Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082119\
Data File : BN007293.D
Acq On : 21 Aug 2019 15:09
Operator : HP/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : SSTDCCC0.4EC

Quant Time: Aug 21 15:40:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	6314	0.40	ng		0.00
7) Naphthalene-d8	10.16	136	24177	0.40	ng		0.00
13) Acenaphthene-d10	14.06	164	13676	0.40	ng		0.00
19) Phenanthrene-d10	16.80	188	31130	0.40	ng		0.00
27) Chrysene-d12	21.04	240	31488	0.40	ng		0.00
34) Perylene-d12	23.14	264	36078	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.04	112	7641	0.40	ng		0.00
5) Phenol-d6	6.59	99	9523	0.43	ng		0.00
8) Nitrobenzene-d5	8.54	82	7500	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	11.77	152	16950	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	2962	0.39	ng		0.00
15) 2-Fluorobiphenyl	12.66	172	23891	0.41	ng		0.00
25) Fluoranthene-d10	18.85	212	41004	0.42	ng		0.00
29) Terphenyl-d14	19.48	244	33045	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.01	88	3539	0.395	ng		97
3) n-Nitrosodimethylamine	3.32	42	2565	0.427	ng	#	98
6) bis(2-Chloroethyl)ether	6.84	93	7712	0.414	ng		98
9) Naphthalene	10.21	128	28090	0.410	ng		100
10) Hexachlorobutadiene	10.52	225	6089	0.403	ng	#	99
12) 2-Methylnaphthalene	11.84	142	19579	0.413	ng		99
16) Acenaphthylene	13.77	152	29744	0.410	ng		99
17) Acenaphthene	14.11	154	18758	0.406	ng		99
18) Fluorene	15.12	166	24600	0.407	ng		98
20) 4-Bromophenyl-phenylether	16.01	248	7500	0.421	ng	#	83
21) Hexachlorobenzene	16.12	284	8662	0.420	ng		100
22) Pentachlorophenol	16.46	266	3495	0.422	ng		97
23) Phenanthrene	16.85	178	40408	0.414	ng		100
24) Anthracene	16.94	178	36255	0.413	ng		99
26) Fluoranthene	18.88	202	49117	0.416	ng		100
28) Pyrene	19.25	202	50750	0.431	ng		100
30) Benzo(a)anthracene	21.02	228	50887	0.435	ng		97
31) Chrysene	21.07	228	49853	0.417	ng		99
32) Bis(2-ethylhexyl)phthalate	20.98	149	23007	0.492	ng		100
33) Indeno(1,2,3-cd)pyrene	25.22	276	63038	0.438	ng		99
35) Benzo(b)fluoranthene	22.52	252	51502	0.383	ng		100
36) Benzo(k)fluoranthene	22.56	252	52927	0.402	ng		98
37) Benzo(a)pyrene	23.05	252	48770	0.402	ng		100
38) Dibenzo(a,h)anthracene	25.23	278	50796	0.399	ng		99
39) Benzo(g,h,i)perylene	25.84	276	50096	0.389	ng		99

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

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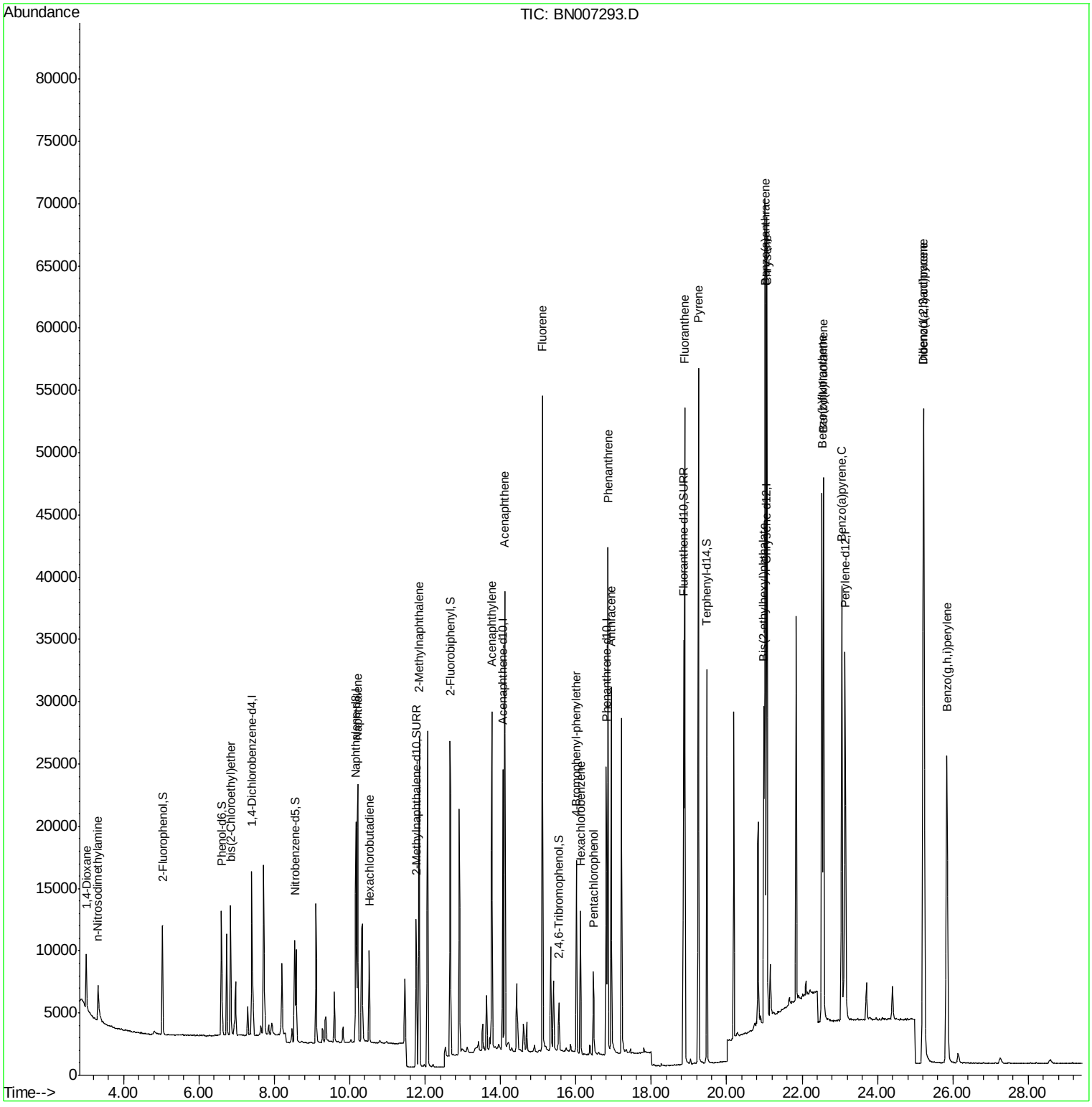
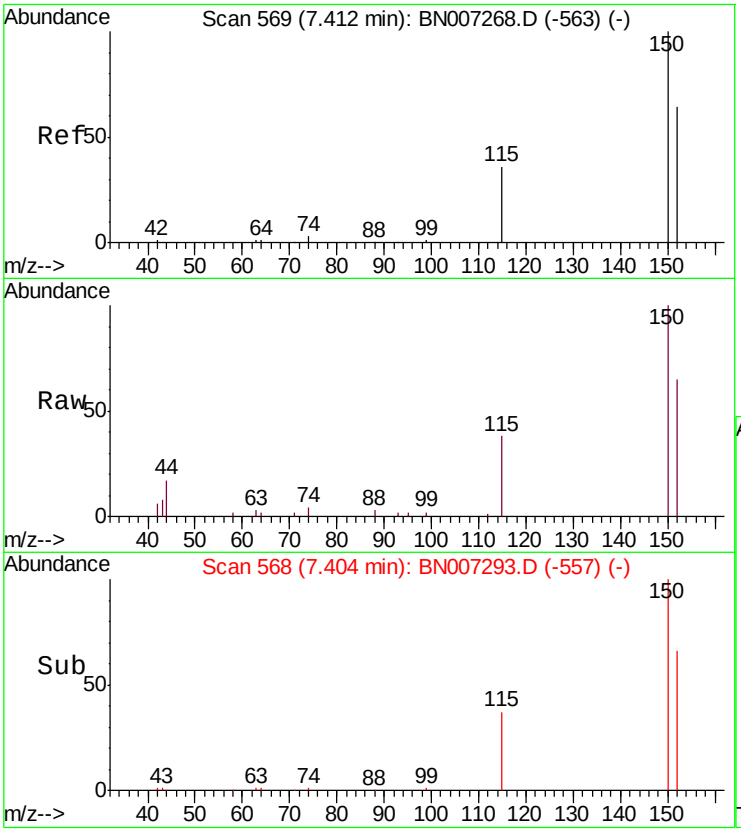
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Aug 21 15:40:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 20 18:52:43 2019
Response via : Initial Calibration



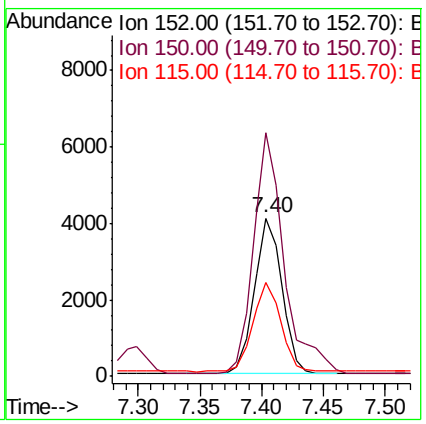


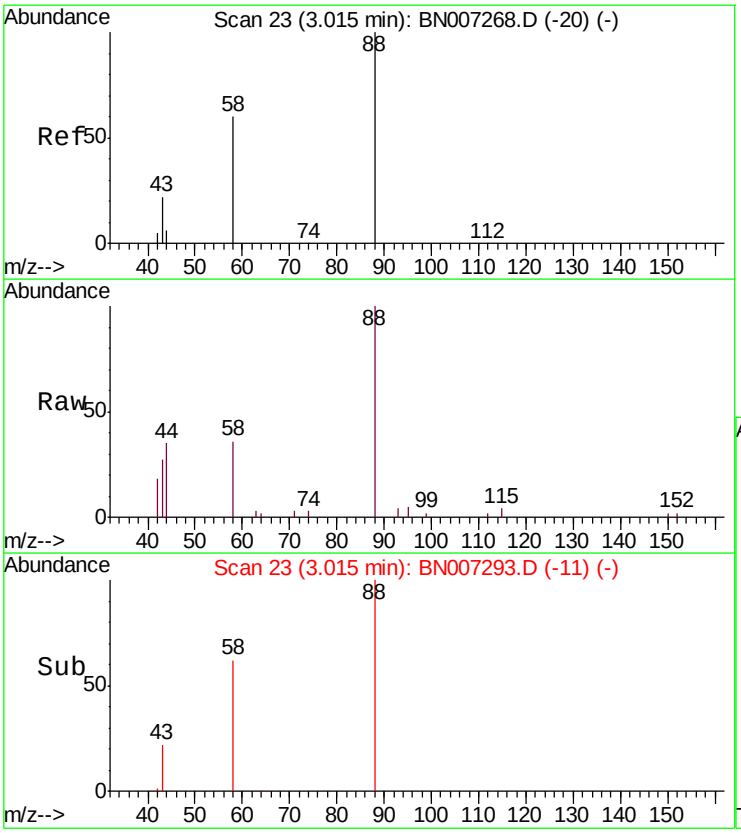
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 6314

Ion	Ratio	Lower	Upper
152	100		
150	153.9	123.8	185.8
115	59.0	47.3	70.9

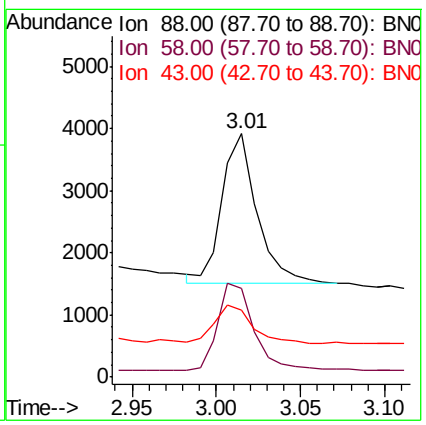


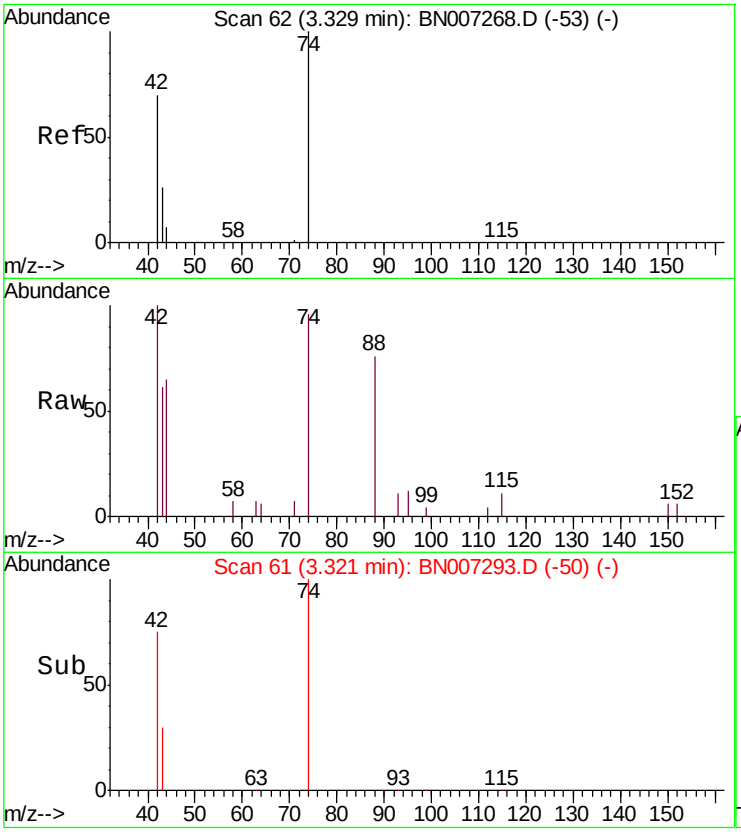


#2
1,4-Dioxane
Concen: 0.395 ng
RT: 3.01 min Scan# 23
Delta R.T. -0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion: 88 Resp: 3539

