Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
Data File : BN009778.D
Acq On : 19 Feb 2020 14:44
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDICC5.0

Quant Time: Feb 19 16:04:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 19 13:45:18 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	1353	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	4137	0.40	ng		-0.01
13) Acenaphthene-d10	14.05	164	2598	0.40	ng		-0.01
19) Phenanthrene-d10	16.80	188	5392	0.40	ng		-0.01
27) Chrysene-d12	21.03	240	5269	0.40	ng		-0.01
34) Perylene-d12	23.14	264	4889	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.07	112	13650	4.38	ng		-0.02
5) Phenol-d6	6.61	99	17720	4.92	ng		-0.03
8) Nitrobenzene-d5	8.55	82	18597	5.64	ng		-0.04
11) 2-Methylnaphthalene-d10	11.76	152	39245	4.91	ng		-0.03
14) 2,4,6-Tribromophenol	15.56	330	5547	5.65	ng		-0.02
15) 2-Fluorobiphenyl	12.66	172	47469	4.88	ng		-0.02
25) Fluoranthene-d10	18.84	212	91759	4.96	ng		-0.02
29) Terphenyl-d14	19.47	244	58785	4.71	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.08	88	6076	4.306	ng		98
3) n-Nitrosodimethylamine	3.39	42	11880	5.451	ng	#	91
6) bis(2-Chloroethyl)ether	6.86	93	16540	4.459	ng		92
9) Naphthalene	10.20	128	53606	4.788	ng	#	94
10) Hexachlorobutadiene	10.49	225	11374	4.633	ng	#	97
12) 2-Methylnaphthalene	11.83	142	37763	4.840	ng		98
16) Acenaphthylene	13.76	152	58615	5.230	ng		99
17) Acenaphthene	14.11	154	37043	4.701	ng		99
18) Fluorene	15.10	166	48736	4.746	ng		100
21) Hexachlorobenzene	16.12	284	16242	4.699	ng		99
22) Pentachlorophenol	16.47	266	5421	5.585	ng	#	83
23) Phenanthrene	16.85	178	78967	4.875	ng		99
24) Anthracene	16.94	178	72328	5.318	ng		100
26) Fluoranthene	18.88	202	93884	4.940	ng		99
28) Pyrene	19.25	202	92589	4.636	ng		100
30) Benzo(a)anthracene	21.00	228	90969	5.252	ng		97
31) Chrysene	21.06	228	91509	4.619	ng		97
32) Bis(2-ethylhexyl)phthalate	20.96	149	42706	5.576	ng		99
33) Indeno(1,2,3-cd)pyrene	25.18	276	101616	4.931	ng		97
35) Benzo(b)fluoranthene	22.51	252	88696	4.932	ng	#	84
36) Benzo(k)fluoranthene	22.55	252	94140	4.743	ng	#	89
37) Benzo(a)pyrene	23.04	252	80551	5.089	ng	#	80
38) Dibenzo(a,h)anthracene	25.19	278	82154	5.159	ng	#	89
39) Benzo(g,h,i)perylene	25.80	276	83062	4.741	ng		95

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

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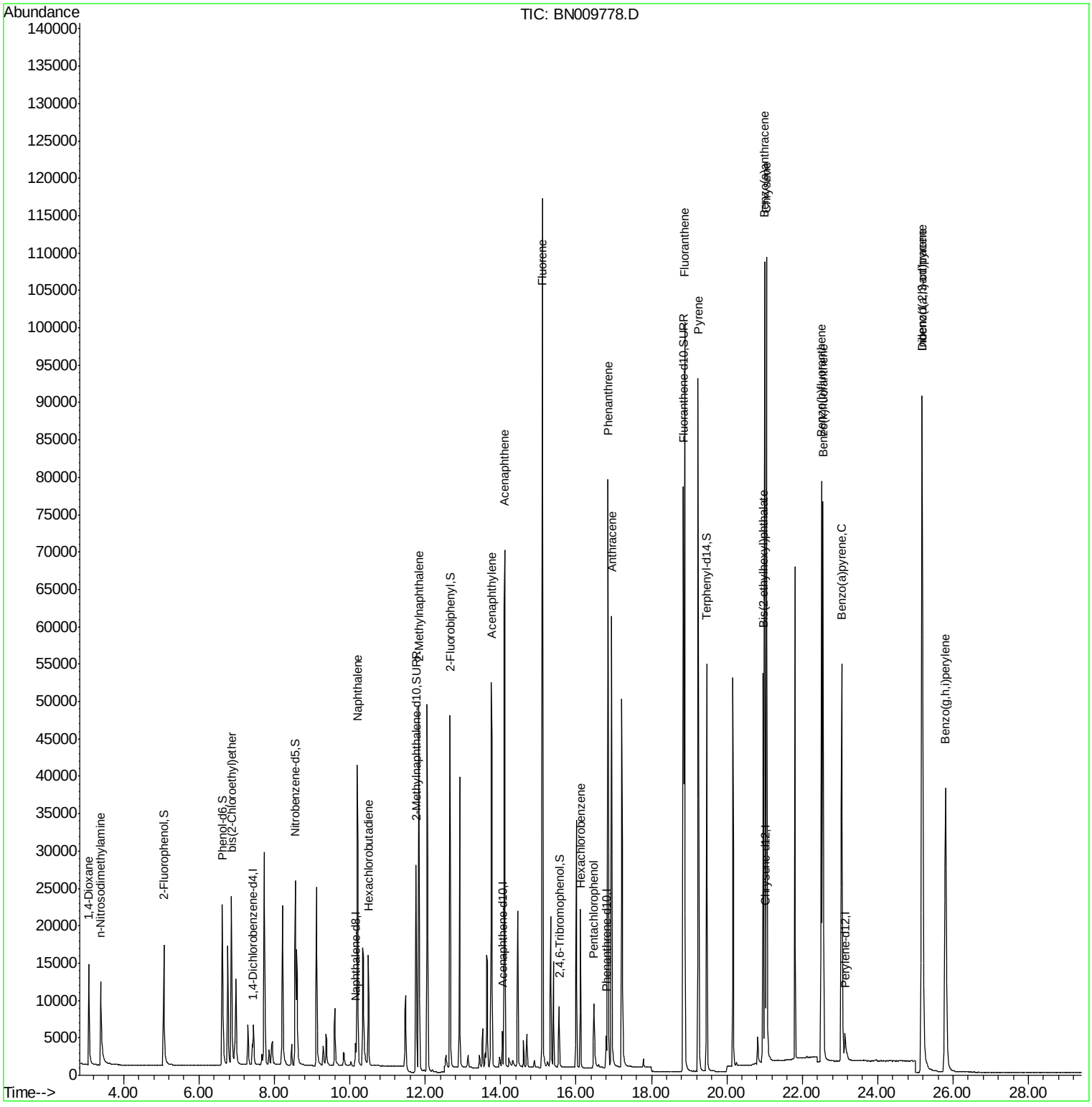
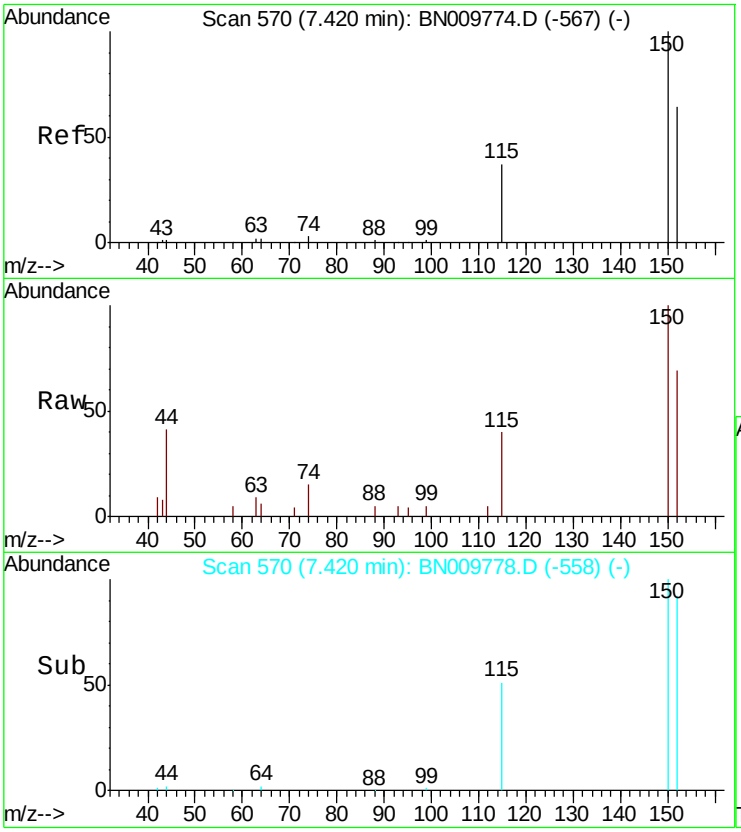
Acq On : 19 Feb 2020 14:44
Operator : CG/JU
Sample : SSTDICC5.0
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Quant Time: Feb 19 16:04:17 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 19 13:45:18 2020
Response via : Initial Calibration



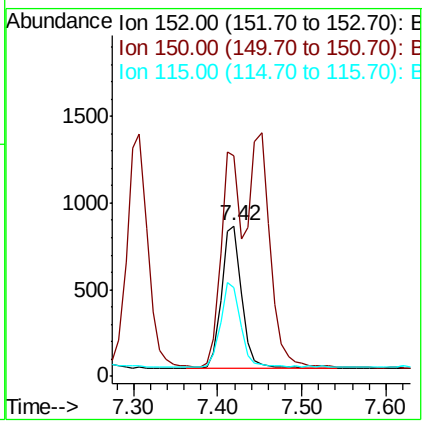


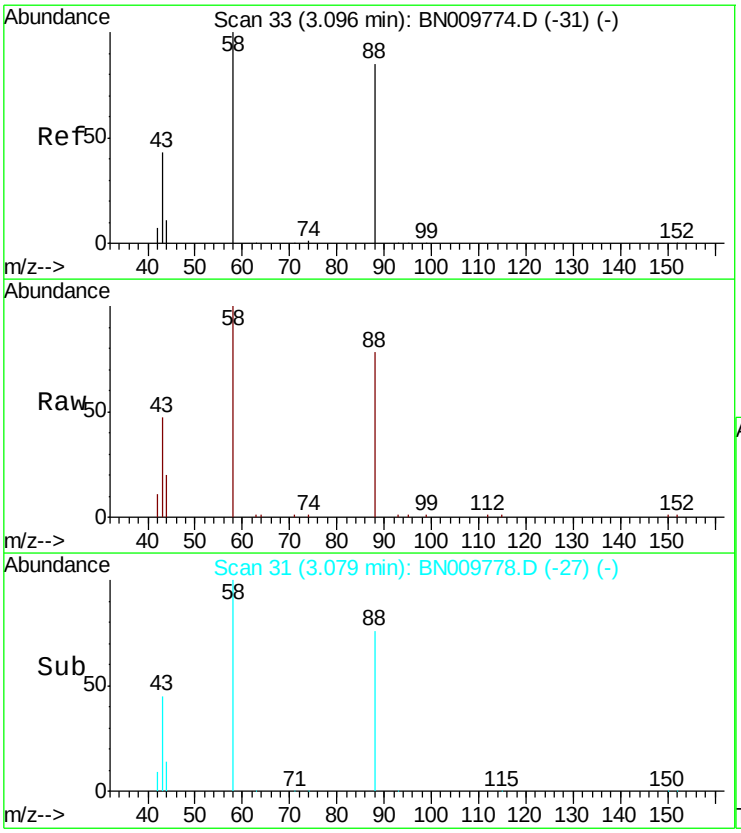
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 570
Delta R.T. -0.00 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 1353

Ion	Ratio	Lower	Upper
152	100		
150	146.0	120.6	181.0
115	58.6	51.2	76.8

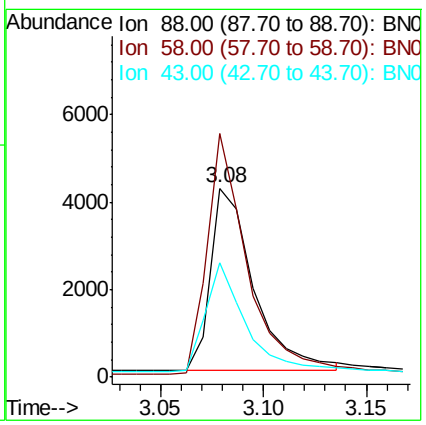


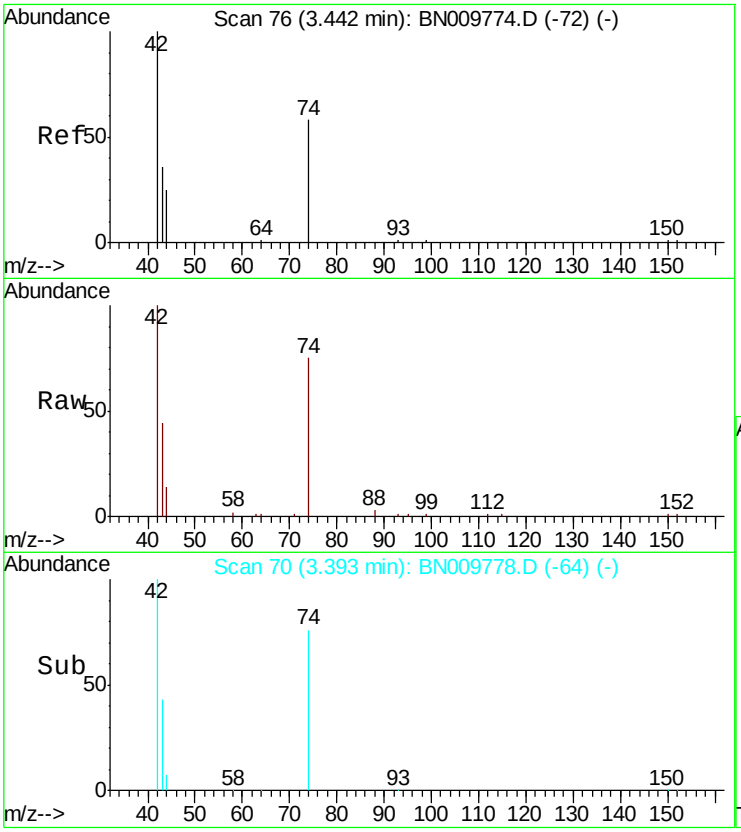


#2
1,4-Dioxane
Concen: 4.306 ng
RT: 3.08 min Scan# 31
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion: 88 Resp: 6076

