Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
Data File : BN008018.D
Acq On : 04 Oct 2019 23:57
Operator : JU
Sample : K5078-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : PST-024-B282-092619

Manual Integrations APPROVED
mohammad
10/7/2019 8:45:51 AM

Quant Time: Oct 05 04:23:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	25783	0.40	ng		-0.02
7) Naphthalene-d8	10.46	136	97667	0.40	ng		-0.01
13) Acenaphthene-d10	14.31	164	52960	0.40	ng		-0.02
19) Phenanthrene-d10	17.06	188	90650	0.40	ng		-0.01
27) Chrysene-d12	21.26	240	114321	0.40	ng		0.00
34) Perylene-d12	23.48	264	143166	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.33	112	21074	0.24	ng		0.00
5) Phenol-d6	6.89	99	27962	0.25	ng		0.02
8) Nitrobenzene-d5	8.82	82	23797	0.28	ng		-0.01
11) 2-Methylnaphthalene-d10	12.05	152	44249	0.27	ng		-0.02
14) 2,4,6-Tribromophenol	15.81	330	7285	0.25	ng		0.00
15) 2-Fluorobiphenyl	12.93	172	59281	0.27	ng		-0.02
25) Fluoranthene-d10	19.09	212	88232	0.29	ng		-0.01
29) Terphenyl-d14	19.70	244	71234	0.25	ng		-0.02
Target Compounds							Qvalue
9) Naphthalene	10.51	128	36251	0.132	ng		97
12) 2-Methylnaphthalene	12.12	142	33965	0.183	ng		98
16) Acenaphthylene	14.03	152	363822	1.295	ng		99
17) Acenaphthene	14.38	154	20882	0.115	ng		98
18) Fluorene	15.37	166	54375	0.234	ng	#	12
22) Pentachlorophenol	16.73	266	701	0.032	ng	#	87
23) Phenanthrene	17.10	178	595159	2.108	ng		99
24) Anthracene	17.19	178	375973	1.474	ng		99
26) Fluoranthene	19.13	202	1136740	3.237	ng		98
28) Pyrene	19.49	202	1351610	3.467	ng	#	96
30) Benzo(a)anthracene	21.24	228	746286	1.773	ng		92
31) Chrysene	21.29	228	939844	2.291	ng		97
32) Bis(2-ethylhexyl)phthalate	21.18	149	142542m	0.658	ng		
33) Indeno(1,2,3-cd)pyrene	25.71	276	603415	1.175	ng	#	96
35) Benzo(b)fluoranthene	22.82	252	1130549	2.275	ng	#	96
36) Benzo(k)fluoranthene	22.84	252	428608m	0.872	ng		
37) Benzo(a)pyrene	23.38	252	790804	1.693	ng		97
38) Dibenzo(a,h)anthracene	25.71	278	178437	0.373	ng	#	77
39) Benzo(g,h,i)perylene	26.39	276	648463	1.371	ng		98

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

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Instrument :
BNA_N
ClientSampleId :
PST-024-B282-092619

Manual Integrations APPROVED
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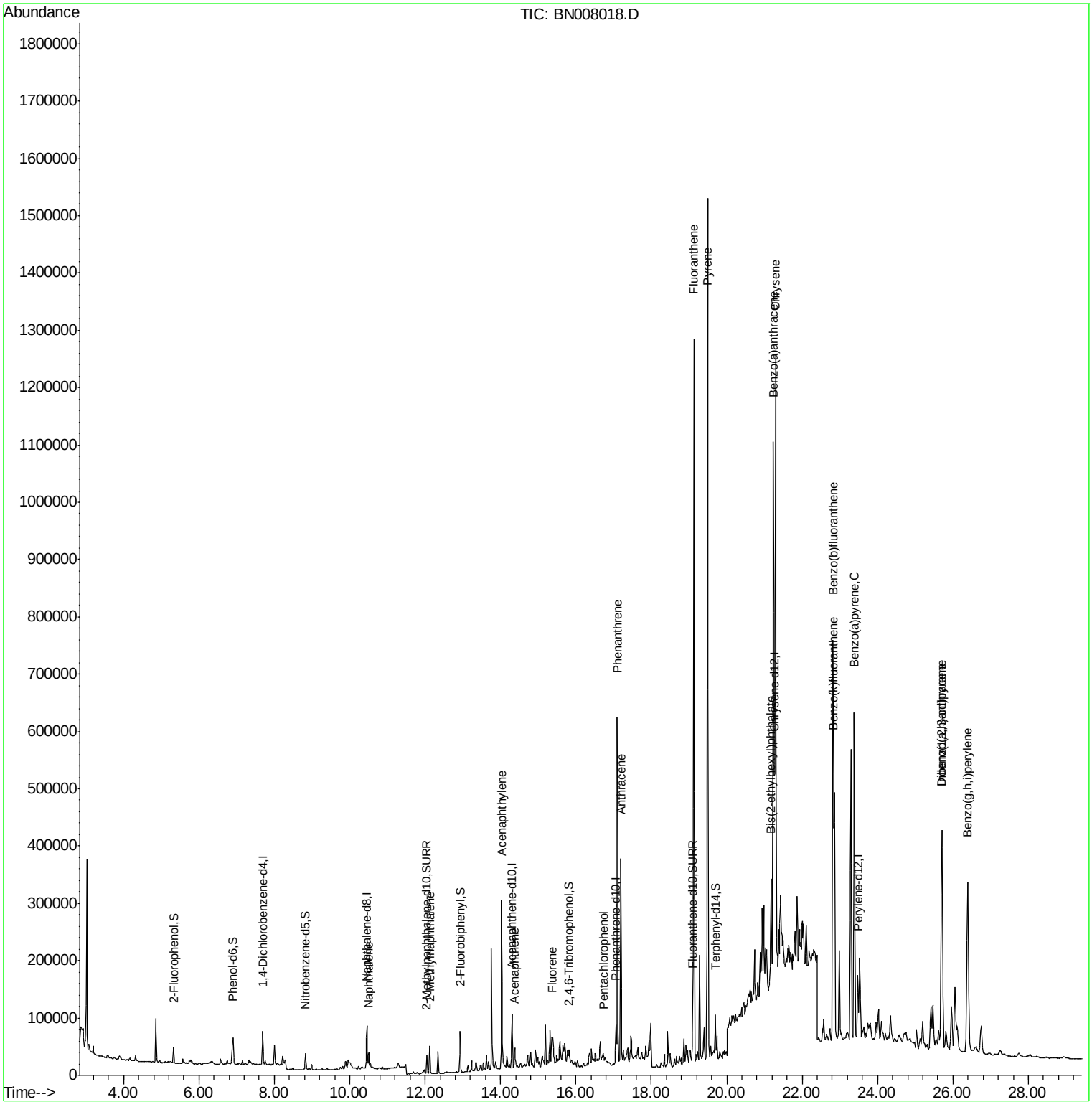
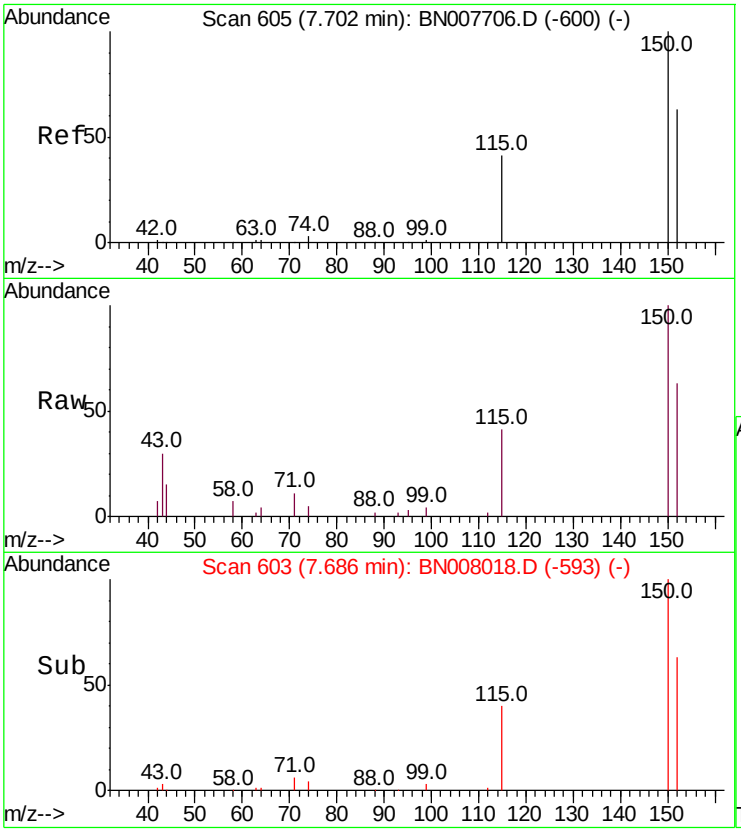
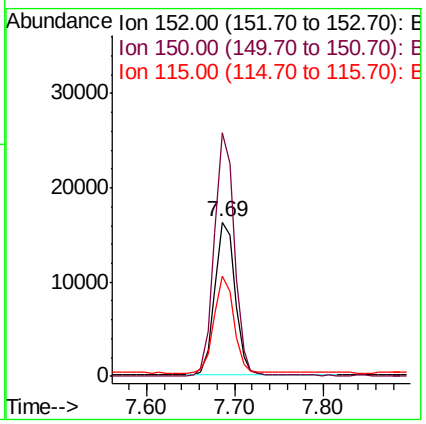




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:152 Resp: 25783

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.6	188.4
115	65.2	53.3	79.9



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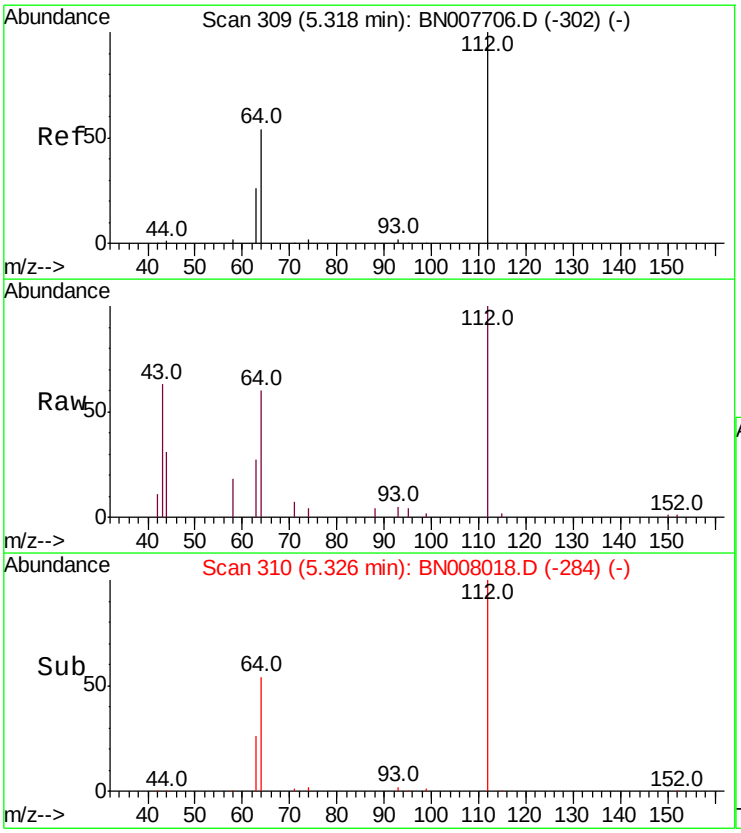
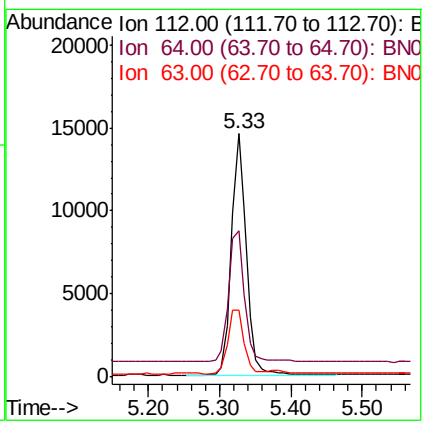
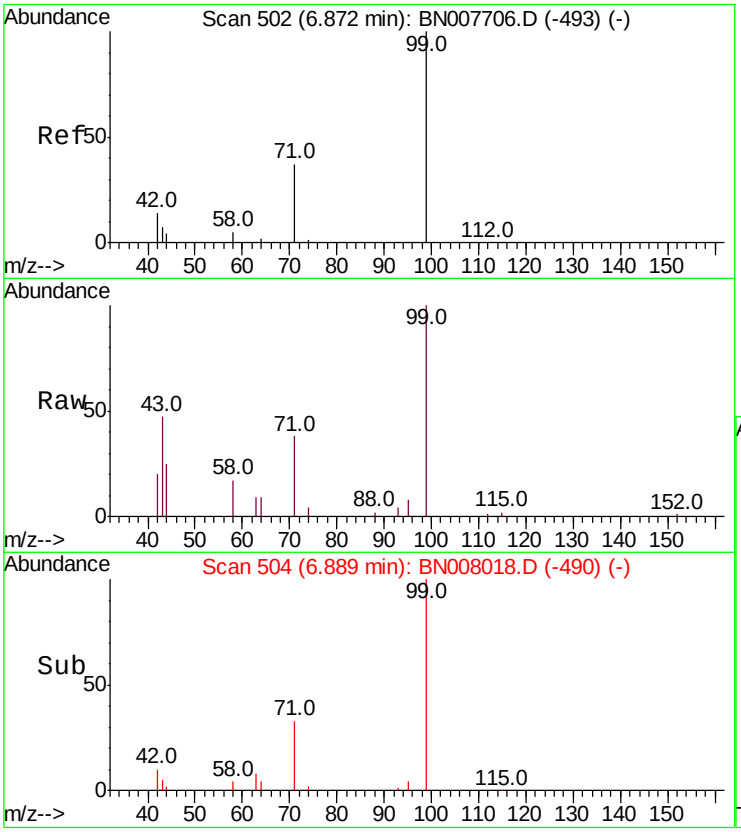


