Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021920\
Data File : BN009782.D
Acq On : 19 Feb 2020 17:58
Operator : CG/JU
Sample : L1468-06MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : TP9-EP2-3MS

Quant Time: Feb 20 04:23:29 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 15:57:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	1132	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	3998	0.40	ng		-0.03
13) Acenaphthene-d10	14.05	164	2588	0.40	ng		-0.01
19) Phenanthrene-d10	16.80	188	5717	0.40	ng		-0.01
27) Chrysene-d12	21.02	240	6326	0.40	ng		-0.02
34) Perylene-d12	23.12	264	6004	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.08	112	956	0.38	ng		0.00
5) Phenol-d6	6.63	99	1176	0.38	ng		-0.02
8) Nitrobenzene-d5	8.57	82	1246	0.37	ng		-0.03
11) 2-Methylnaphthalene-d10	11.76	152	2539	0.33	ng		-0.03
14) 2,4,6-Tribromophenol	15.56	330	425	0.43	ng		-0.02
15) 2-Fluorobiphenyl	12.66	172	3668	0.38	ng		-0.02
25) Fluoranthene-d10	18.84	212	5277	0.27	ng		-0.02
29) Terphenyl-d14	19.46	244	5015	0.33	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	361	0.311	ng	#	79
3) n-Nitrosodimethylamine	3.41	42	583	0.306	ng	#	72
6) bis(2-Chloroethyl)ether	6.87	93	958	0.322	ng		91
9) Naphthalene	10.20	128	143507	13.161	ng	#	93
10) Hexachlorobutadiene	10.49	225	686	0.286	ng	#	96
12) 2-Methylnaphthalene	11.83	142	49934	6.679	ng		97
16) Acenaphthylene	13.76	152	17779	1.612	ng		98
17) Acenaphthene	14.10	154	58002	7.476	ng		99
18) Fluorene	15.10	166	44786	4.375	ng		99
20) 4-Bromophenyl-phenylether	16.01	248	939	0.180	ng		96
21) Hexachlorobenzene	16.12	284	1112	0.312	ng		98
22) Pentachlorophenol	16.48	266	563	0.651	ng		89
23) Phenanthrene	16.84	178	239537	14.078	ng		99
24) Anthracene	16.93	178	68109	4.736	ng		97
26) Fluoranthene	18.87	202	427439	20.981	ng		99
28) Pyrene	19.24	202	354029	14.738	ng	#	95
30) Benzo(a)anthracene	21.00	228	231547	11.030	ng		99
31) Chrysene	21.06	228	185044	7.619	ng		96
32) Bis(2-ethylhexyl)phthalate	20.96	149	4871	0.476	ng		97
33) Indeno(1,2,3-cd)pyrene	25.17	276	67019	2.650	ng		99
35) Benzo(b)fluoranthene	22.51	252	187009	8.520	ng	#	86
36) Benzo(k)fluoranthene	22.67	252	27785	1.163	ng		99
37) Benzo(a)pyrene	23.03	252	130032	6.493	ng	#	81
38) Dibenzo(a,h)anthracene	25.17	278	24439	1.239	ng		96
39) Benzo(g,h,i)perylene	25.79	276	59407	2.828	ng		97

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

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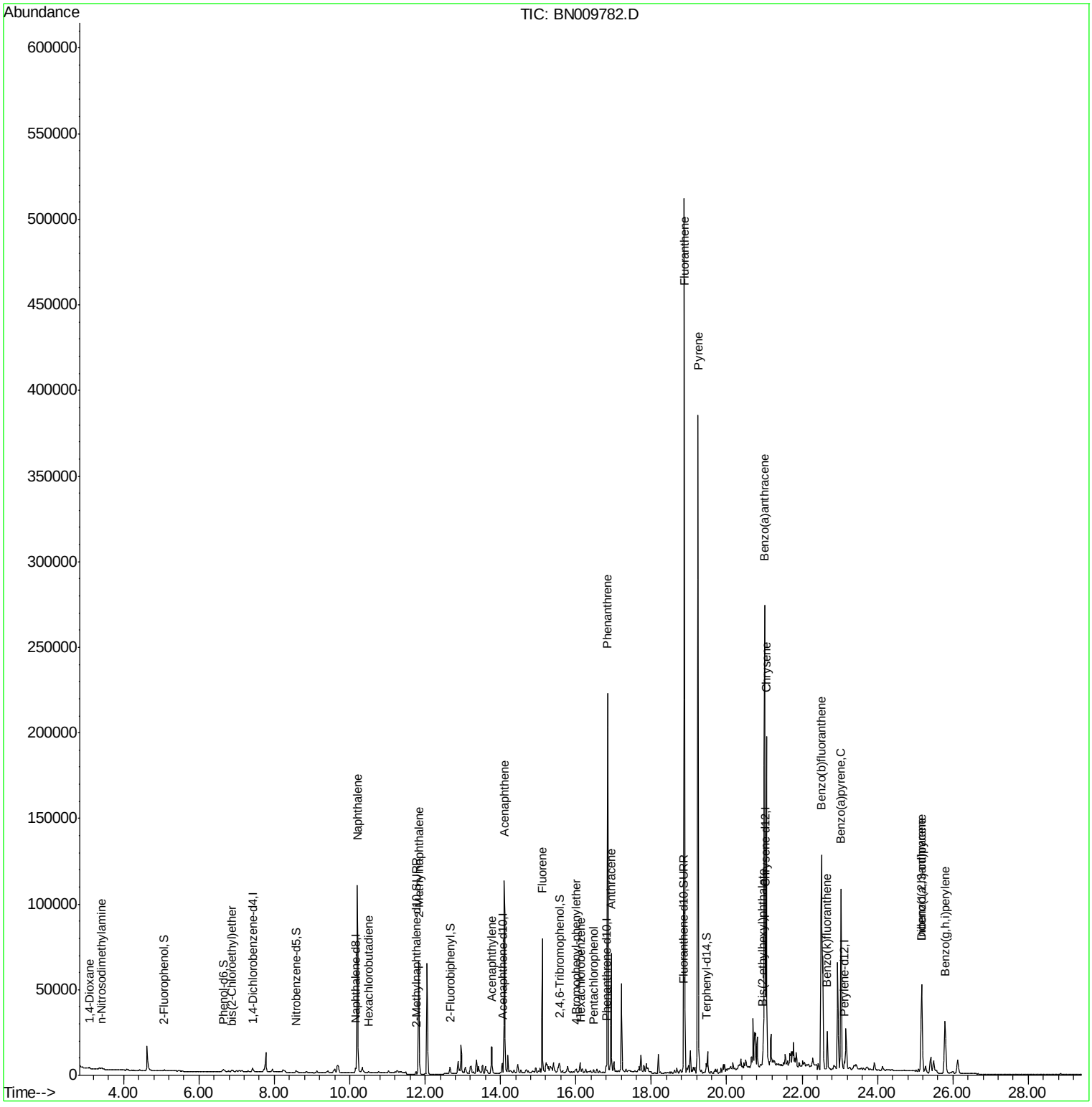
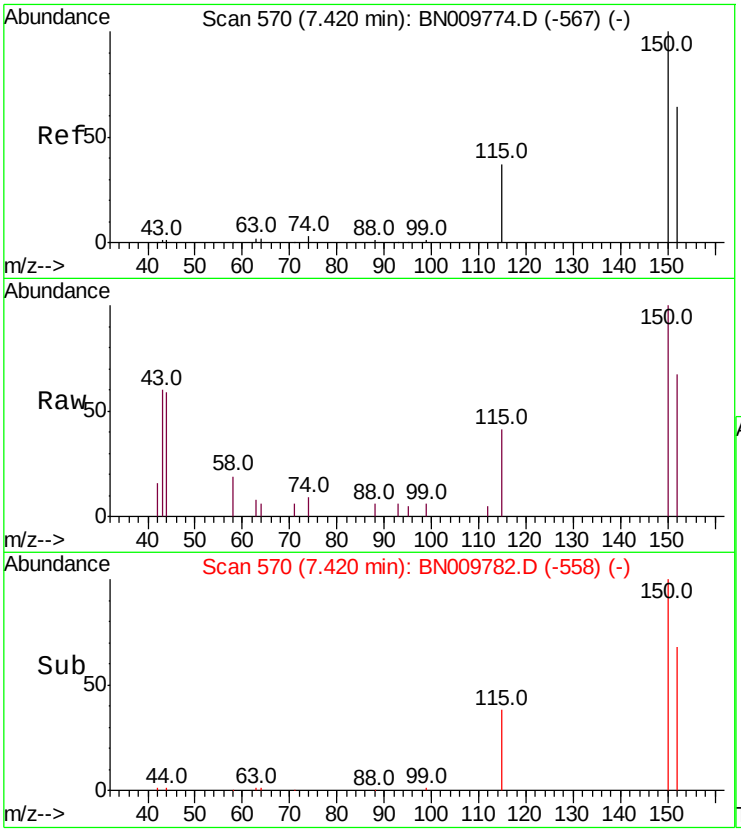
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 19 15:57:43 2020
Response via : Initial Calibration



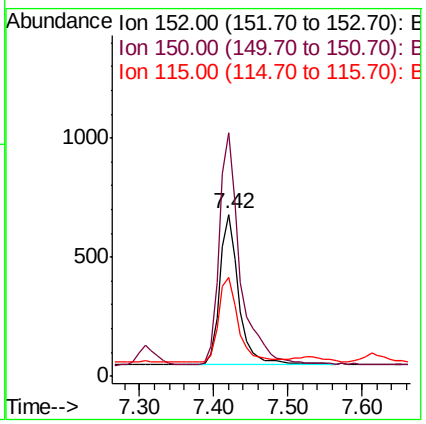


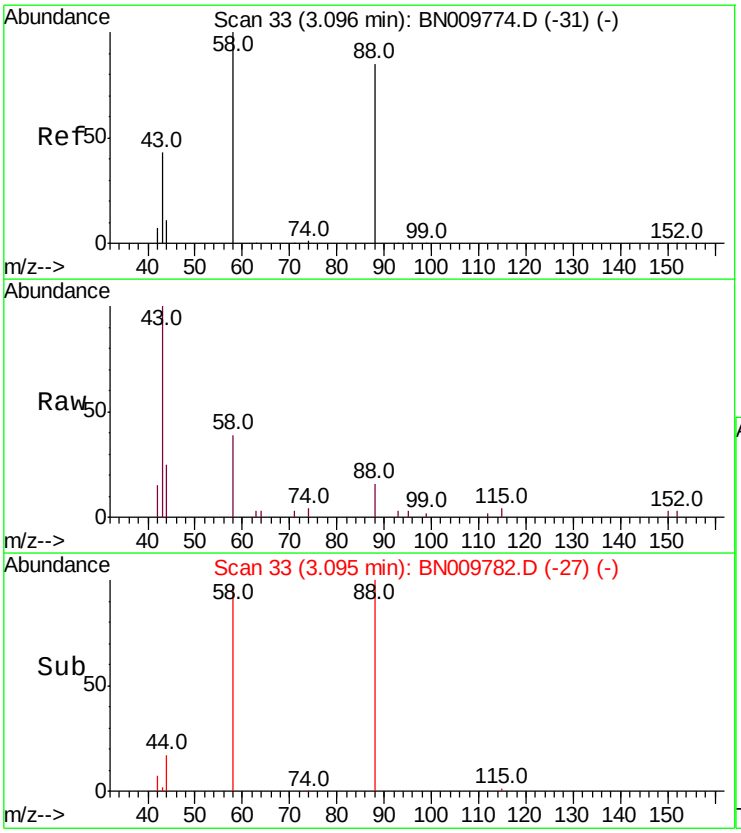
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.42 min Scan# 570
Delta R.T. -0.00 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:152 Resp: 1132

Ion	Ratio	Lower	Upper
152	100		
150	150.1	120.6	181.0
115	61.2	51.2	76.8

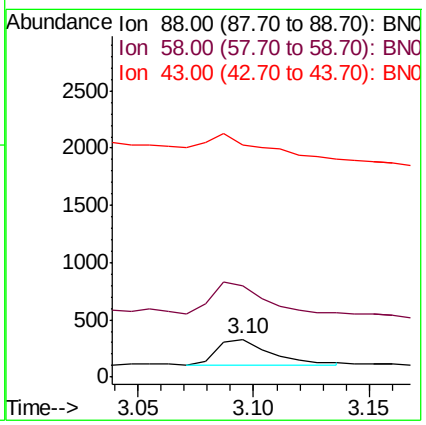


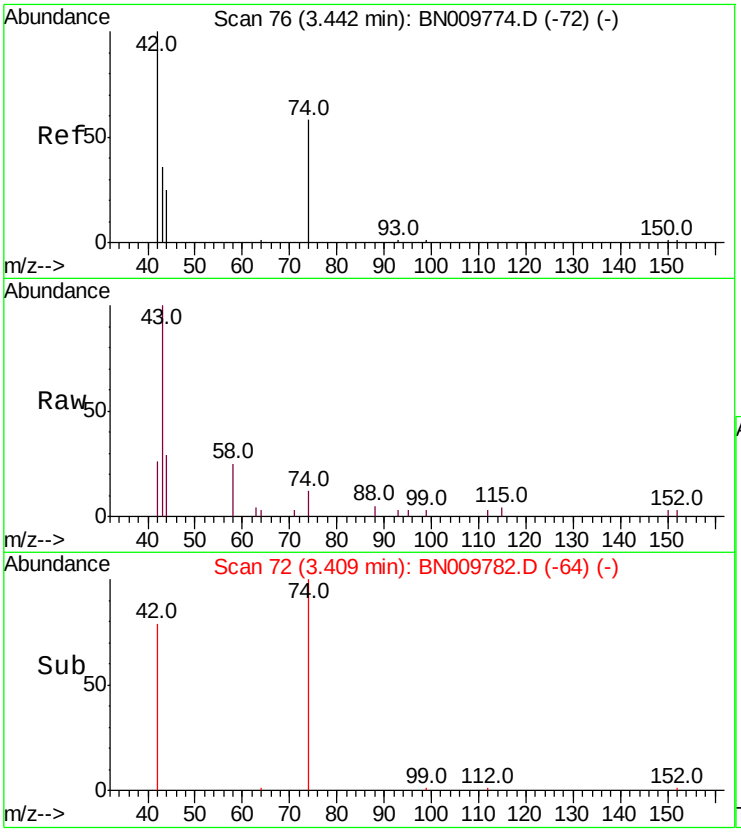


#2
1,4-Dioxane
Concen: 0.311 ng
RT: 3.10 min Scan# 33
Delta R.T. -0.00 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 88 Resp: 361

