Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092019\
Data File : BN007786.D
Acq On : 21 Sep 2019 05:29
Operator : HP/JU
Sample : K4974-04MSD
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : RE132D2-20190916MSD

Quant Time: Sep 21 06:24:08 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	6855	0.40	ng		0.00
7) Naphthalene-d8	10.46	136	26219	0.40	ng		-0.01
13) Acenaphthene-d10	14.31	164	15105	0.40	ng		-0.01
19) Phenanthrene-d10	17.06	188	33058	0.40	ng		-0.01
27) Chrysene-d12	21.25	240	35796	0.40	ng		-0.02
34) Perylene-d12	23.46	264	36551	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	2212	0.09	ng		0.00
5) Phenol-d6	6.86	99	1804	0.06	ng		0.00
8) Nitrobenzene-d5	8.83	82	6356	0.28	ng		0.00
11) 2-Methylnaphthalene-d10	12.05	152	15614	0.35	ng		0.00
14) 2,4,6-Tribromophenol	15.81	330	1558	0.19	ng		-0.01
15) 2-Fluorobiphenyl	12.93	172	22804	0.37	ng		-0.01
25) Fluoranthene-d10	19.09	212	35599	0.32	ng		-0.01
29) Terphenyl-d14	19.70	244	38030	0.43	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.28	88	34291	4.488	ng	#	92
6) bis(2-Chloroethyl)ether	7.13	93	6715	0.346	ng		97
9) Naphthalene	10.51	128	25653	0.349	ng		99
10) Hexachlorobutadiene	10.81	225	4824	0.311	ng	#	100
12) 2-Methylnaphthalene	12.13	142	17096	0.344	ng		100
16) Acenaphthylene	14.04	152	23164	0.289	ng		99
17) Acenaphthene	14.38	154	15828	0.306	ng		98
18) Fluorene	15.36	166	19897	0.301	ng		100
20) 4-Bromophenyl-phenylether	16.26	248	6647	0.331	ng		100
21) Hexachlorobenzene	16.38	284	7201	0.328	ng		98
22) Pentachlorophenol	16.72	266	3478	0.430	ng		98
23) Phenanthrene	17.10	178	35442	0.344	ng		100
24) Anthracene	17.19	178	29687	0.319	ng		100
26) Fluoranthene	19.12	202	41880	0.327	ng		100
28) Pyrene	19.49	202	42255	0.346	ng		100
30) Benzo(a)anthracene	21.24	228	39748	0.302	ng		98
31) Chrysene	21.29	228	43894	0.342	ng		98
32) Bis(2-ethylhexyl)phthalate	21.19	149	14647	0.216	ng		97
33) Indeno(1,2,3-cd)pyrene	25.67	276	46674	0.290	ng		99
35) Benzo(b)fluoranthene	22.80	252	41311	0.326	ng		100
36) Benzo(k)fluoranthene	22.84	252	45452	0.362	ng		99
37) Benzo(a)pyrene	23.37	252	37733	0.316	ng		99
38) Dibenzo(a,h)anthracene	25.69	278	38972	0.319	ng		99
39) Benzo(g,h,i)perylene	26.34	276	39200	0.325	ng		99

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

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Acq On : 21 Sep 2019 05:29
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Quant Time: Sep 21 06:24:08 2019
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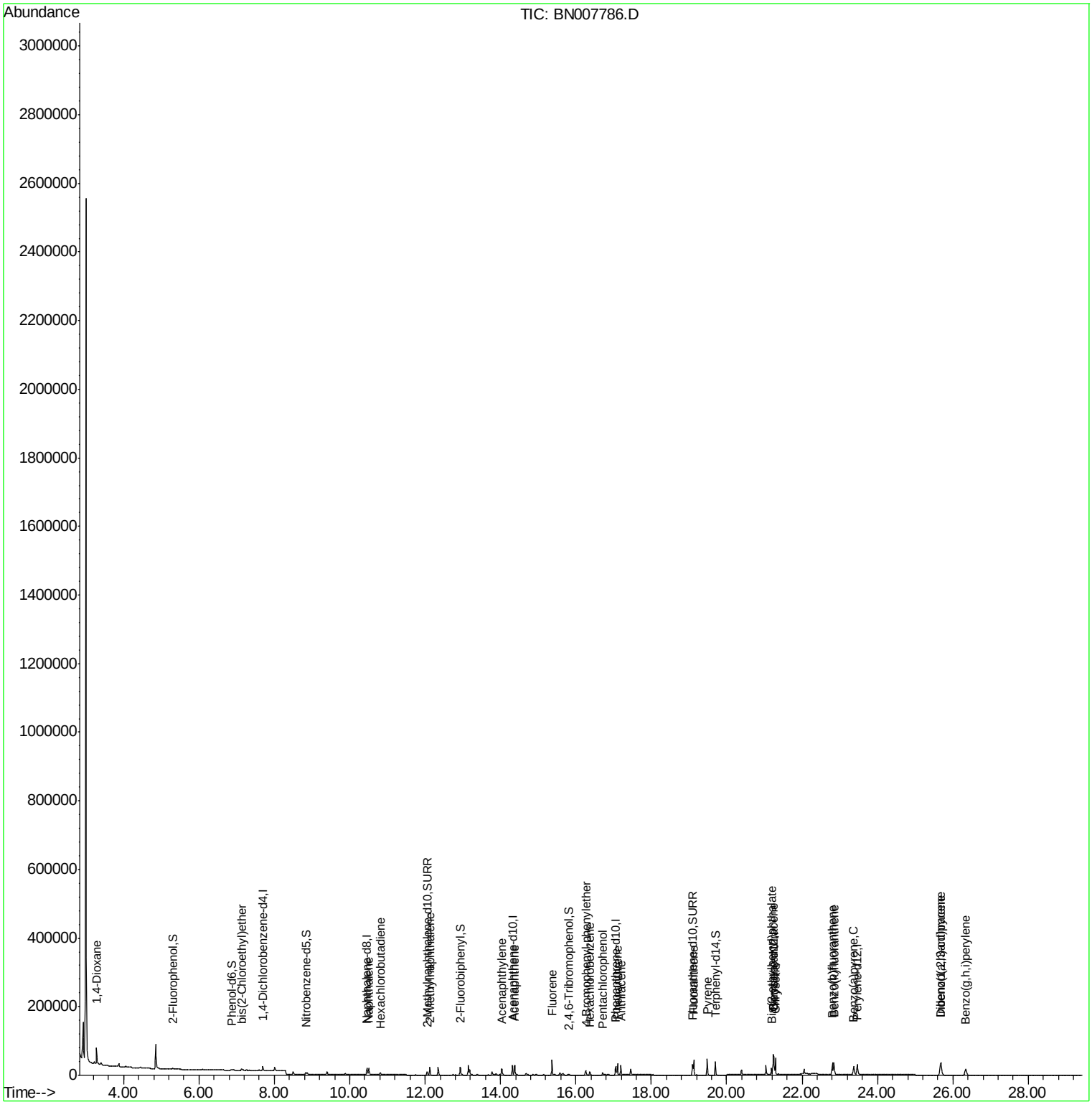
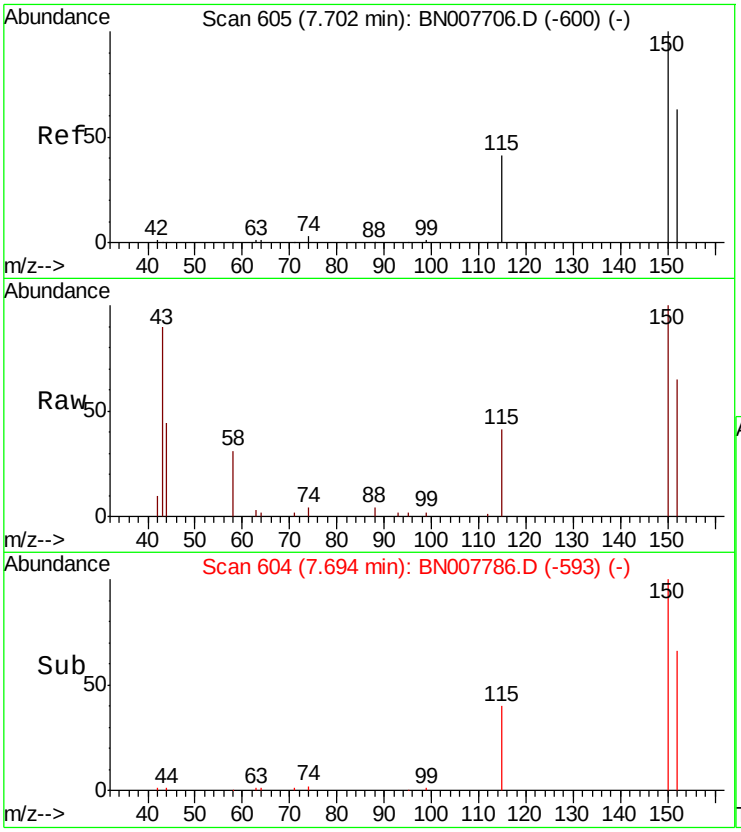
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
Response via : Initial Calibration



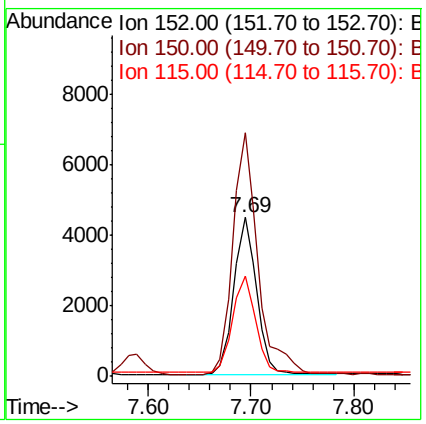


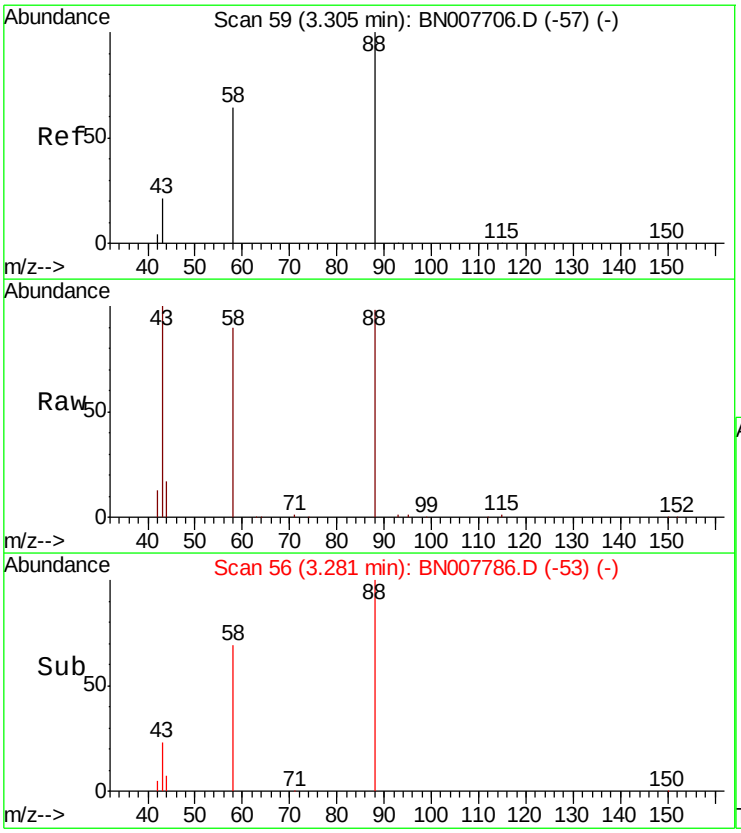
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:152 Resp: 6855

Ion	Ratio	Lower	Upper
152	100		
150	153.2	125.6	188.4
115	62.9	53.3	79.9

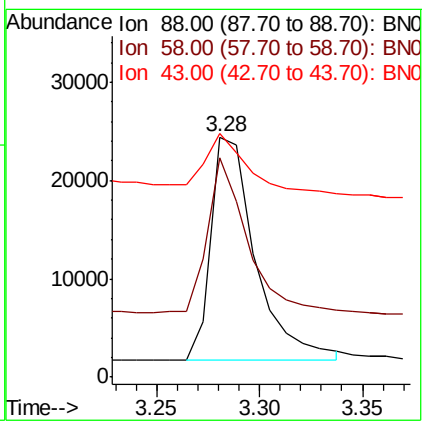


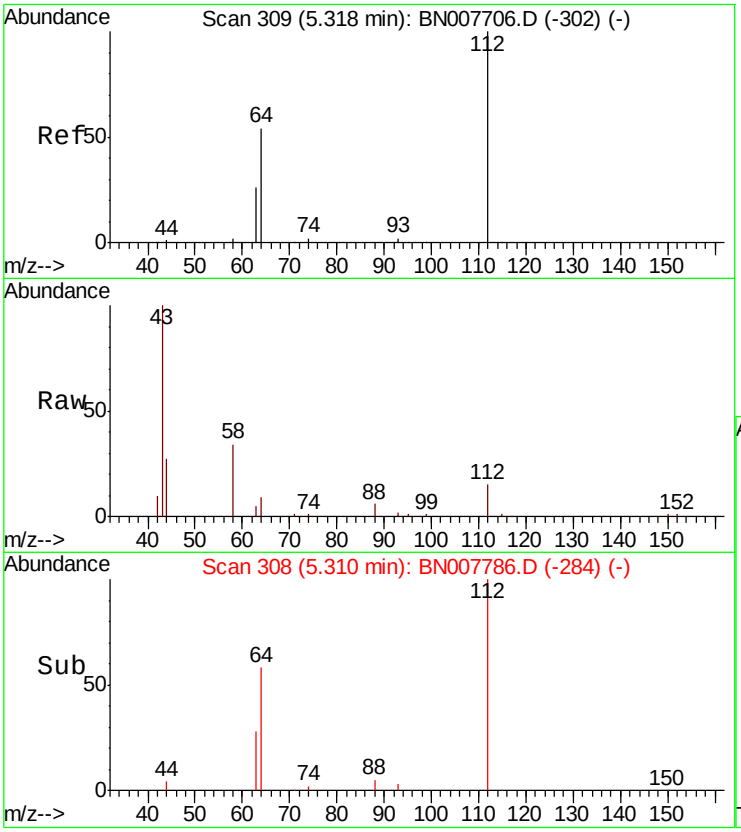


#2
1,4-Dioxane
Concen: 4.488 ng
RT: 3.28 min Scan# 56
Delta R.T. -0.02 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion: 88 Resp: 34291

