Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
Data File : BN007161.D
Acq On : 14 Aug 2019 09:57
Operator : HP/JU
Sample : K4239-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-016-SW111-080519

Quant Time: Aug 14 13:14:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	8767	0.40	ng		0.00
6) Naphthalene-d8	10.19	136	34359	0.40	ng		0.00
12) Acenaphthene-d10	14.08	164	21441	0.40	ng		0.00
18) Phenanthrene-d10	16.82	188	44070	0.40	ng		0.00
26) Chrysene-d12	21.05	240	45217	0.40	ng		-0.01
32) Perylene-d12	23.16	264	55501	0.40	ng		0.00
System Monitoring Compounds							
3) 2-Fluorophenol	5.06	112	4770	0.23	ng		0.00
4) Phenol-d6	6.62	99	6296	0.24	ng		0.00
7) Nitrobenzene-d5	8.56	82	5124	0.18	ng		0.00
10) 2-Methylnaphthalene-d10	11.79	152	10296	0.16	ng		0.00
13) 2,4,6-Tribromophenol	15.57	330	2027	0.18	ng		0.00
14) 2-Fluorobiphenyl	12.71	172	2680	0.09	ng		0.00
24) Fluoranthene-d10	18.87	212	22432	0.14	ng		0.00
28) Terphenyl-d14	19.49	244	19196	0.16	ng		0.00
Target Compounds							Qvalue
8) Naphthalene	10.24	128	52071	0.540	ng		99
11) 2-Methylnaphthalene	11.87	142	69215	1.014	ng		99
15) Acenaphthylene	13.79	152	300304	2.680	ng		98
16) Acenaphthene	14.13	154	80296	1.119	ng		93
17) Fluorene	15.14	166	179708	1.673	ng	#	90
22) Phenanthrene	16.87	178	3754238	28.425	ng		99
23) Anthracene	16.96	178	504169	4.178	ng		98
25) Fluoranthene	18.90	202	3146853	18.626	ng		98
27) Pyrene	19.27	202	5337057	33.657	ng	#	95
29) Benzo(a)anthracene	21.03	228	2289737m	13.847	ng		
30) Chrysene	21.08	228	2428755	15.117	ng		96
31) Indeno(1,2,3-cd)pyrene	25.25	276	987723	5.578	ng		98
33) Benzo(b)fluoranthene	22.55	252	1941367m	10.201	ng		
34) Benzo(k)fluoranthene	22.58	252	664056m	3.533	ng		
35) Benzo(a)pyrene	23.08	252	1765431	10.232	ng		99
36) Dibenzo(a,h)anthracene	25.26	278	318705	1.851	ng	#	90
37) Benzo(g,h,i)perylene	25.88	276	1229010	6.940	ng		99

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

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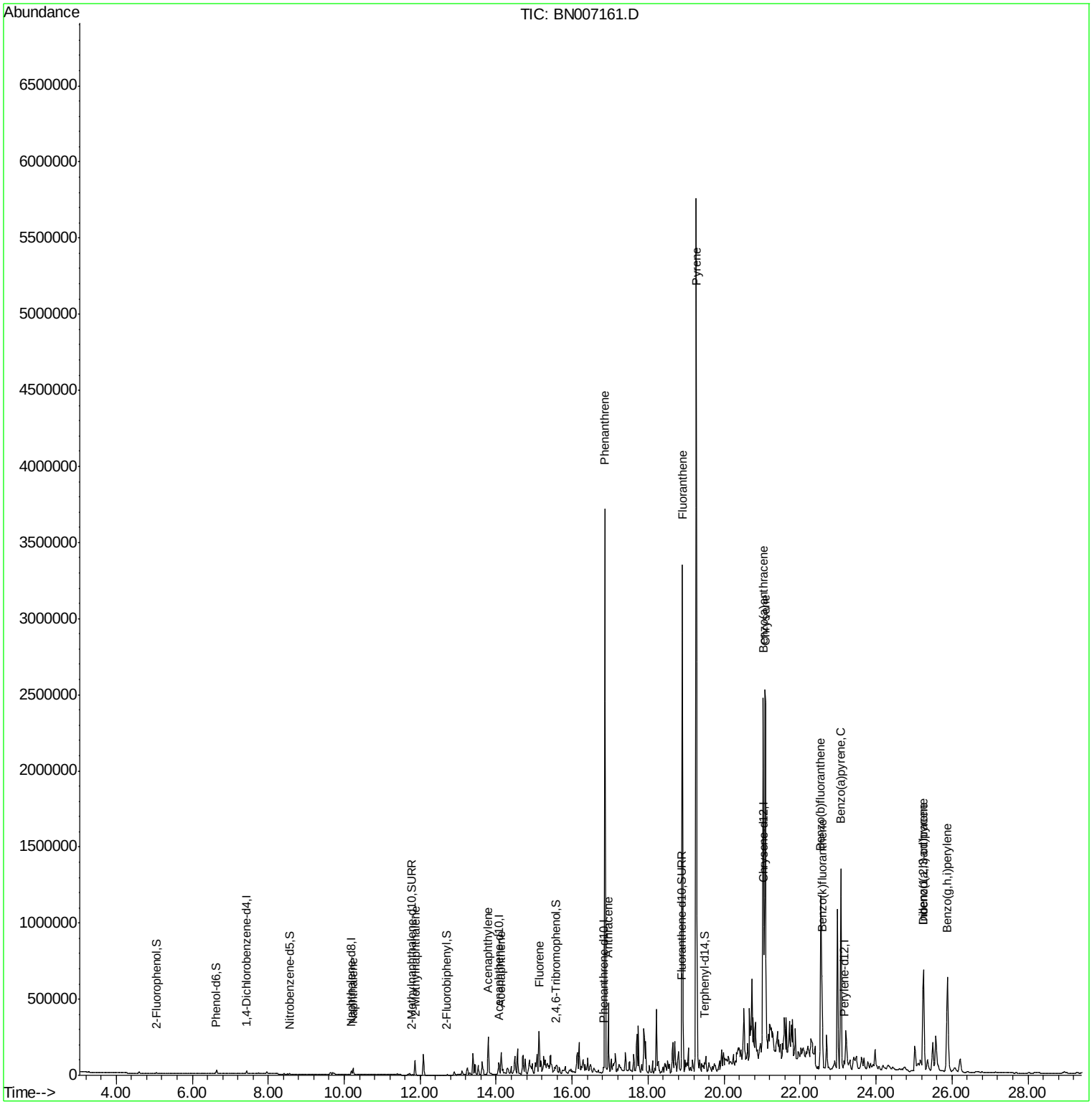
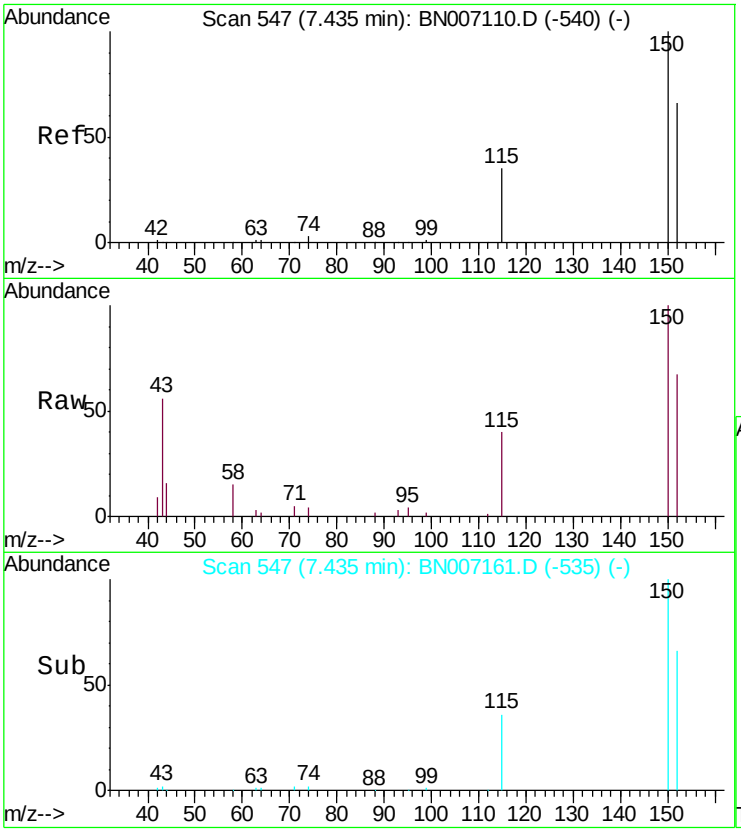


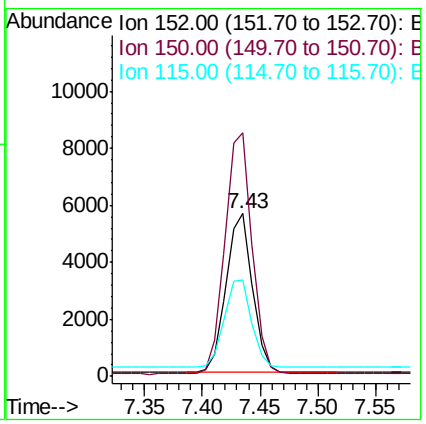


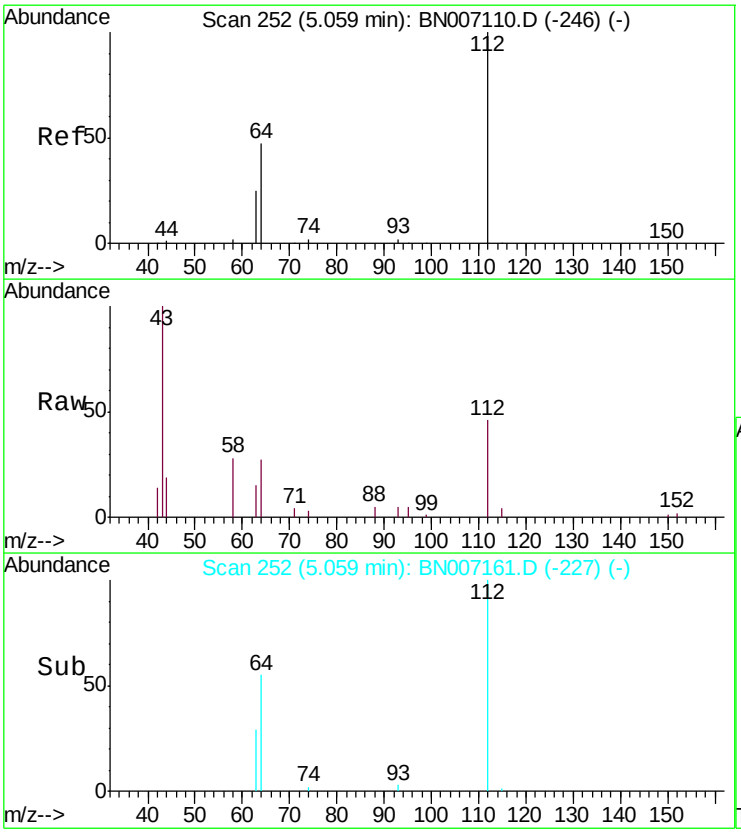
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:152 Resp: 8767

