Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
Data File : BN007409.D
Acq On : 26 Aug 2019 14:07
Operator : HP/JU
Sample : K4409-11DL 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Manual Integrations APPROVED
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8/30/2019 8:57:04 AM

Quant Time: Aug 26 18:24:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 24 00:38:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	45396	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	176807	0.40	ng		-0.01
13) Acenaphthene-d10	14.04	164	102076	0.40	ng		-0.01
19) Phenanthrene-d10	16.80	188	227175	0.40	ng		0.00
27) Chrysene-d12	21.02	240	284666	0.40	ng		0.00
34) Perylene-d12	23.12	264	339846	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.03	112	1073	-0.02	ng		0.00
5) Phenol-d6	6.59	99	1403	-0.03	ng		0.00
8) Nitrobenzene-d5	8.53	82	1252	0.01	ng		0.00
11) 2-Methylnaphthalene-d10	11.76	152	2032	0.01	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	3346	0.06	ng		-0.01
15) 2-Fluorobiphenyl	12.66	172	5131	0.01	ng		0.00
25) Fluoranthene-d10	18.84	212	3822	0.01	ng		0.00
29) Terphenyl-d14	19.47	244	565386	0.76	ng		0.00
Target Compounds							Qvalue
22) Pentachlorophenol	16.46	266	4576	0.097	ng	#	64
23) Phenanthrene	16.83	178	162893	0.238	ng		99
24) Anthracene	16.93	178	65664	0.096	ng		98
26) Fluoranthene	18.87	202	587219	0.669	ng	#	97
28) Pyrene	19.24	202	528687	0.462	ng		98
30) Benzo(a)anthracene	21.01	228	514205	0.460	ng		99
31) Chrysene	21.06	228	469325	0.435	ng		99
32) Bis(2-ethylhexyl)phthalate	20.97	149	197747	0.254	ng		96
33) Indeno(1,2,3-cd)pyrene	25.19	276	189632	0.146	ng		98
35) Benzo(b)fluoranthene	22.51	252	615676	0.500	ng	#	94
36) Benzo(k)fluoranthene	22.55	252	549320	0.451	ng		99
37) Benzo(a)pyrene	23.03	252	473459m	0.404	ng		
38) Dibenzo(a,h)anthracene	25.20	278	84850	0.073	ng		99
39) Benzo(g,h,i)perylene	25.81	276	154454	0.133	ng		97

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

Quantitation Report (QT Reviewed)

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S301-J-2.0-2.5-081919DL

Manual Integrations APPROVED
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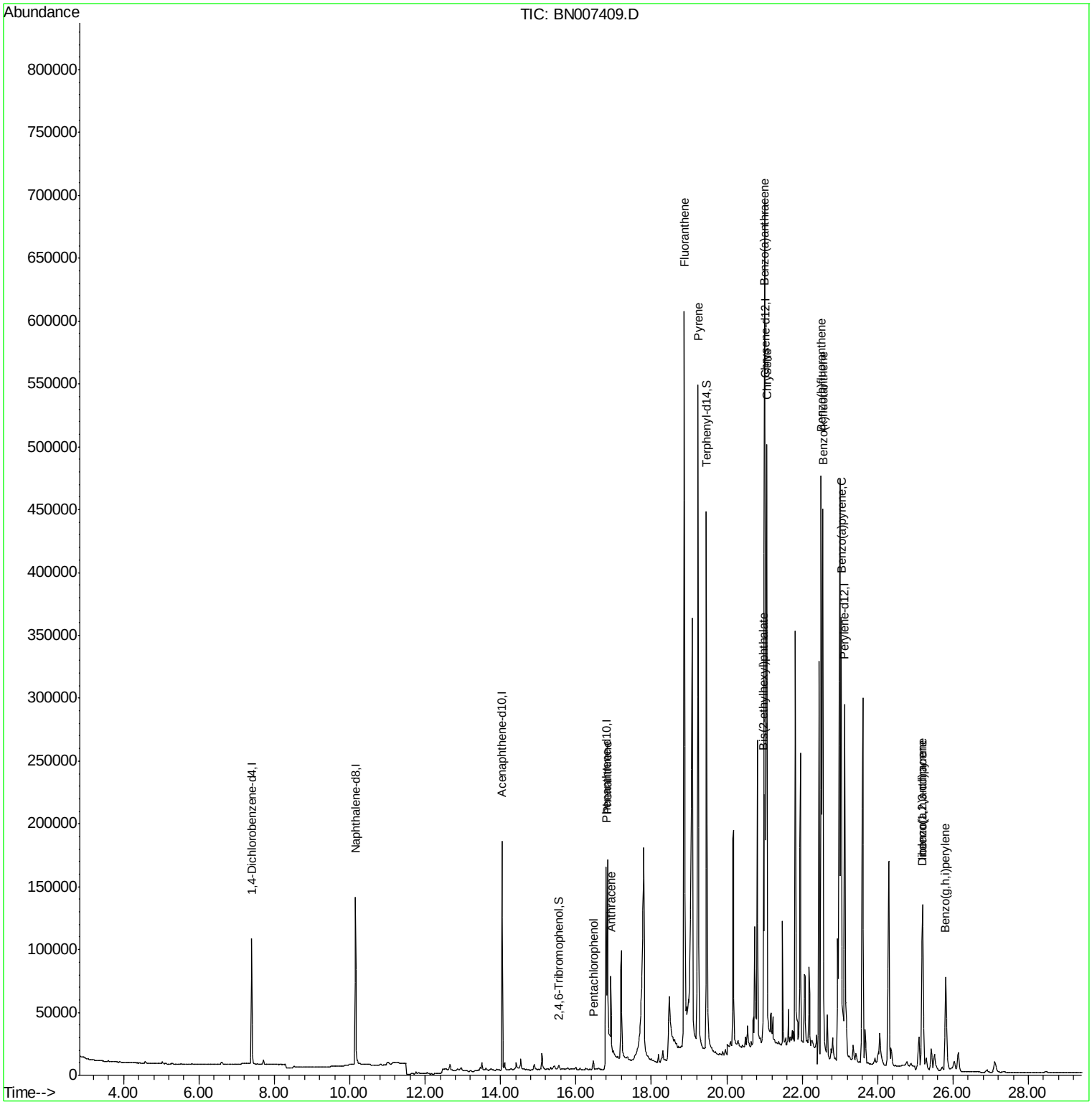
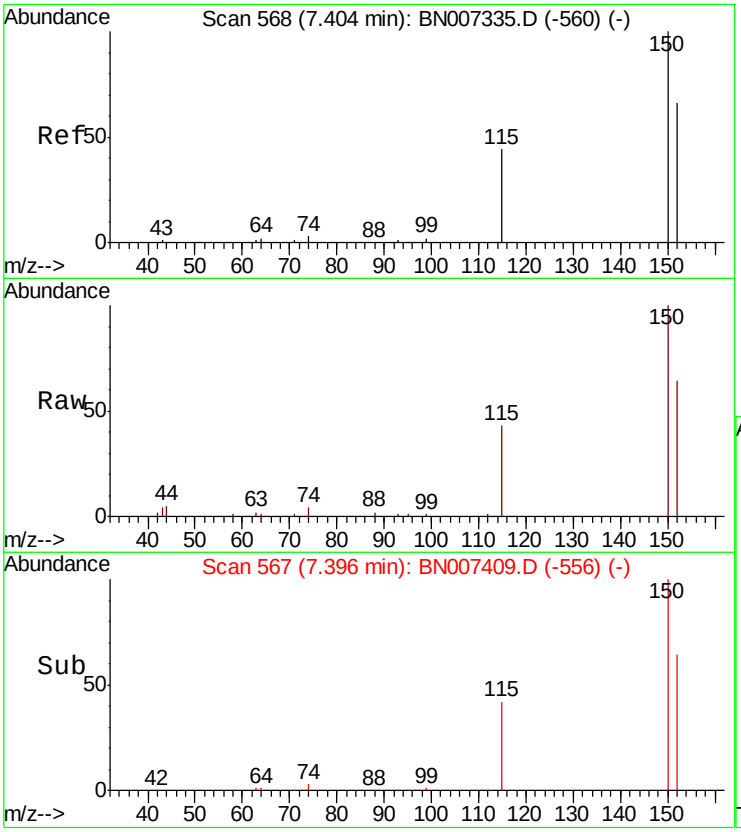
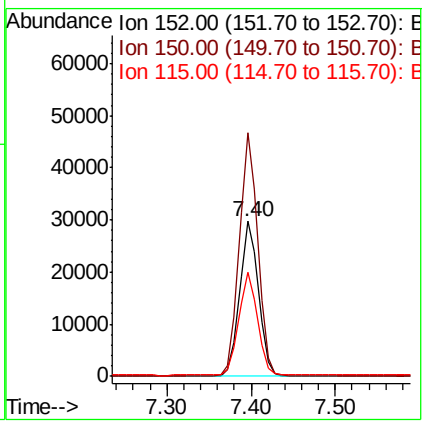