Ion	Ratio	Lower	Upper
88	100		
58	59.3	45.5	68.3
43	26.7	20.4	30.6



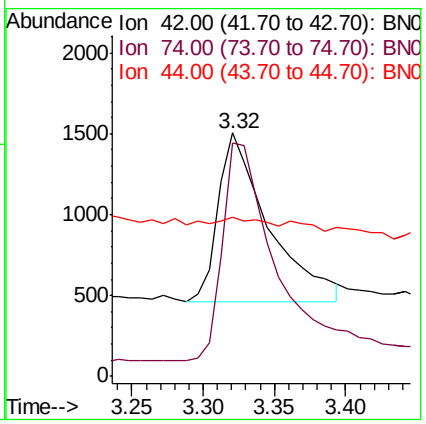


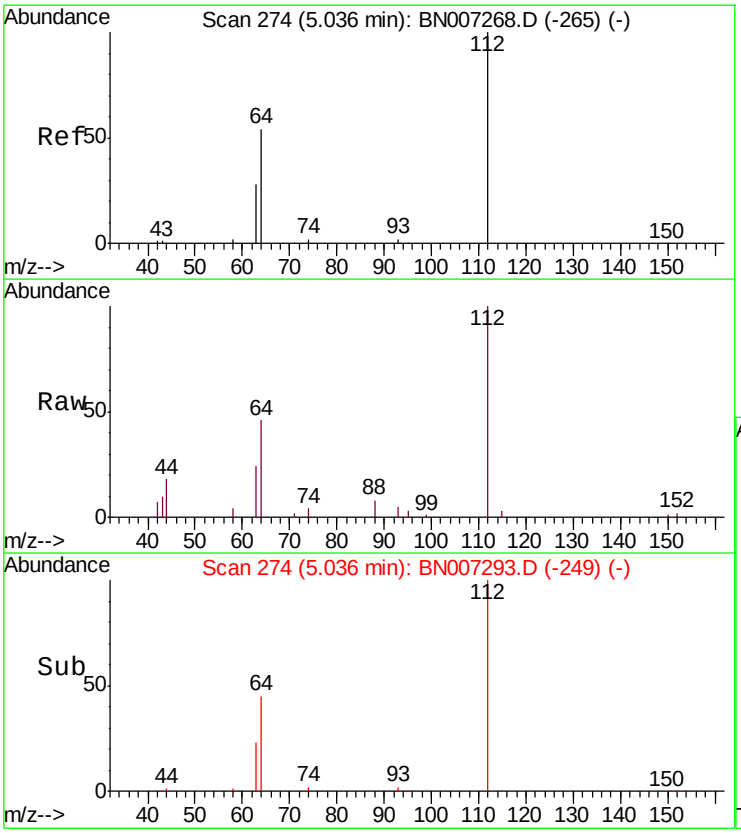
#3
n-Nitrosodimethylamine
Concen: 0.427 ng
RT: 3.32 min Scan# 61
Delta R.T. -0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 2565

Ion	Ratio	Lower	Upper
42	100		
74	133.5	109.0	163.4
44	3.4	4.2	6.2#

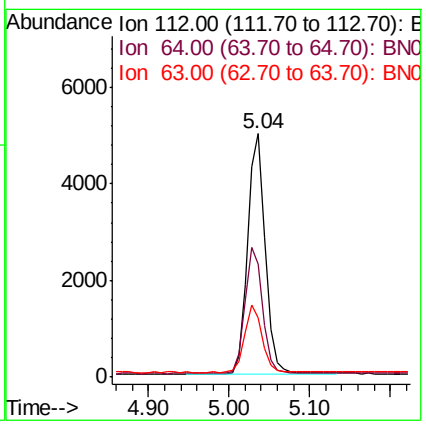


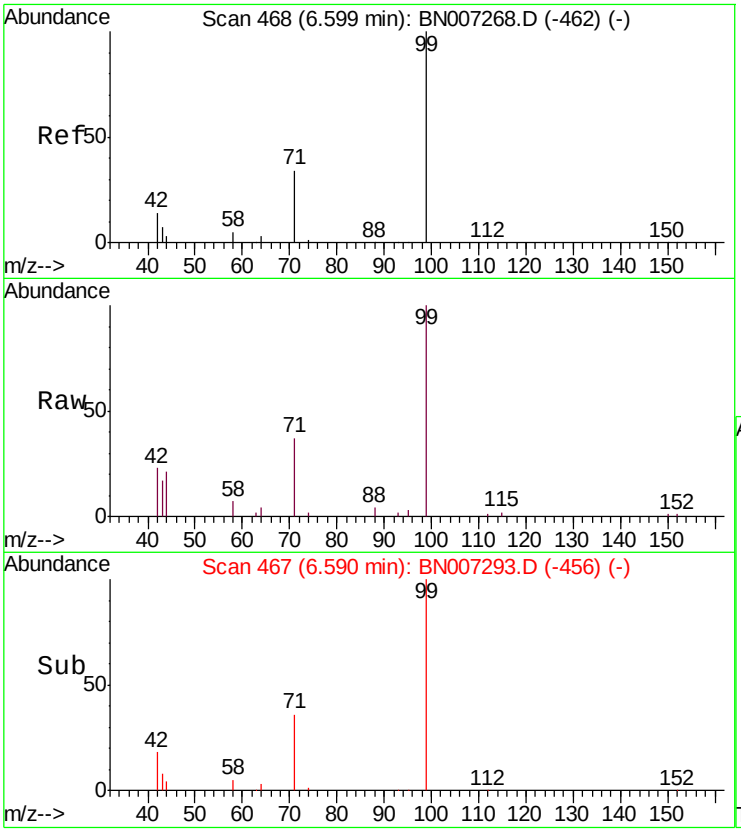


#4
2-Fluorophenol
Concen: 0.397 ng
RT: 5.04 min Scan# 274
Delta R.T. -0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:112 Resp: 7641

Ion	Ratio	Lower	Upper
112	100		
64	52.7	41.8	62.8
63	28.4	22.6	34.0



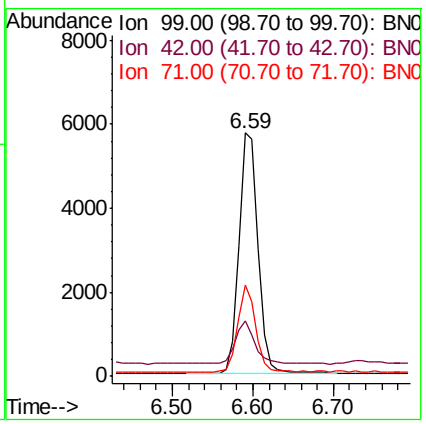


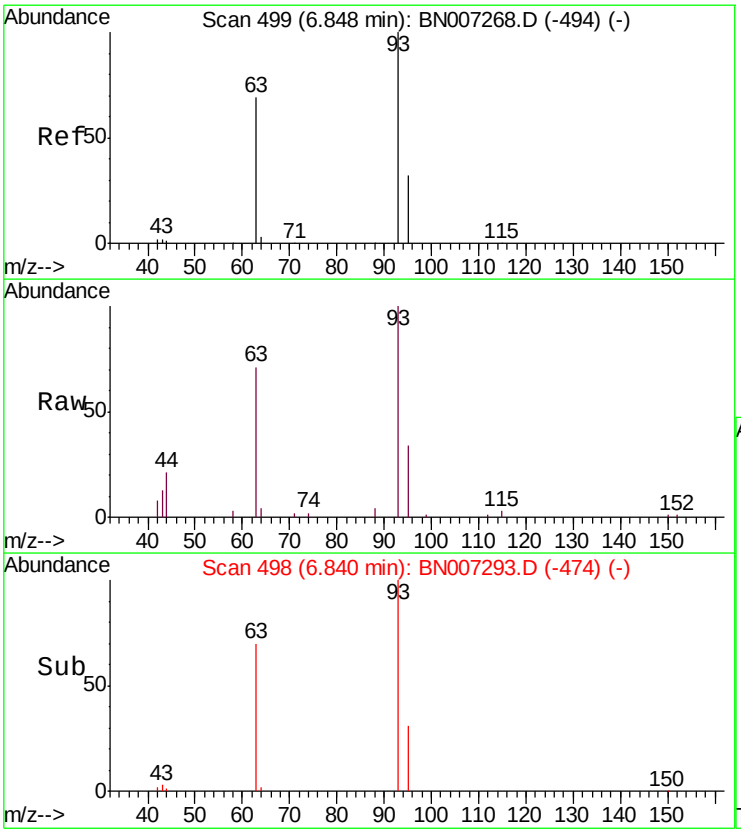
#5
Phenol-d6
Concen: 0.431 ng
RT: 6.59 min Scan# 467
Delta R.T. -0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 9523

Ion	Ratio	Lower	Upper
99	100		
42	18.9	14.3	21.5
71	33.9	27.3	40.9

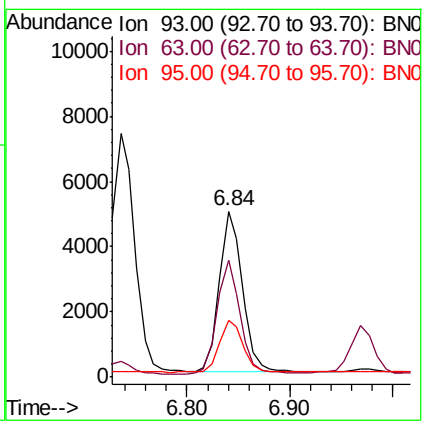


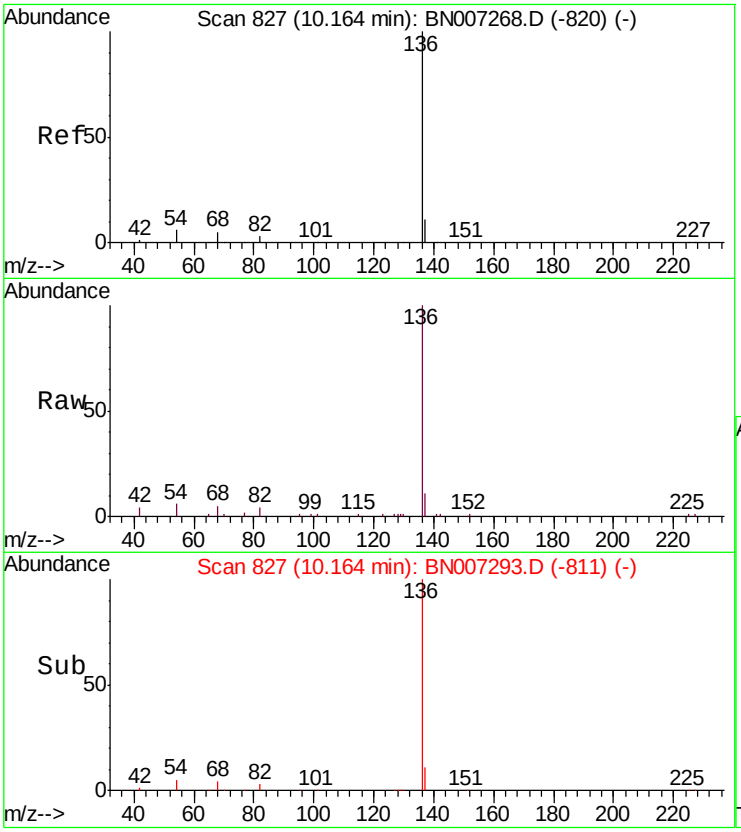


#6
bis(2-Chloroethyl)ether
Concen: 0.414 ng
RT: 6.84 min Scan# 498
Delta R.T. -0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion: 93 Resp: 7712

Ion	Ratio	Lower	Upper
93	100		
63	69.7	54.4	81.6
95	33.1	25.5	38.3



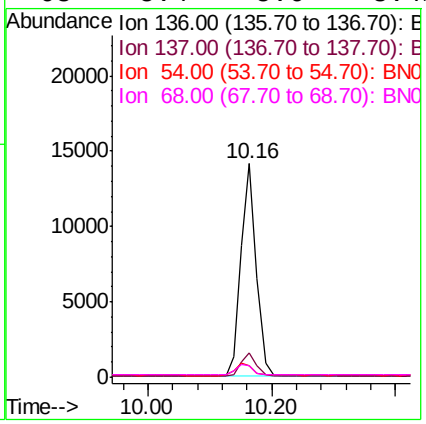


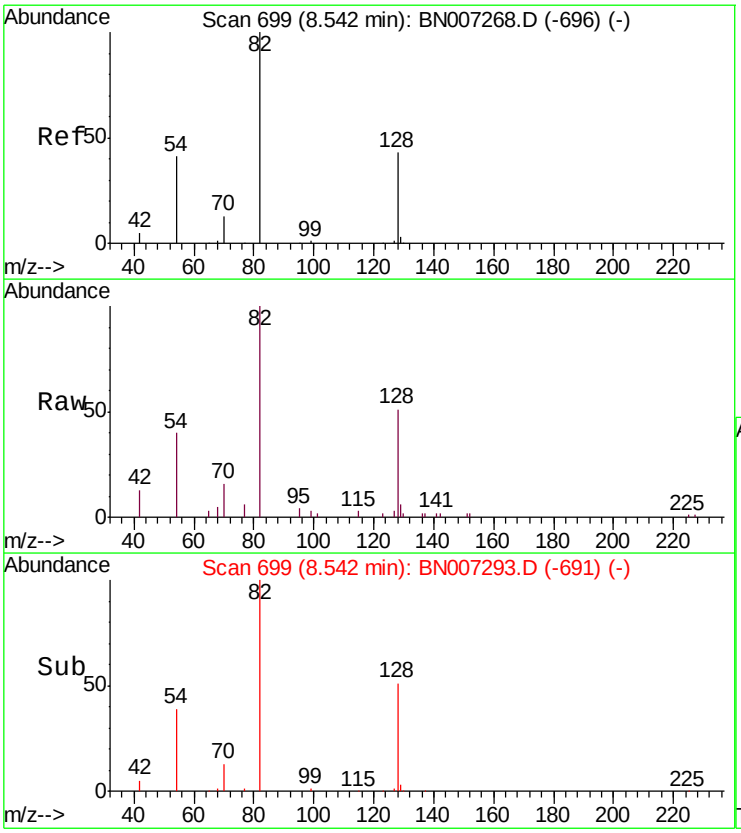
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 827
Delta R.T. -0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 24177

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	5.6	5.9	8.9#
68	5.4	5.6	8.4#