Ion	Ratio	Lower	Upper
152	100		
150	149.8	121.7	182.5
115	59.3	46.2	69.4

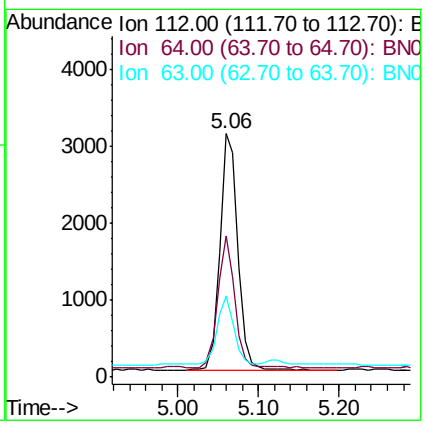


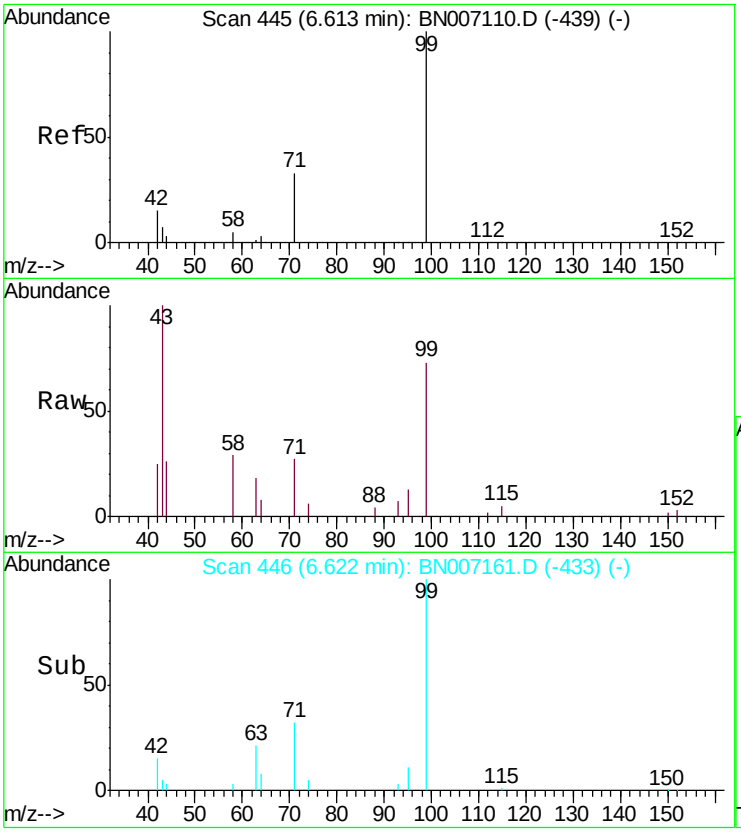


#3
2-Fluorophenol
Concen: 0.226 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:112 Resp: 4770

Ion	Ratio	Lower	Upper
112	100		
64	53.0	42.6	63.8
63	27.3	22.2	33.2



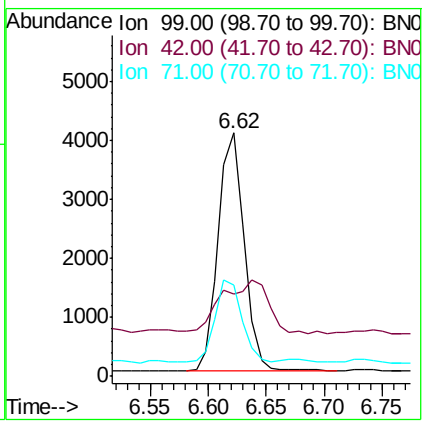


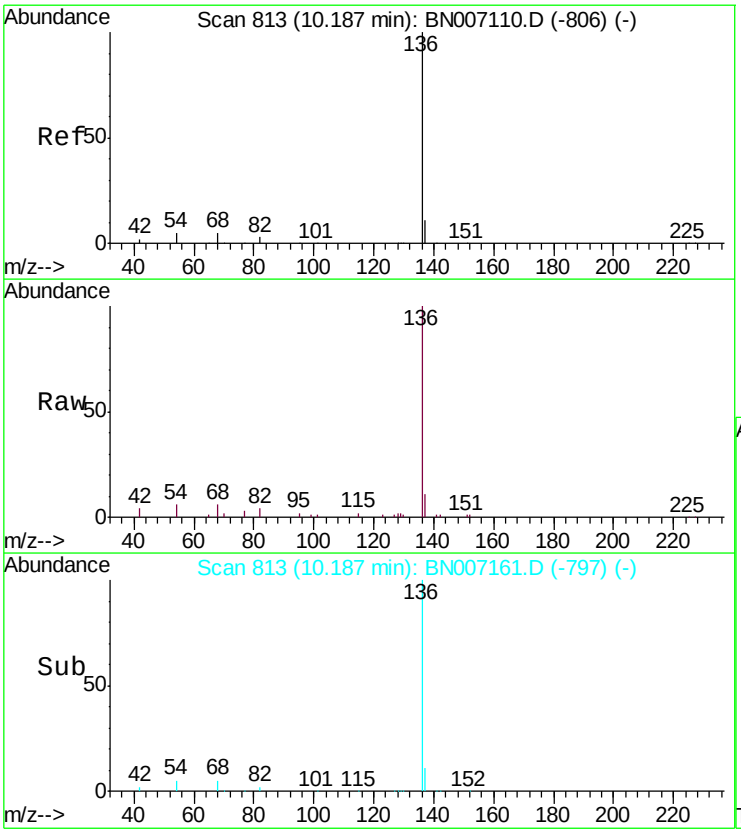
#4
Phenol-d6
Concen: 0.241 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion: 99 Resp: 6296

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.8	23.6#
71	35.8	27.0	40.4

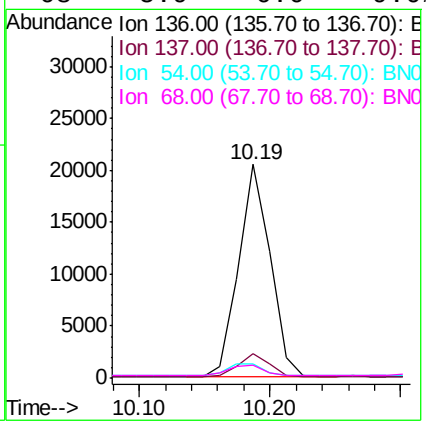


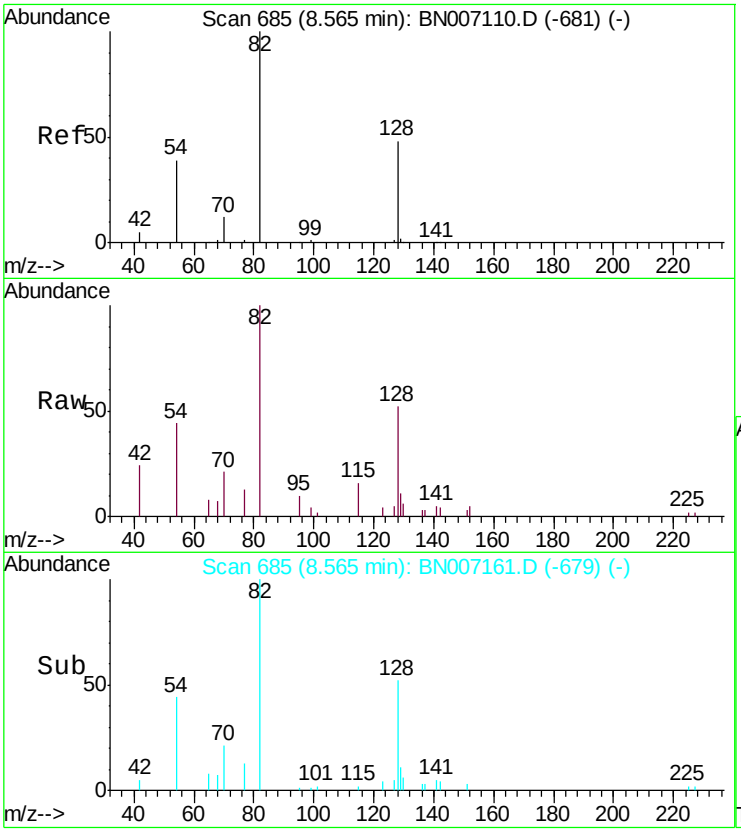


#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:136 Resp: 34359

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	6.4	6.6	9.8#
68	5.9	6.0	9.0#



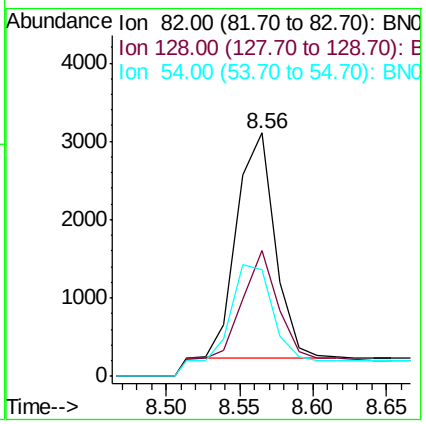


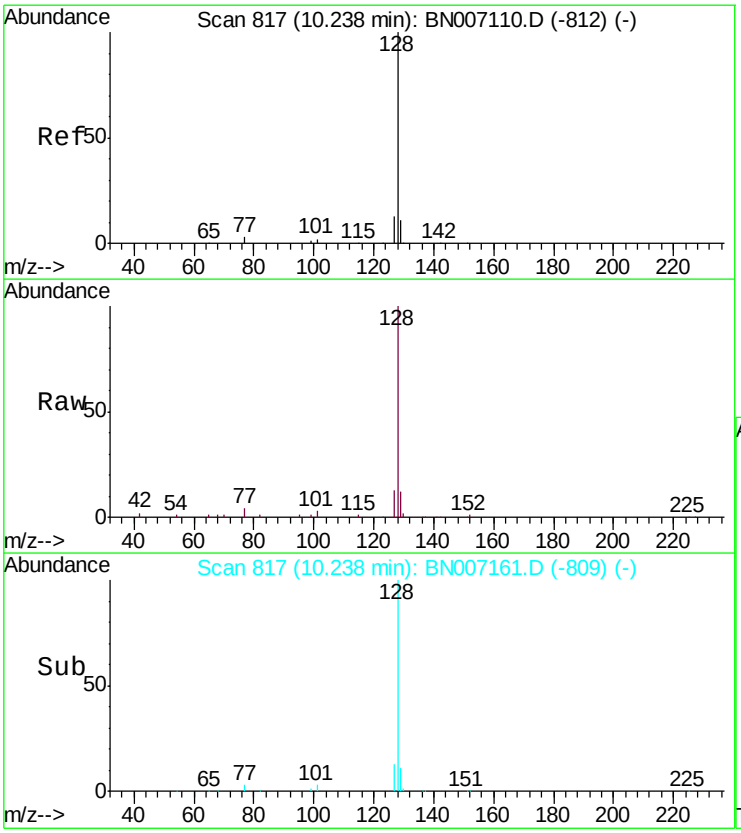
#7
Nitrobenzene-d5
Concen: 0.185 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion: 82 Resp: 5124