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:152 Resp: 45396

Ion	Ratio	Lower	Upper
152	100		
150	157.0	109.1	163.7
115	67.4	59.6	89.4



Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Manual Integrations APPROVED
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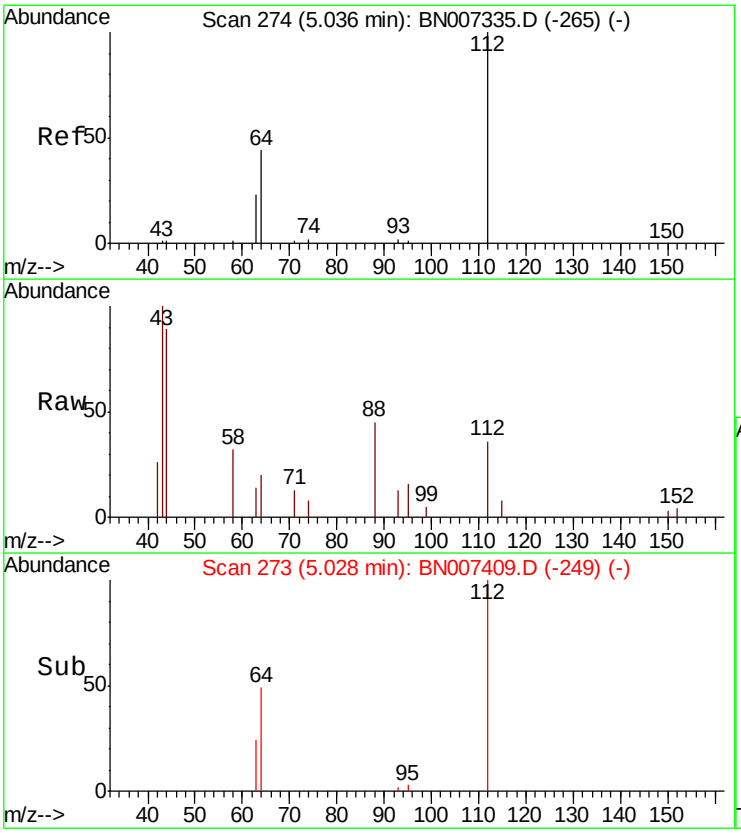
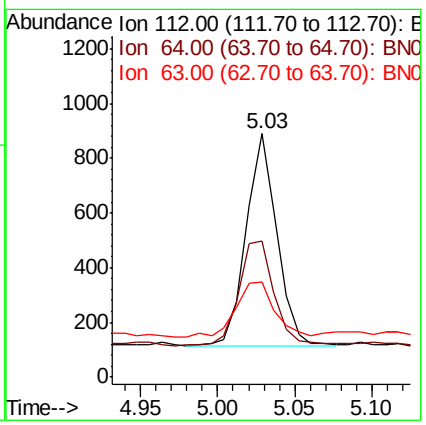
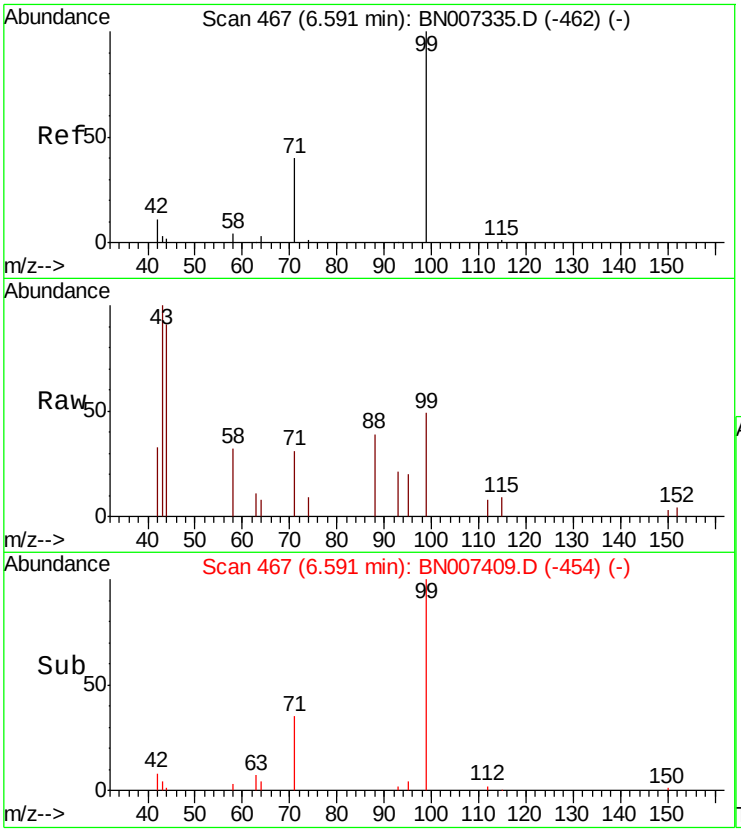


#4
2-Fluorophenol
Concen: -0.023 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:112 Resp: 1073

Ion	Ratio	Lower	Upper
112	100		
64	57.4	42.3	63.5
63	33.5	23.6	35.4

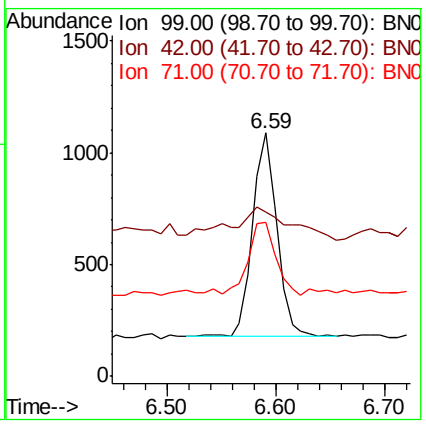




#5
Phenol-d6
Concen: -0.025 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion: 99 Resp: 1403

Ion	Ratio	Lower	Upper
99	100		
42	26.9	11.2	16.8#
71	41.3	31.8	47.8



Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

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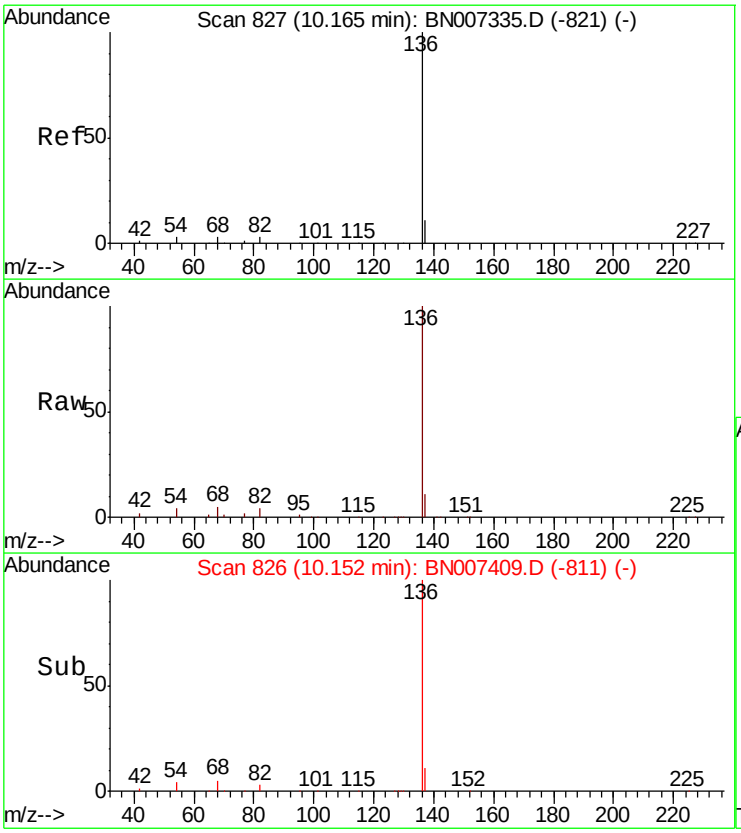
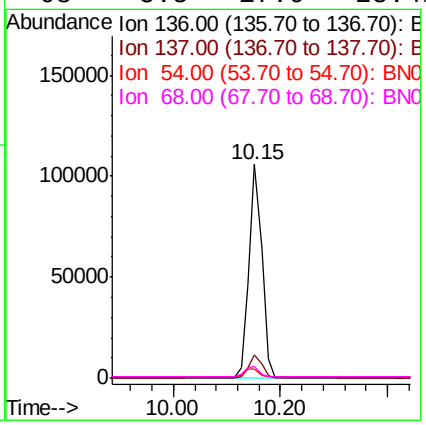
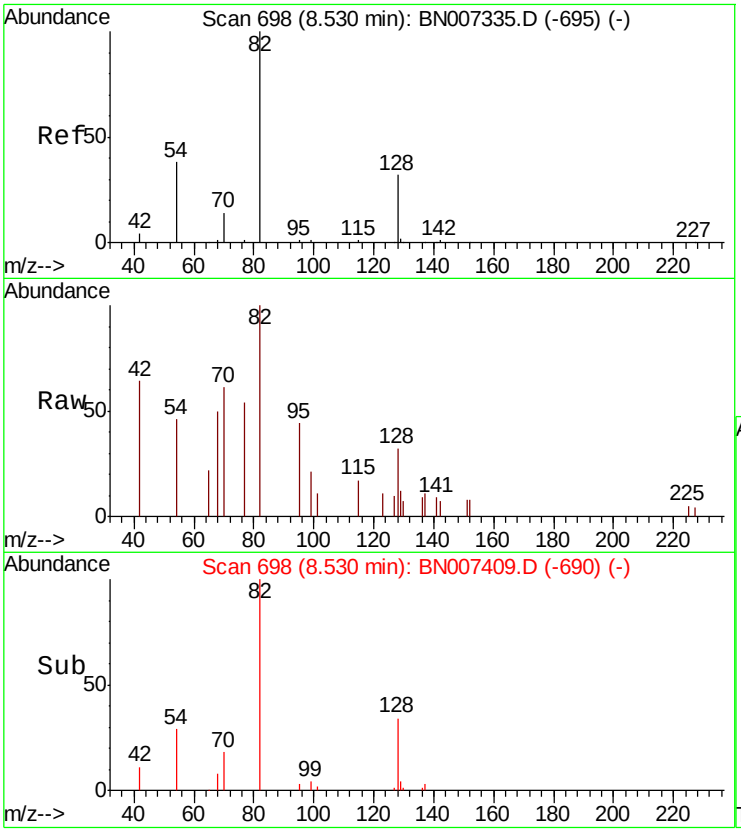


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:136 Resp: 176807

Ion	Ratio	Lower	Upper
136	100		
137	11.0	12.9	19.3#
54	4.5	8.6	12.8#
68	5.5	17.0	25.4#





#8
Nitrobenzene-d5
Concen: 0.008 ng
RT: 8.53 min Scan# 698
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion: 82 Resp: 1252