#4
2-Fluorophenol
Concen: 0.237 ng
RT: 5.33 min Scan# 310
Delta R.T. 0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:112 Resp: 21074

Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.6	70.0
63	28.1	23.1	34.7

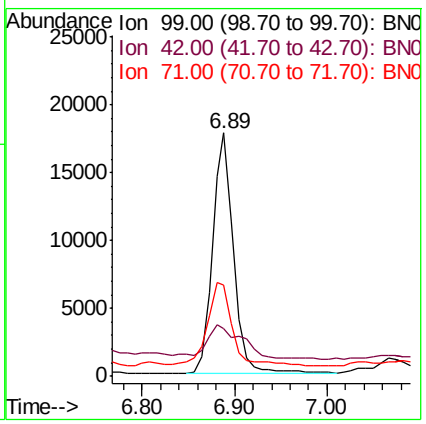




#5
Phenol-d6
Concen: 0.250 ng
RT: 6.89 min Scan# 504
Delta R.T. 0.02 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion: 99 Resp: 27962

Ion	Ratio	Lower	Upper
99	100		
42	23.5	12.8	19.2#
71	42.5	27.6	41.4#



Instrument :
BNA_N
ClientSampleId :
PST-024-B282-092619

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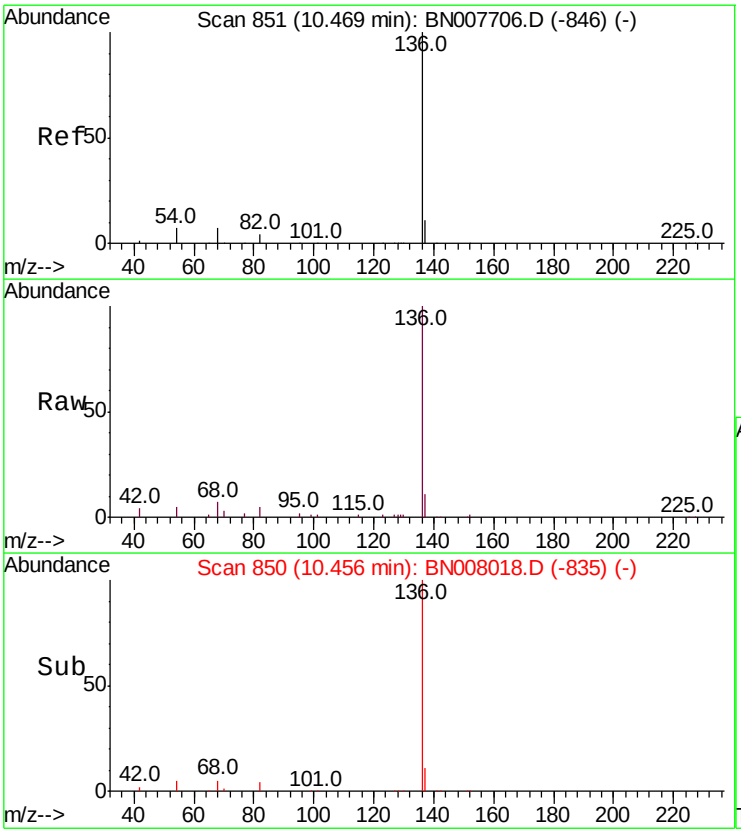
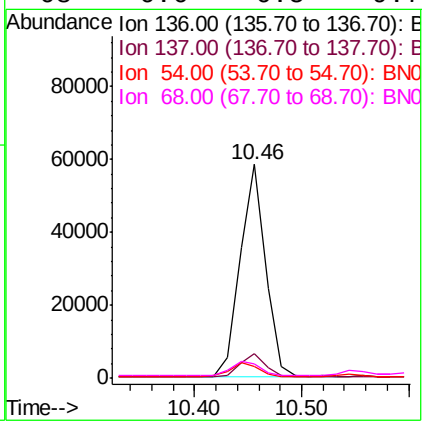
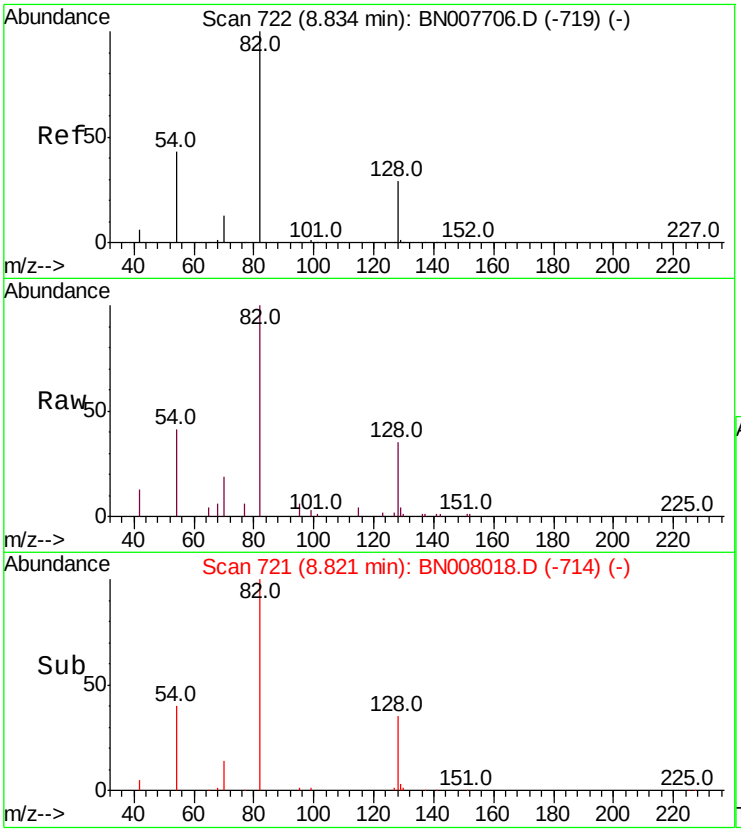


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.46 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:136 Resp: 97667

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	5.5	5.8	8.8#
68	6.6	6.5	9.7

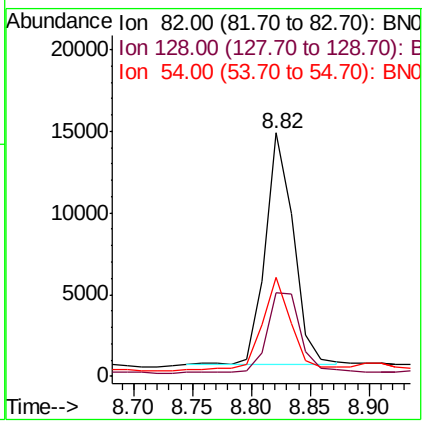




#8
Nitrobenzene-d5
Concen: 0.279 ng
RT: 8.82 min Scan# 721
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion: 82 Resp: 23797

Ion	Ratio	Lower	Upper
82	100		
128	34.5	24.5	36.7
54	40.7	35.2	52.8



Instrument :
BNA_N
ClientSampleId :
PST-024-B282-092619

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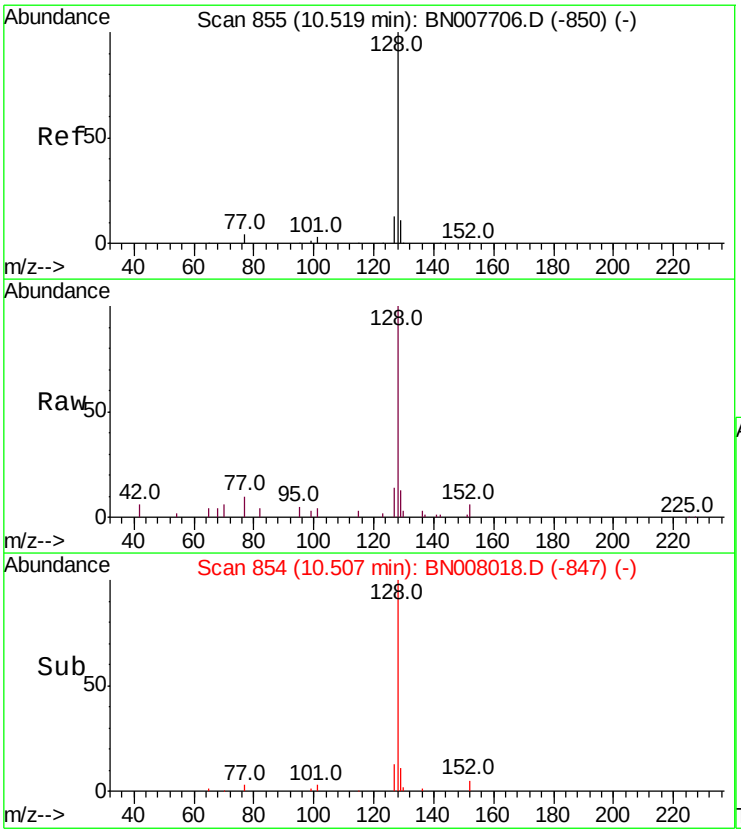
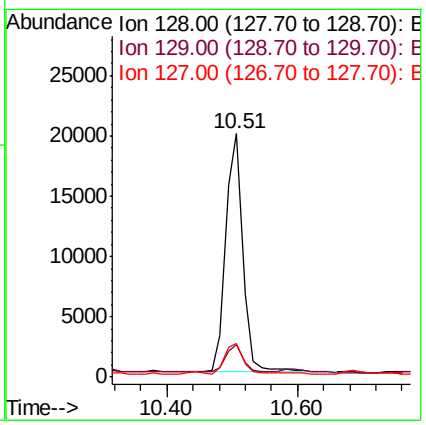
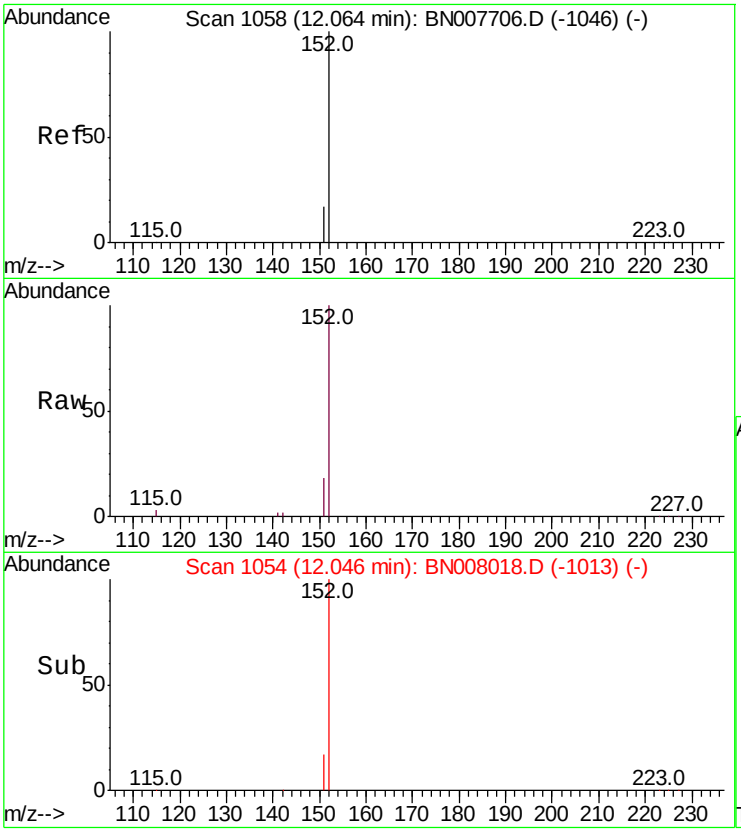