Ion	Ratio	Lower	Upper
88	100		
58	59.4	44.6	66.8
43	24.9	14.4	21.6#



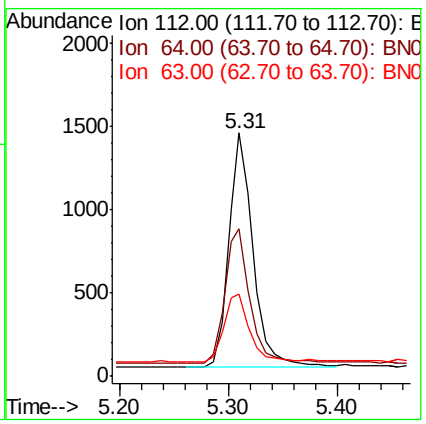


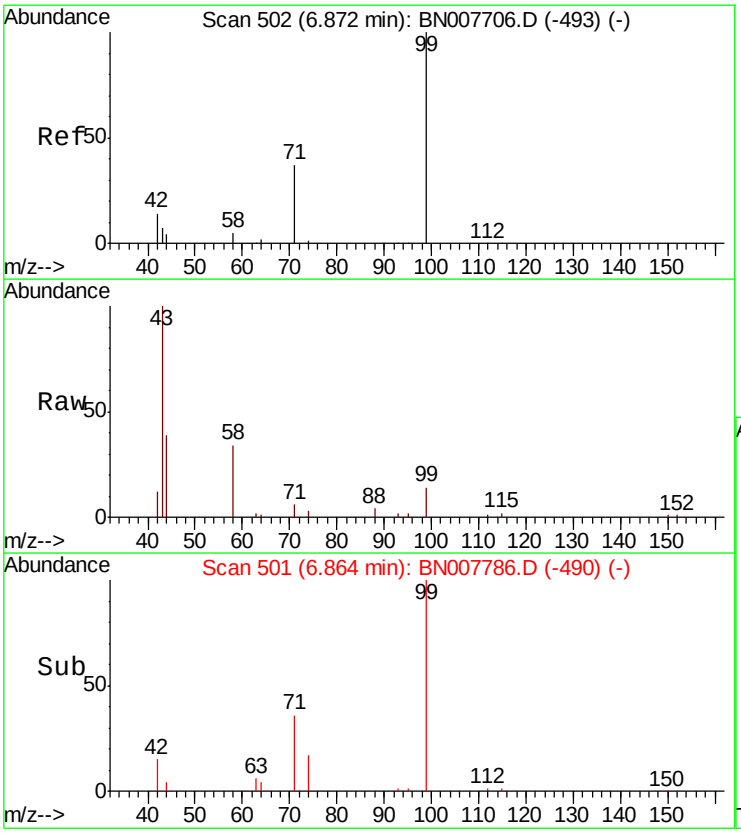
#4
2-Fluorophenol
Concen: 0.094 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:112 Resp: 2212

Ion	Ratio	Lower	Upper
112	100		
64	60.4	46.6	70.0
63	31.0	23.1	34.7

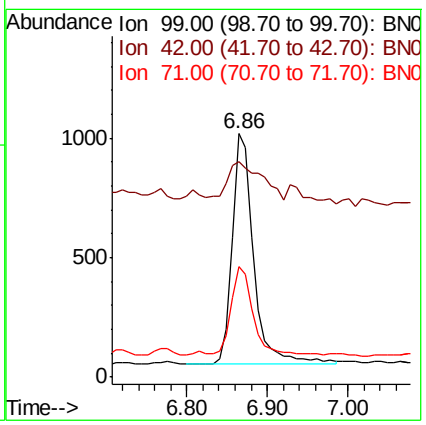


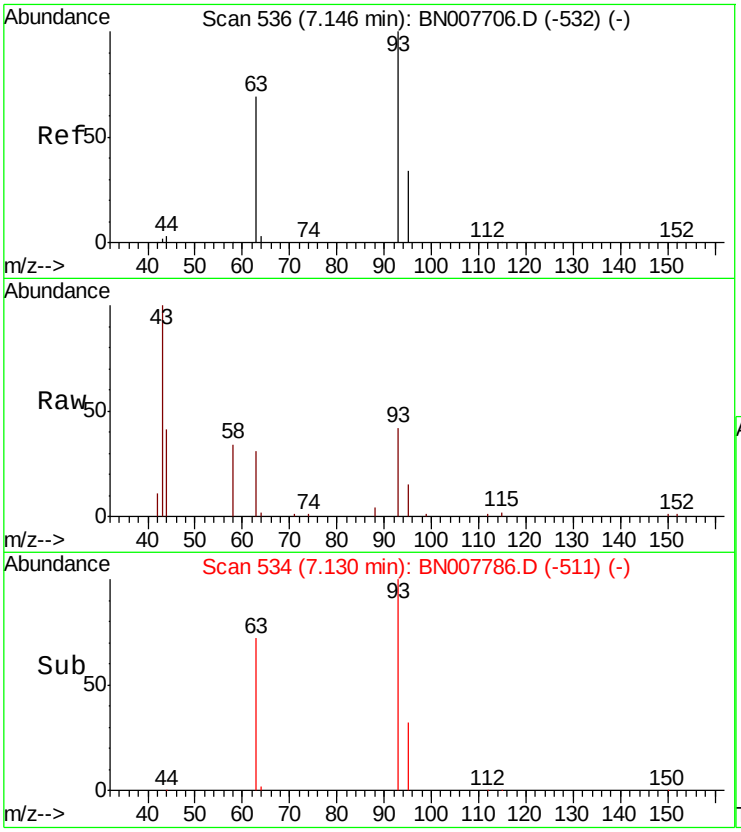


#5
Phenol-d6
Concen: 0.056 ng
RT: 6.86 min Scan# 501
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion: 99 Resp: 1804

Ion	Ratio	Lower	Upper
99	100		
42	26.0	12.8	19.2#
71	40.0	27.6	41.4



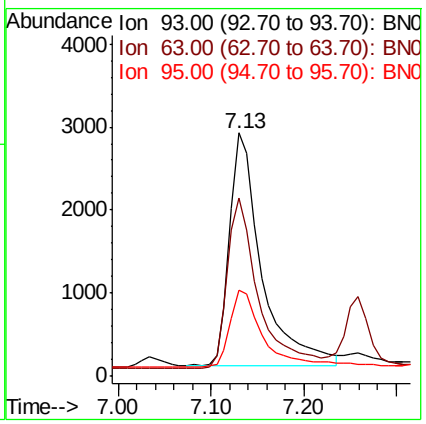


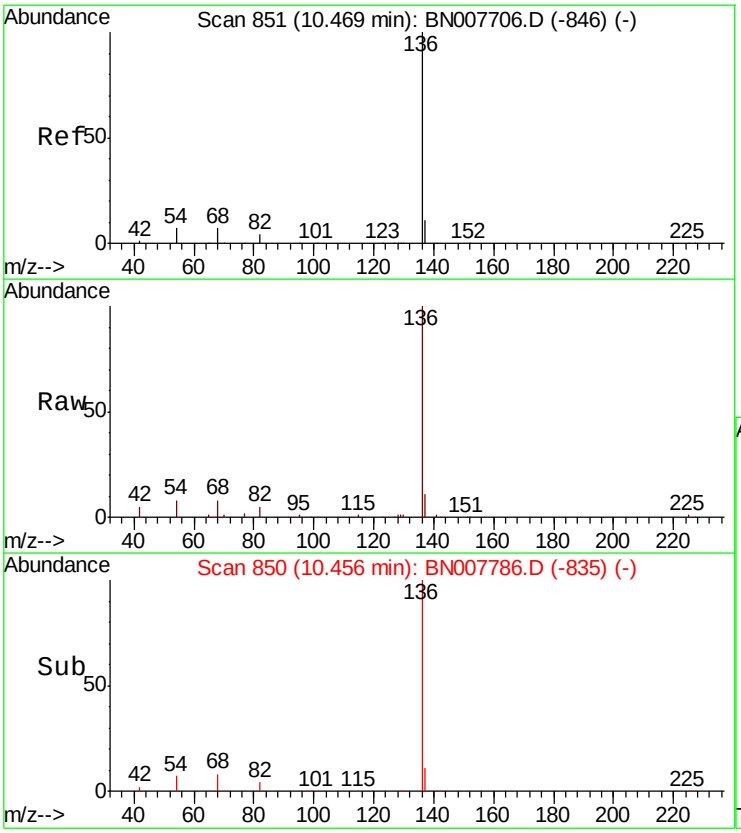
#6
bis(2-Chloroethyl)ether
Concen: 0.346 ng
RT: 7.13 min Scan# 534
Delta R.T. -0.02 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion: 93 Resp: 6715

Ion	Ratio	Lower	Upper
93	100		
63	71.8	59.3	88.9
95	36.7	31.4	47.0

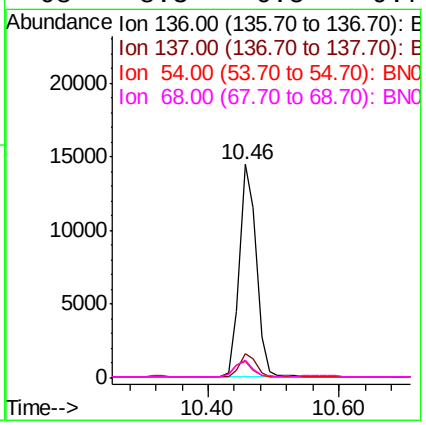


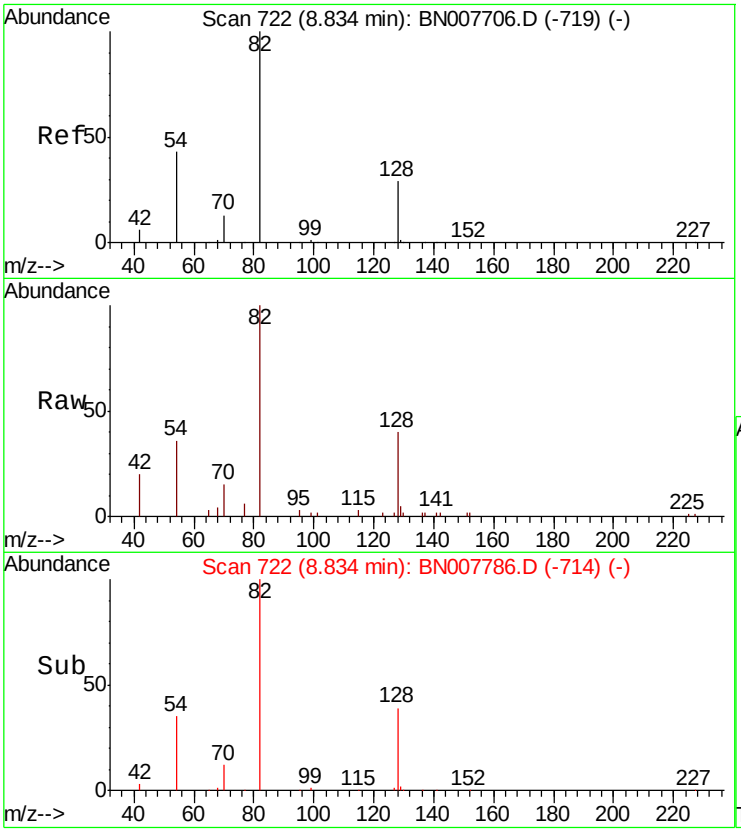


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.46 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:136 Resp: 26219

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.6	5.8	8.8
68	8.3	6.5	9.7



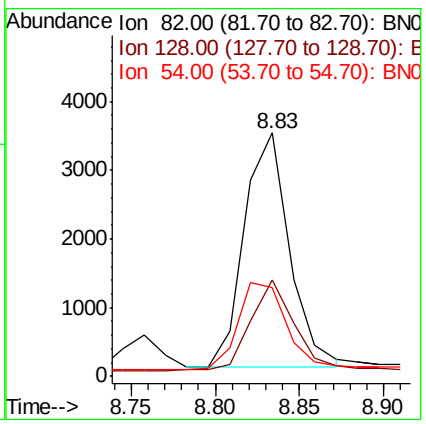


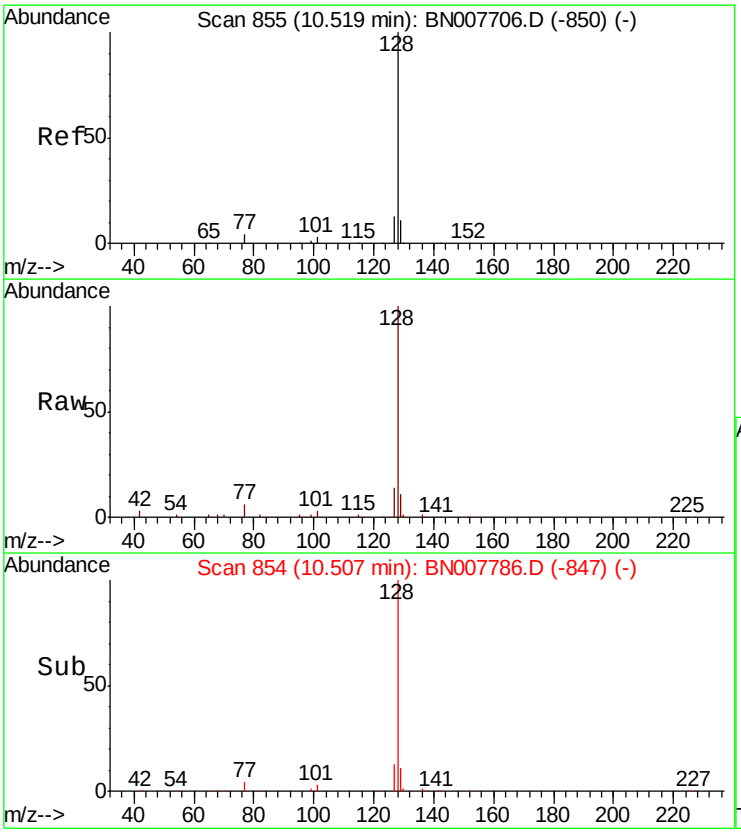
#8
Nitrobenzene-d5
Concen: 0.277 ng
RT: 8.83 min Scan# 722
Delta R.T. 0.00 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion: 82 Resp: 6356