Ion	Ratio	Lower	Upper
88	100		
58	114.4	97.8	146.8
43	95.0	45.1	67.7#



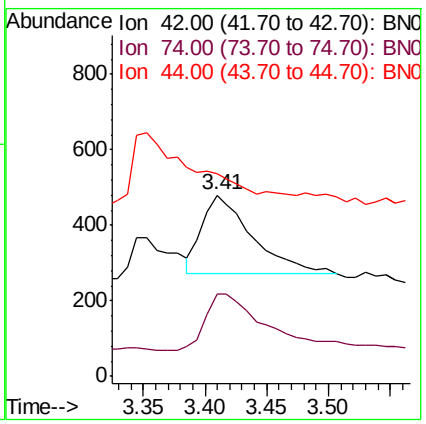


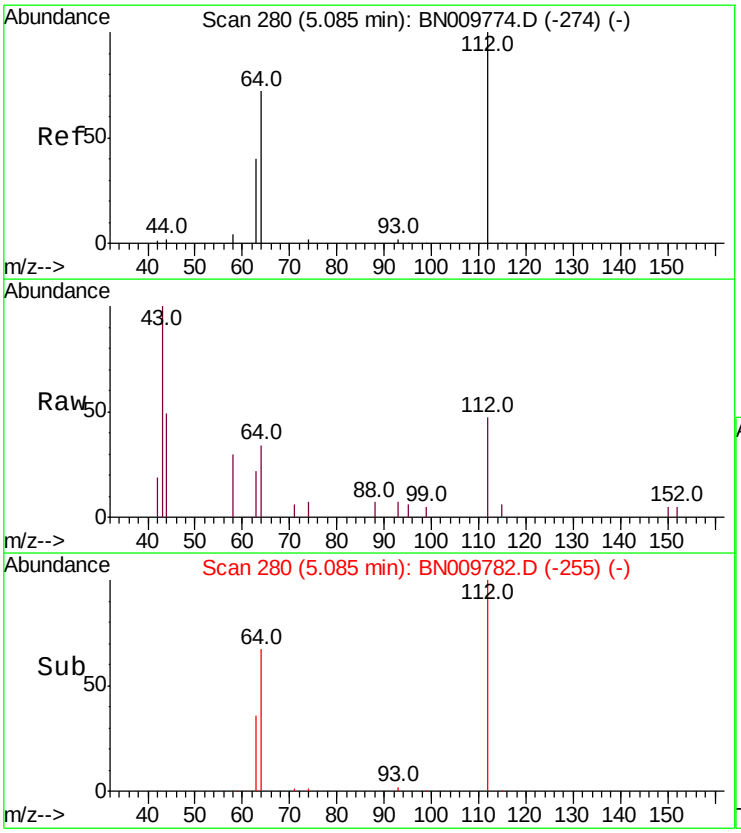
#3
n-Nitrosodimethylamine
Concen: 0.306 ng
RT: 3.41 min Scan# 72
Delta R.T. -0.03 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion: 42 Resp: 583

Ion	Ratio	Lower	Upper
42	100		
74	87.0	51.2	76.8#
44	0.0	2.6	4.0#

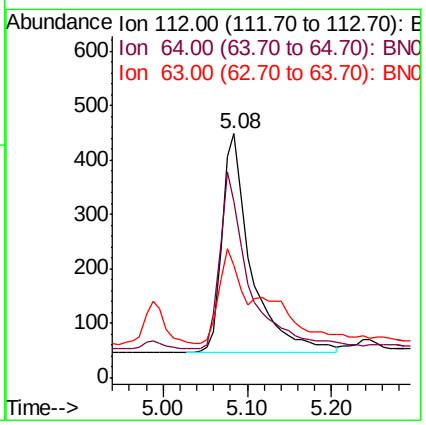


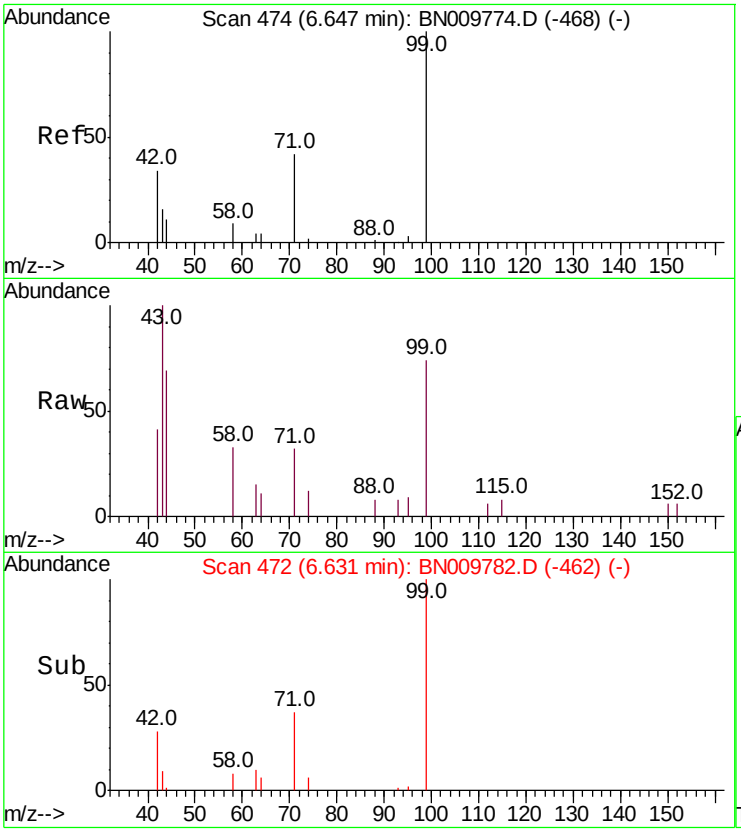


#4
2-Fluorophenol
Concen: 0.380 ng
RT: 5.08 min Scan# 280
Delta R.T. -0.00 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:112 Resp: 956

Ion	Ratio	Lower	Upper
112	100		
64	83.4	65.8	98.6
63	37.3	38.7	58.1#



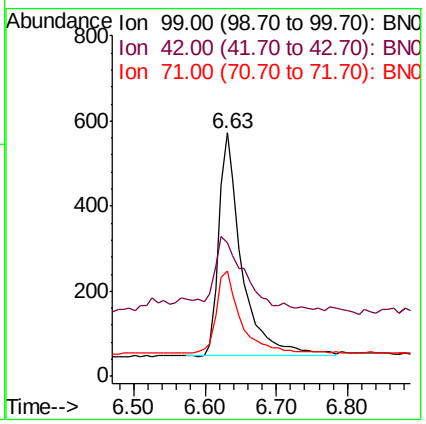


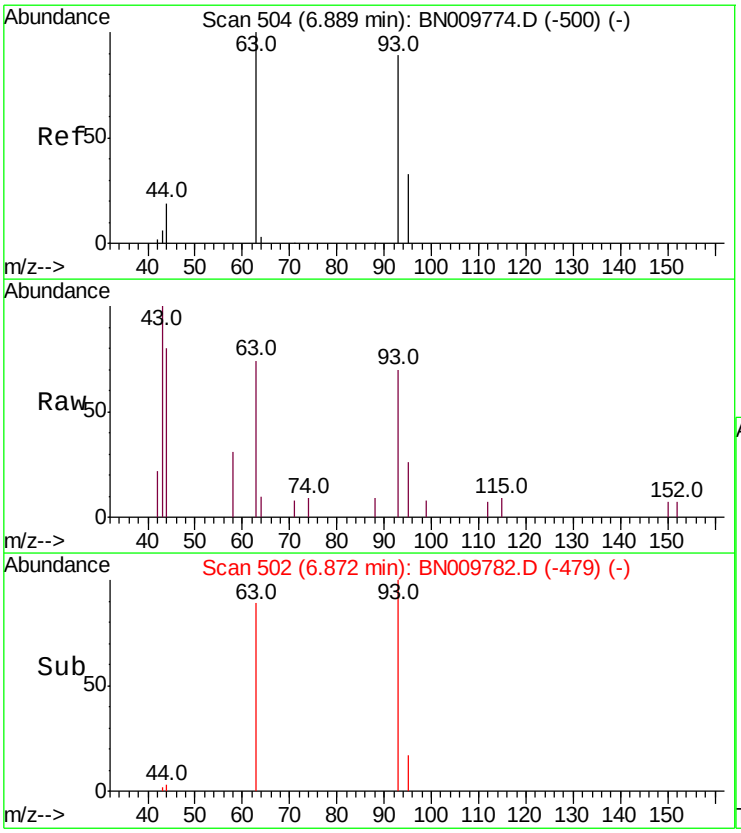
#5
Phenol-d6
Concen: 0.384 ng
RT: 6.63 min Scan# 472
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion: 99 Resp: 1176

Ion	Ratio	Lower	Upper
99	100		
42	33.9	30.8	46.2
71	38.5	34.9	52.3

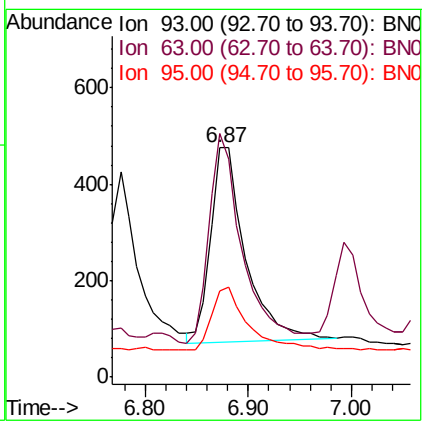


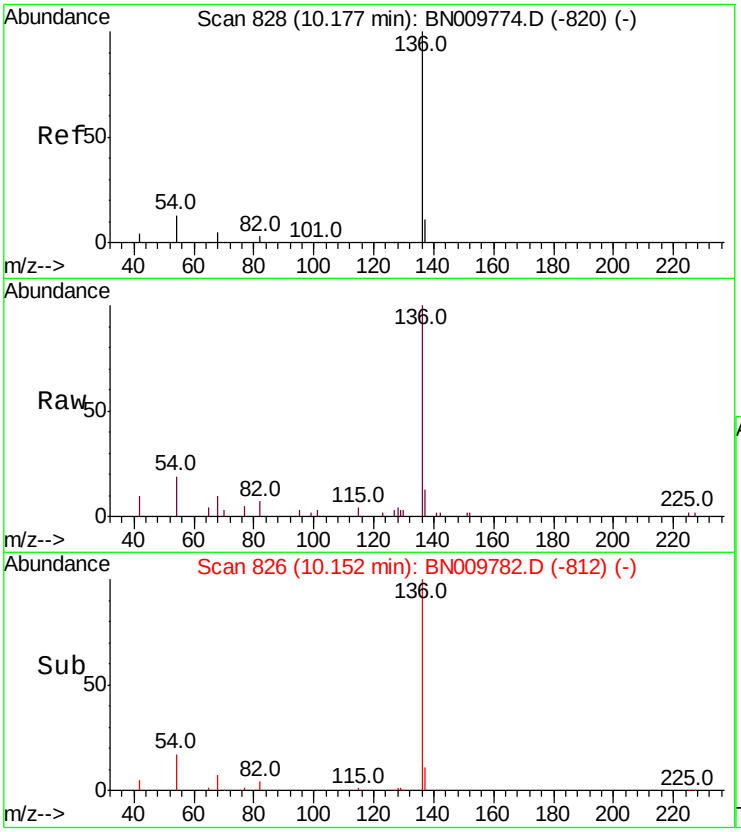


#6
bis(2-Chloroethyl)ether
Concen: 0.322 ng
RT: 6.87 min Scan# 502
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 93 Resp: 958

Ion	Ratio	Lower	Upper
93	100		
63	103.0	74.0	111.0
95	34.7	26.7	40.1



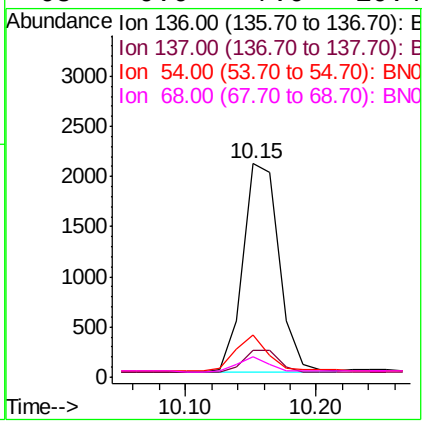


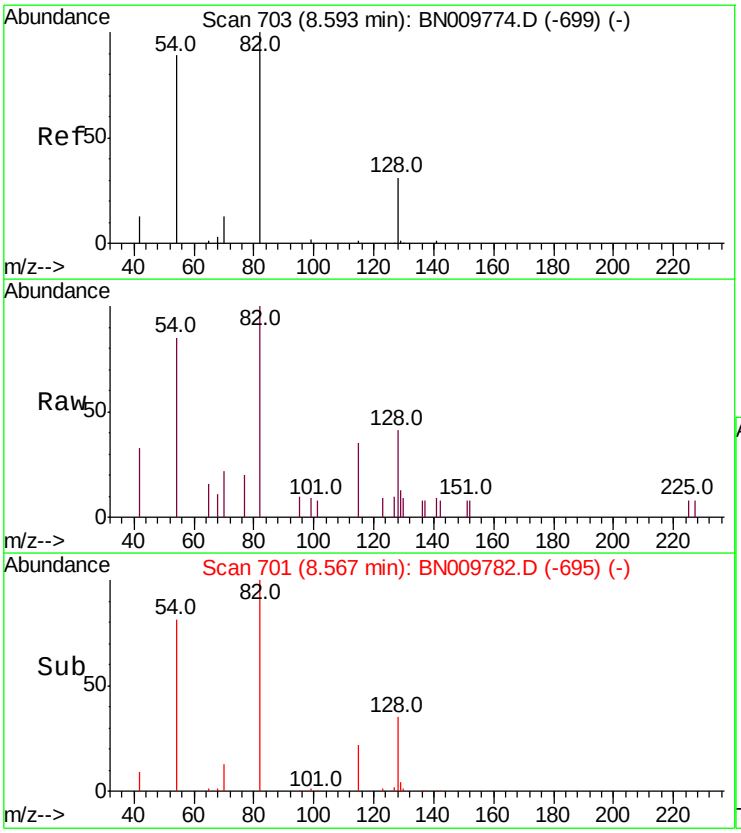
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.03 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:136 Resp: 3998

Ion	Ratio	Lower	Upper
136	100		
137	12.9	11.3	16.9
54	19.5	13.4	20.2
68	9.6	7.0	10.4

