Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
Data File : BN007413.D
Acq On : 26 Aug 2019 17:13
Operator : HP/JU
Sample : K4409-11DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Manual Integrations APPROVED
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8/30/2019 8:57:07 AM

Quant Time: Aug 26 17:47:27 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	47689	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	191221	0.40	ng		-0.01
13) Acenaphthene-d10	14.05	164	116163	0.40	ng		0.00
19) Phenanthrene-d10	16.79	188	251982	0.40	ng		0.00
27) Chrysene-d12	21.02	240	268952	0.40	ng		0.00
34) Perylene-d12	23.12	264	292641	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.03	112	1060	-0.02	ng		0.00
5) Phenol-d6	6.59	99	1416	-0.03	ng		0.00
8) Nitrobenzene-d5	8.53	82	979	0.01	ng		0.00
11) 2-Methylnaphthalene-d10	11.76	152	2088	0.01	ng		0.00
14) 2,4,6-Tribromophenol	15.55	330	394	0.01	ng		0.00
15) 2-Fluorobiphenyl	12.66	172	2603	0.01	ng		0.00
25) Fluoranthene-d10	18.84	212	4882	0.01	ng		0.00
29) Terphenyl-d14	19.46	244	4835	0.01	ng		0.00
Target Compounds							Qvalue
9) Naphthalene	10.20	128	13365	0.024	ng	#	91
23) Phenanthrene	16.84	178	150021	0.198	ng		99
24) Anthracene	16.93	178	38034	0.050	ng		100
26) Fluoranthene	18.87	202	518846	0.533	ng		100
28) Pyrene	19.24	202	425599	0.393	ng	#	96
30) Benzo(a)anthracene	21.00	228	320363	0.303	ng		99
31) Chrysene	21.05	228	243807	0.239	ng		99
33) Indeno(1,2,3-cd)pyrene	25.18	276	141990	0.116	ng		98
35) Benzo(b)fluoranthene	22.50	252	313011m	0.295	ng		
36) Benzo(k)fluoranthene	22.54	252	116110m	0.111	ng		
37) Benzo(a)pyrene	23.03	252	235110m	0.233	ng		
38) Dibenzo(a,h)anthracene	25.19	278	37937	0.038	ng	#	88
39) Benzo(g,h,i)perylene	25.80	276	128237	0.128	ng		97

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

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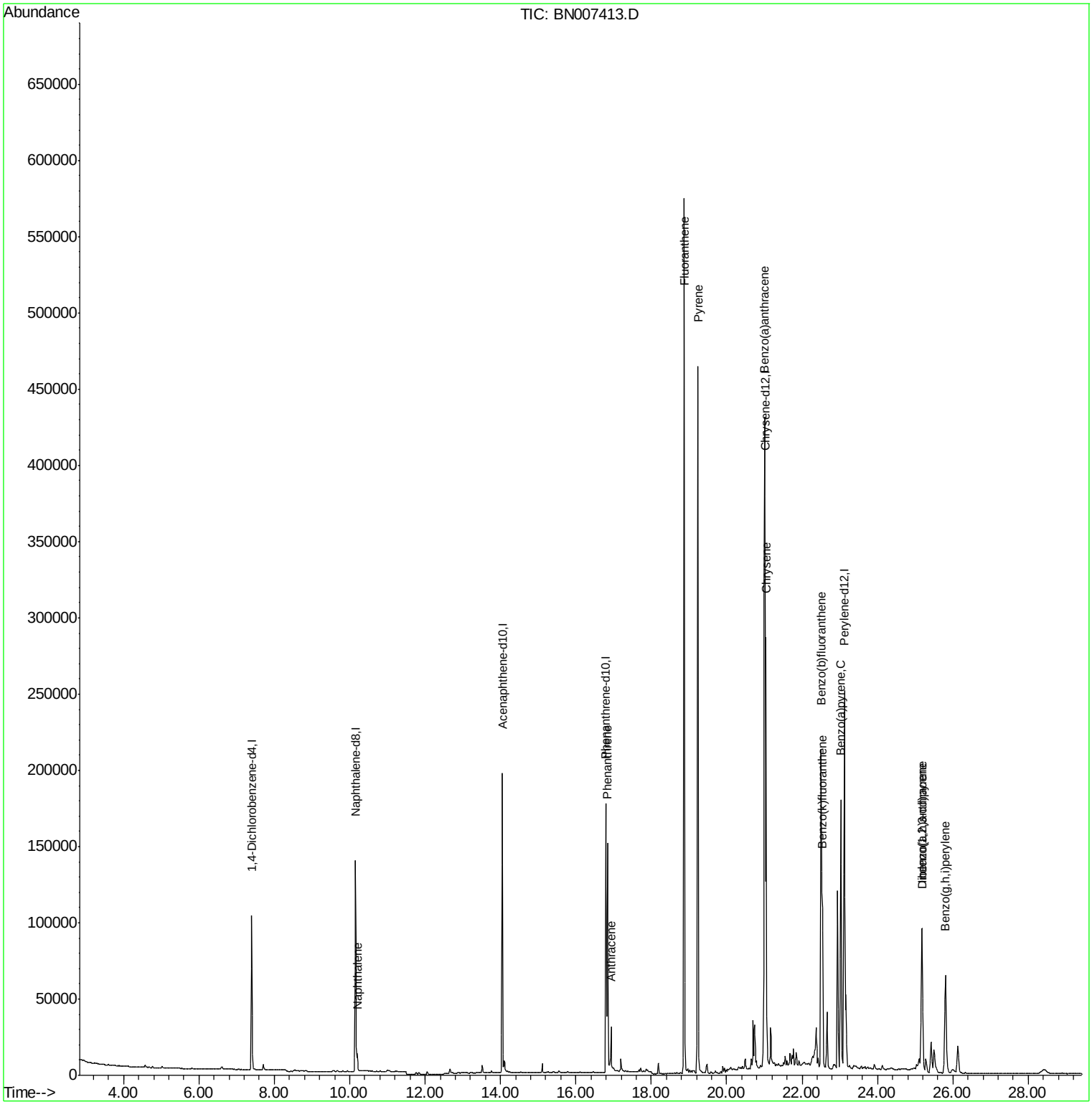
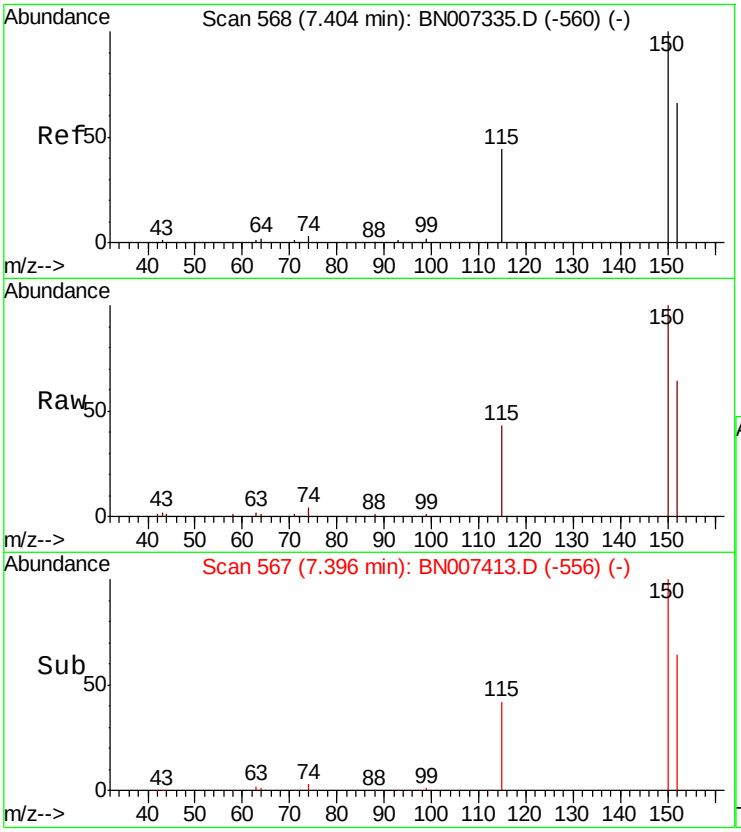
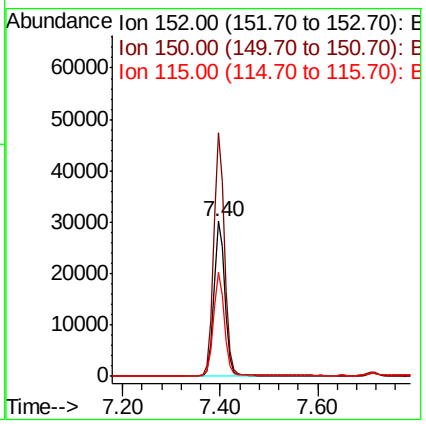