Ion	Ratio	Lower	Upper
82	100		
128	39.7	24.5	36.7#
54	36.4	35.2	52.8

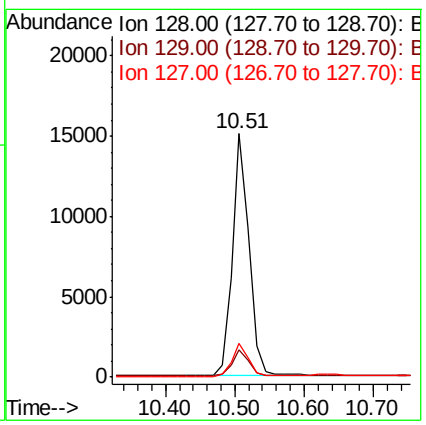


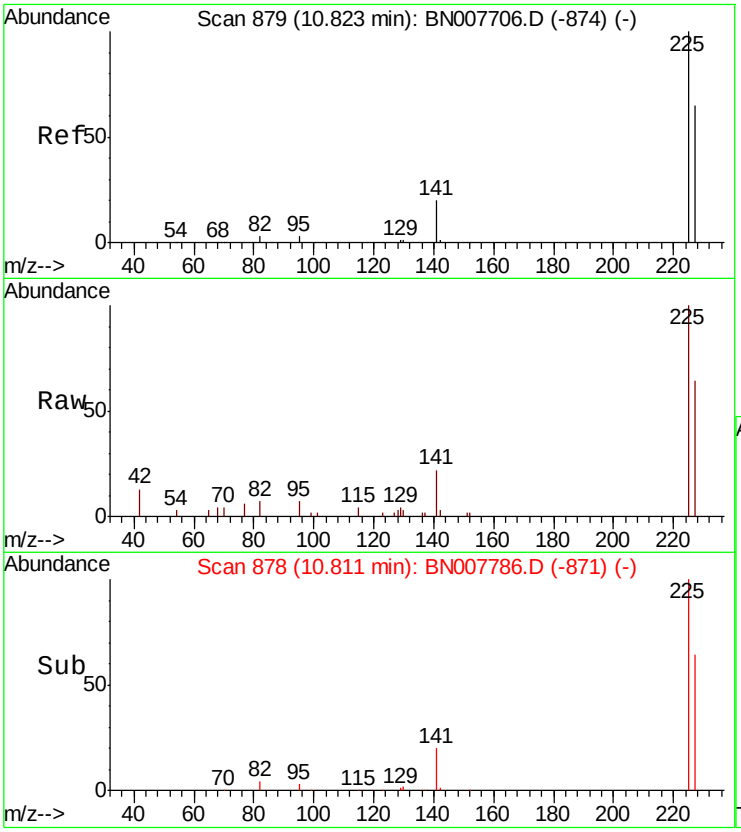


#9
Naphthalene
Concen: 0.349 ng
RT: 10.51 min Scan# 854
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:128 Resp: 25653

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.6	10.6	15.8



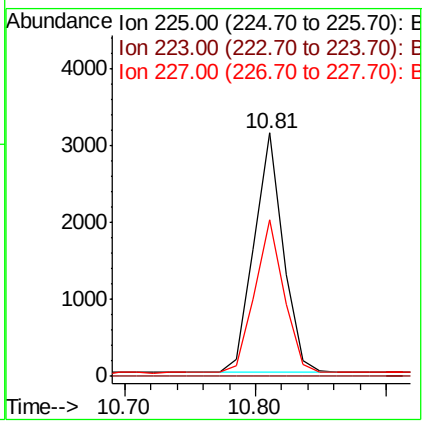


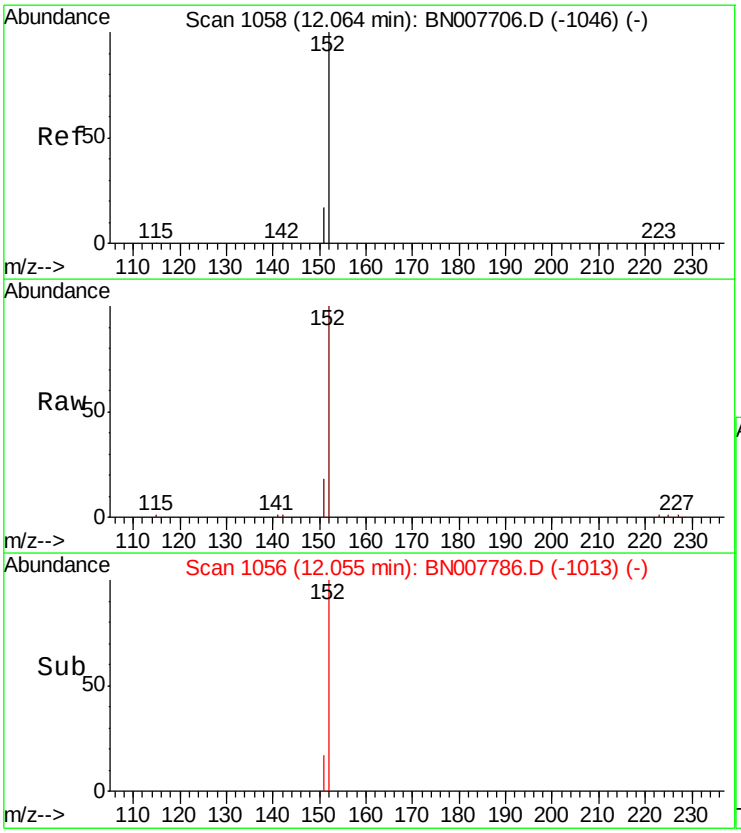
#10
Hexachlorobutadiene
Concen: 0.311 ng
RT: 10.81 min Scan# 878
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:225 Resp: 4824

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.9	51.2	76.8

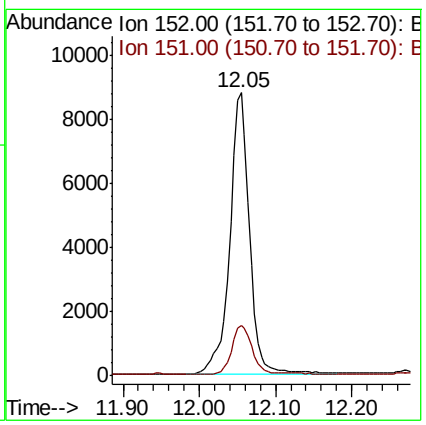


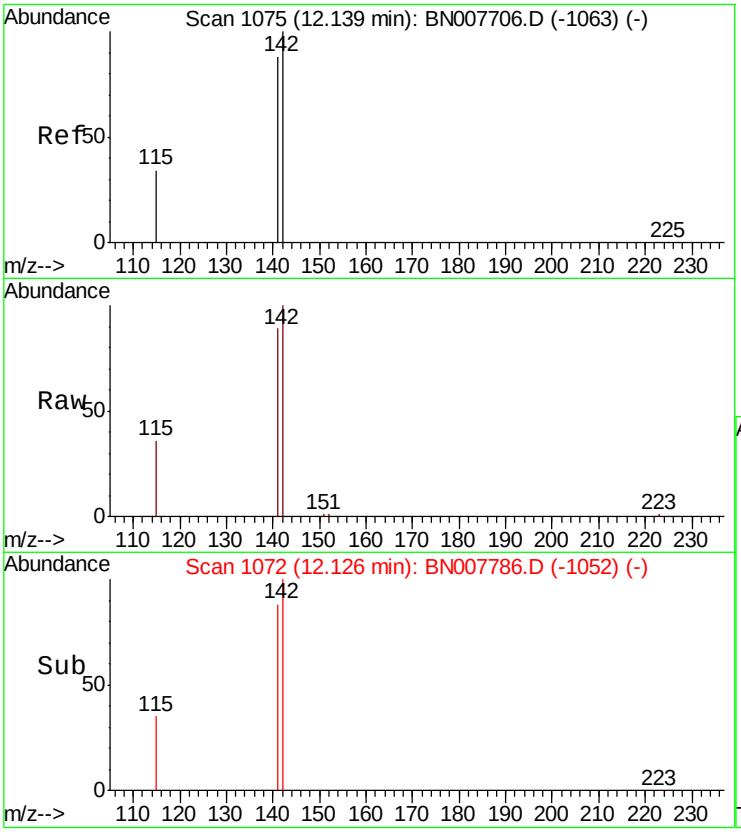


#11
2-Methylnaphthalene-d10
Concen: 0.353 ng
RT: 12.05 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:152 Resp: 15614

Ion	Ratio	Lower	Upper
152	100		
151	17.6	15.4	23.2



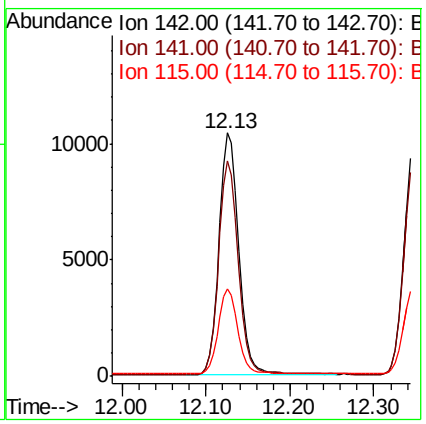


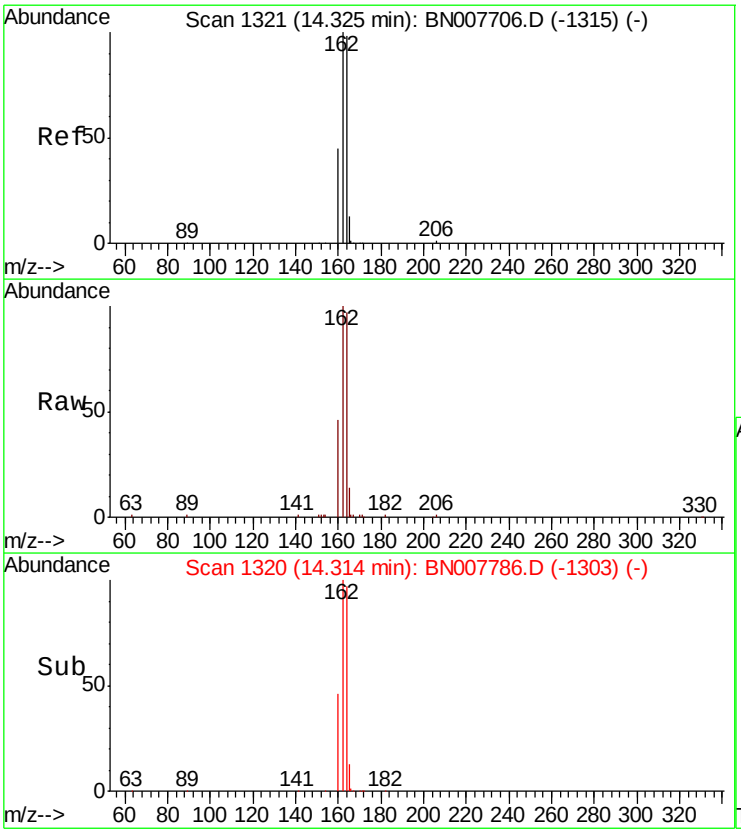
#12
2-Methylnaphthalene
Concen: 0.344 ng
RT: 12.13 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:142 Resp: 17096