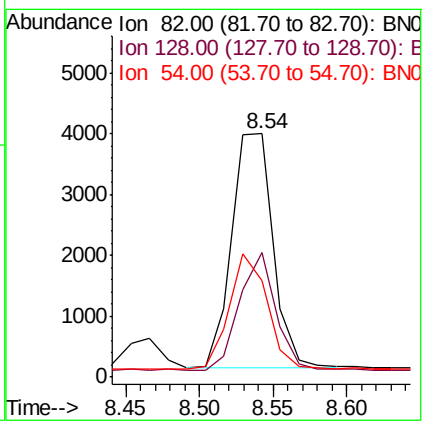


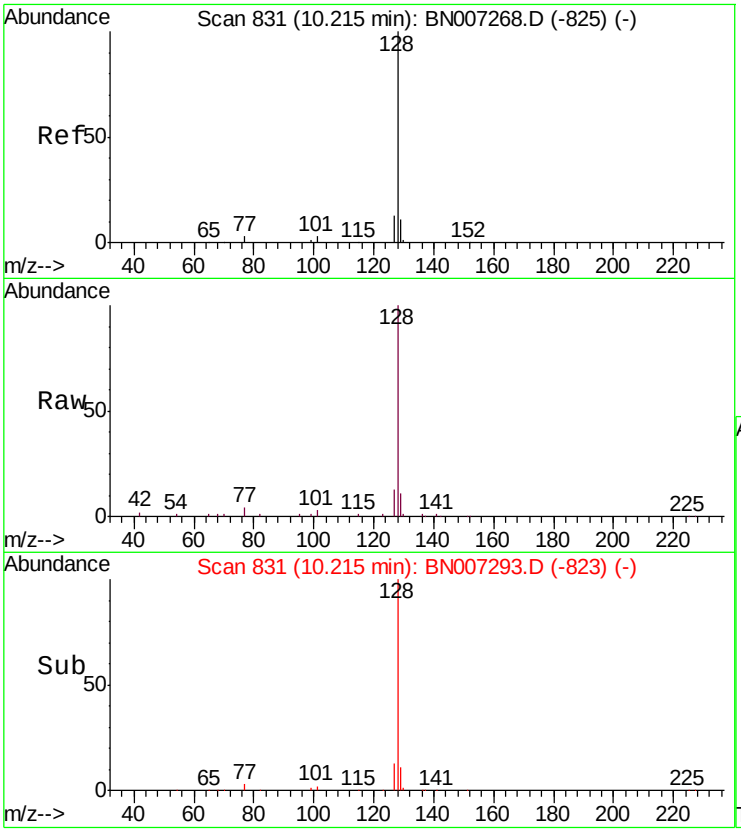


#8
Nitrobenzene-d5
Concen: 0.404 ng
RT: 8.54 min Scan# 699
Delta R.T. -0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion: 82 Resp: 7500

Ion	Ratio	Lower	Upper
82	100		
128	51.4	35.8	53.6
54	39.7	34.7	52.1



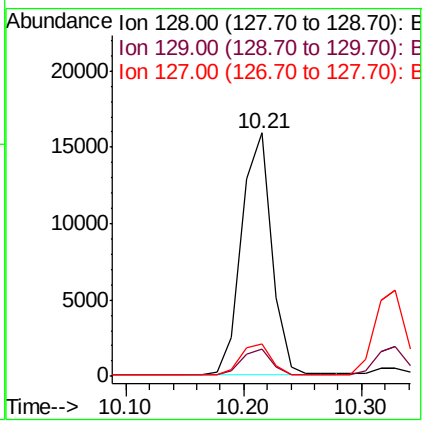


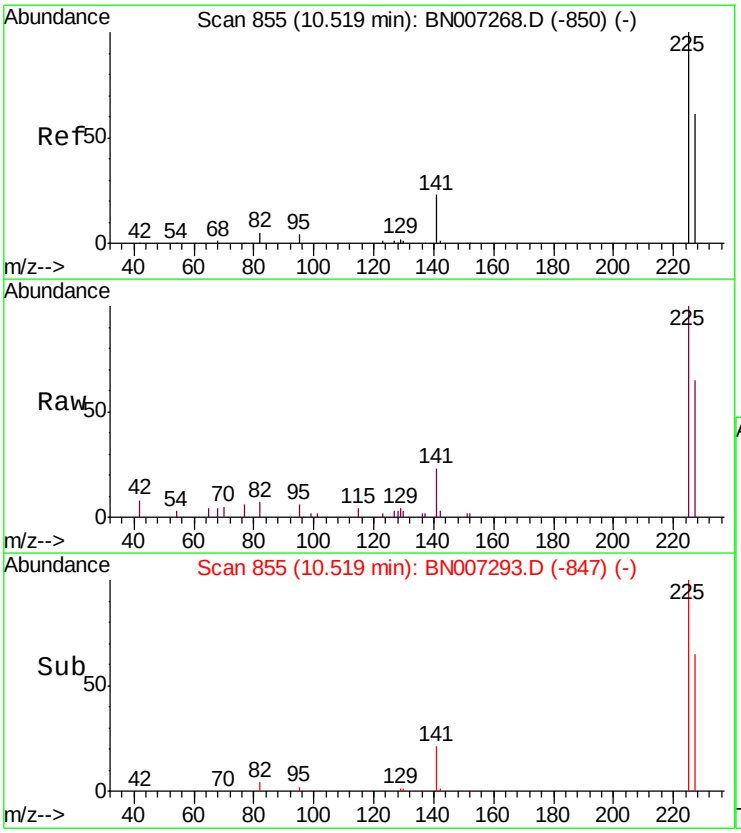
#9
Naphthalene
Concen: 0.410 ng
RT: 10.21 min Scan# 831
Delta R.T. -0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 28090

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.2	10.6	16.0

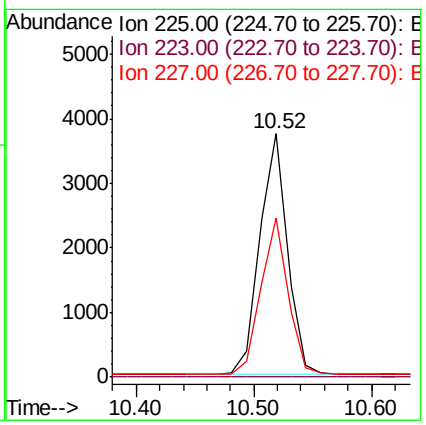


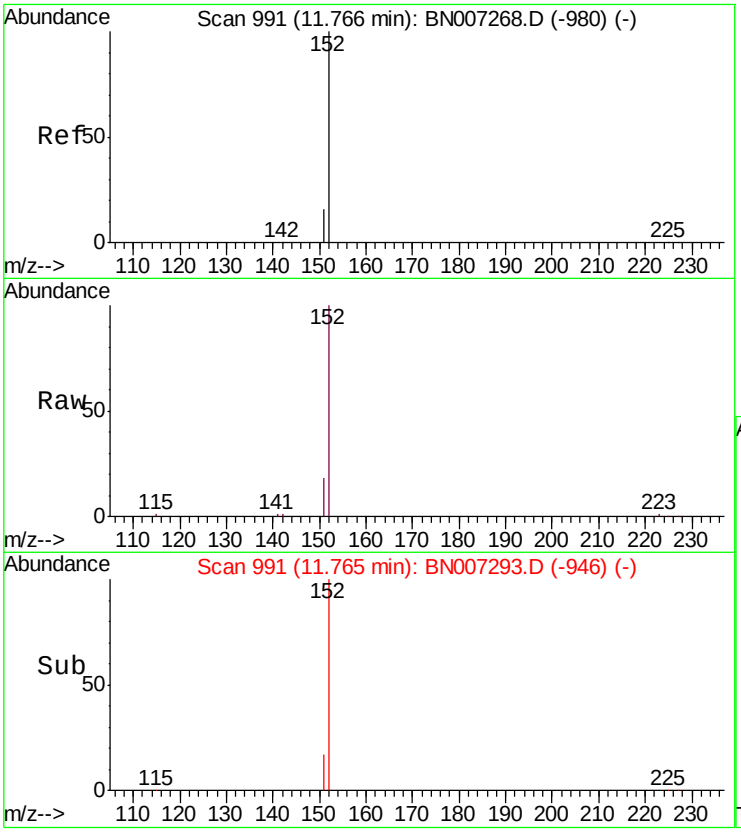


#10
Hexachlorobutadiene
Concen: 0.403 ng
RT: 10.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:225 Resp: 6089

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.7	50.2	75.2



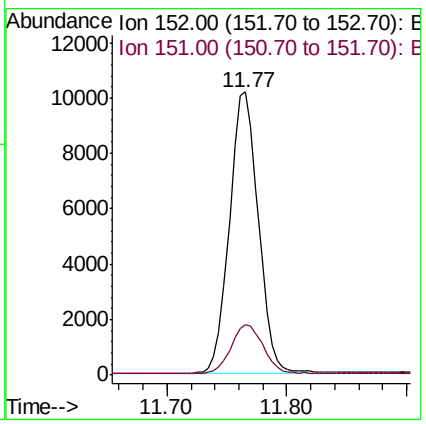


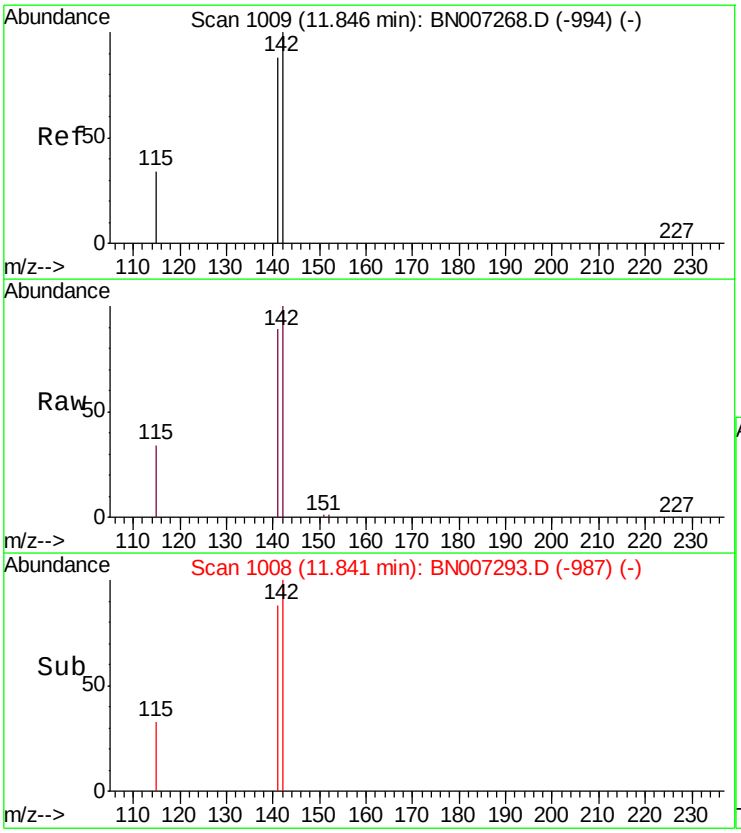
#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 11.77 min Scan# 991
Delta R.T. -0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 16950

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.2	22.8

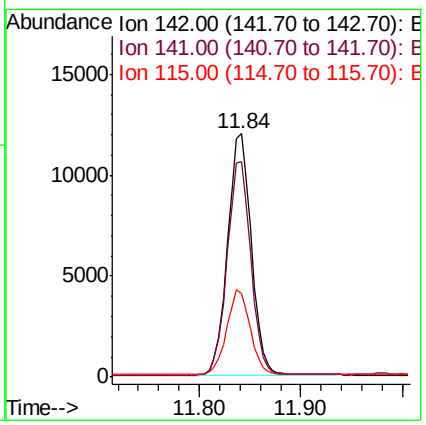


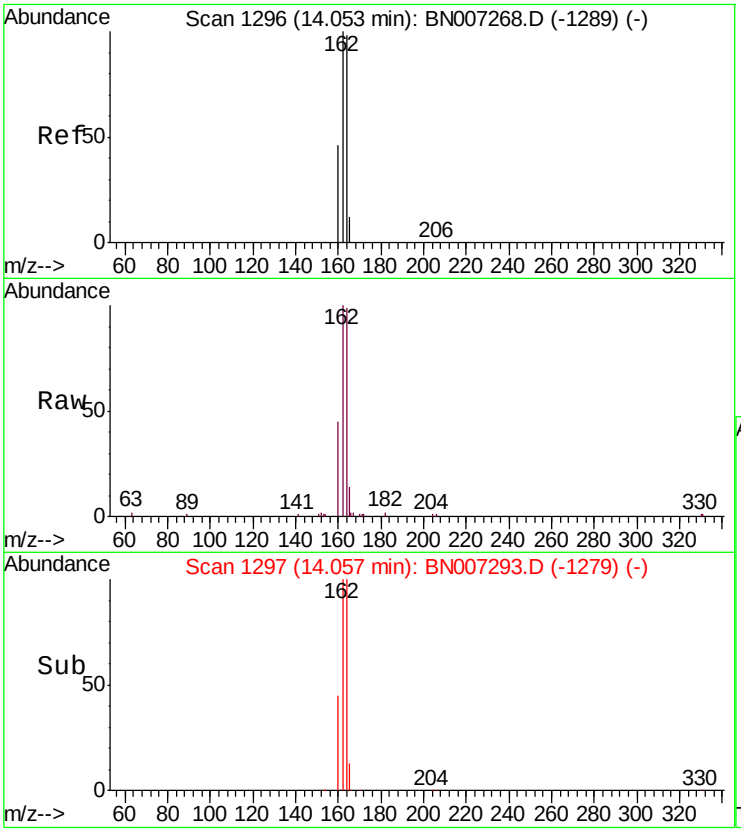


#12
2-Methylnaphthalene
Concen: 0.413 ng
RT: 11.84 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:142 Resp: 19579