Ion	Ratio	Lower	Upper
82	100		
128	51.6	34.6	51.8
54	43.9	36.2	54.4

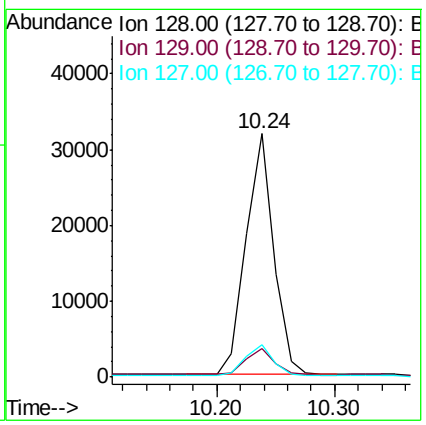


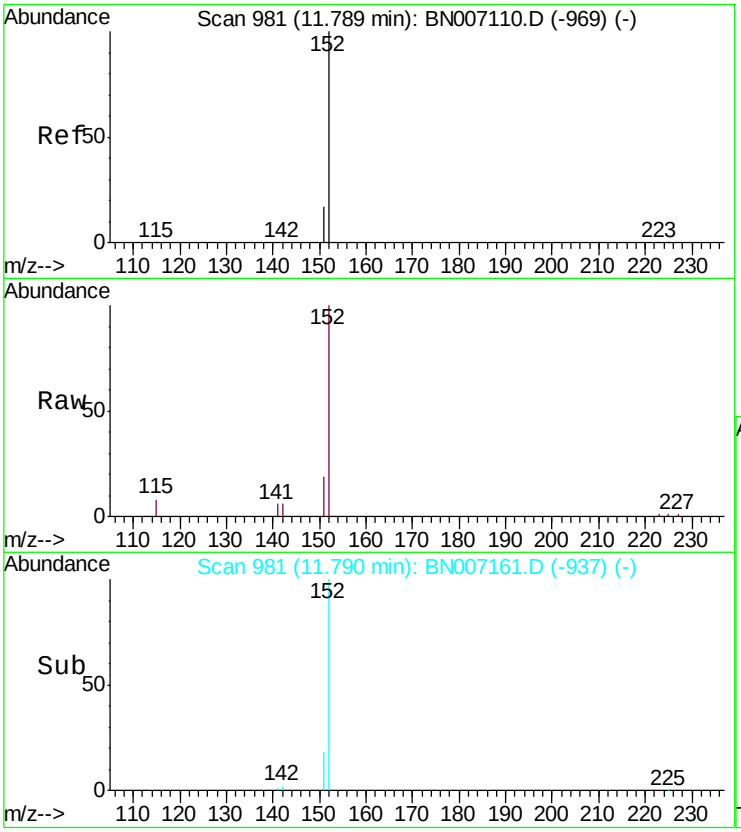


#8
Naphthalene
Concen: 0.540 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:128 Resp: 52071

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.2
127	13.3	11.0	16.6



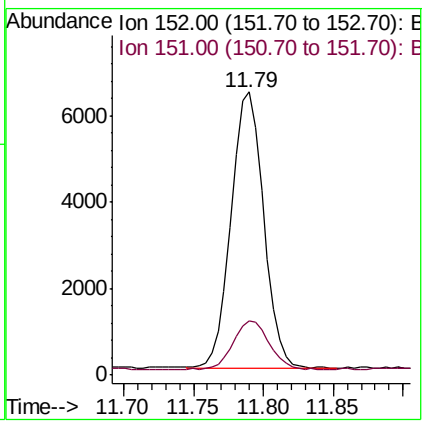


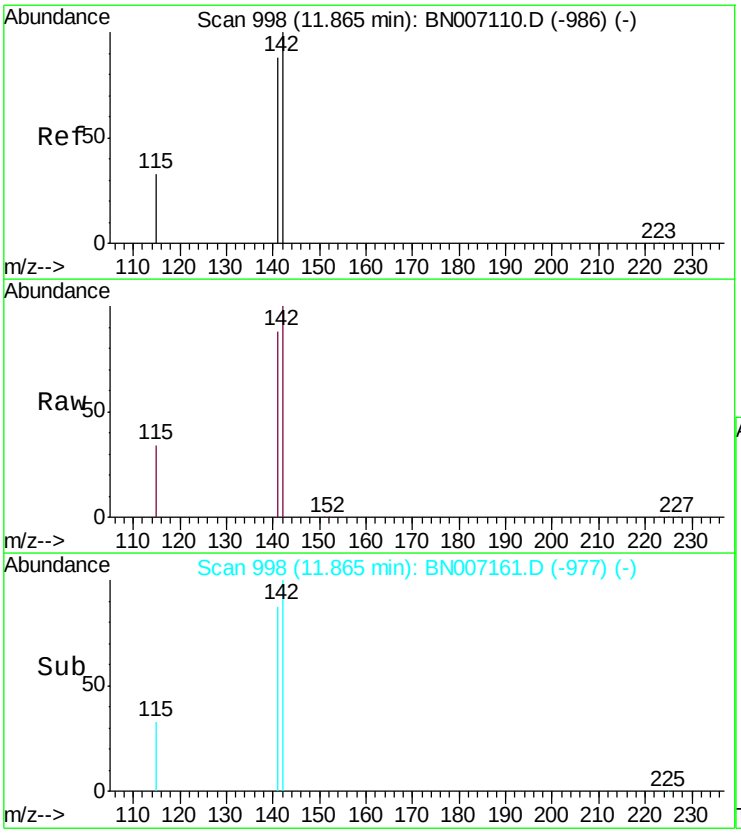
#10
2-Methylnaphthalene-d10
Concen: 0.161 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:152 Resp: 10296

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3

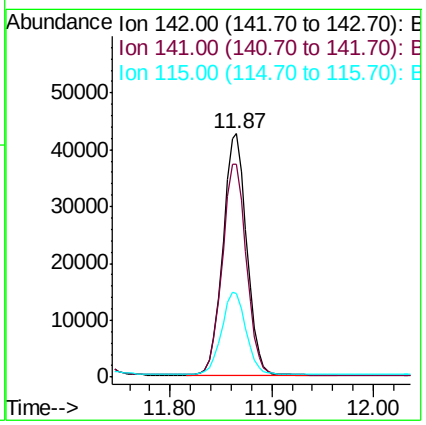


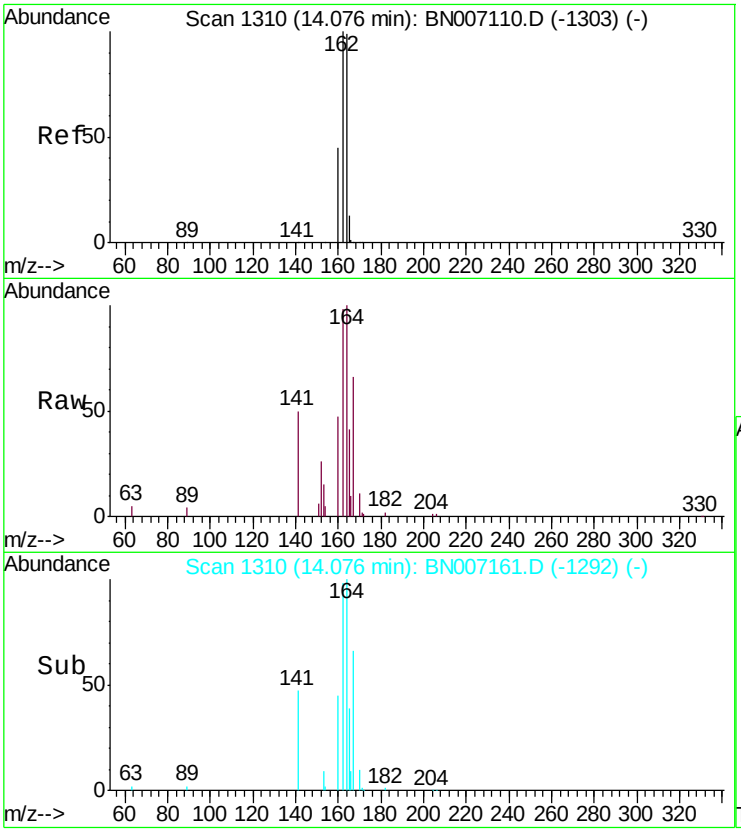


#11
2-Methylnaphthalene
Concen: 1.014 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:142 Resp: 69215

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.0	103.6
115	34.4	27.1	40.7



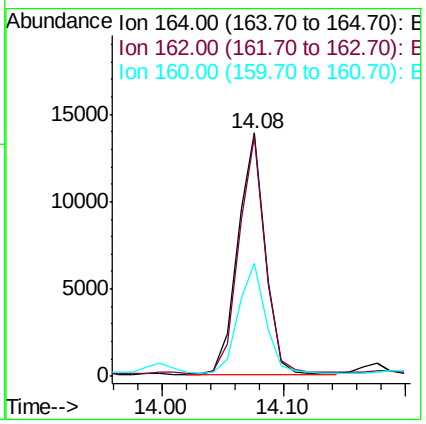


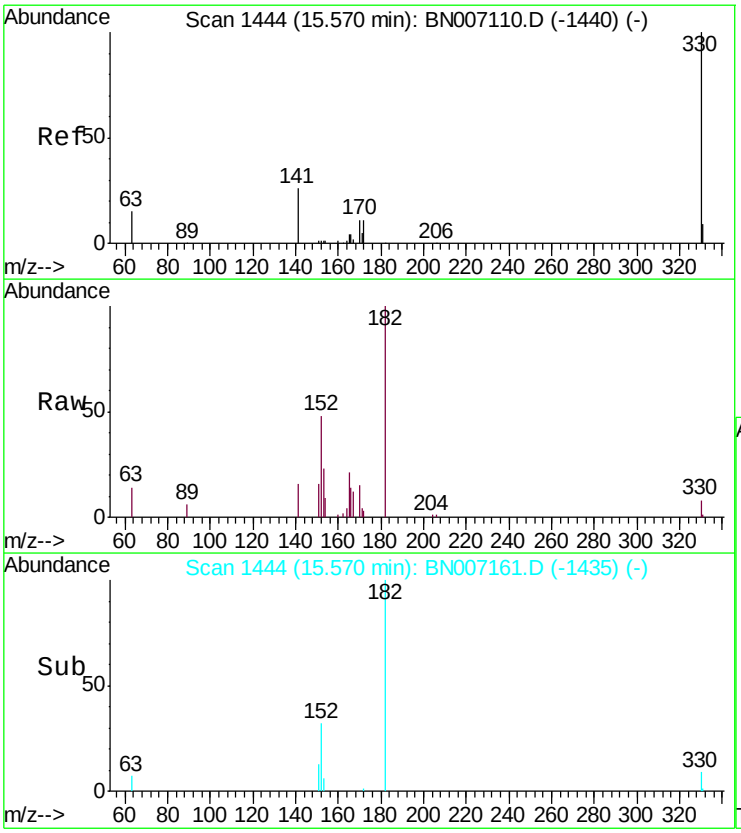
#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:164 Resp: 21441

Ion	Ratio	Lower	Upper
164	100		
162	98.5	82.2	123.4
160	46.6	38.3	57.5

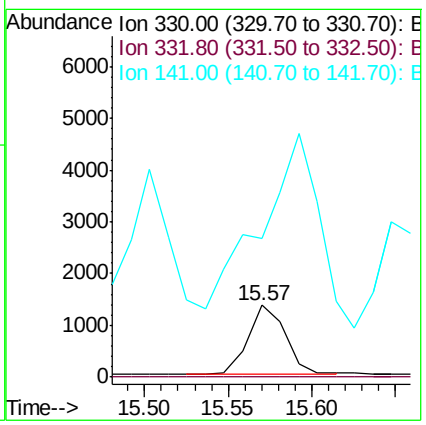


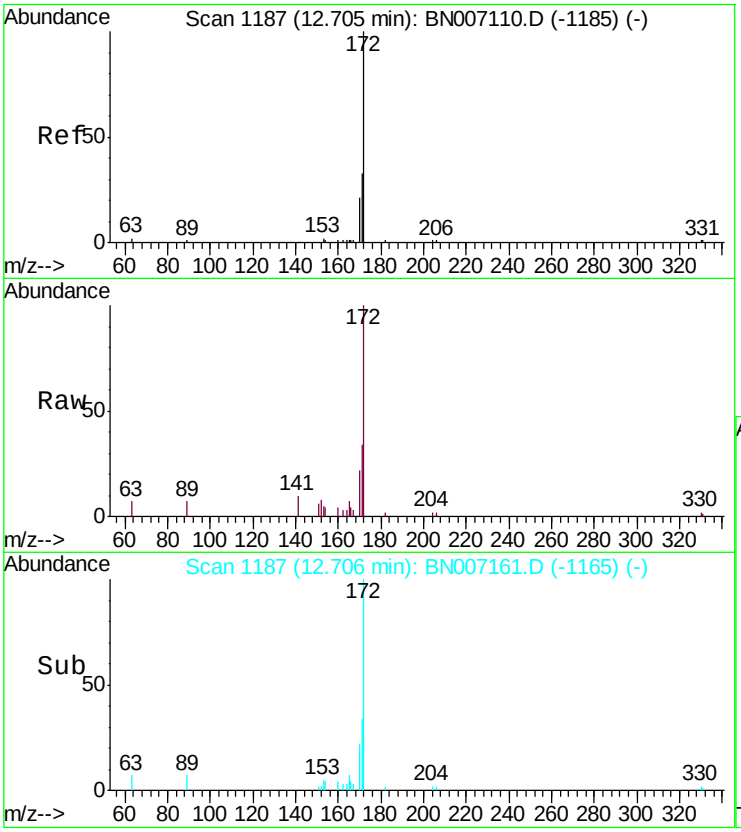


#13
2,4,6-Tribromophenol
Concen: 0.176 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:330 Resp: 2027