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.6	106.0
115	36.0	28.3	42.5

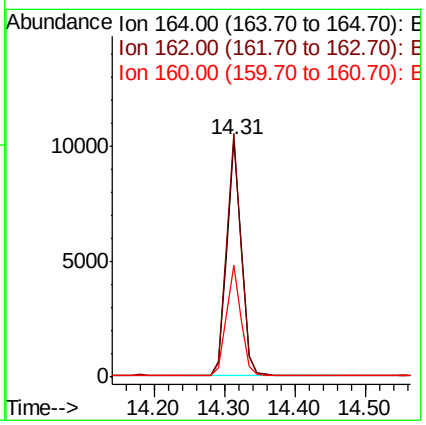


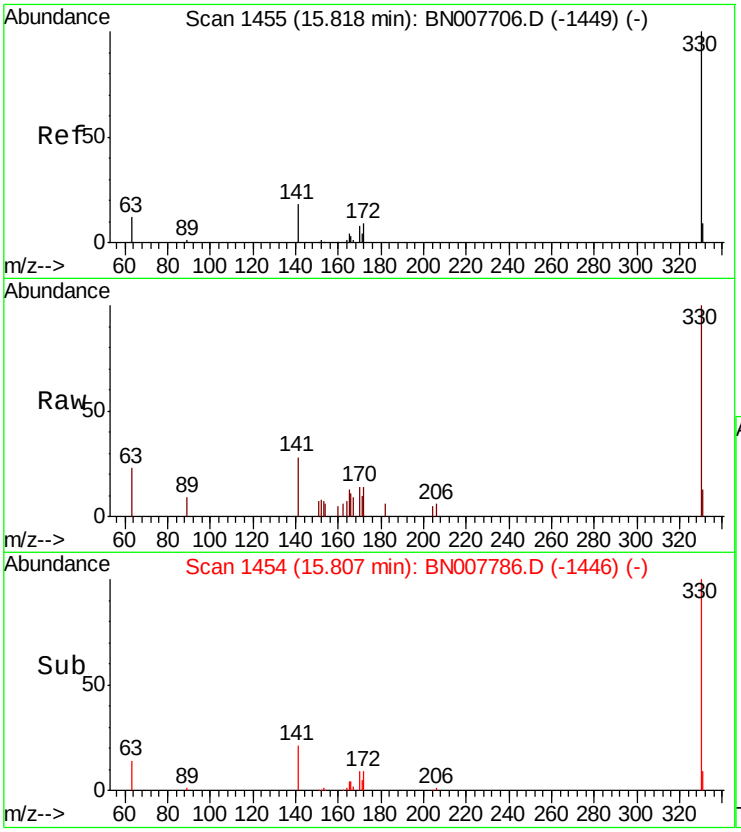


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:164 Resp: 15105

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.7	122.5
160	47.1	37.0	55.4



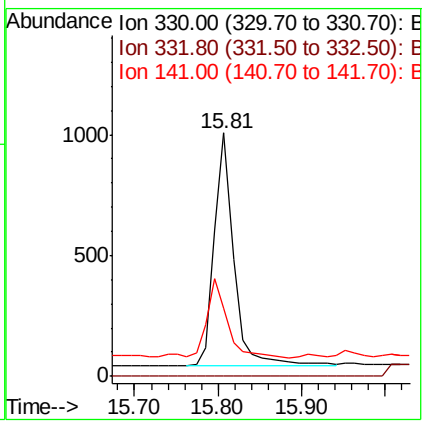


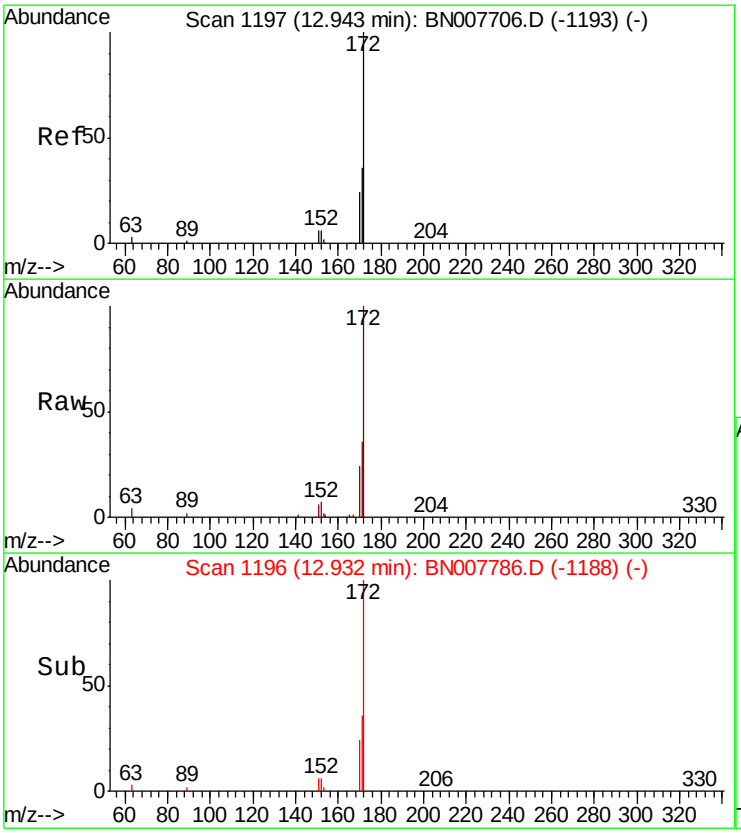
#14
2,4,6-Tribromophenol
Concen: 0.189 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:330 Resp: 1558

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	36.8	28.7	43.1

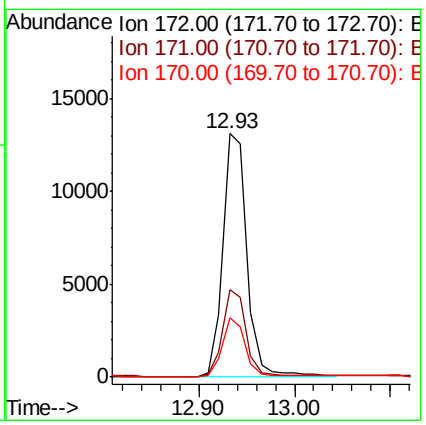


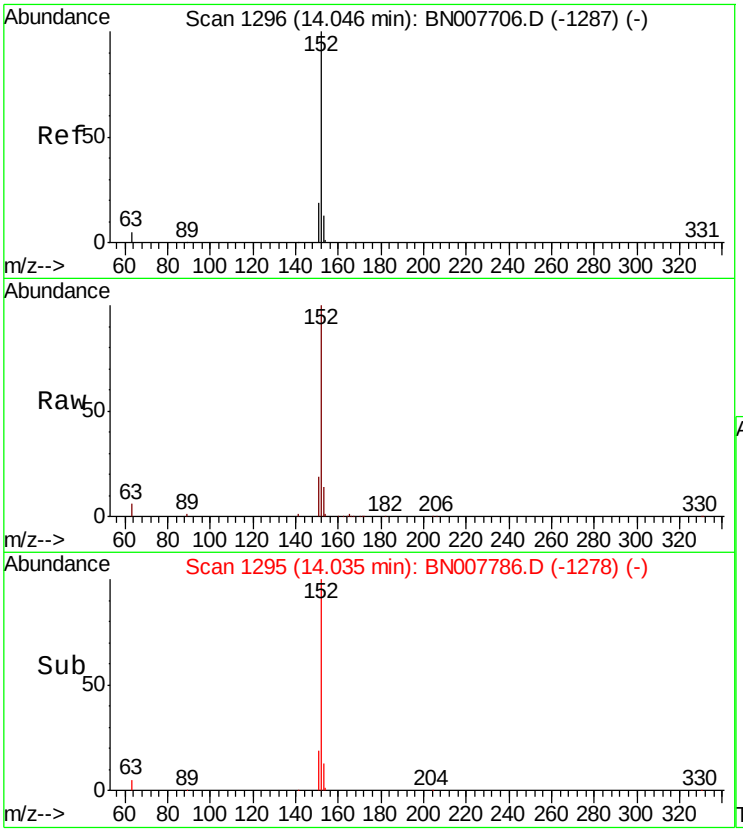


#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:172 Resp: 22804

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.8	43.2
170	24.5	19.5	29.3



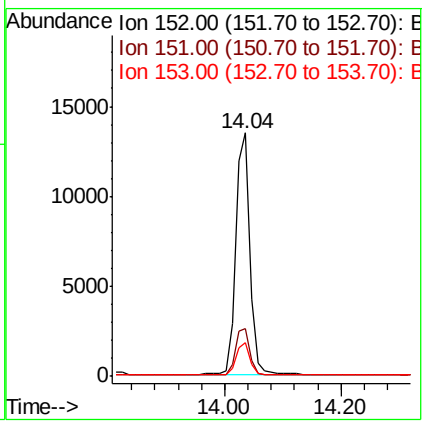


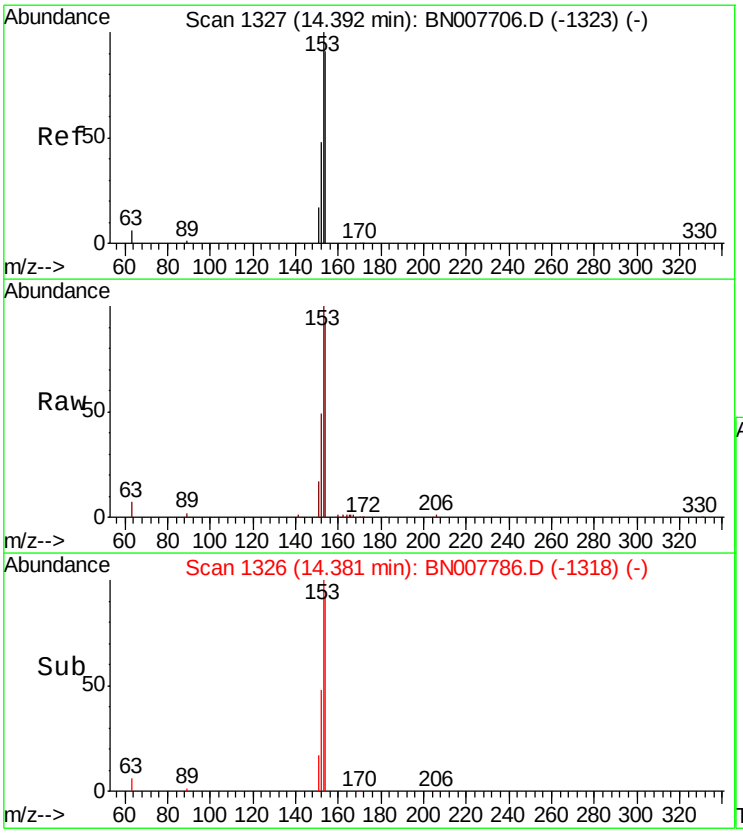
#16
Acenaphthylene
Concen: 0.289 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:152 Resp: 23164

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	13.2	10.4	15.6

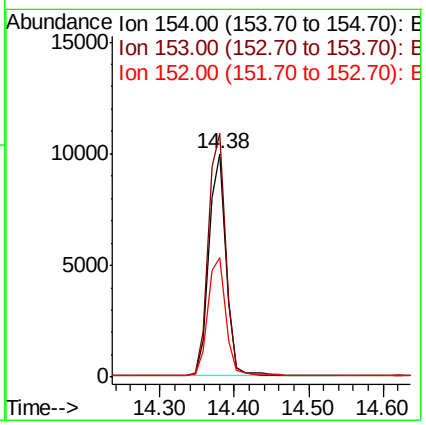


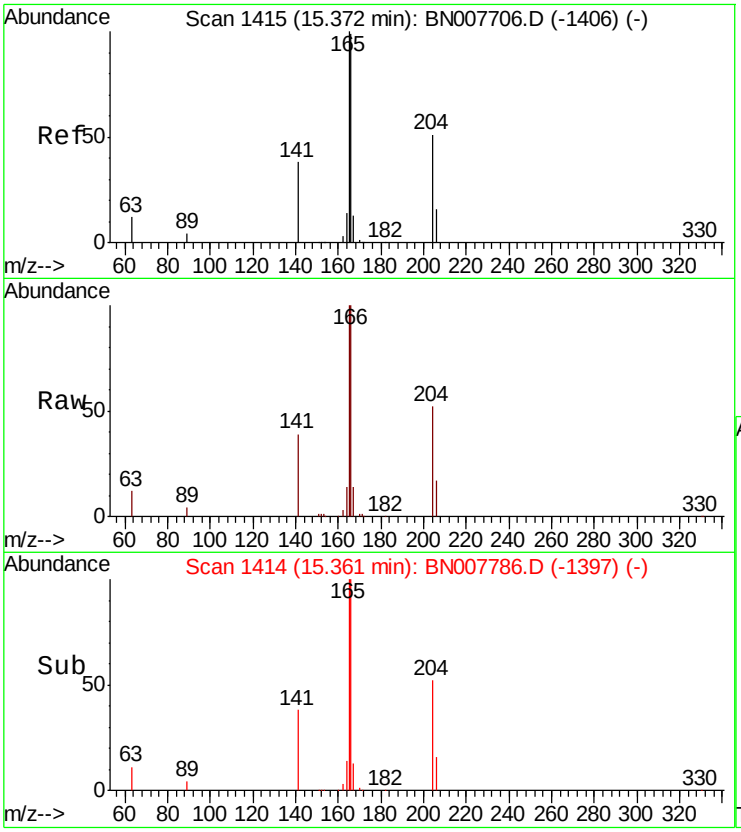


#17
Acenaphthene
Concen: 0.306 ng
RT: 14.38 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:154 Resp: 15828

Ion	Ratio	Lower	Upper
154	100		
153	111.2	87.0	130.4
152	55.2	42.7	64.1



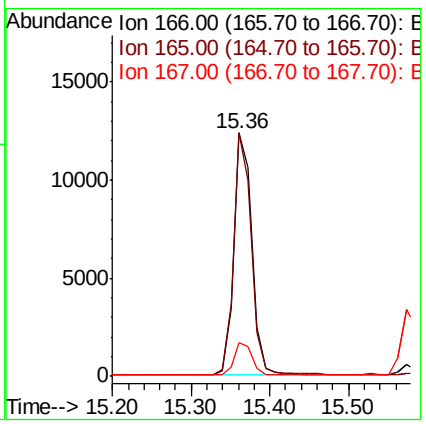


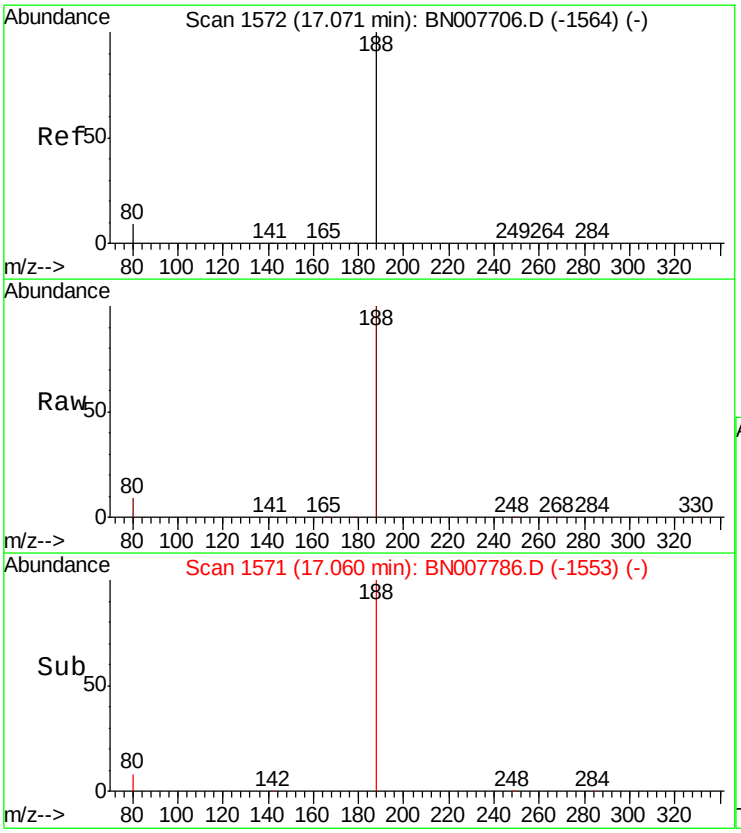
#18
Fluorene
Concen: 0.301 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:166 Resp: 19897