Ion	Ratio	Lower	Upper
88	100		
58	120.7	97.8	146.8
43	53.5	45.1	67.7



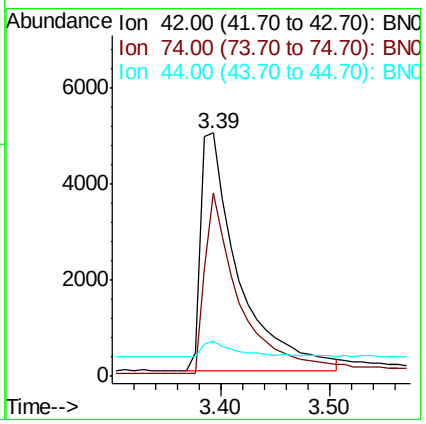


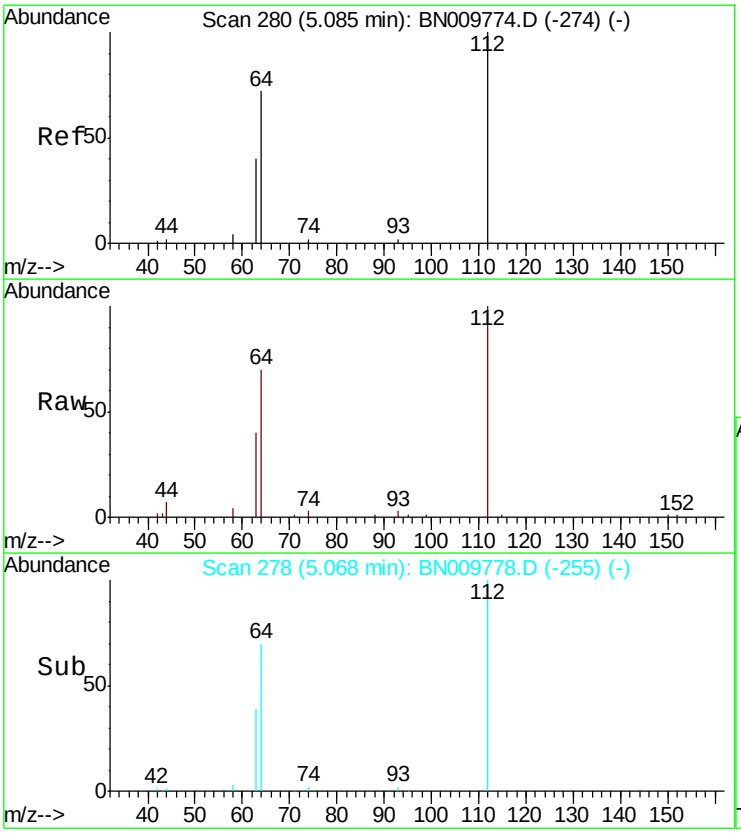
#3
n-Nitrosodimethylamine
Concen: 5.451 ng
RT: 3.39 min Scan# 70
Delta R.T. -0.05 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 42 Resp: 11880

Ion	Ratio	Lower	Upper
42	100		
74	70.7	51.2	76.8
44	6.5	2.6	4.0#

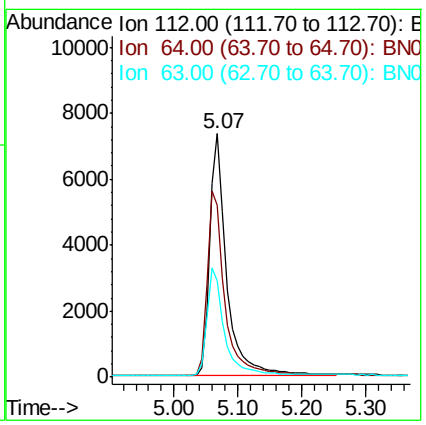


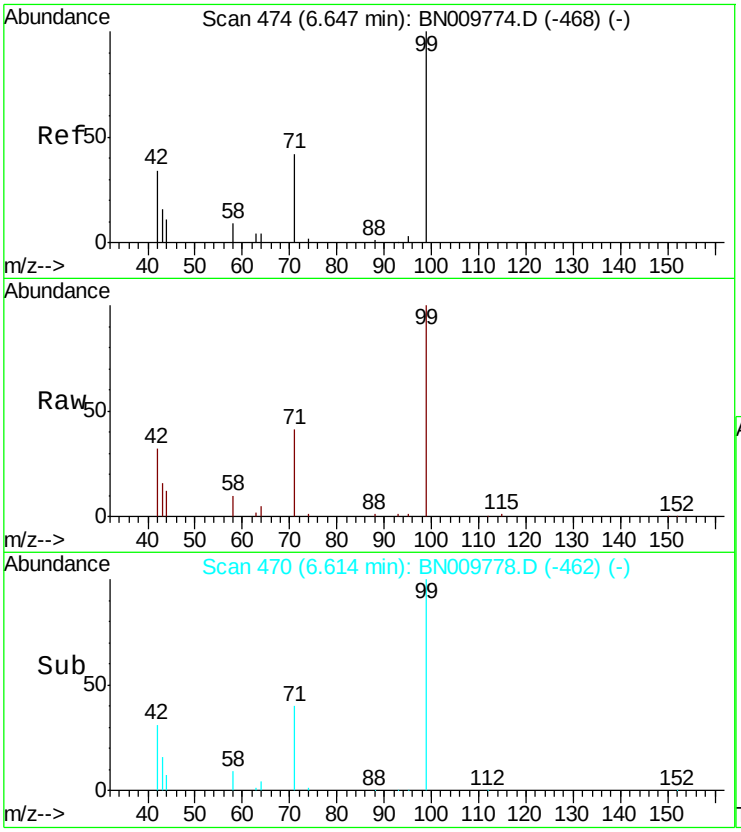


#4
2-Fluorophenol
Concen: 4.383 ng
RT: 5.07 min Scan# 278
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:112 Resp: 13650

Ion	Ratio	Lower	Upper
112	100		
64	78.6	65.8	98.6
63	45.0	38.7	58.1



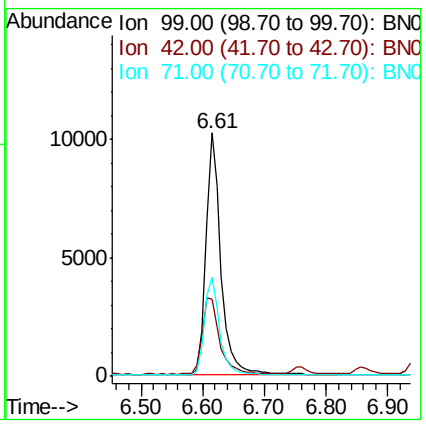


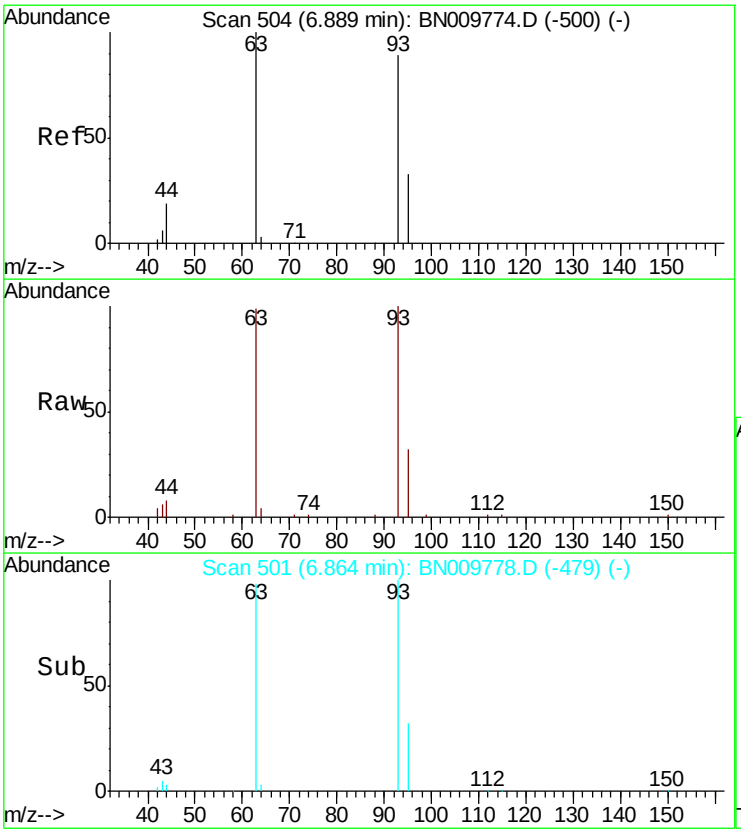
#5
Phenol-d6
Concen: 4.917 ng
RT: 6.61 min Scan# 470
Delta R.T. -0.03 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion: 99 Resp: 17720

Ion	Ratio	Lower	Upper
99	100		
42	35.4	30.8	46.2
71	41.2	34.9	52.3

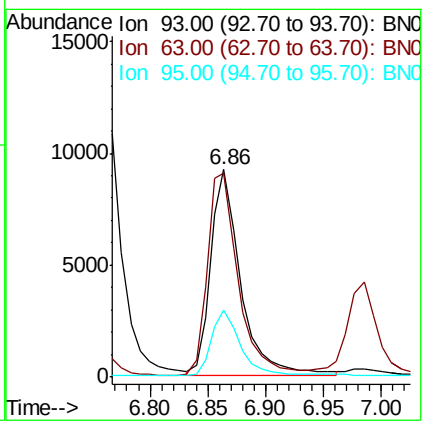


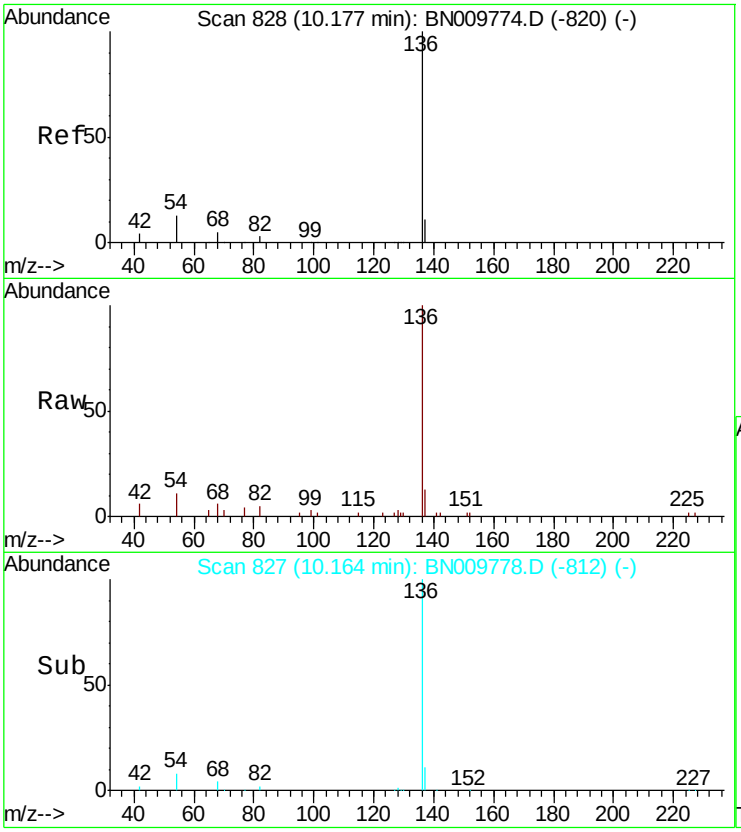


#6
bis(2-Chloroethyl)ether
Concen: 4.459 ng
RT: 6.86 min Scan# 501
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion: 93 Resp: 16540

Ion	Ratio	Lower	Upper
93	100		
63	101.2	74.0	111.0
95	31.1	26.7	40.1



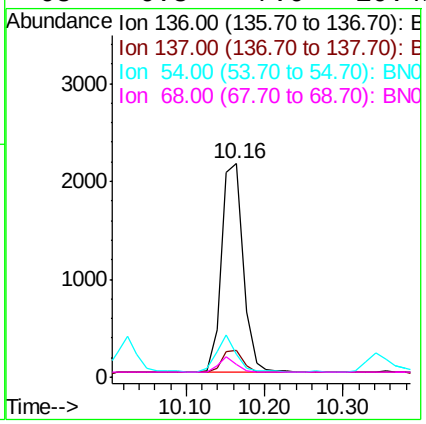


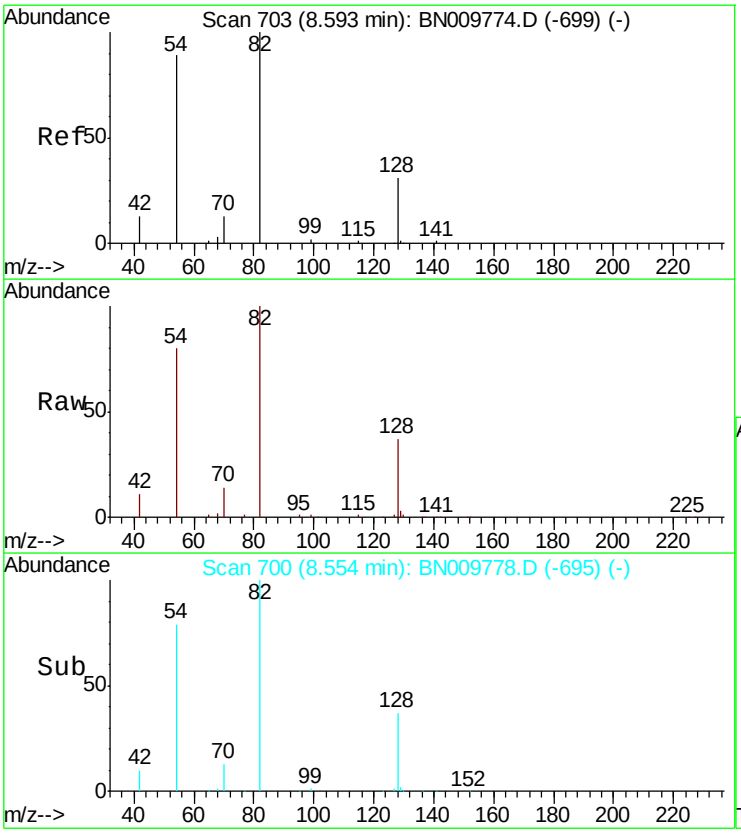
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 827
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:136 Resp: 4137