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	0.0	33.6	50.4#



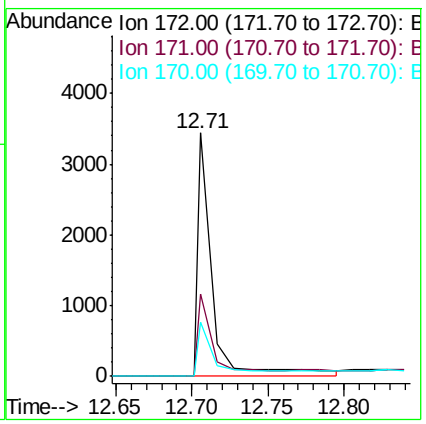


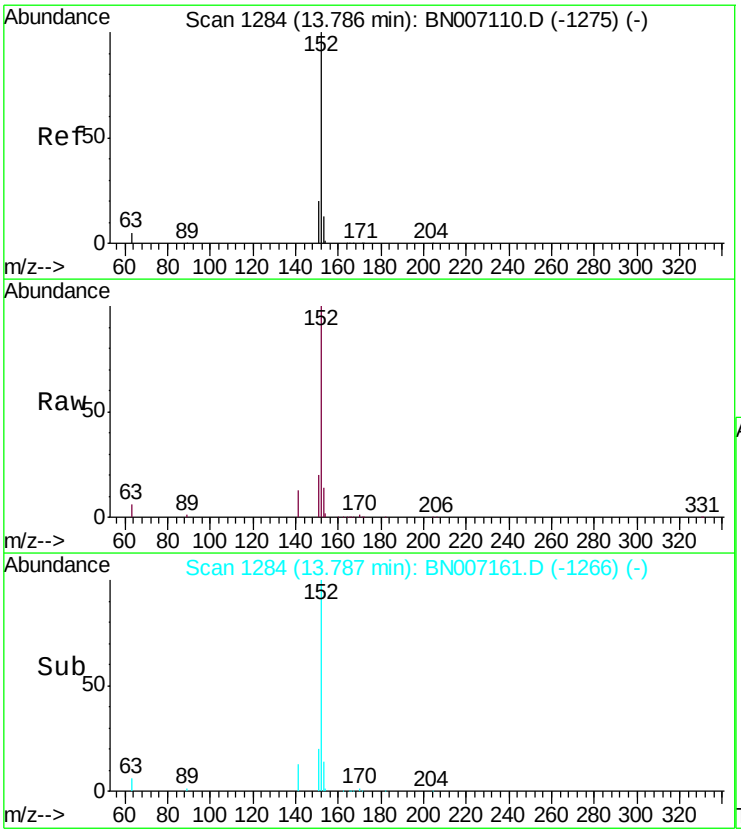
#14
2-Fluorobiphenyl
Concen: 0.086 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:172 Resp: 2680

Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.3	39.5
170	22.2	17.0	25.4

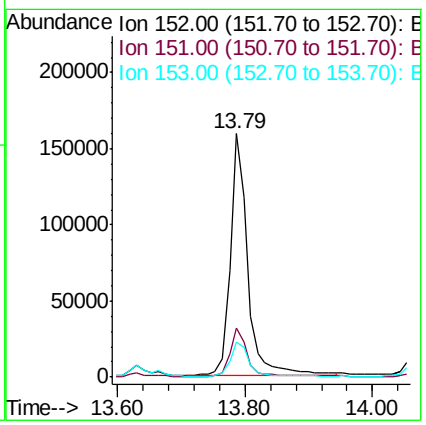


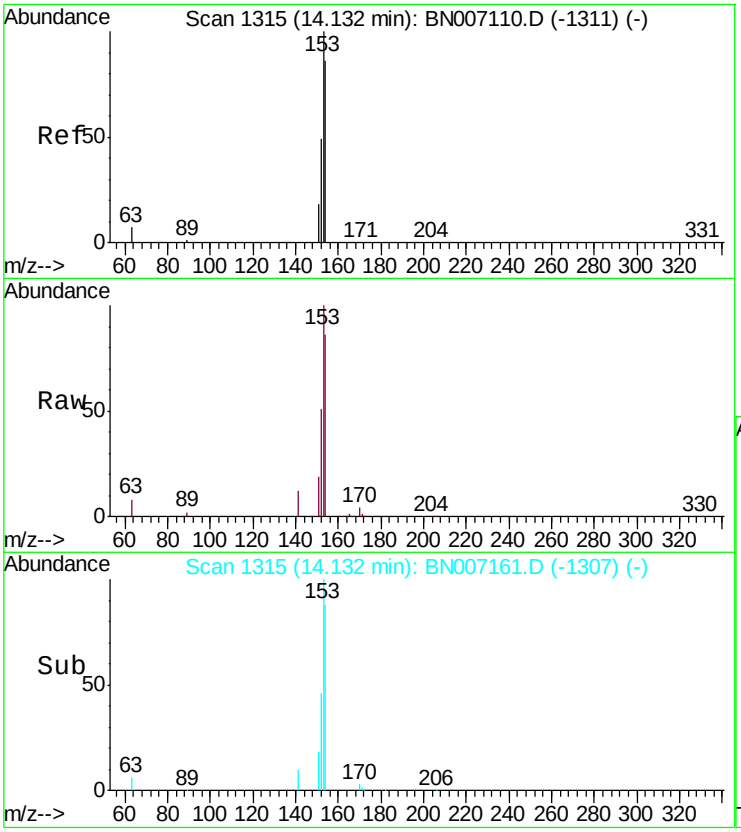


#15
Acenaphthylene
Concen: 2.680 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:152 Resp: 300304

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	15.0	10.4	15.6



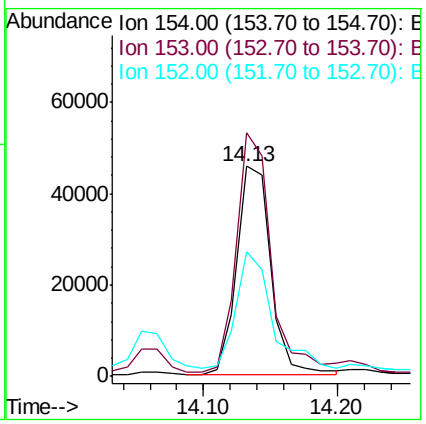


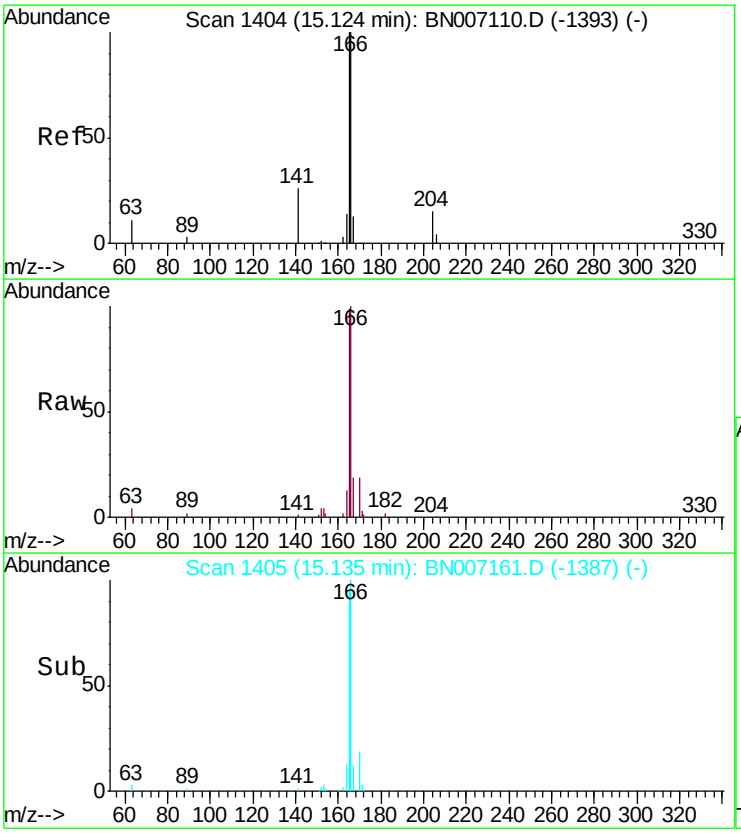
#16
Acenaphthene
Concen: 1.119 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:154 Resp: 80296

Ion	Ratio	Lower	Upper
154	100		
153	122.3	89.5	134.3
152	57.7	44.8	67.2

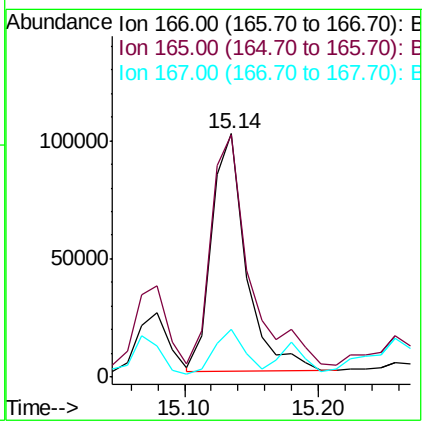


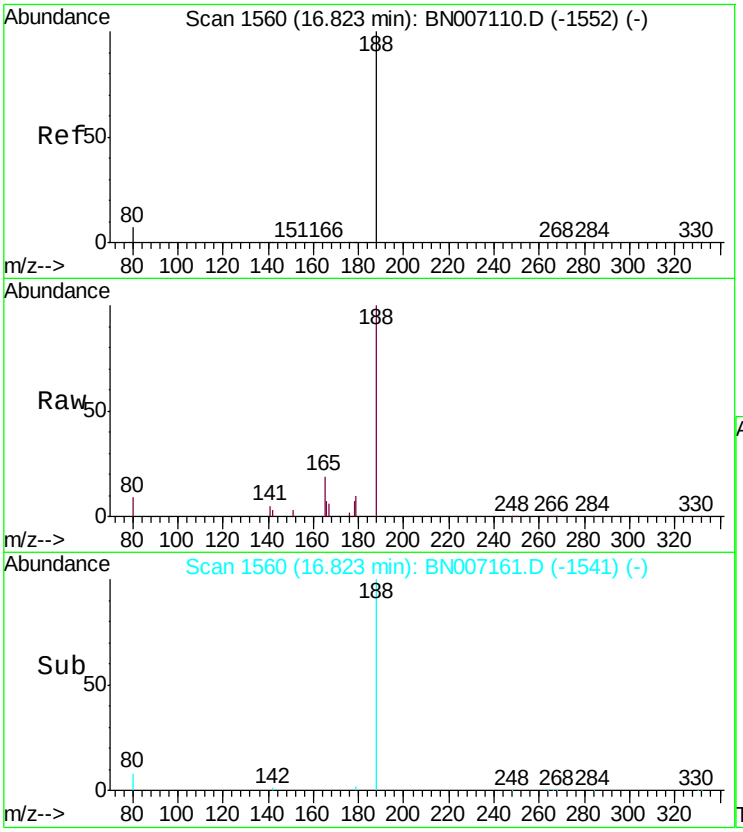


#17
Fluorene
Concen: 1.673 ng
RT: 15.14 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:166 Resp: 179708