Ion	Ratio	Lower	Upper
82	100		
128	31.6	19.7	29.5#
54	45.9	25.8	38.6#

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Manual Integrations APPROVED
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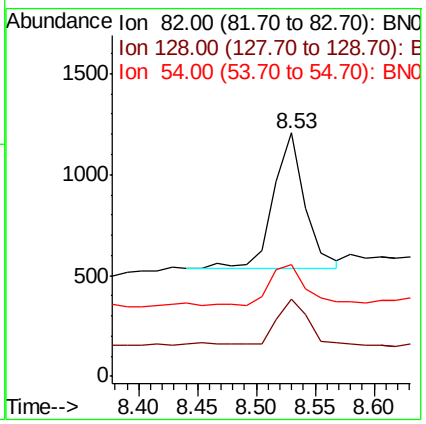
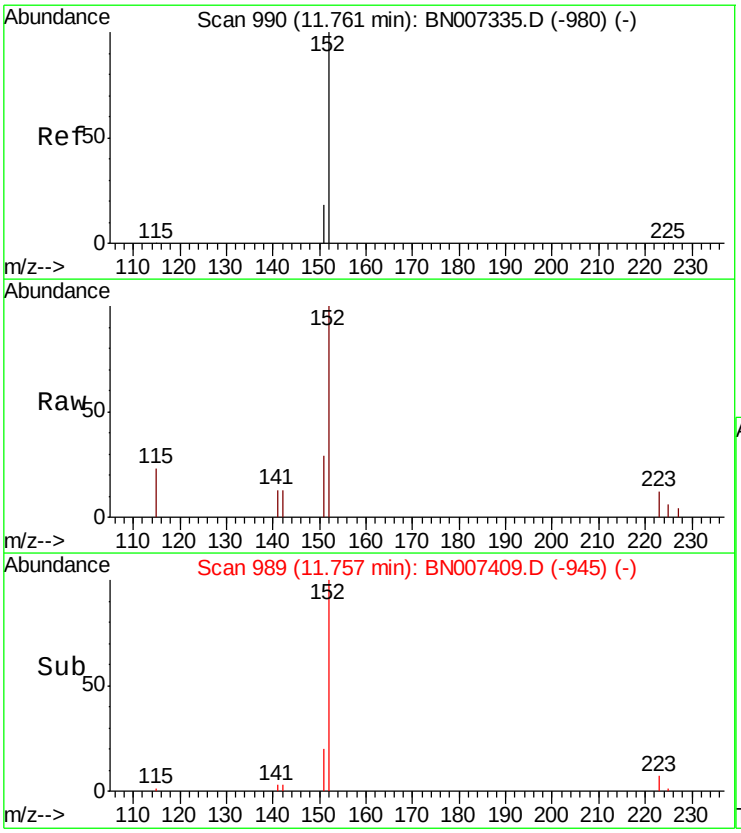
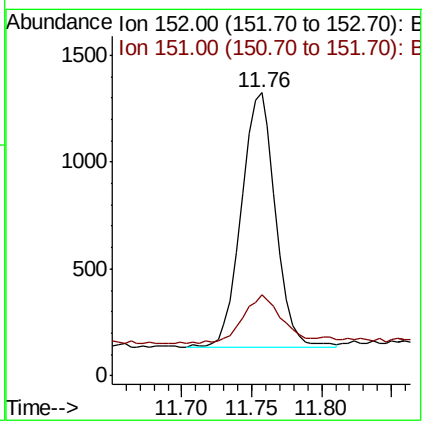


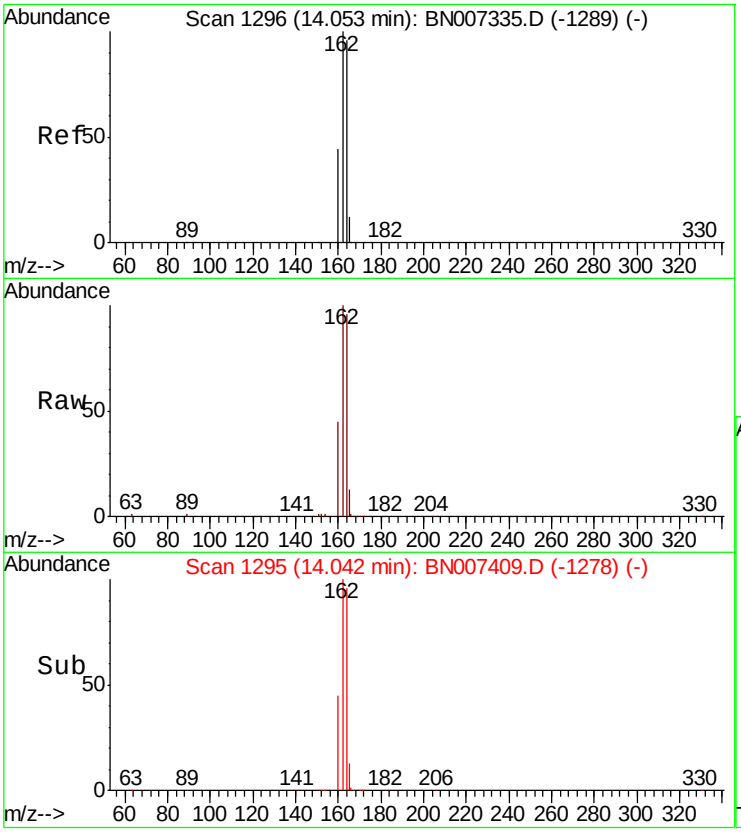


#11
2-Methylnaphthalene-d10
Concen: 0.007 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:152 Resp: 2032

Ion	Ratio	Lower	Upper
152	100		
151	22.0	16.2	24.2

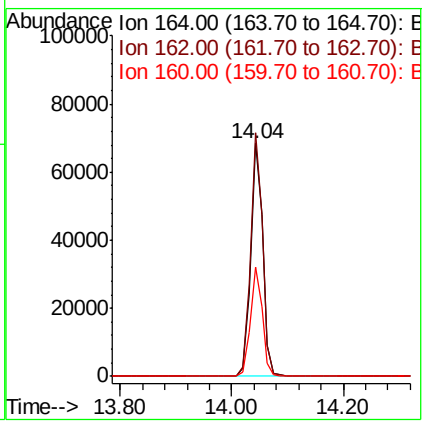




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:164 Resp: 102076

Ion	Ratio	Lower	Upper
164	100		
162	104.6	83.5	125.3
160	47.1	38.2	57.4



Instrument :
BNA_N
ClientSampleId :
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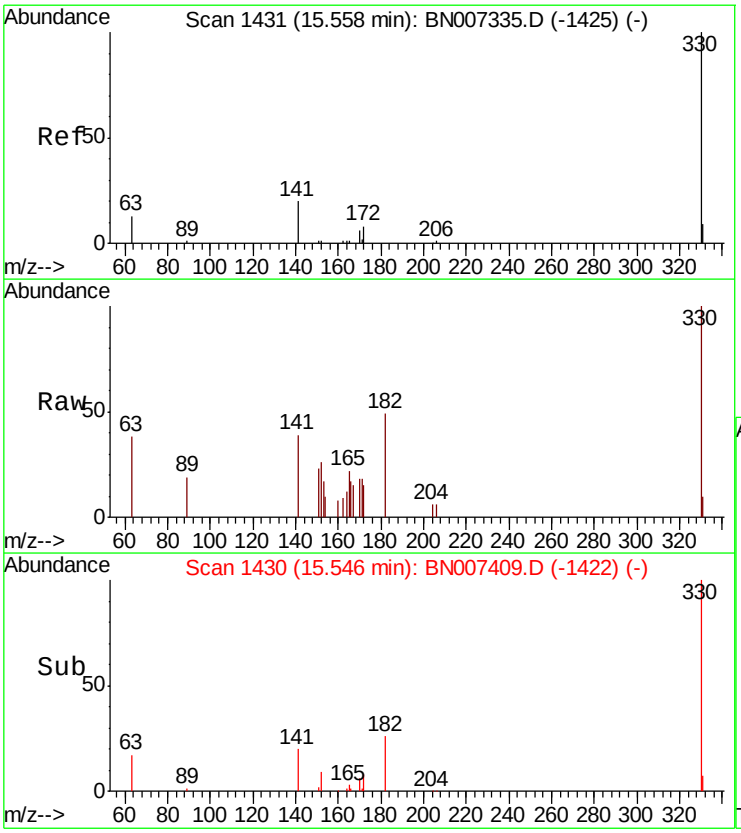
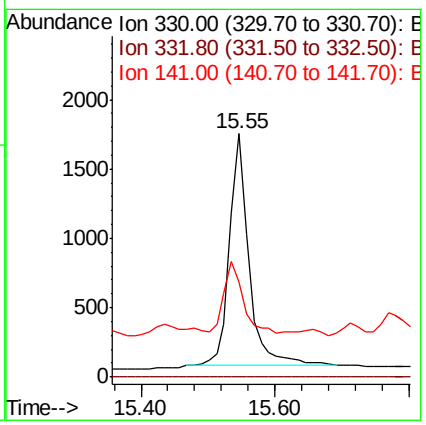
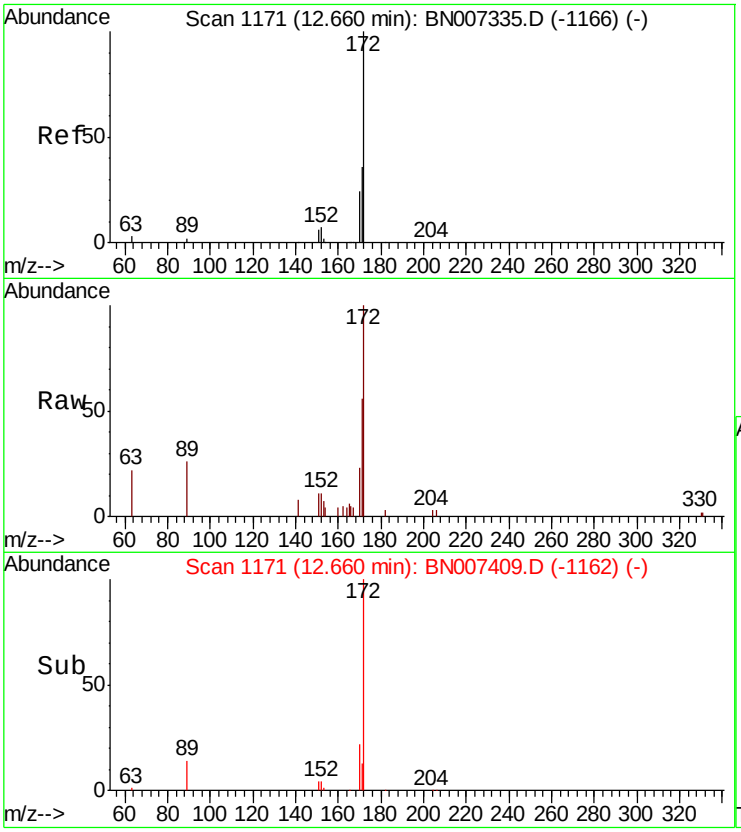


#14
2,4,6-Tribromophenol
Concen: 0.063 ng
RT: 15.55 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:330 Resp: 3346

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	30.2	26.9	40.3

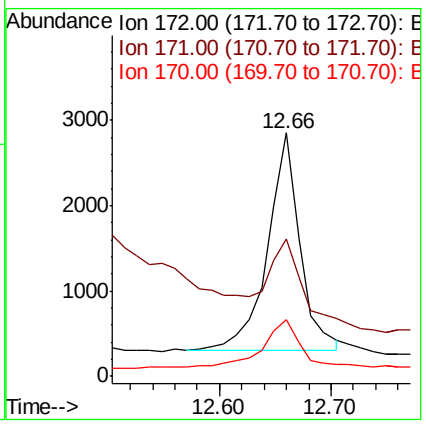




#15
2-Fluorobiphenyl
Concen: 0.012 ng
RT: 12.66 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:172 Resp: 5131

