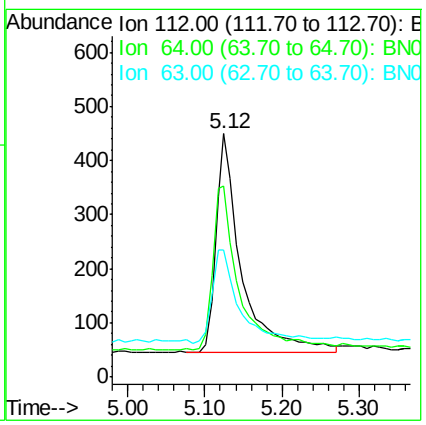


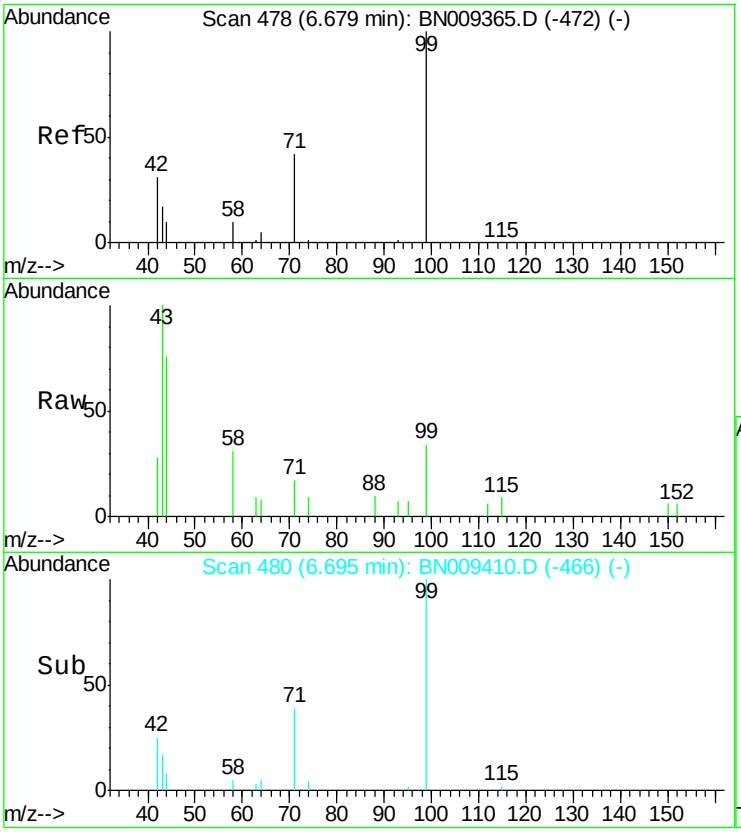


#4
2-Fluorophenol
Concen: 0.328 ng
RT: 5.12 min Scan# 285
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:112 Resp: 936

Ion	Ratio	Lower	Upper
112	100		
64	79.0	61.5	92.3
63	46.7	35.0	52.4



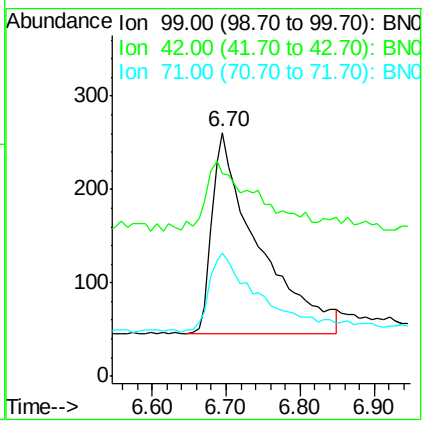


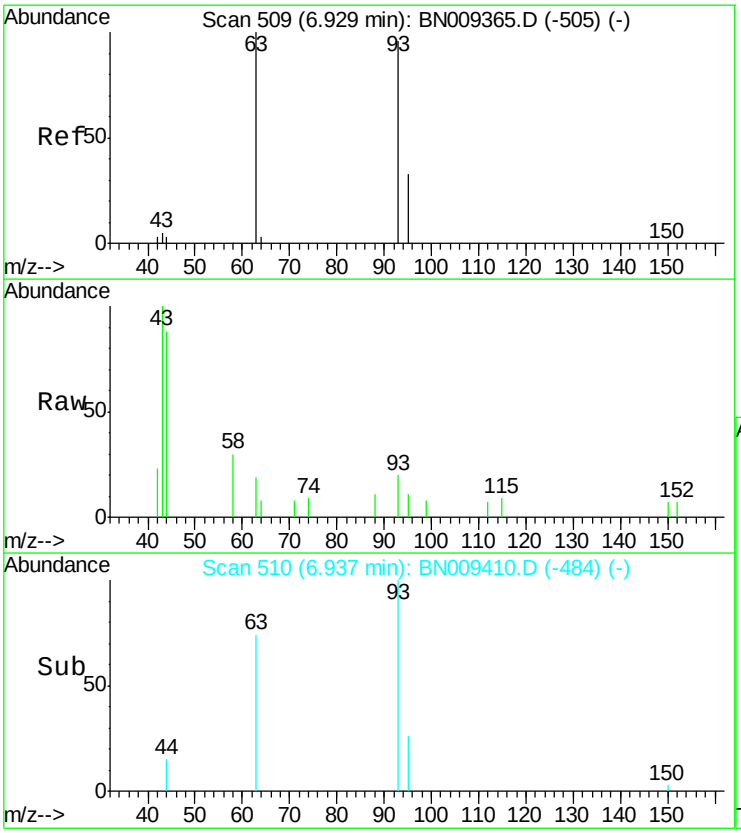
#5
Phenol-d6
Concen: 0.278 ng
RT: 6.70 min Scan# 480
Delta R.T. 0.02 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 920

Ion	Ratio	Lower	Upper
99	100		
42	37.7	27.6	41.4
71	44.3	33.0	49.6

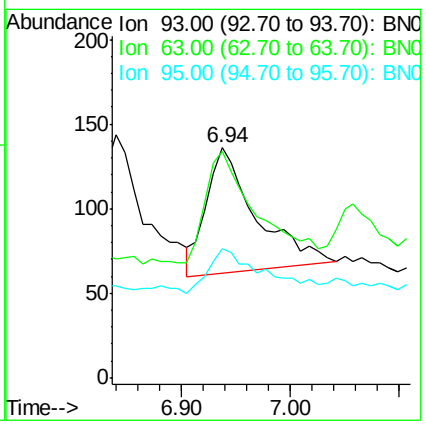


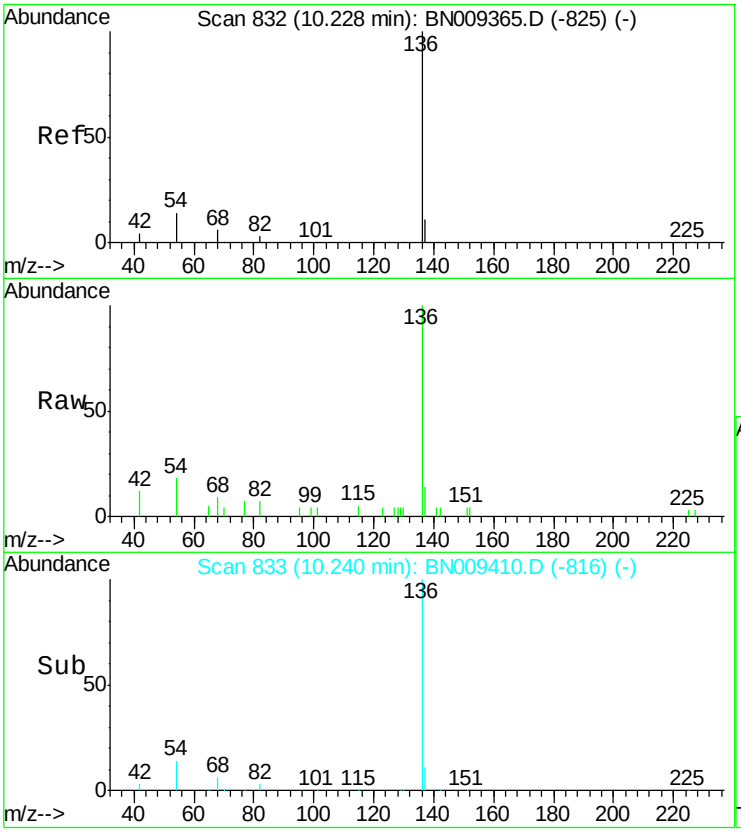


#6
bis(2-Chloroethyl)ether
Concen: 0.069 ng
RT: 6.94 min Scan# 510
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion: 93 Resp: 234

Ion	Ratio	Lower	Upper
93	100		
63	92.3	85.1	127.7
95	39.3	30.2	45.4



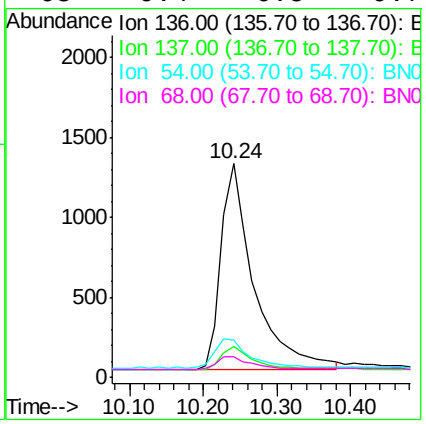


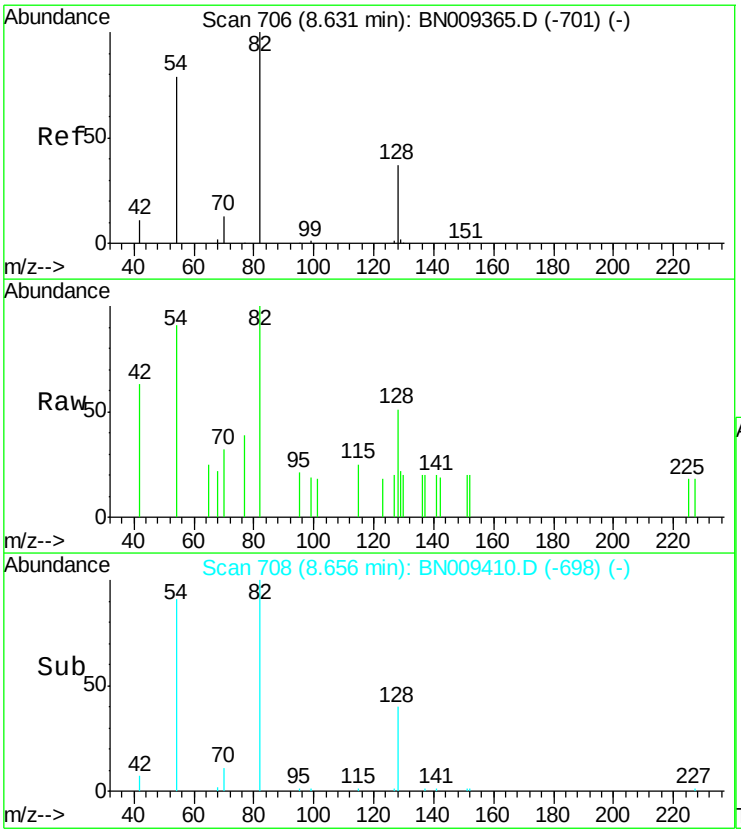
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.24 min Scan# 833
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:136 Resp: 4022

Ion	Ratio	Lower	Upper
136	100		
137	14.3	10.3	15.5
54	17.6	12.6	19.0
68	9.4	6.5	9.7