Ion	Ratio	Lower	Upper
136	100		
137	12.7	11.3	16.9
54	10.9	13.4	20.2#
68	6.3	7.0	10.4#

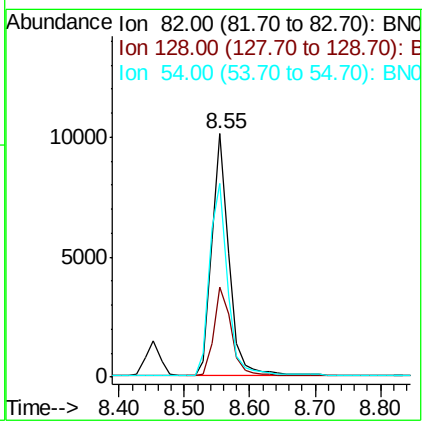


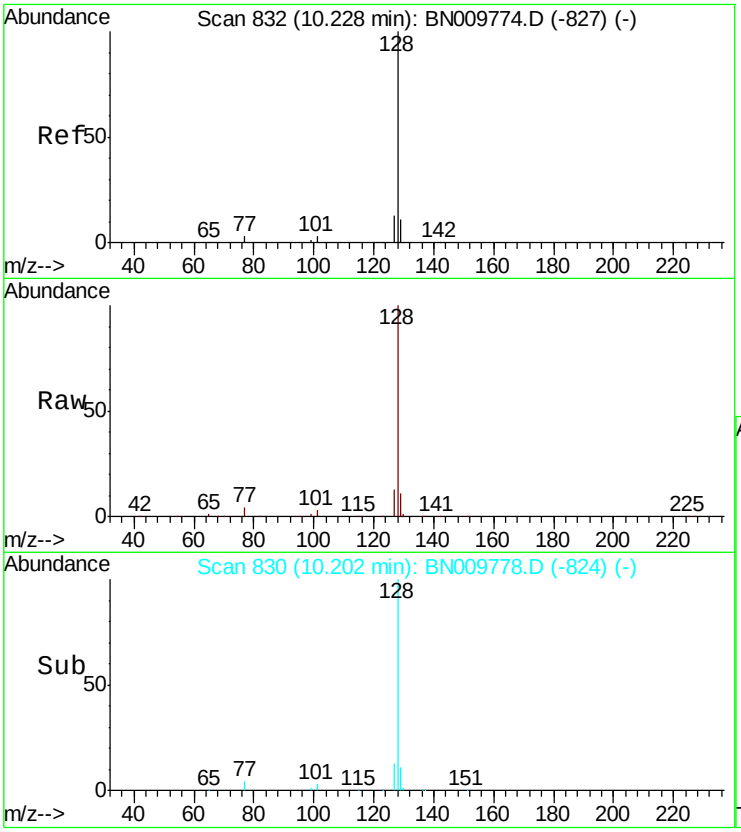


#8
Nitrobenzene-d5
Concen: 5.639 ng
RT: 8.55 min Scan# 700
Delta R.T. -0.04 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion: 82 Resp: 18597

Ion	Ratio	Lower	Upper
82	100		
128	36.9	32.5	48.7
54	79.6	73.5	110.3



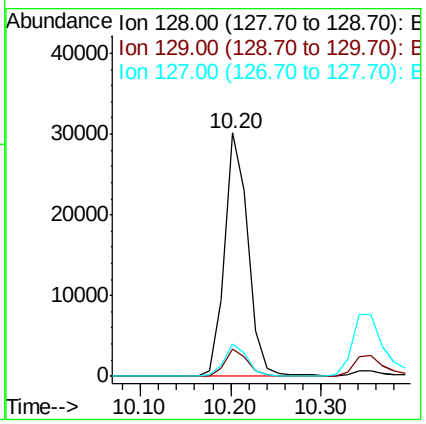


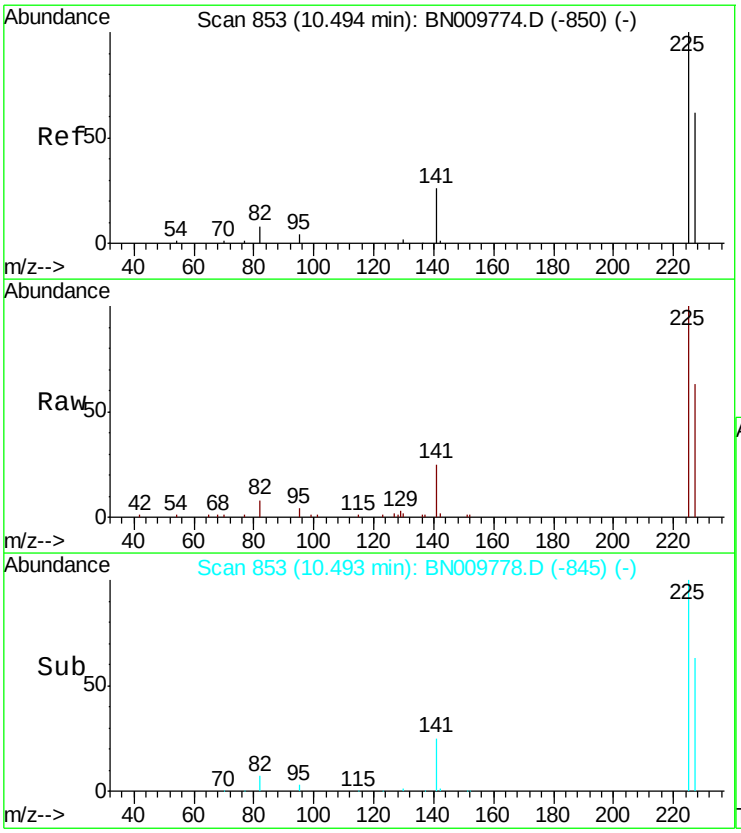
#9
Naphthalene
Concen: 4.788 ng
RT: 10.20 min Scan# 830
Delta R.T. -0.03 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:128 Resp: 53606

Ion	Ratio	Lower	Upper
128	100		
129	11.1	11.1	16.7#
127	13.4	12.6	19.0

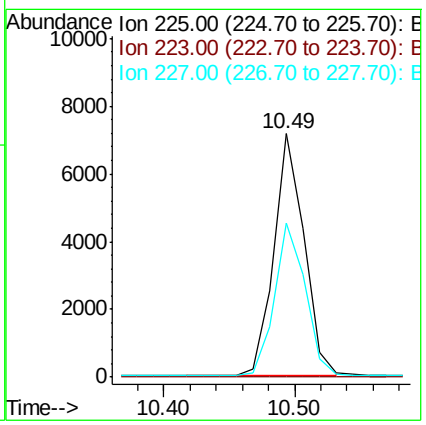


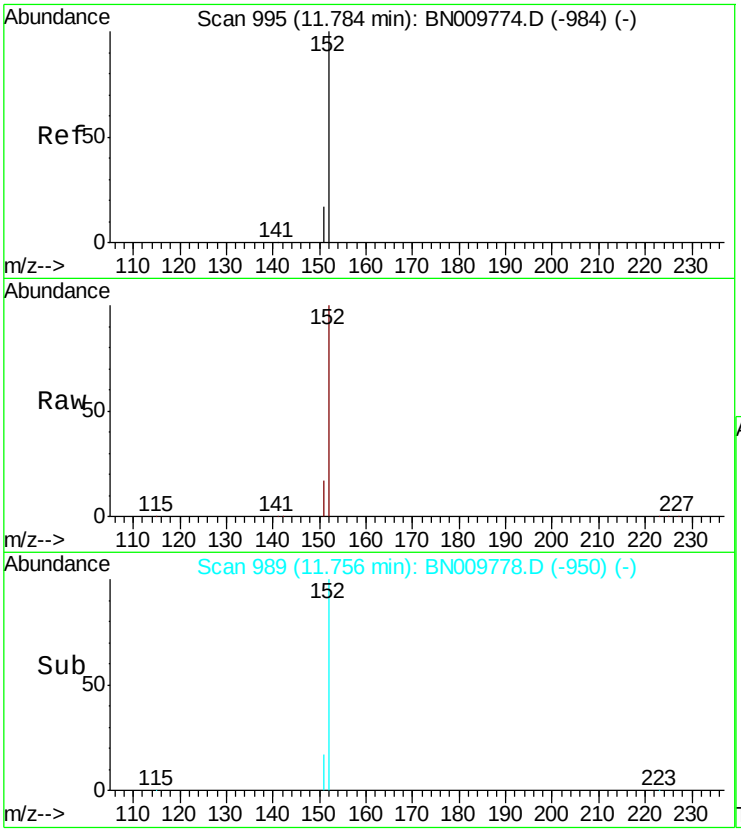


#10
Hexachlorobutadiene
Concen: 4.633 ng
RT: 10.49 min Scan# 853
Delta R.T. -0.00 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:225 Resp: 11374

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.1	53.4	80.2



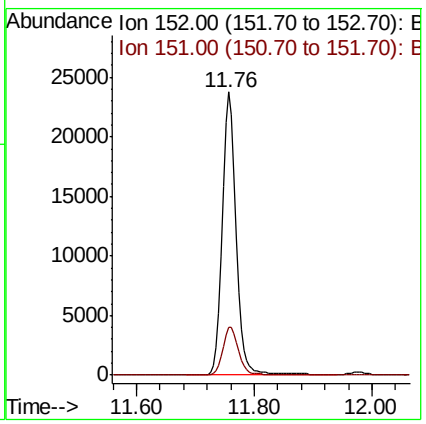


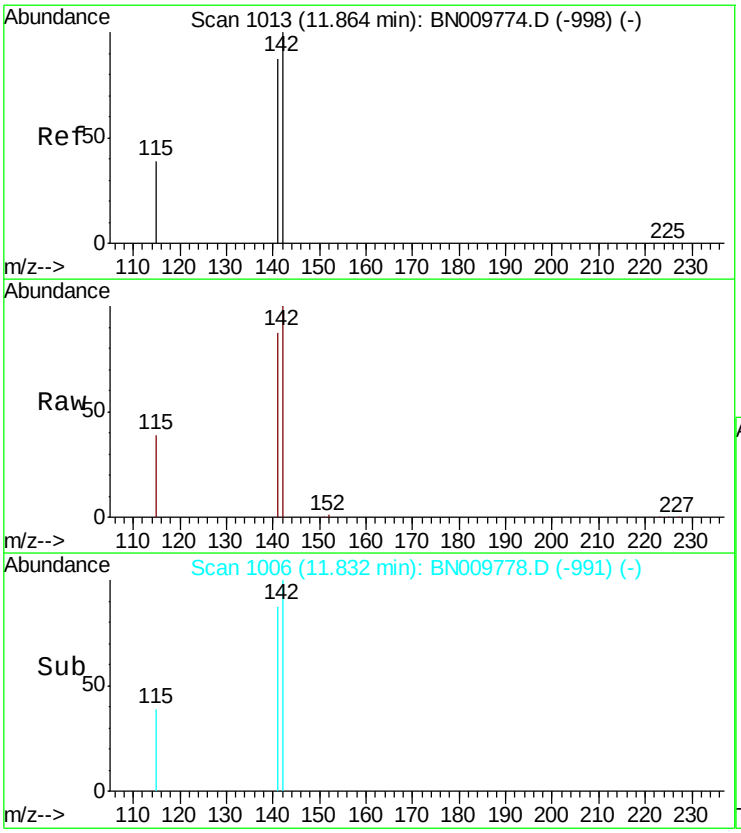
#11
2-Methylnaphthalene-d10
Concen: 4.911 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.03 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:152 Resp: 39245

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.1	22.7

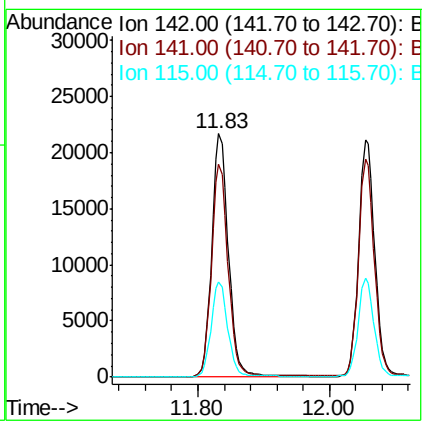


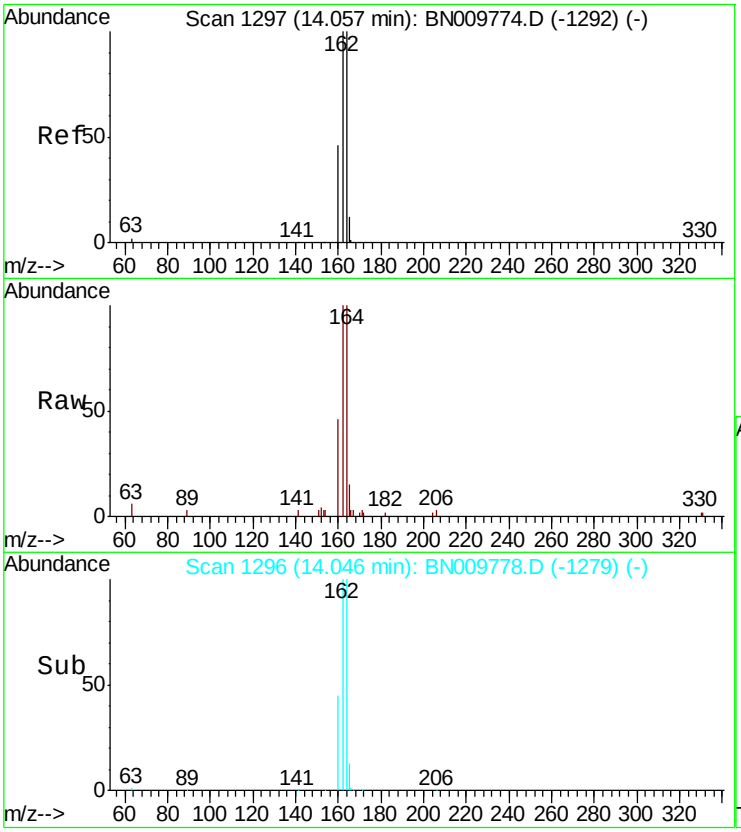


#12
2-Methylnaphthalene
Concen: 4.840 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:142 Resp: 37763