Ion	Ratio	Lower	Upper
166	100		
165	107.4	77.9	116.9
167	17.0	10.9	16.3#



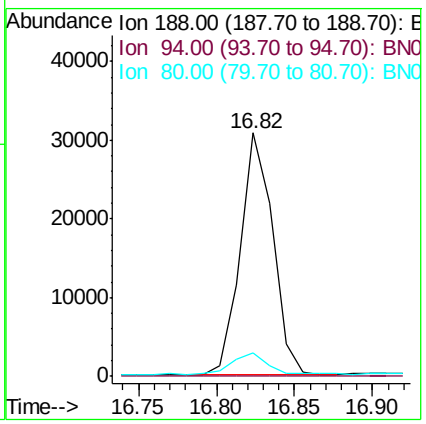


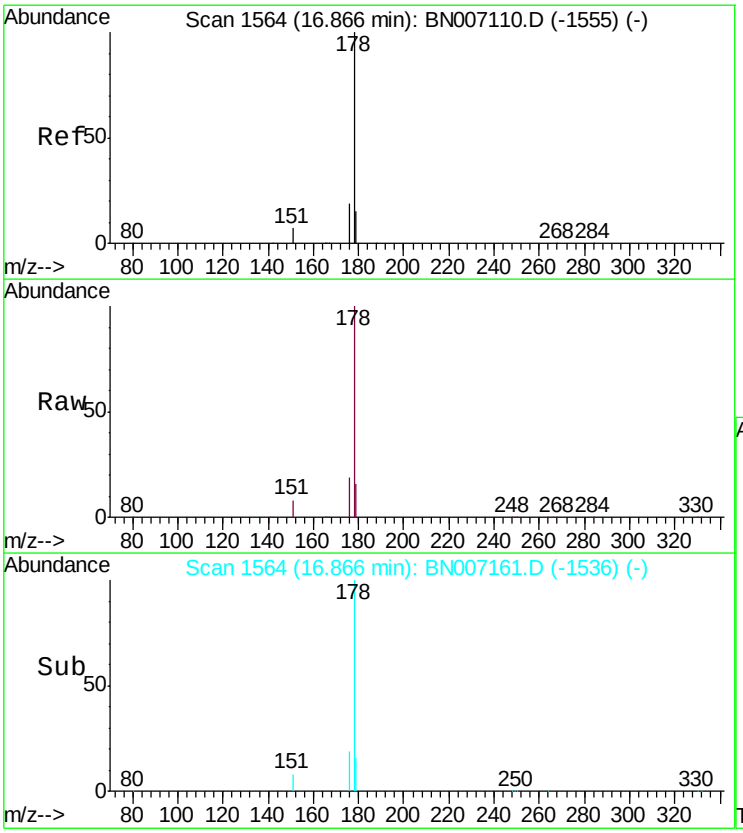
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:188 Resp: 44070

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.8	11.6

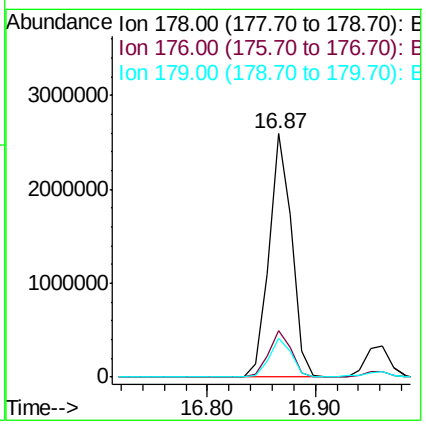


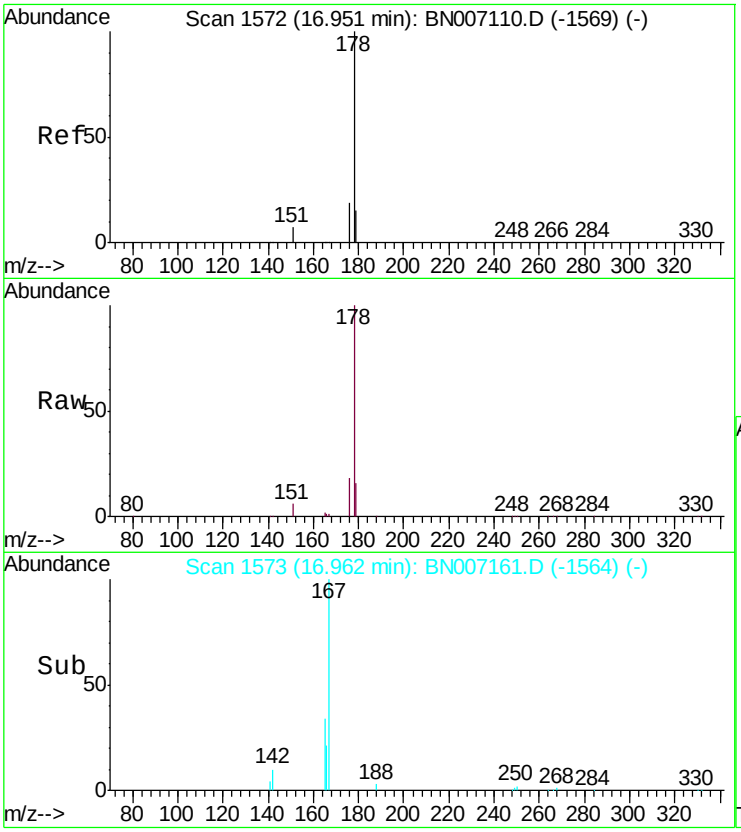


#22
Phenanthrene
Concen: 28.425 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:178 Resp: 3754238

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	16.1	12.3	18.5



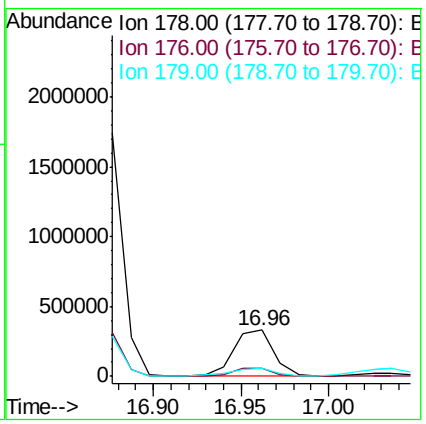


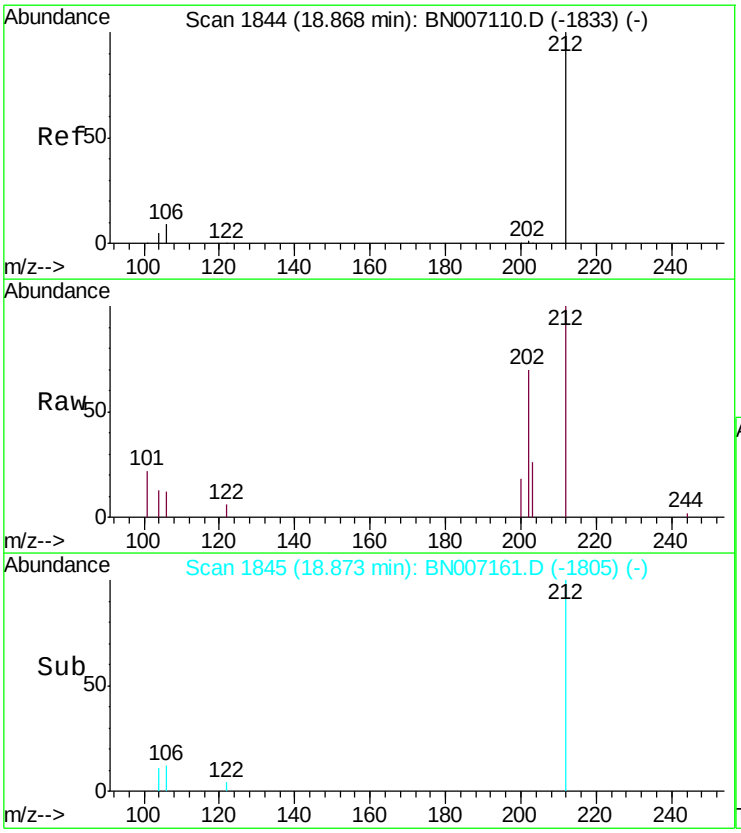
#23
Anthracene
Concen: 4.178 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:178 Resp: 504169

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	17.4	12.5	18.7

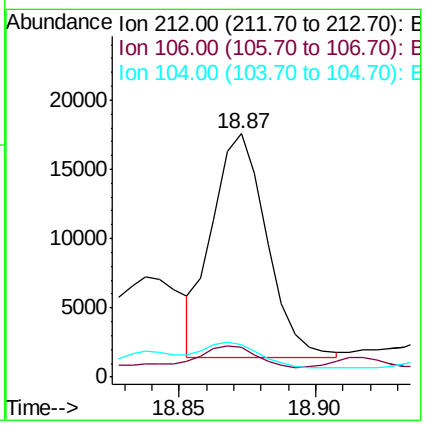


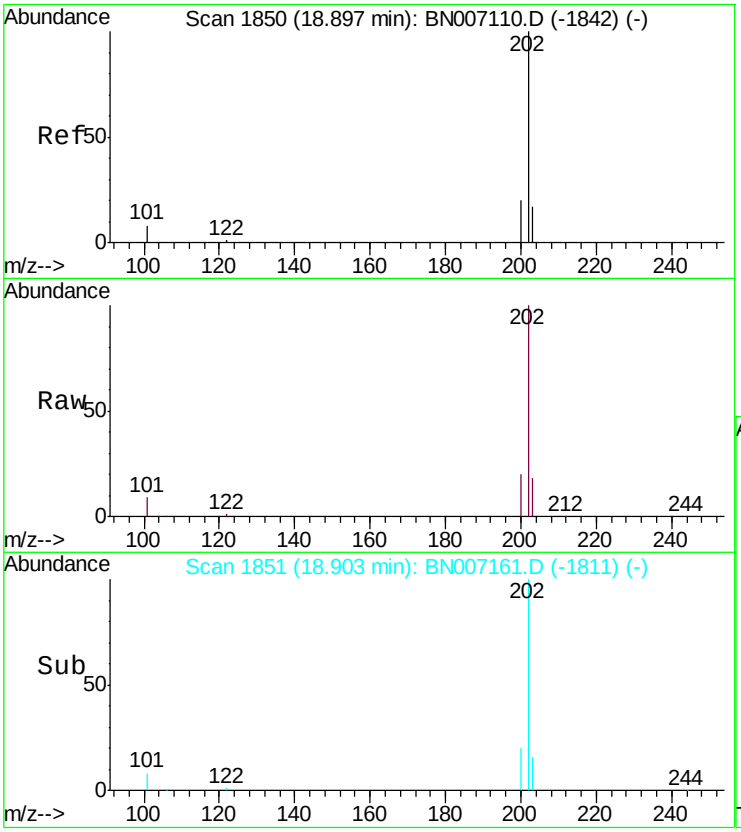


#24
Fluoranthene-d10
Concen: 0.144 ng
RT: 18.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:212 Resp: 22432