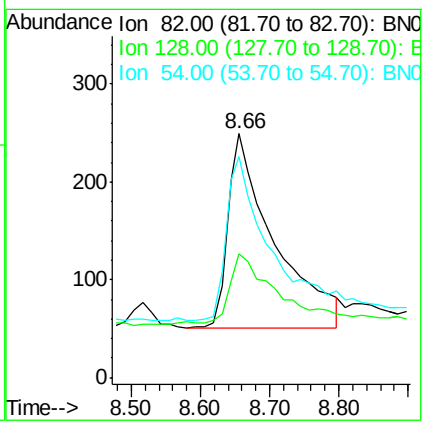


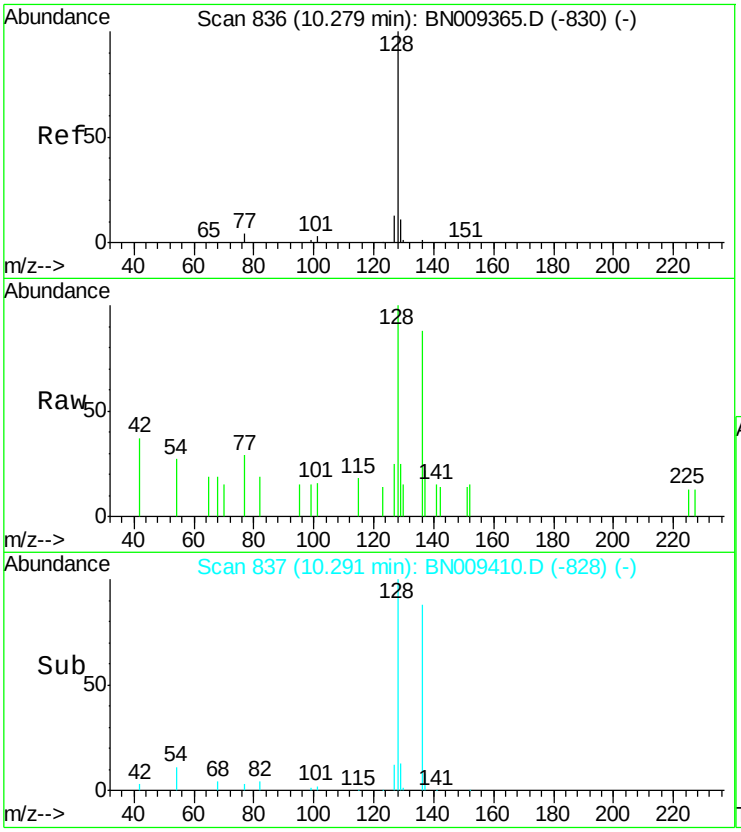


#8
Nitrobenzene-d5
Concen: 0.286 ng
RT: 8.66 min Scan# 708
Delta R.T. 0.03 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion: 82 Resp: 917

Ion	Ratio	Lower	Upper
82	100		
128	51.0	34.8	52.2
54	90.8	65.8	98.6



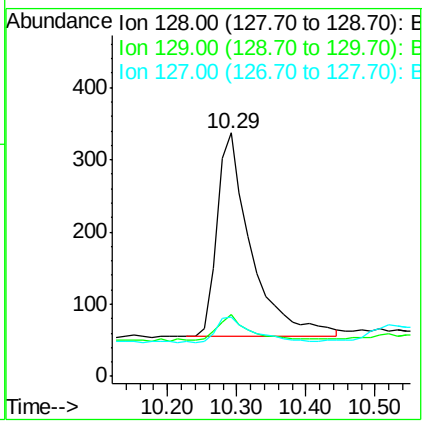


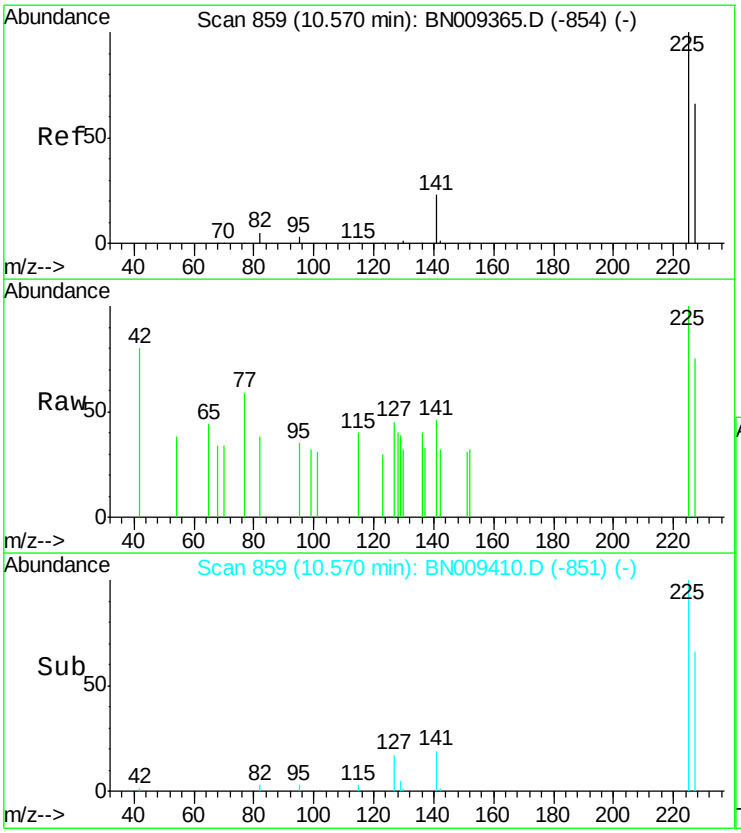
#9
Naphthalene
Concen: 0.090 ng
RT: 10.29 min Scan# 837
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 976

Ion	Ratio	Lower	Upper
128	100		
129	25.2	10.4	15.6#
127	24.6	11.4	17.2#

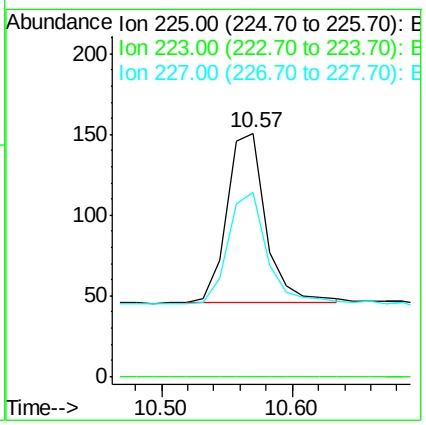


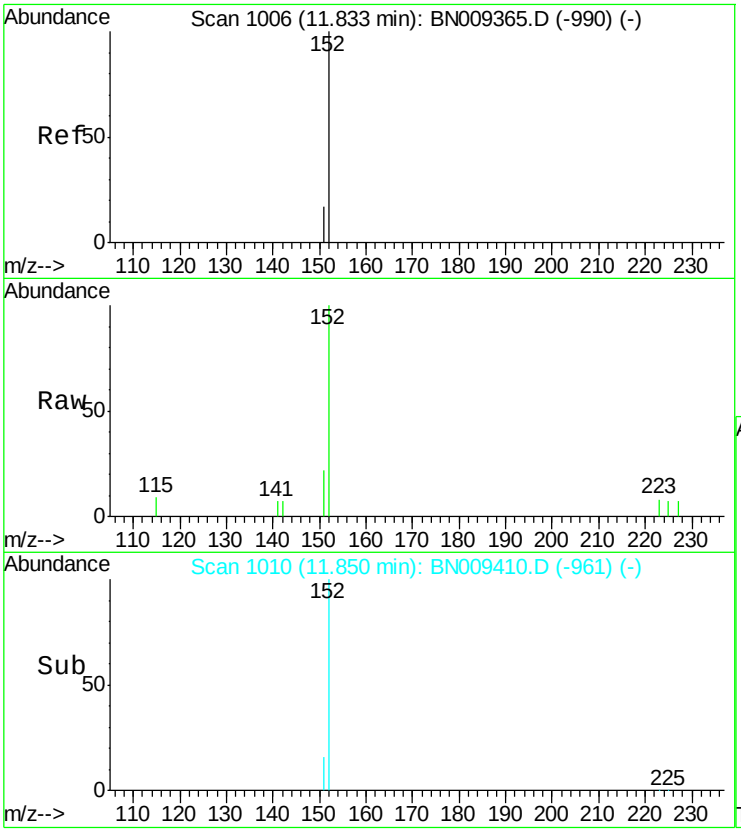


#10
Hexachlorobutadiene
Concen: 0.090 ng
RT: 10.57 min Scan# 859
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:225 Resp: 215

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	66.5	52.6	78.8



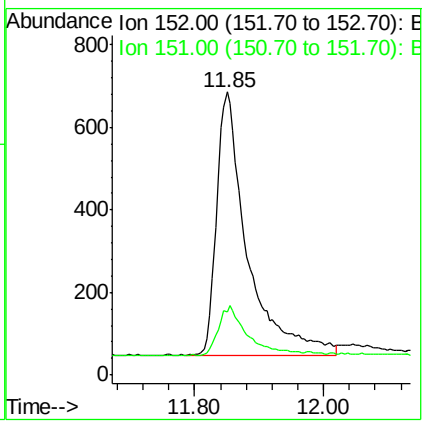


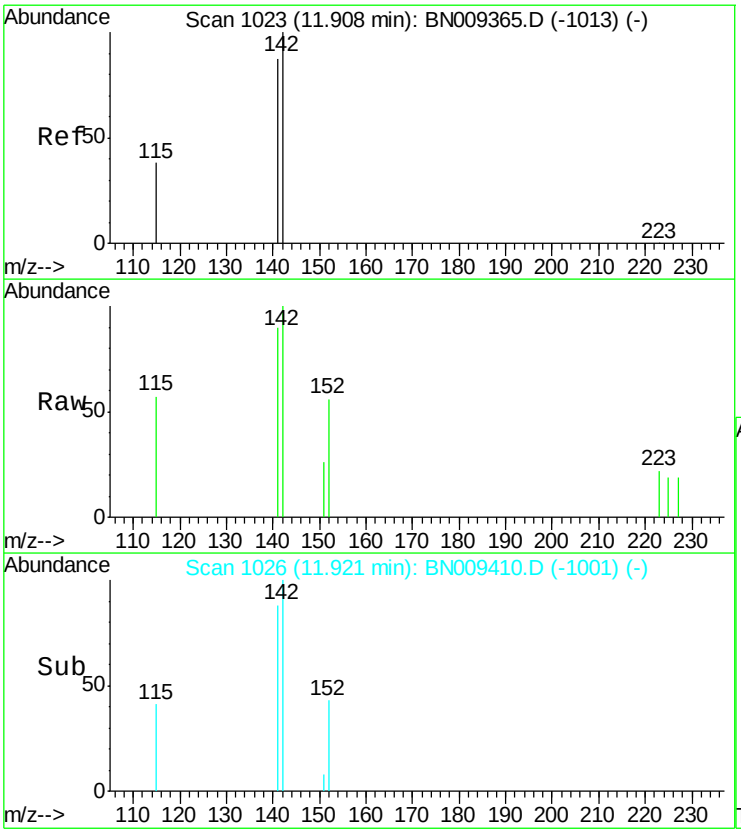
#11
2-Methylnaphthalene-d10
Concen: 0.271 ng
RT: 11.85 min Scan# 1010
Delta R.T. 0.02 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp: 2103

Ion	Ratio	Lower	Upper
152	100		
151	18.0	14.8	22.2

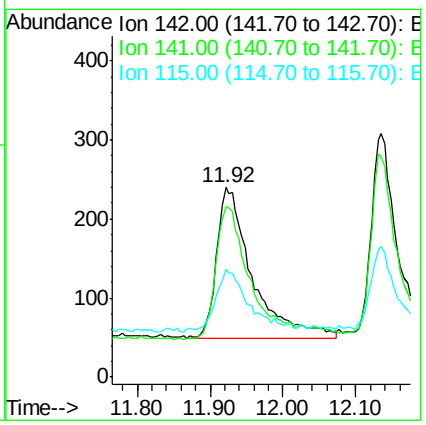


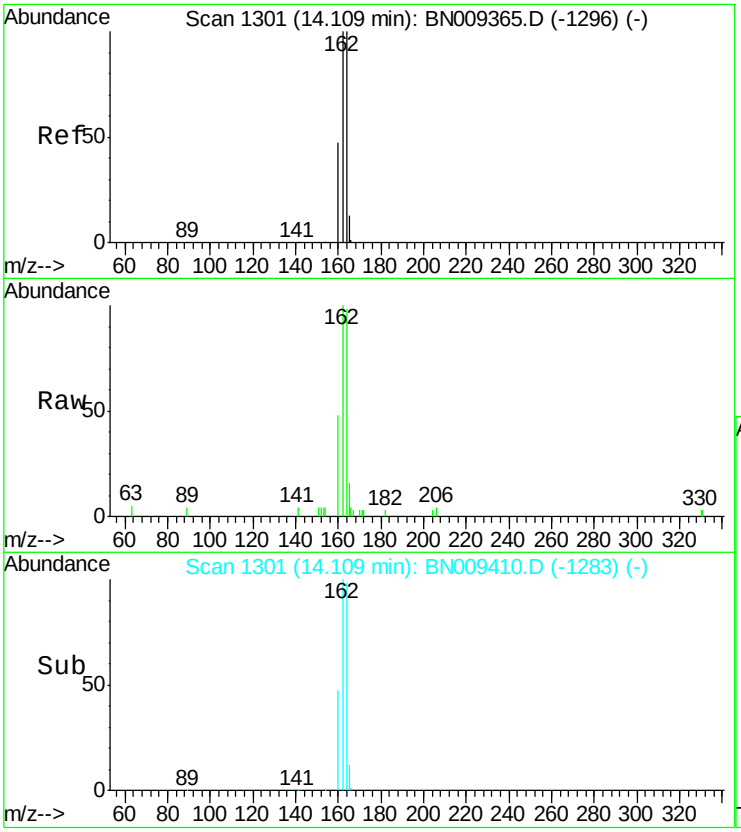


#12
2-Methylnaphthalene
Concen: 0.085 ng
RT: 11.92 min Scan# 1026
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:142 Resp: 642