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.8	104.6
115	39.0	34.6	52.0



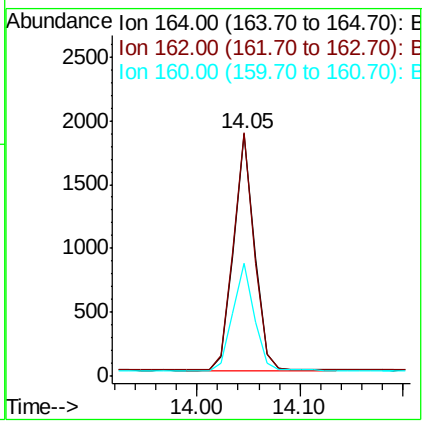


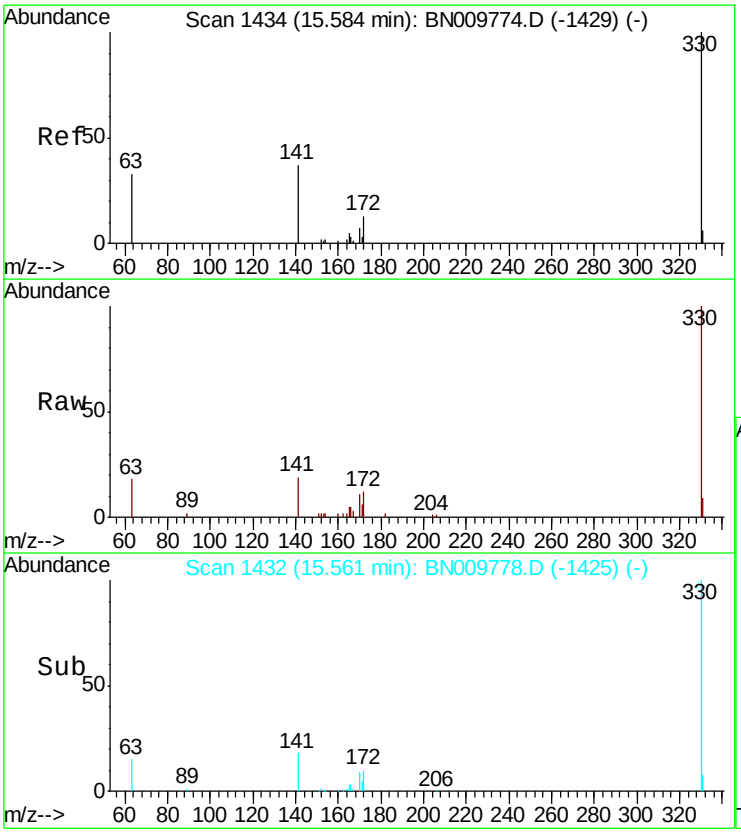
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:164 Resp: 2598

Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.9	119.9
160	46.3	38.2	57.2

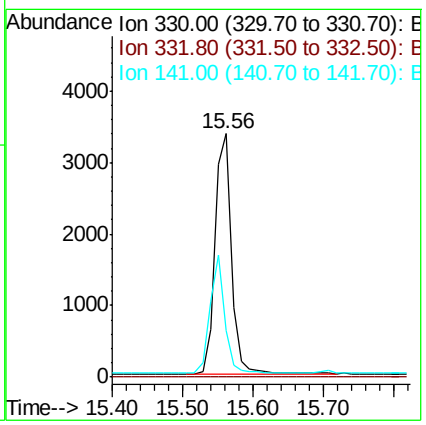


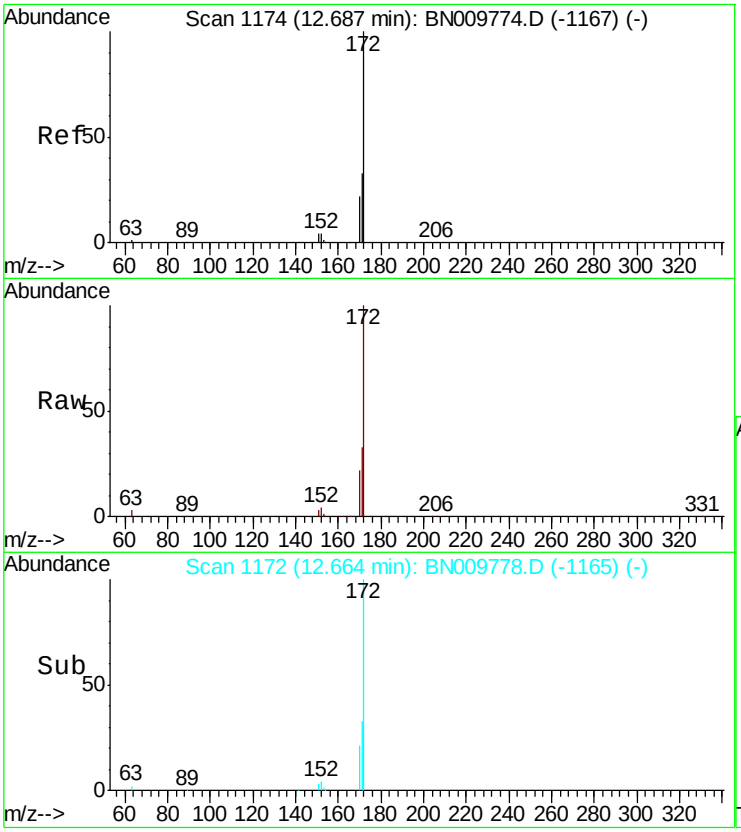


#14
2,4,6-Tribromophenol
Concen: 5.646 ng
RT: 15.56 min Scan# 1432
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:330 Resp: 5547

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.8	36.8	55.2



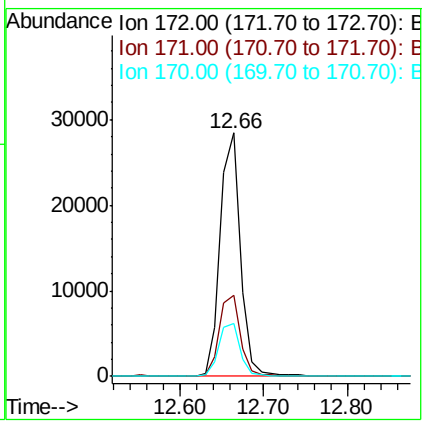


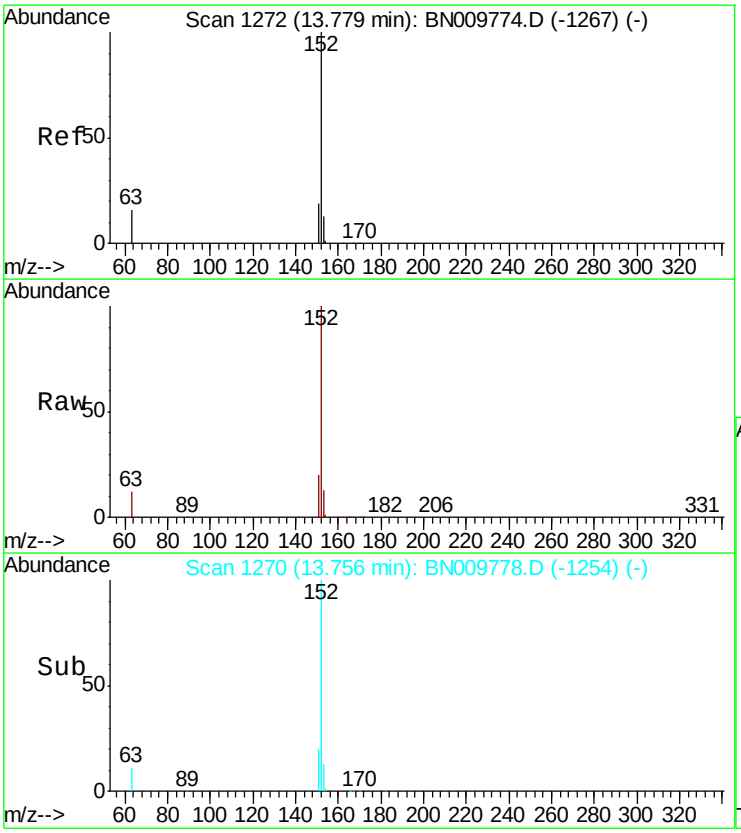
#15
2-Fluorobiphenyl
Concen: 4.883 ng
RT: 12.66 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:172 Resp: 47469

Ion	Ratio	Lower	Upper
172	100		
171	33.4	28.7	43.1
170	21.6	20.1	30.1

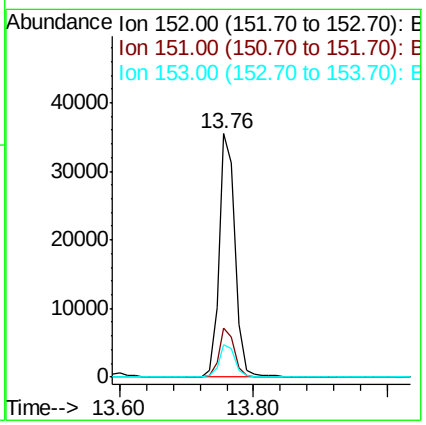


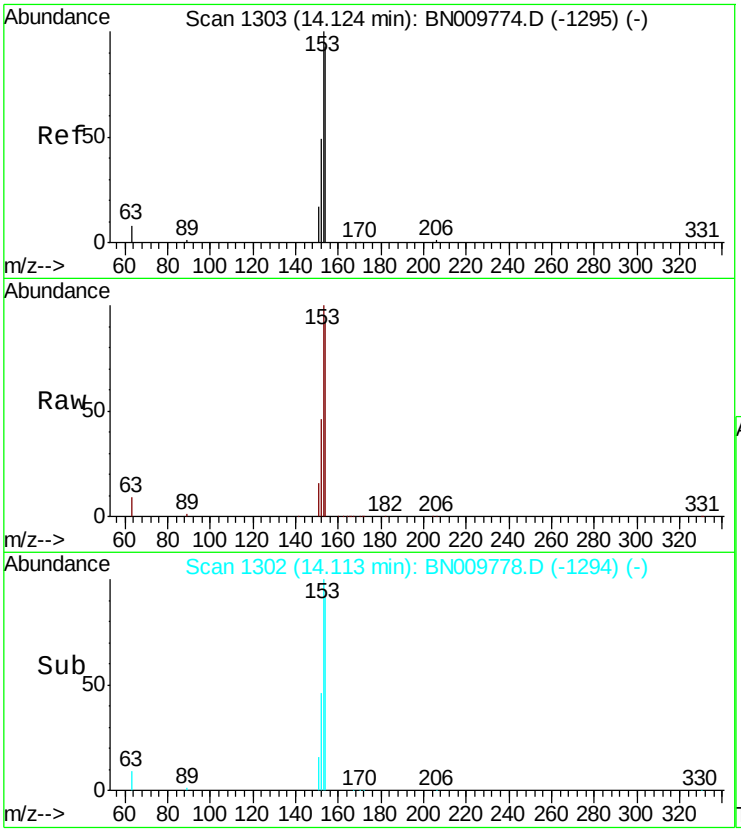


#16
Acenaphthylene
Concen: 5.230 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:152 Resp: 58615

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.6
153	13.0	10.2	15.4



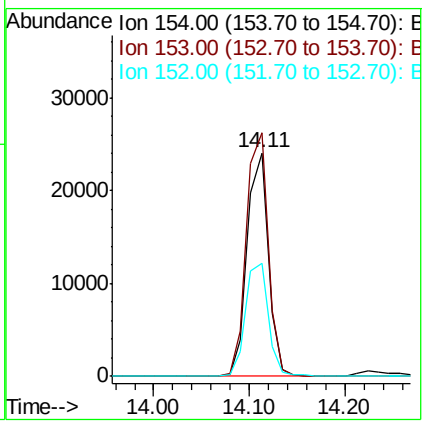


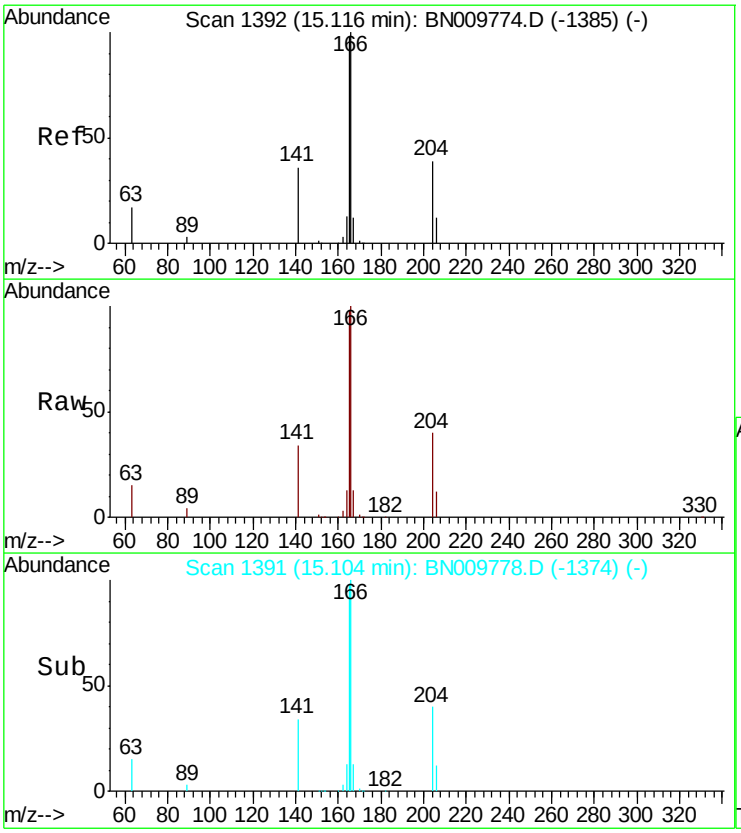
#17
Acenaphthene
Concen: 4.701 ng
RT: 14.11 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:154 Resp: 37043