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.7	106.1
115	34.2	28.1	42.1



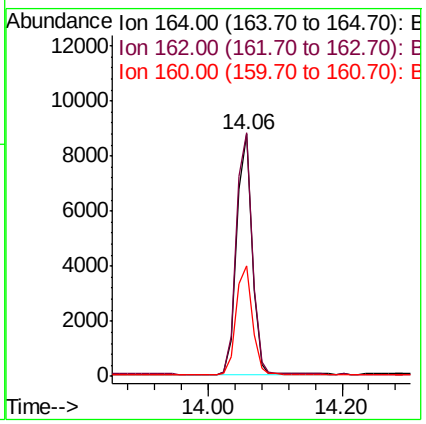


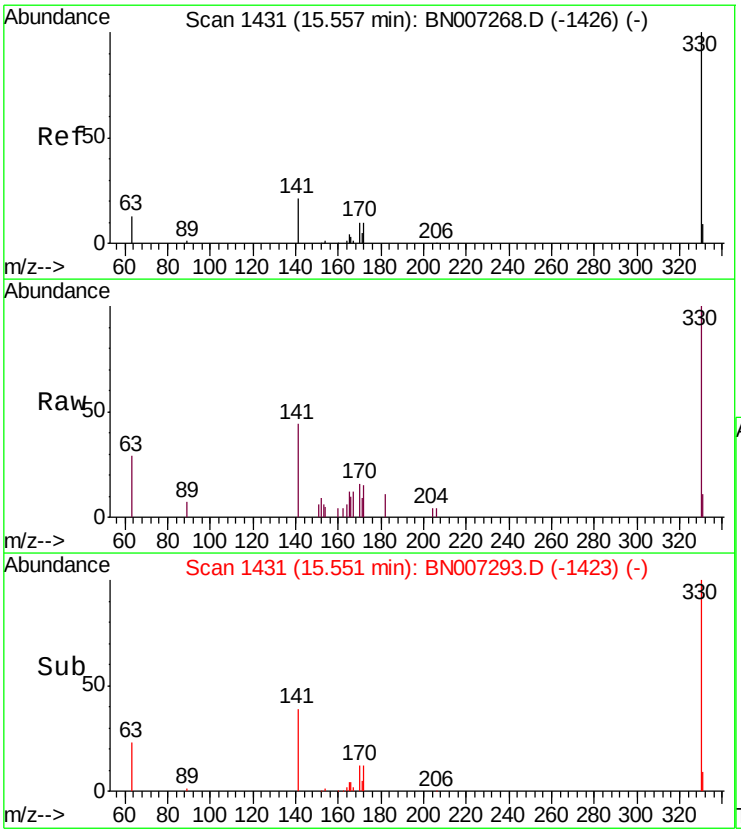
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 13676

Ion	Ratio	Lower	Upper
164	100		
162	100.7	82.0	123.0
160	45.5	38.2	57.4

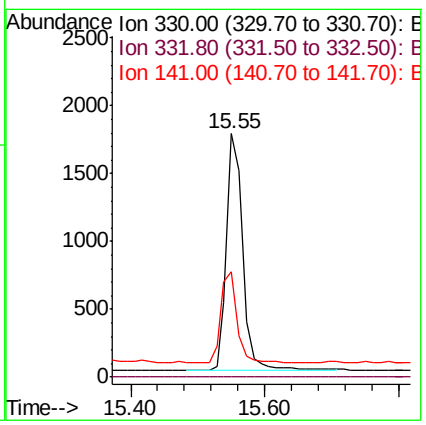


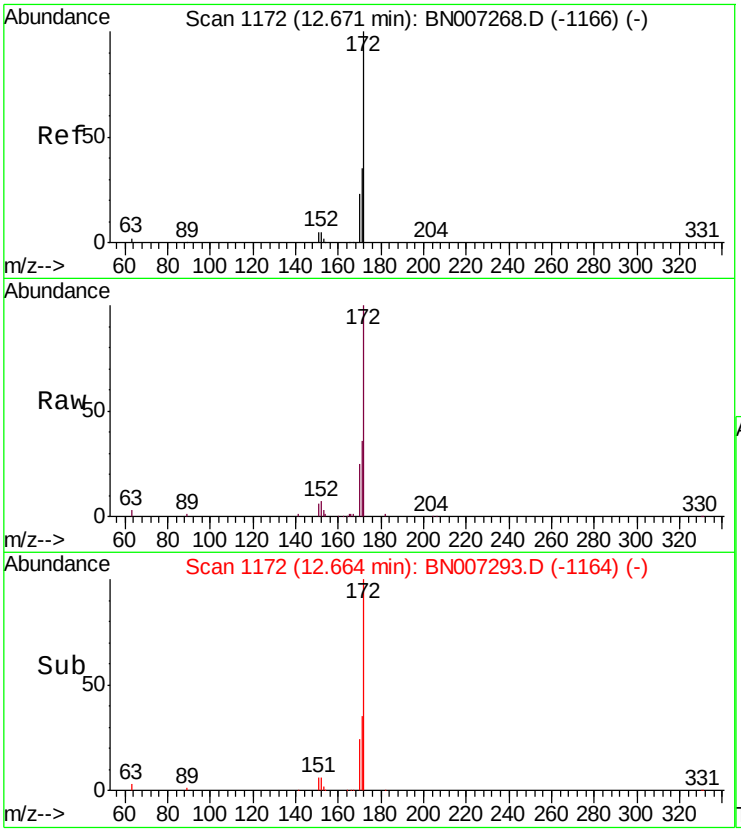


#14
2,4,6-Tribromophenol
Concen: 0.386 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:330 Resp: 2962

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.5	30.3	45.5



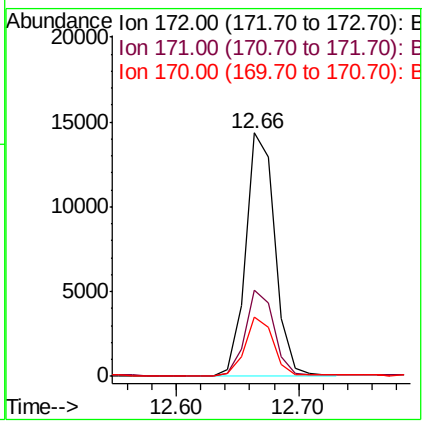


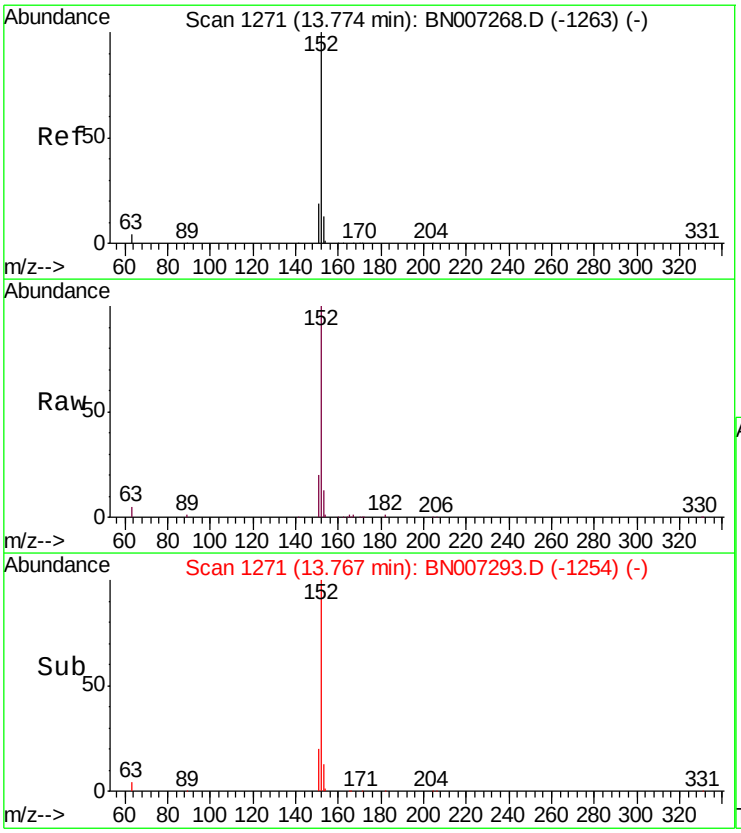
#15
2-Fluorobiphenyl
Concen: 0.407 ng
RT: 12.66 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 23891

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	43.0
170	24.5	18.7	28.1

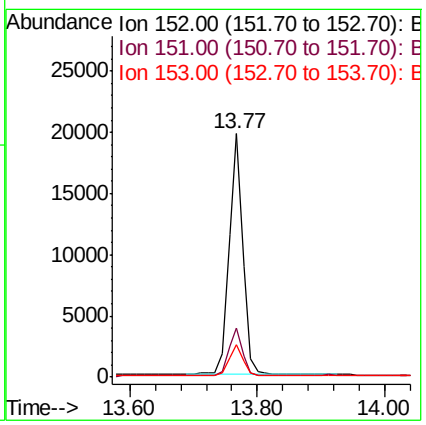


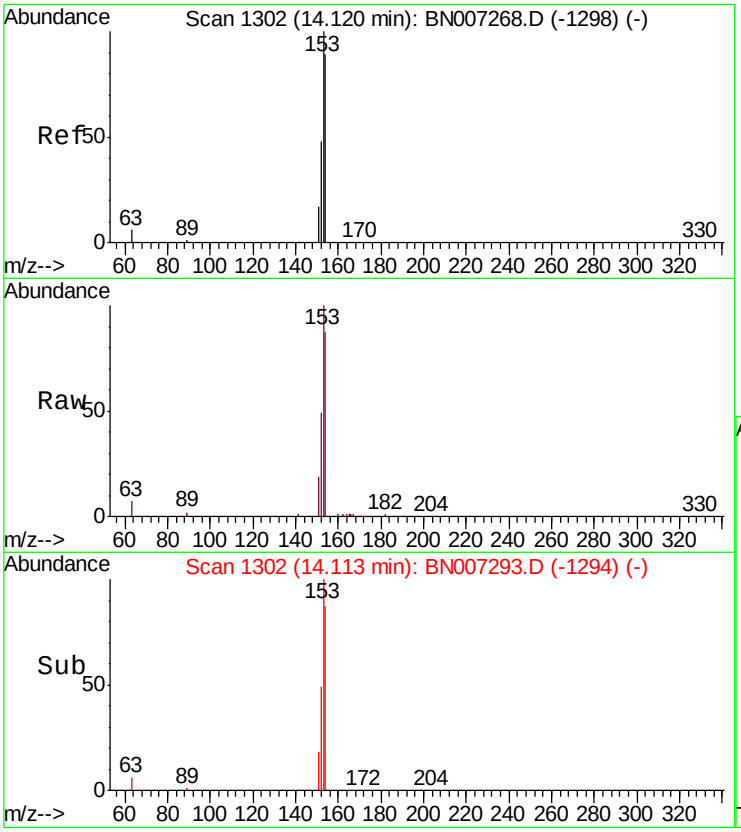


#16
Acenaphthylene
Concen: 0.410 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:152 Resp: 29744

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.4	23.2
153	12.9	10.1	15.1



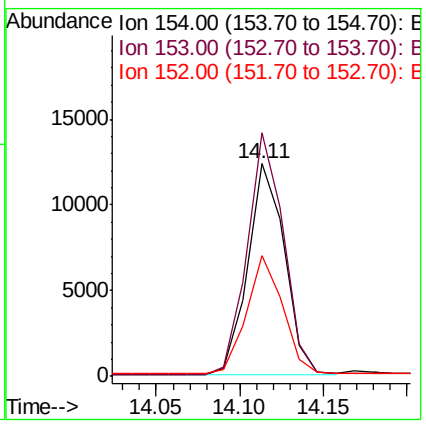


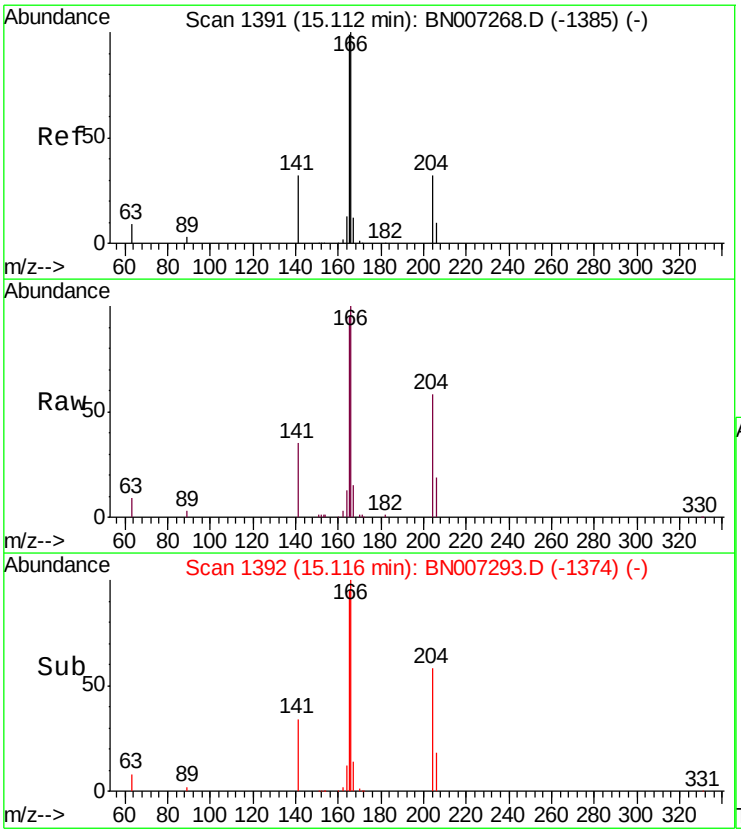
#17
Acenaphthene
Concen: 0.406 ng
RT: 14.11 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 18758