Ion	Ratio	Lower	Upper
142	100		
141	90.0	69.8	104.6
115	57.1	32.5	48.7#



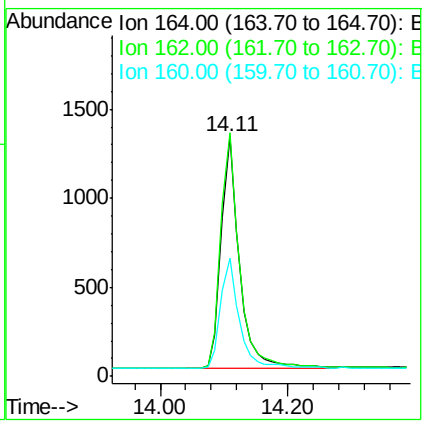


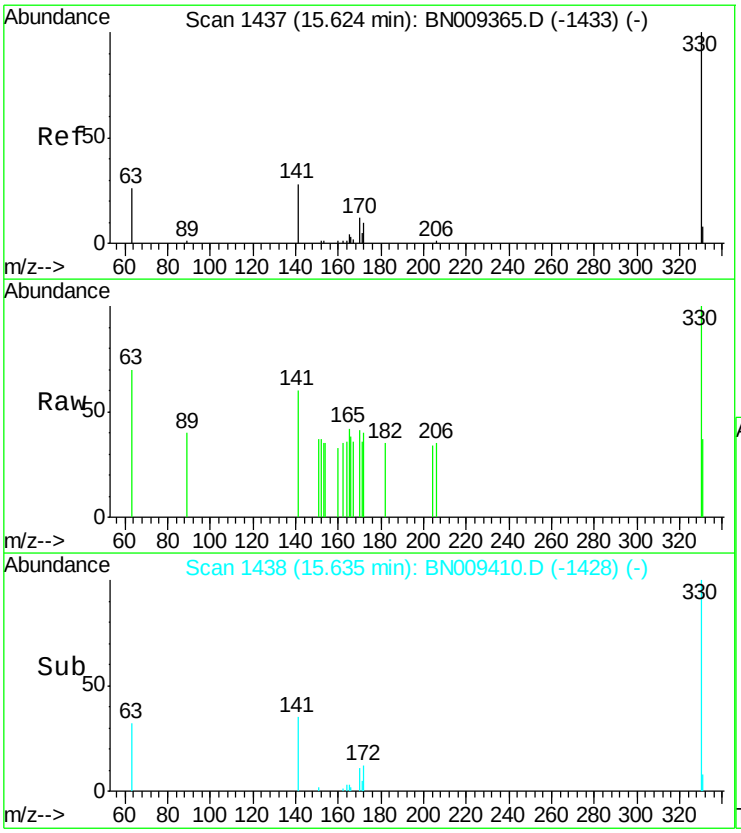
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.11 min Scan# 1301
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:164 Resp: 2585

Ion	Ratio	Lower	Upper
164	100		
162	101.6	79.8	119.6
160	49.1	38.4	57.6

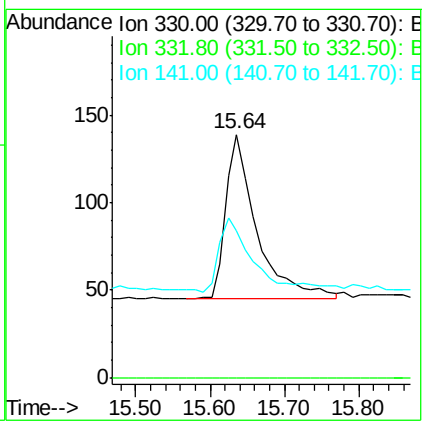


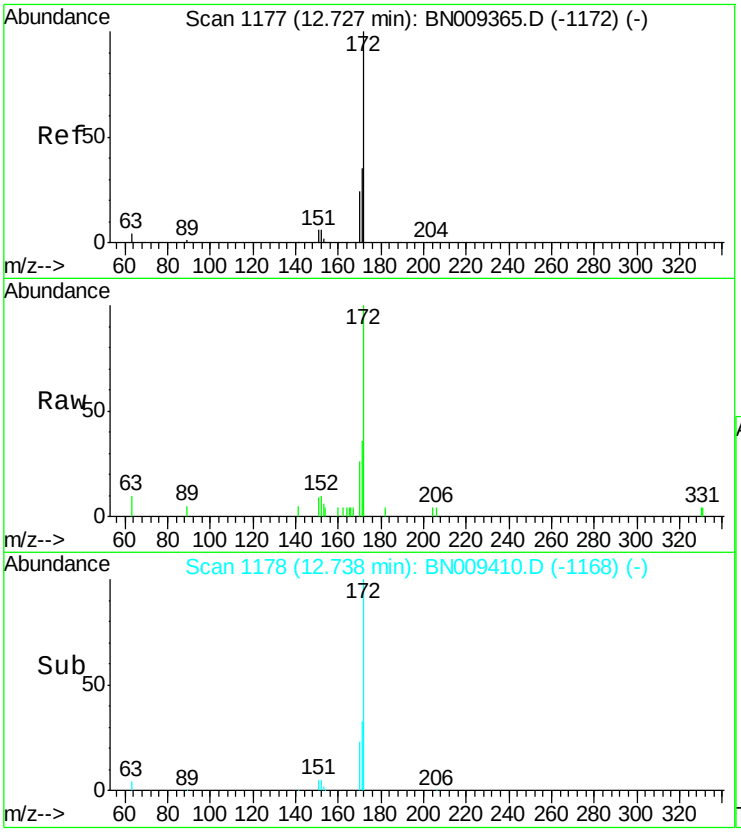


#14
2,4,6-Tribromophenol
Concen: 0.278 ng
RT: 15.64 min Scan# 1438
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:330 Resp: 272

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	46.3	33.1	49.7



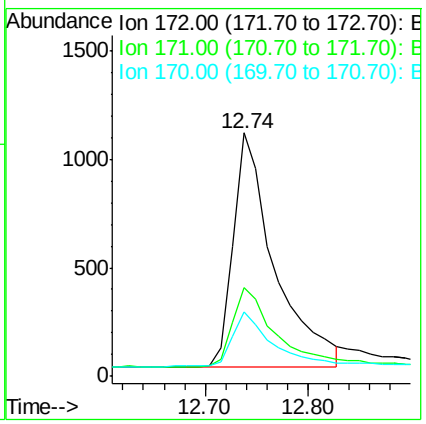


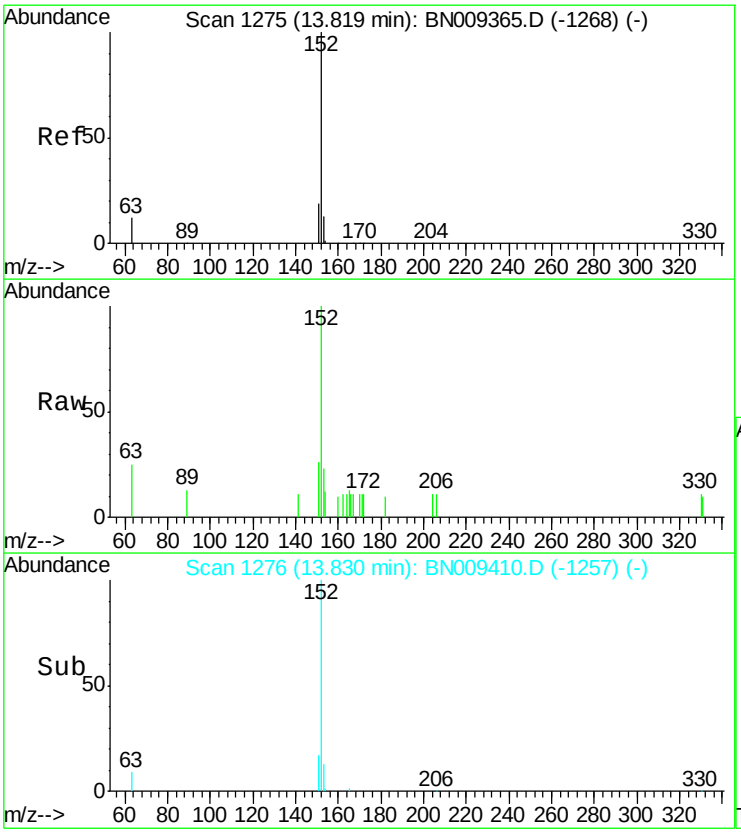
#15
2-Fluorobiphenyl
Concen: 0.307 ng
RT: 12.74 min Scan# 1178
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:172 Resp: 2970

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.5	44.3
170	26.3	20.7	31.1

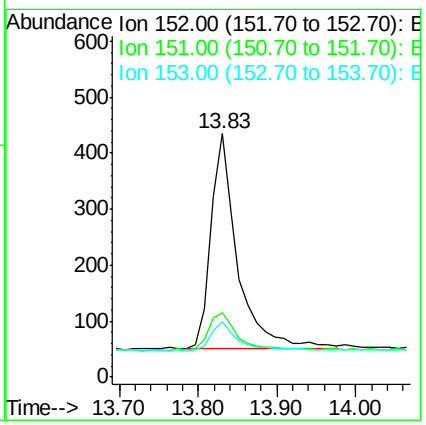


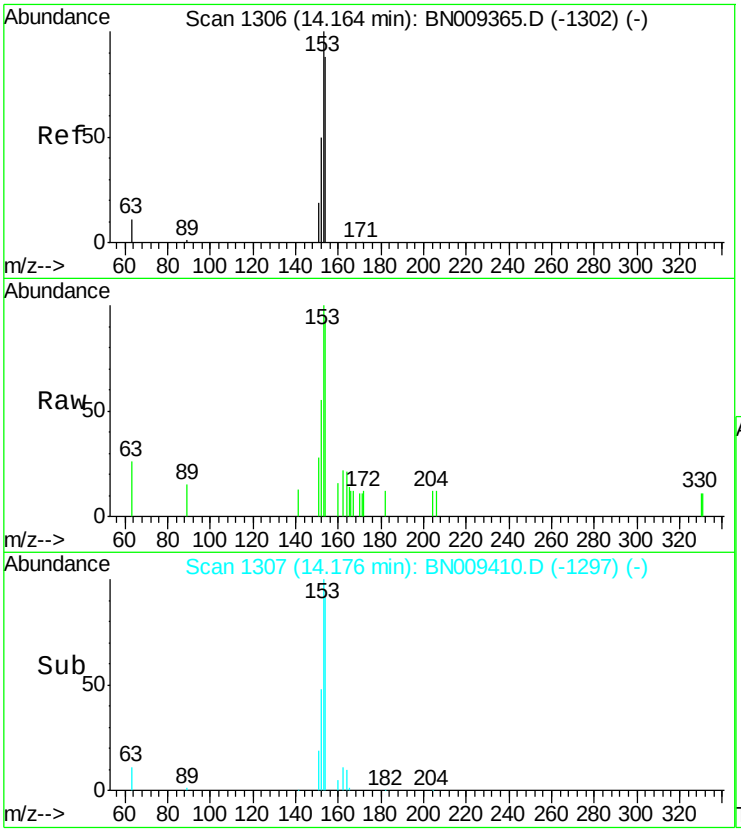


#16
Acenaphthylene
Concen: 0.081 ng
RT: 13.83 min Scan# 1276
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:152 Resp: 907