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:152 Resp: 47689

Ion	Ratio	Lower	Upper
152	100		
150	157.2	109.1	163.7
115	67.1	59.6	89.4



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

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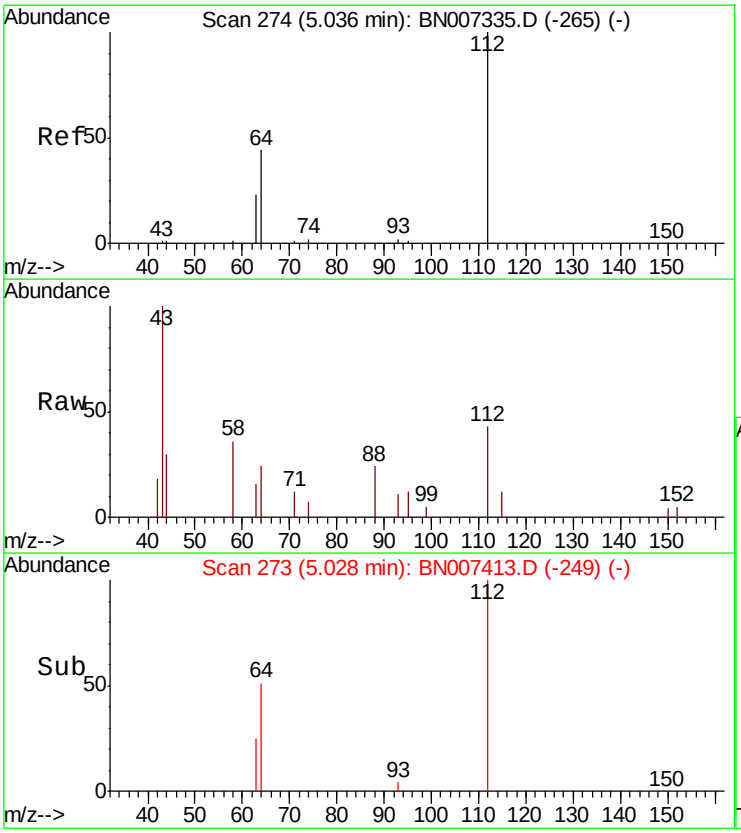
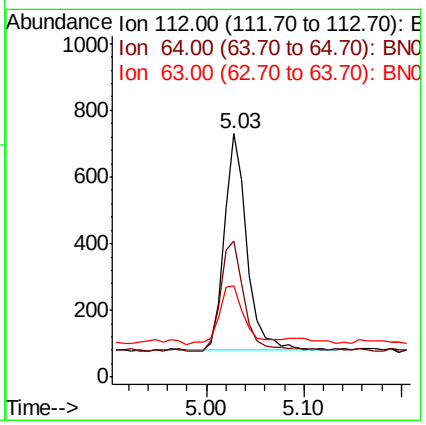
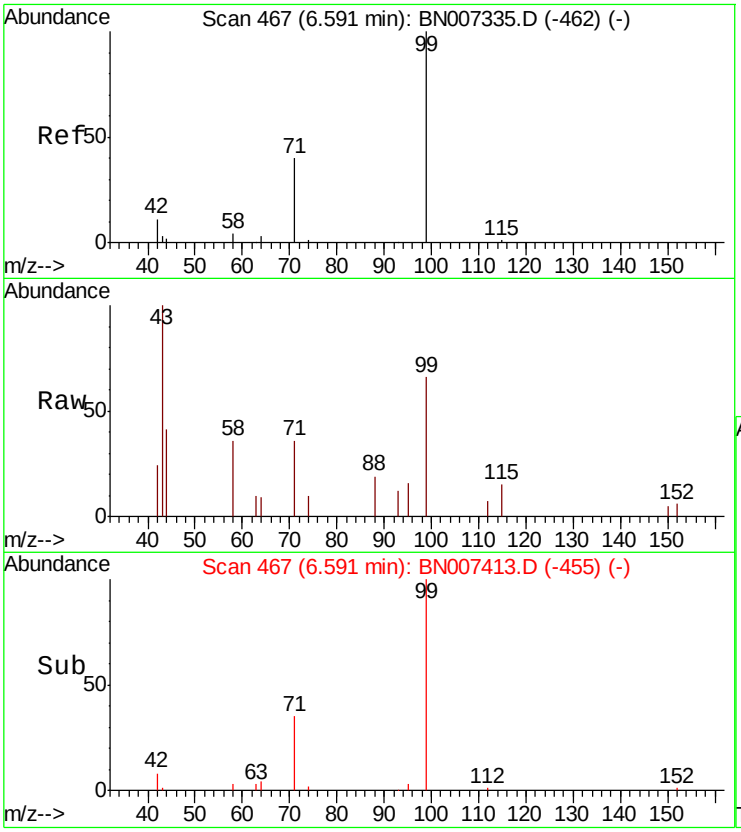


#4
2-Fluorophenol
Concen: -0.023 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:112 Resp: 1060

Ion	Ratio	Lower	Upper
112	100		
64	55.6	42.3	63.5
63	30.7	23.6	35.4

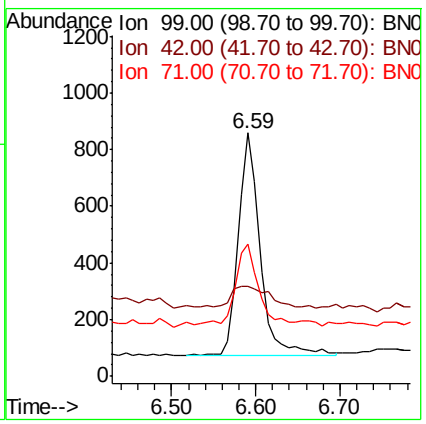




#5
Phenol-d6
Concen: -0.025 ng
RT: 6.59 min Scan# 467
Delta R.T. 0.00 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion: 99 Resp: 1416