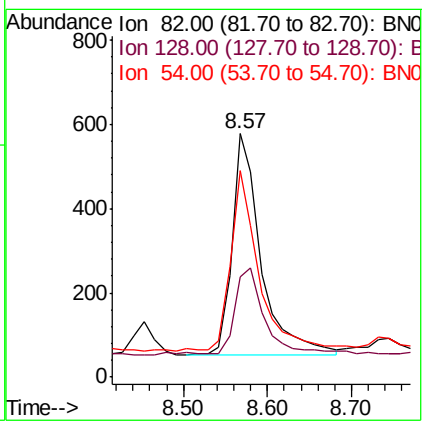


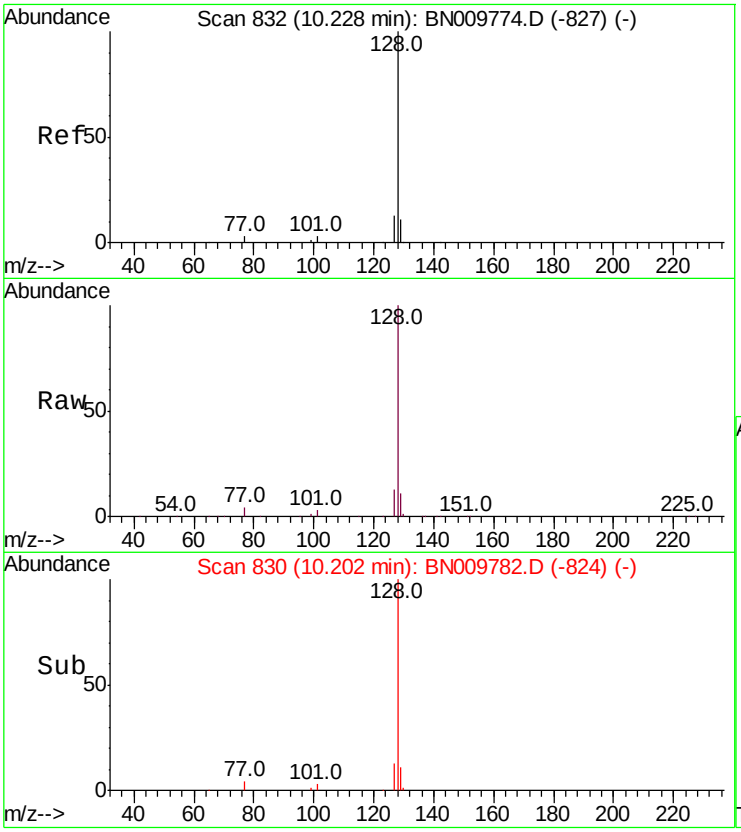


#8
Nitrobenzene-d5
Concen: 0.375 ng
RT: 8.57 min Scan# 701
Delta R.T. -0.03 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion: 82 Resp: 1246

Ion	Ratio	Lower	Upper
82	100		
128	41.0	32.5	48.7
54	84.6	73.5	110.3



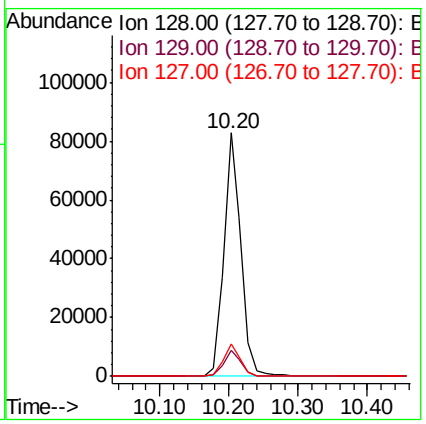


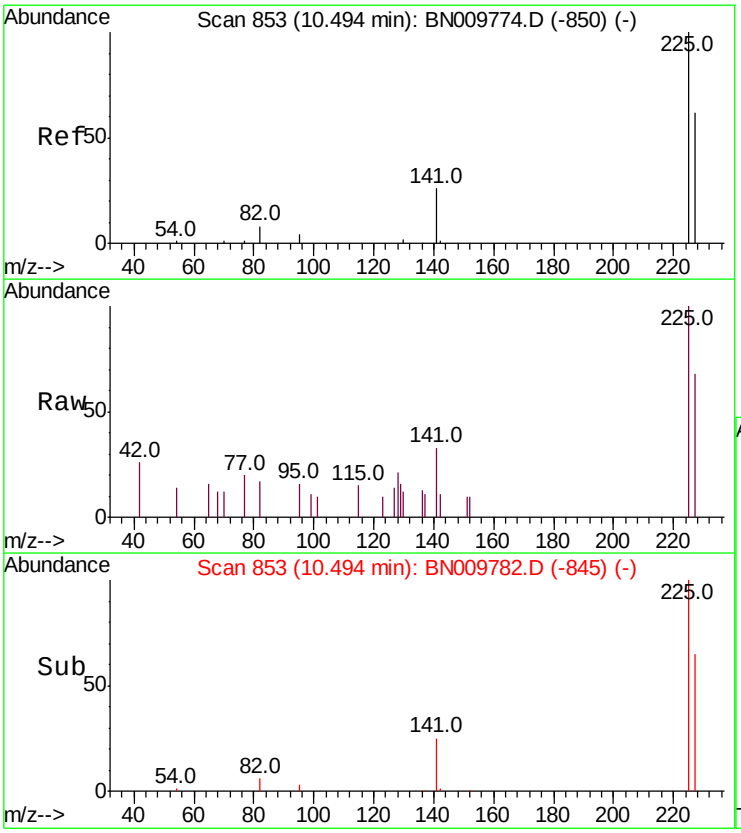
#9
Naphthalene
Concen: 13.161 ng
RT: 10.20 min Scan# 830
Delta R.T. -0.03 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:128 Resp: 143507

Ion	Ratio	Lower	Upper
128	100		
129	10.9	11.1	16.7#
127	13.1	12.6	19.0

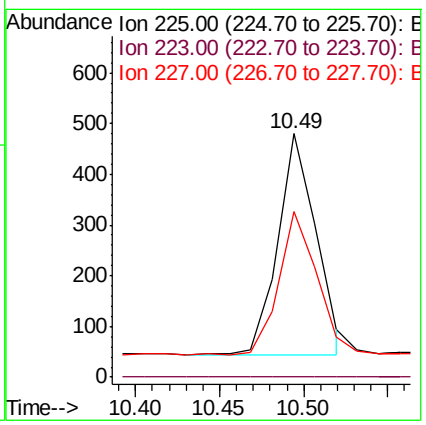


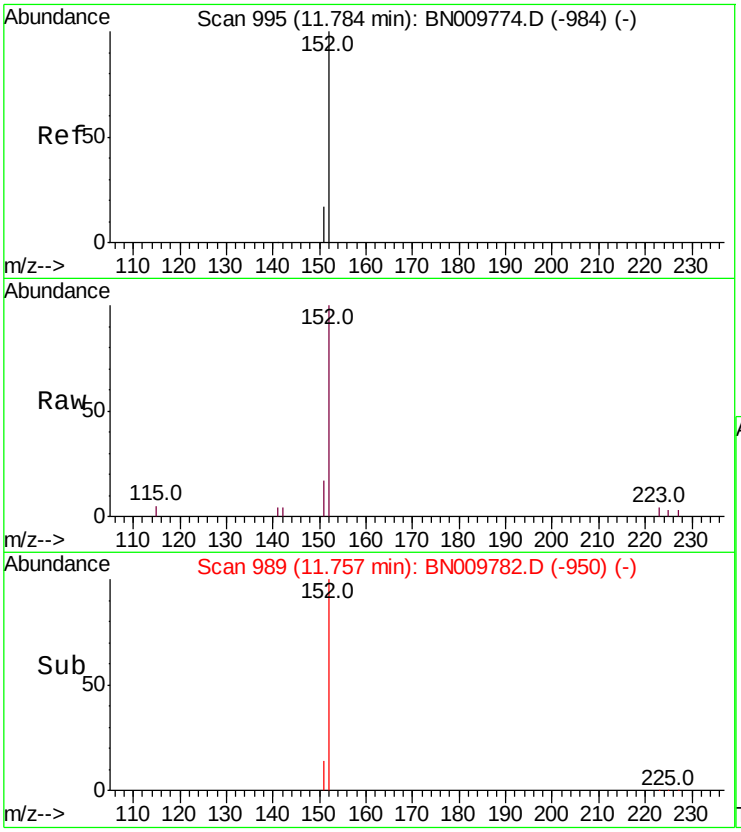


#10
Hexachlorobutadiene
Concen: 0.286 ng
RT: 10.49 min Scan# 853
Delta R.T. -0.00 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:225 Resp: 686

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	64.0	53.4	80.2



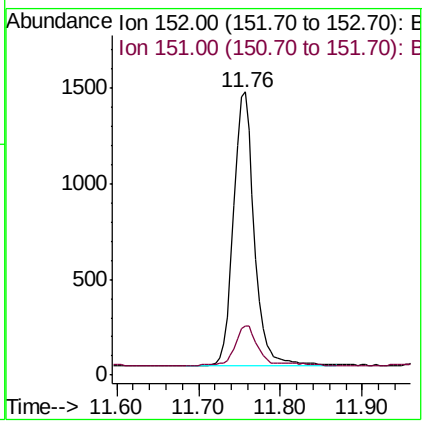


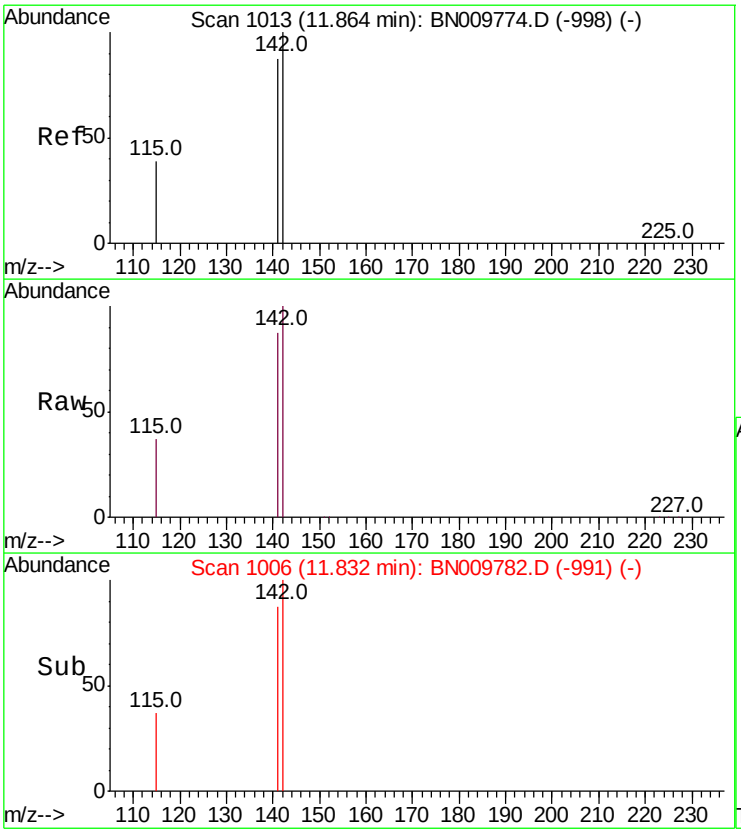
#11
2-Methylnaphthalene-d10
Concen: 0.328 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.03 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:152 Resp: 2539

Ion	Ratio	Lower	Upper
152	100		
151	15.8	15.1	22.7

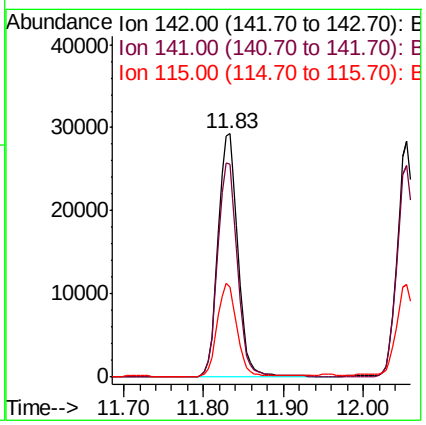


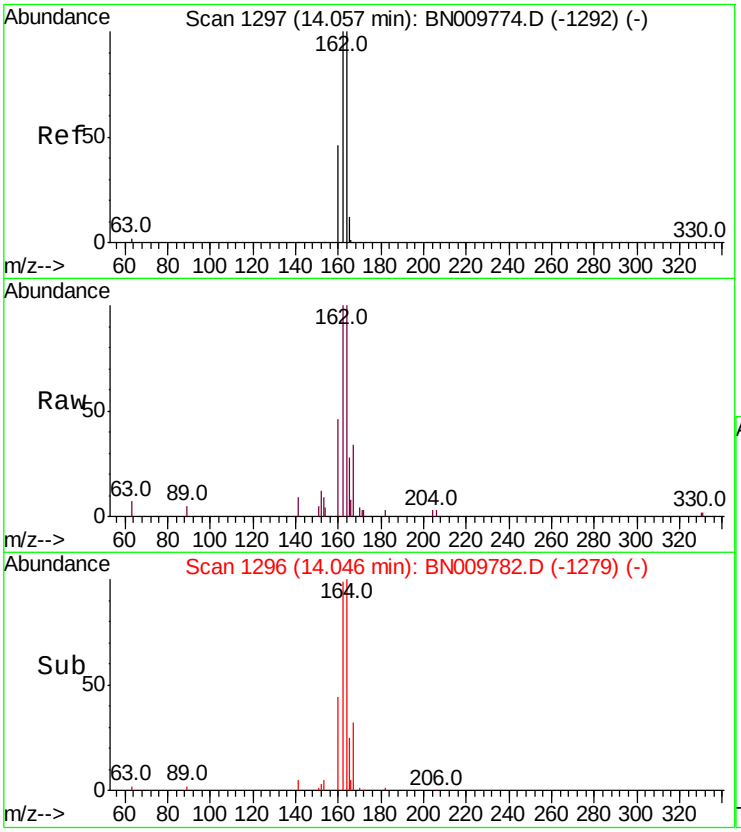


#12
2-Methylnaphthalene
Concen: 6.679 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:142 Resp: 49934

Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.8	104.6
115	37.1	34.6	52.0



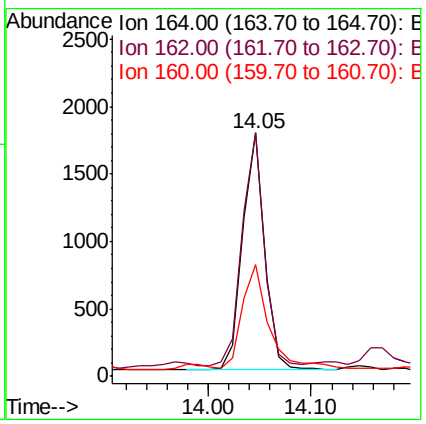


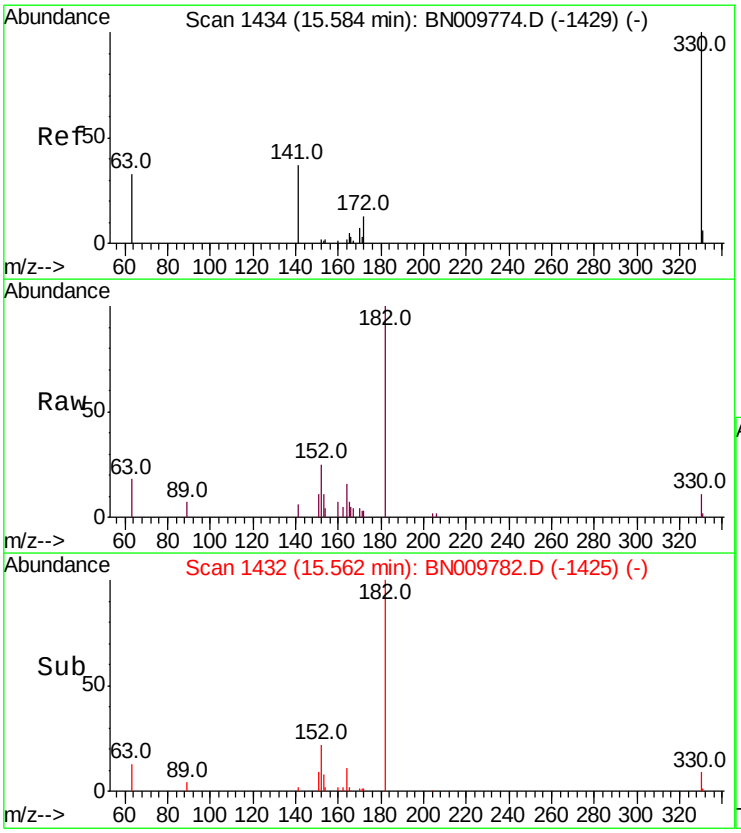
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:164 Resp: 2588

Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.9	119.9
160	46.1	38.2	57.2

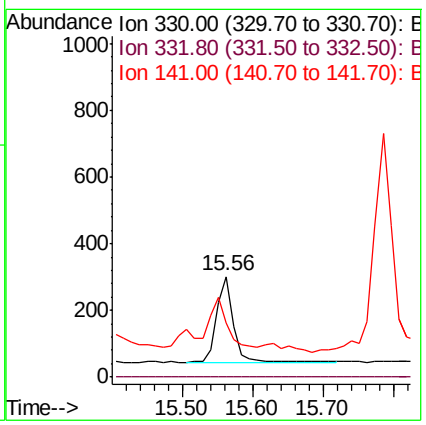


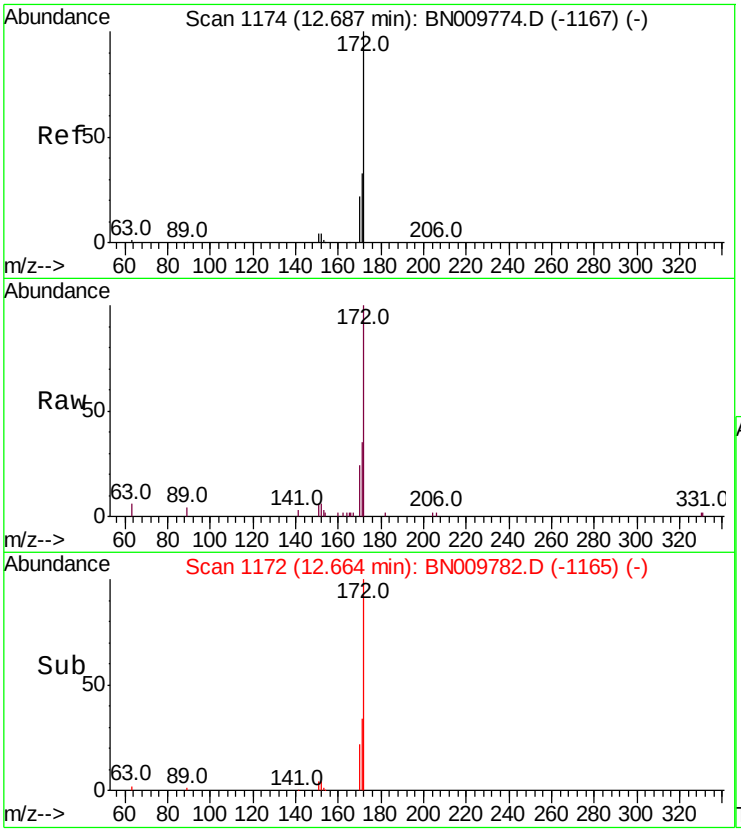


#14
2,4,6-Tribromophenol
Concen: 0.426 ng
RT: 15.56 min Scan# 1432
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:330 Resp: 425

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	55.3	36.8	55.2#



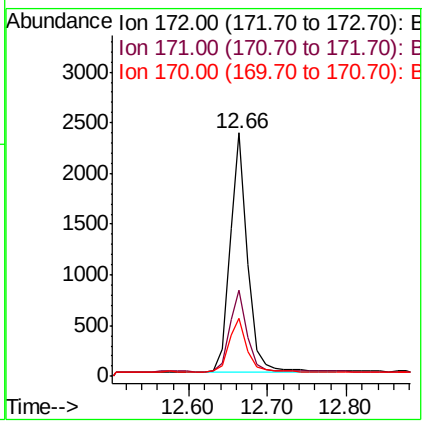


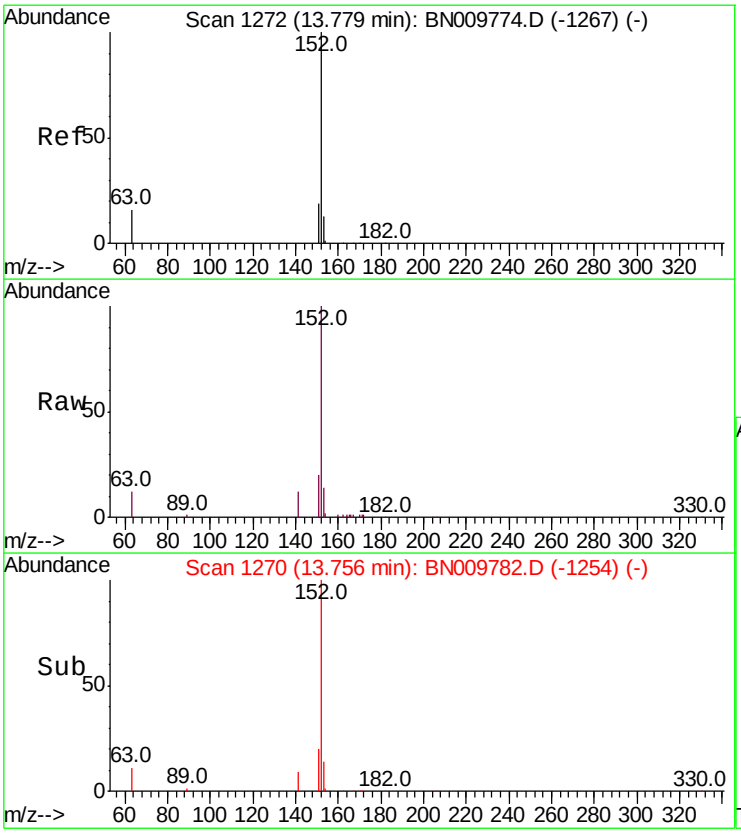
#15
2-Fluorobiphenyl
Concen: 0.375 ng
RT: 12.66 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:172 Resp: 3668

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.7	43.1
170	23.8	20.1	30.1

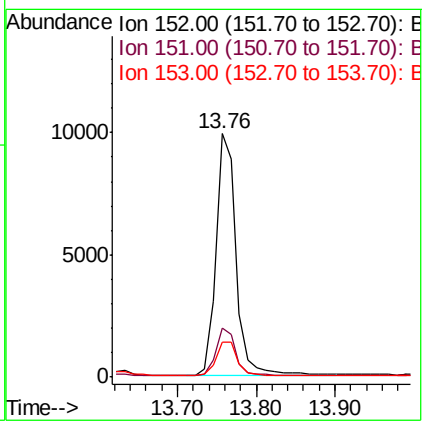


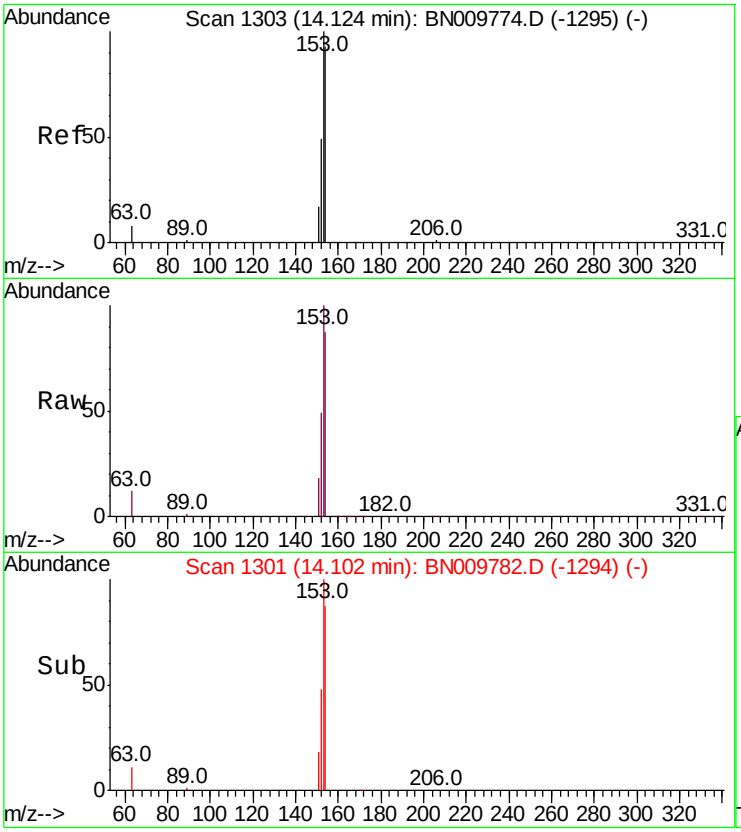


#16
Acenaphthylene
Concen: 1.612 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:152 Resp: 17779

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	15.1	10.2	15.4



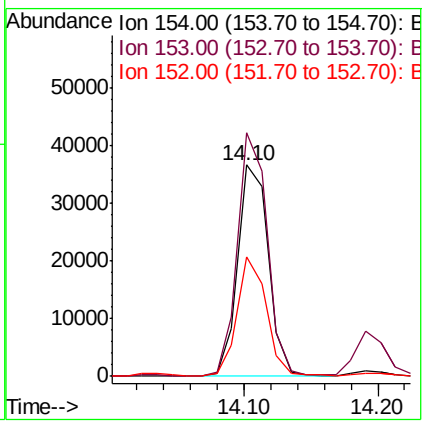


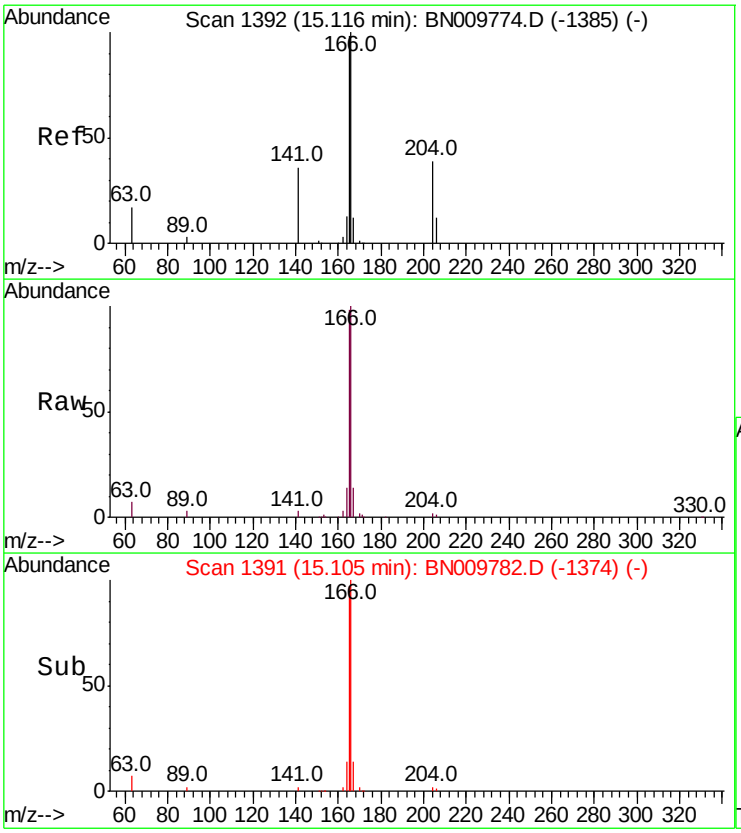
#17
Acenaphthene
Concen: 7.476 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:154 Resp: 58002