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.4	23.2
153	14.0	10.4	15.6



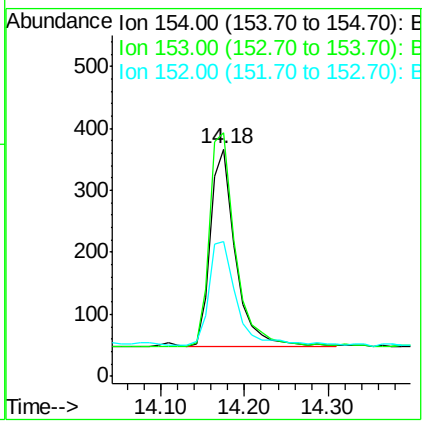


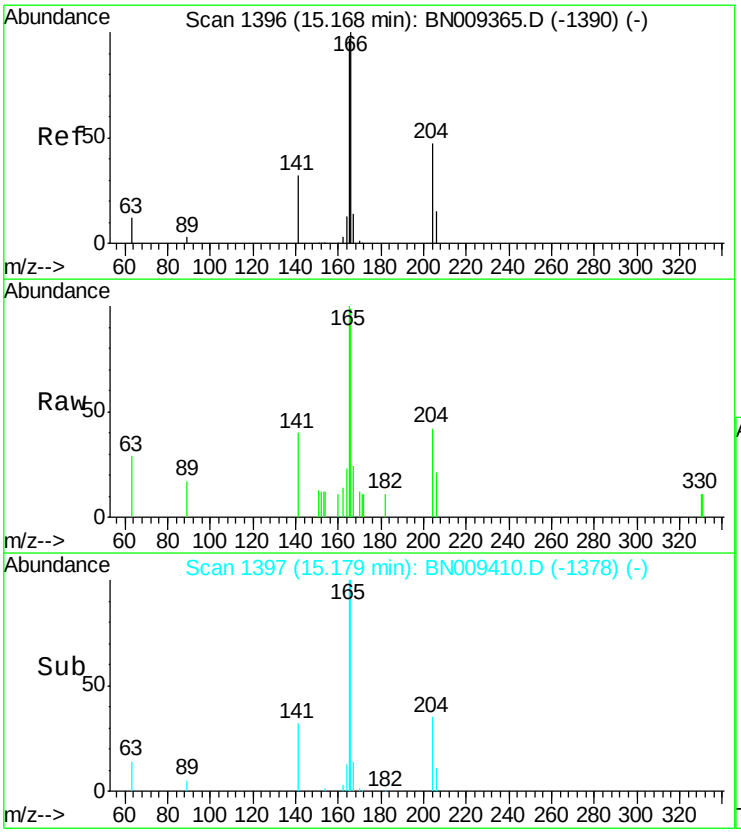
#17
Acenaphthene
Concen: 0.084 ng
RT: 14.18 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:154 Resp: 659

Ion	Ratio	Lower	Upper
154	100		
153	114.1	90.5	135.7
152	58.7	45.3	67.9

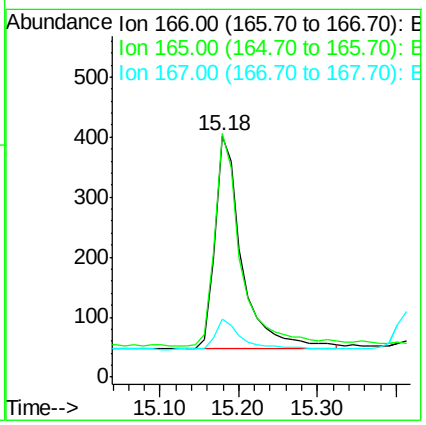


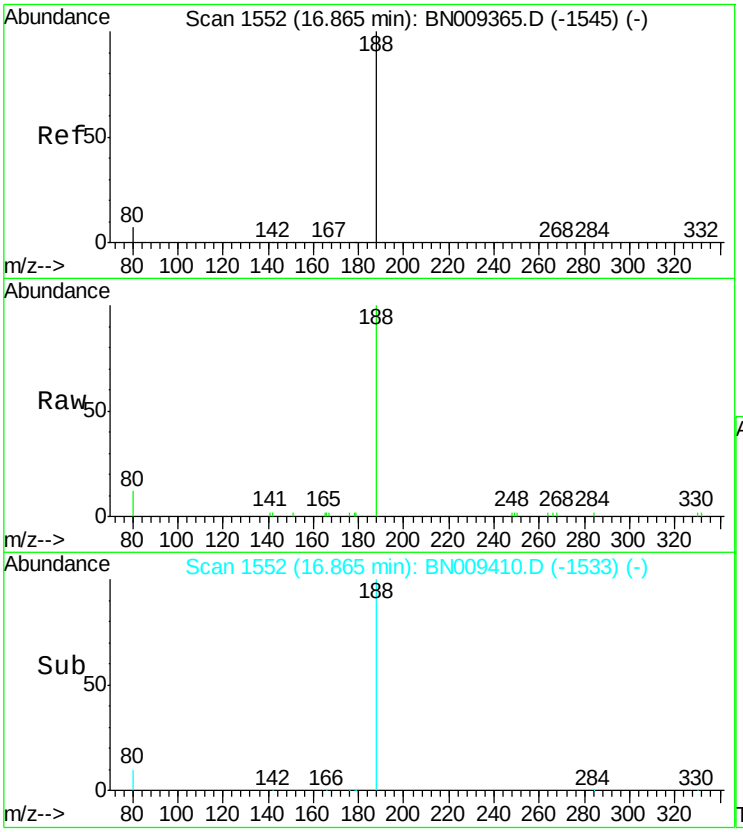


#18
Fluorene
Concen: 0.084 ng
RT: 15.18 min Scan# 1397
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:166 Resp: 855

Ion	Ratio	Lower	Upper
166	100		
165	97.2	78.2	117.2
167	14.4	11.0	16.6



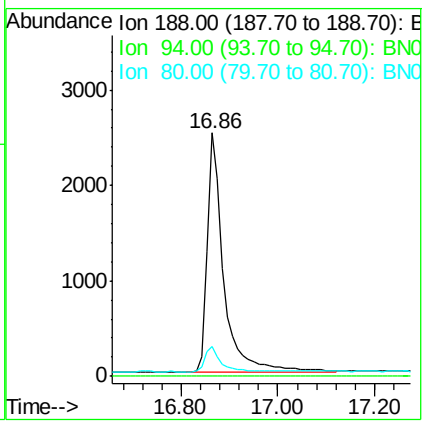


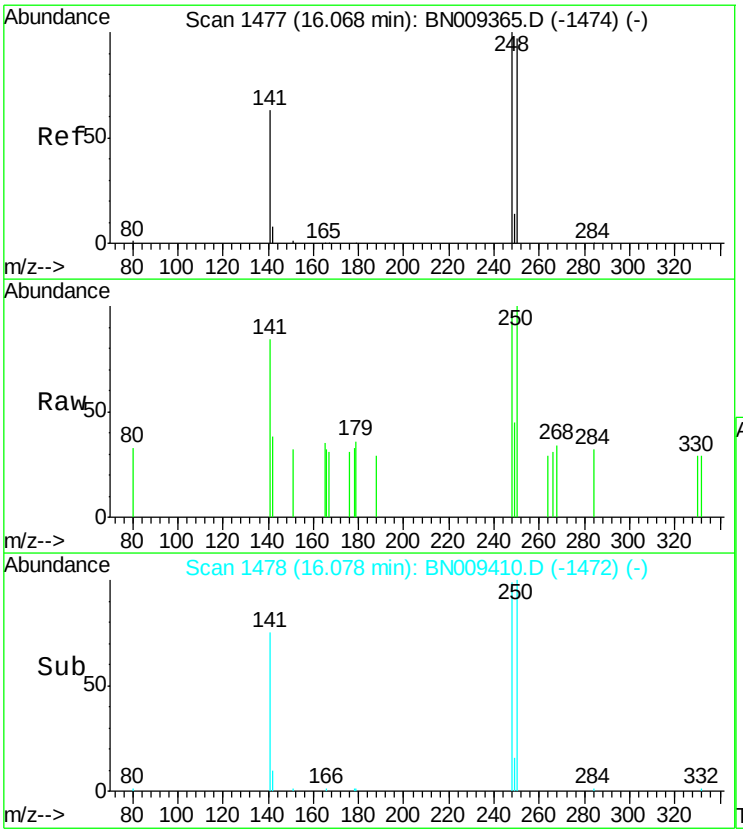
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.86 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:188 Resp: 5928

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	6.6	10.0#

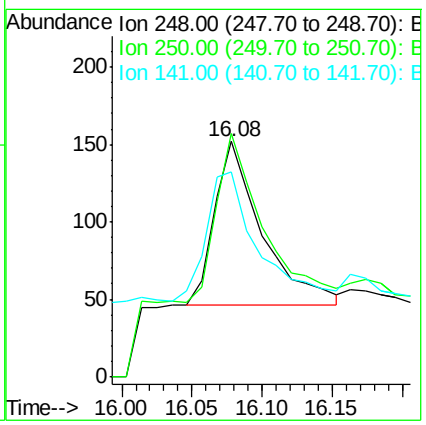


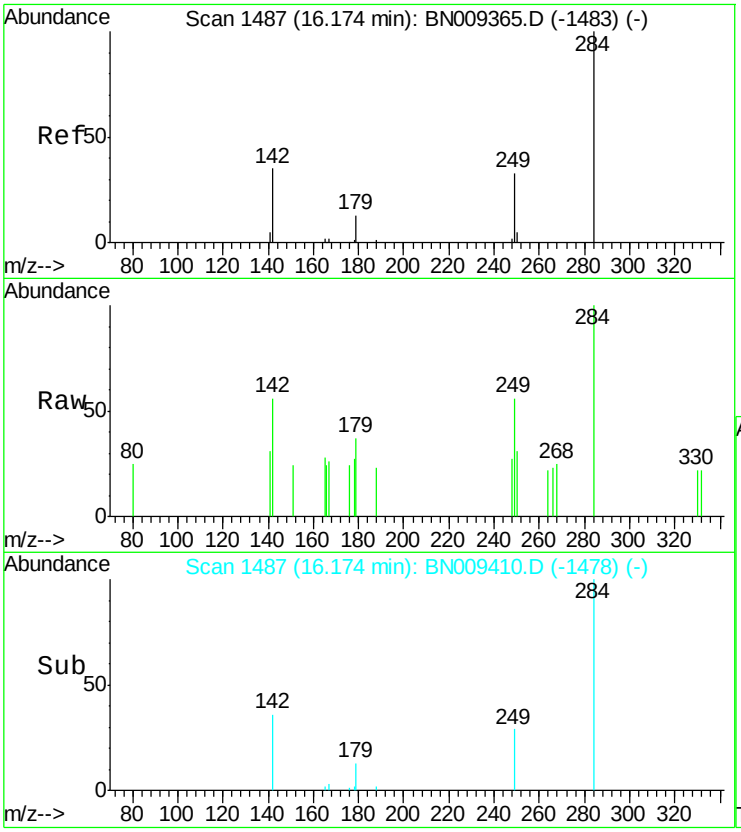


#20
4-Bromophenyl-phenylether
Concen: 0.070 ng
RT: 16.08 min Scan# 1478
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:248 Resp: 251

Ion	Ratio	Lower	Upper
248	100		
250	103.3	77.8	116.8
141	86.8	53.4	80.0#



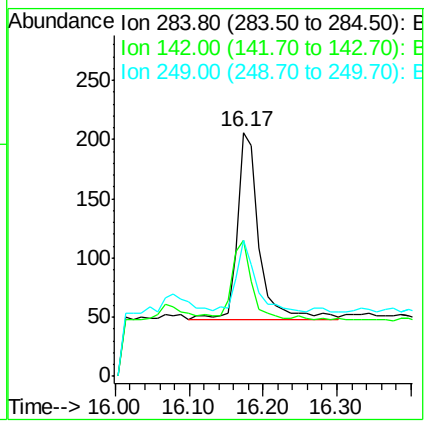


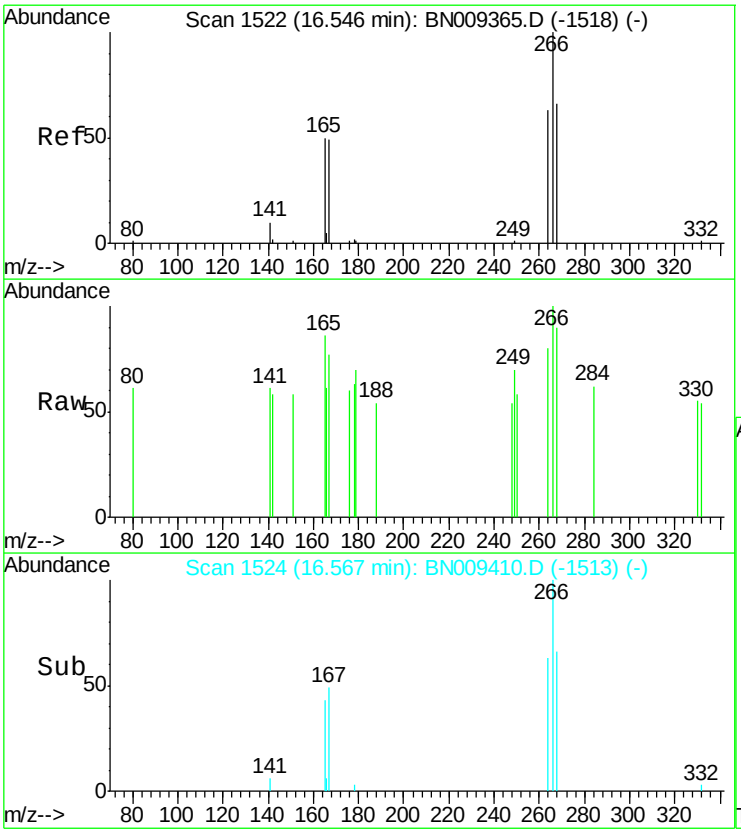
#21
Hexachlorobenzene
Concen: 0.086 ng
RT: 16.17 min Scan# 1487
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:284 Resp: 326