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.0	117.0
167	13.7	10.9	16.3

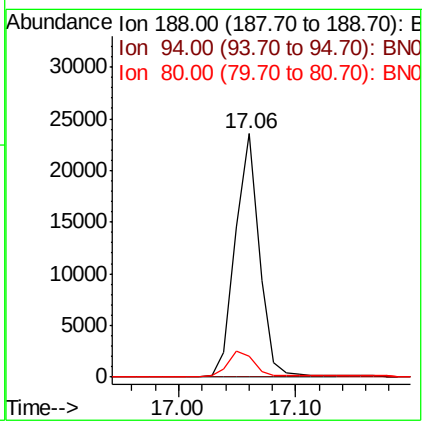


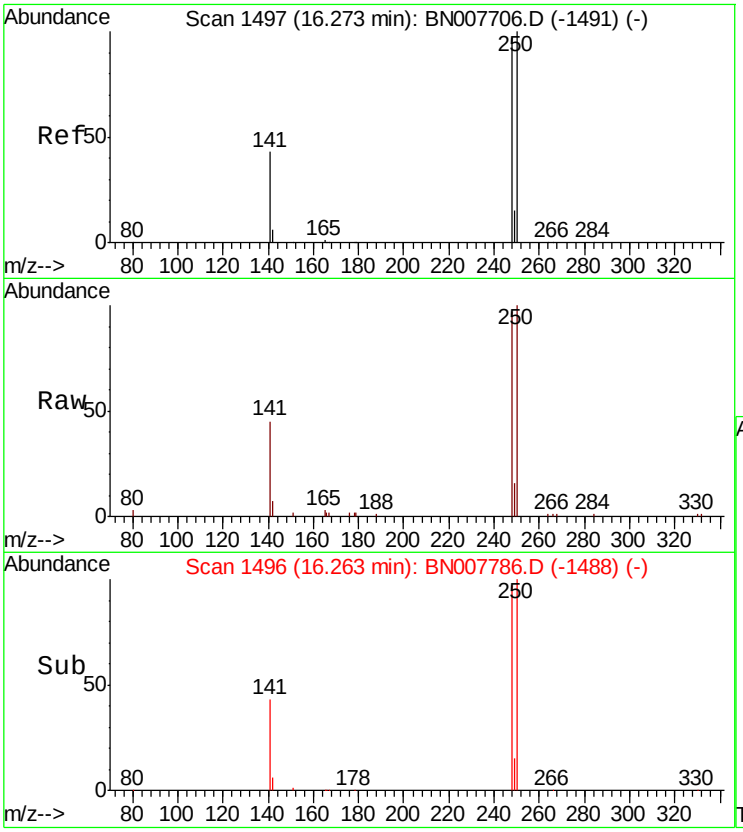


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:188 Resp: 33058

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	7.4	11.2



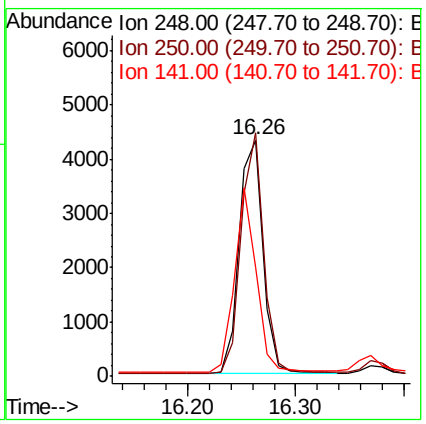


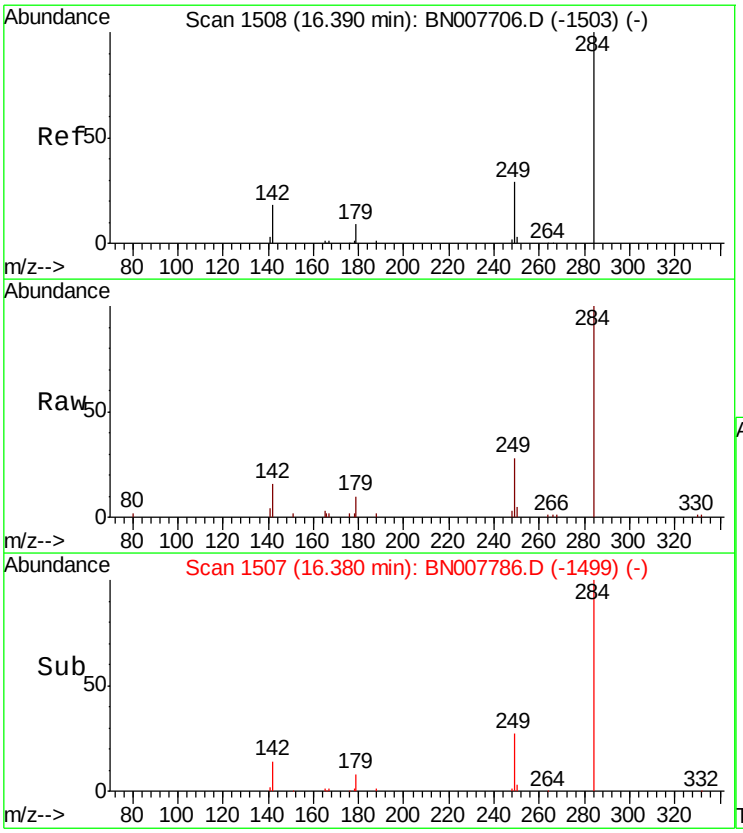
#20
4-Bromophenyl-phenylether
Concen: 0.331 ng
RT: 16.26 min Scan# 1496
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:248 Resp: 6647

Ion	Ratio	Lower	Upper
248	100		
250	103.0	82.2	123.4
141	46.0	36.3	54.5

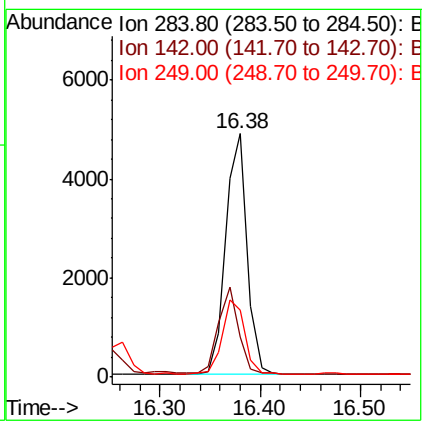


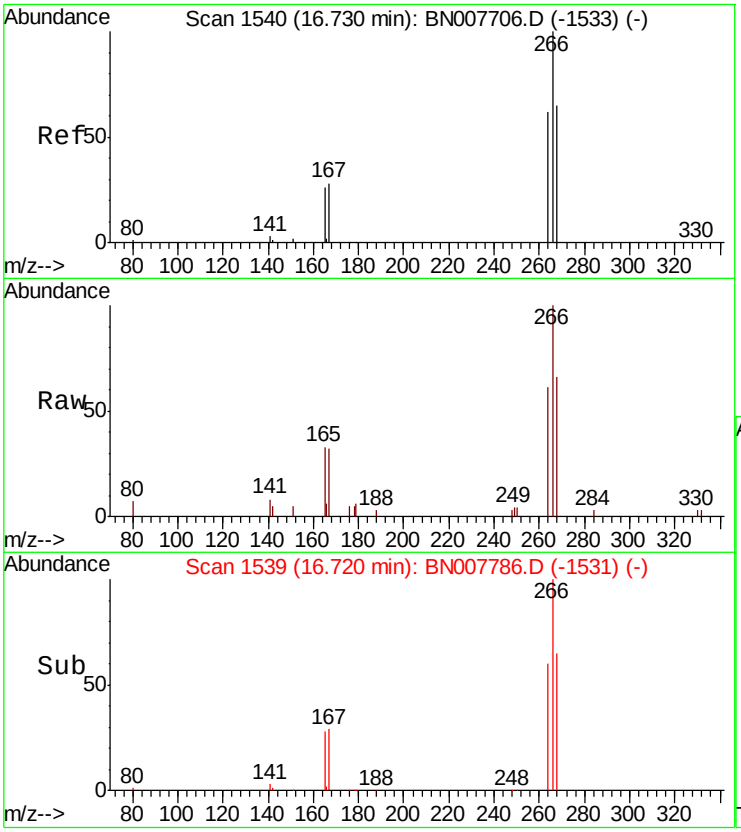


#21
Hexachlorobenzene
Concen: 0.328 ng
RT: 16.38 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:284 Resp: 7201

Ion	Ratio	Lower	Upper
284	100		
142	33.6	25.8	38.6
249	31.8	25.9	38.9



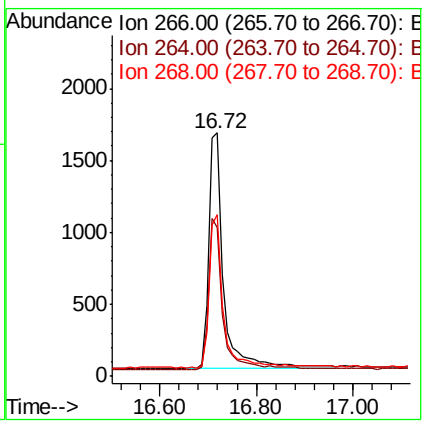


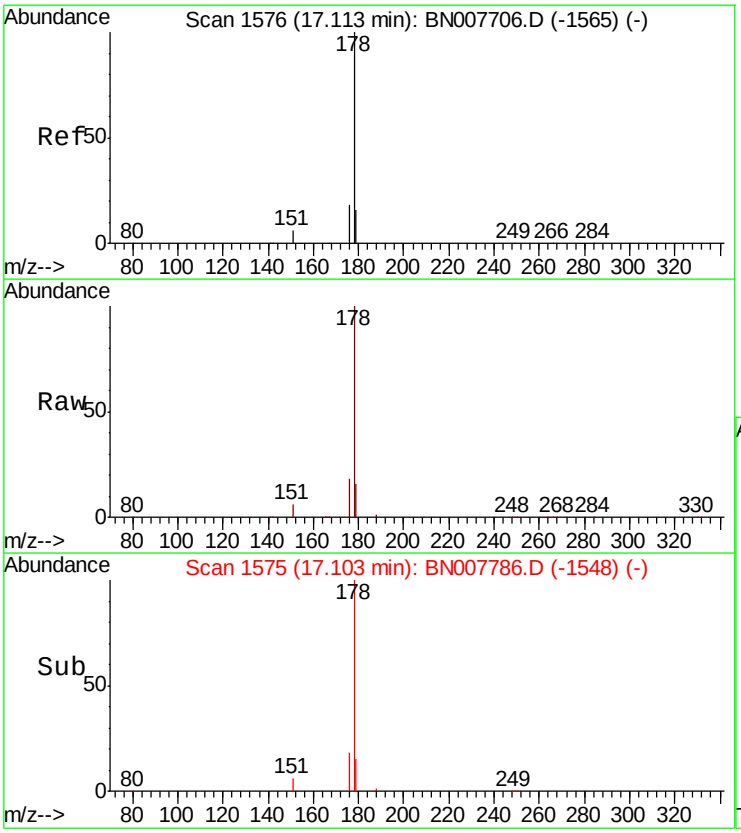
#22
Pentachlorophenol
Concen: 0.430 ng
RT: 16.72 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:266 Resp: 3478

Ion	Ratio	Lower	Upper
266	100		
264	61.1	50.0	75.0
268	66.4	54.2	81.4

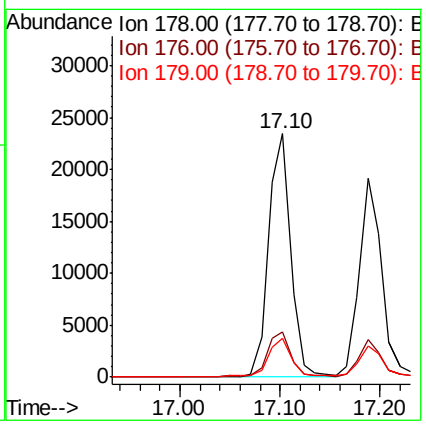


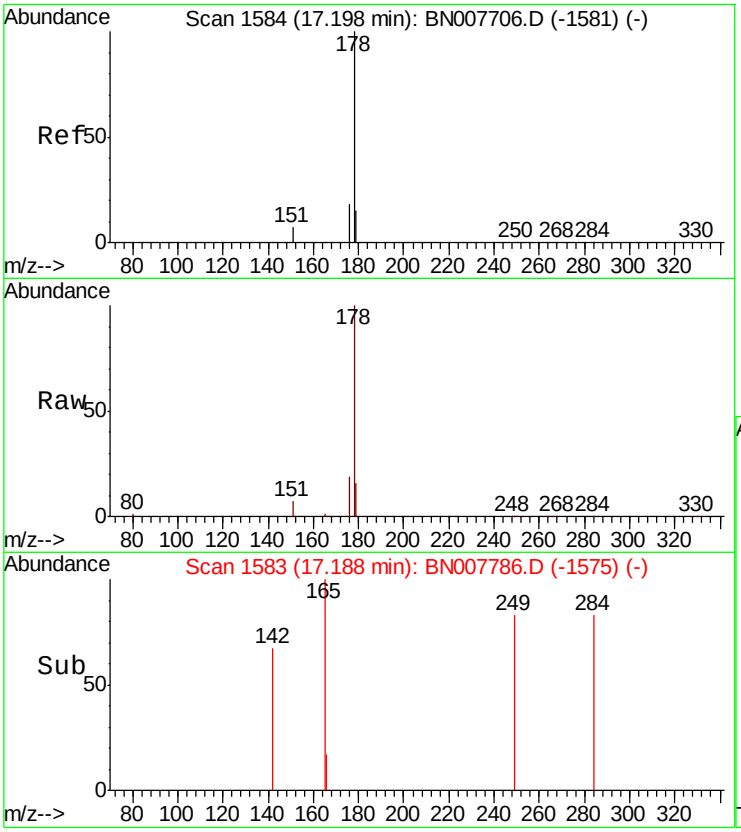


#23
Phenanthrene
Concen: 0.344 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:178 Resp: 35442