Ion	Ratio	Lower	Upper
99	100		
42	15.9	11.2	16.8
71	40.0	31.8	47.8



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

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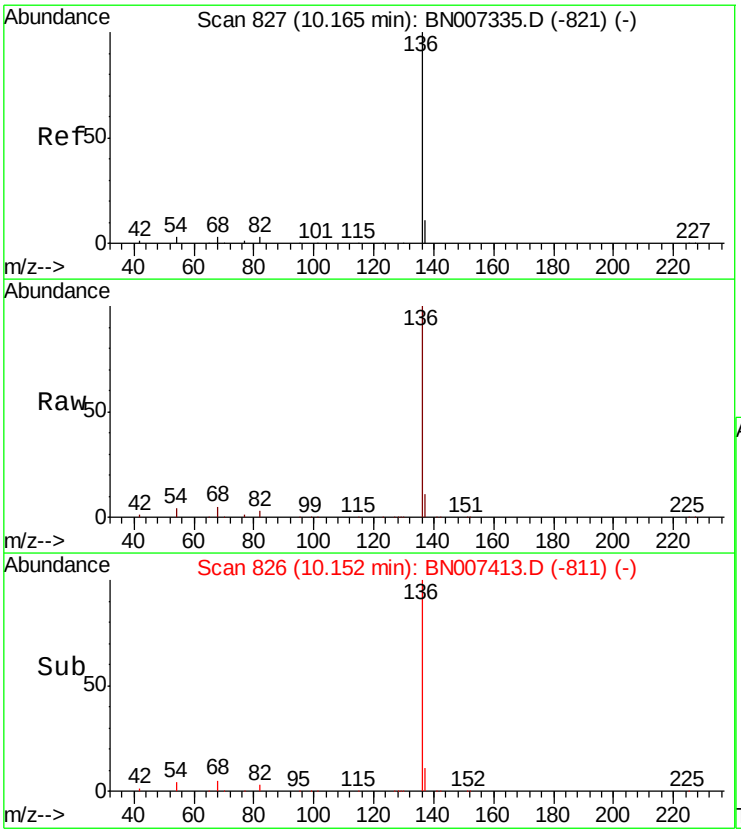
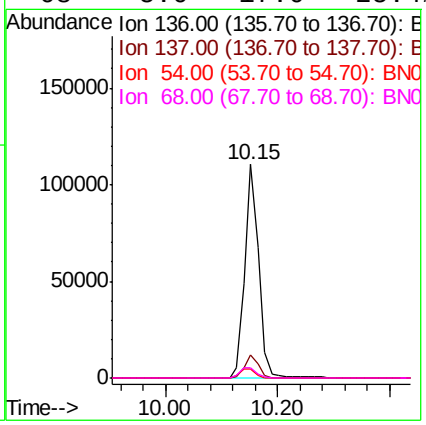
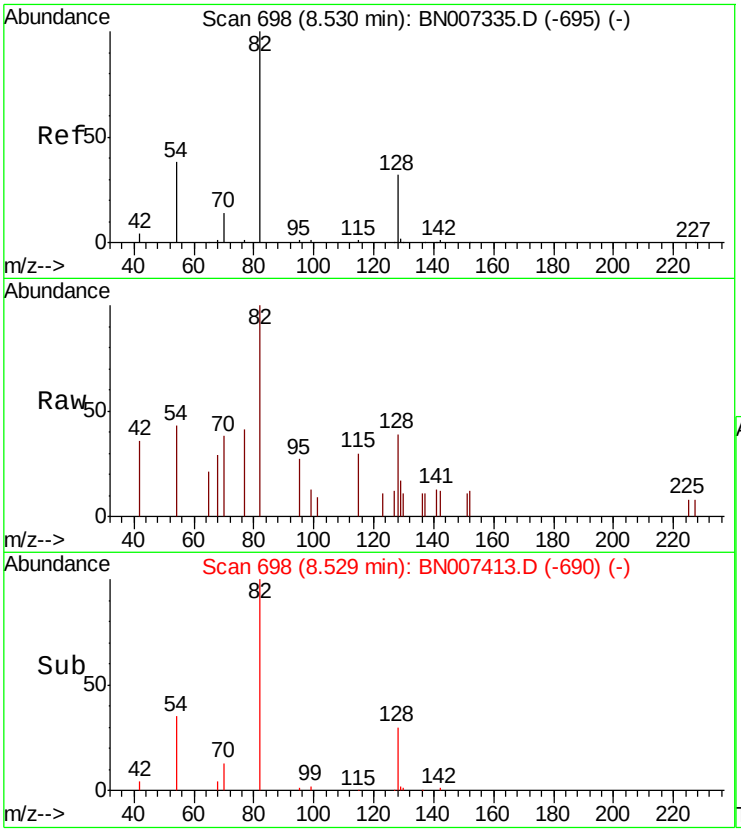


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 826
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:136 Resp: 191221

Ion	Ratio	Lower	Upper
136	100		
137	11.0	12.9	19.3#
54	4.0	8.6	12.8#
68	5.0	17.0	25.4#





#8
Nitrobenzene-d5
Concen: 0.006 ng
RT: 8.53 min Scan# 698
Delta R.T. -0.00 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion: 82 Resp: 979

Ion	Ratio	Lower	Upper
82	100		
128	38.6	19.7	29.5#
54	42.7	25.8	38.6#

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

Manual Integrations APPROVED
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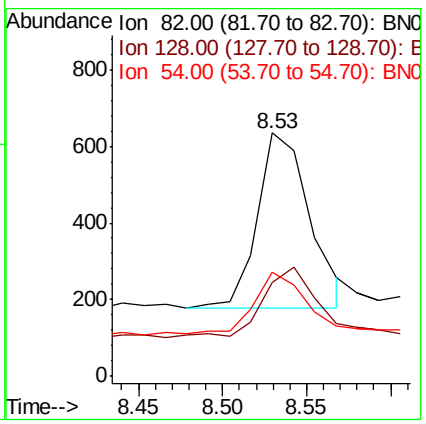
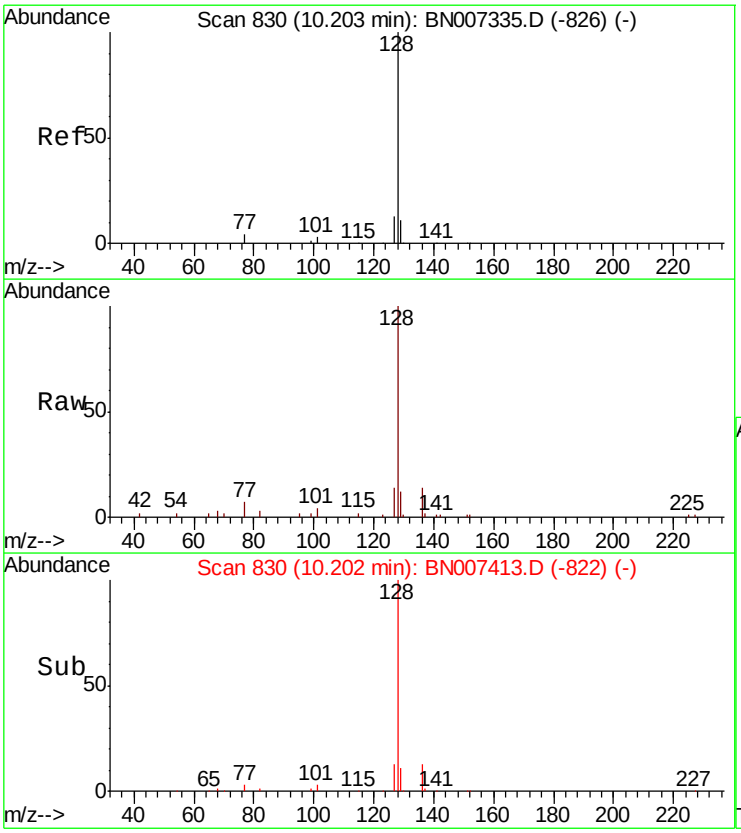
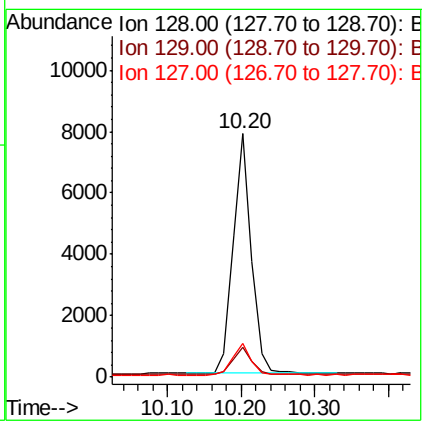