Ion	Ratio	Lower	Upper
284	100		
142	36.5	33.8	50.8
249	33.1	27.0	40.4

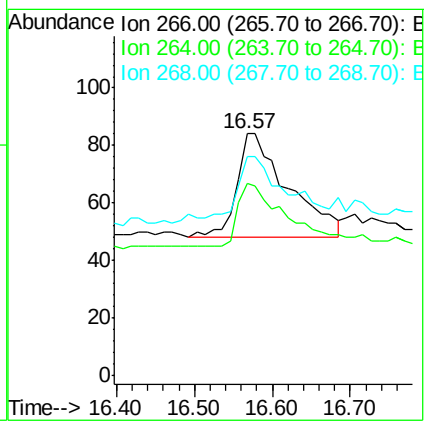


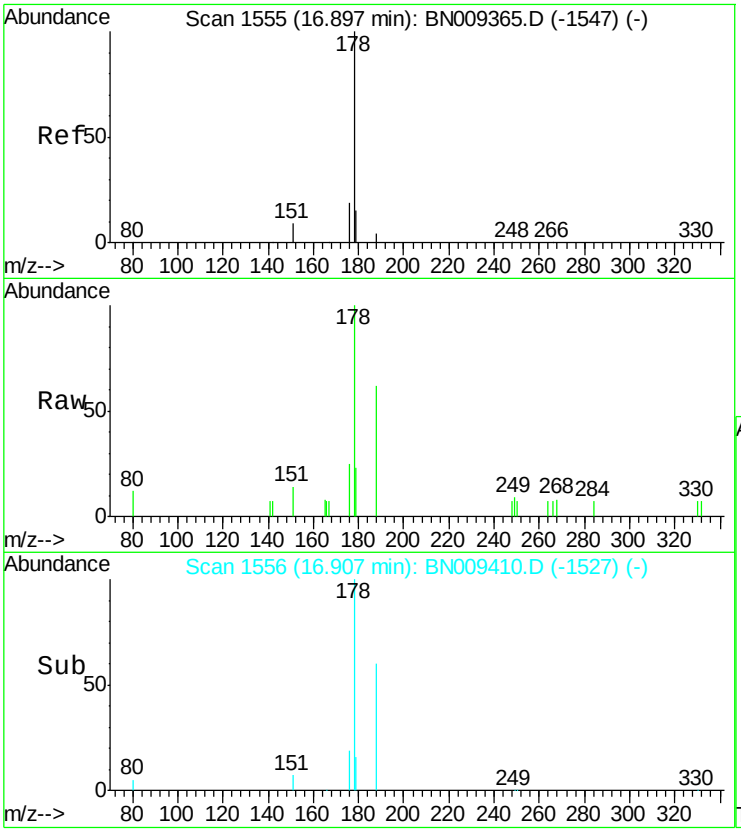


#22
Pentachlorophenol
Concen: 0.156 ng
RT: 16.57 min Scan# 1524
Delta R.T. 0.02 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:266 Resp: 166

Ion	Ratio	Lower	Upper
266	100		
264	79.8	57.8	86.6
268	90.5	63.8	95.6



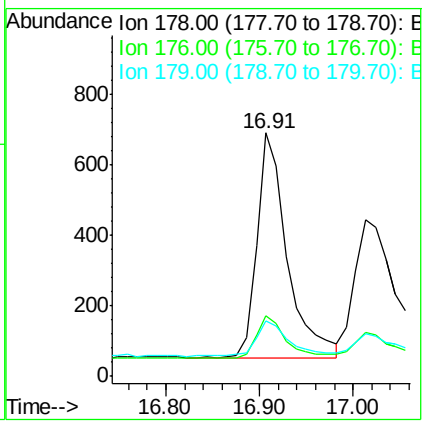


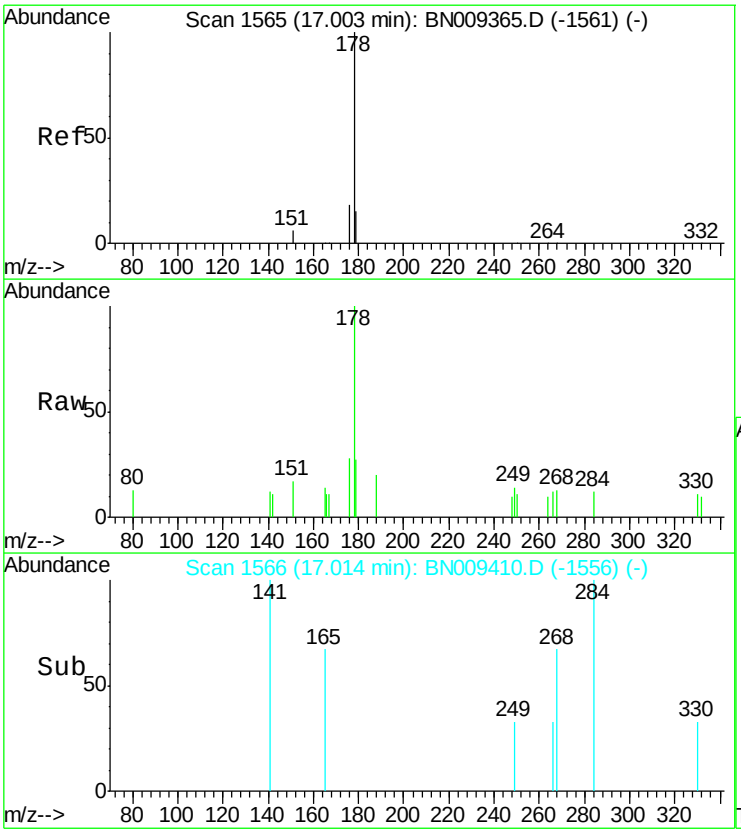
#23
Phenanthrene
Concen: 0.081 ng
RT: 16.91 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 1434

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	17.6	12.3	18.5

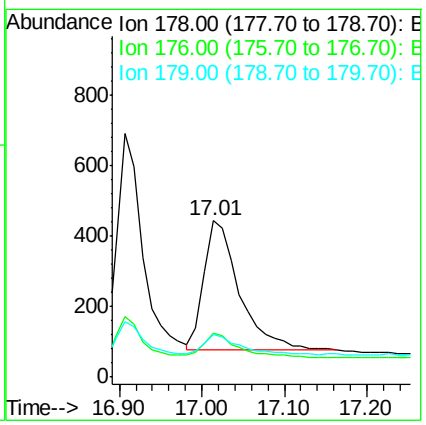


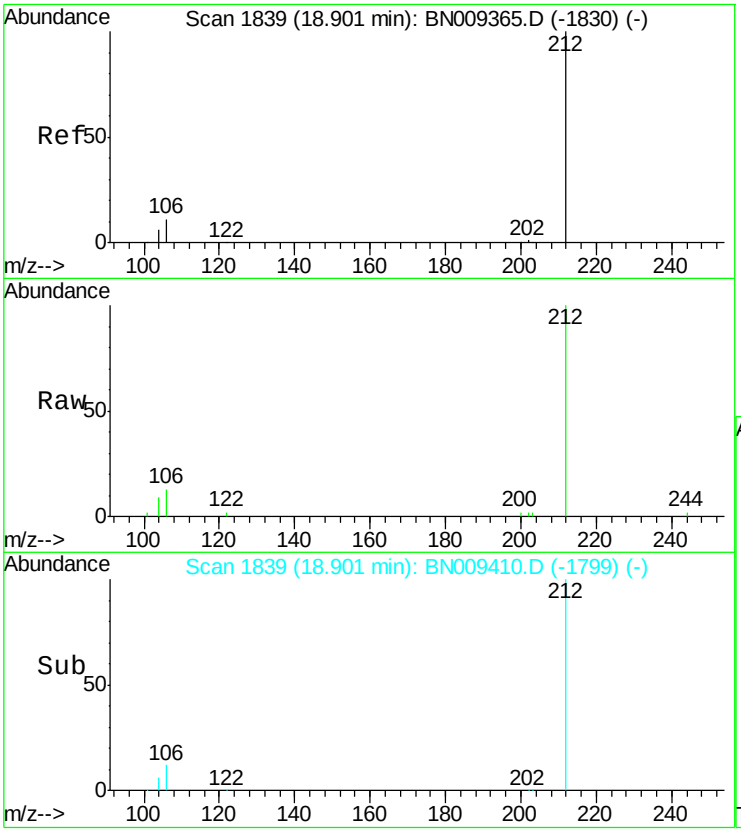


#24
Anthracene
Concen: 0.073 ng
RT: 17.01 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:178 Resp: 1091

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.1	12.5	18.7



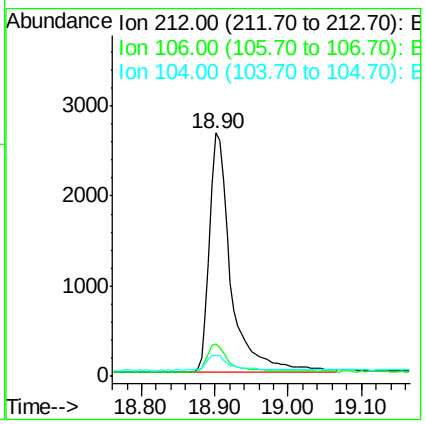


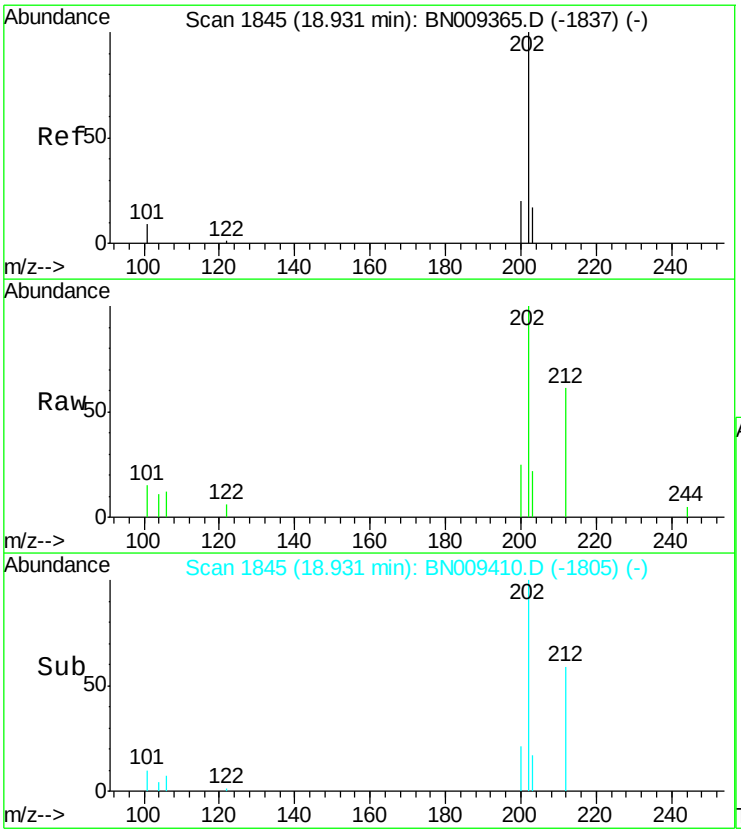
#25
Fluoranthene-d10
Concen: 0.266 ng
RT: 18.90 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:212 Resp: 5407