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.5	12.5	18.7



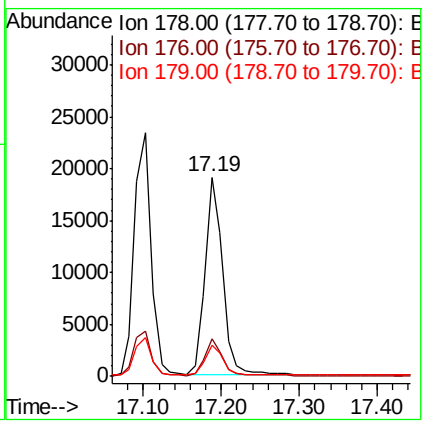


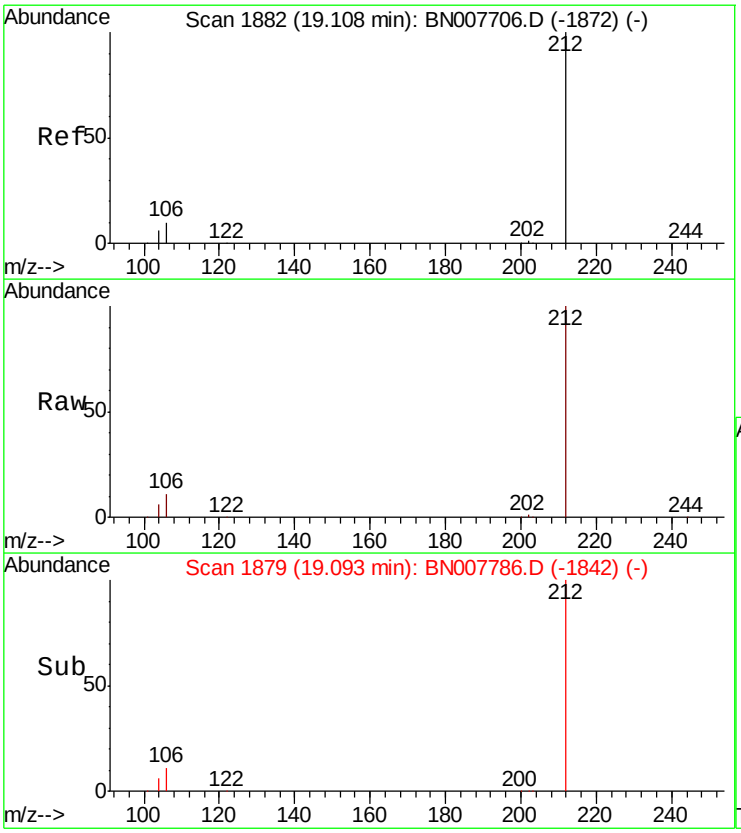
#24
Anthracene
Concen: 0.319 ng
RT: 17.19 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:178 Resp: 29687

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	15.4	12.2	18.4

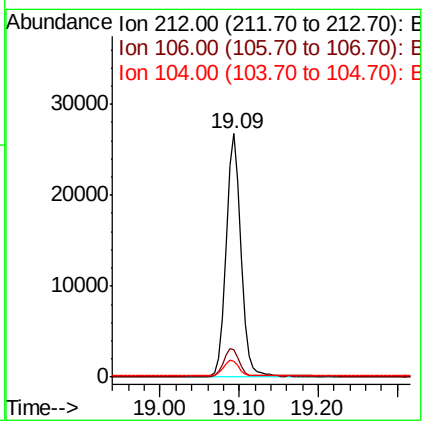


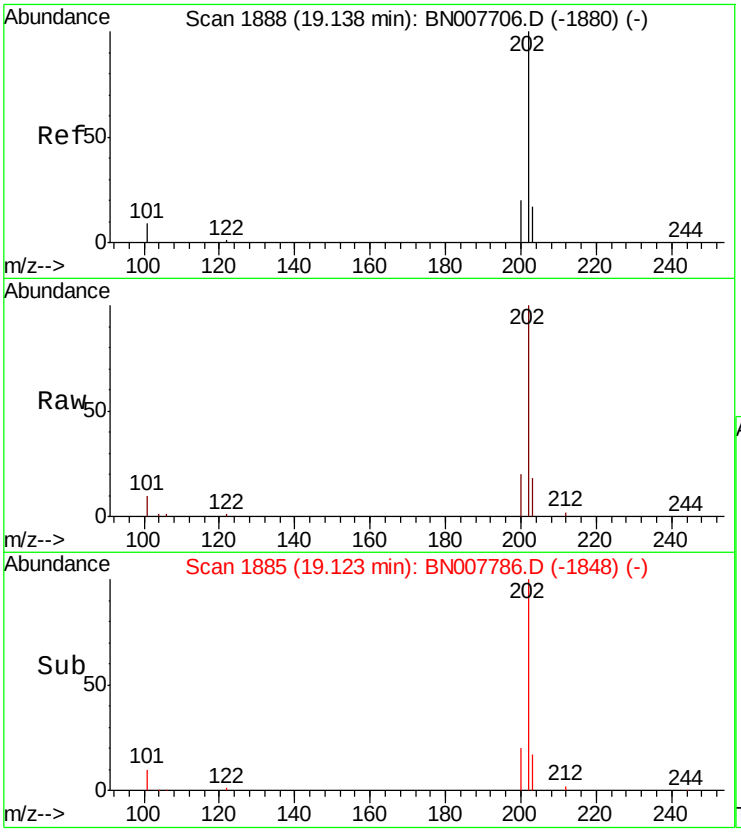


#25
Fluoranthene-d10
Concen: 0.320 ng
RT: 19.09 min Scan# 1879
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:212 Resp: 35599

Ion	Ratio	Lower	Upper
212	100		
106	11.9	9.4	14.0
104	6.7	5.3	7.9



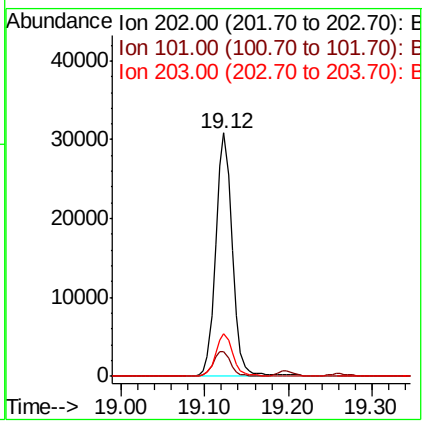


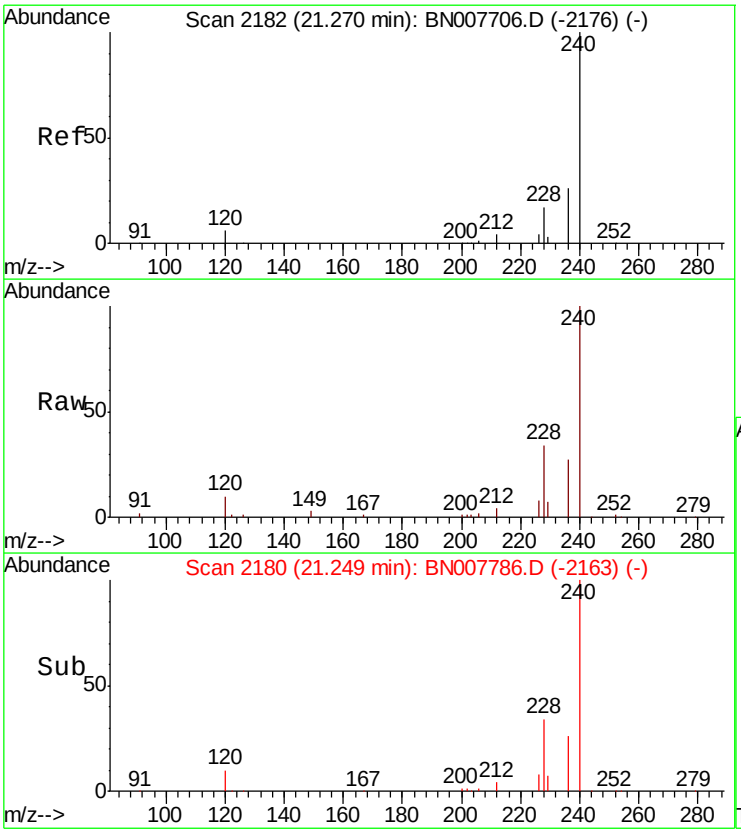
#26
Fluoranthene
Concen: 0.327 ng
RT: 19.12 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:202 Resp: 41880

Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.4	12.6
203	17.2	13.8	20.8

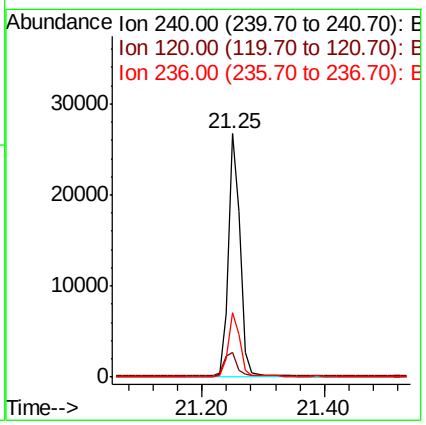


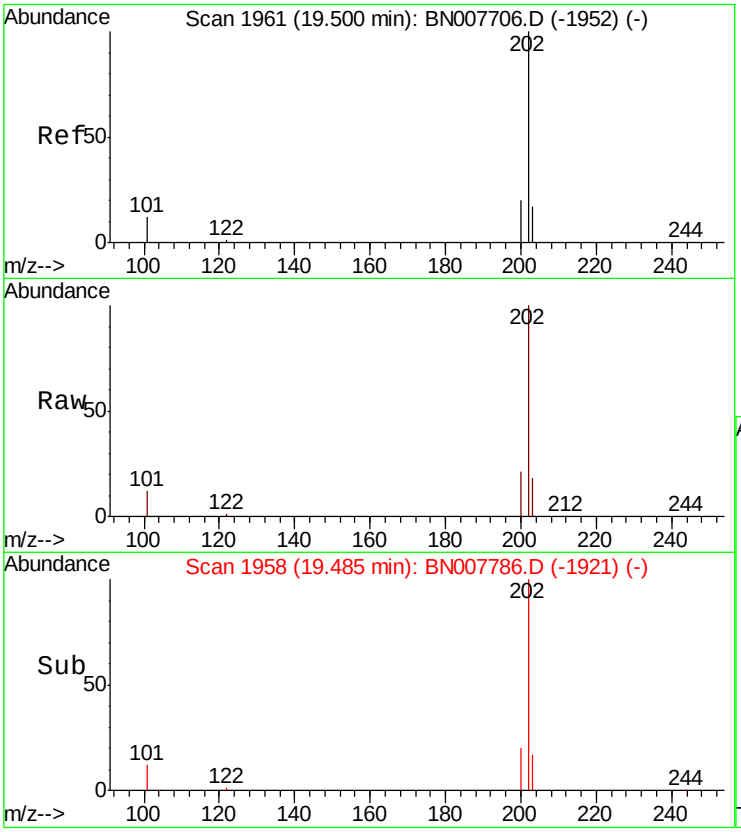


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:240 Resp: 35796

Ion	Ratio	Lower	Upper
240	100		
120	10.4	5.4	8.2#
236	26.6	21.0	31.4



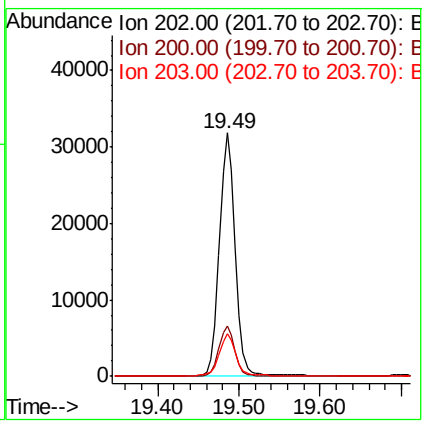


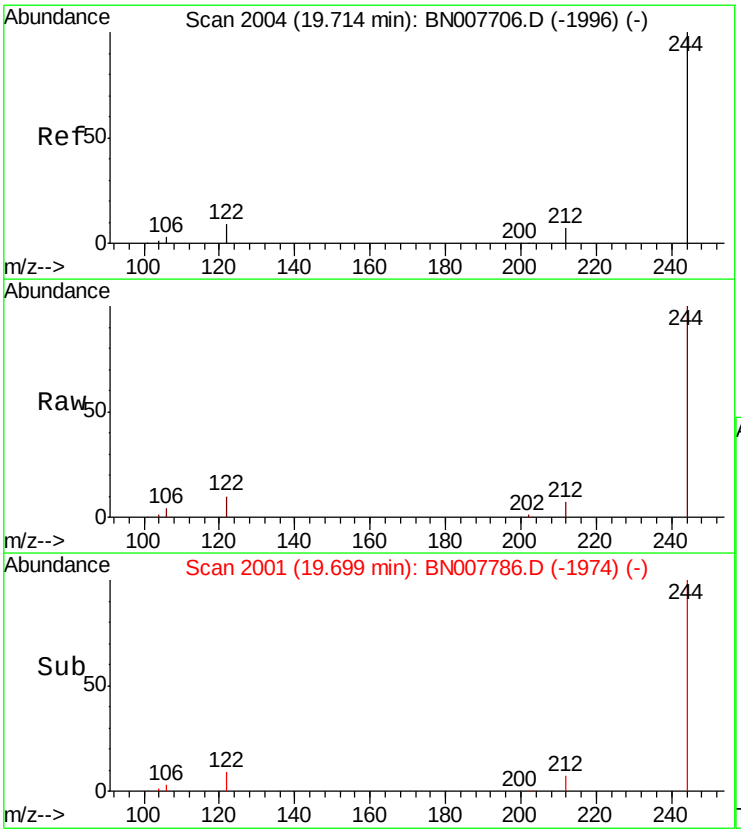
#28
Pyrene
Concen: 0.346 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:202 Resp: 42255