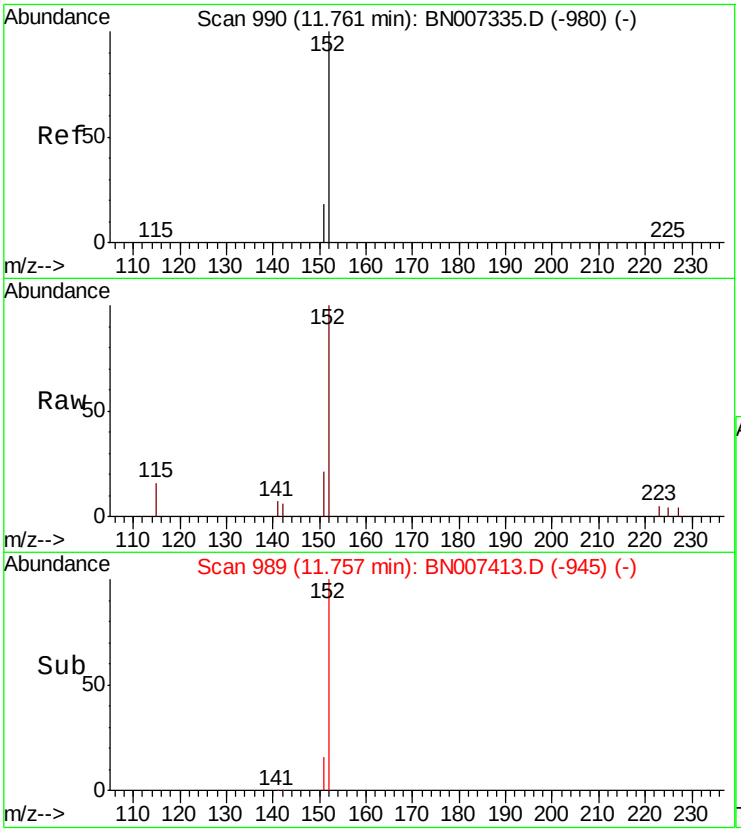


#9
Naphthalene
Concen: 0.024 ng
RT: 10.20 min Scan# 830
Delta R.T. -0.00 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:128 Resp: 13365

Ion	Ratio	Lower	Upper
128	100		
129	12.0	11.1	16.7
127	14.0	15.5	23.3#

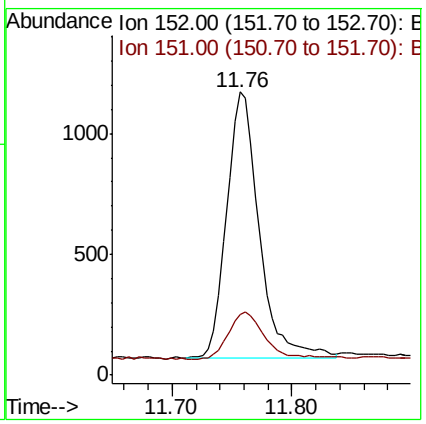




#11
2-Methylnaphthalene-d10
Concen: 0.007 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:152 Resp: 2088