Ion	Ratio	Lower	Upper
154	100		
153	113.8	89.9	134.9
152	56.0	43.9	65.9

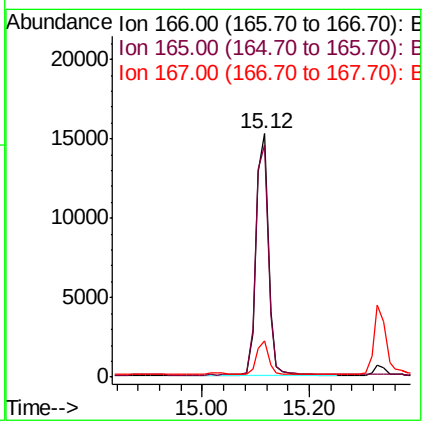


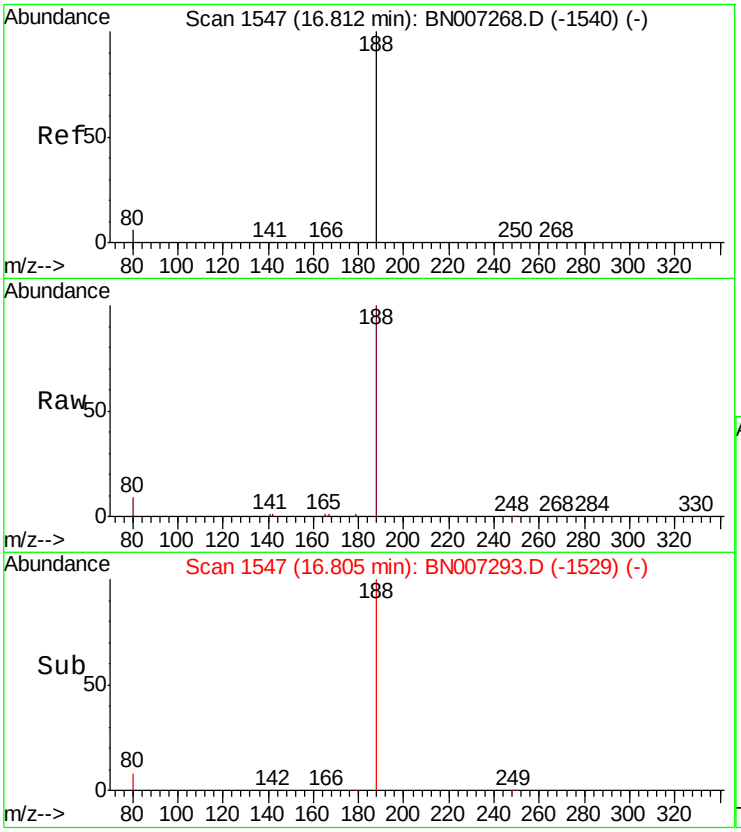


#18
Fluorene
Concen: 0.407 ng
RT: 15.12 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:166 Resp: 24600

Ion	Ratio	Lower	Upper
166	100		
165	96.2	78.3	117.5
167	13.3	11.1	16.7



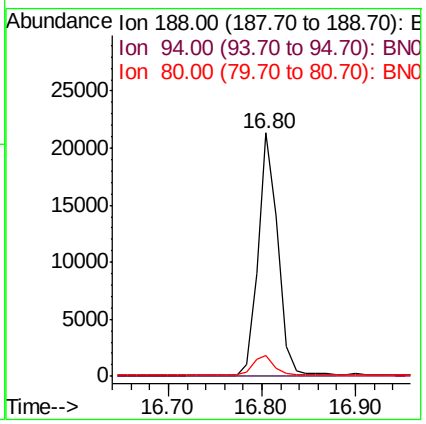


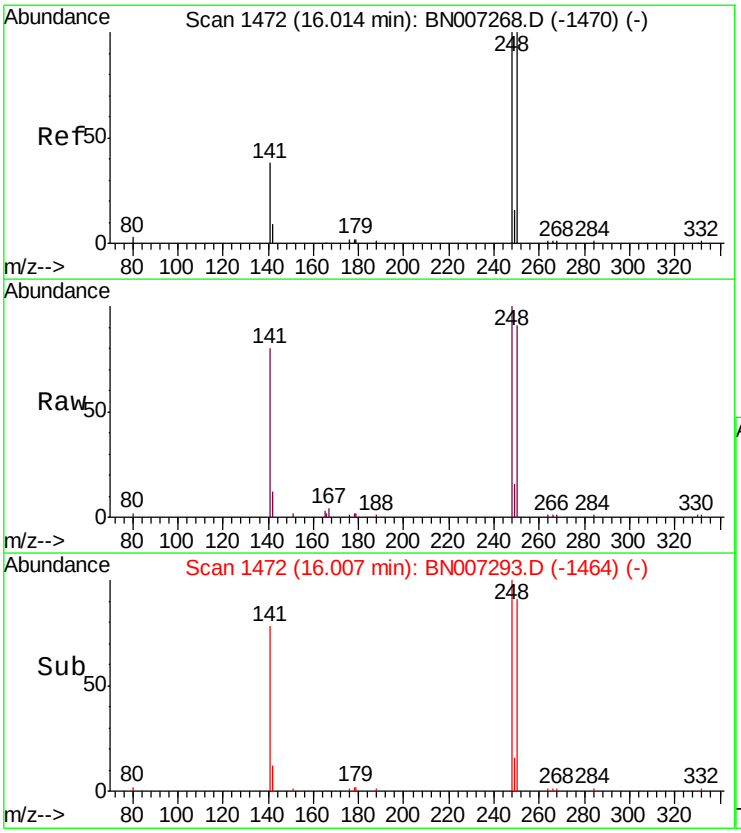
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 31130

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.8	5.2	7.8#

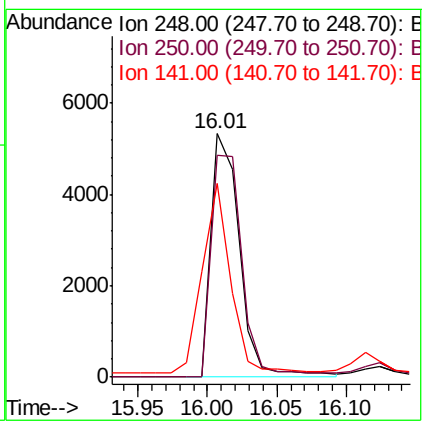


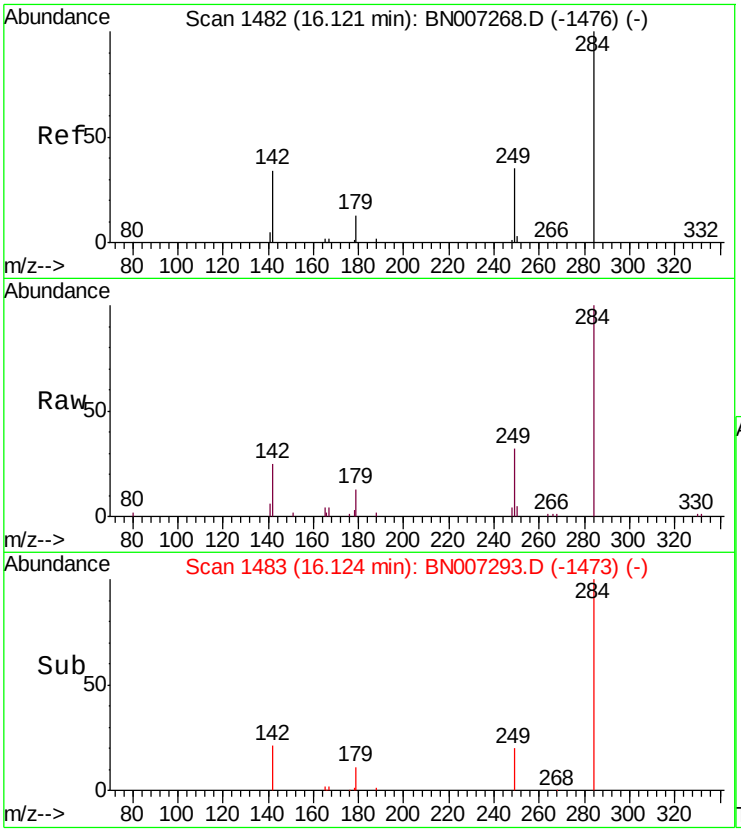


#20
4-Bromophenyl-phenylether
Concen: 0.421 ng
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:248 Resp: 7500

Ion	Ratio	Lower	Upper
248	100		
250	90.9	79.6	119.4
141	79.6	45.1	67.7#



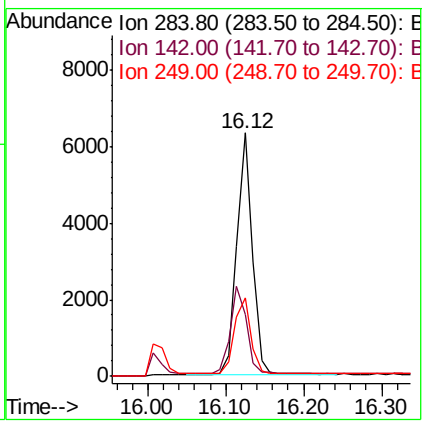


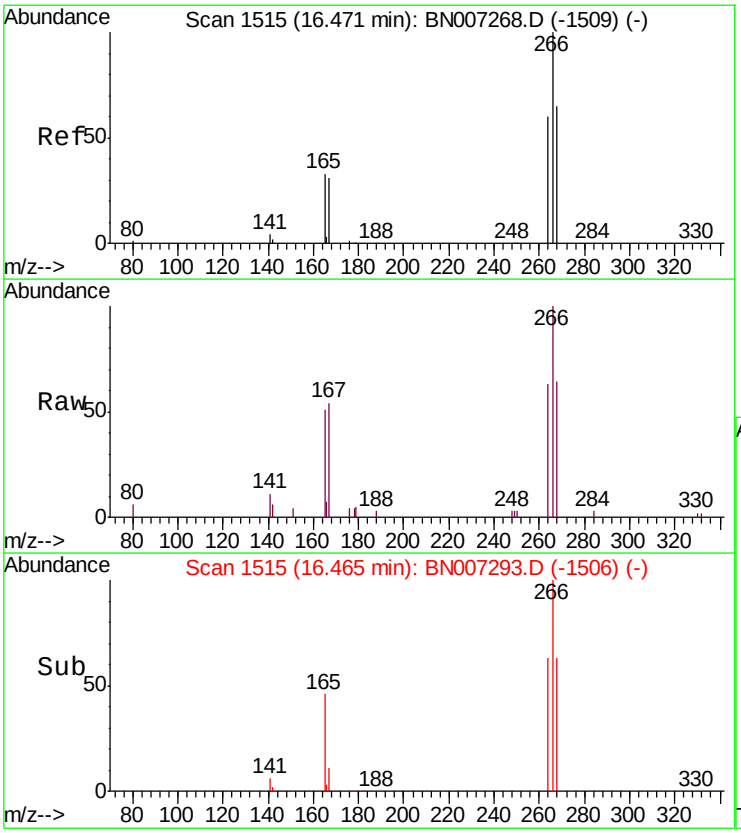
#21
Hexachlorobenzene
Concen: 0.420 ng
RT: 16.12 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 8662

Ion	Ratio	Lower	Upper
284	100		
142	36.9	29.5	44.3
249	33.3	26.2	39.4

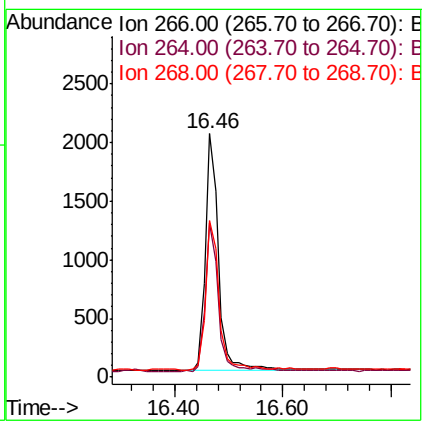


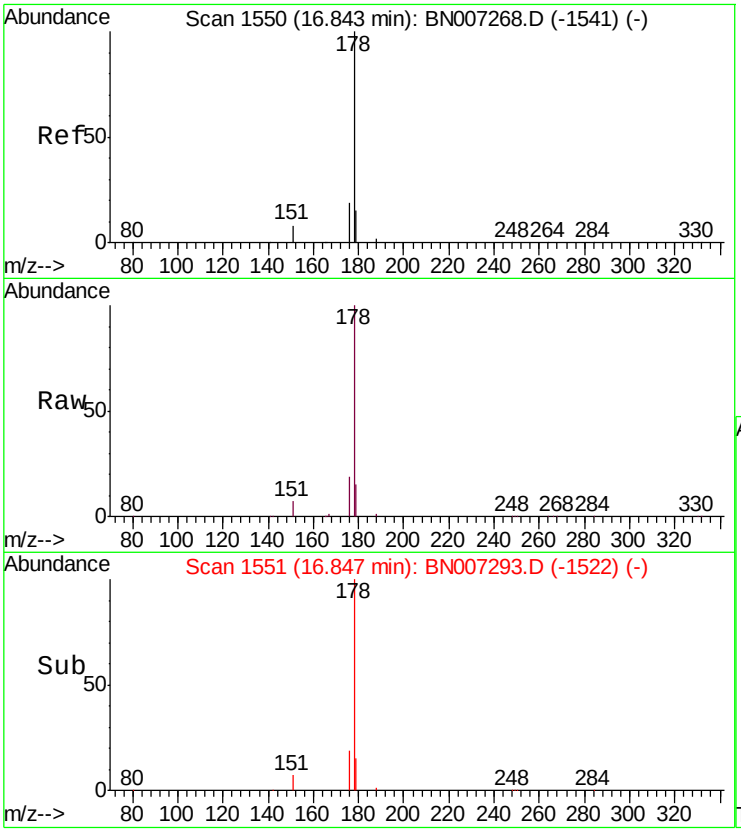


#22
Pentachlorophenol
Concen: 0.422 ng
RT: 16.46 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:266 Resp: 3495

Ion	Ratio	Lower	Upper
266	100		
264	63.4	48.7	73.1
268	64.3	53.5	80.3



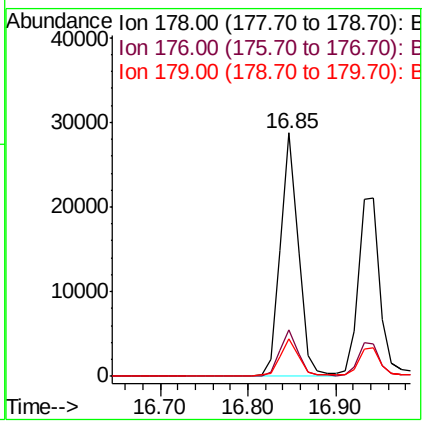


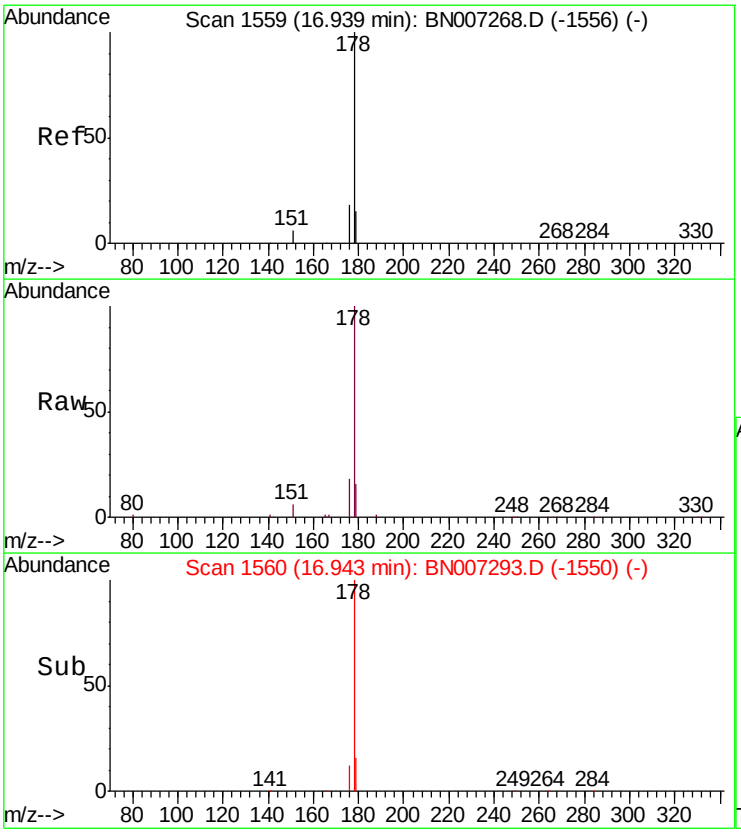
#23
Phenanthrene
Concen: 0.414 ng
RT: 16.85 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 40408