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

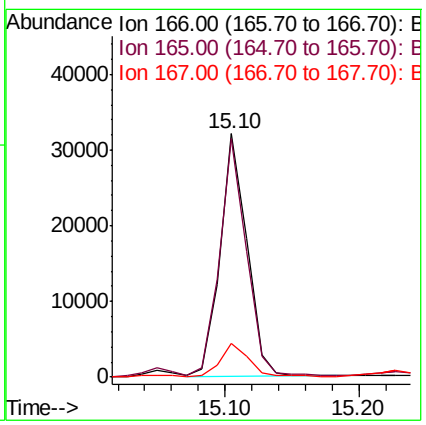


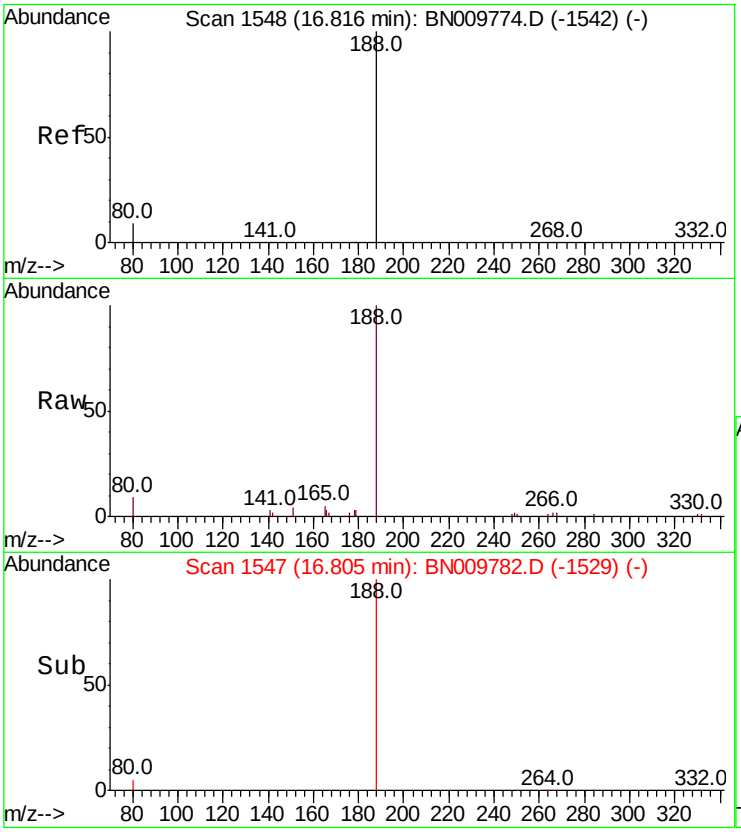


#18
Fluorene
Concen: 4.375 ng
RT: 15.10 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:166 Resp: 44786

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.2	115.8
167	14.3	10.5	15.7



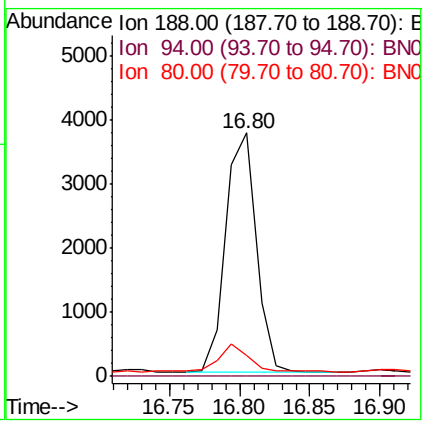


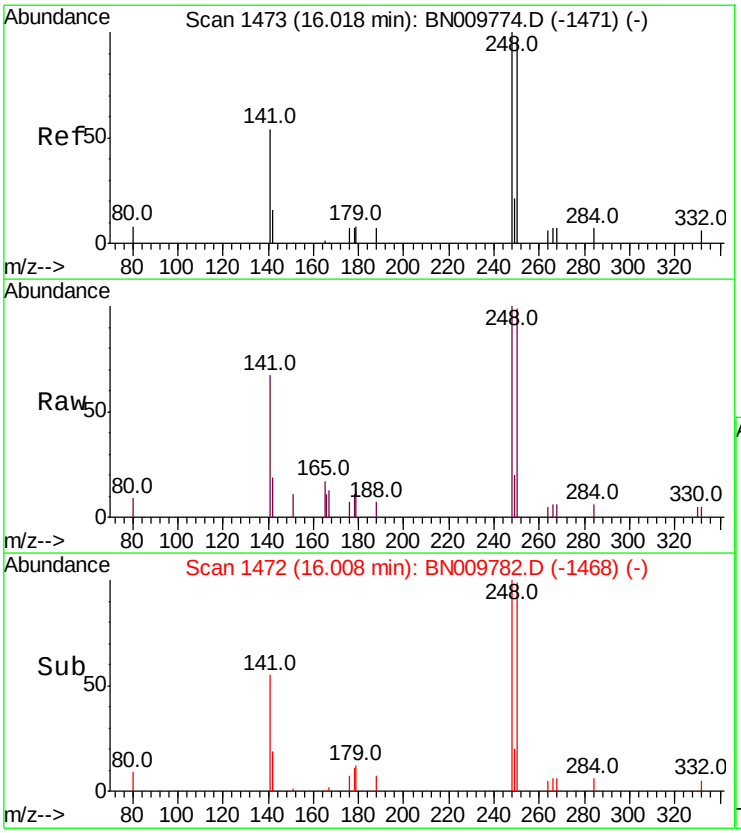
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:188 Resp: 5717

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.6	8.3	12.5

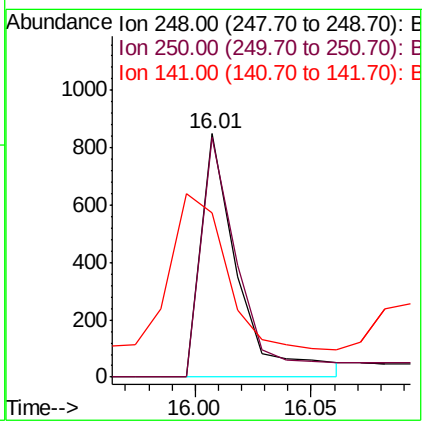


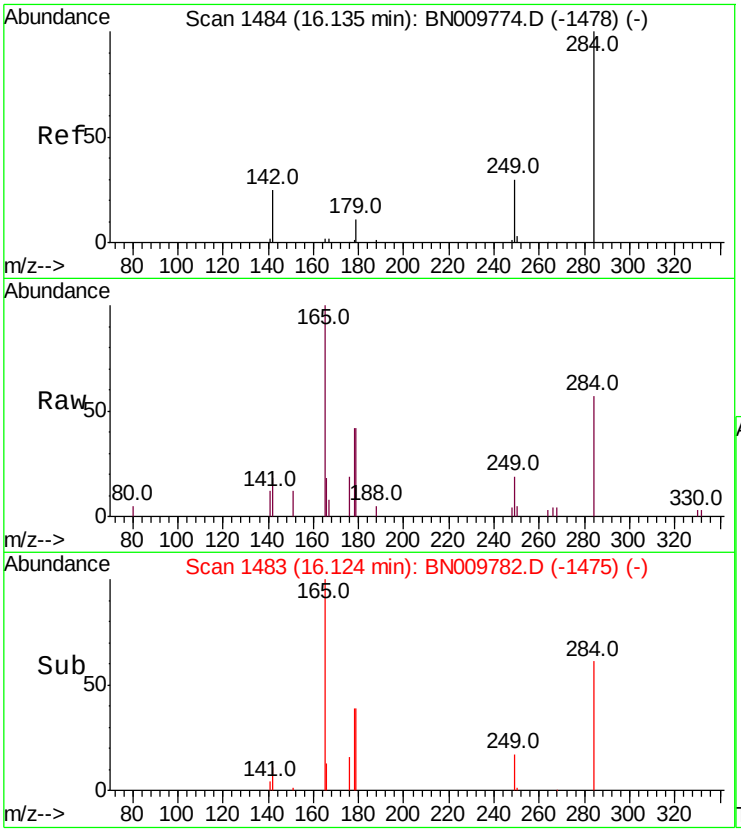


#20
4-Bromophenyl-phenylether
Concen: 0.180 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:248 Resp: 939

Ion	Ratio	Lower	Upper
248	100		
250	98.6	76.2	114.4
141	67.5	57.8	86.6



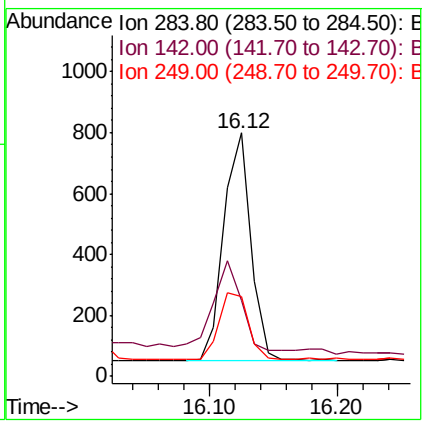


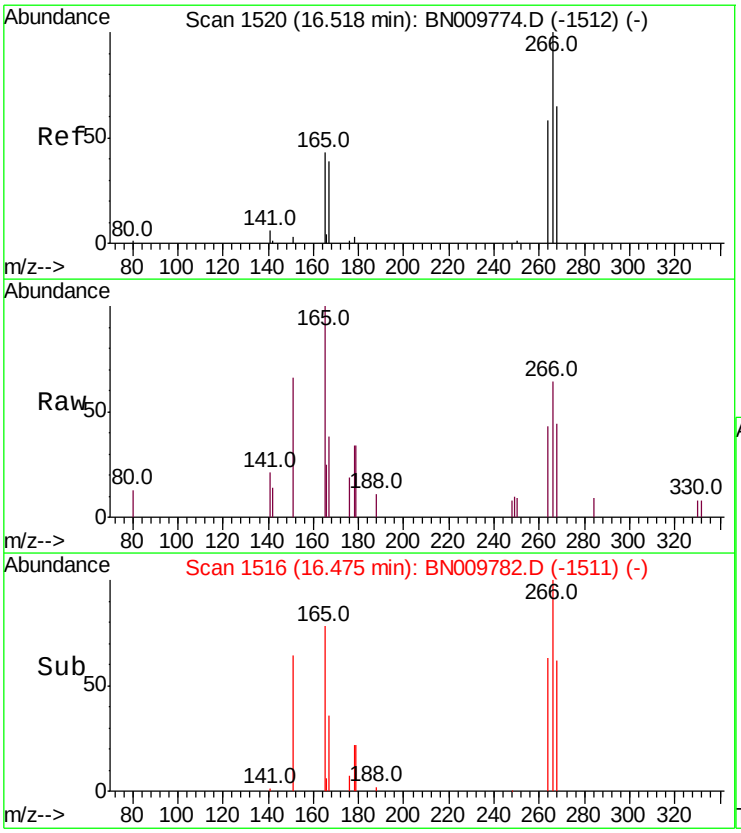
#21
Hexachlorobenzene
Concen: 0.312 ng
RT: 16.12 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:284 Resp: 1112

Ion	Ratio	Lower	Upper
284	100		
142	39.9	33.3	49.9
249	31.1	25.7	38.5

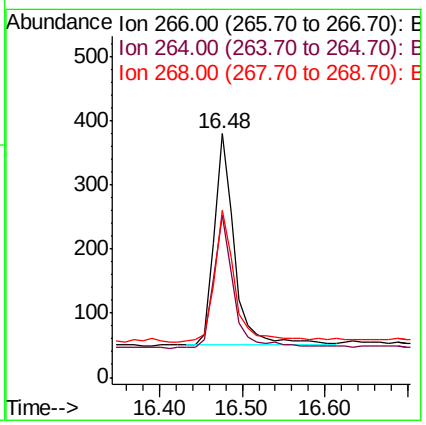


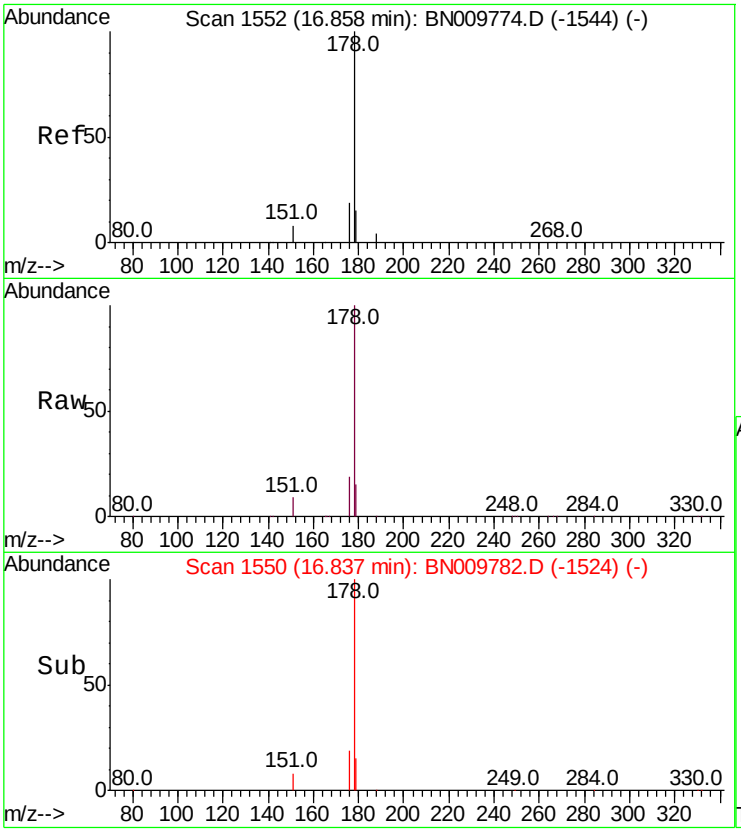


#22
Pentachlorophenol
Concen: 0.651 ng
RT: 16.48 min Scan# 1516
Delta R.T. -0.04 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:266 Resp: 563

Ion	Ratio	Lower	Upper
266	100		
264	66.8	58.1	87.1
268	68.6	65.7	98.5



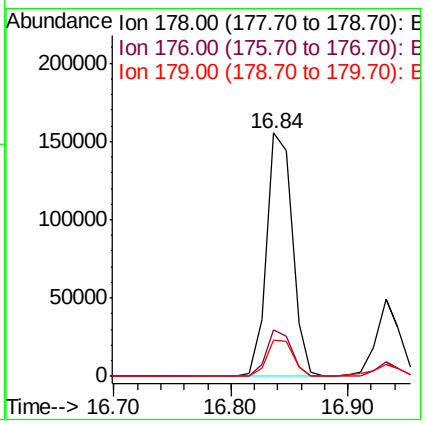


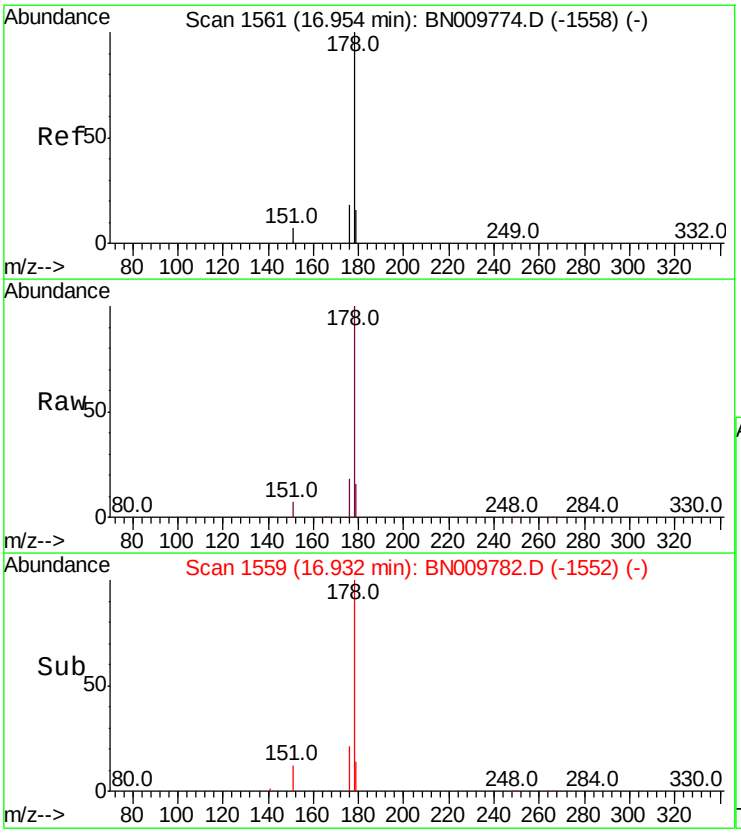
#23
Phenanthrene
Concen: 14.078 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:178 Resp: 239537