Ion	Ratio	Lower	Upper
172	100		
171	56.3	30.3	45.5#
170	23.3	20.7	31.1



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ClientSampleId :
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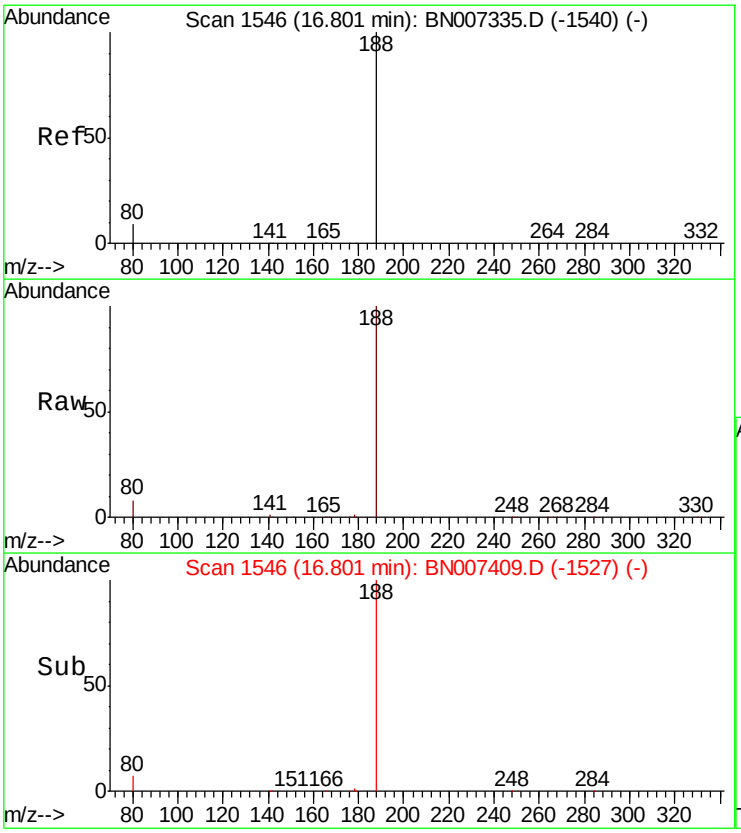
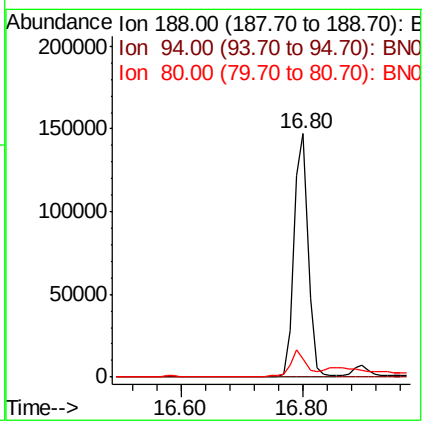
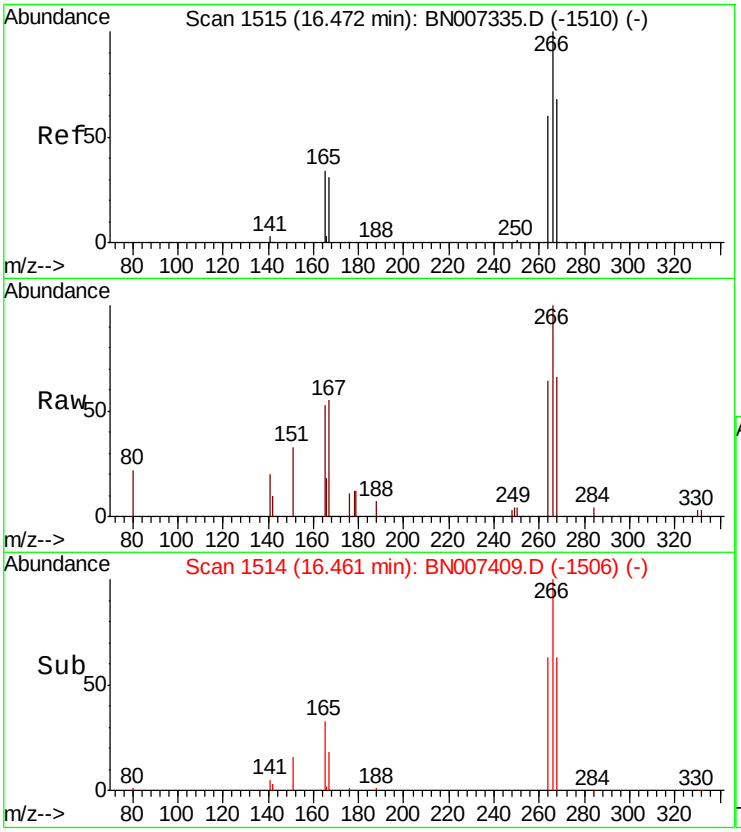


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:188 Resp: 227175

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.7	11.8	17.8#

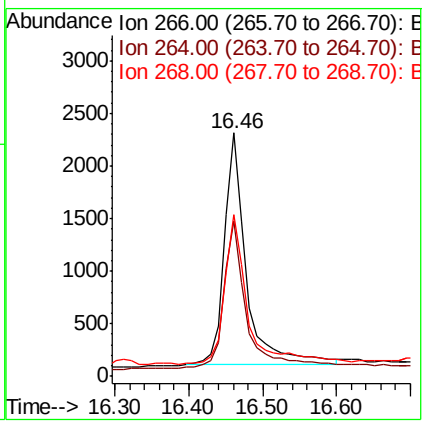




#22
Pentachlorophenol
Concen: 0.097 ng
RT: 16.46 min Scan# 1514
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:266 Resp: 4576

Ion	Ratio	Lower	Upper
266	100		
264	63.8	57.8	86.8
268	66.2	99.7	149.5#



Instrument :
BNA_N
ClientSampleId :
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Manual Integrations APPROVED
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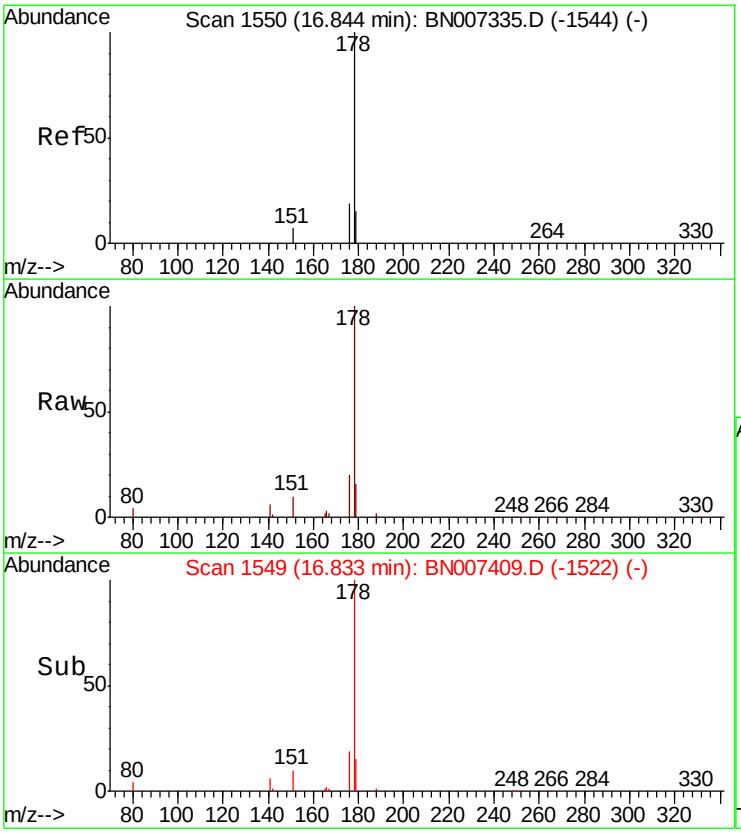
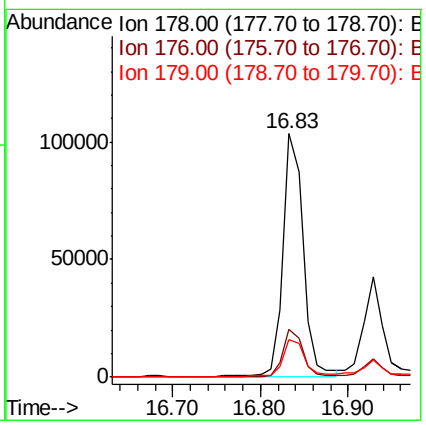
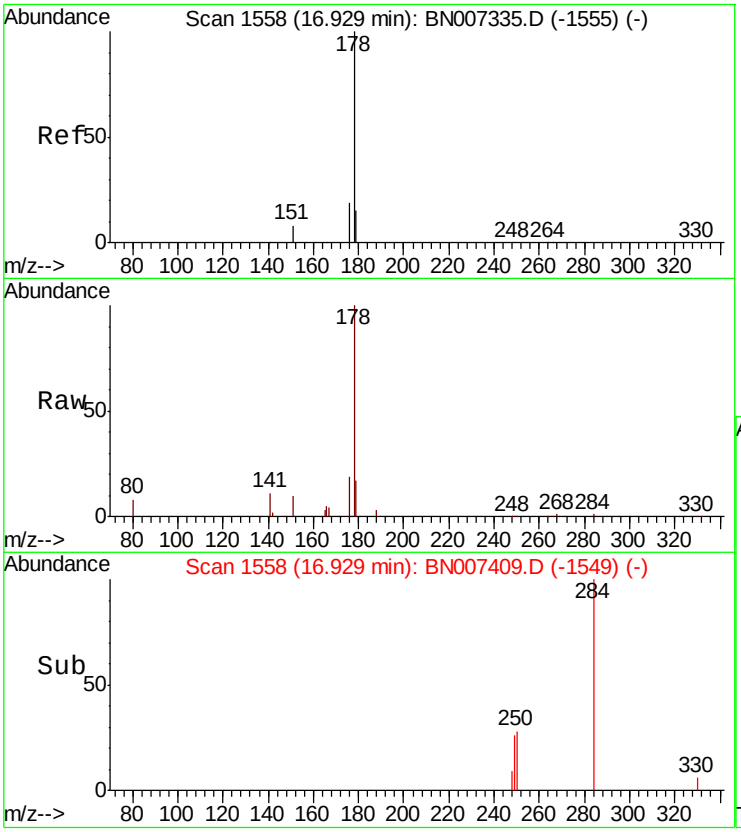


#23
Phenanthrene
Concen: 0.238 ng
RT: 16.83 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:178 Resp: 162893

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	16.4	12.6	19.0





#24
Anthracene
Concen: 0.096 ng
RT: 16.93 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:178 Resp: 65664