Ion	Ratio	Lower	Upper
212	100		
106	12.0	9.2	13.8
104	6.7	5.4	8.0

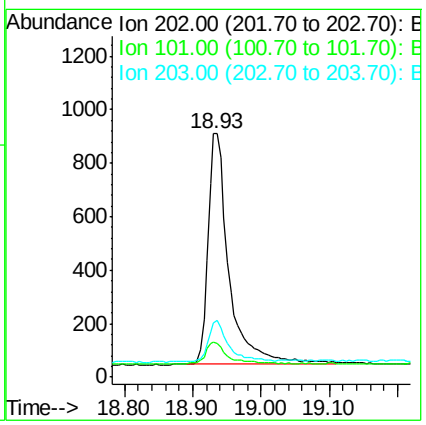


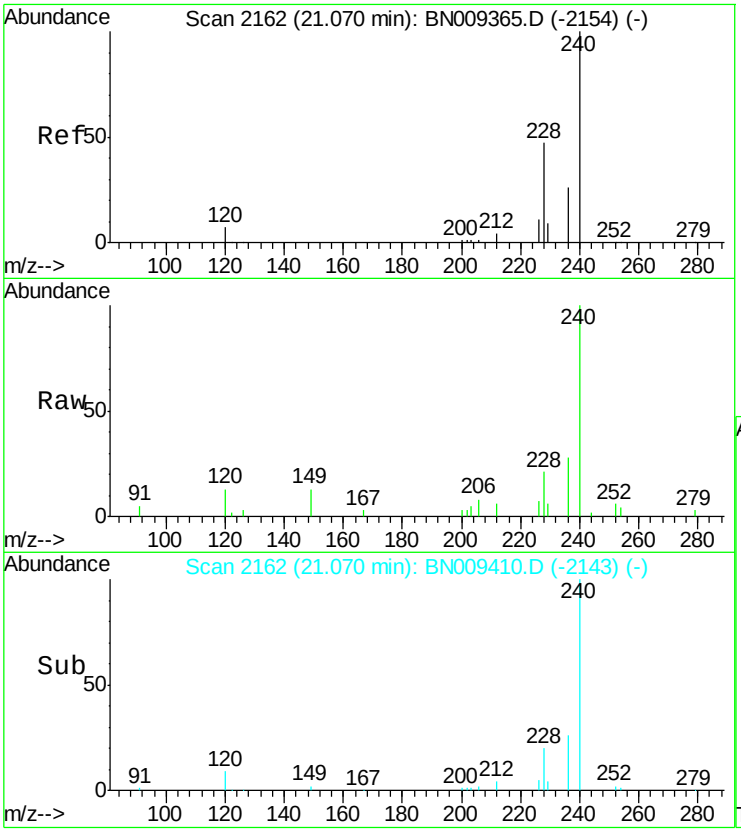


#26
Fluoranthene
Concen: 0.089 ng
RT: 18.93 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:202 Resp: 1854

Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.0	12.0
203	17.4	13.5	20.3



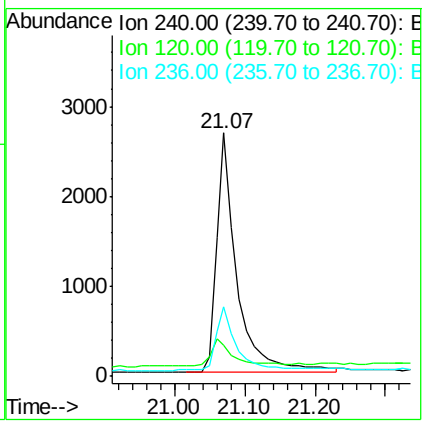


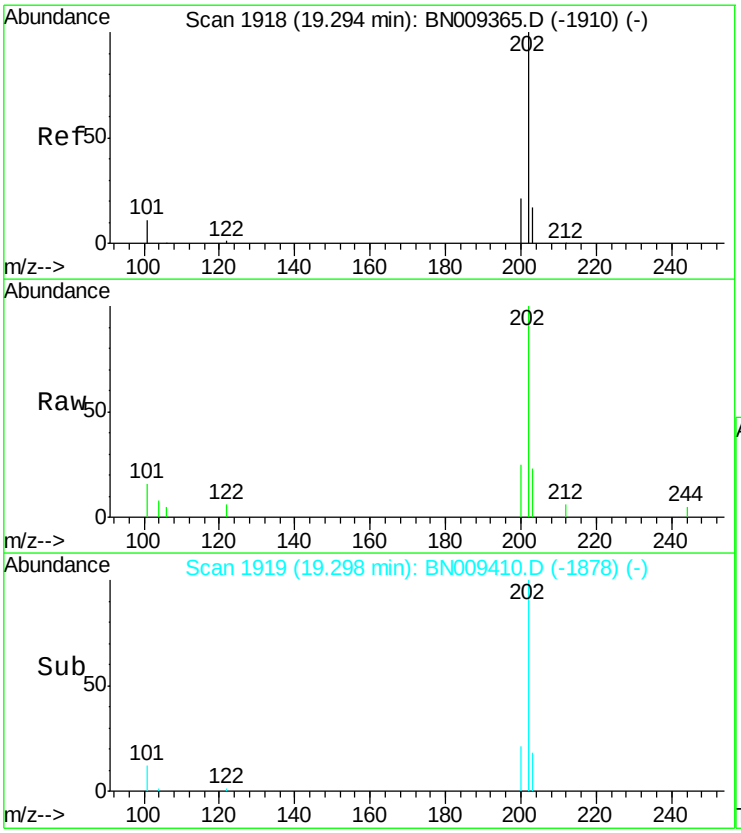
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.07 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:240 Resp: 5366

Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.1	12.1#
236	28.4	22.2	33.4

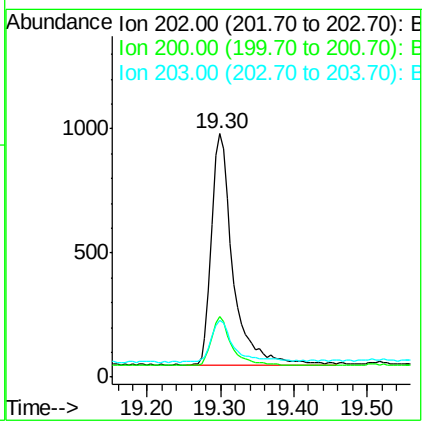


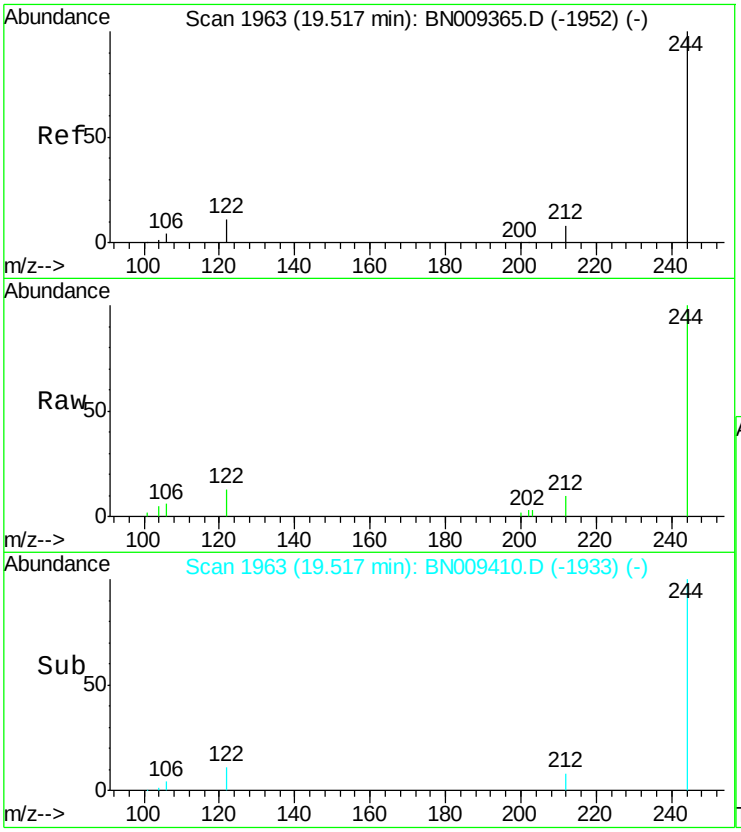


#28
Pyrene
Concen: 0.092 ng
RT: 19.30 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:202 Resp: 1881

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.2
203	17.8	14.1	21.1



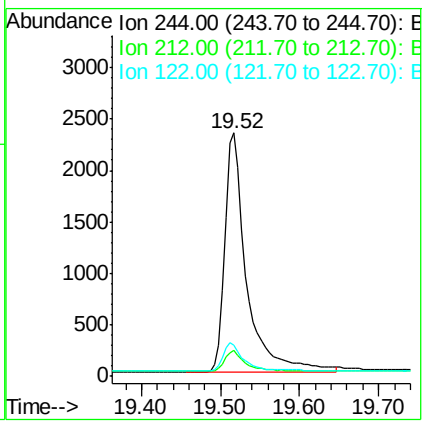


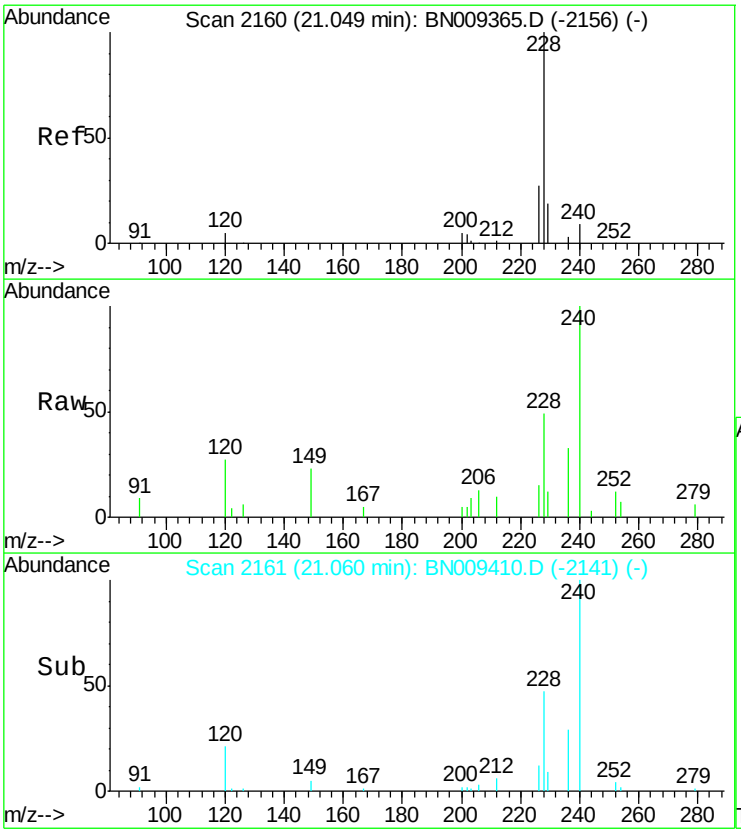
#29
Terphenyl-d14
Concen: 0.353 ng
RT: 19.52 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:244 Resp: 4483