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.3	22.9
179	15.4	12.4	18.6

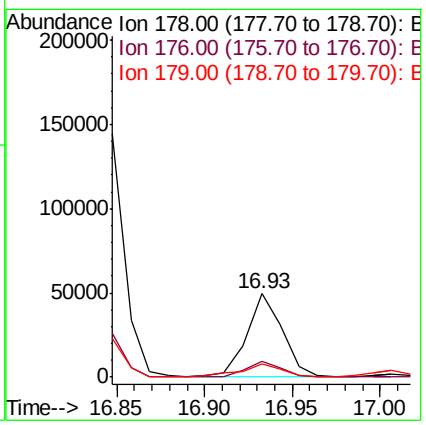


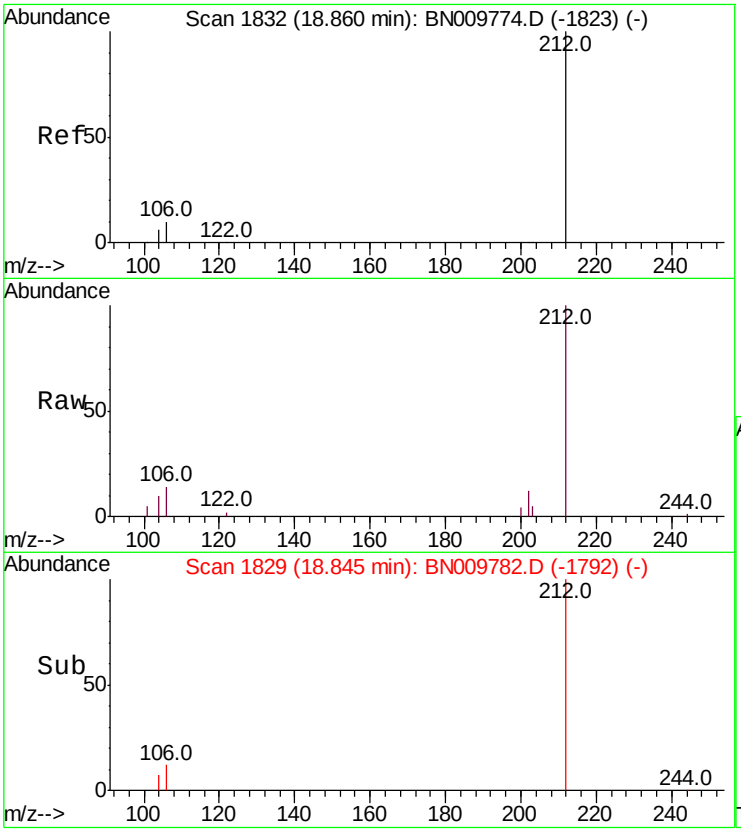


#24
Anthracene
Concen: 4.736 ng
RT: 16.93 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:178 Resp: 68109

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.3	21.5
179	18.3	12.4	18.6



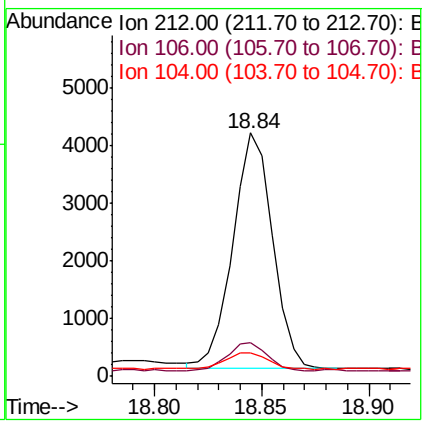


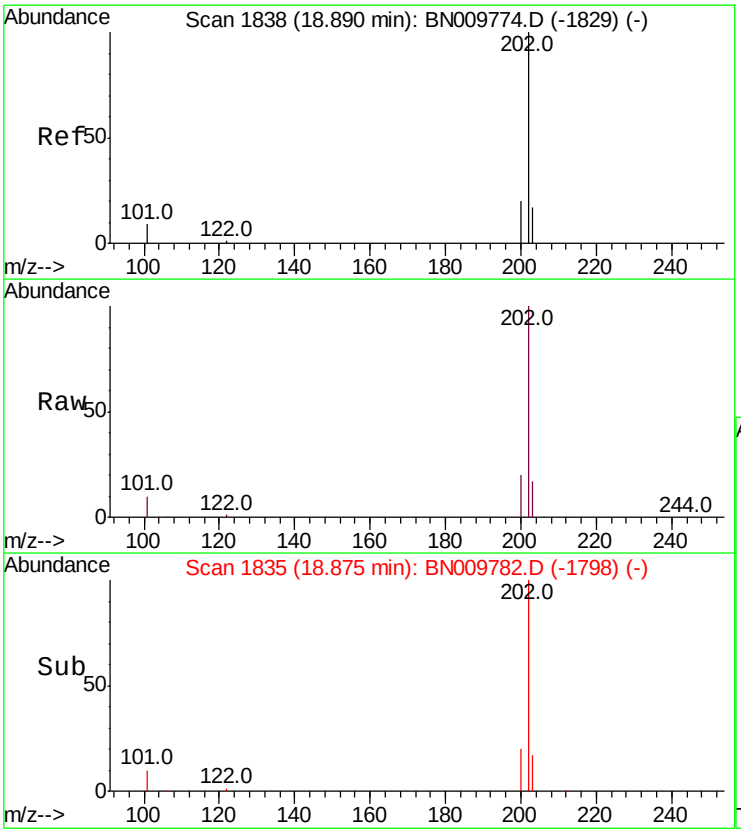
#25
Fluoranthene-d10
Concen: 0.267 ng
RT: 18.84 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:212 Resp: 5277

Ion	Ratio	Lower	Upper
212	100		
106	12.0	8.4	12.6
104	8.2	4.8	7.2#

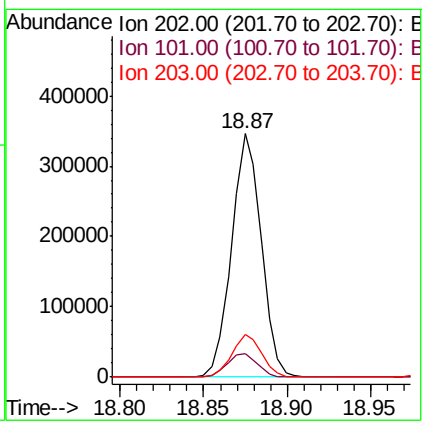


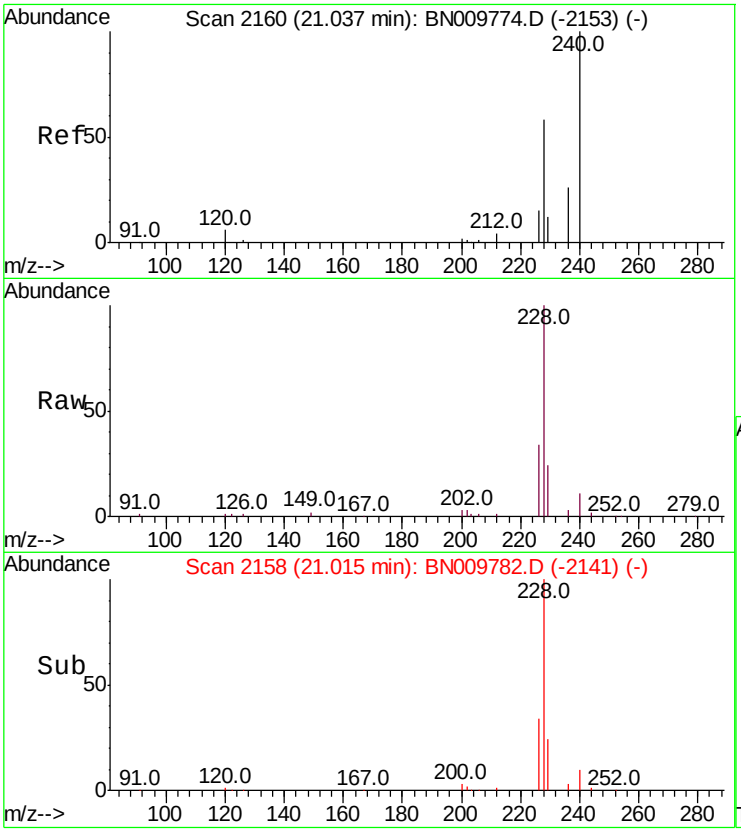


#26
Fluoranthene
Concen: 20.981 ng
RT: 18.87 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:202 Resp: 427439

Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.1	10.7
203	17.4	13.8	20.6



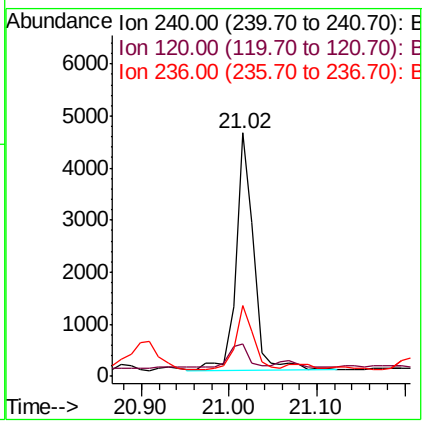


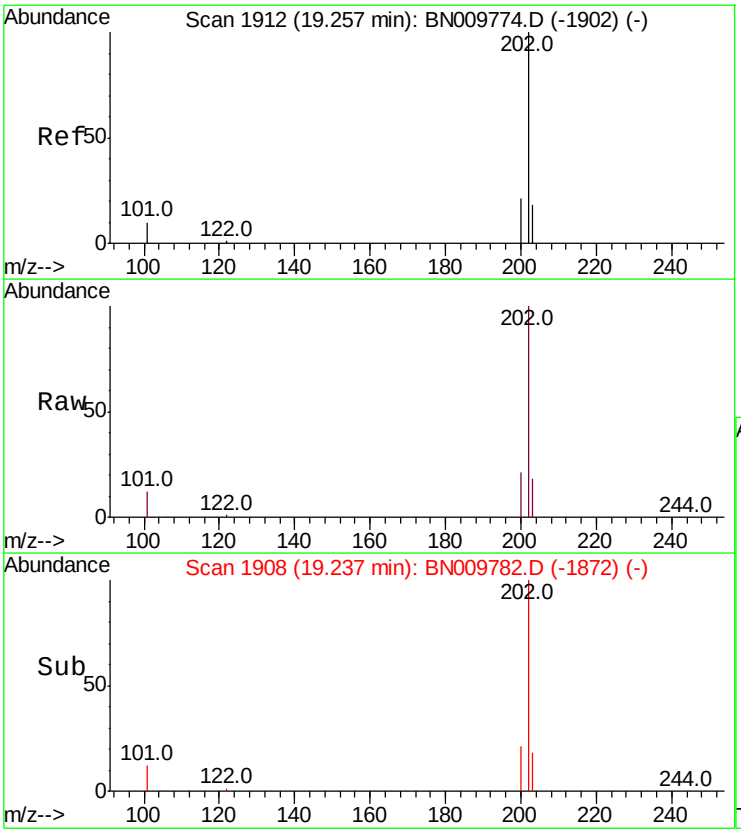
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:240 Resp: 6326

Ion	Ratio	Lower	Upper
240	100		
120	13.1	7.9	11.9#
236	28.8	22.0	33.0

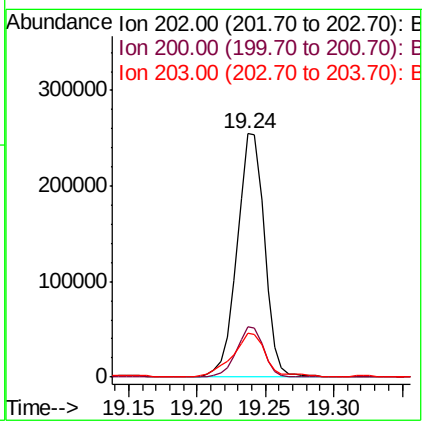


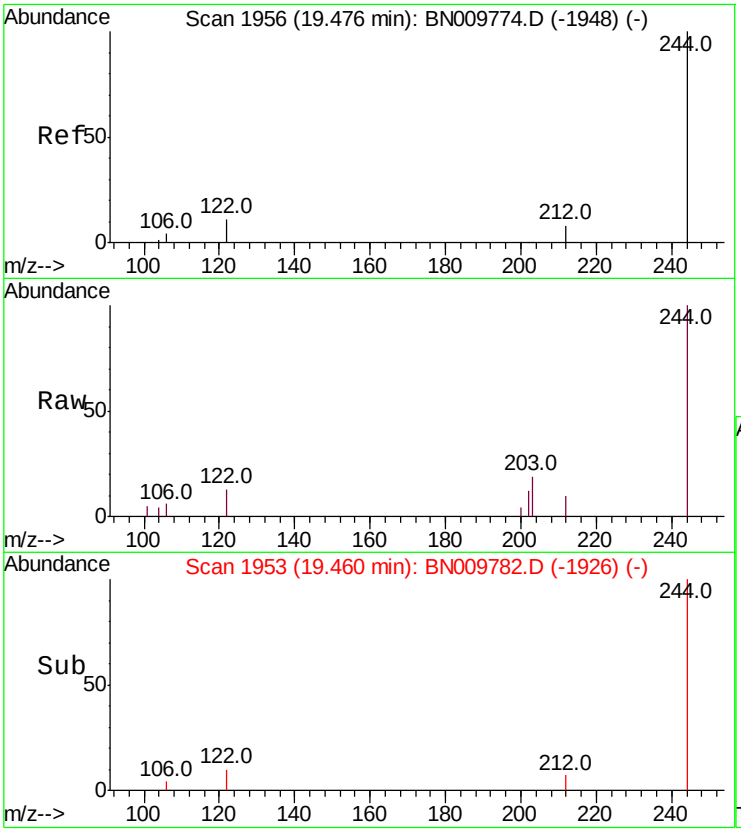


#28
Pyrene
Concen: 14.738 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:202 Resp: 354029