#9
Naphthalene
Concen: 0.132 ng
RT: 10.51 min Scan# 854
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:128 Resp: 36251

Ion	Ratio	Lower	Upper
128	100		
129	13.2	9.1	13.7
127	14.1	10.6	15.8





#11
2-Methylnaphthalene-d10
Concen: 0.269 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:152 Resp: 44249

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2

Instrument :
BNA_N
ClientSampleId :
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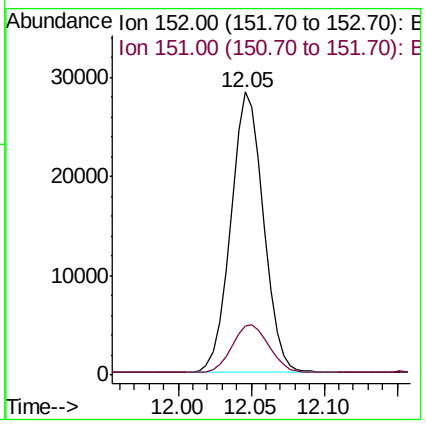
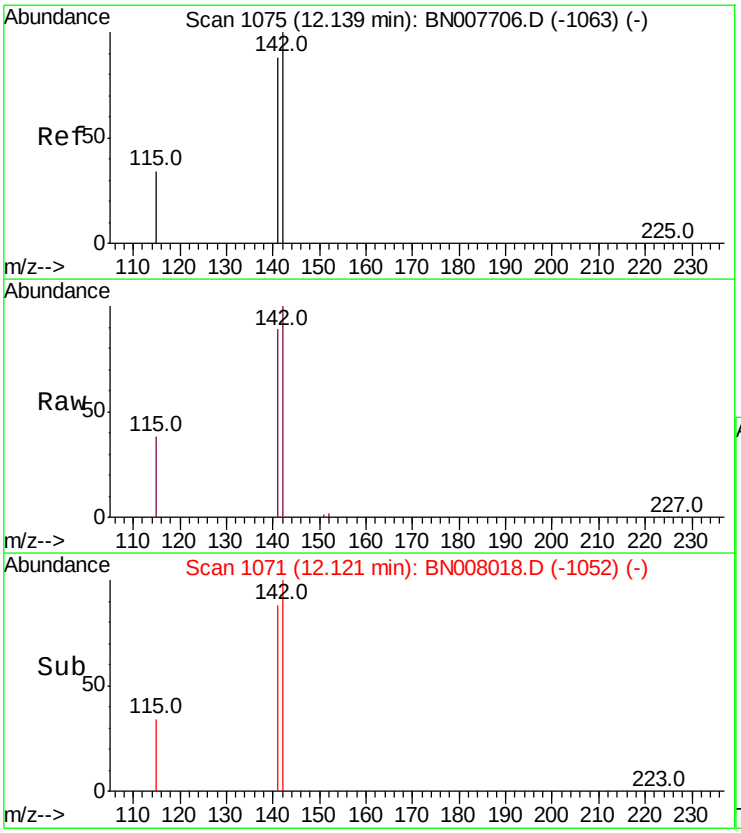
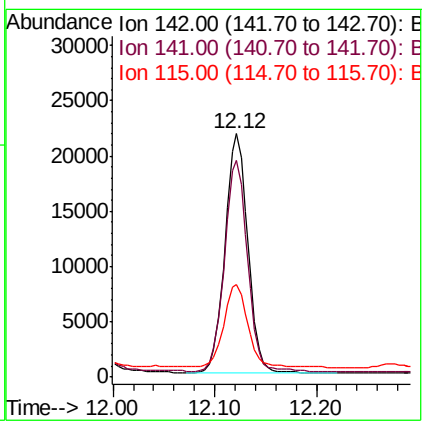


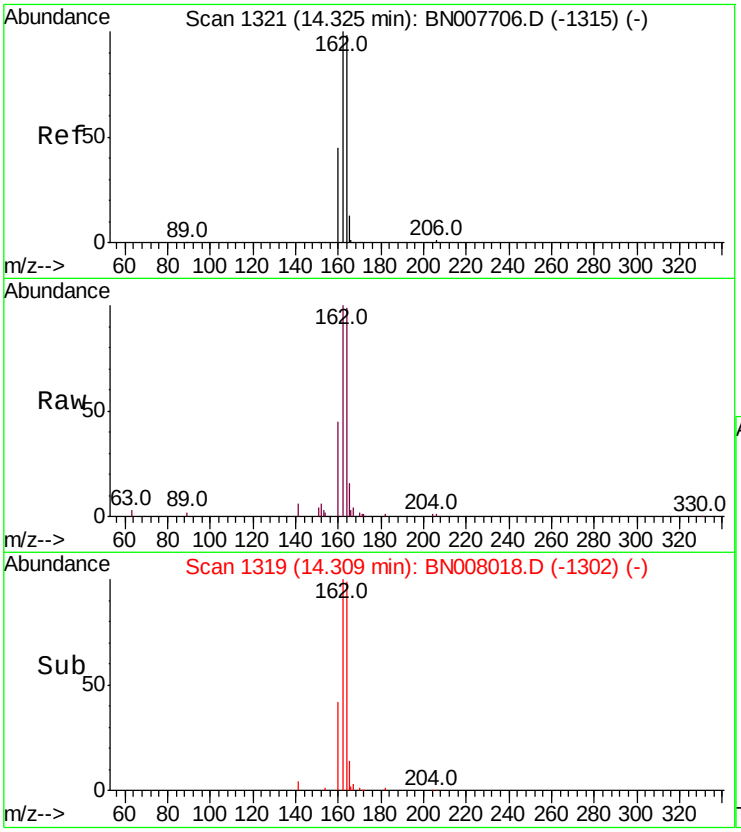


#12
2-Methylnaphthalene
Concen: 0.183 ng
RT: 12.12 min Scan# 1071
Delta R.T. -0.02 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:142 Resp: 33965

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.6	106.0
115	38.2	28.3	42.5

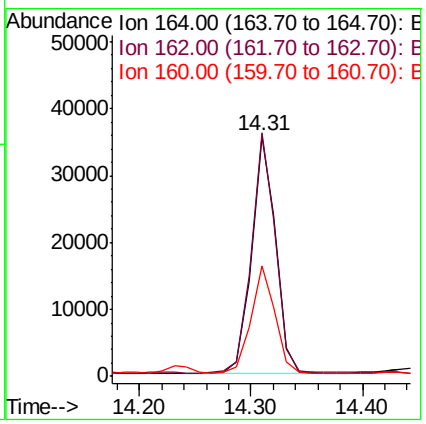




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:164 Resp: 52960

Ion	Ratio	Lower	Upper
164	100		
162	101.5	81.7	122.5
160	46.2	37.0	55.4



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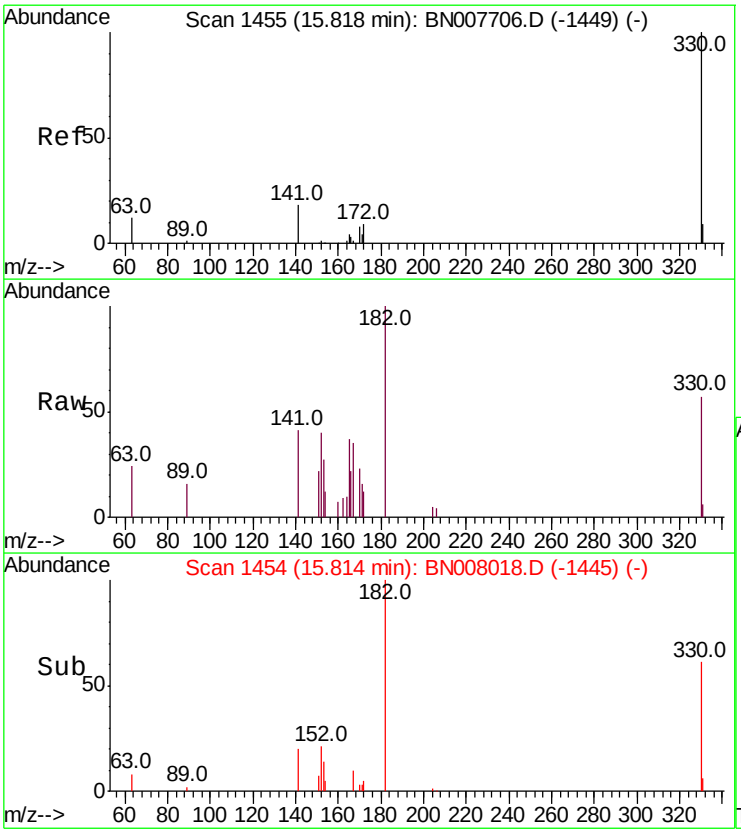
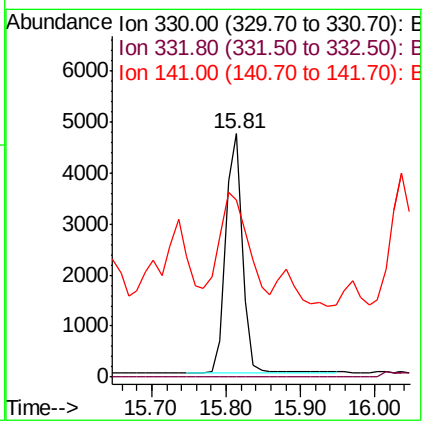
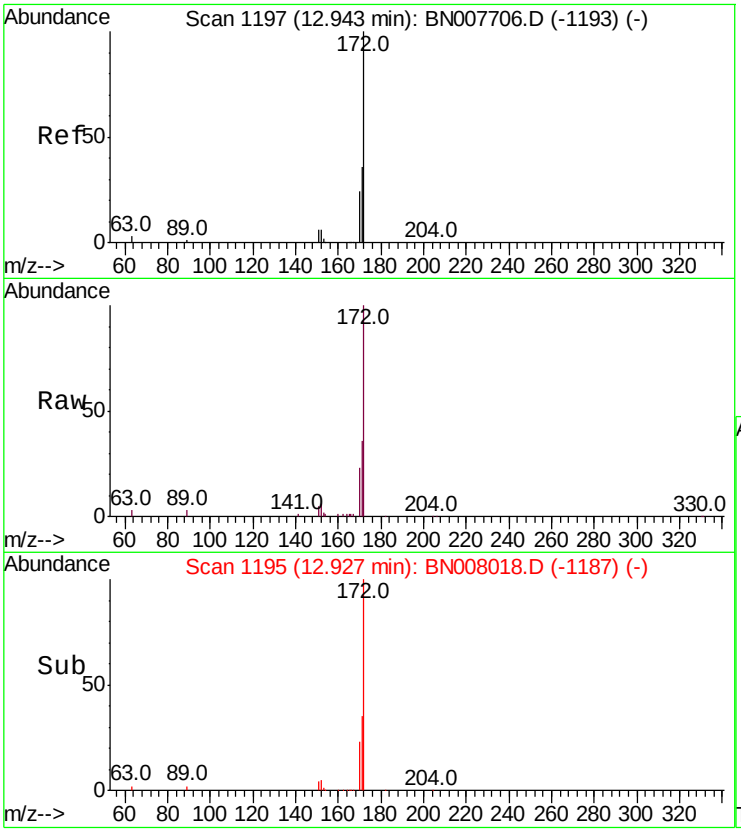


#14
2,4,6-Tribromophenol
Concen: 0.253 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:330 Resp: 7285

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	69.8	28.7	43.1#





#15
2-Fluorobiphenyl
Concen: 0.272 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:172 Resp: 59281