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	14.2	12.4	18.6

Instrument :
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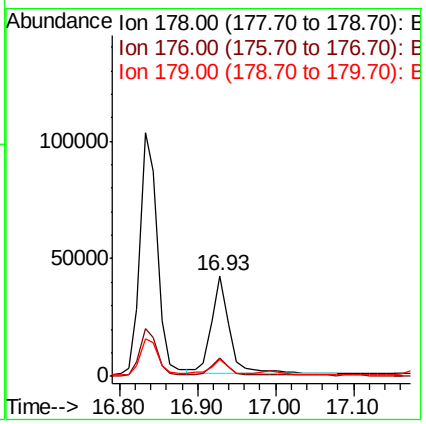
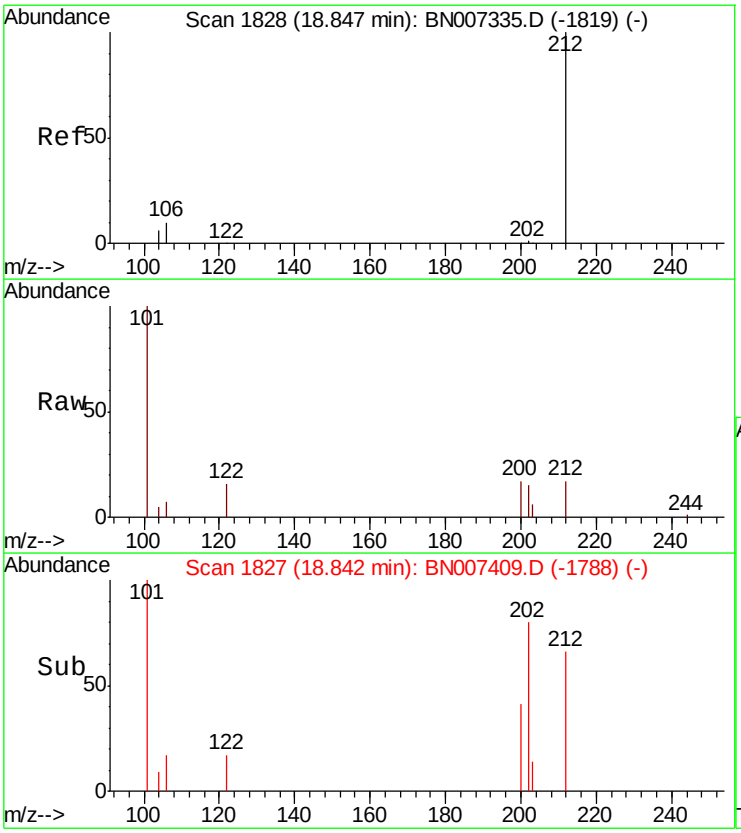
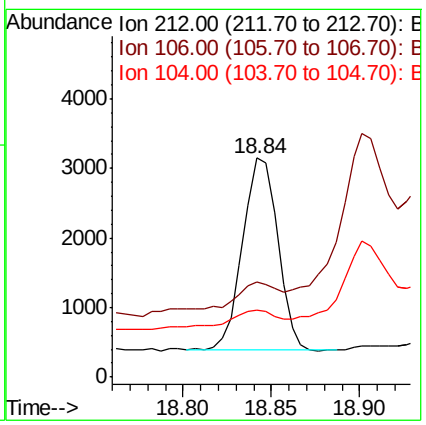


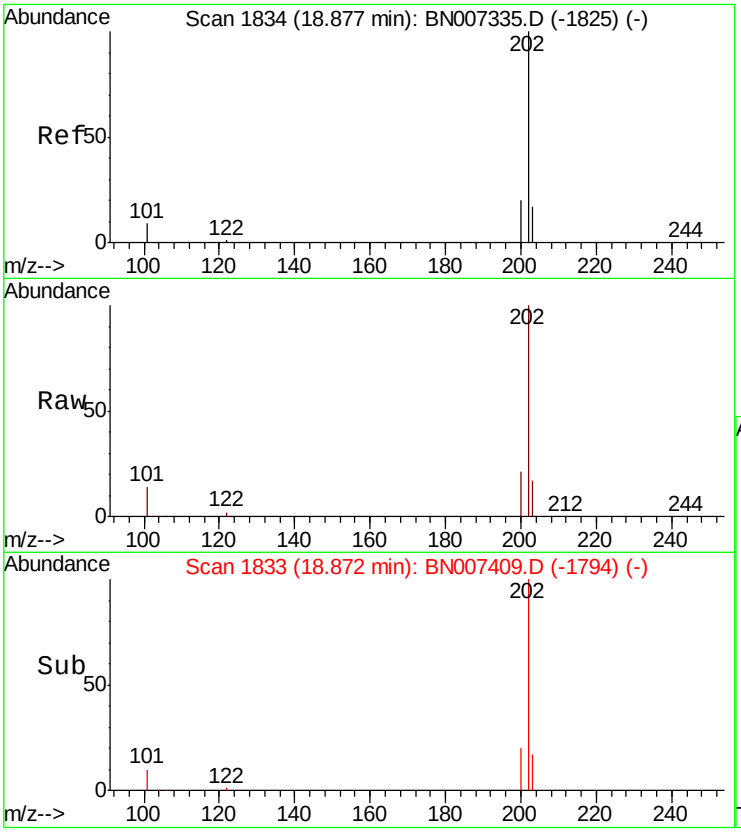


#25
Fluoranthene-d10
Concen: 0.005 ng
RT: 18.84 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:212 Resp: 3822

Ion	Ratio	Lower	Upper
212	100		
106	15.5	9.0	13.4#
104	14.5	5.4	8.2#

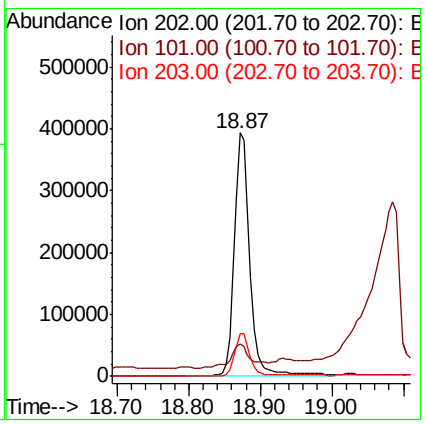




#26
Fluoranthene
Concen: 0.669 ng
RT: 18.87 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:202 Resp: 587219

Ion	Ratio	Lower	Upper
202	100		
101	12.5	7.7	11.5#
203	16.8	13.7	20.5



Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Manual Integrations APPROVED
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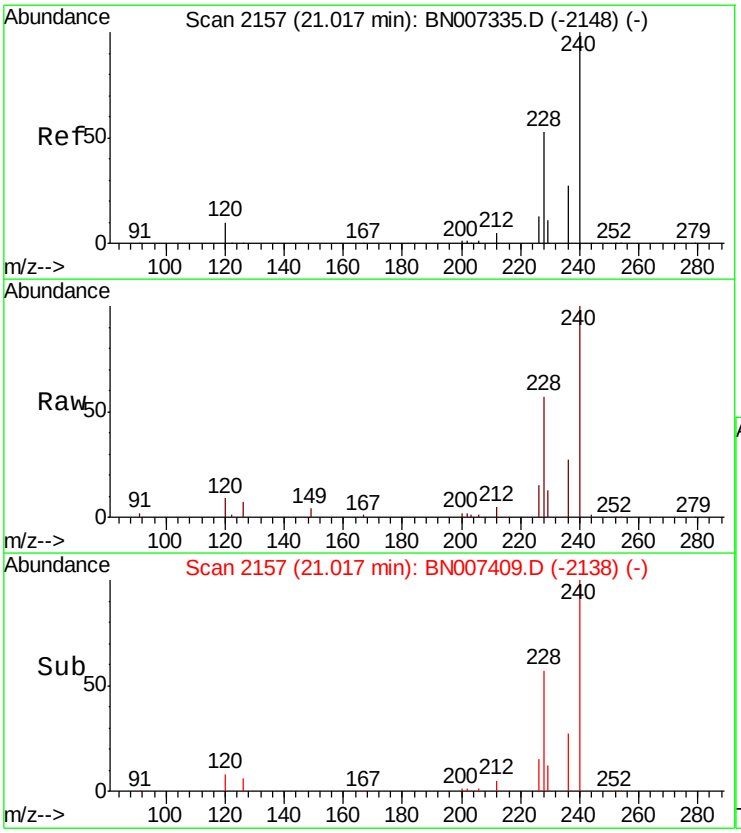
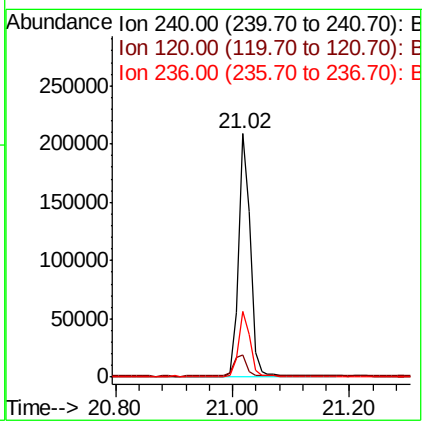
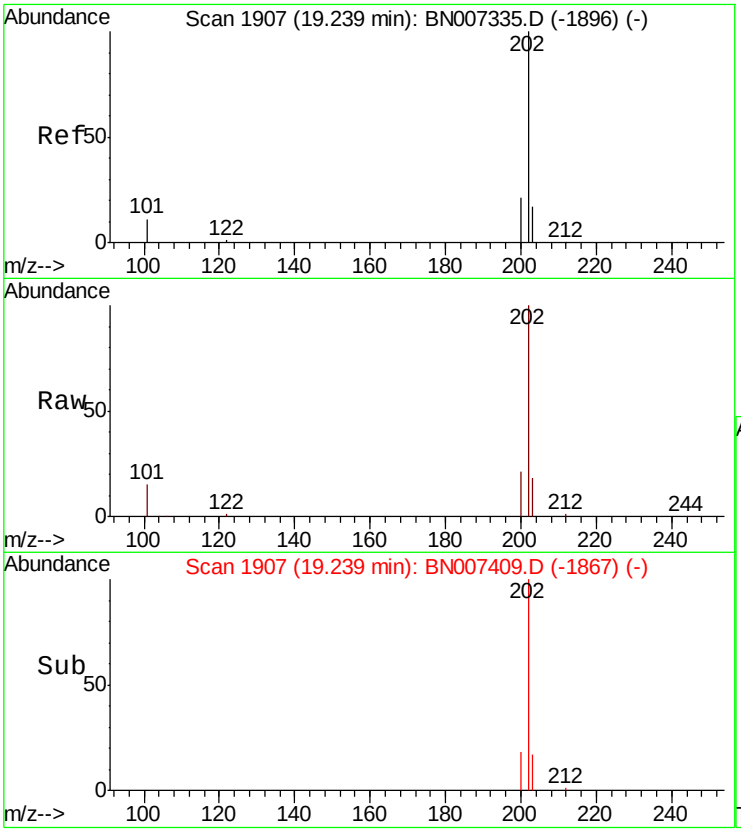