Ion	Ratio	Lower	Upper
244	100		
212	10.4	7.5	11.3
122	12.8	9.8	14.6

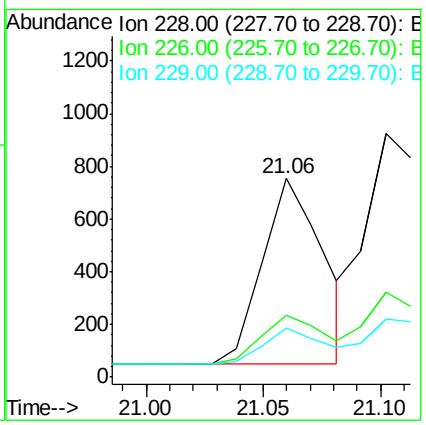


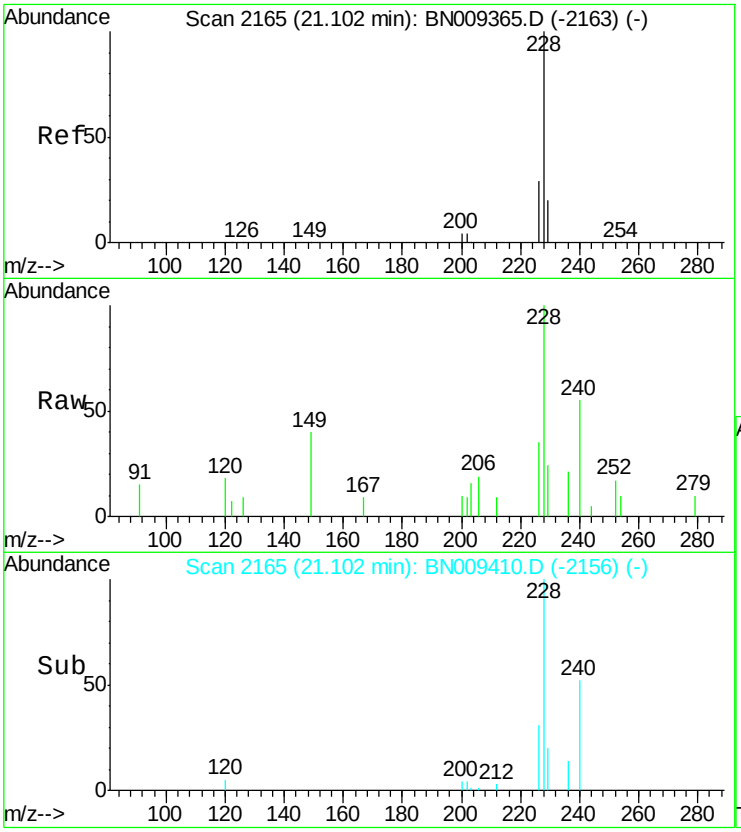


#30
Benzo(a)anthracene
Concen: 0.072 ng
RT: 21.06 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:228 Resp: 1274

Ion	Ratio	Lower	Upper
228	100		
226	31.5	22.5	33.7
229	25.0	16.1	24.1#



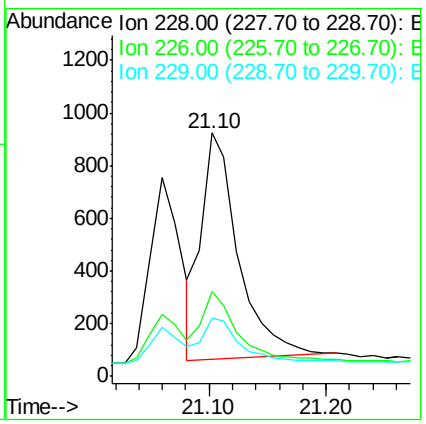


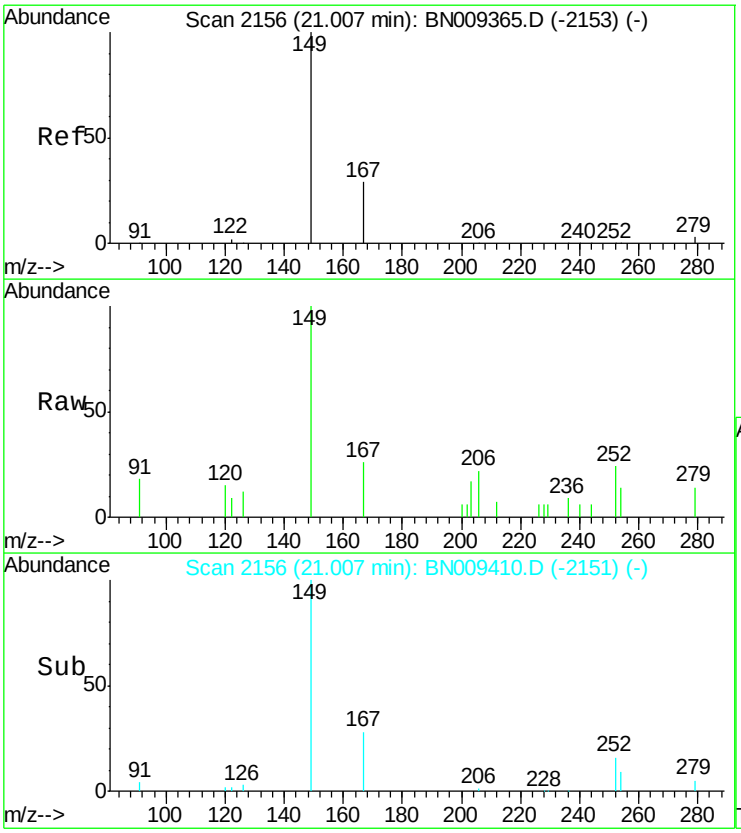
#31
Chrysene
Concen: 0.094 ng
RT: 21.10 min Scan# 2165
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp: 1898

Ion	Ratio	Lower	Upper
228	100		
226	34.8	23.8	35.8
229	24.0	16.6	24.8

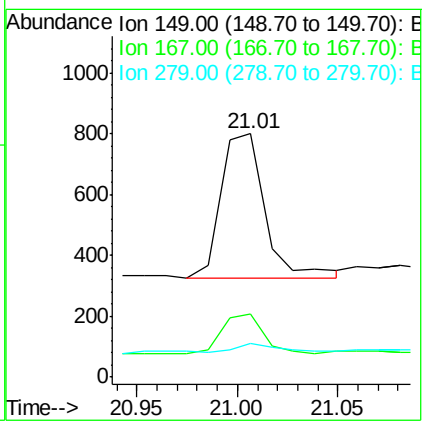


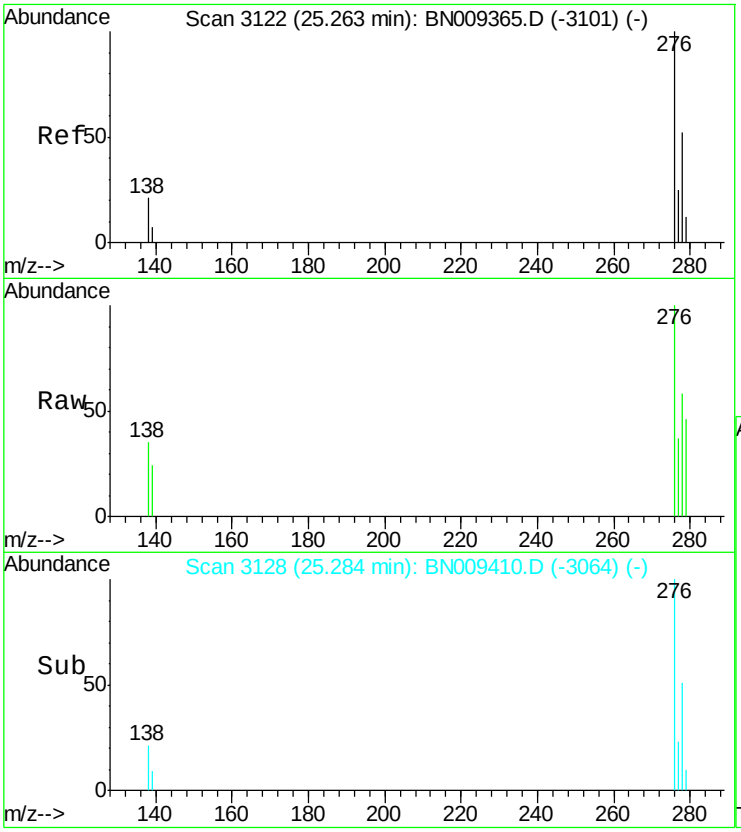


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.093 ng
RT: 21.01 min Scan# 2156
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:149 Resp: 723

Ion	Ratio	Lower	Upper
149	100		
167	25.3	22.9	34.3
279	5.3	3.4	5.0#



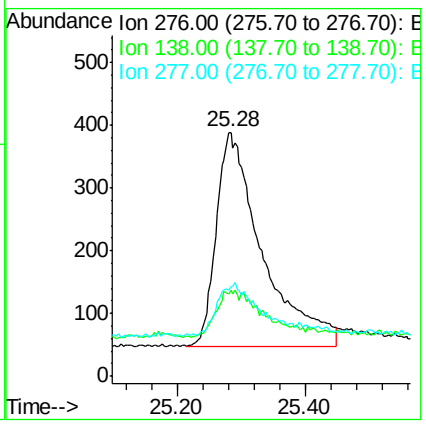


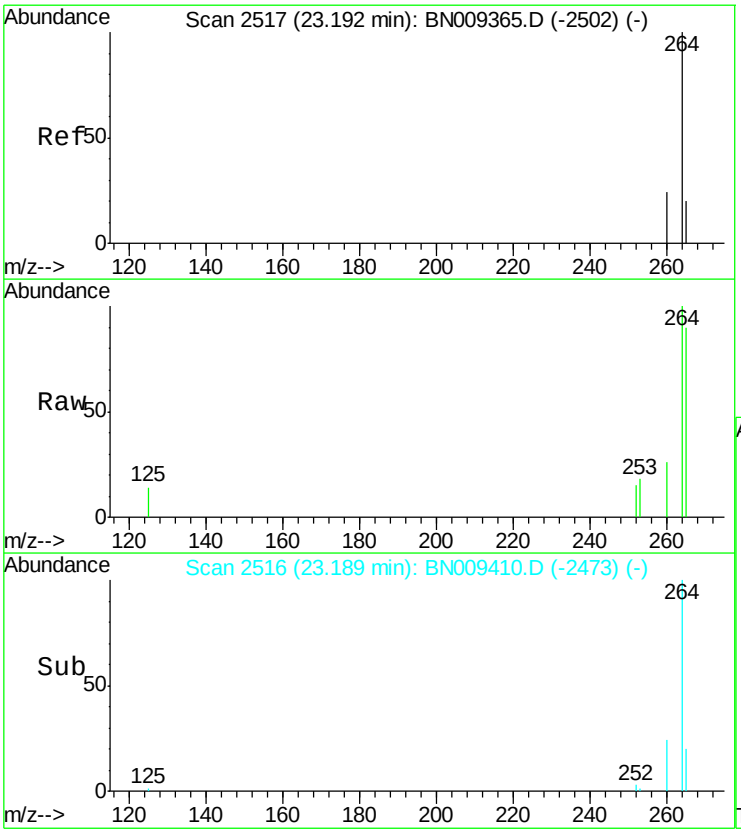
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.081 ng
RT: 25.28 min Scan# 3128
Delta R.T. 0.02 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 1690

Ion	Ratio	Lower	Upper
276	100		
138	10.6	15.9	23.9#
277	21.5	19.8	29.6

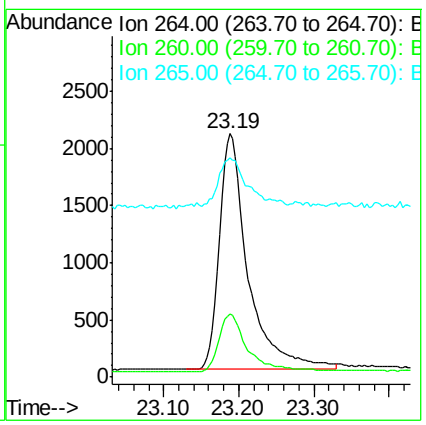


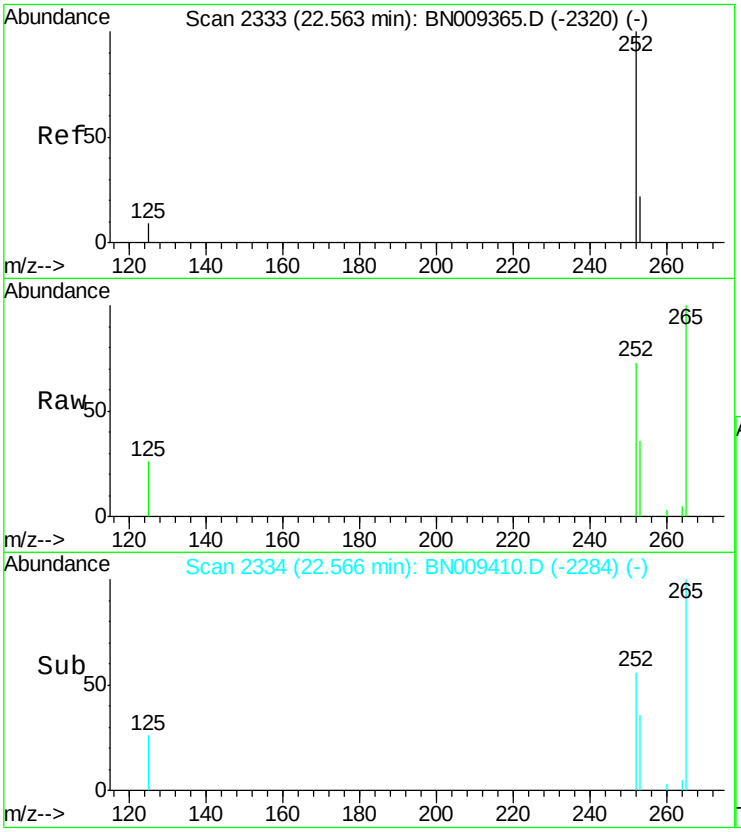


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.19 min Scan# 2516
Delta R.T. -0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:264 Resp: 5441