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.8	43.2
170	23.3	19.5	29.3

Instrument :
BNA_N
ClientSampleId :
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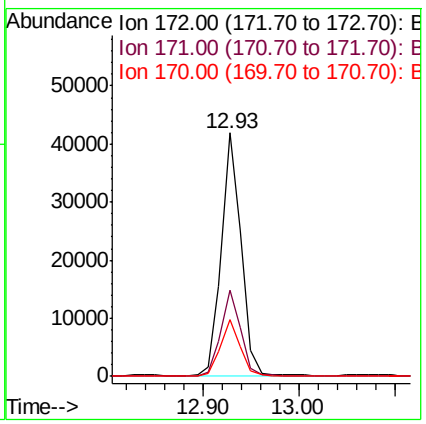
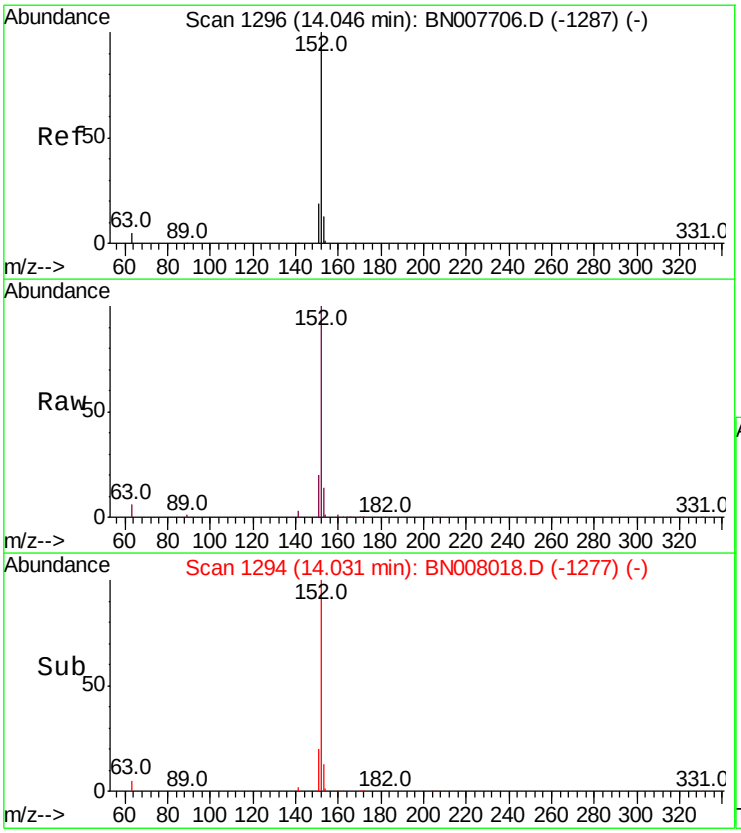
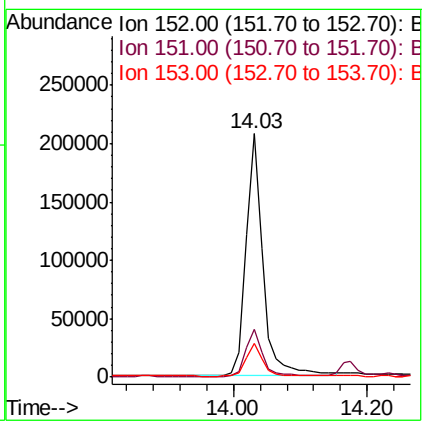


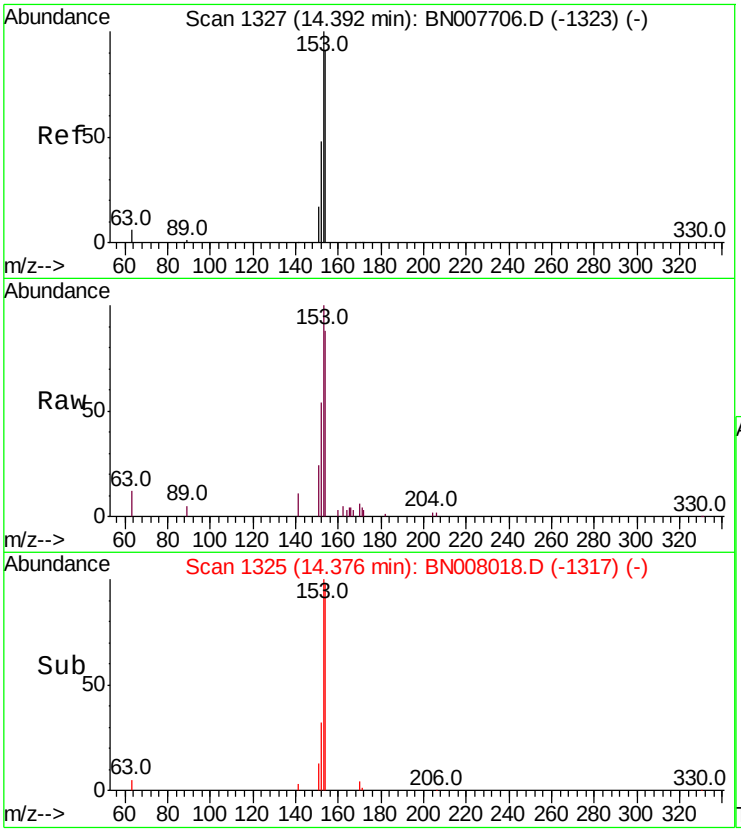


#16
Acenaphthylene
Concen: 1.295 ng
RT: 14.03 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:152 Resp: 363822

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	13.4	10.4	15.6

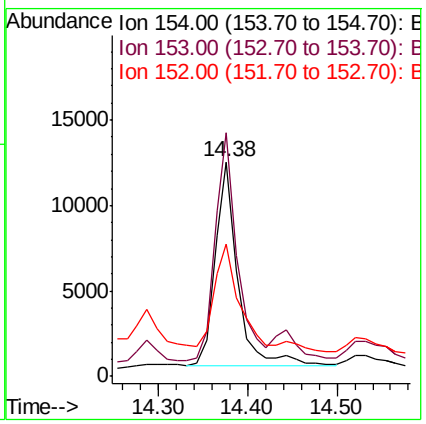




#17
Acenaphthene
Concen: 0.115 ng
RT: 14.38 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:154 Resp: 20882

Ion	Ratio	Lower	Upper
154	100		
153	110.9	87.0	130.4
152	52.0	42.7	64.1



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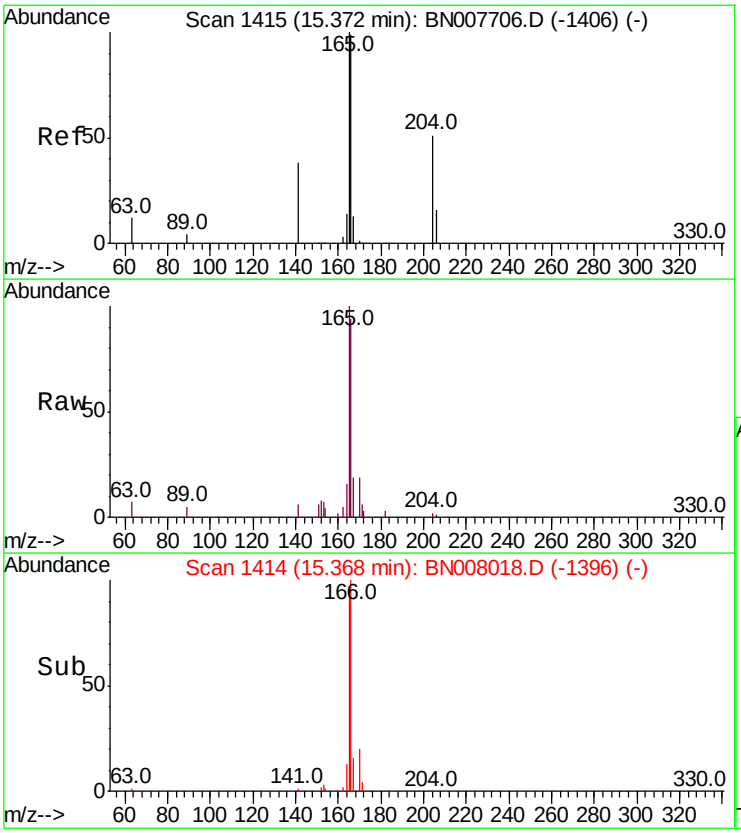
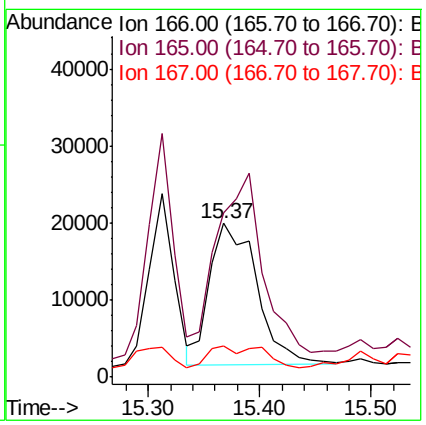
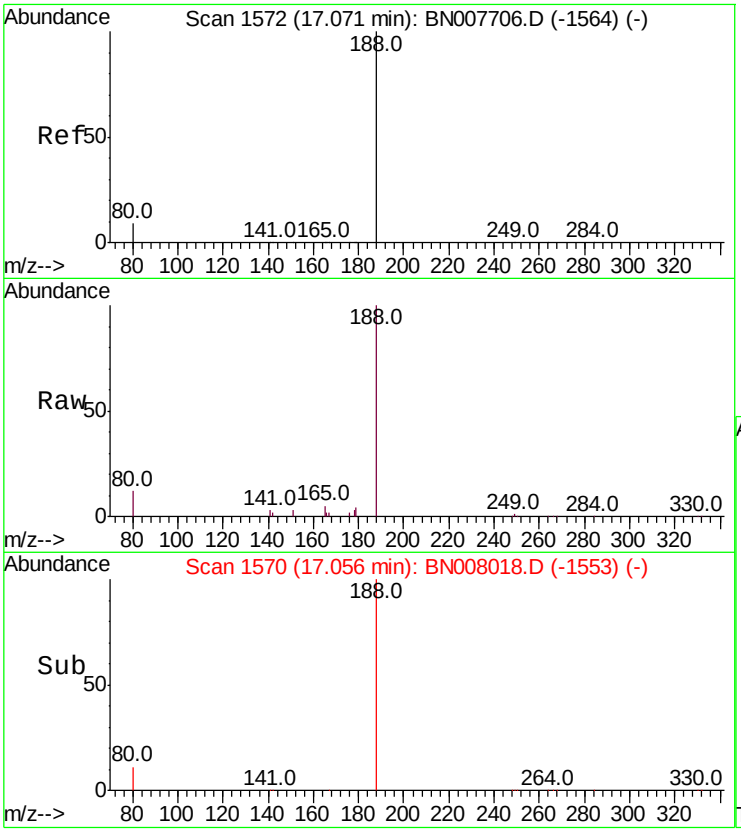


#18
Fluorene
Concen: 0.234 ng
RT: 15.37 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:166 Resp: 54375