Ion	Ratio	Lower	Upper
154	100		
153	112.2	88.9	133.3
152	53.8	44.2	66.2

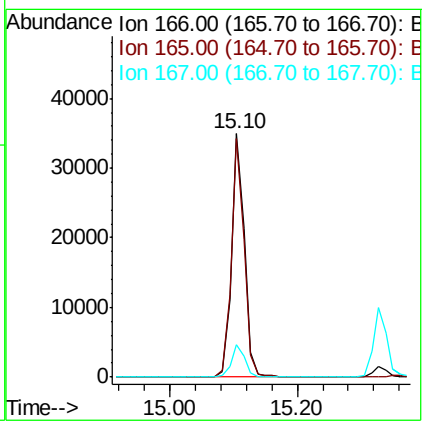


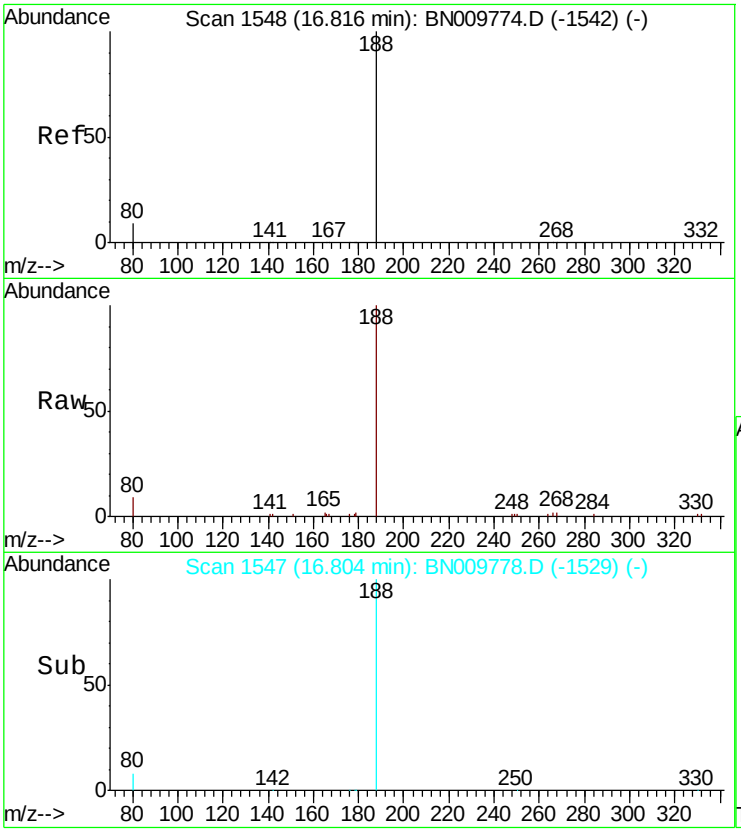


#18
Fluorene
Concen: 4.746 ng
RT: 15.10 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:166 Resp: 48736

Ion	Ratio	Lower	Upper
166	100		
165	96.8	77.2	115.8
167	13.4	10.5	15.7



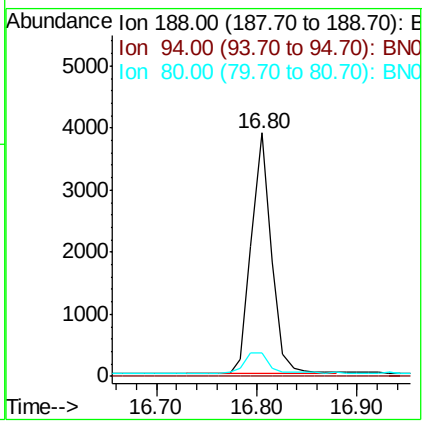


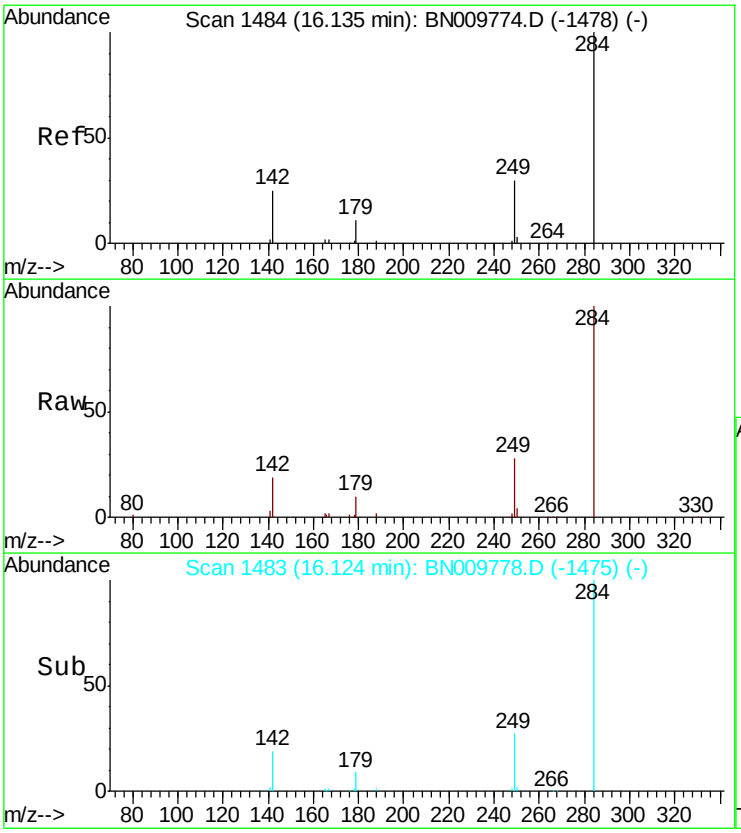
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:188 Resp: 5392

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	8.3	12.5

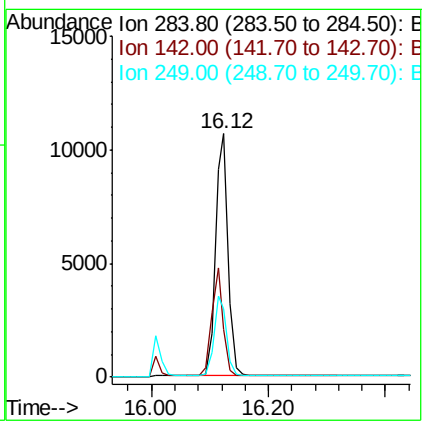


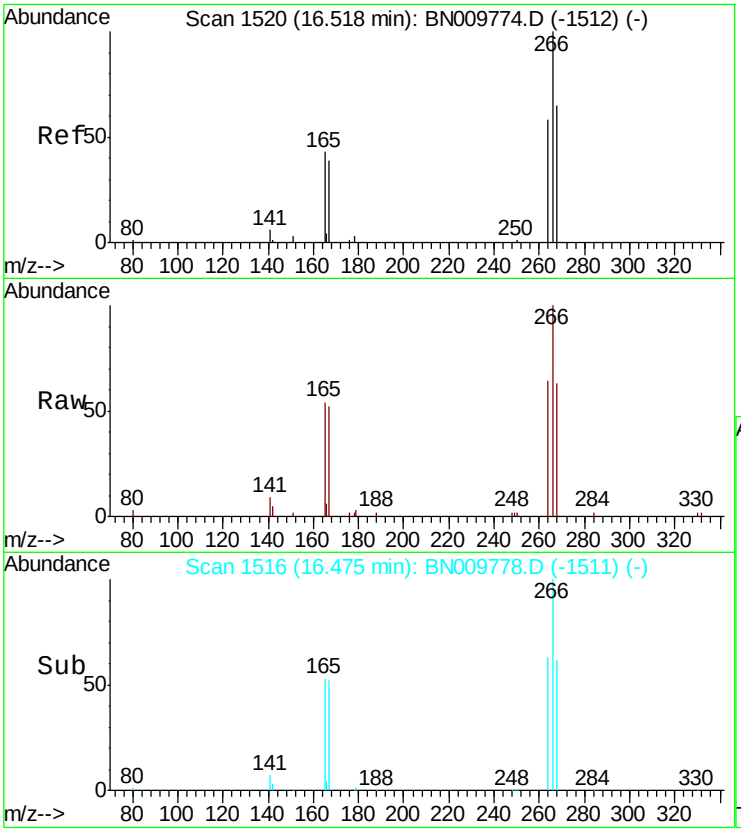


#21
Hexachlorobenzene
Concen: 4.699 ng
RT: 16.12 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:284 Resp: 16242

Ion	Ratio	Lower	Upper
284	100		
142	40.5	33.3	49.9
249	32.6	25.7	38.5



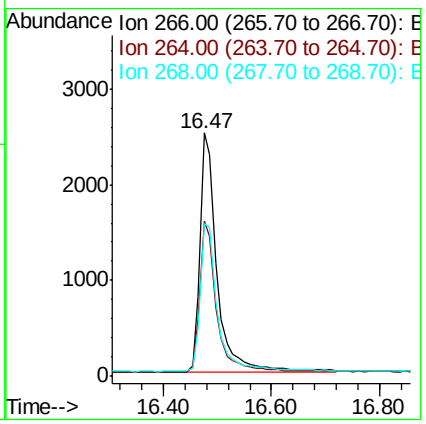


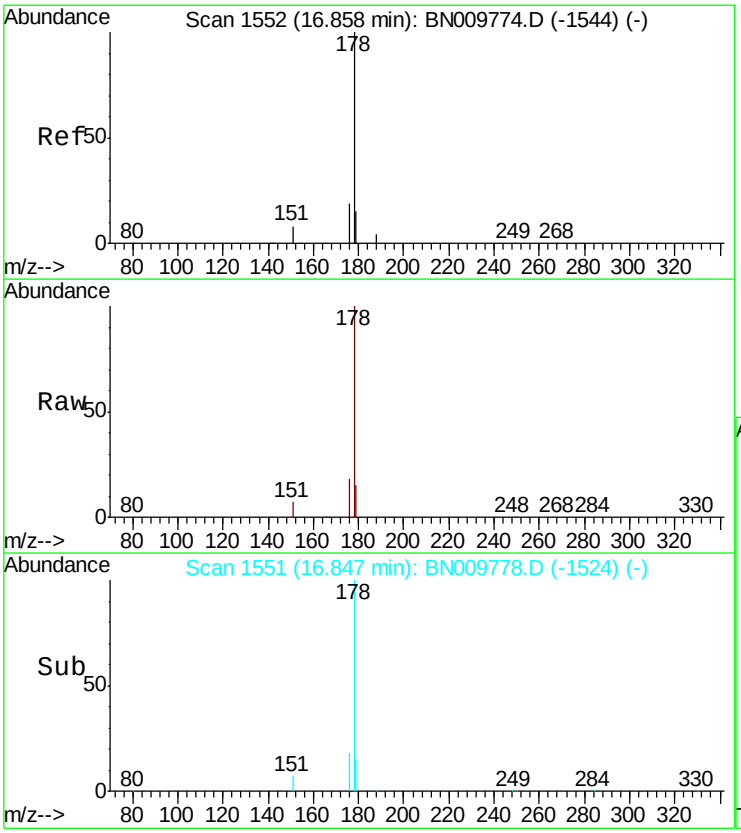
#22
Pentachlorophenol
Concen: 5.585 ng
RT: 16.47 min Scan# 1516
Delta R.T. -0.04 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:266 Resp: 5421

Ion	Ratio	Lower	Upper
266	100		
264	63.7	58.1	87.1
268	62.5	65.7	98.5#

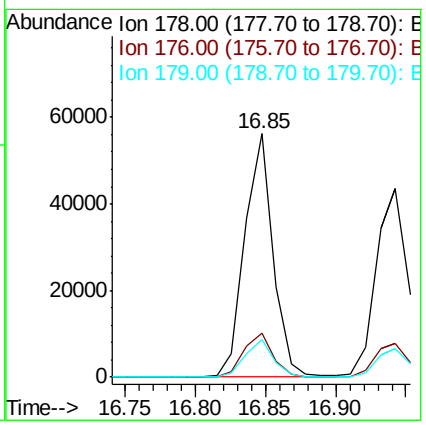


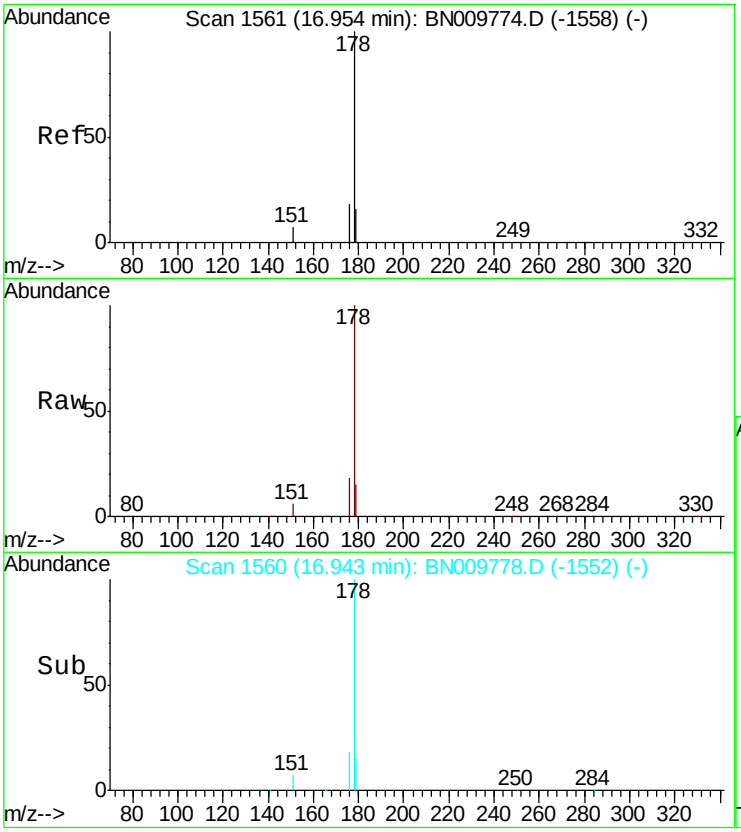


#23
Phenanthrene
Concen: 4.875 ng
RT: 16.85 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:178 Resp: 78967