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.2	24.2



Instrument :
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ClientSampleId :
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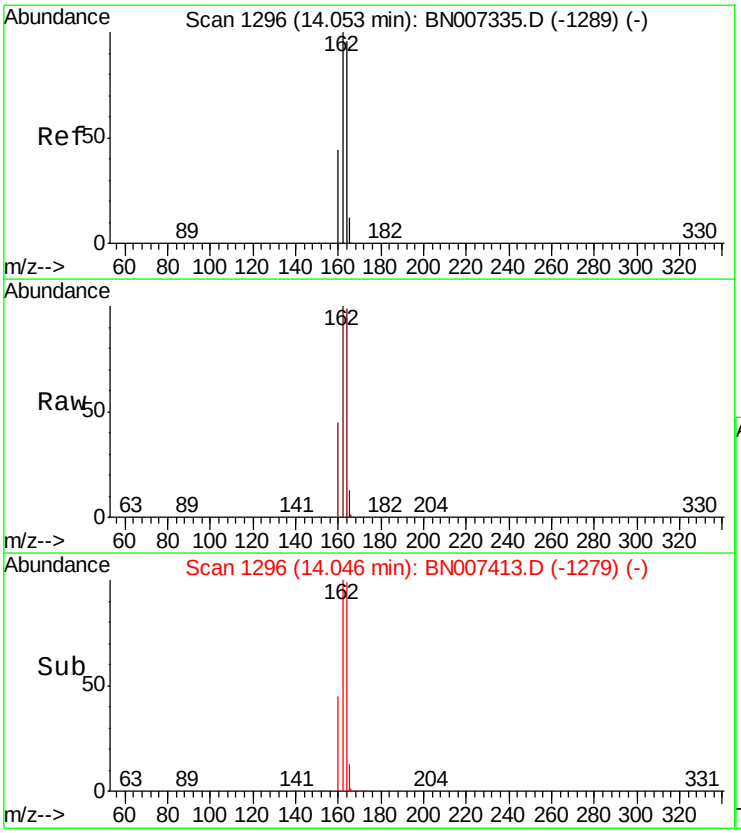
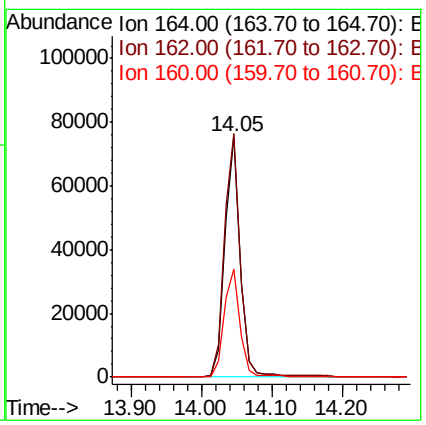
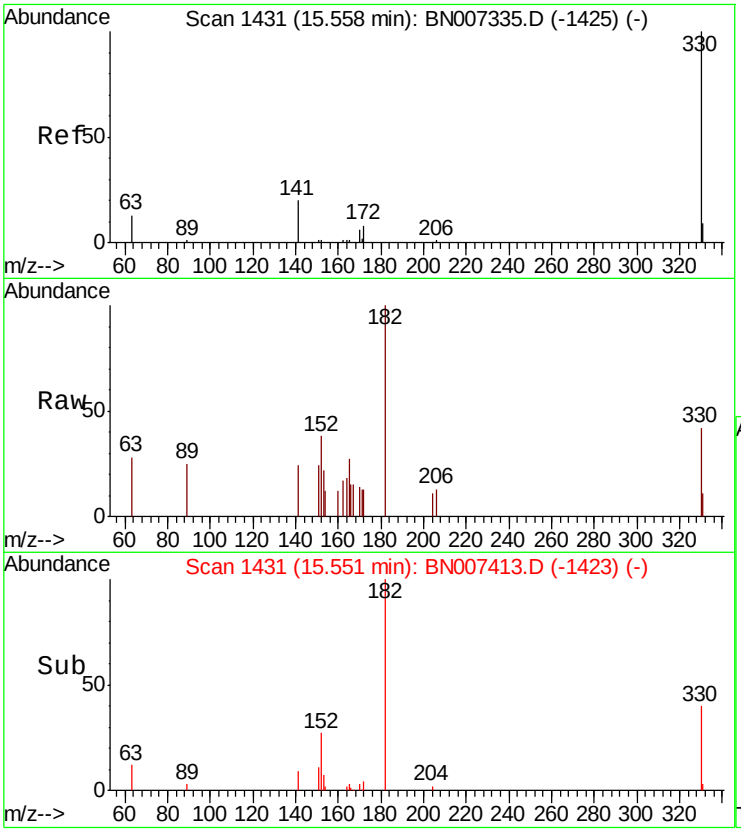


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:164 Resp: 116163

Ion	Ratio	Lower	Upper
164	100		
162	101.5	83.5	125.3
160	45.2	38.2	57.4

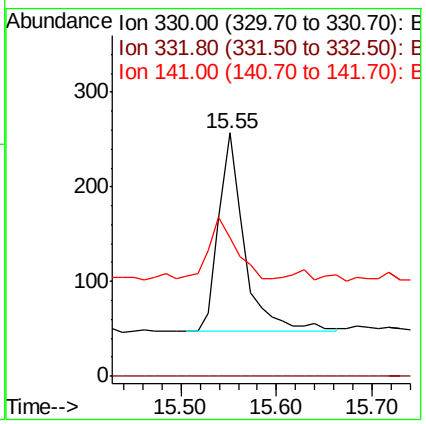




#14
2,4,6-Tribromophenol
Concen: 0.006 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:330 Resp: 394