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.4	24.6
203	18.0	14.1	21.1

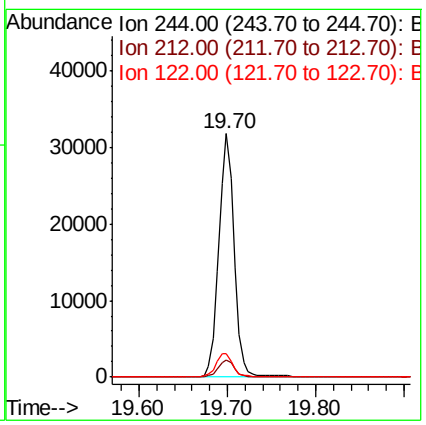


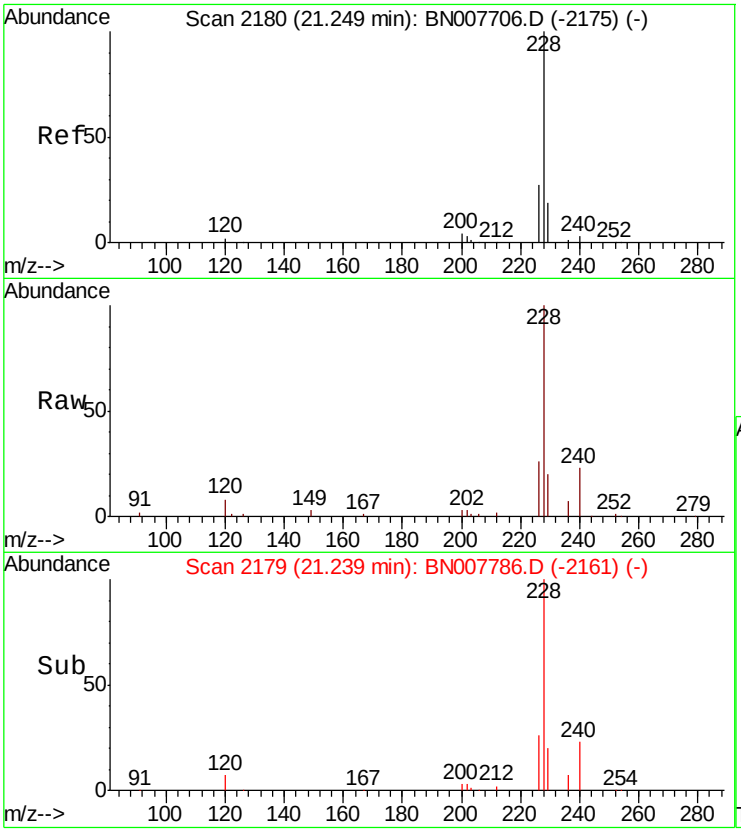


#29
Terphenyl-d14
Concen: 0.433 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:244 Resp: 38030

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	9.7	7.4	11.2



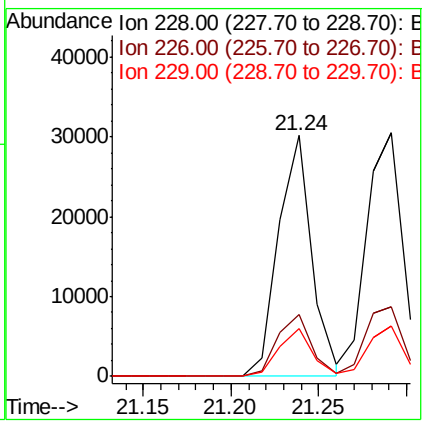


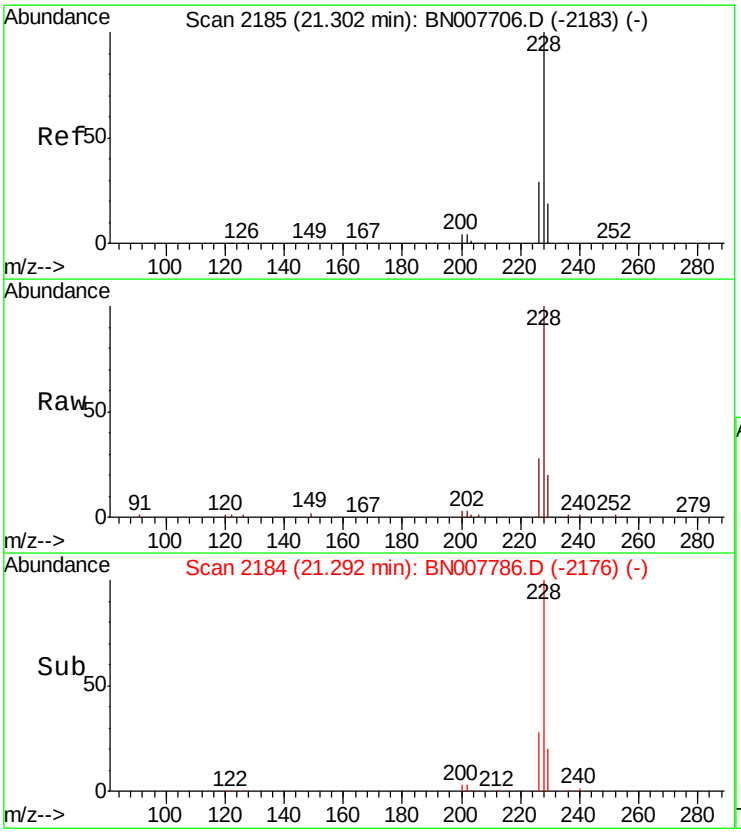
#30
Benzo(a)anthracene
Concen: 0.302 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:228 Resp: 39748

Ion	Ratio	Lower	Upper
228	100		
226	25.7	22.1	33.1
229	19.8	15.8	23.6

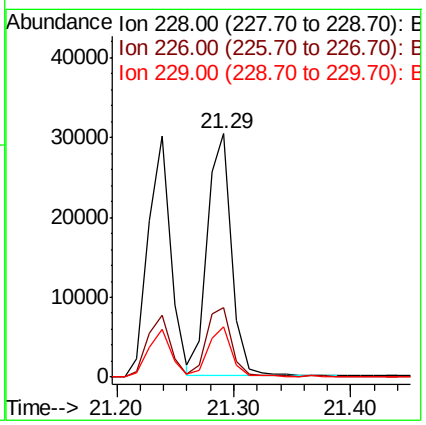


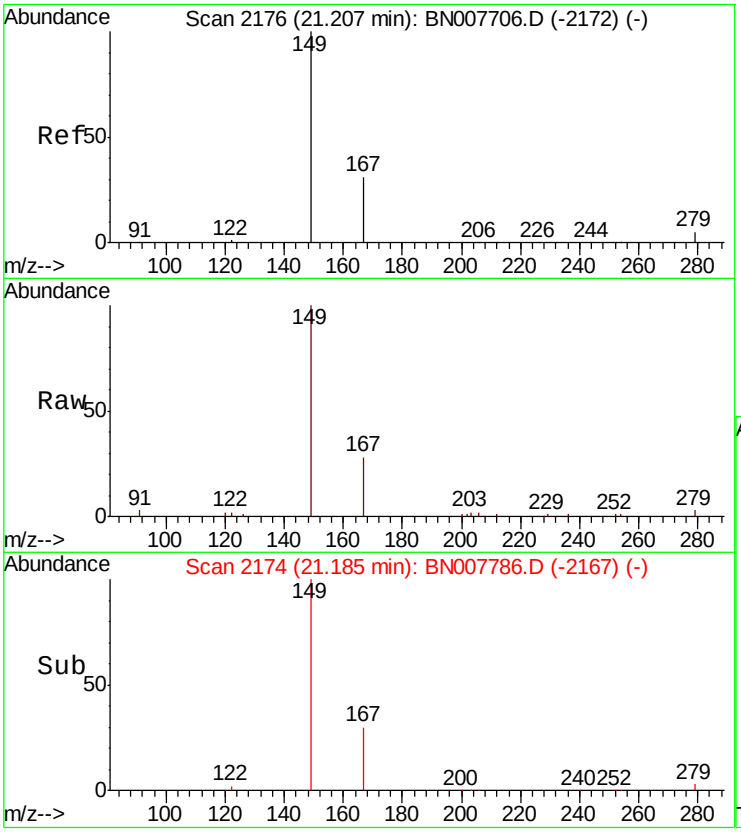


#31
Chrysene
Concen: 0.342 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:228 Resp: 43894

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.9	35.9
229	20.5	15.8	23.6



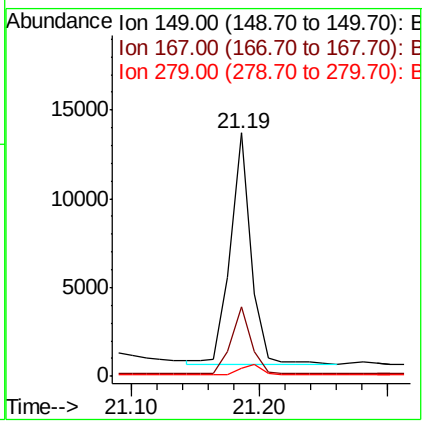


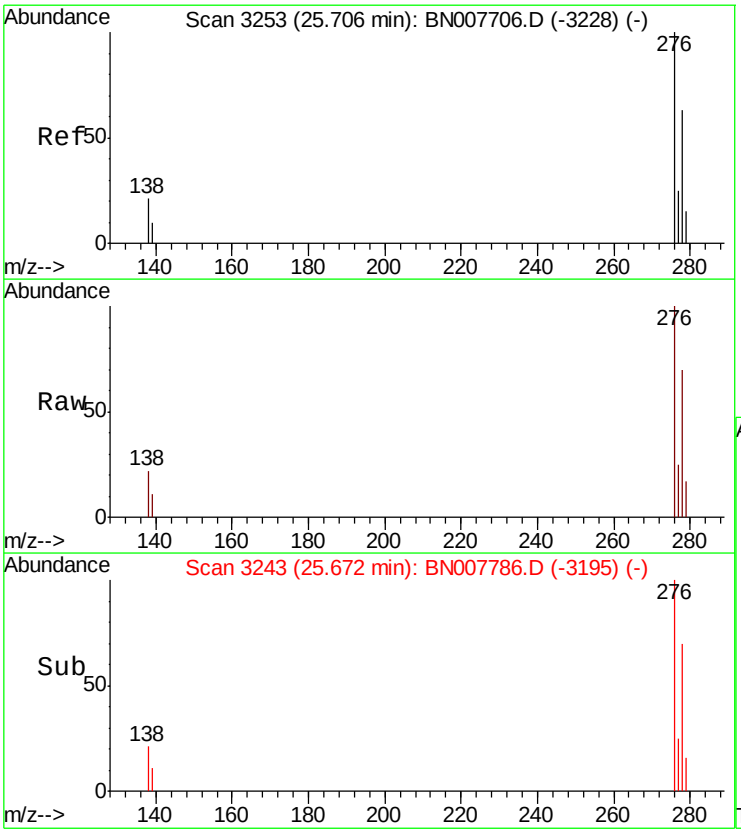
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.216 ng
RT: 21.19 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:149 Resp: 14647

Ion	Ratio	Lower	Upper
149	100		
167	28.0	23.7	35.5
279	4.6	4.2	6.2

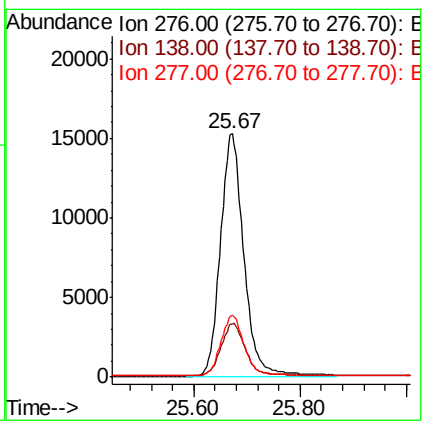


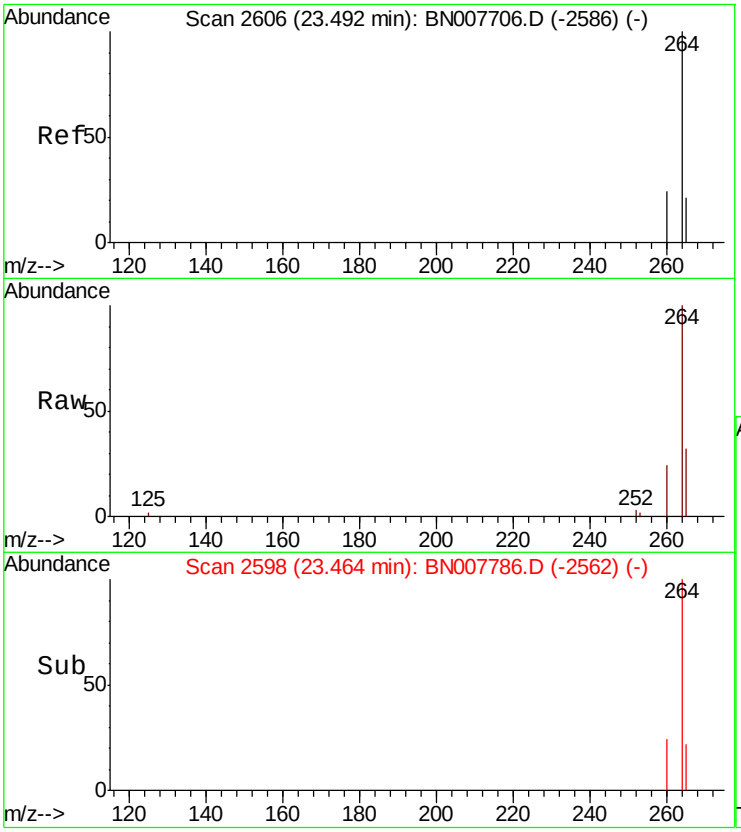


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.290 ng
RT: 25.67 min Scan# 3243
Delta R.T. -0.03 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:276 Resp: 46674