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.2	12.4	18.6



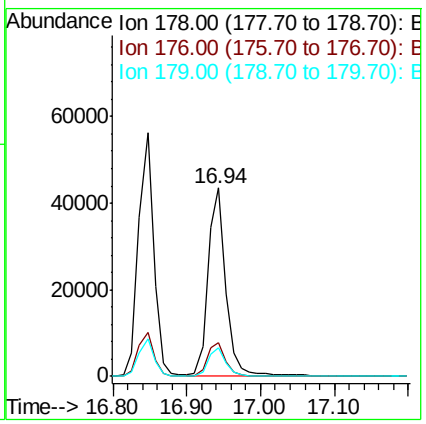


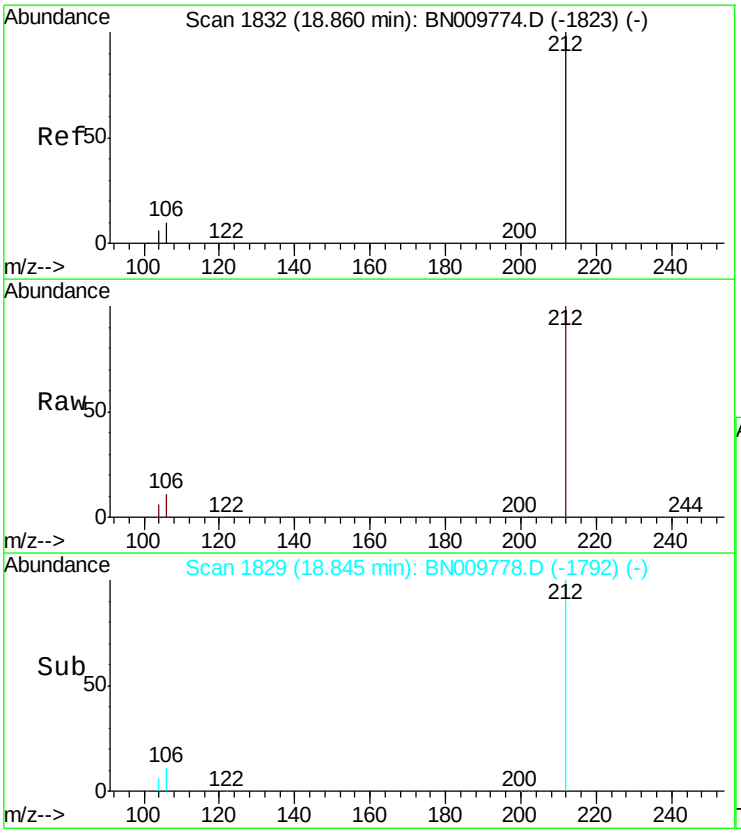
#24
Anthracene
Concen: 5.318 ng
RT: 16.94 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:178 Resp: 72328

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.3	21.5
179	15.2	12.4	18.6

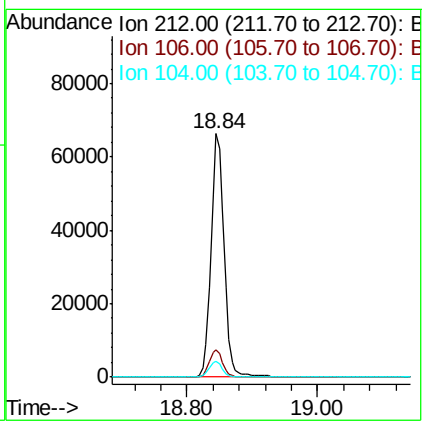


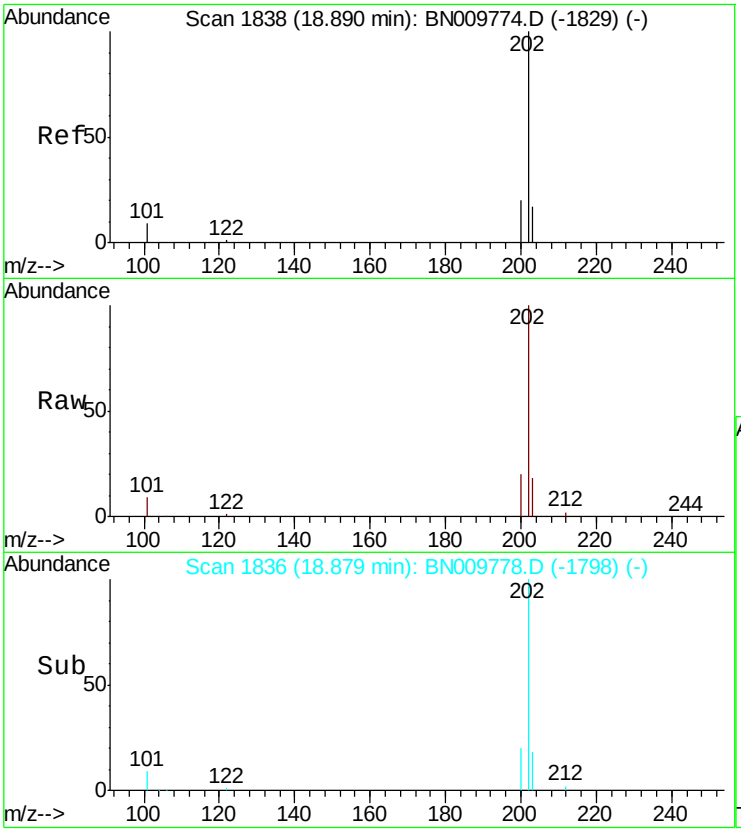


#25
Fluoranthene-d10
Concen: 4.963 ng
RT: 18.84 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:212 Resp: 91759

Ion	Ratio	Lower	Upper
212	100		
106	11.2	8.4	12.6
104	6.4	4.8	7.2



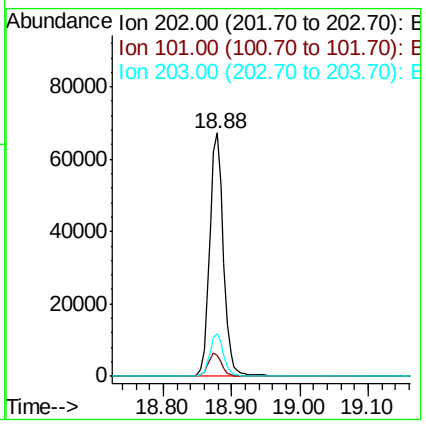


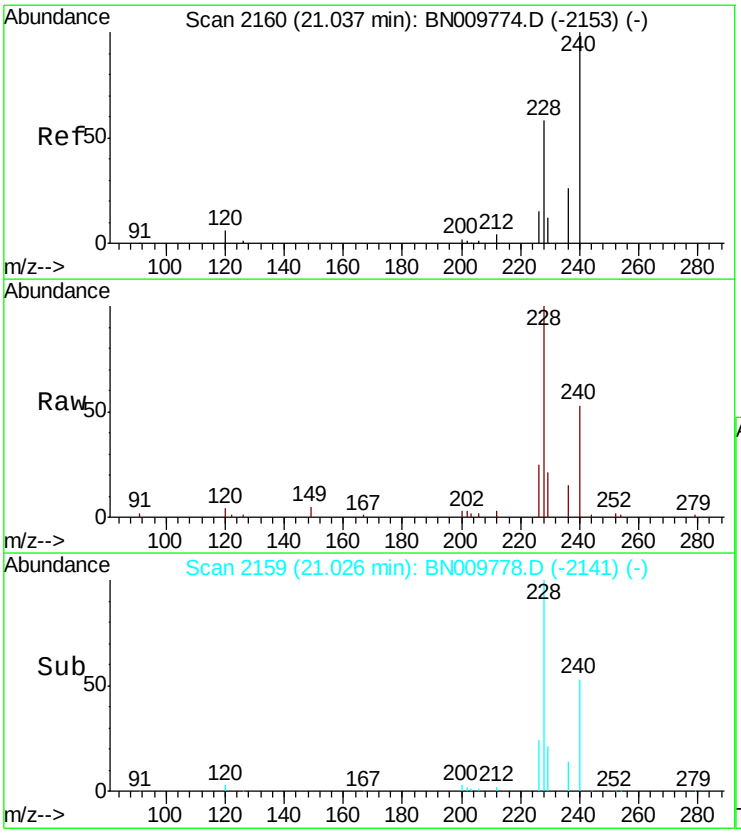
#26
Fluoranthene
Concen: 4.940 ng
RT: 18.88 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 93884

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.1	10.7
203	17.4	13.8	20.6

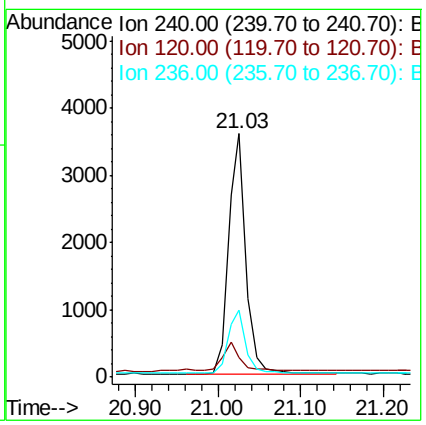


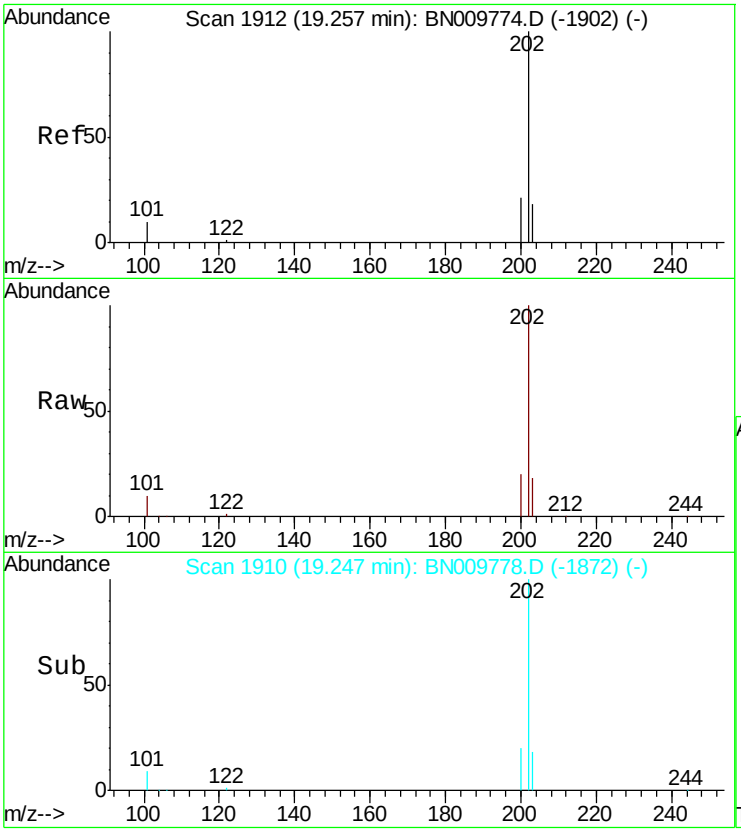


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:240 Resp: 5269

Ion	Ratio	Lower	Upper
240	100		
120	8.1	7.9	11.9
236	27.5	22.0	33.0



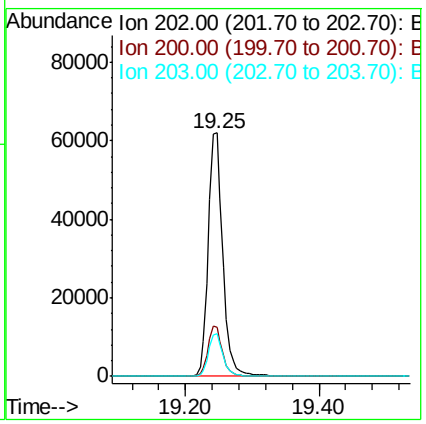


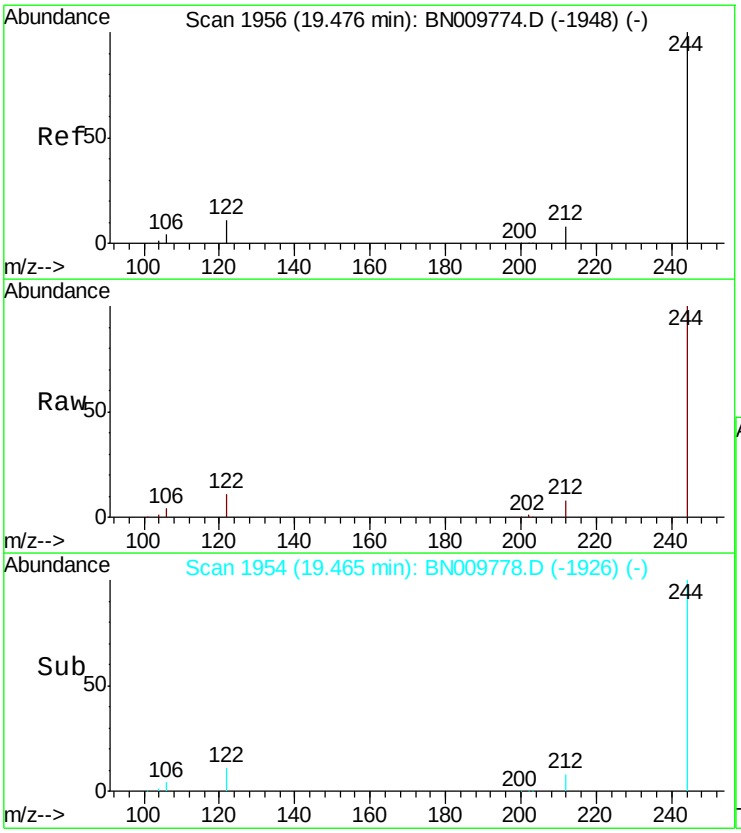
#28
Pyrene
Concen: 4.636 ng
RT: 19.25 min Scan# 1910
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:202 Resp: 92589