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.9	13.9	20.9#



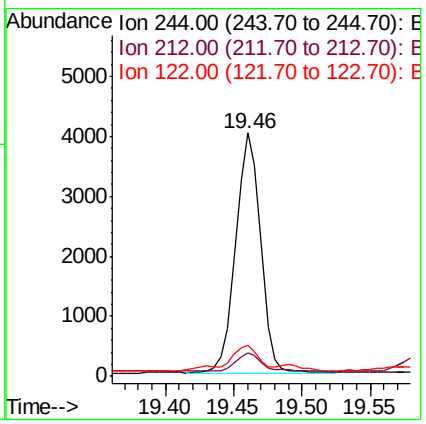


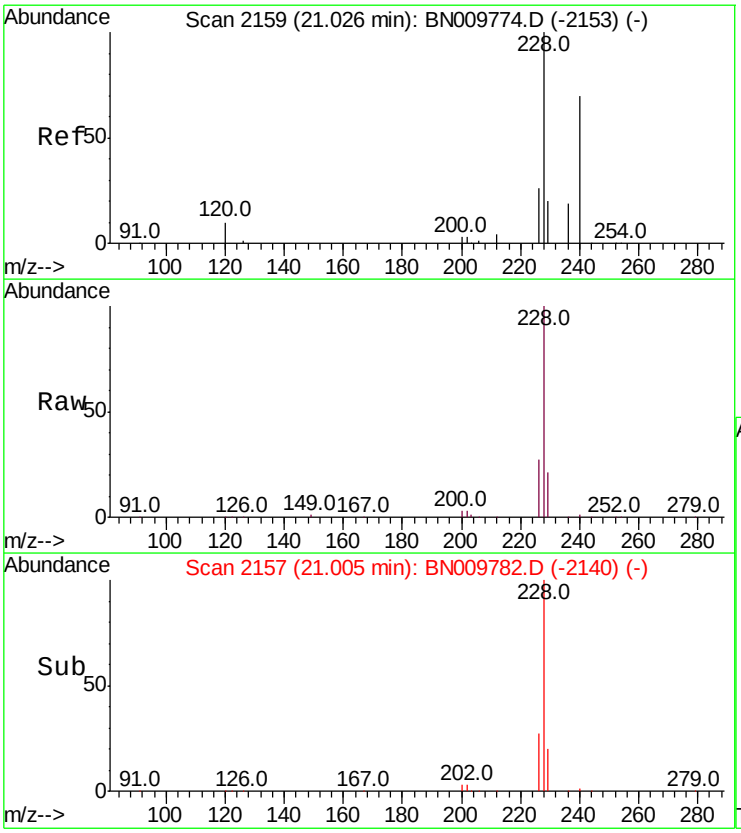
#29
Terphenyl-d14
Concen: 0.332 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:244 Resp: 5015

Ion	Ratio	Lower	Upper
244	100		
212	9.7	8.0	12.0
122	12.8	10.0	15.0

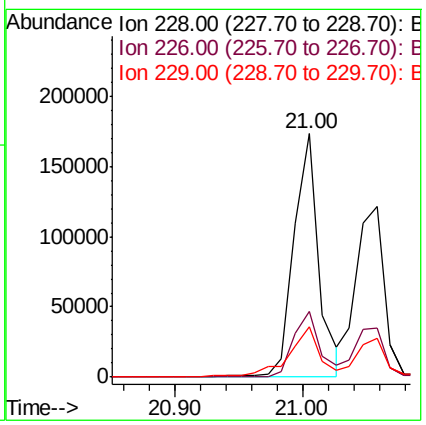


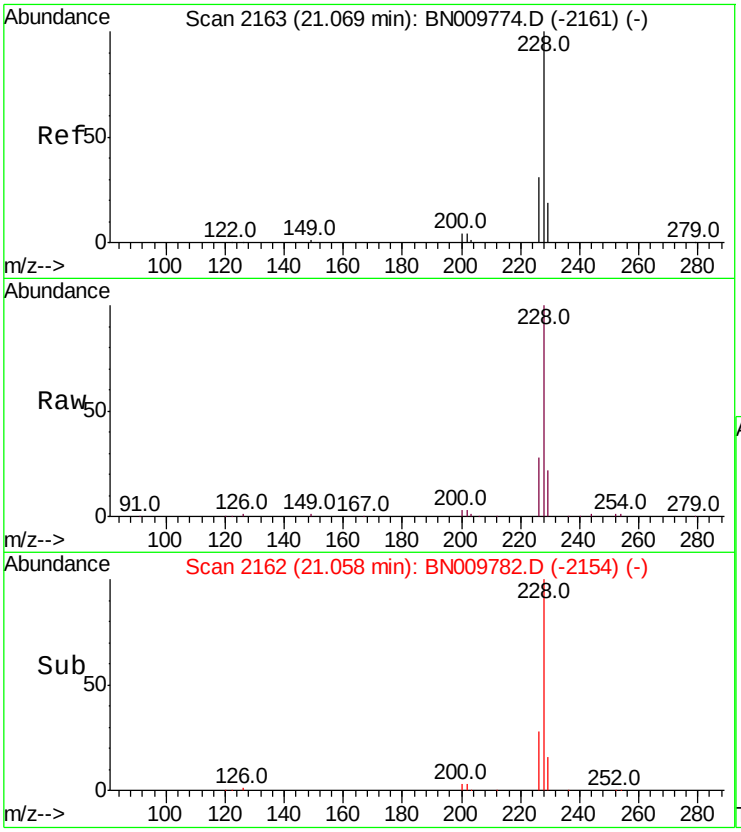


#30
Benzo(a)anthracene
Concen: 11.030 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:228 Resp: 231547

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	20.5	17.1	25.7



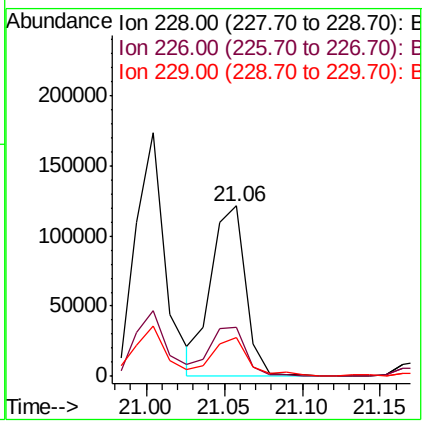


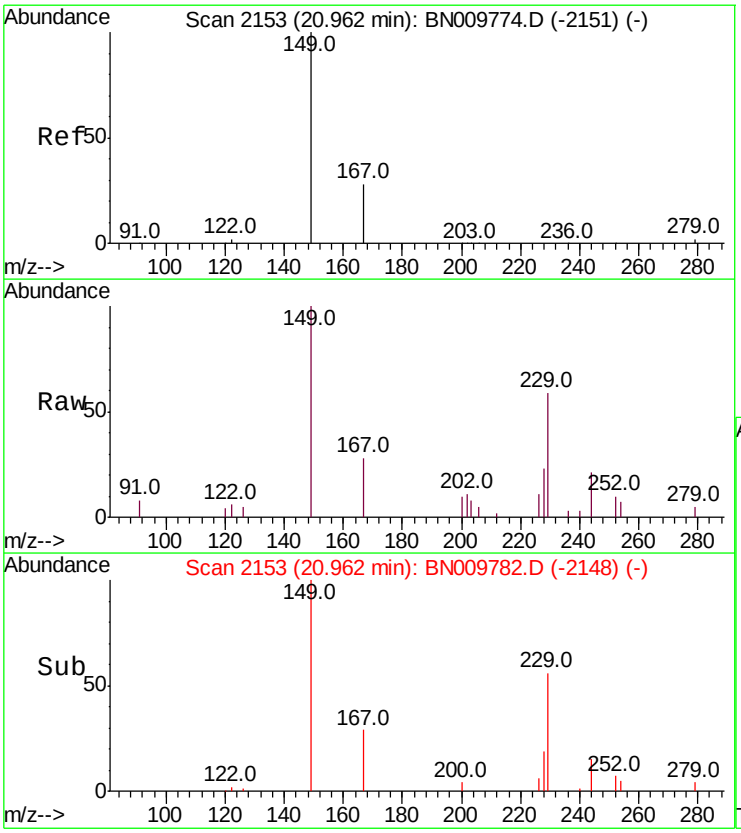
#31
Chrysene
Concen: 7.619 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:228 Resp: 185044

Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.8	37.2
229	22.4	16.4	24.6

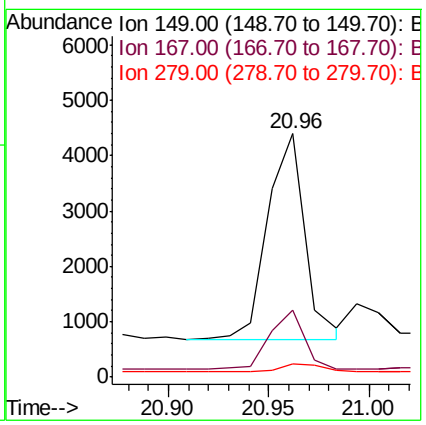


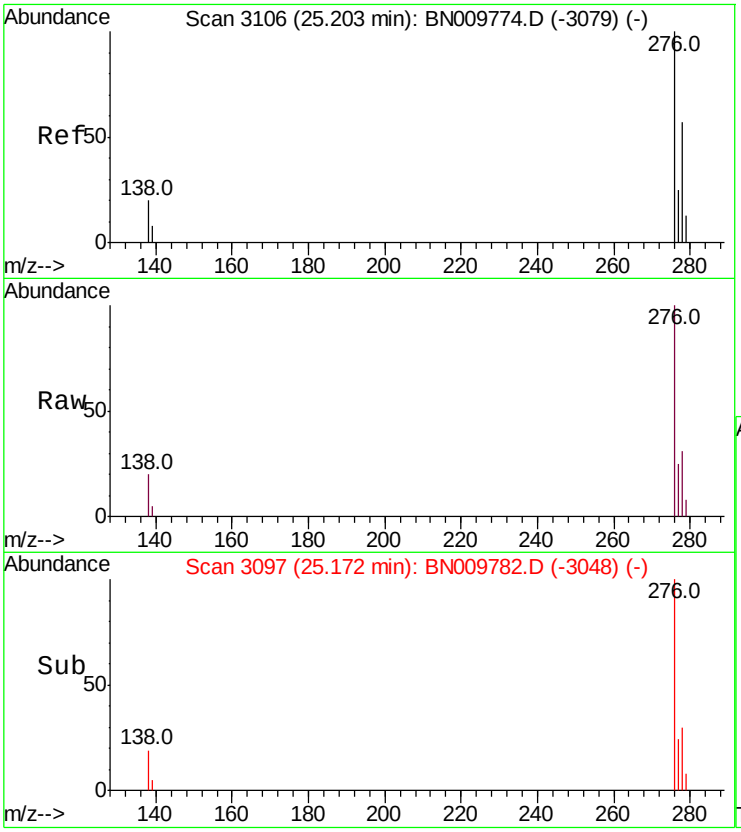


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.476 ng
RT: 20.96 min Scan# 2153
Delta R.T. -0.00 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:149 Resp: 4871

Ion	Ratio	Lower	Upper
149	100		
167	26.4	22.7	34.1
279	3.8	3.1	4.7



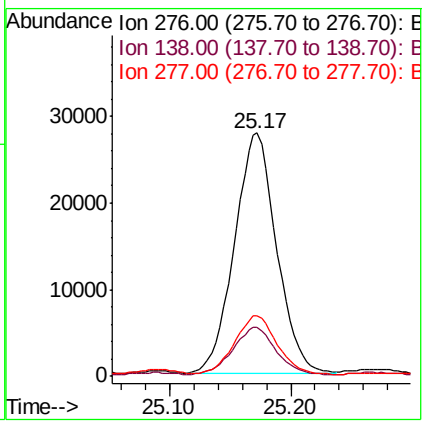


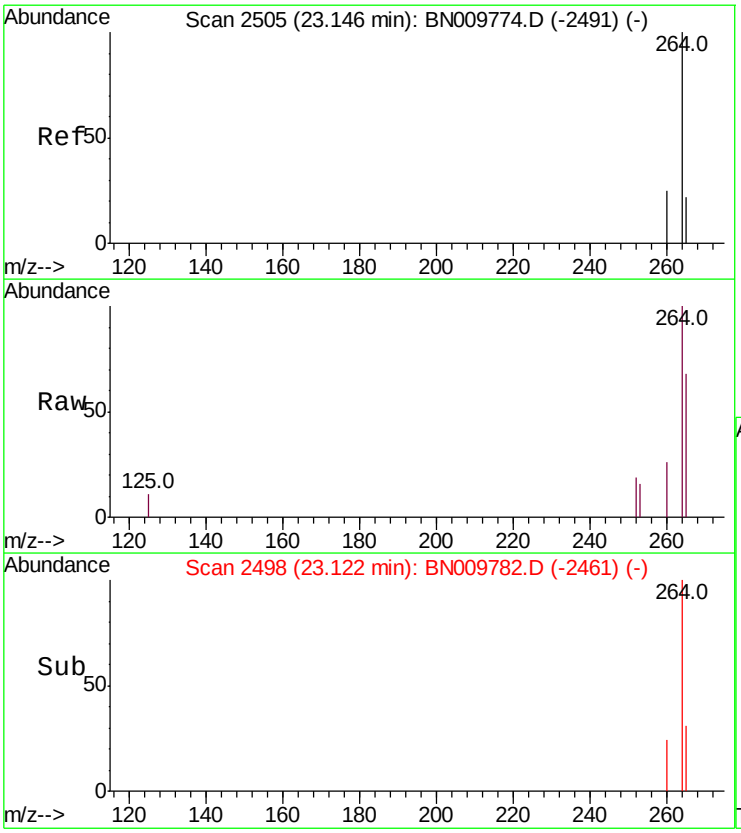
#33
Indeno(1,2,3-cd)pyrene
Concen: 2.650 ng
RT: 25.17 min Scan# 3097
Delta R.T. -0.03 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:276 Resp: 67019