Ion	Ratio	Lower	Upper
166	100		
165	0.0	78.0	117.0#
167	18.2	10.9	16.3#

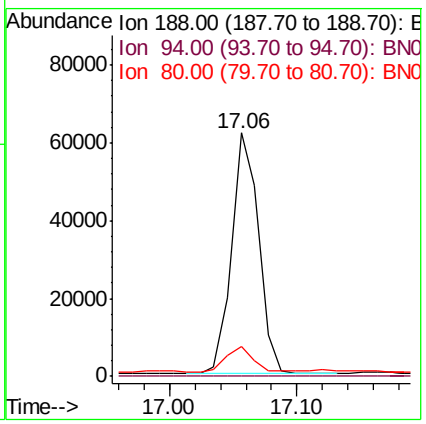




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:188 Resp: 90650

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.4	7.4	11.2#



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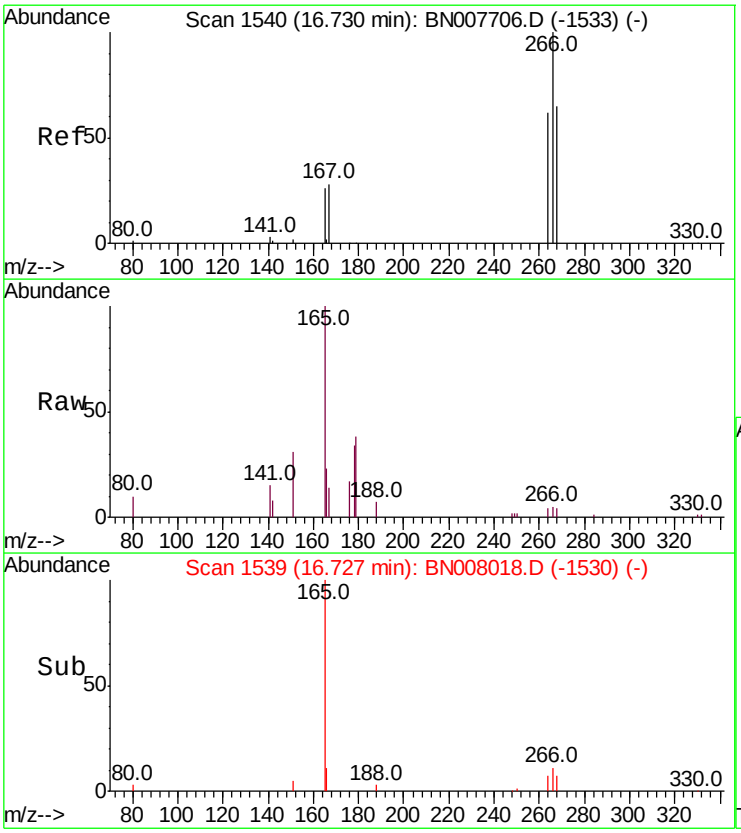
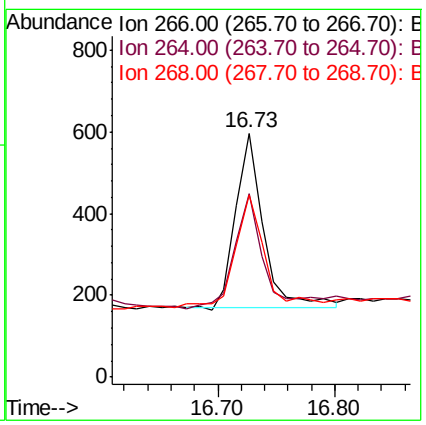
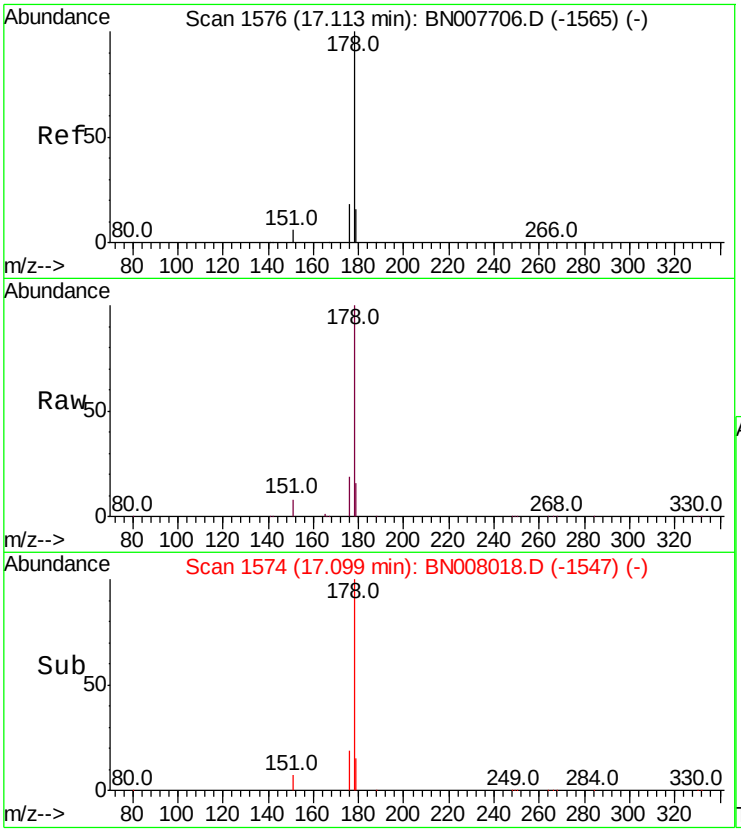


#22
Pentachlorophenol
Concen: 0.032 ng
RT: 16.73 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:266 Resp: 701

Ion	Ratio	Lower	Upper
266	100		
264	75.5	50.0	75.0#
268	75.0	54.2	81.4

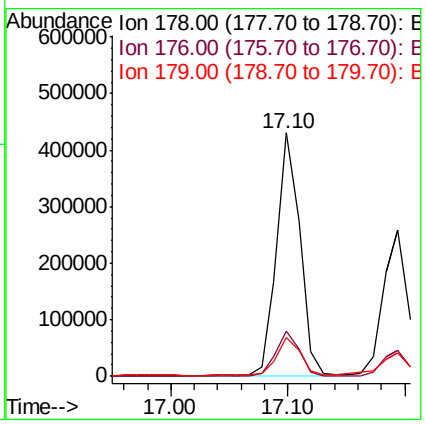




#23
Phenanthrene
Concen: 2.108 ng
RT: 17.10 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:178 Resp: 595159

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	16.1	12.5	18.7



Instrument :
BNA_N
ClientSampleId :
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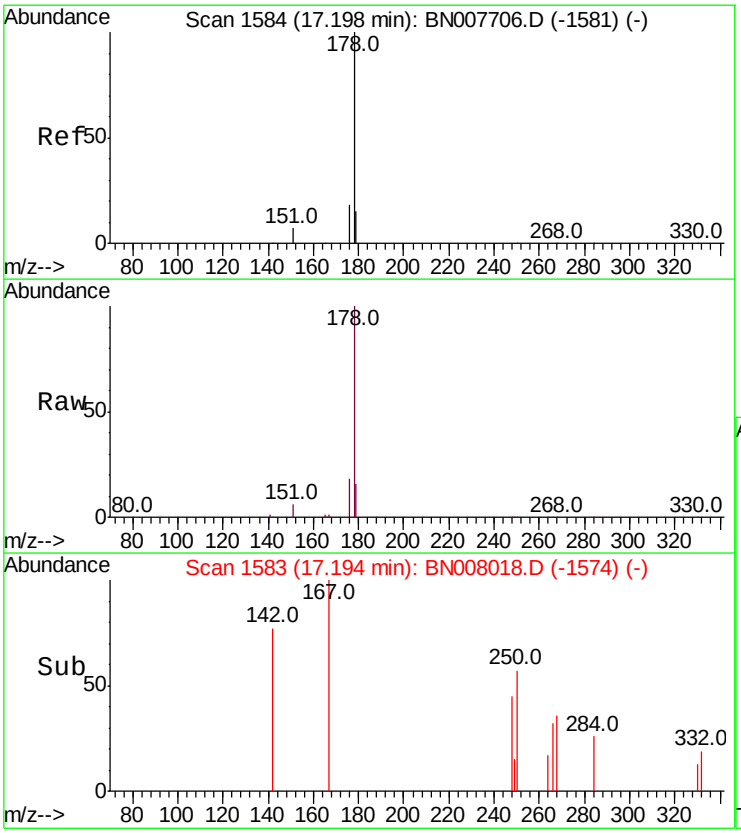
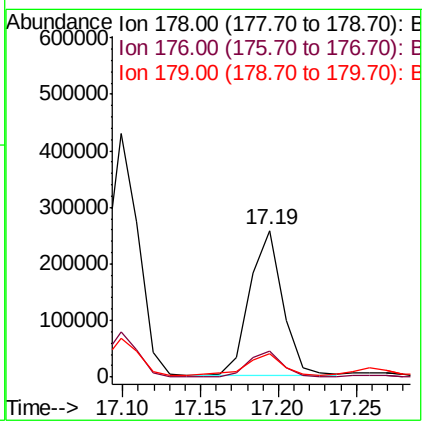
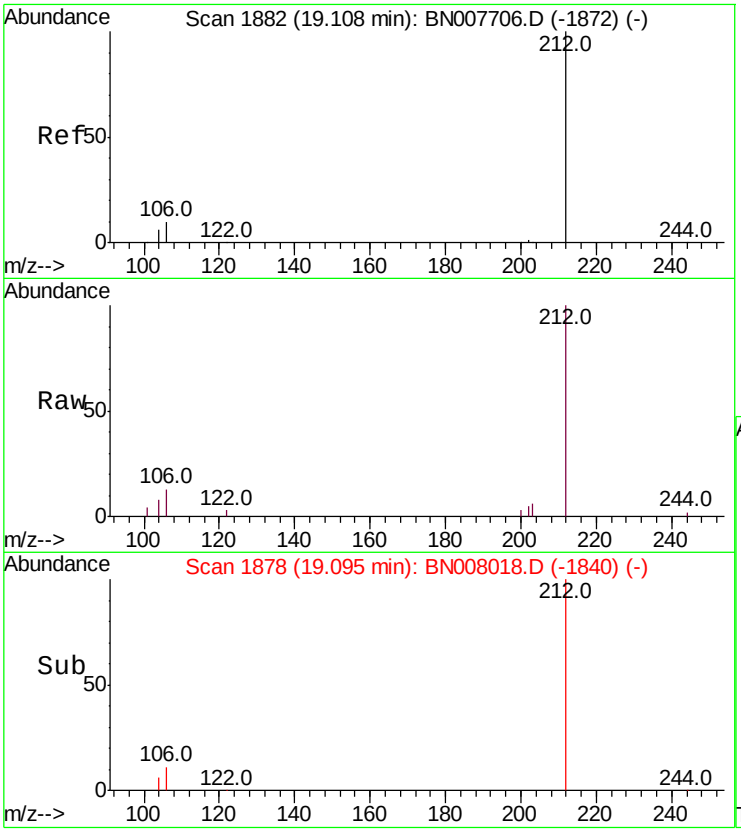


#24
Anthracene
Concen: 1.474 ng
RT: 17.19 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:178 Resp: 375973

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	15.7	12.2	18.4

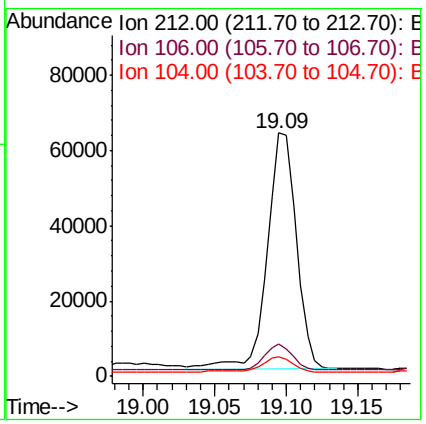




#25
Fluoranthene-d10
Concen: 0.289 ng
RT: 19.09 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:212 Resp: 88232

Ion	Ratio	Lower	Upper
212	100		
106	10.3	9.4	14.0
104	6.5	5.3	7.9



Instrument :
BNA_N
ClientSampleId :
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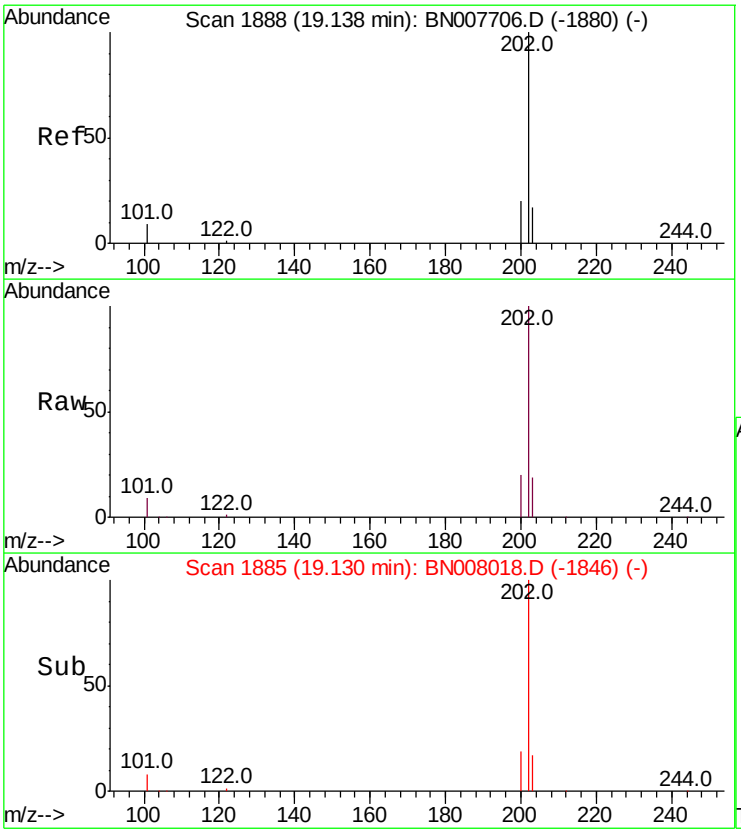
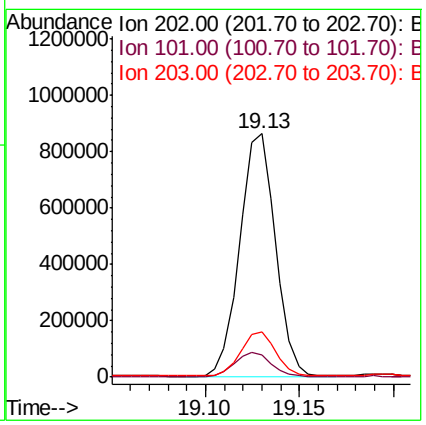
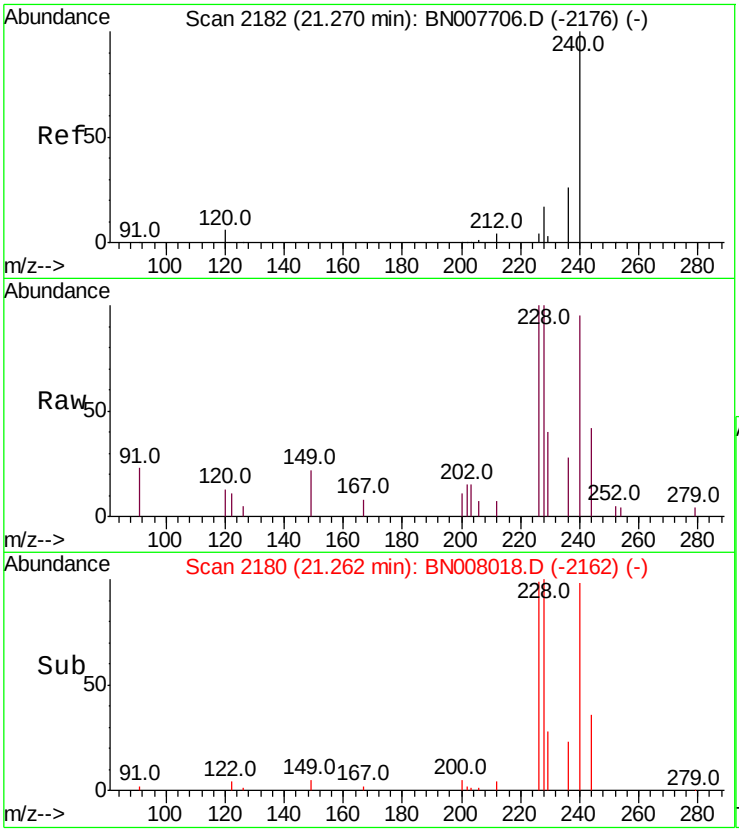