Ion	Ratio	Lower	Upper
276	100		
138	22.6	17.1	25.7
277	24.8	20.0	30.0



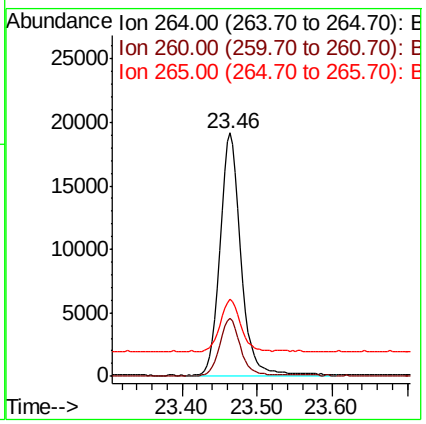


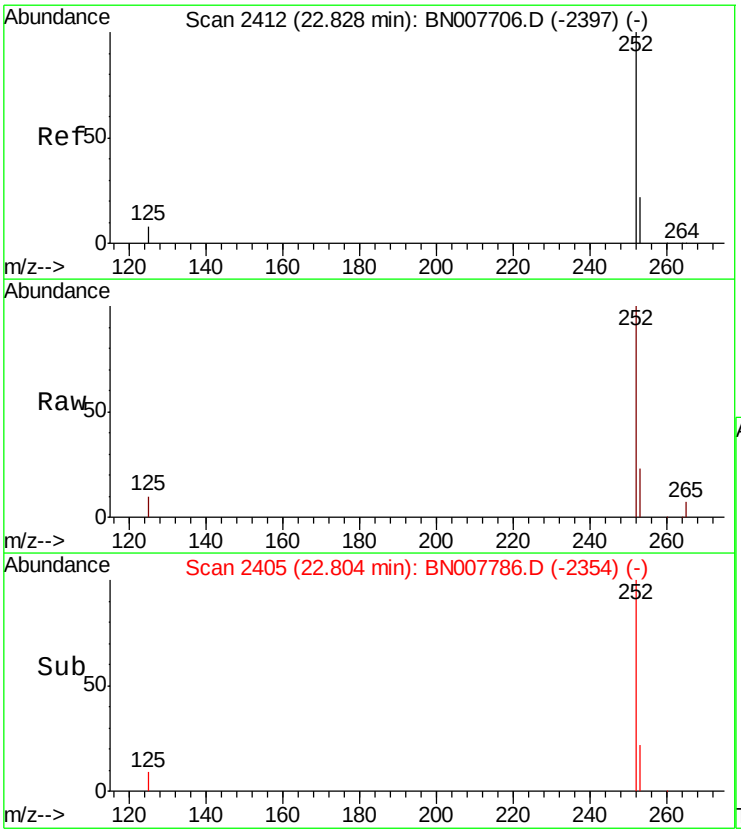
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2598
Delta R.T. -0.03 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:264 Resp: 36551

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.3	28.9
265	31.9	26.9	40.3

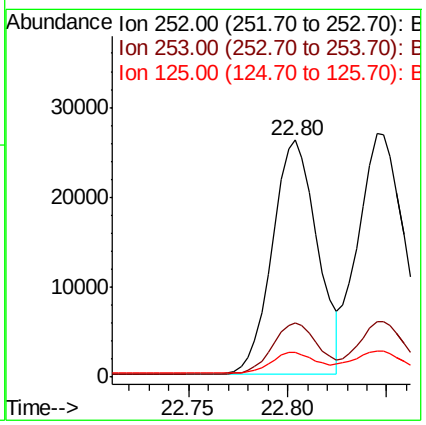


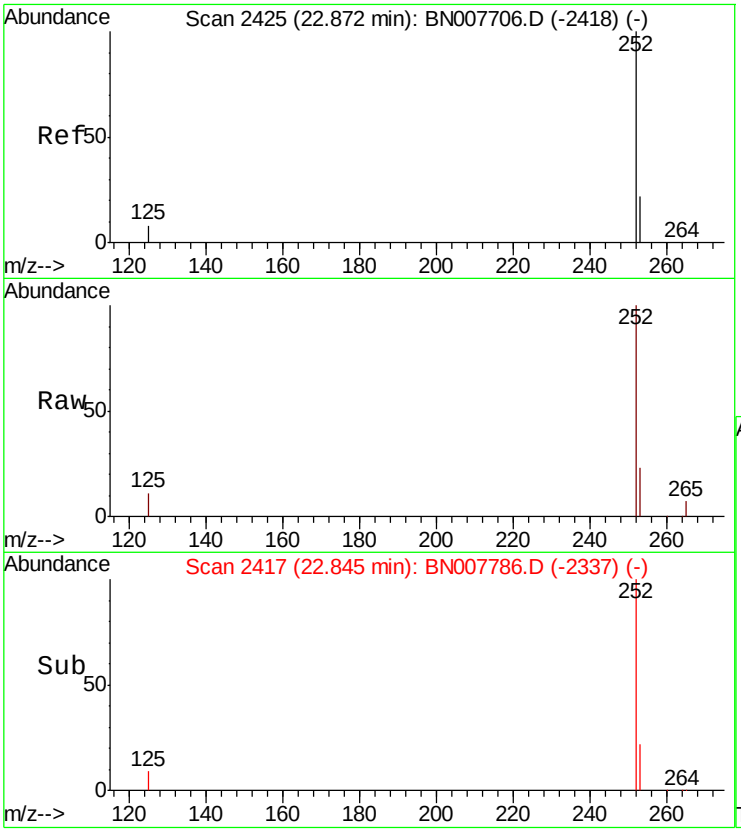


#35
Benzo(b)fluoranthene
Concen: 0.326 ng
RT: 22.80 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:252 Resp: 41311

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.3	27.5
125	10.2	8.2	12.4



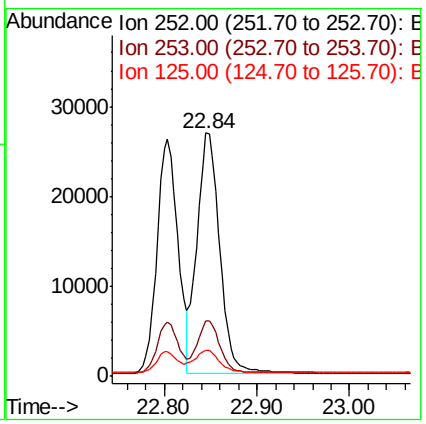


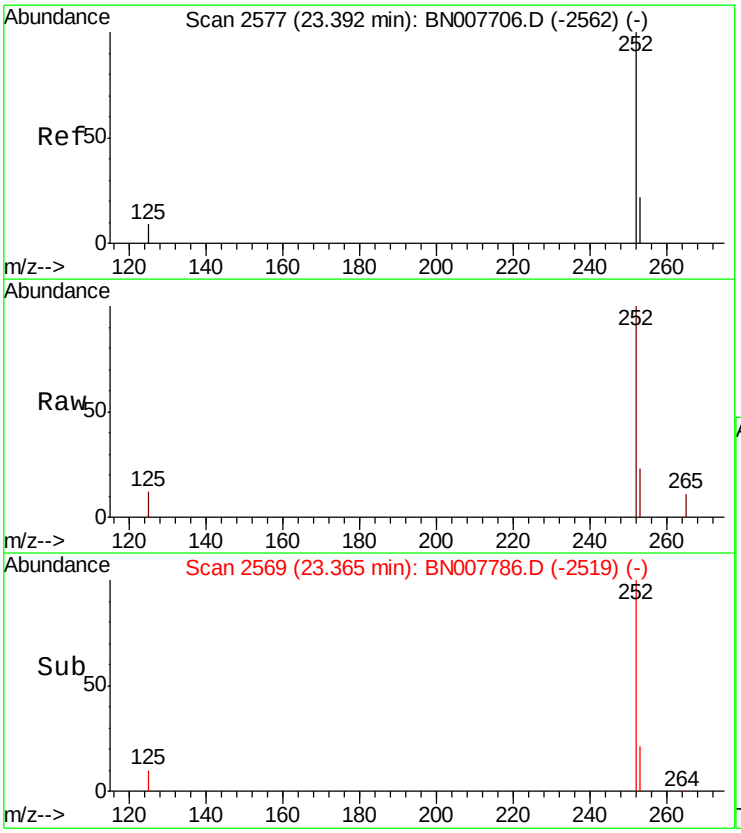
#36
Benzo(k)fluoranthene
Concen: 0.362 ng
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:252 Resp: 45452

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	10.9	8.4	12.6

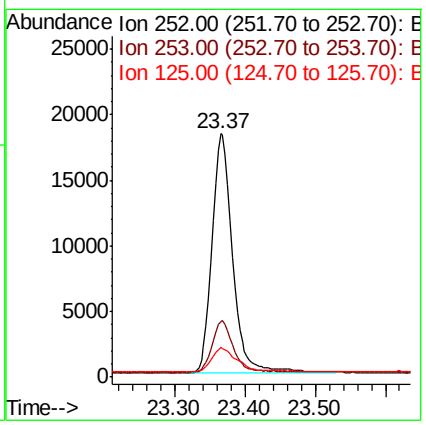


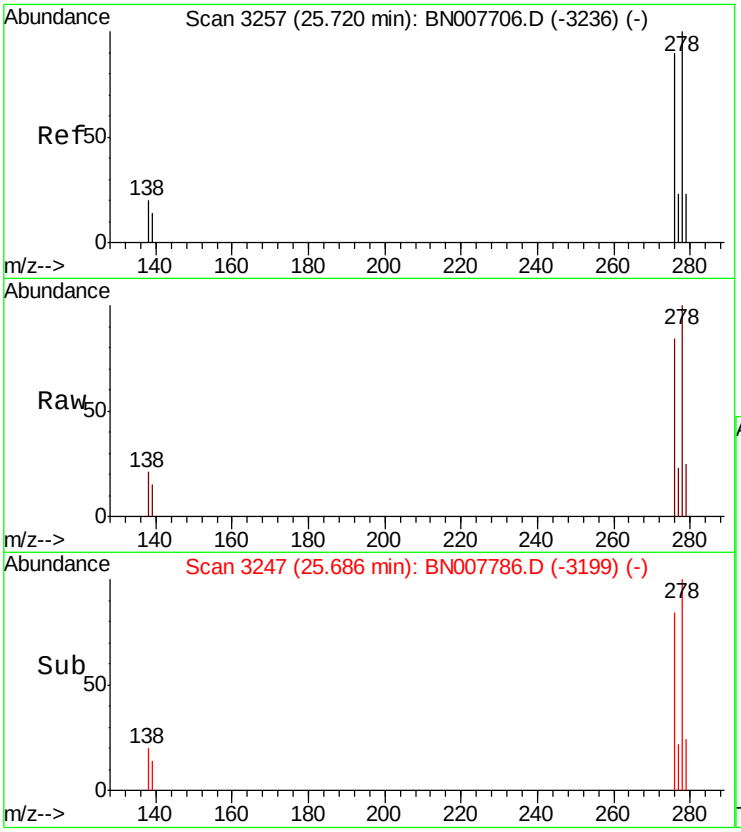


#37
Benzo(a)pyrene
Concen: 0.316 ng
RT: 23.37 min Scan# 2569
Delta R.T. -0.03 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:252 Resp: 37733

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	27.8
125	12.1	9.4	14.0



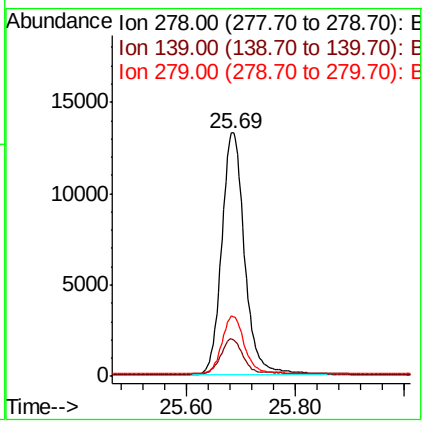


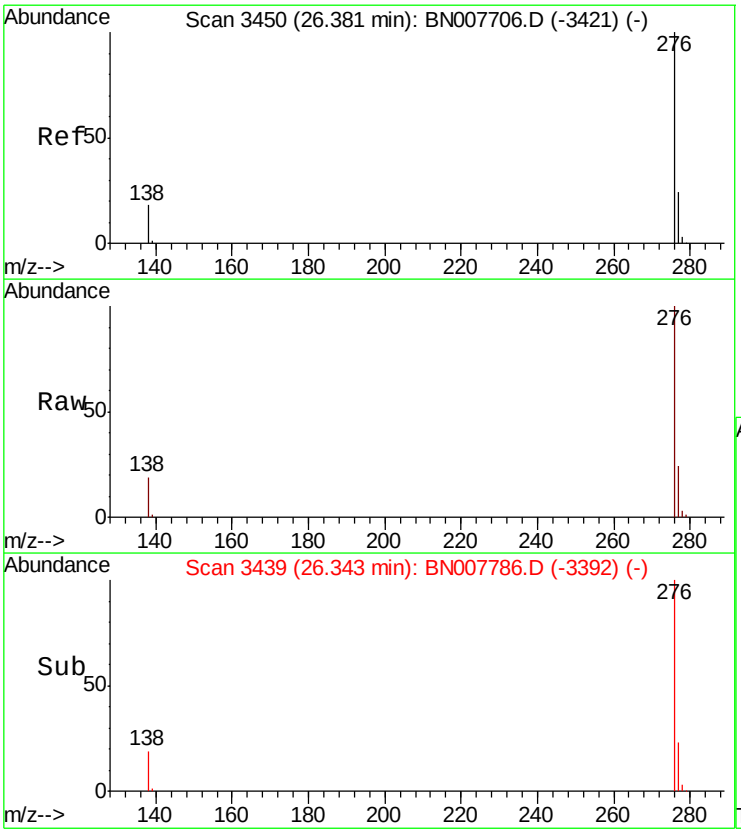
#38
Dibenzo(a,h)anthracene
Concen: 0.319 ng
RT: 25.69 min Scan# 3247
Delta R.T. -0.03 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Instrument :
BNA_N
ClientSampleId :
RE132D2-20190916MSD

Tgt Ion:278 Resp: 38972

Ion	Ratio	Lower	Upper
278	100		
139	15.1	11.8	17.6
279	24.6	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 0.325 ng
RT: 26.34 min Scan# 3439
Delta R.T. -0.04 min
Lab File: BN007786.D
Acq: 21 Sep 2019 05:29

Tgt Ion:276 Resp: 39200

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.8	29.8
138	19.3	15.1	22.7