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.1	30.1
265	90.2	68.2	102.4



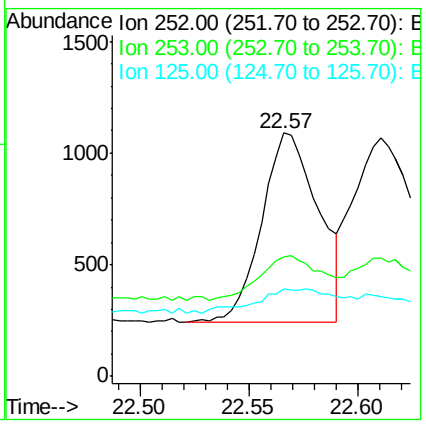


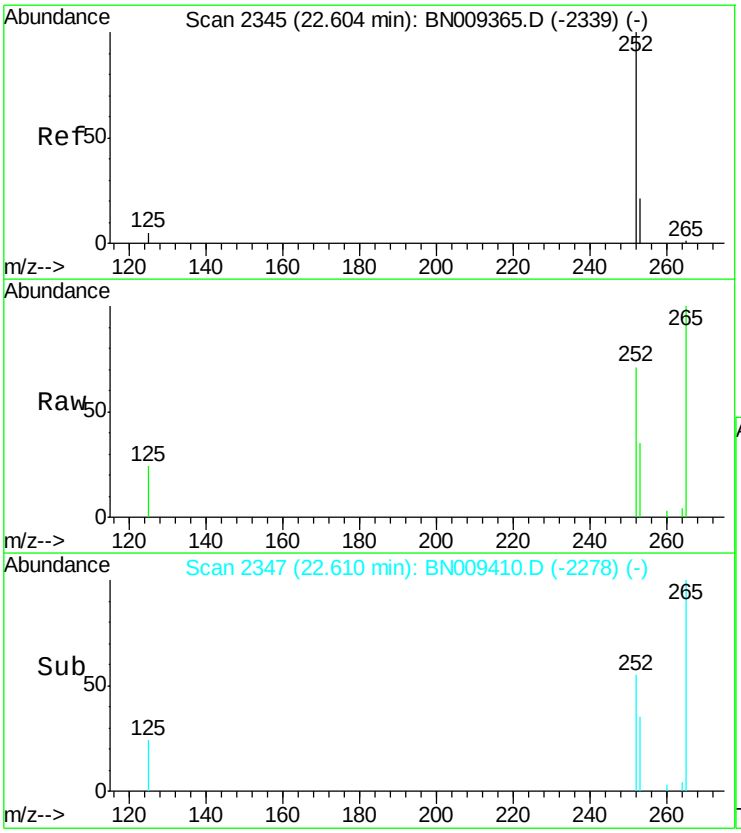
#35
Benzo(b)fluoranthene
Concen: 0.077 ng
RT: 22.57 min Scan# 2334
Delta R.T. 0.00 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 1544

Ion	Ratio	Lower	Upper
252	100		
253	49.0	22.4	33.6#
125	35.9	11.6	17.4#

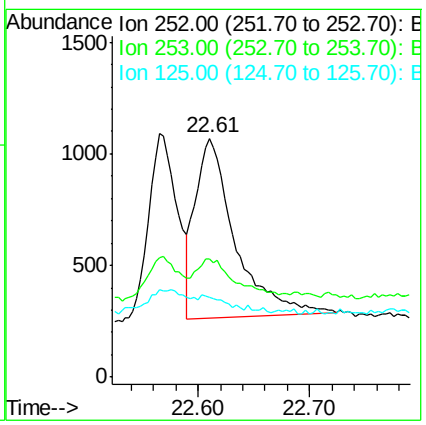


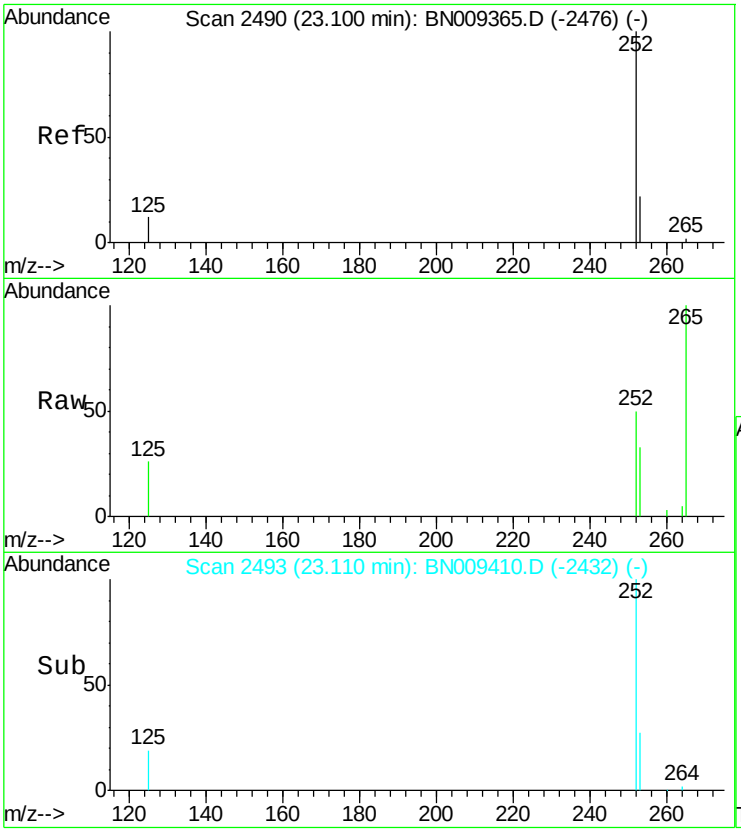


#36
Benzo(k)fluoranthene
Concen: 0.091 ng
RT: 22.61 min Scan# 2347
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:252 Resp: 2000

Ion	Ratio	Lower	Upper
252	100		
253	49.5	21.9	32.9#
125	33.4	12.0	18.0#



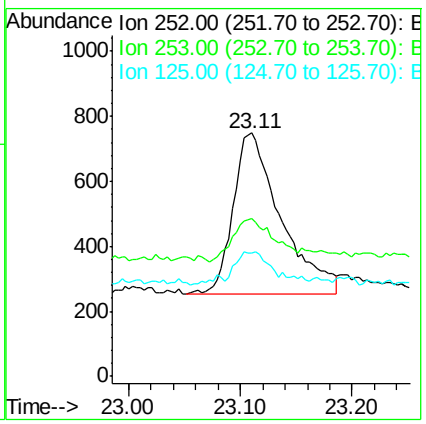


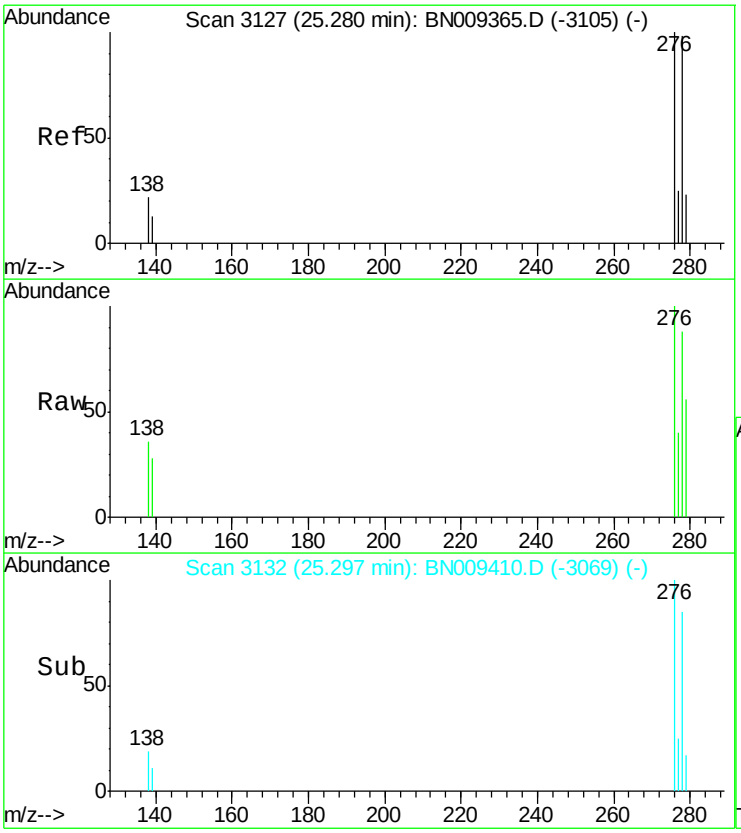
#37
Benzo(a)pyrene
Concen: 0.083 ng
RT: 23.11 min Scan# 2493
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp: 1464

Ion	Ratio	Lower	Upper
252	100		
253	64.9	25.4	38.0#
125	50.9	16.2	24.2#

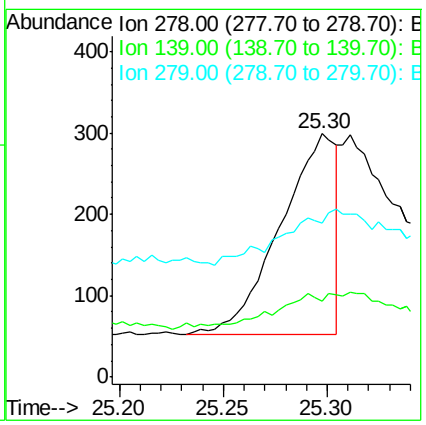


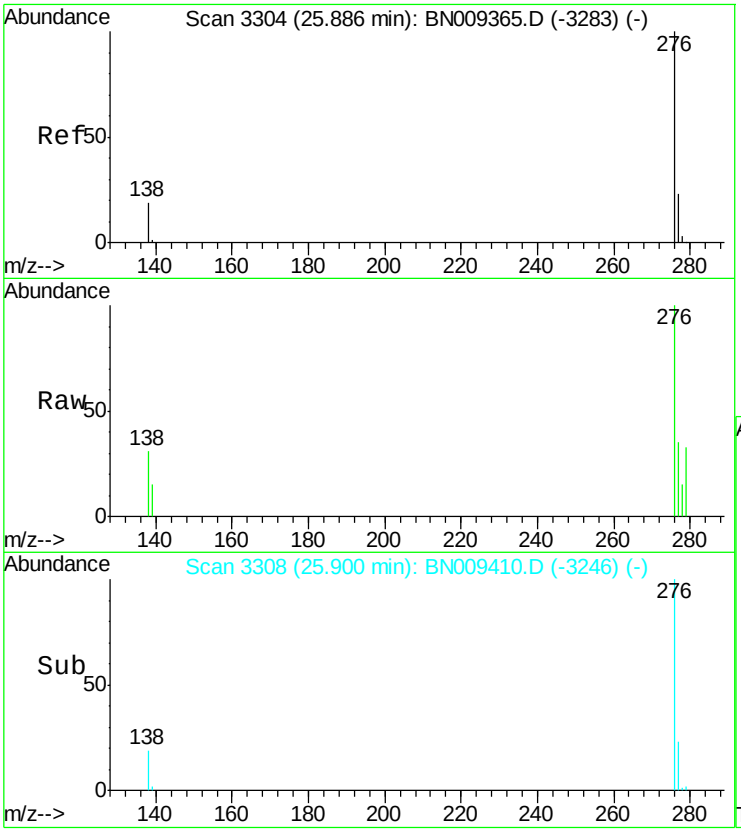


#38
Dibenzo(a,h)anthracene
Concen: 0.026 ng
RT: 25.30 min Scan# 3132
Delta R.T. 0.02 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Tgt Ion:278 Resp: 458

Ion	Ratio	Lower	Upper
278	100		
139	31.4	14.5	21.7#
279	63.2	24.2	36.4#





#39
Benzo(g,h,i)perylene
Concen: 0.082 ng
RT: 25.90 min Scan# 3308
Delta R.T. 0.01 min
Lab File: BN009410.D
Acq: 21 Jan 2020 12:16

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:276 Resp: 1604

Ion	Ratio	Lower	Upper
276	100		
277	34.7	20.6	30.8#
138	31.1	17.1	25.7#