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.0	26.9	40.3



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ClientSampleId :
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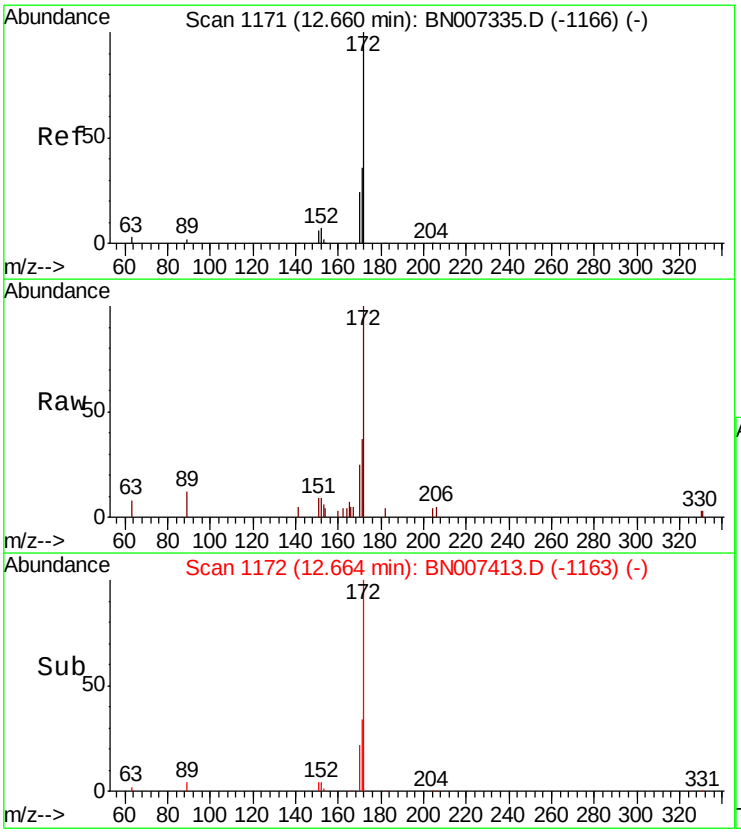
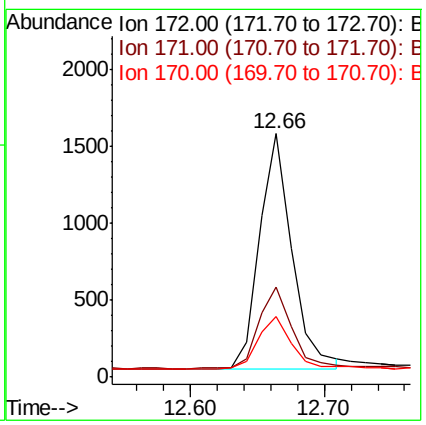
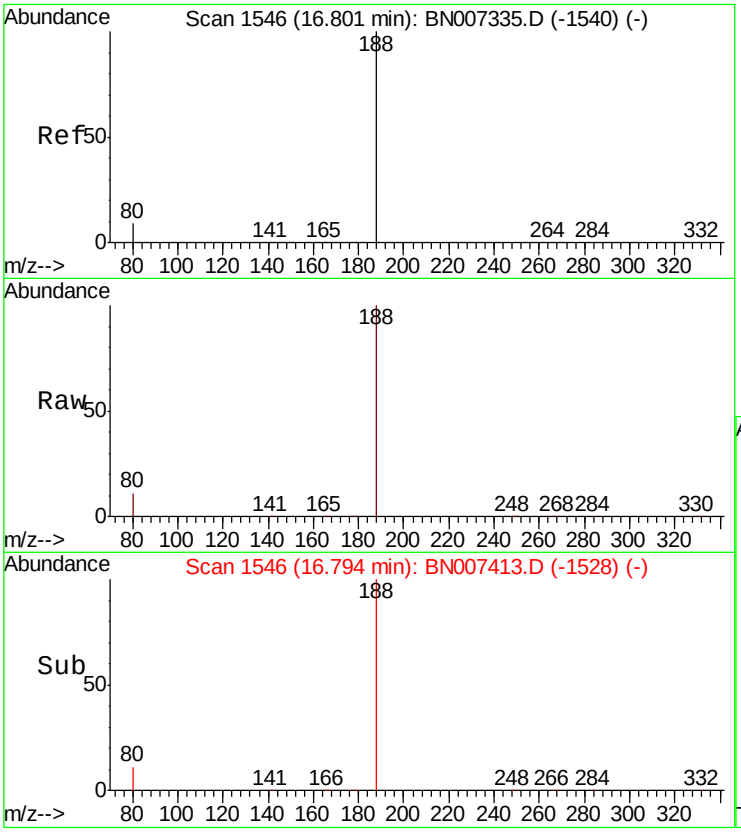


#15
2-Fluorobiphenyl
Concen: 0.006 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:172 Resp: 2603

Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.3	45.5
170	25.1	20.7	31.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:188 Resp: 251982

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.8	11.8	17.8#

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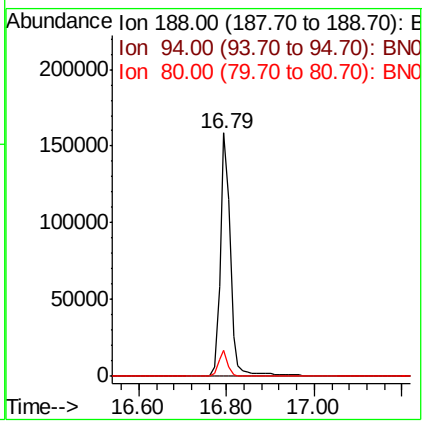
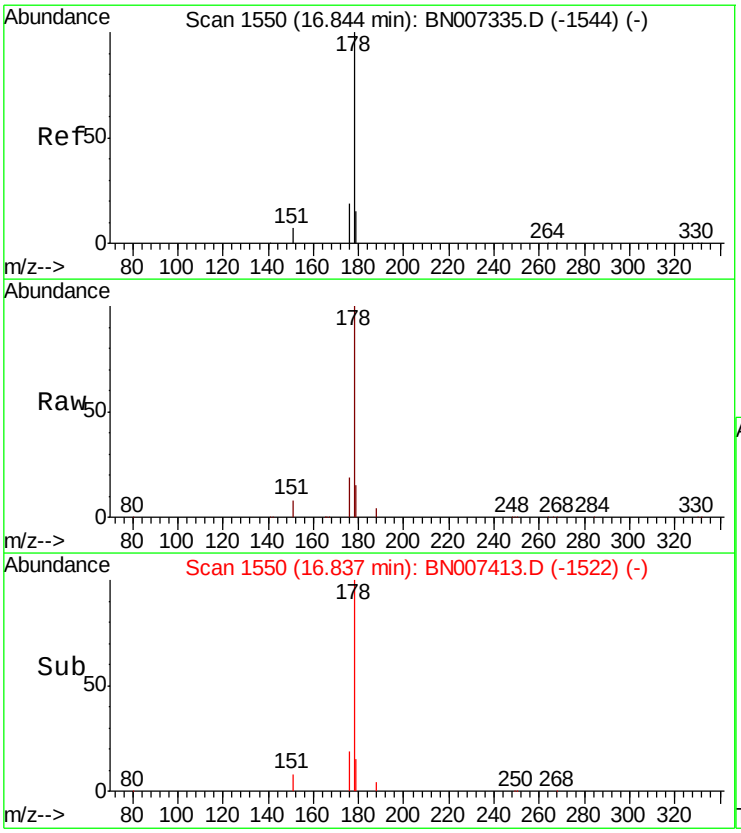
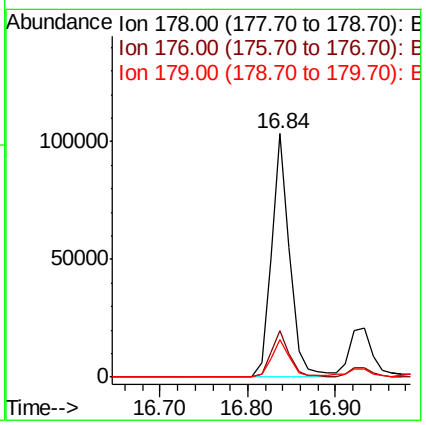