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.4	24.6
203	17.5	13.9	20.9

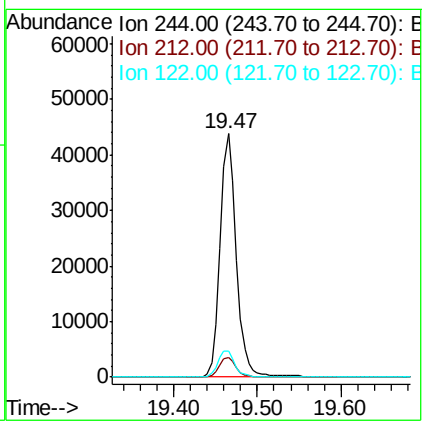


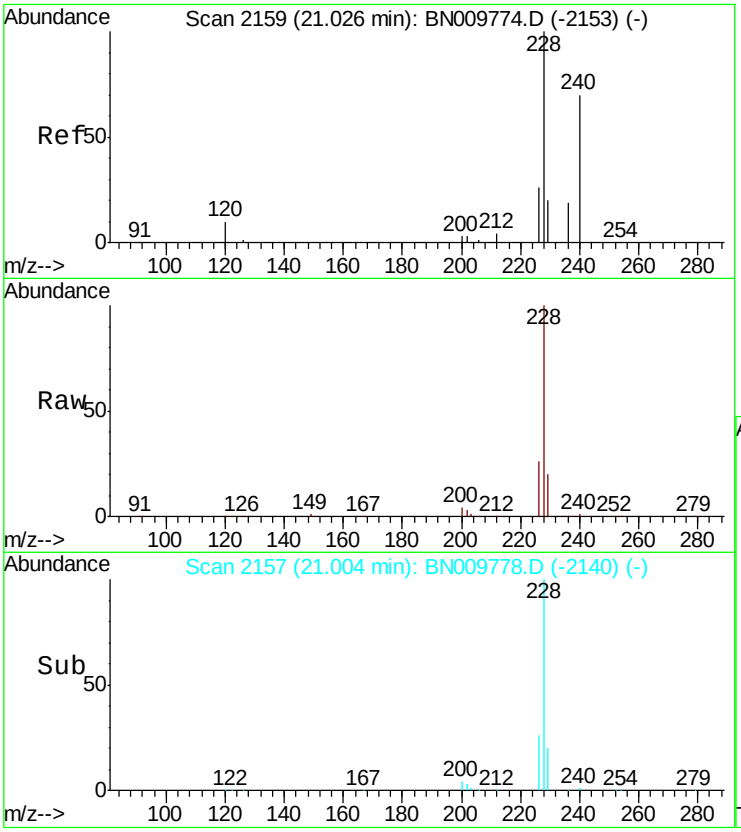


#29
Terphenyl-d14
Concen: 4.710 ng
RT: 19.47 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:244 Resp: 58785

Ion	Ratio	Lower	Upper
244	100		
212	8.2	8.0	12.0
122	10.9	10.0	15.0



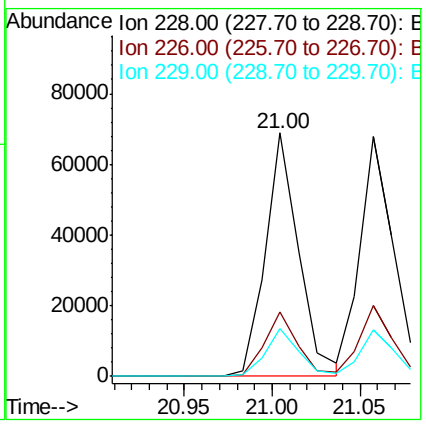


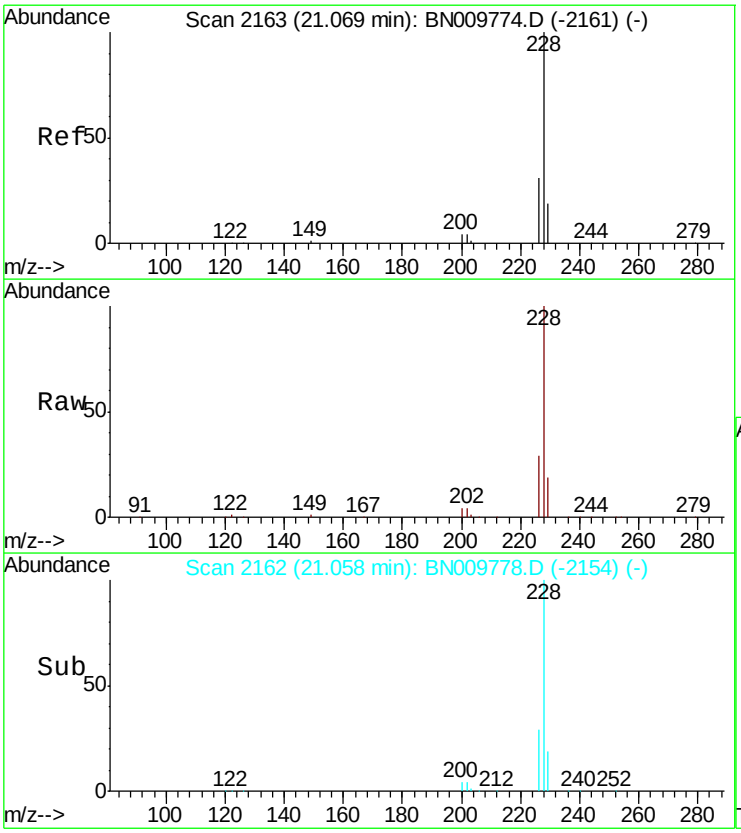
#30
Benzo(a)anthracene
Concen: 5.252 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:228 Resp: 90969

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.8	32.8
229	19.7	17.1	25.7

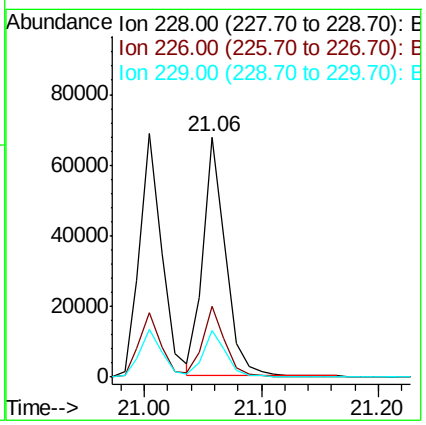


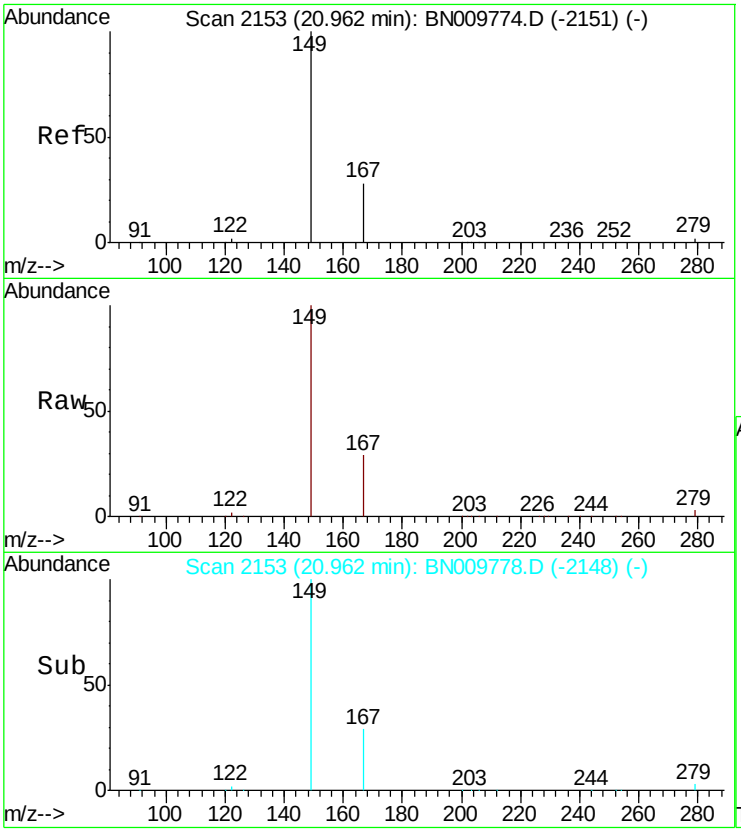


#31
Chrysene
Concen: 4.619 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:228 Resp: 91509

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.8	37.2
229	19.3	16.4	24.6



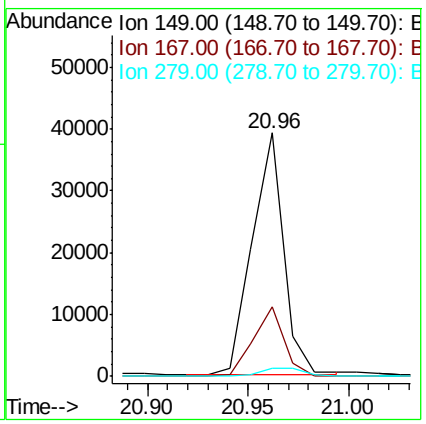


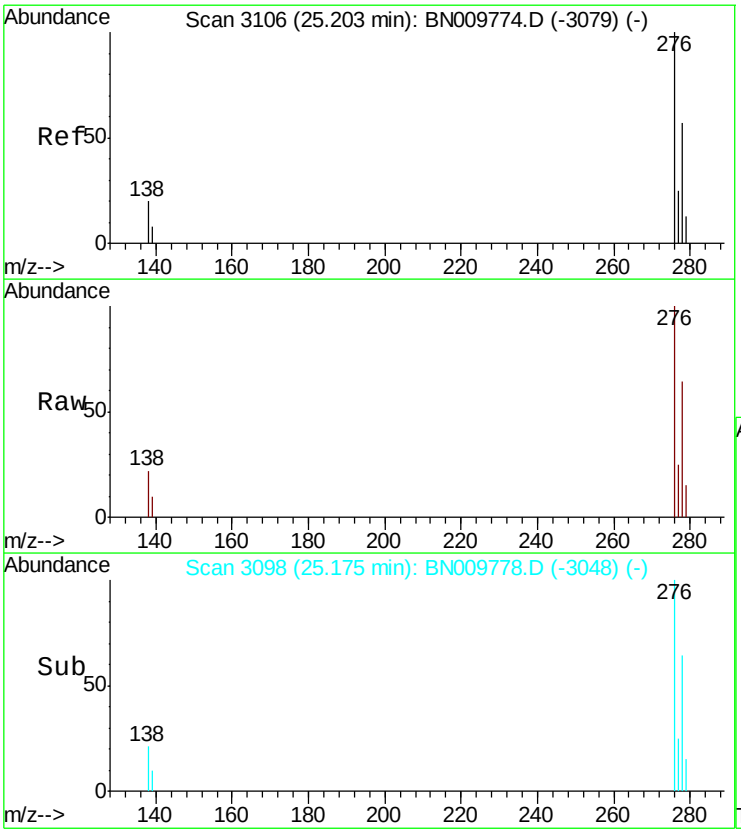
#32
Bis(2-ethylhexyl)phthalate
Concen: 5.576 ng
RT: 20.96 min Scan# 2153
Delta R.T. -0.00 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:149 Resp: 42706

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.7	34.1
279	3.9	3.1	4.7

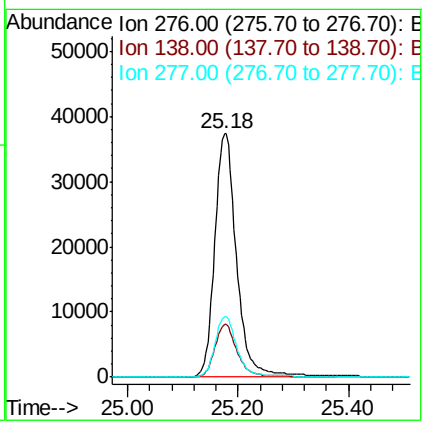


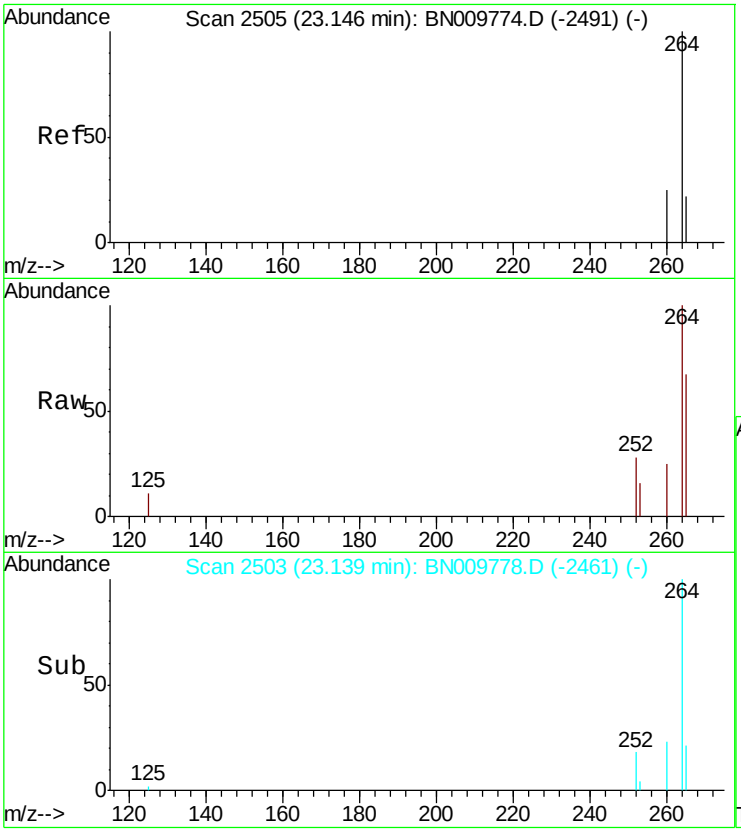


#33
Indeno(1,2,3-cd)pyrene
Concen: 4.931 ng
RT: 25.18 min Scan# 3098
Delta R.T. -0.03 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:276 Resp: 101616