#26
Fluoranthene
Concen: 3.237 ng
RT: 19.13 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:202 Resp: 1136740

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.4	12.6
203	18.0	13.8	20.8





#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:240 Resp: 114321

Ion	Ratio	Lower	Upper
240	100		
120	13.9	5.4	8.2#
236	29.9	21.0	31.4

Instrument :
BNA_N
ClientSampleId :
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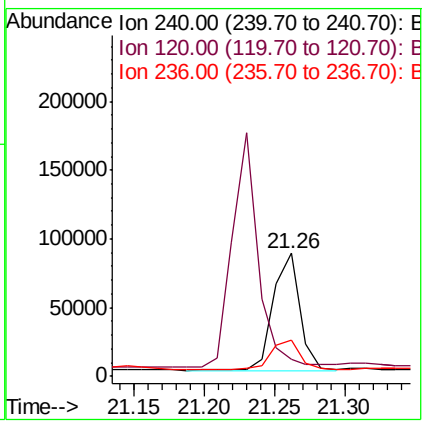
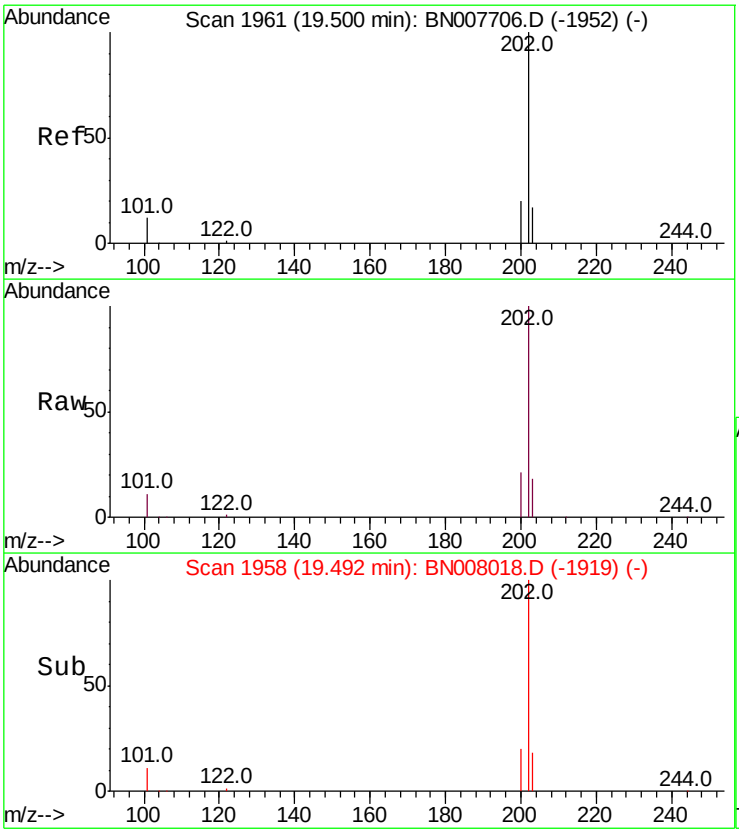
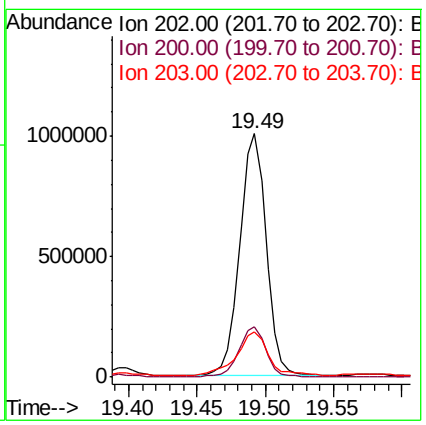


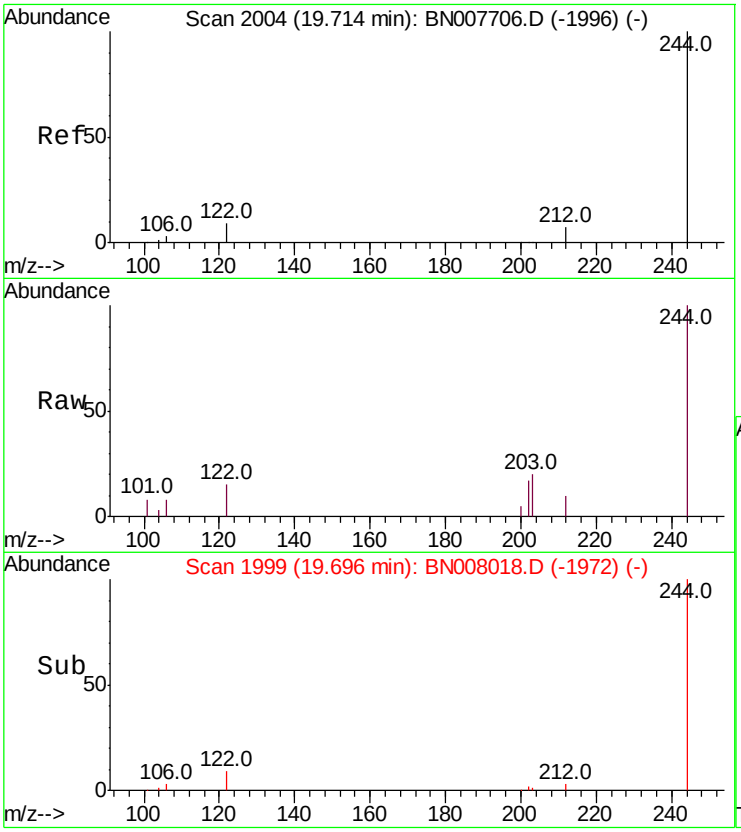


#28
Pyrene
Concen: 3.467 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:202 Resp: 1351610

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.3	14.1	21.1#

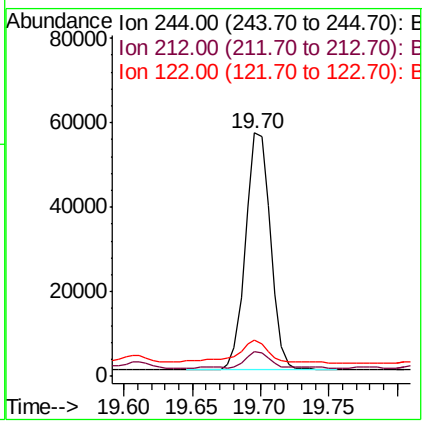




#29
Terphenyl-d14
Concen: 0.254 ng
RT: 19.70 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:244 Resp: 71234

Ion	Ratio	Lower	Upper
244	100		
212	9.9	5.9	8.9#
122	14.9	7.4	11.2#



Instrument :
BNA_N
ClientSampleId :
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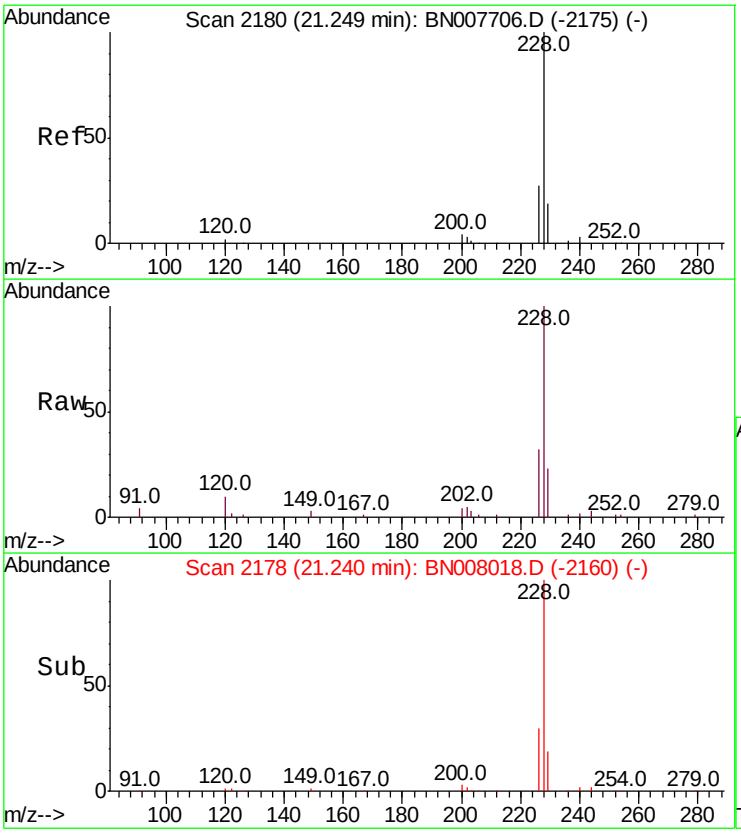
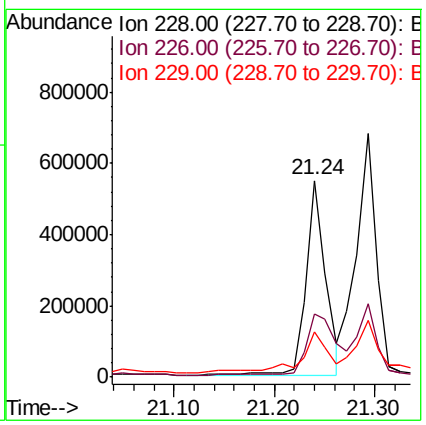
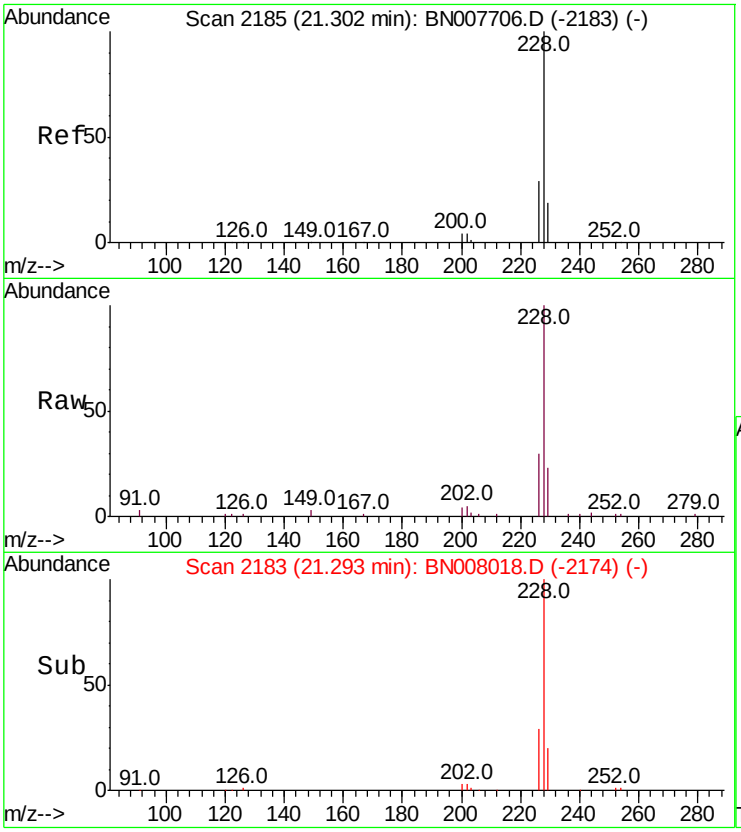