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.4	12.3	18.5

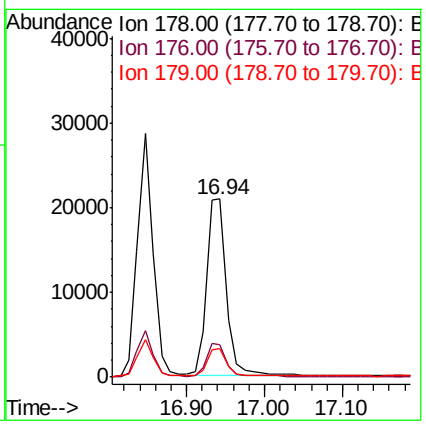


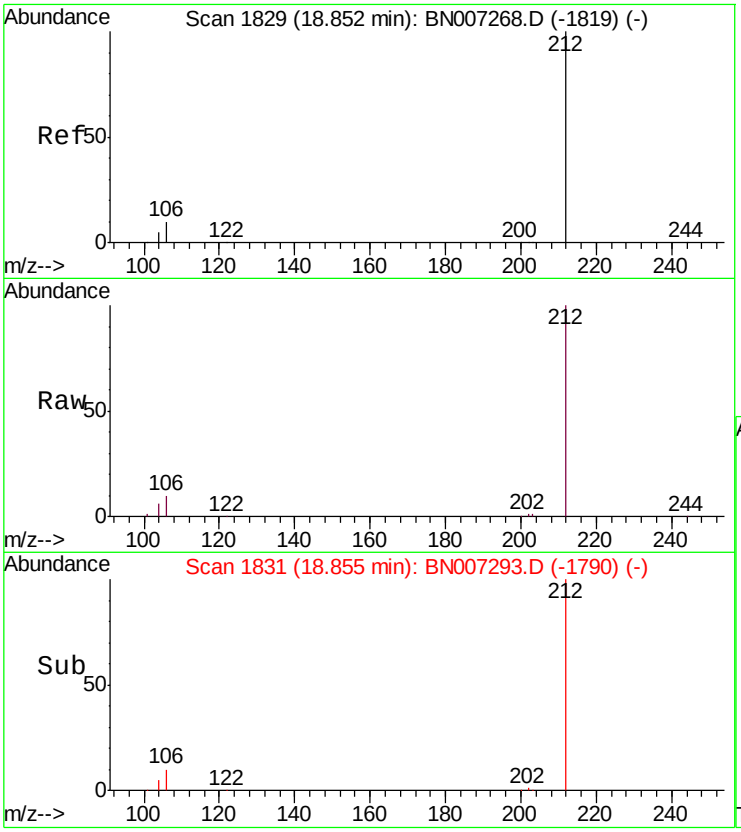


#24
Anthracene
Concen: 0.413 ng
RT: 16.94 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:178 Resp: 36255

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.3	21.5
179	15.4	12.3	18.5



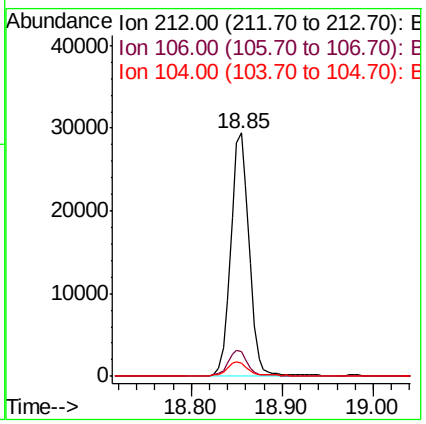


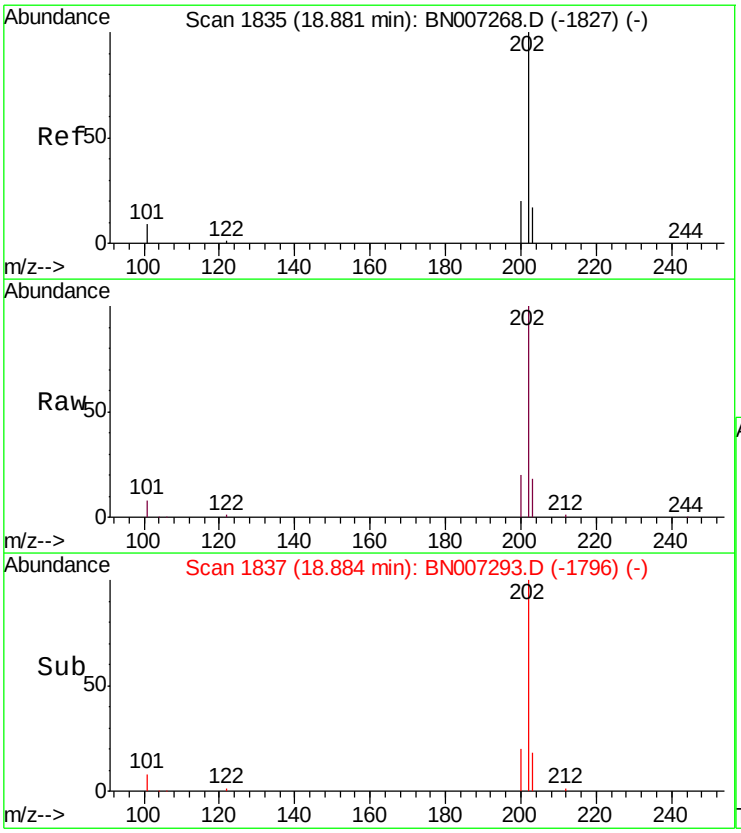
#25
Fluoranthene-d10
Concen: 0.415 ng
RT: 18.85 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 41004

Ion	Ratio	Lower	Upper
212	100		
106	10.5	8.2	12.4
104	5.8	4.7	7.1

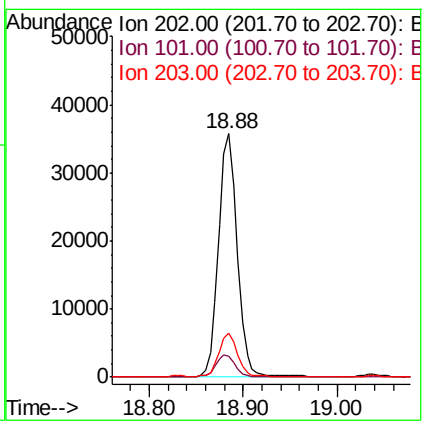


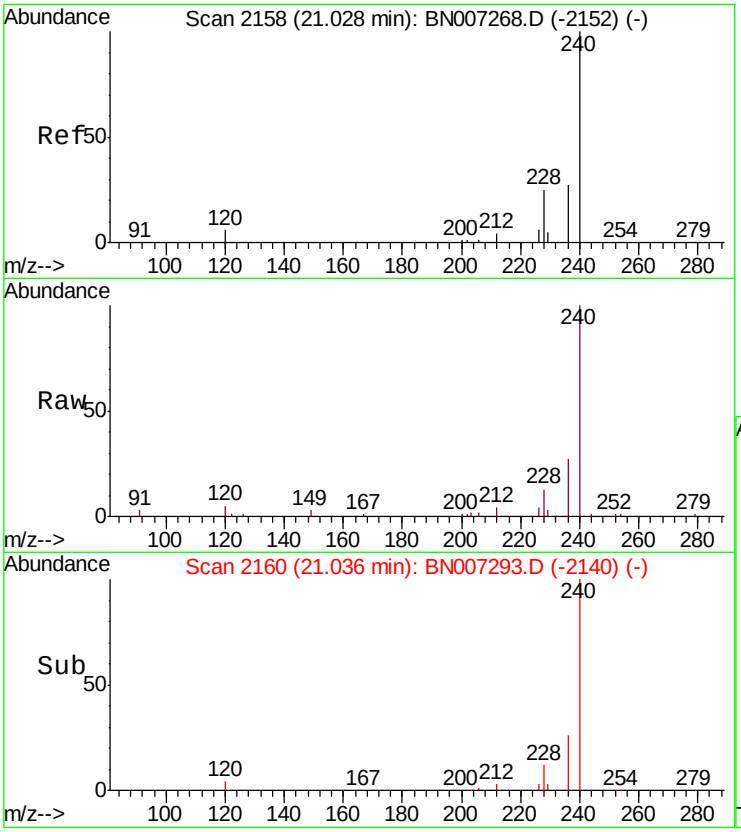


#26
Fluoranthene
Concen: 0.416 ng
RT: 18.88 min Scan# 1837
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:202 Resp: 49117

Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.2	10.8
203	17.2	13.8	20.6



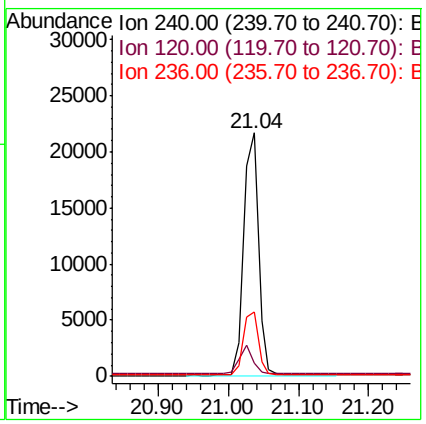


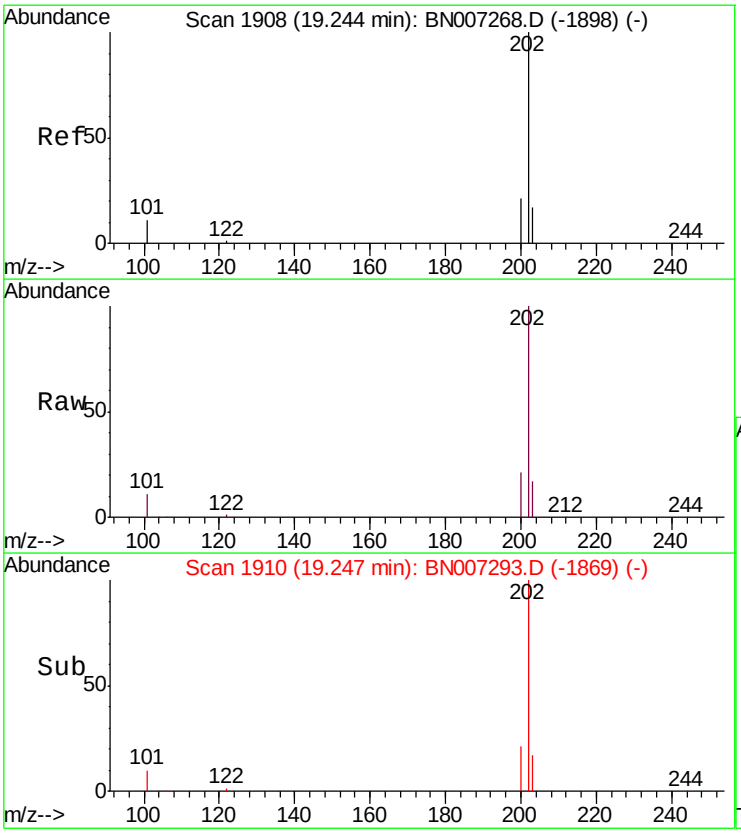
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.04 min Scan# 2160
Delta R.T. 0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 31488

Ion	Ratio	Lower	Upper
240	100		
120	5.3	5.6	8.4#
236	26.7	21.6	32.4

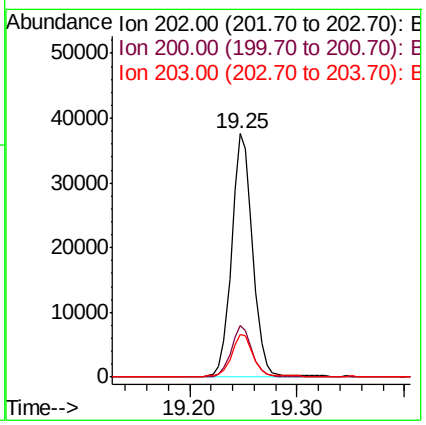


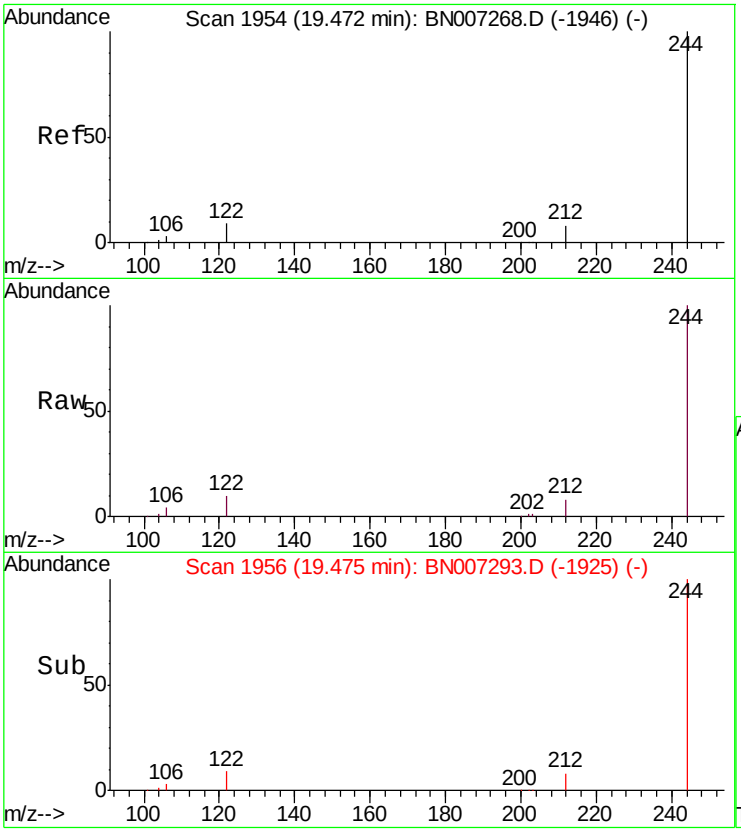


#28
Pyrene
Concen: 0.431 ng
RT: 19.25 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:202 Resp: 50750