Ion	Ratio	Lower	Upper
276	100		
138	19.8	15.8	23.6
277	24.8	19.3	28.9

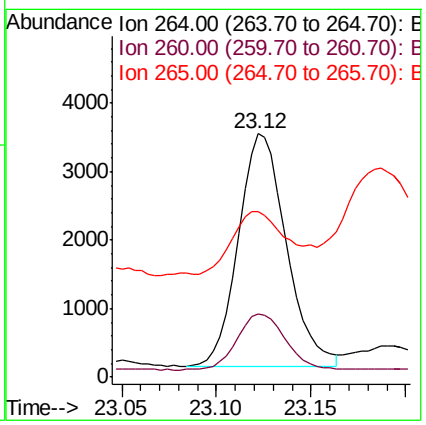


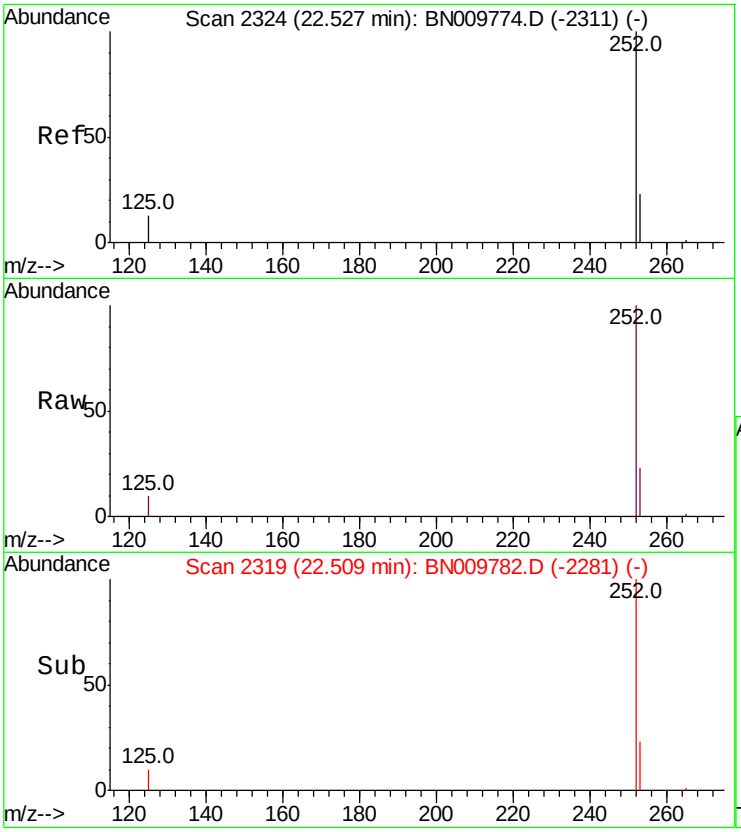


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2498
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:264 Resp: 6004

Ion	Ratio	Lower	Upper
264	100		
260	25.8	21.1	31.7
265	68.1	57.5	86.3



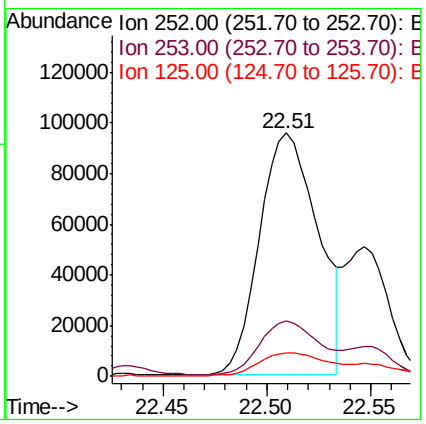


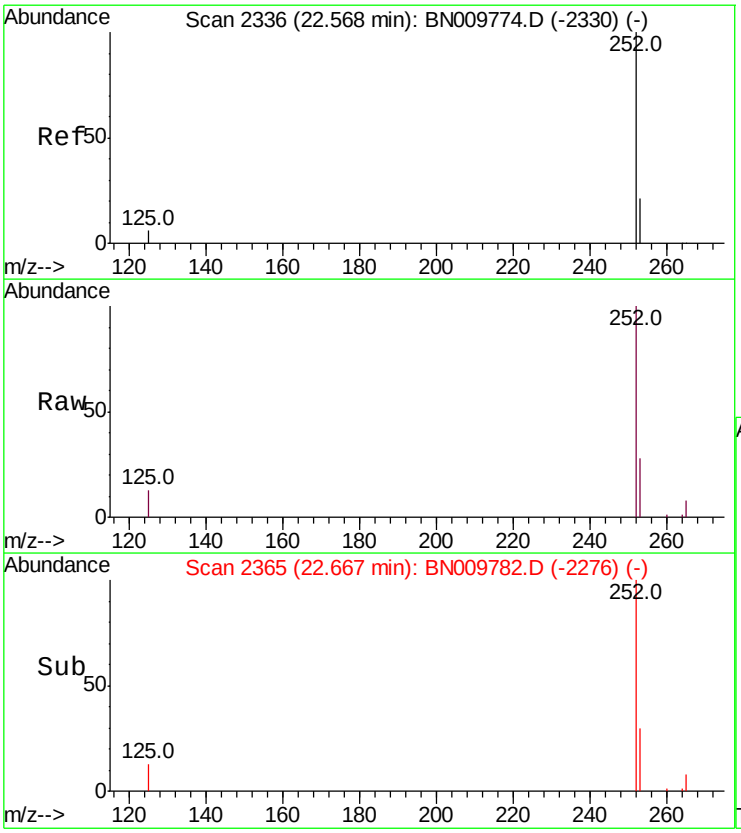
#35
Benzo(b)fluoranthene
Concen: 8.520 ng
RT: 22.51 min Scan# 2319
Delta R.T. -0.02 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:252 Resp: 187009

Ion	Ratio	Lower	Upper
252	100		
253	22.7	23.0	34.6#
125	9.9	14.4	21.6#

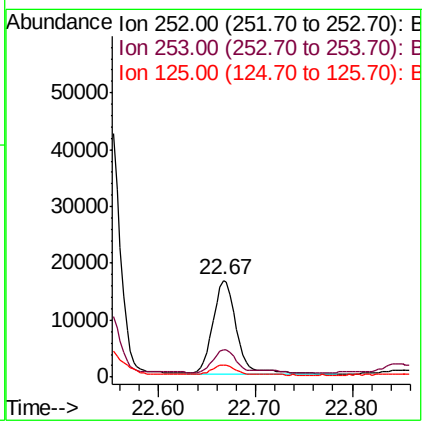


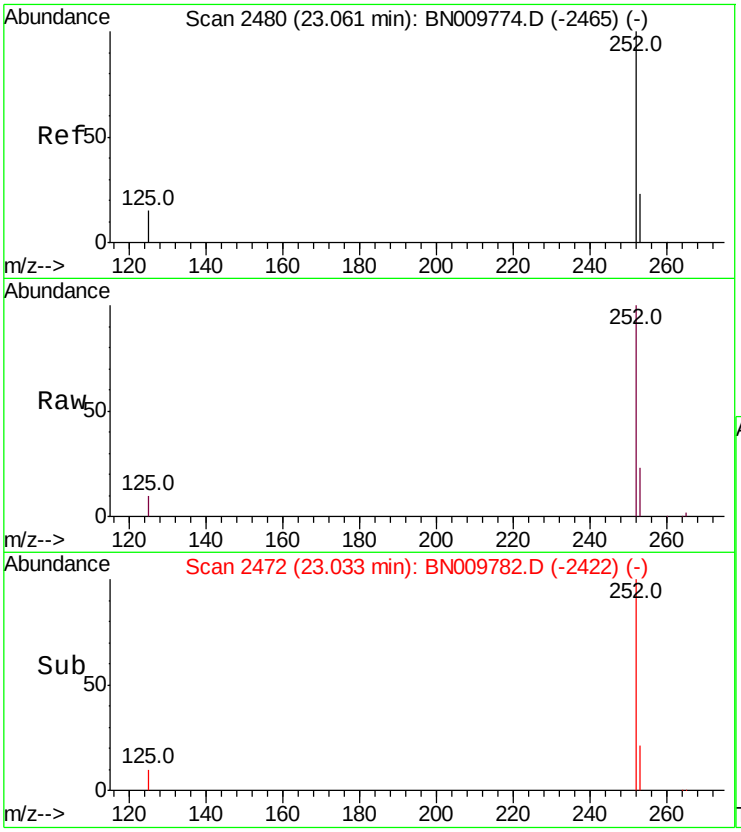


#36
Benzo(k)fluoranthene
Concen: 1.163 ng
RT: 22.67 min Scan# 2365
Delta R.T. 0.10 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:252 Resp: 27785

Ion	Ratio	Lower	Upper
252	100		
253	28.5	22.2	33.2
125	12.8	10.5	15.7



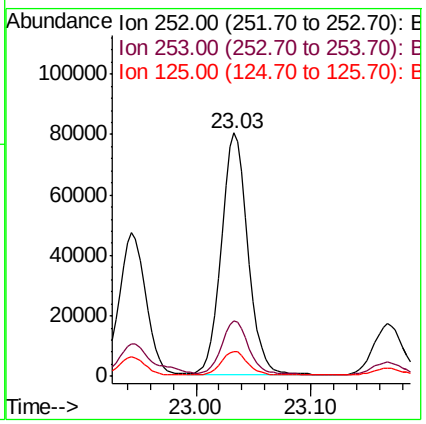


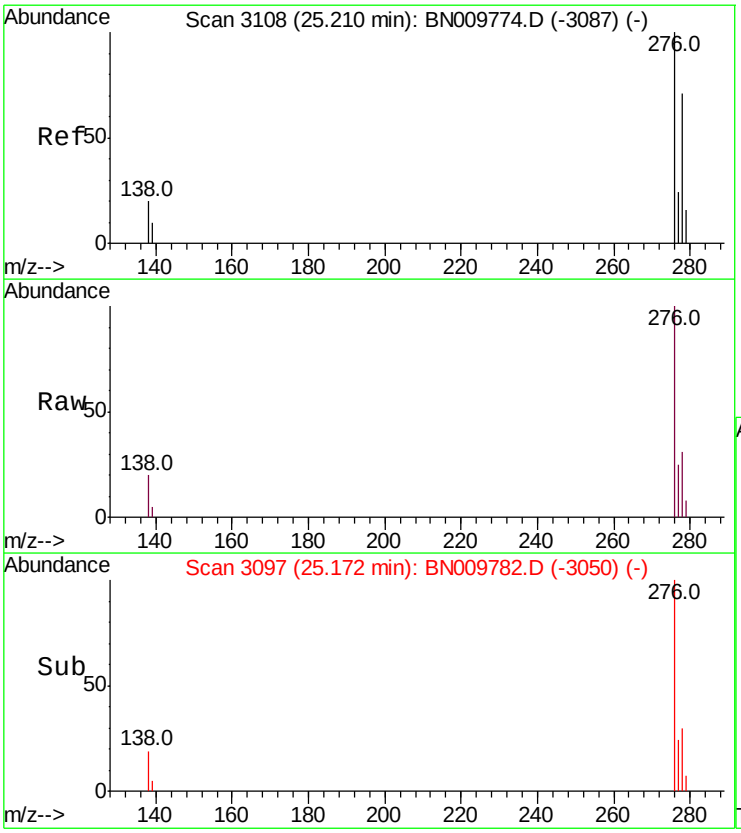
#37
Benzo(a)pyrene
Concen: 6.493 ng
RT: 23.03 min Scan# 2472
Delta R.T. -0.03 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:252 Resp: 130032

Ion	Ratio	Lower	Upper
252	100		
253	22.9	25.3	37.9#
125	10.3	17.7	26.5#

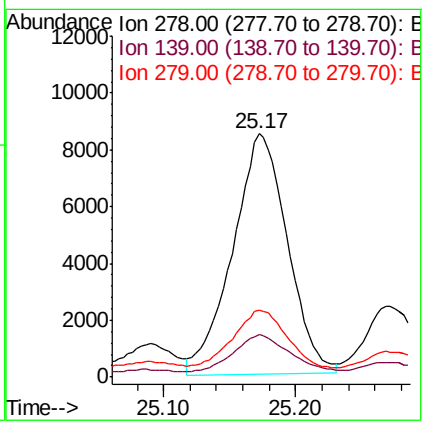


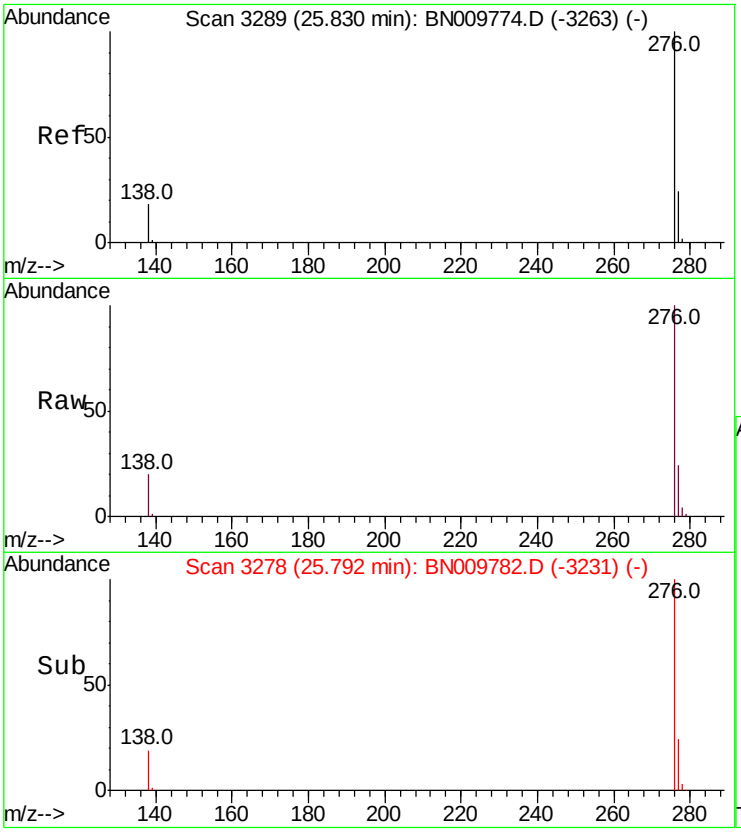


#38
Dibenzo(a,h)anthracene
Concen: 1.239 ng
RT: 25.17 min Scan# 3097
Delta R.T. -0.04 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Tgt Ion:278 Resp: 24439

Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.5	21.7
279	27.7	24.3	36.5





#39
Benzo(g,h,i)perylene
Concen: 2.828 ng
RT: 25.79 min Scan# 3278
Delta R.T. -0.04 min
Lab File: BN009782.D
Acq: 19 Feb 2020 17:58

Instrument :
BNA_N
ClientSampleId :
TP9-EP2-3MS

Tgt Ion:276 Resp: 59407

Ion	Ratio	Lower	Upper
276	100		
277	24.3	21.4	32.0
138	19.7	16.6	24.8