Ion	Ratio	Lower	Upper
212	100		
106	12.2	8.2	12.2
104	12.2	4.5	6.7#



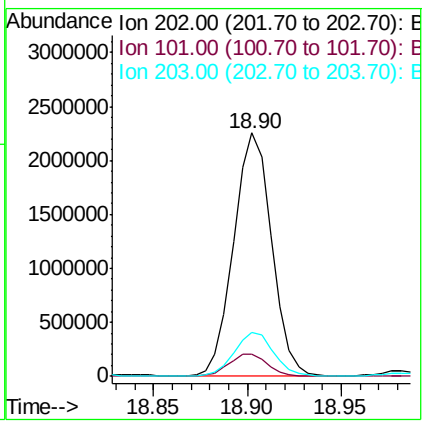


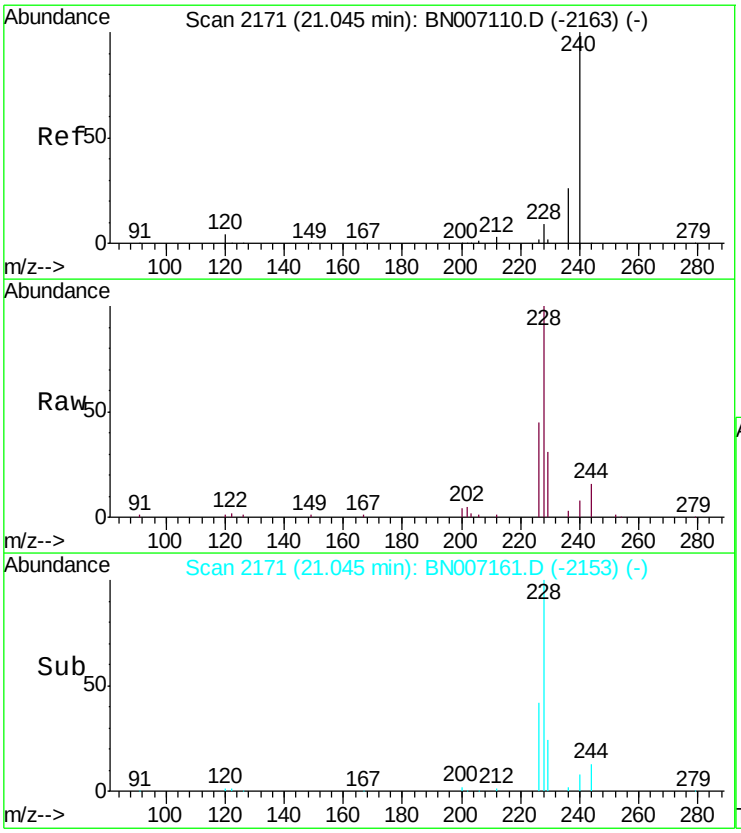
#25
Fluoranthene
Concen: 18.626 ng
RT: 18.90 min Scan# 1851
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:202 Resp: 3146853

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.0	10.4
203	18.4	13.8	20.8

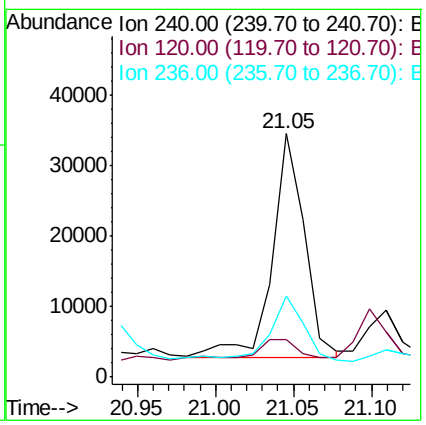


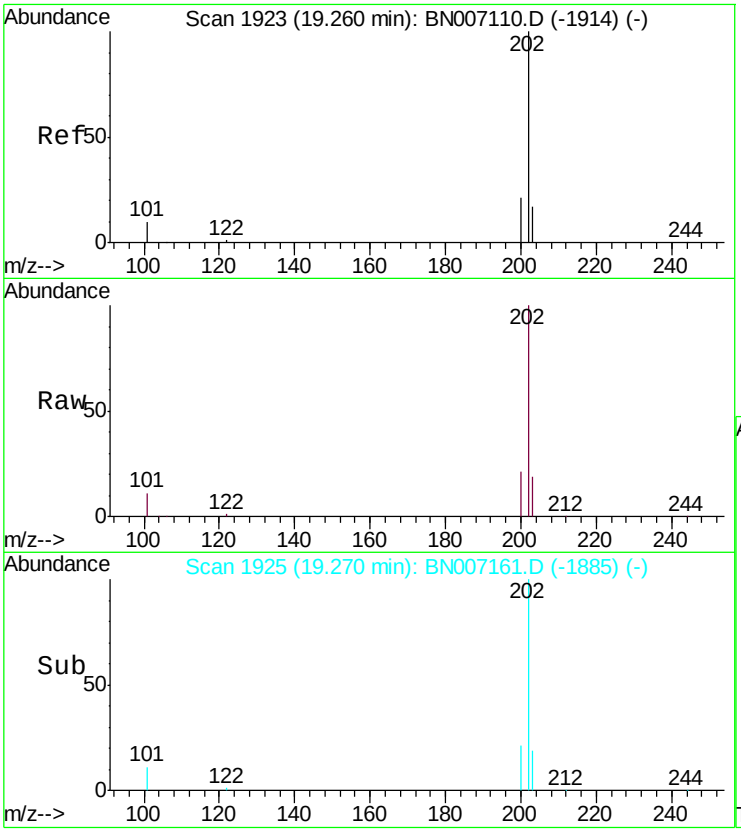


#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:240 Resp: 45217

Ion	Ratio	Lower	Upper
240	100		
120	15.3	4.0	6.0#
236	33.3	21.3	31.9#



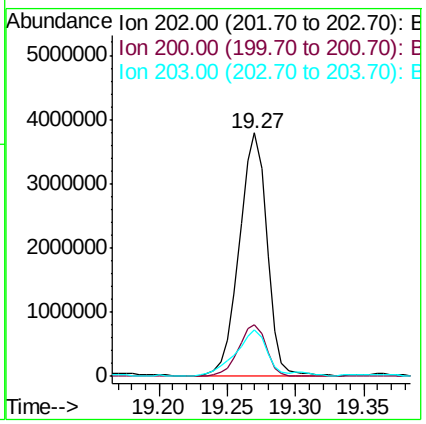


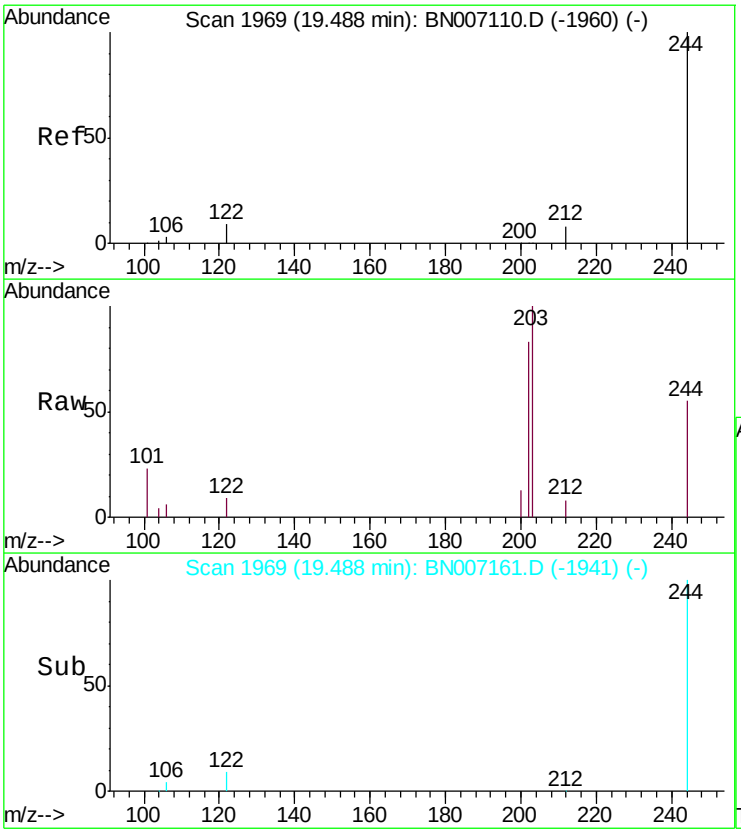
#27
Pyrene
Concen: 33.657 ng
RT: 19.27 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:202 Resp: 5337057

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	24.8
203	21.6	14.0	21.0#

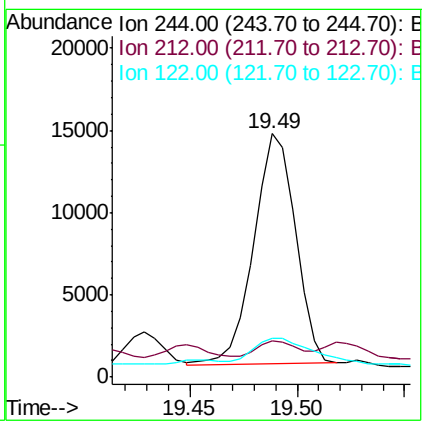


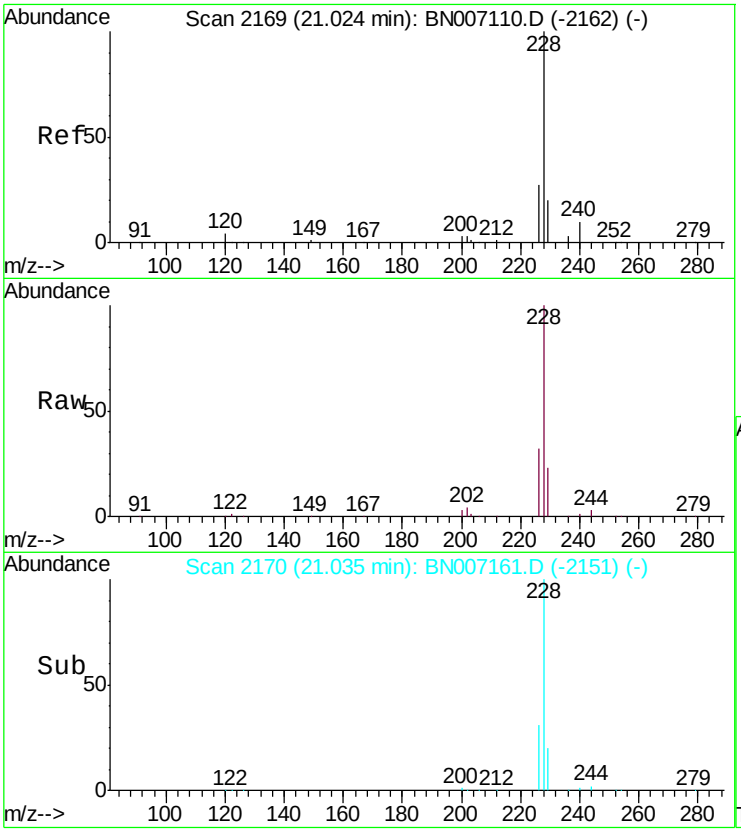


#28
Terphenyl-d14
Concen: 0.156 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:244 Resp: 19196