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	13.9	20.9



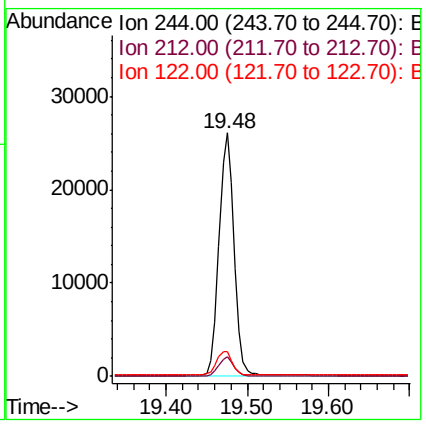


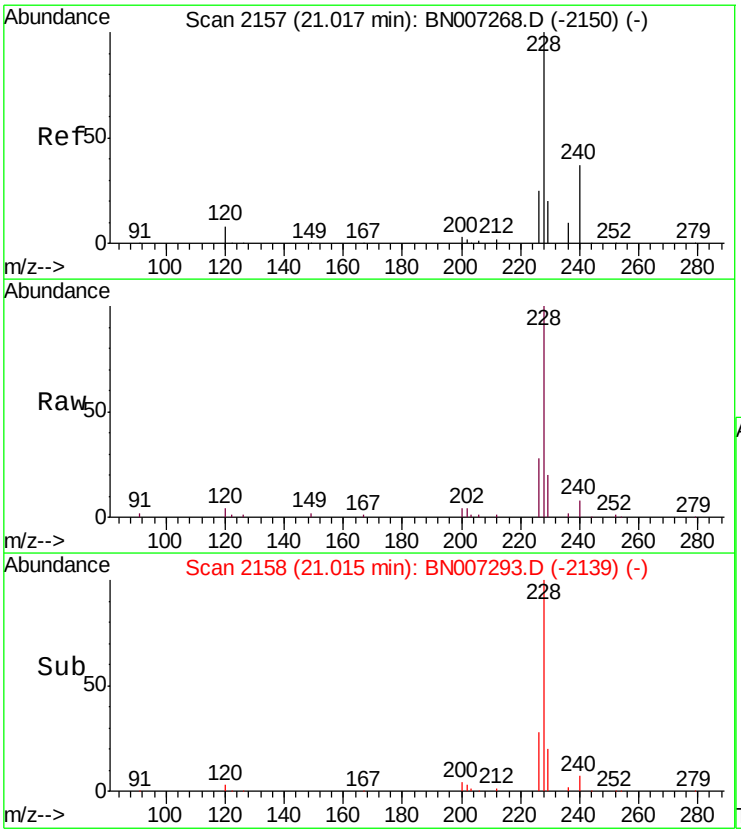
#29
Terphenyl-d14
Concen: 0.420 ng
RT: 19.48 min Scan# 1956
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 33045

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.5	9.7
122	10.0	7.9	11.9

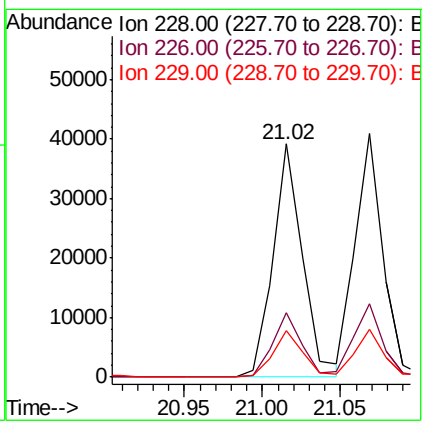


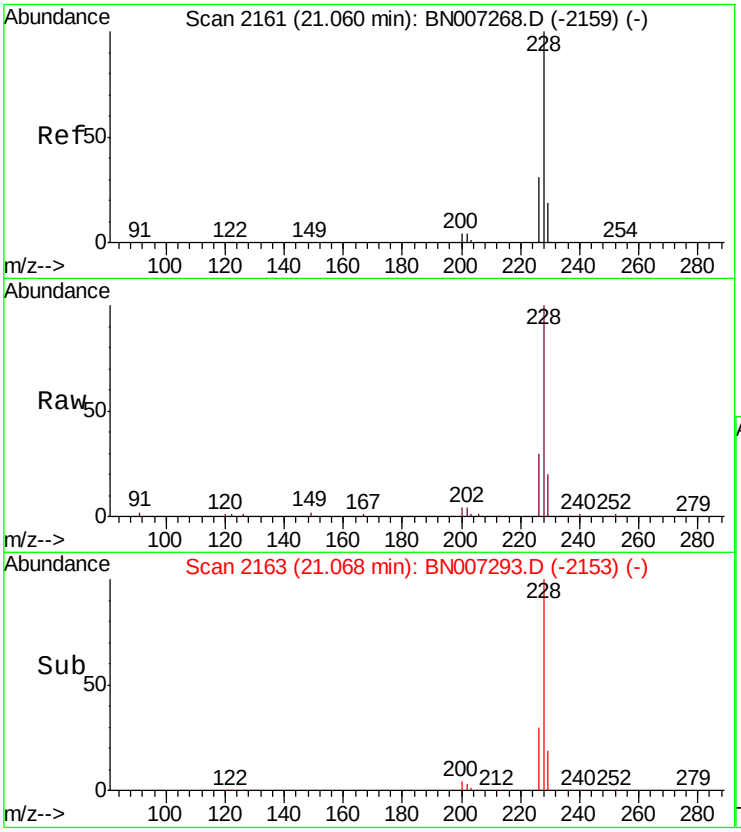


#30
Benzo(a)anthracene
Concen: 0.435 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:228 Resp: 50887

Ion	Ratio	Lower	Upper
228	100		
226	27.8	20.6	30.8
229	20.0	16.9	25.3



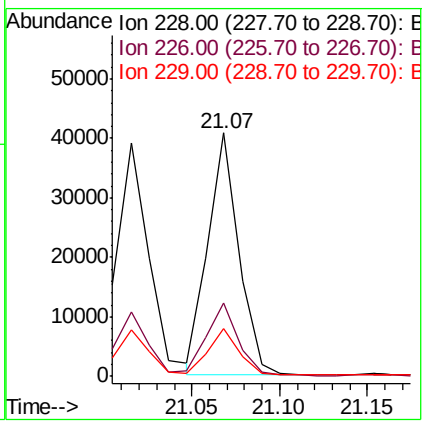


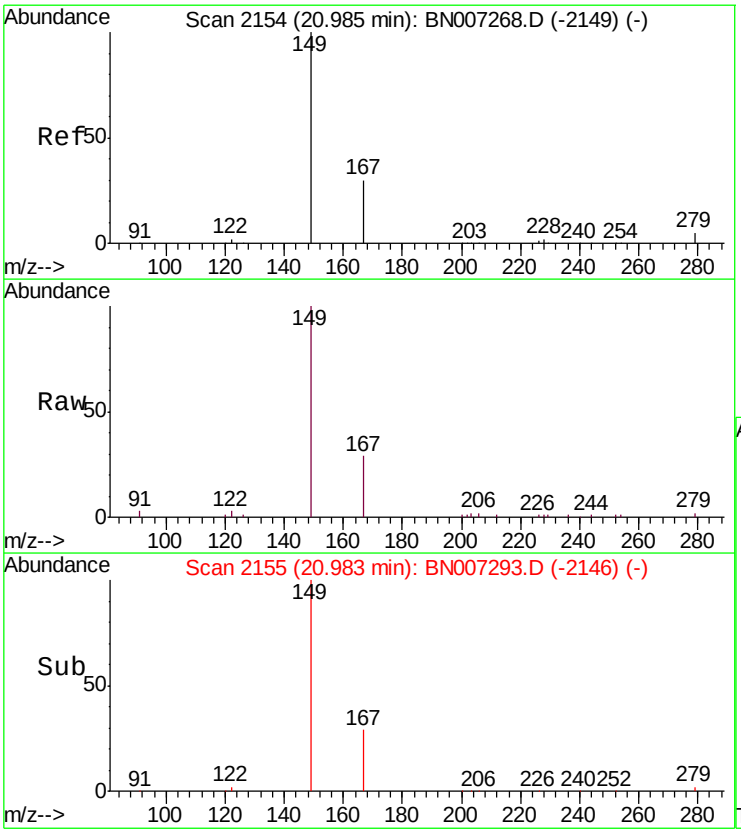
#31
Chrysene
Concen: 0.417 ng
RT: 21.07 min Scan# 2163
Delta R.T. 0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 49853

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.6	36.8
229	19.6	15.6	23.4

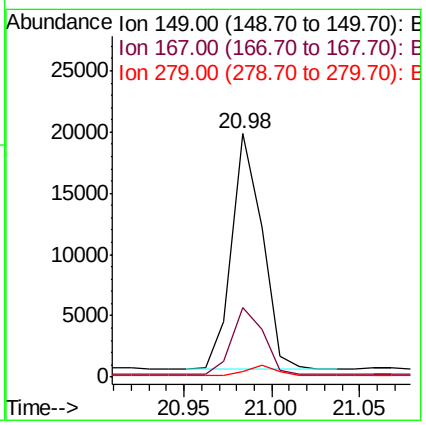


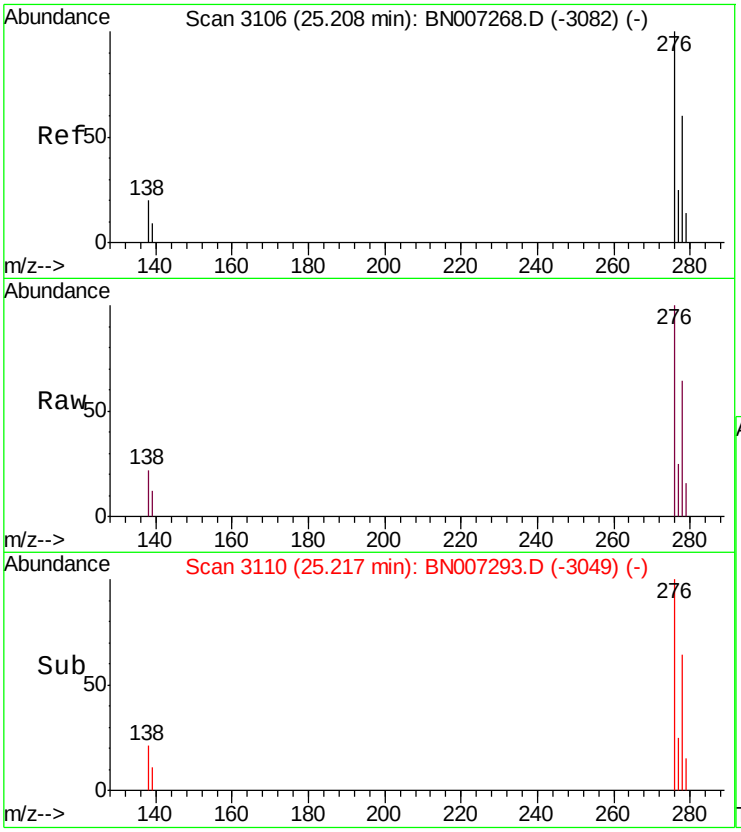


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.492 ng
RT: 20.98 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:149 Resp: 23007

Ion	Ratio	Lower	Upper
149	100		
167	29.6	23.8	35.6
279	4.5	3.8	5.8



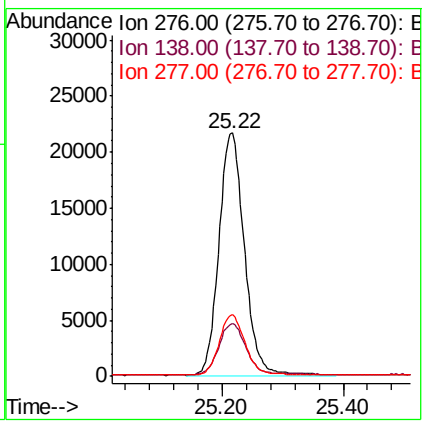


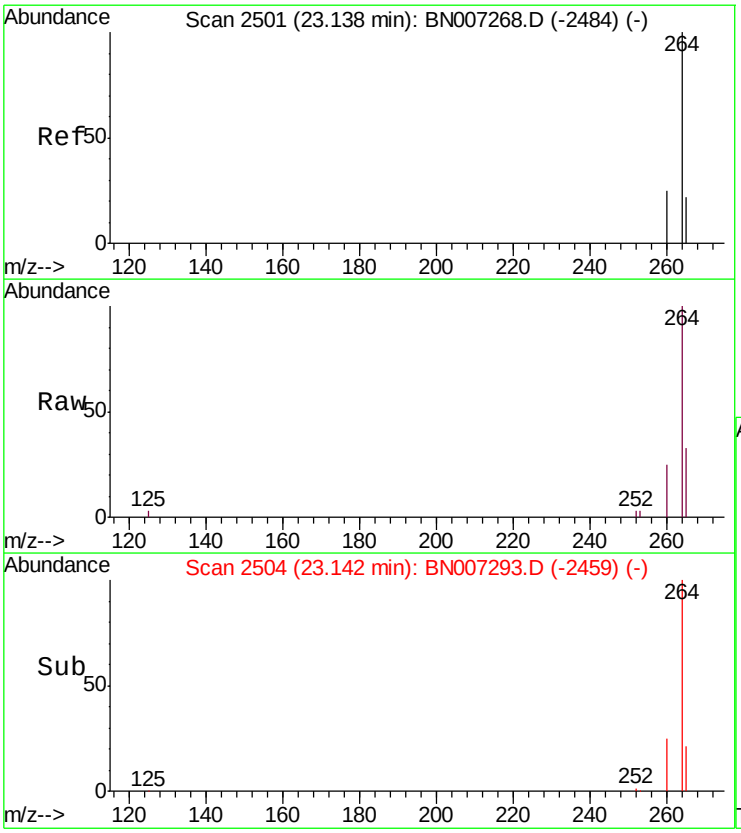
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.438 ng
RT: 25.22 min Scan# 3110
Delta R.T. 0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 63038