#30
Benzo(a)anthracene
Concen: 1.773 ng
RT: 21.24 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:228 Resp: 746286

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.1	33.1
229	23.0	15.8	23.6

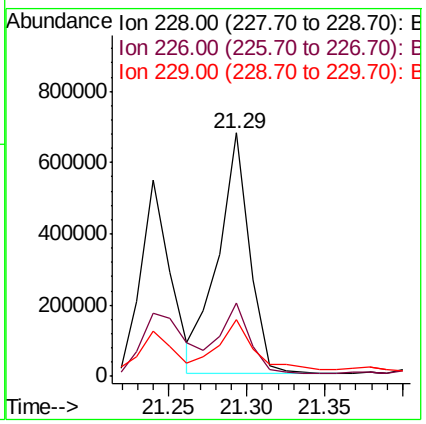




#31
Chrysene
Concen: 2.291 ng
RT: 21.29 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:228 Resp: 939844

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.9	35.9
229	23.2	15.8	23.6



Instrument :
BNA_N
ClientSampleId :
PST-024-B282-092619

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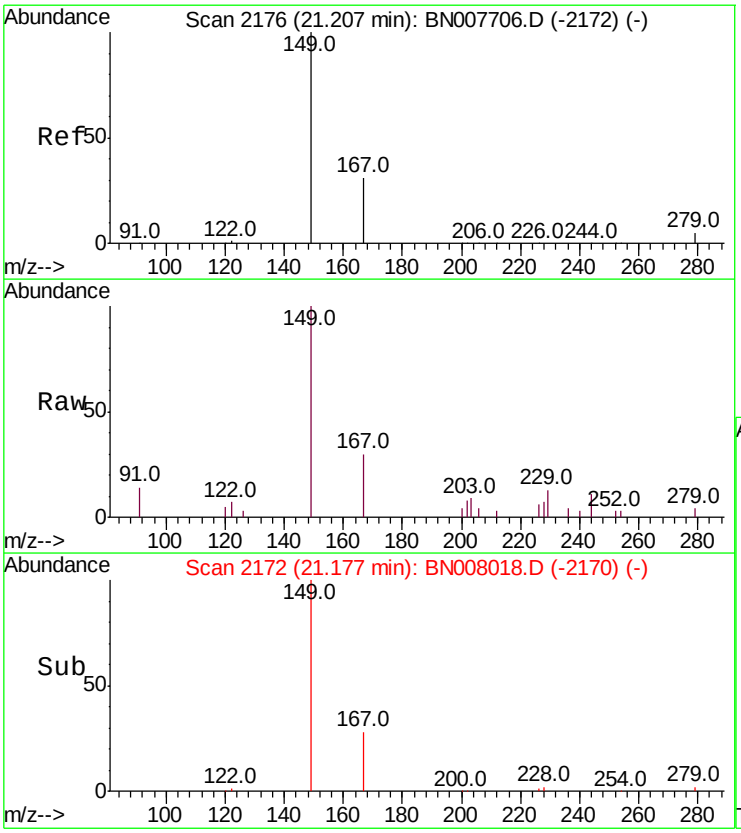
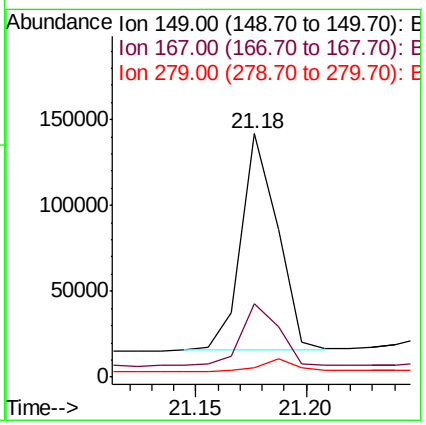
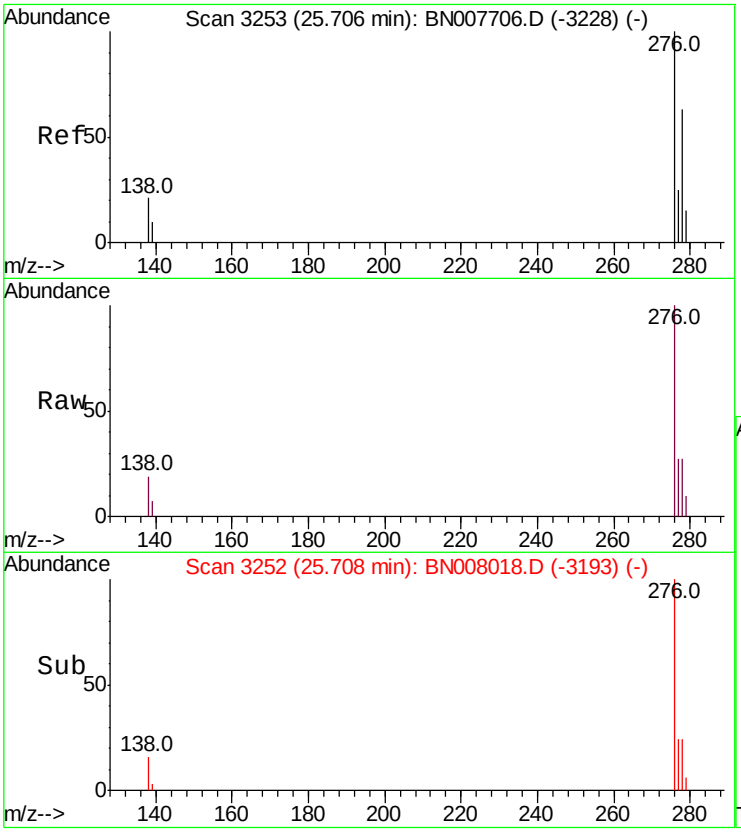


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.658 ng m
RT: 21.18 min Scan# 2172
Delta R.T. -0.03 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:149 Resp: 142542

Ion	Ratio	Lower	Upper
149	100		
167	26.3	23.7	35.5
279	5.4	4.2	6.2





#33
Indeno(1,2,3-cd)pyrene
Concen: 1.175 ng
RT: 25.71 min Scan# 3252
Delta R.T. 0.00 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:276 Resp: 603415

Ion	Ratio	Lower	Upper
276	100		
138	17.0	17.1	25.7#
277	25.1	20.0	30.0

Instrument :
BNA_N
ClientSampleId :
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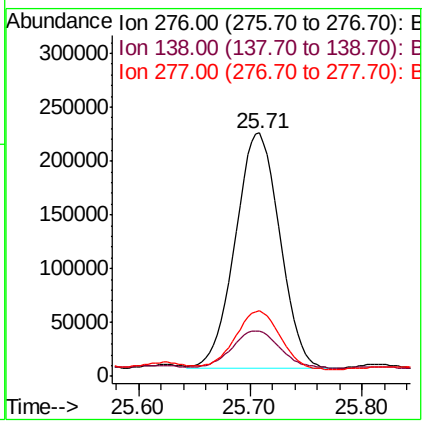
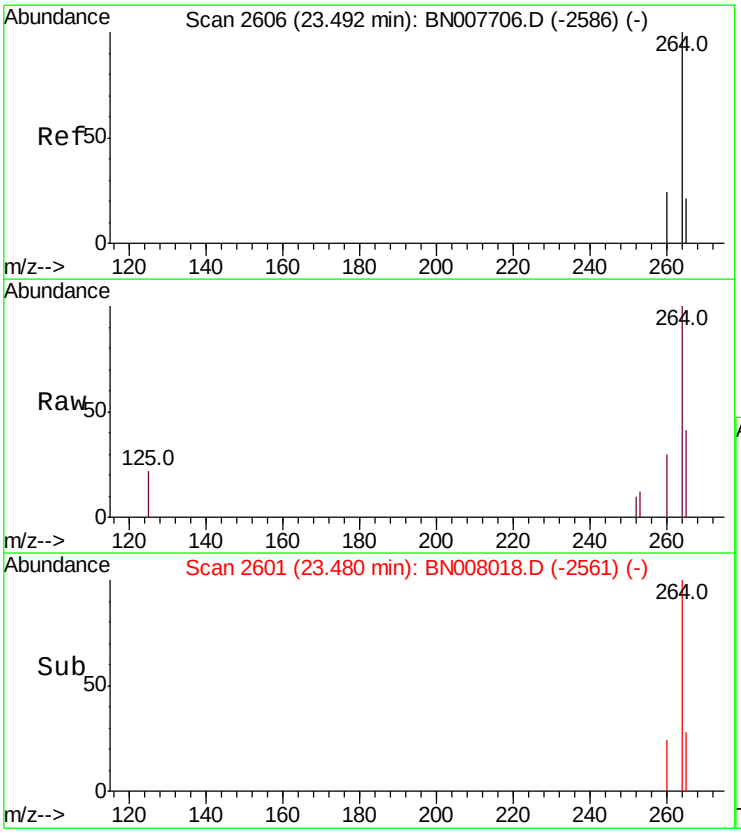
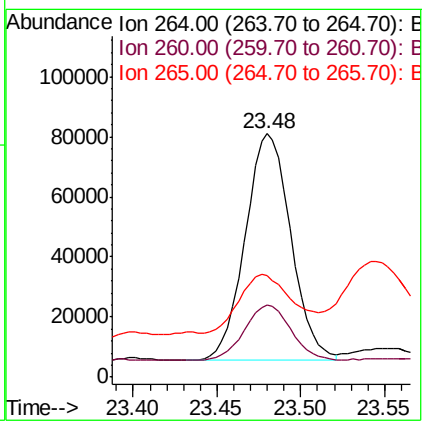


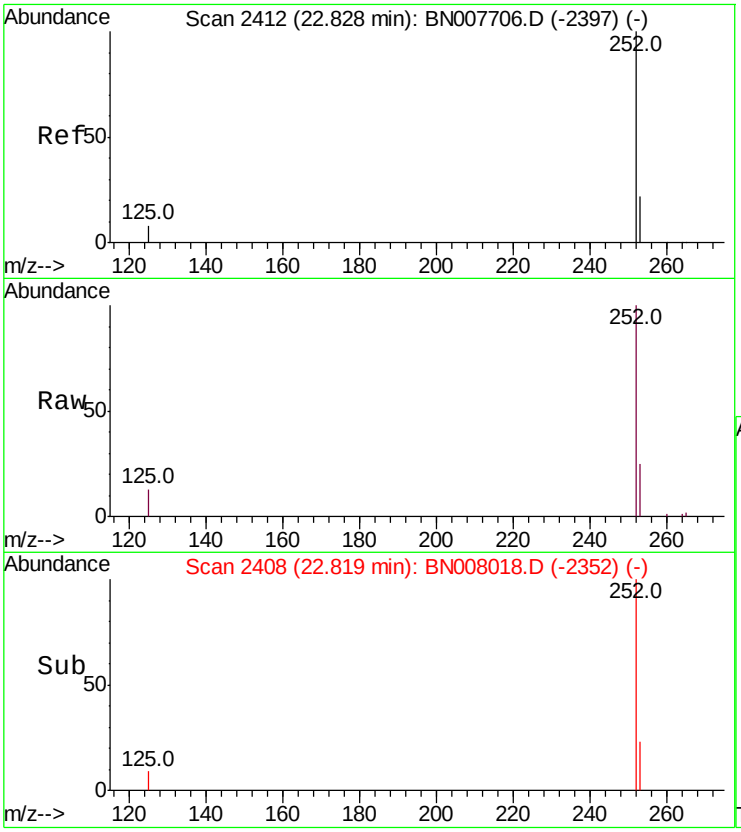


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.48 min Scan# 2601
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:264 Resp: 143166