Ion	Ratio	Lower	Upper
276	100		
138	21.9	15.8	23.6
277	24.7	19.3	28.9



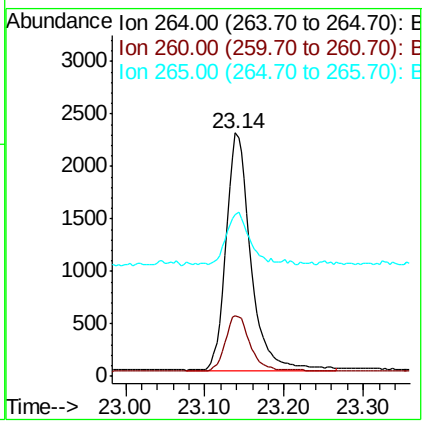


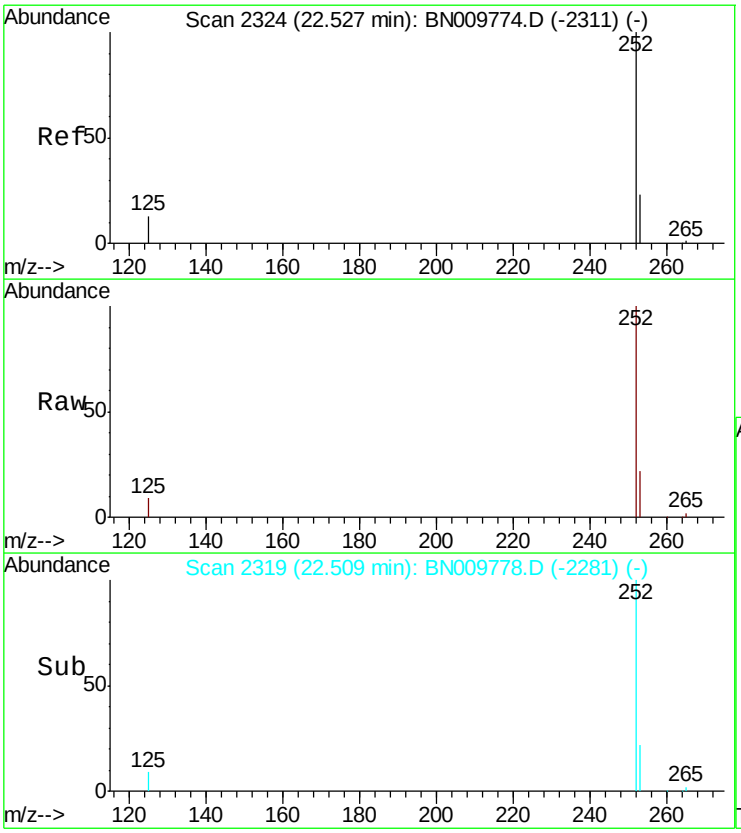
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.14 min Scan# 2503
Delta R.T. -0.01 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:264 Resp: 4889

Ion	Ratio	Lower	Upper
264	100		
260	24.9	21.1	31.7
265	66.5	57.5	86.3

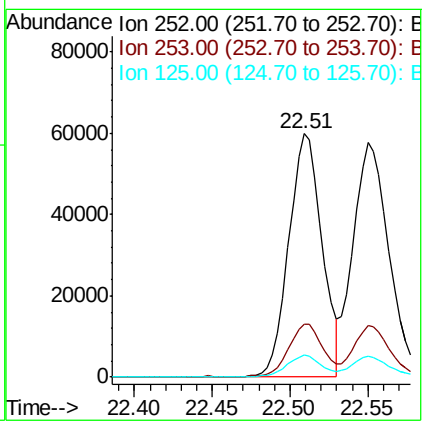


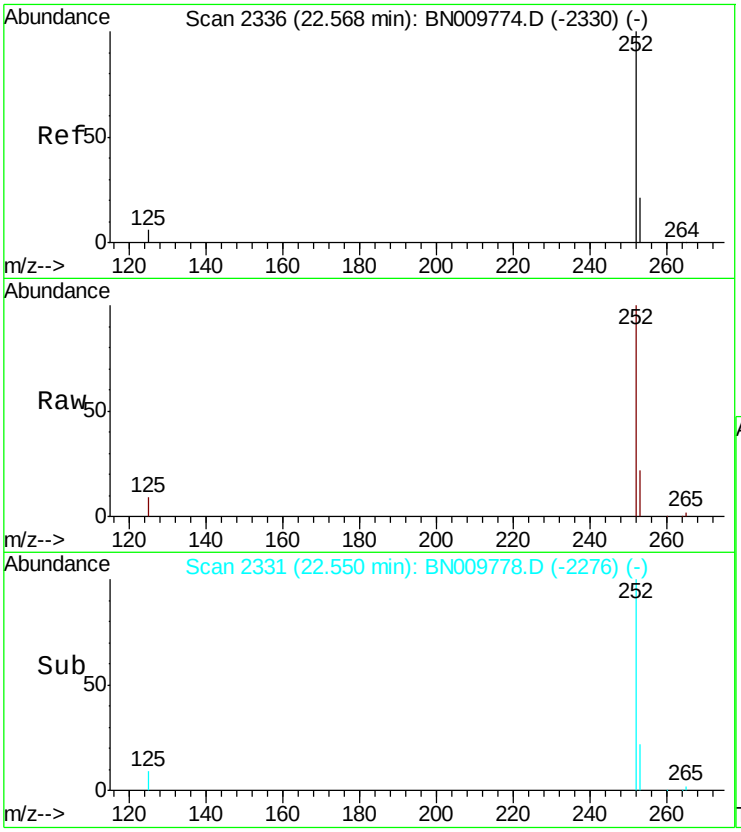


#35
Benzo(b)fluoranthene
Concen: 4.932 ng
RT: 22.51 min Scan# 2319
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:252 Resp: 88696

Ion	Ratio	Lower	Upper
252	100		
253	21.8	23.0	34.6#
125	9.0	14.4	21.6#



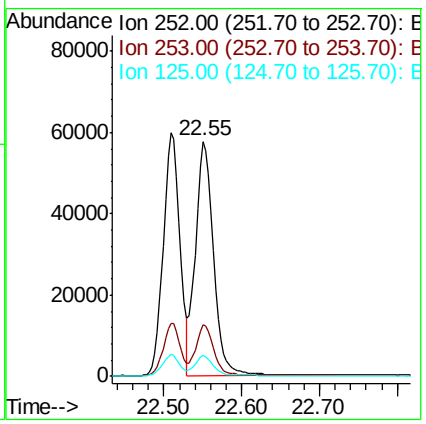


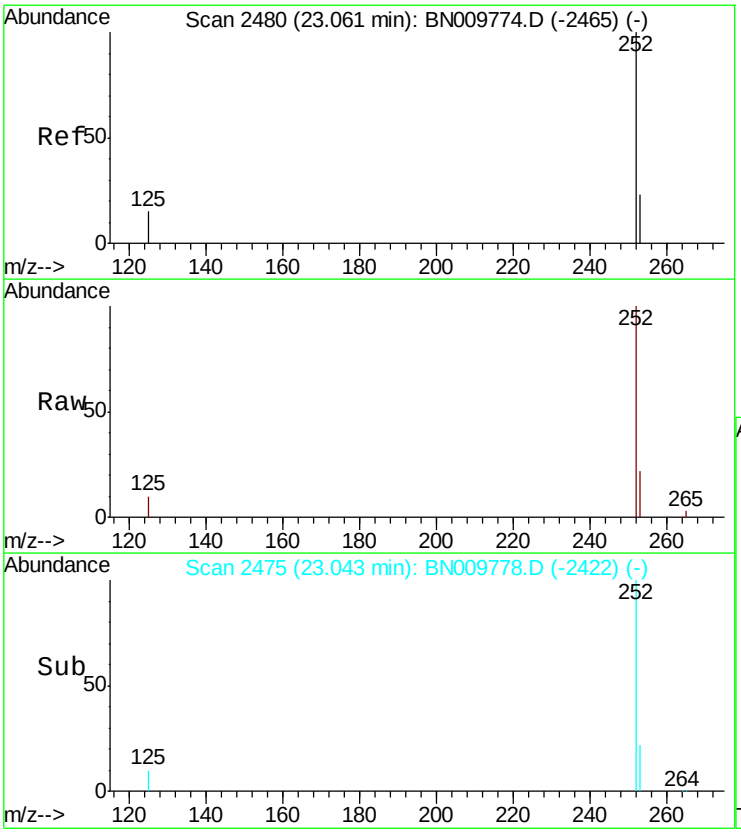
#36
Benzo(k)fluoranthene
Concen: 4.743 ng
RT: 22.55 min Scan# 2331
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:252 Resp: 94140

Ion	Ratio	Lower	Upper
252	100		
253	22.0	22.2	33.2#
125	8.8	10.5	15.7#

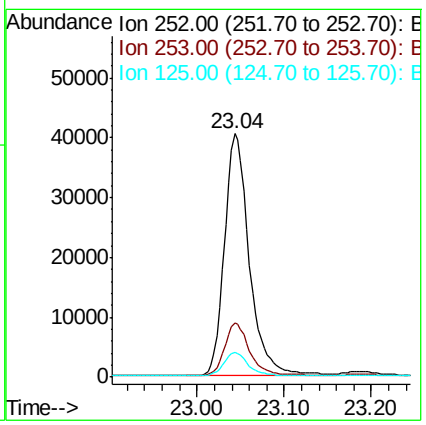


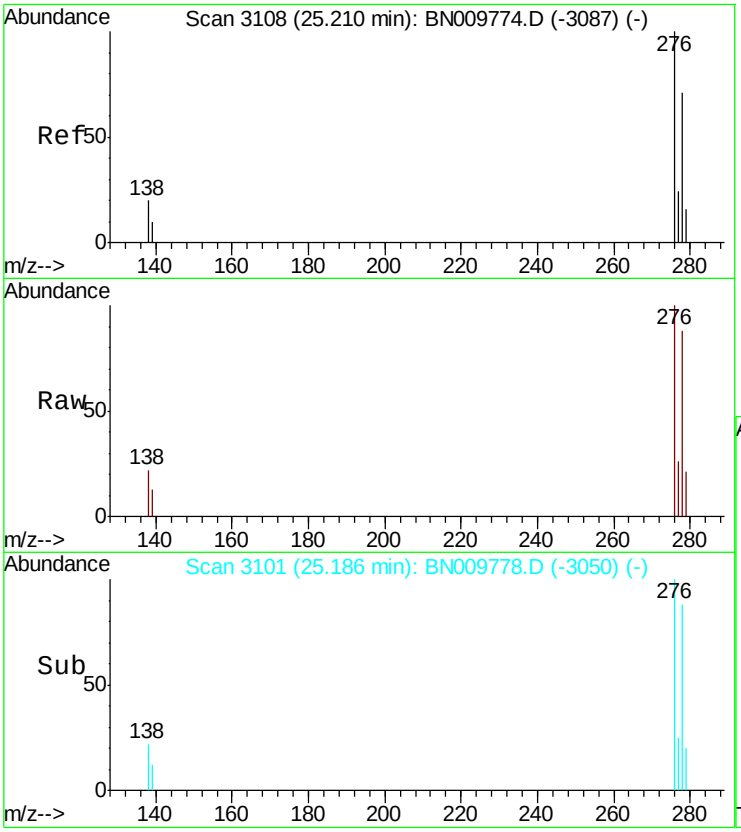


#37
Benzo(a)pyrene
Concen: 5.089 ng
RT: 23.04 min Scan# 2475
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:252 Resp: 80551

Ion	Ratio	Lower	Upper
252	100		
253	22.2	25.3	37.9#
125	10.1	17.7	26.5#



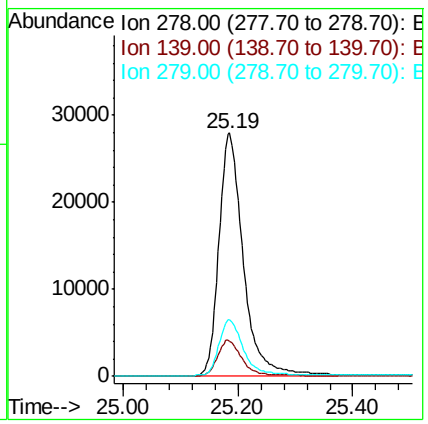


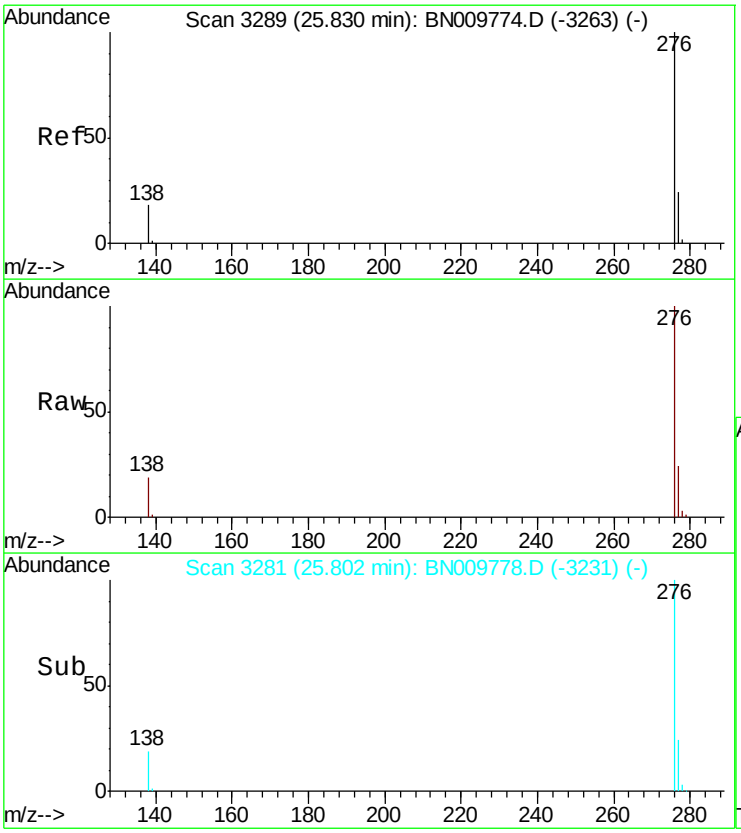
#38
Dibenzo(a,h)anthracene
Concen: 5.159 ng
RT: 25.19 min Scan# 3101
Delta R.T. -0.02 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Instrument :
BNA_N
ClientSampleId :
SSTDICC5.0

Tgt Ion:278 Resp: 82154

Ion	Ratio	Lower	Upper
278	100		
139	14.4	14.5	21.7#
279	23.5	24.3	36.5#





#39
Benzo(g,h,i)perylene
Concen: 4.741 ng
RT: 25.80 min Scan# 3281
Delta R.T. -0.03 min
Lab File: BN009778.D
Acq: 19 Feb 2020 14:44

Tgt Ion:276 Resp: 83062

Ion	Ratio	Lower	Upper
276	100		
277	23.9	21.4	32.0
138	18.7	16.6	24.8