Ion	Ratio	Lower	Upper
276	100		
138	22.0	17.1	25.7
277	24.8	20.1	30.1

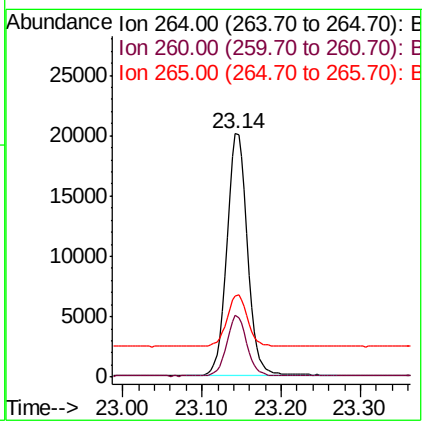


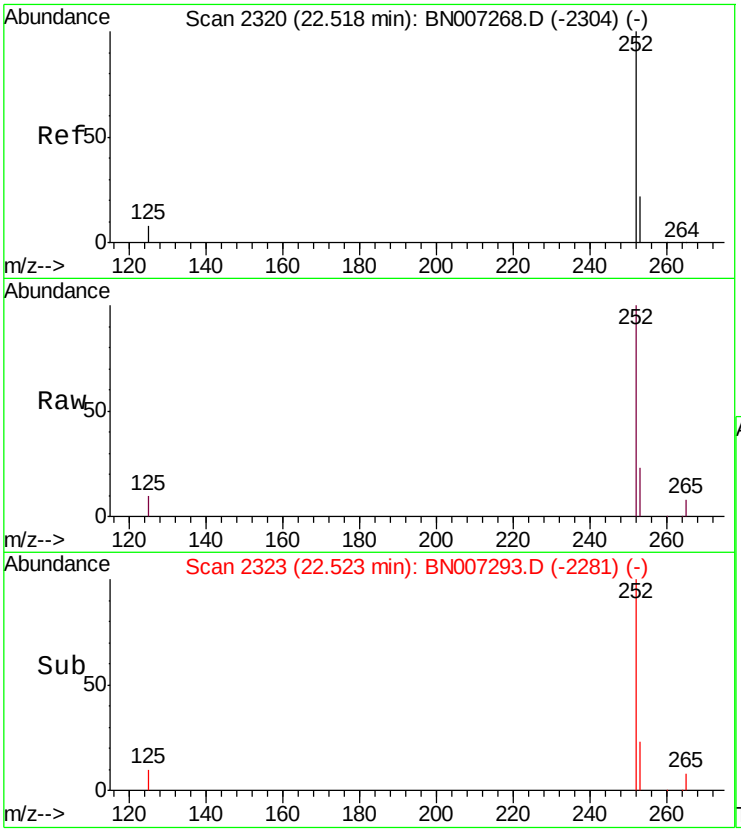


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.14 min Scan# 2504
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:264 Resp: 36078

Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.1	30.1
265	33.4	29.0	43.6



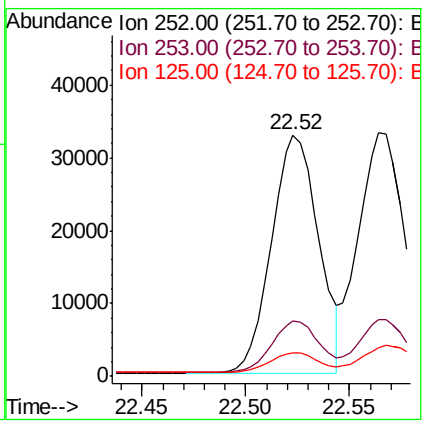


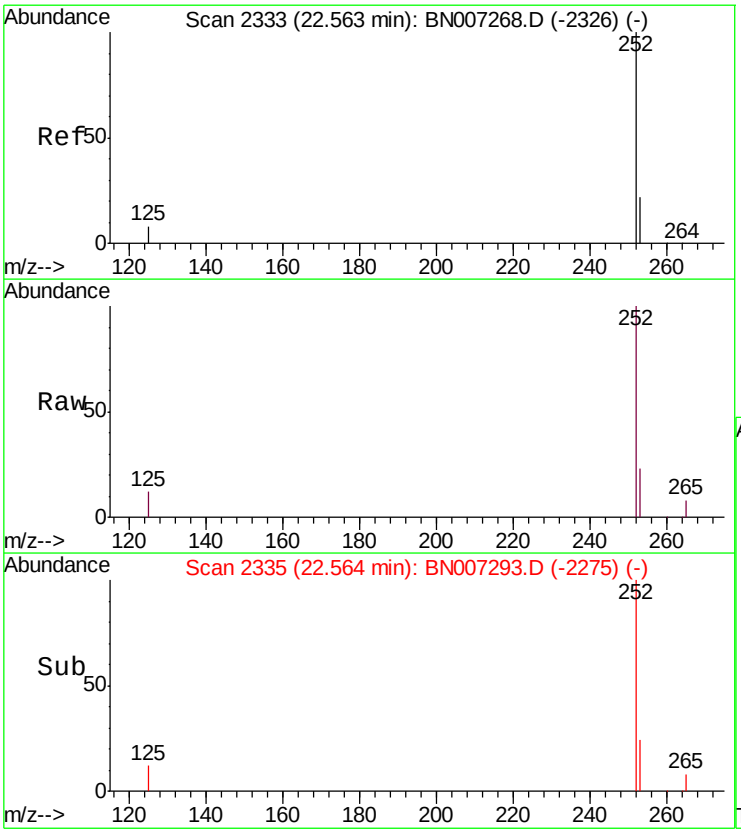
#35
Benzo(b)fluoranthene
Concen: 0.383 ng
RT: 22.52 min Scan# 2323
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 51502

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	9.9	7.8	11.6

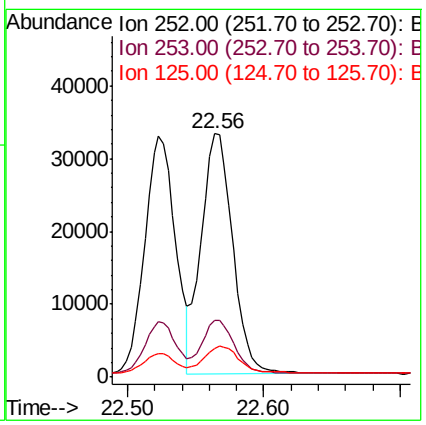


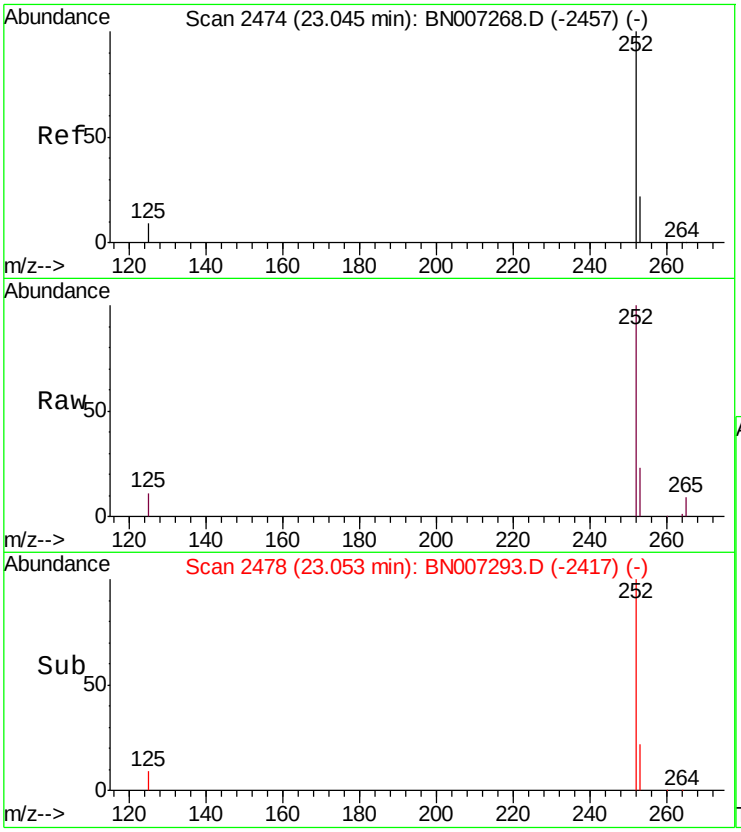


#36
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 22.56 min Scan# 2335
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:252 Resp: 52927

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	11.7	8.0	12.0



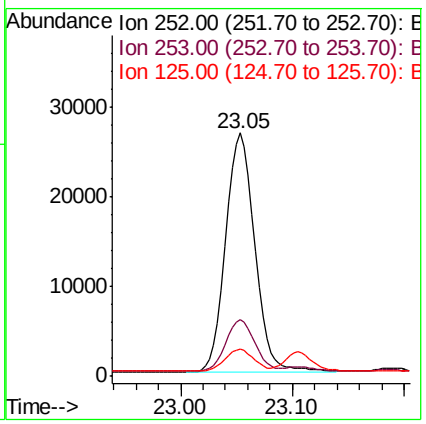


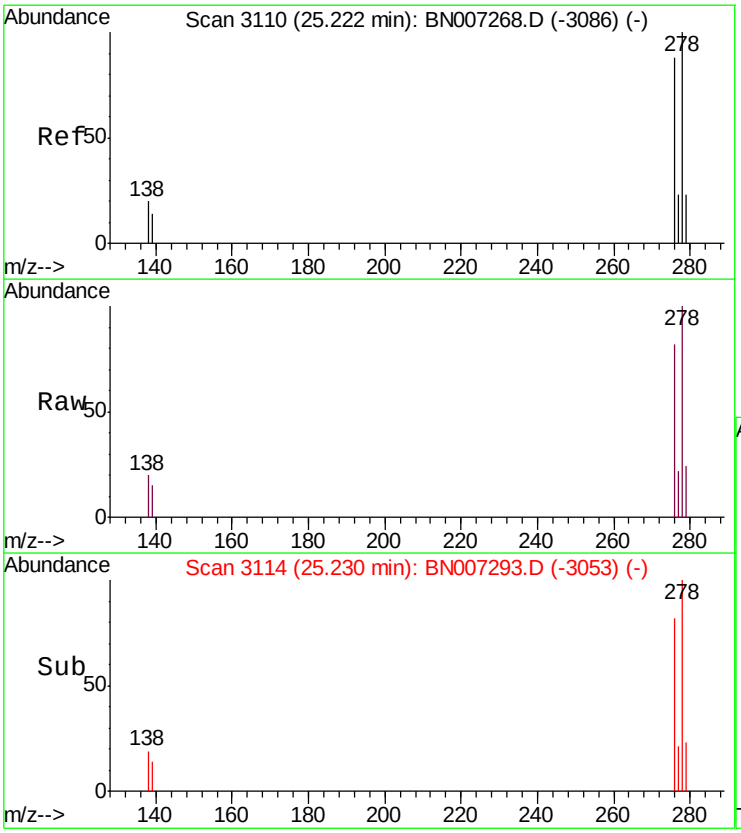
#37
Benzo(a)pyrene
Concen: 0.402 ng
RT: 23.05 min Scan# 2478
Delta R.T. 0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 48770

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.7	28.1
125	11.1	8.7	13.1

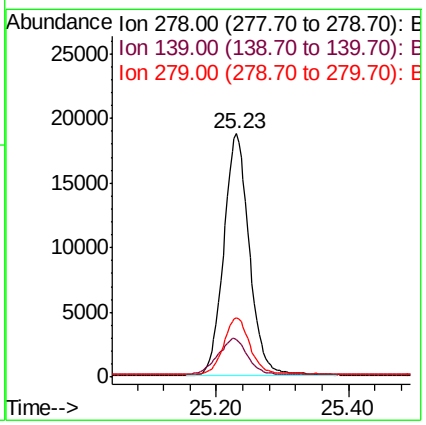


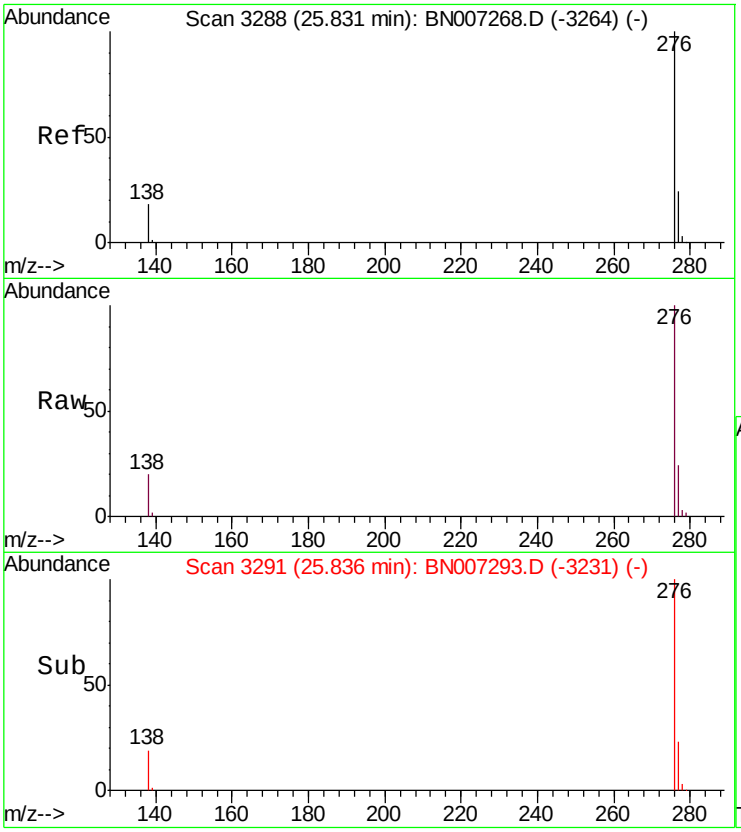


#38
Dibenzo(a,h)anthracene
Concen: 0.399 ng
RT: 25.23 min Scan# 3114
Delta R.T. 0.01 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Tgt Ion:278 Resp: 50796

Ion	Ratio	Lower	Upper
278	100		
139	15.4	11.8	17.8
279	24.3	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.389 ng
RT: 25.84 min Scan# 3291
Delta R.T. 0.00 min
Lab File: BN007293.D
Acq: 21 Aug 2019 15:09

Instrument :
BNA_N
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 50096

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.5	29.3
138	19.7	15.3	22.9