Ion	Ratio	Lower	Upper
244	100		
212	14.8	6.2	9.2#
122	16.0	7.4	11.2#



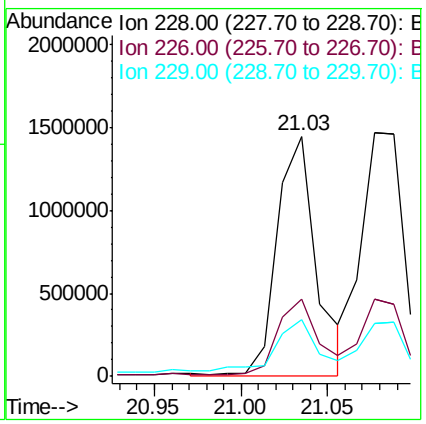


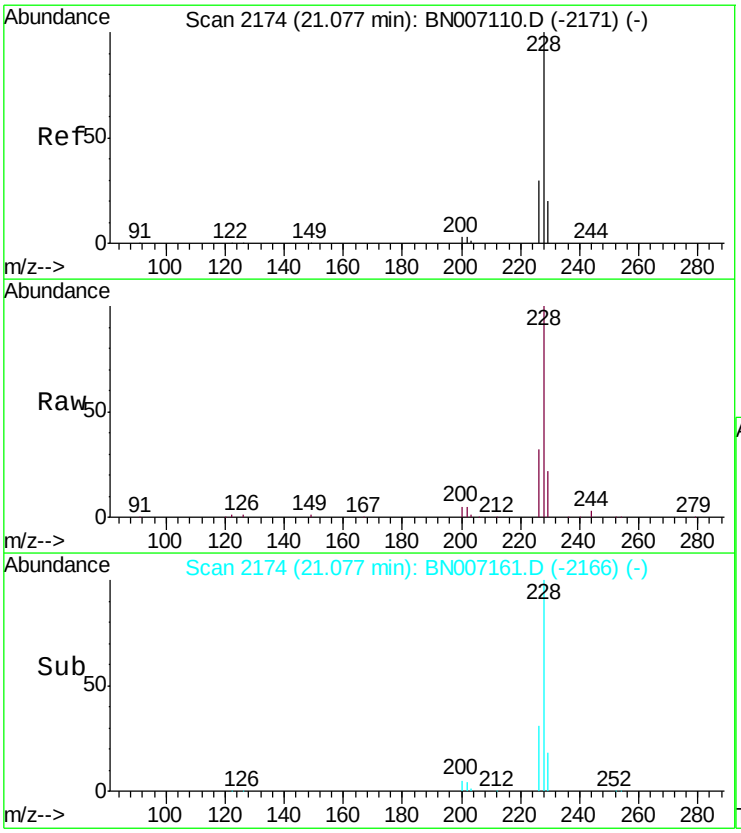
#29
Benzo(a)anthracene
Concen: 13.847 ng m
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:228 Resp: 2289737

Ion	Ratio	Lower	Upper
228	100		
226	32.3	21.8	32.6
229	23.4	15.6	23.4#

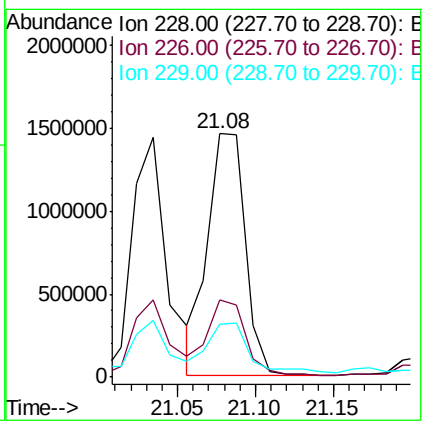


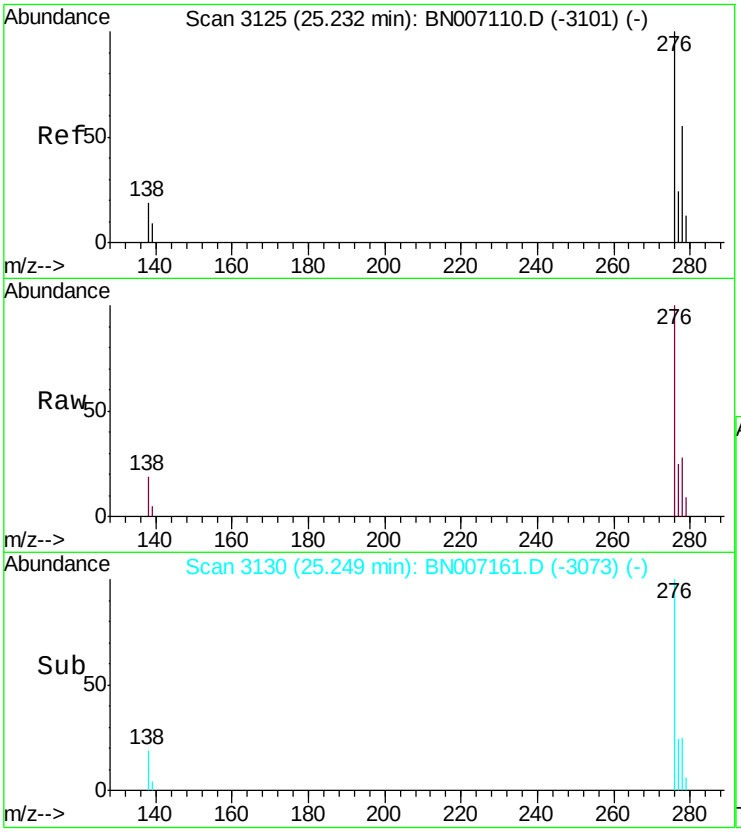


#30
Chrysene
Concen: 15.117 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:228 Resp: 2428755

Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.8	35.6
229	21.9	15.7	23.5



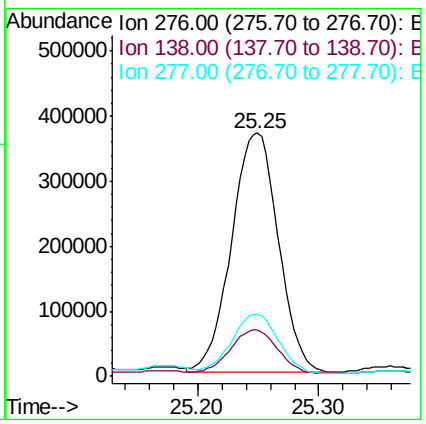


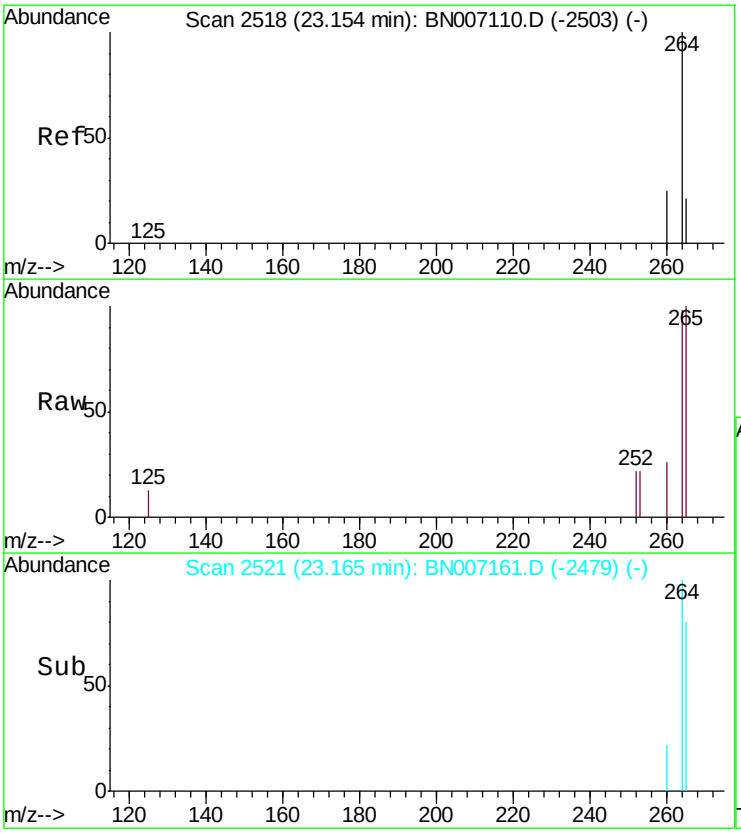
#31
Indeno(1,2,3-cd)pyrene
Concen: 5.578 ng
RT: 25.25 min Scan# 3130
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:276 Resp: 987723