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:240 Resp: 284666

Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.6	14.4#
236	27.1	22.2	33.2





#28
Pyrene
Concen: 0.462 ng
RT: 19.24 min Scan# 1907
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:202 Resp: 528687

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.6	25.0
203	19.7	14.2	21.4

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

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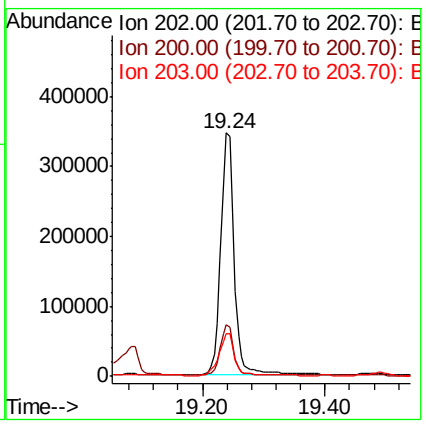
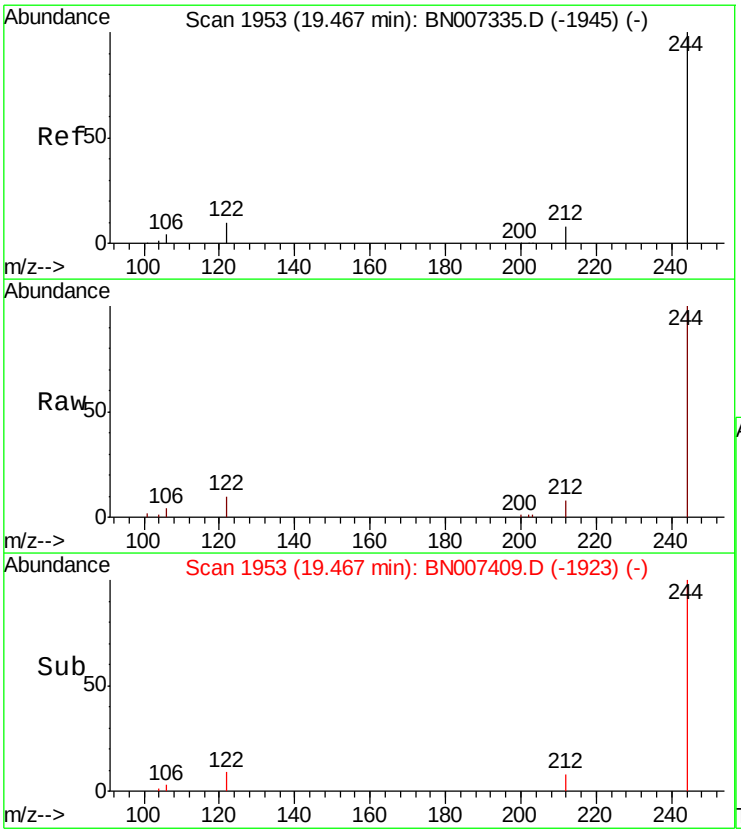
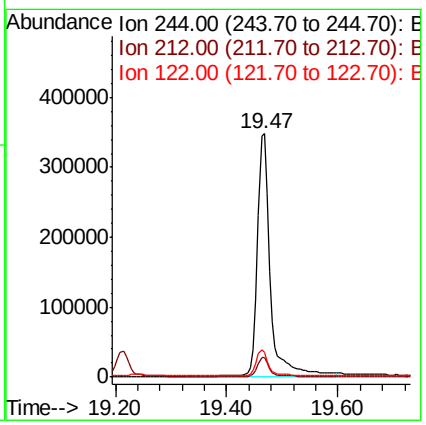


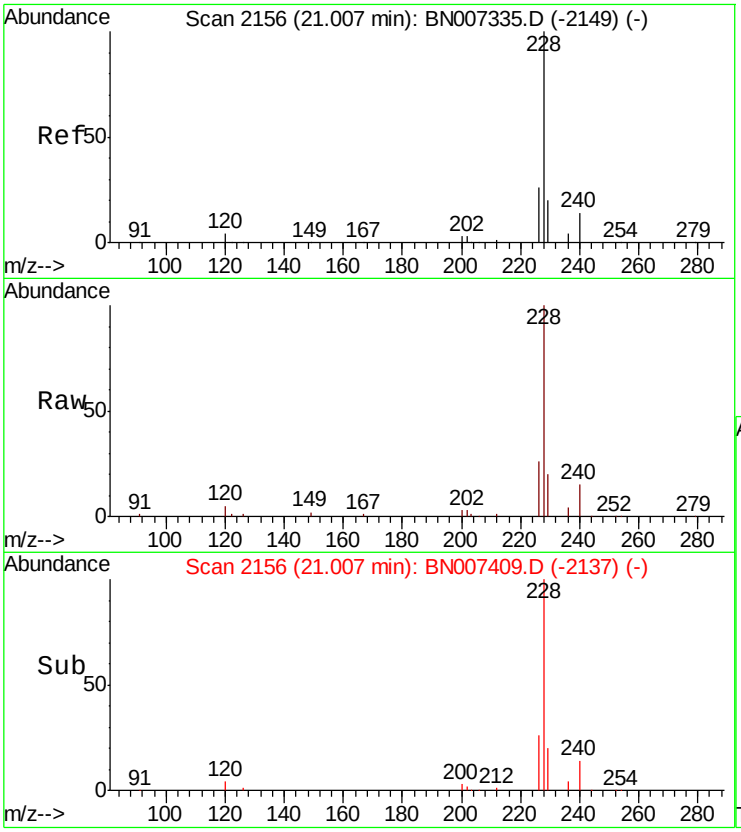


#29
Terphenyl-d14
Concen: 0.759 ng
RT: 19.47 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:244 Resp: 565386

Ion	Ratio	Lower	Upper
244	100		
212	8.0	7.0	10.6
122	10.1	9.6	14.4

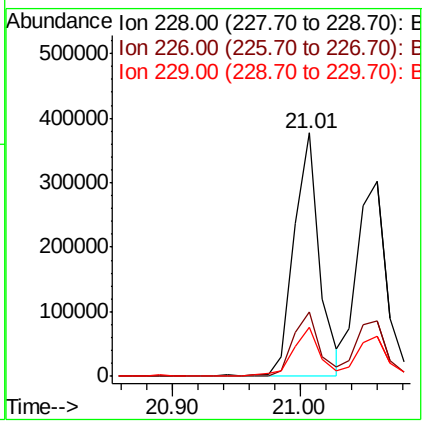




#30
Benzo(a)anthracene
Concen: 0.460 ng
RT: 21.01 min Scan# 2156
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:228 Resp: 514205

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.3	31.9
229	20.0	16.1	24.1



Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

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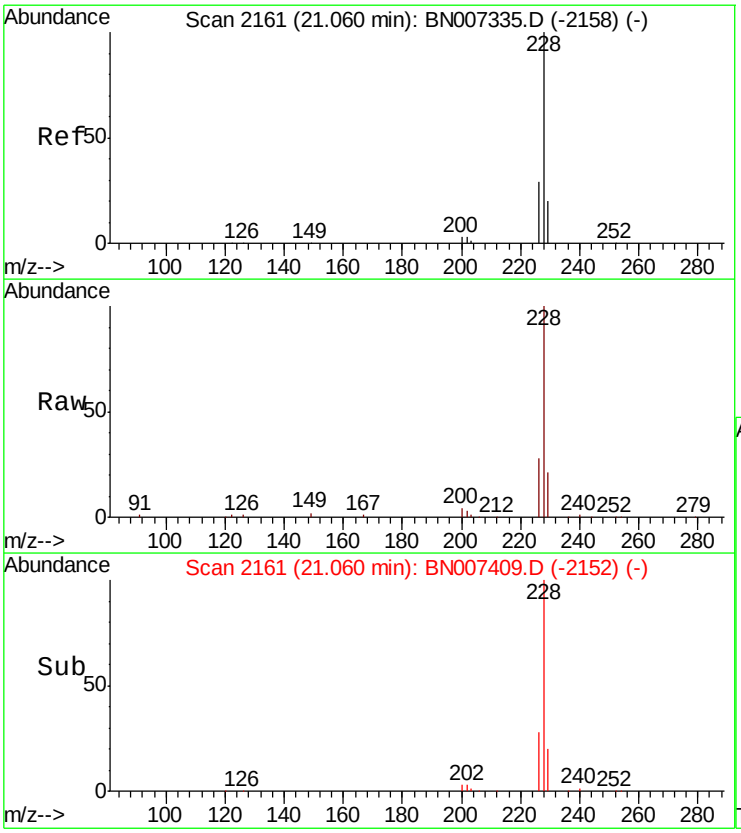
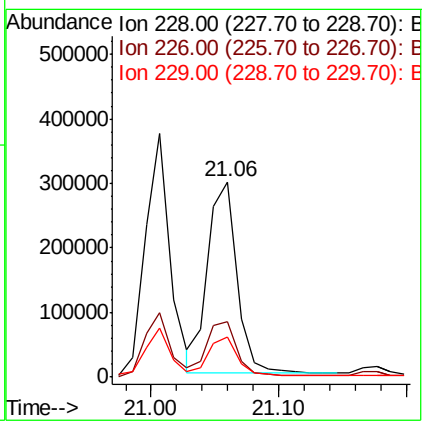
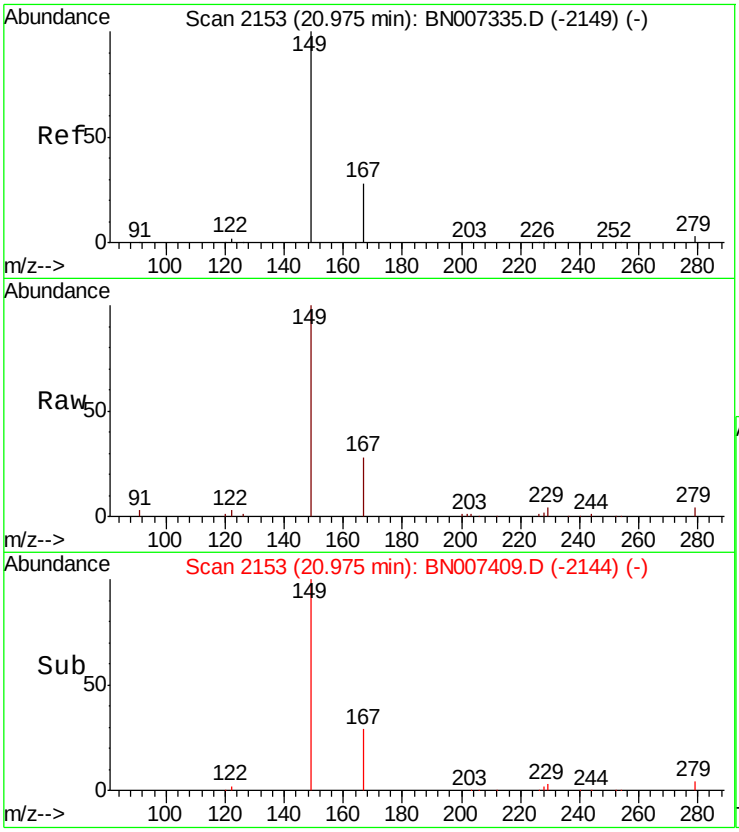