Ion	Ratio	Lower	Upper
264	100		
260	29.6	19.3	28.9#
265	41.5	26.9	40.3#





#35
Benzo(b)fluoranthene
Concen: 2.275 ng
RT: 22.82 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:252 Resp: 1130549

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.3	27.5
125	12.7	8.2	12.4#

Instrument :
BNA_N
ClientSampleId :
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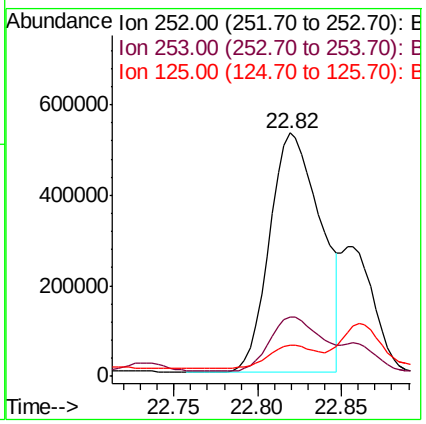
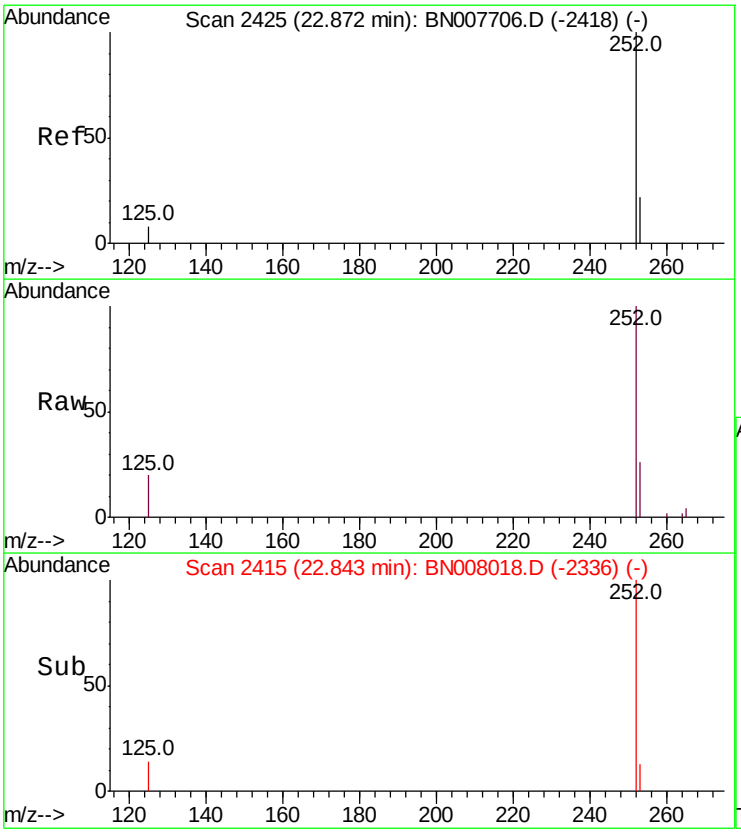
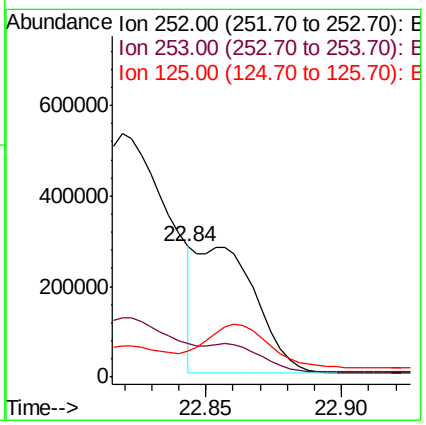


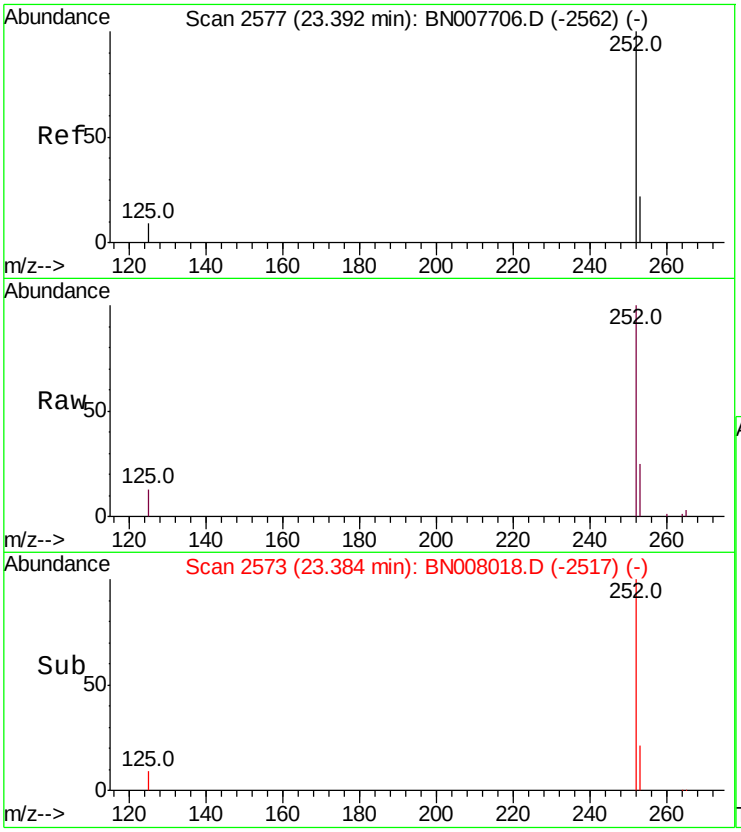


#36
Benzo(k)fluoranthene
Concen: 0.872 ng m
RT: 22.84 min Scan# 2415
Delta R.T. -0.03 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:252 Resp: 428608

Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.5	27.7
125	19.6	8.4	12.6#





#37
Benzo(a)pyrene
Concen: 1.693 ng
RT: 23.38 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:252 Resp: 790804

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.6	27.8
125	13.1	9.4	14.0

Instrument :
BNA_N
ClientSampleId :
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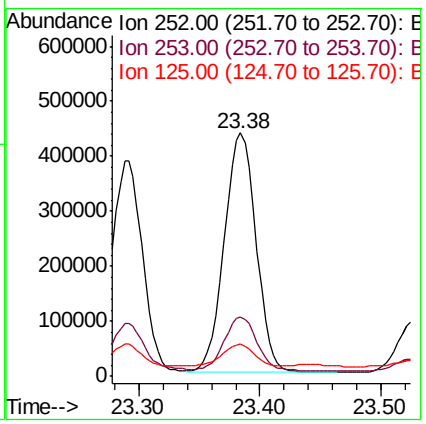
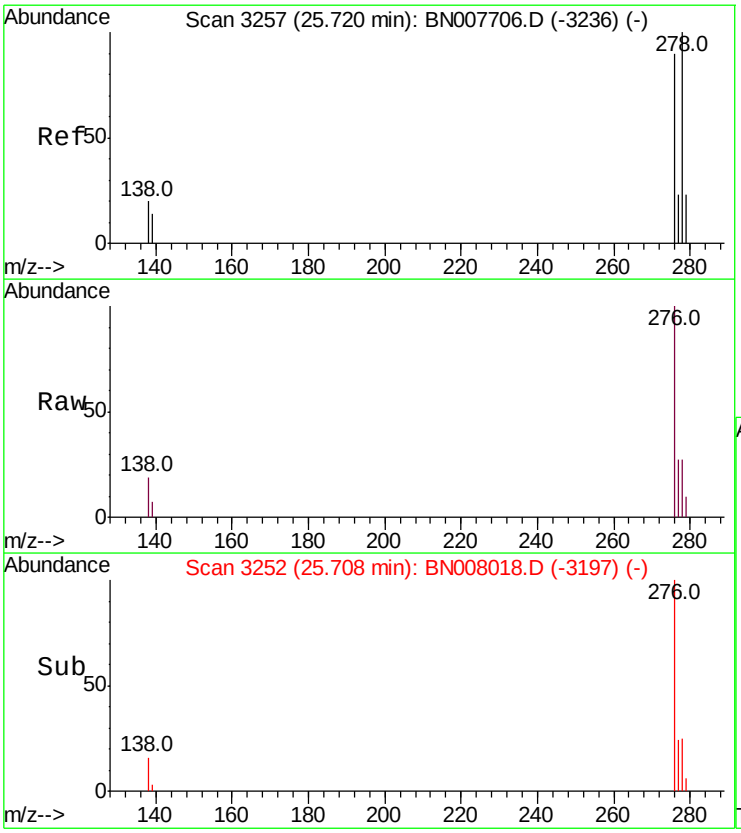
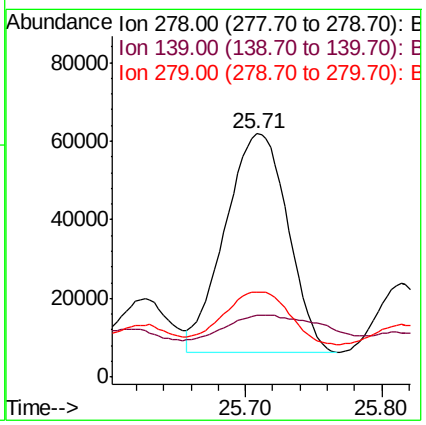


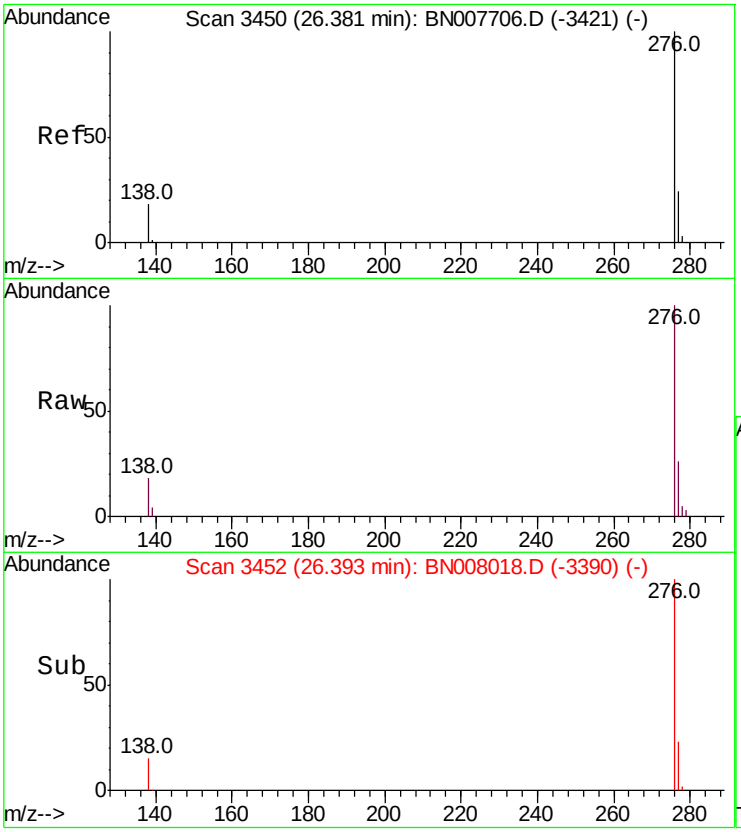


#38
Dibenzo(a,h)anthracene
Concen: 0.373 ng
RT: 25.71 min Scan# 3252
Delta R.T. -0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:278 Resp: 178437

Ion	Ratio	Lower	Upper
278	100		
139	25.3	11.8	17.6#
279	34.9	19.4	29.2#

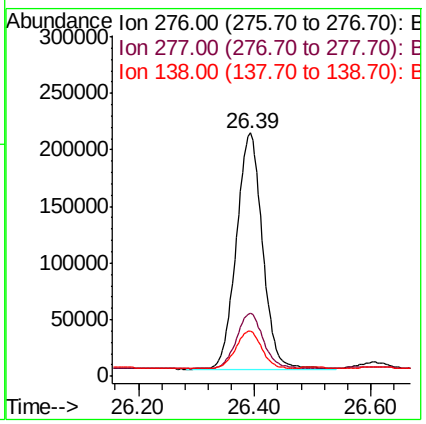




#39
Benzo(g,h,i)perylene
Concen: 1.371 ng
RT: 26.39 min Scan# 3452
Delta R.T. 0.01 min
Lab File: BN008018.D
Acq: 04 Oct 2019 23:57

Tgt Ion:276 Resp: 648463

Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.8	29.8
138	18.4	15.1	22.7



Instrument :
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