Ion	Ratio	Lower	Upper
276	100		
138	18.7	16.0	24.0
277	25.2	19.9	29.9

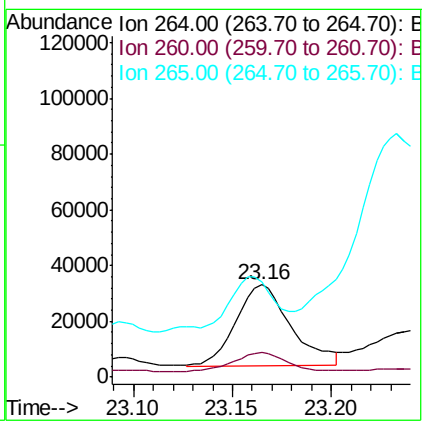


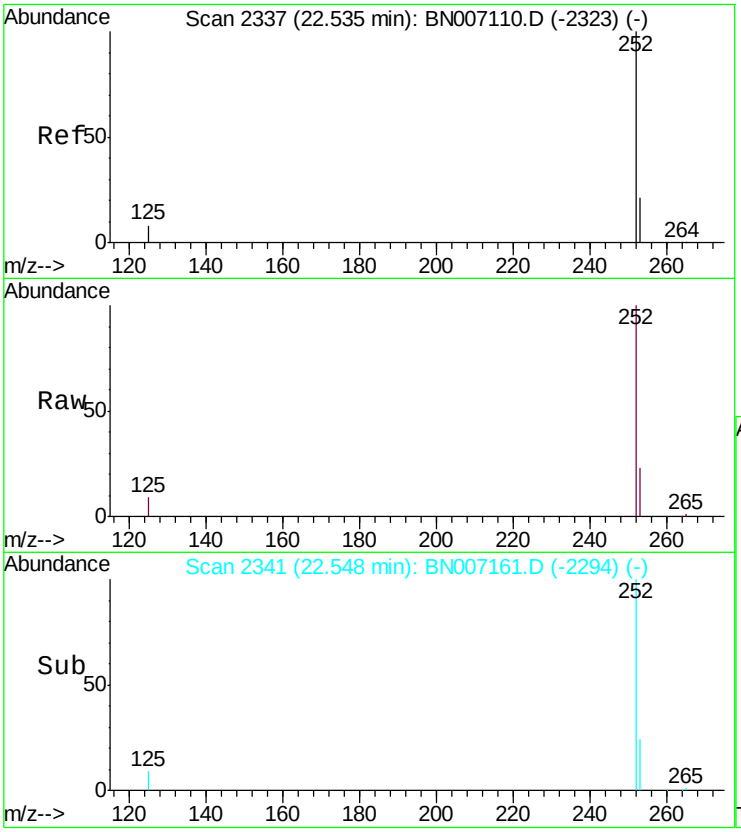


#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:264 Resp: 55501

Ion	Ratio	Lower	Upper
264	100		
260	26.9	19.8	29.8
265	102.4	26.2	39.4#



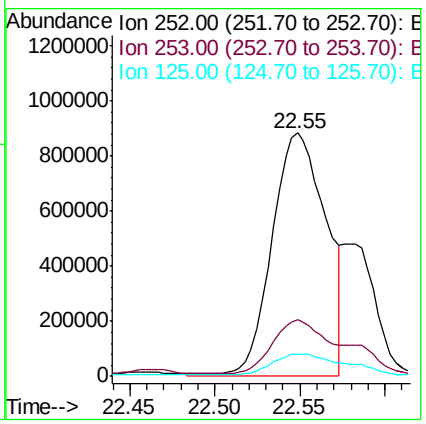


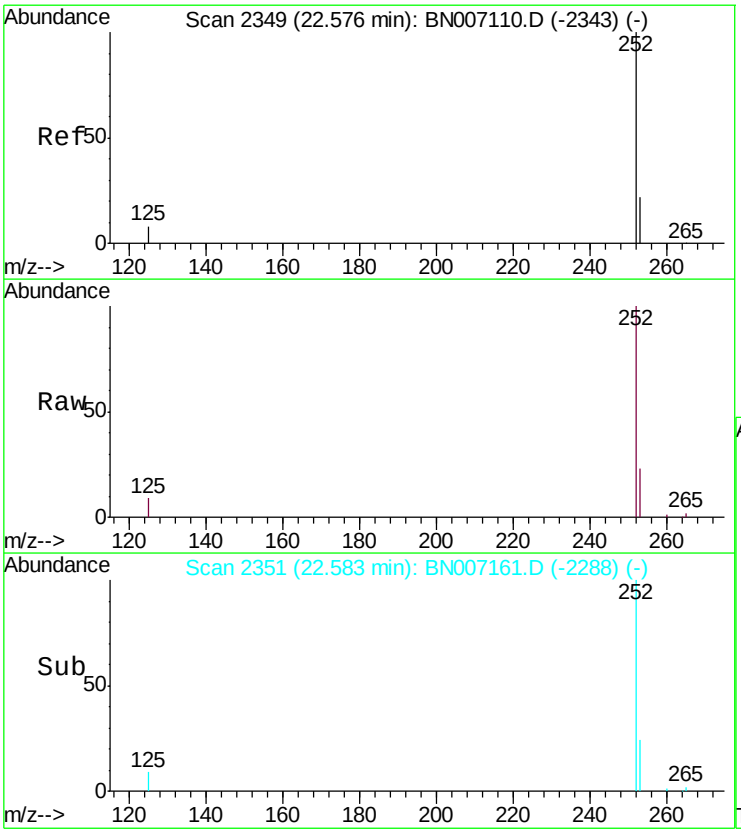
#33
Benzo(b)fluoranthene
Concen: 10.201 ng m
RT: 22.55 min Scan# 2341
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:252 Resp: 1941367

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.3	7.4	11.0

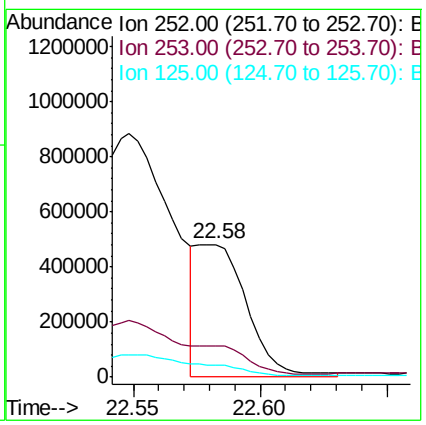


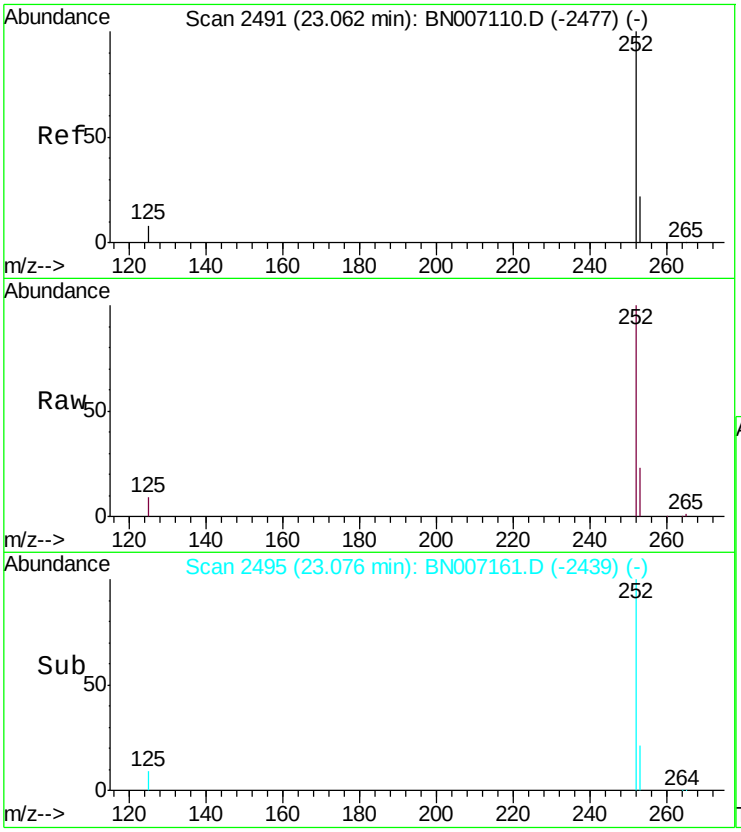


#34
Benzo(k)fluoranthene
Concen: 3.533 ng m
RT: 22.58 min Scan# 2351
Delta R.T. -0.01 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:252 Resp: 664056

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	9.1	7.4	11.0



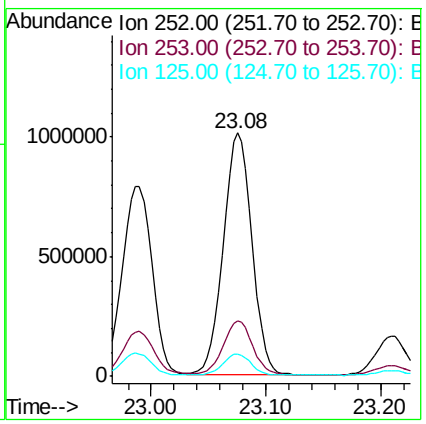


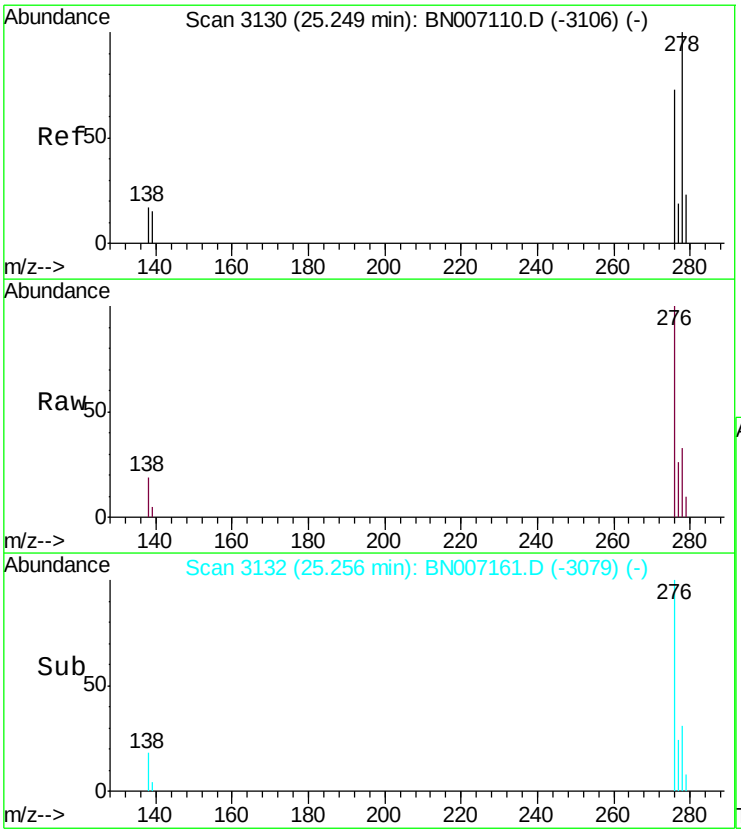
#35
Benzo(a)pyrene
Concen: 10.232 ng
RT: 23.08 min Scan# 2495
Delta R.T. -0.01 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:252 Resp: 1765431

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.5	27.7
125	9.3	8.2	12.4

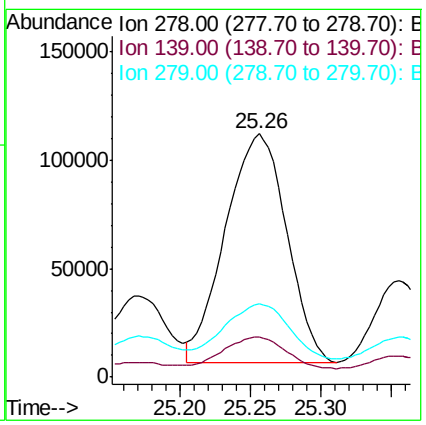


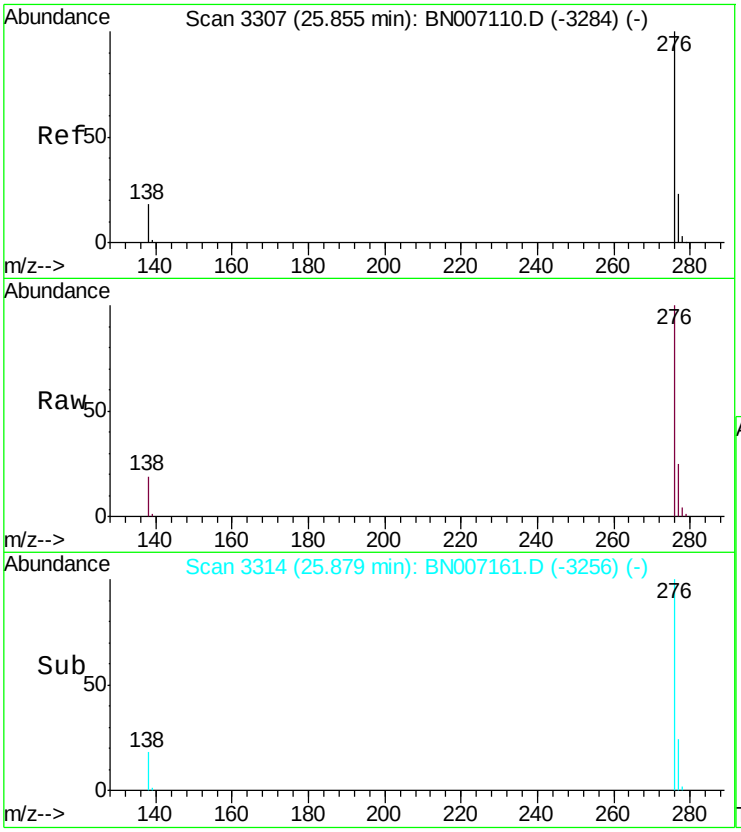


#36
Dibenzo(a,h)anthracene
Concen: 1.851 ng
RT: 25.26 min Scan# 3132
Delta R.T. -0.02 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Tgt Ion:278 Resp: 318705

Ion	Ratio	Lower	Upper
278	100		
139	16.5	11.3	16.9
279	30.0	19.3	28.9#





#37
Benzo(g,h,i)perylene
Concen: 6.940 ng
RT: 25.88 min Scan# 3314
Delta R.T. -0.00 min
Lab File: BN007161.D
Acq: 14 Aug 2019 09:57

Instrument :
BNA_N
ClientSampleId :
PST-016-SW111-080519

Tgt Ion:276 Resp: 1229010

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.8	29.8
138	18.7	14.6	22.0