#31
Chrysene
Concen: 0.435 ng
RT: 21.06 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:228 Resp: 469325

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.5	35.3
229	20.8	16.6	24.8





#32
Bis(2-ethylhexyl)phthalate
Concen: 0.254 ng
RT: 20.97 min Scan# 2153
Delta R.T. 0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:149 Resp: 197747

Ion	Ratio	Lower	Upper
149	100		
167	26.3	22.8	34.2
279	4.1	3.5	5.3

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

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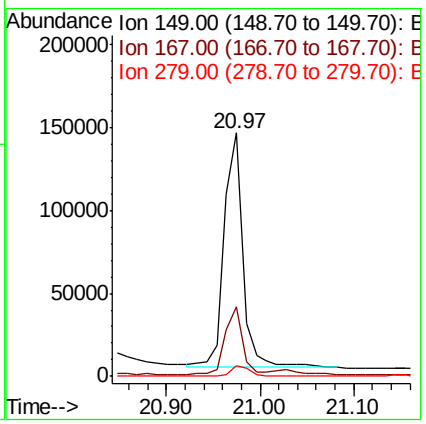
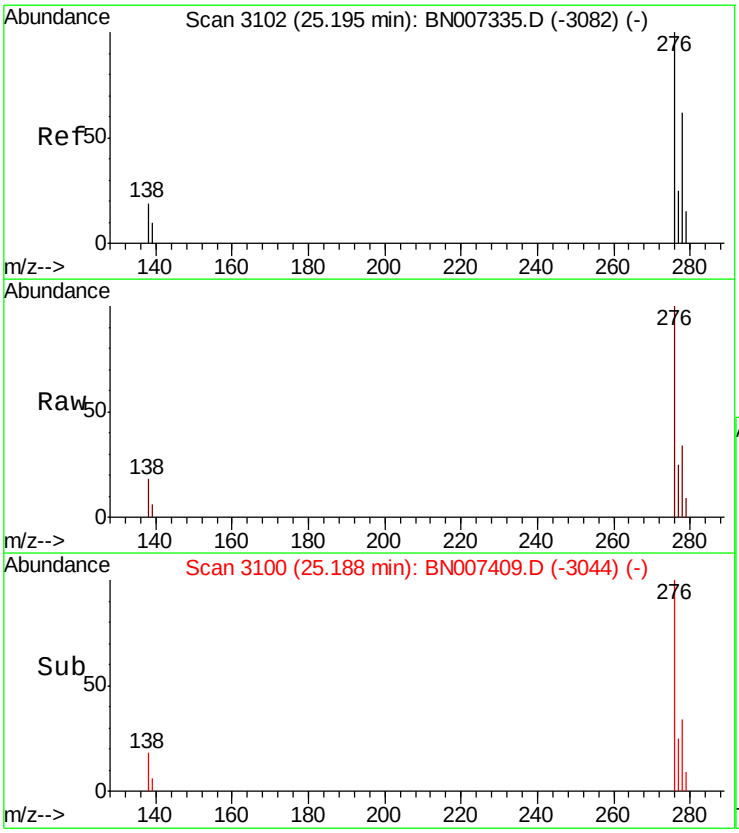
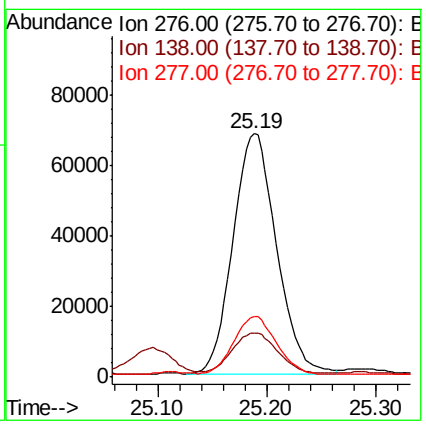


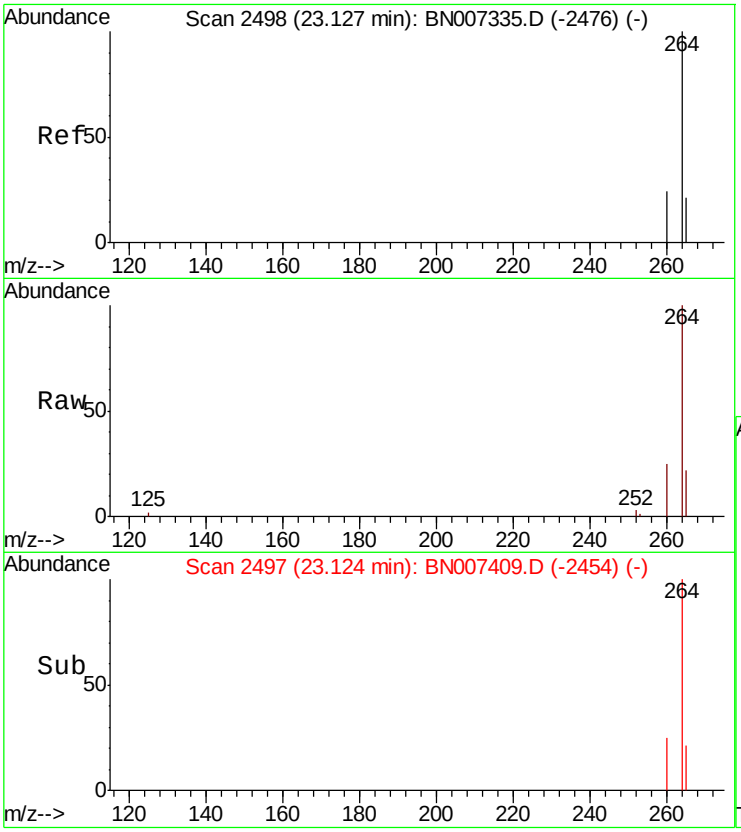


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.146 ng
RT: 25.19 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:276 Resp: 189632

Ion	Ratio	Lower	Upper
276	100		
138	17.6	15.1	22.7
277	23.6	19.7	29.5





#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:264 Resp: 339846

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	22.4	29.9	44.9#

Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

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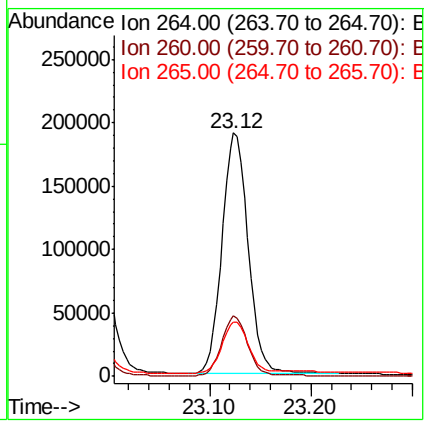
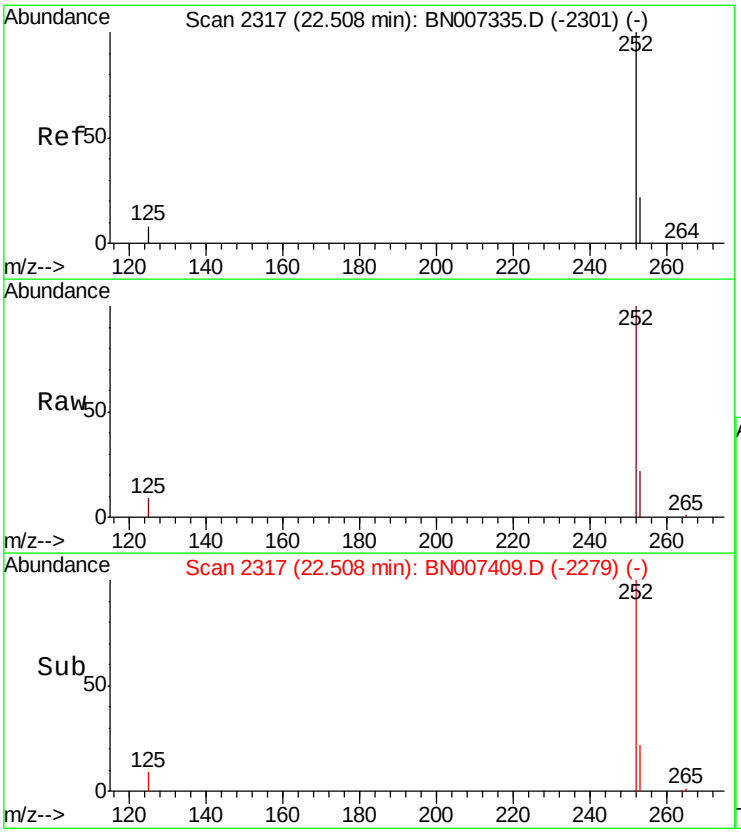
8/30/2019 8:57:04 AM

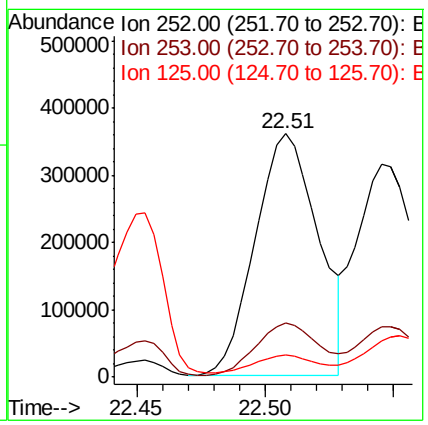


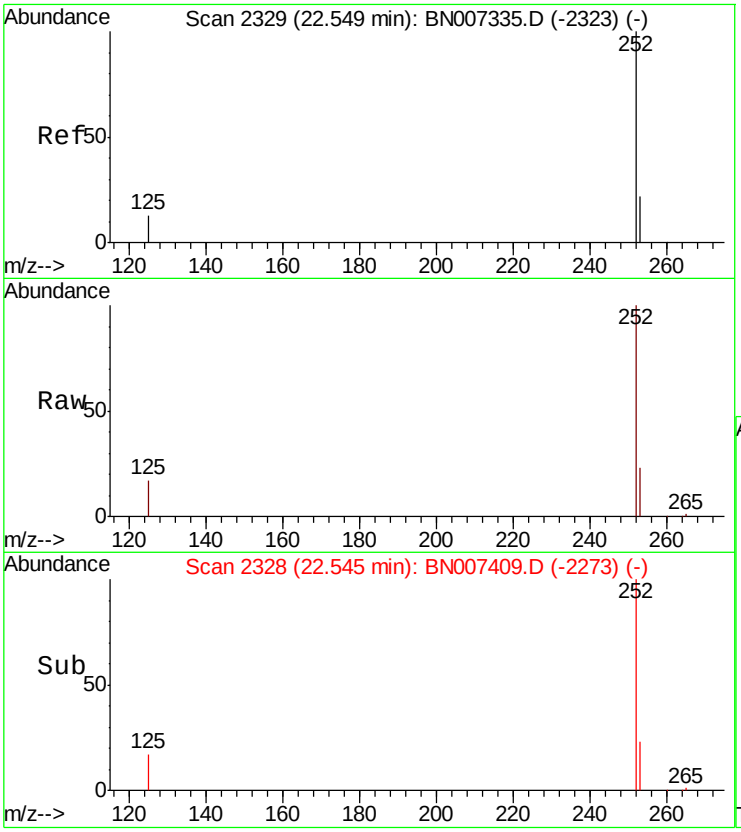


#35
Benzo(b)fluoranthene
Concen: 0.500 ng
RT: 22.51 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:252 Resp: 615676

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.2	28.8
125	8.9	10.6	16.0#

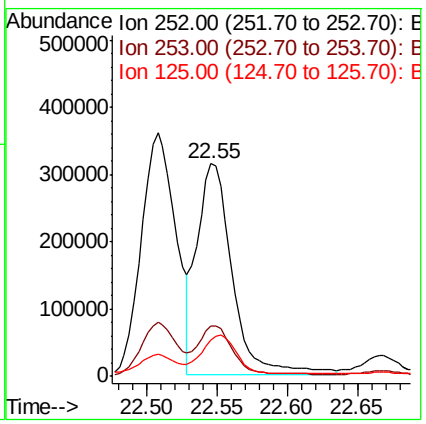




#36
Benzo(k)fluoranthene
Concen: 0.451 ng
RT: 22.55 min Scan# 2328
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:252 Resp: 549320

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.4	29.2
125	16.8	13.1	19.7



Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

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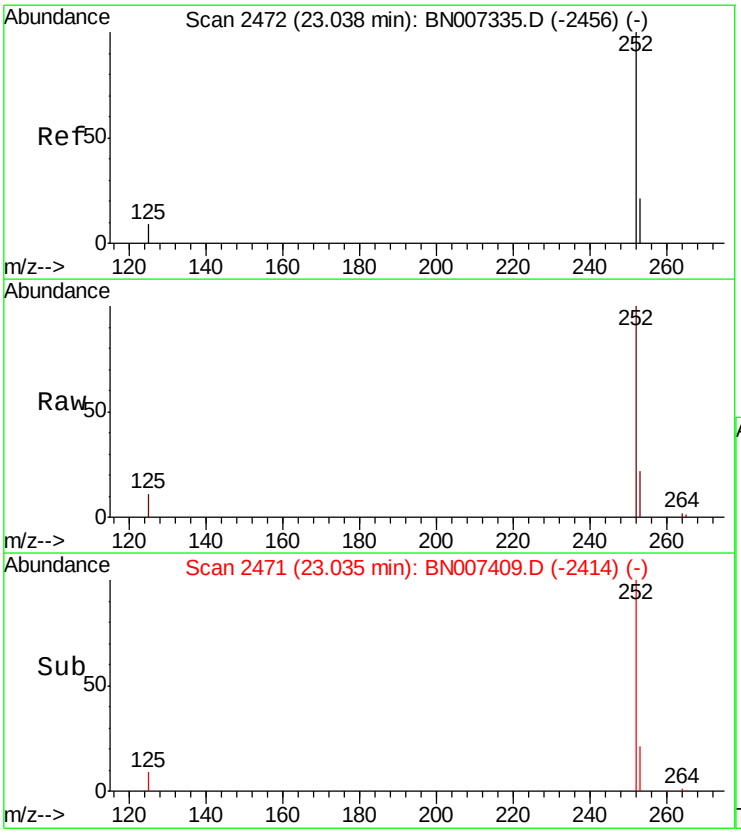
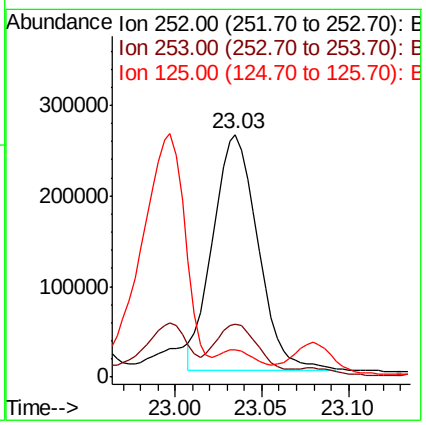
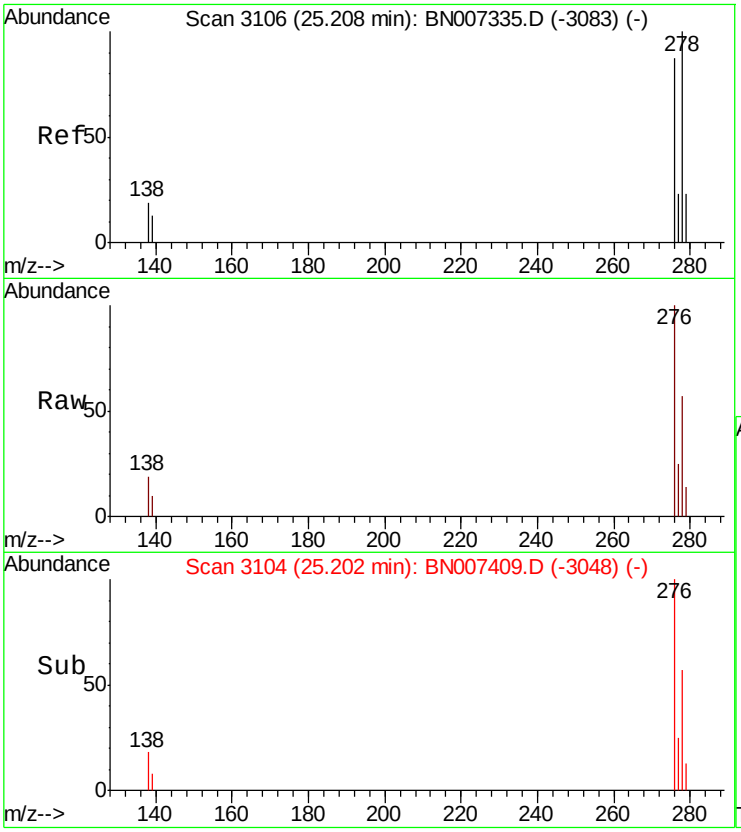


#37
Benzo(a)pyrene
Concen: 0.404 ng m
RT: 23.03 min Scan# 2471
Delta R.T. -0.00 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:252 Resp: 473459

Ion	Ratio	Lower	Upper
252	100		
253	21.9	19.5	29.3
125	11.2	12.1	18.1#

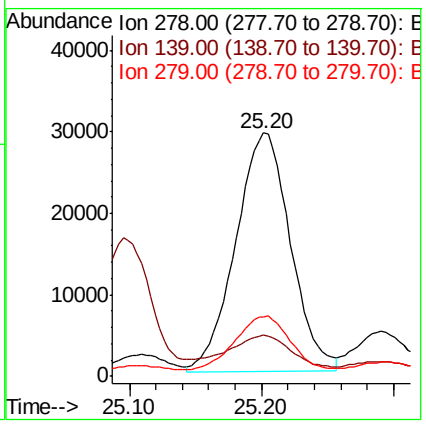




#38
Dibenzo(a,h)anthracene
Concen: 0.073 ng
RT: 25.20 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:278 Resp: 84850

Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.7	20.5
279	24.6	20.2	30.4



Instrument :
BNA_N
ClientSampleId :
S301-J-2.0-2.5-081919DL

Manual Integrations APPROVED
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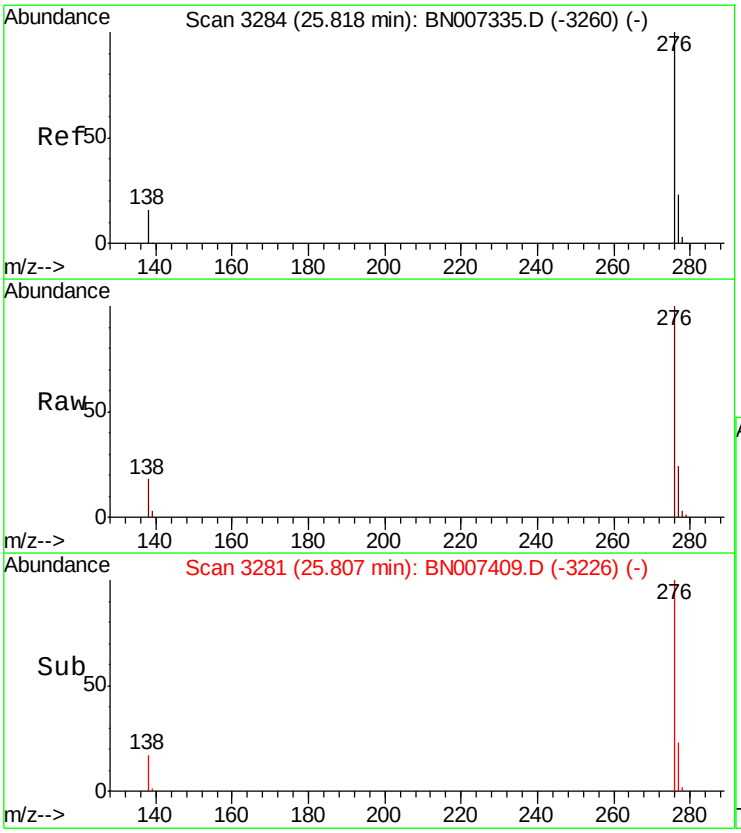
8/30/2019 8:57:04 AM



#39
Benzo(g,h,i)perylene
Concen: 0.133 ng
RT: 25.81 min Scan# 3281
Delta R.T. -0.01 min
Lab File: BN007409.D
Acq: 26 Aug 2019 14:07

Tgt Ion:276 Resp: 154454

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	18.4	16.3	24.5