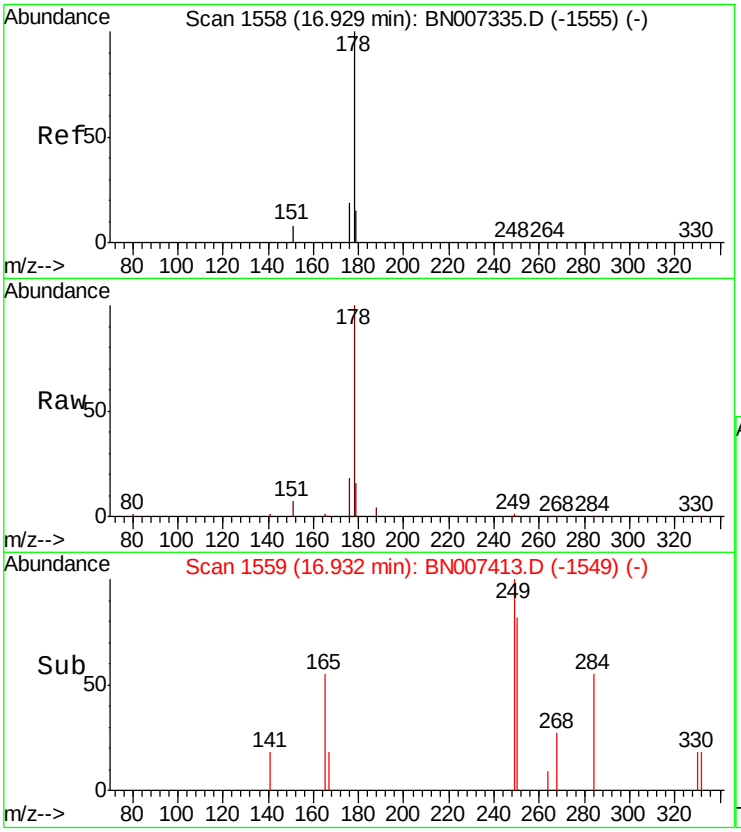


#23
Phenanthrene
Concen: 0.198 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:178 Resp: 150021

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.3	12.6	19.0

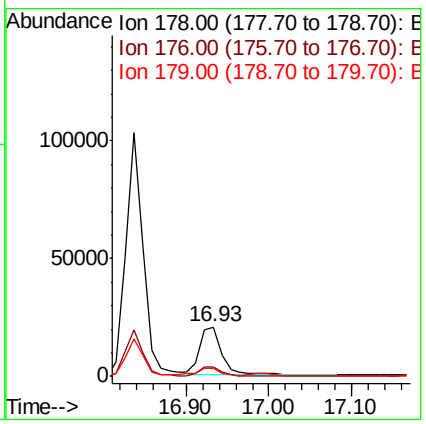




#24
Anthracene
Concen: 0.050 ng
RT: 16.93 min Scan# 1559
Delta R.T. 0.00 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:178 Resp: 38034

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.3	12.4	18.6



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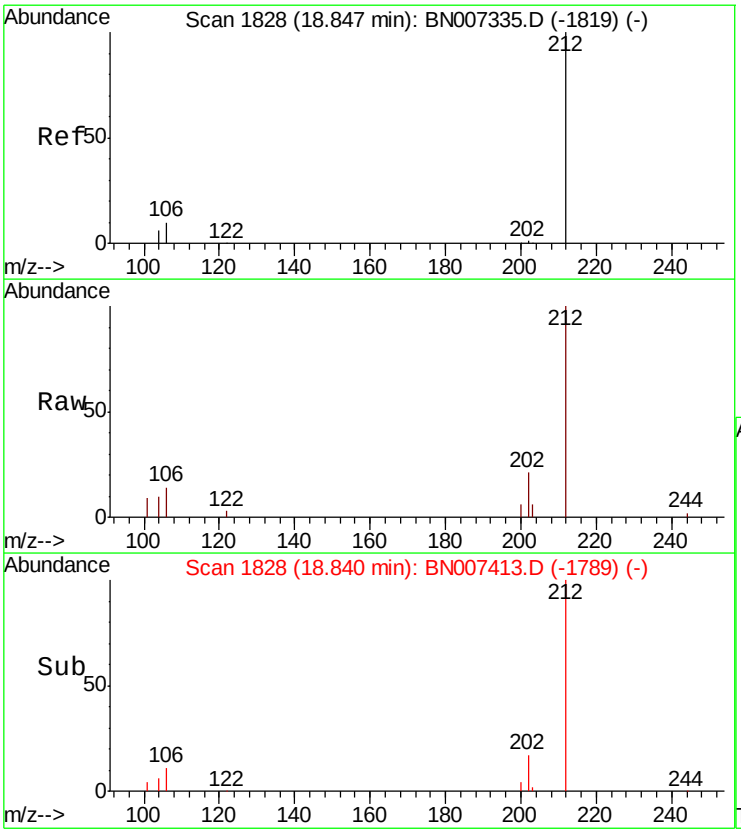
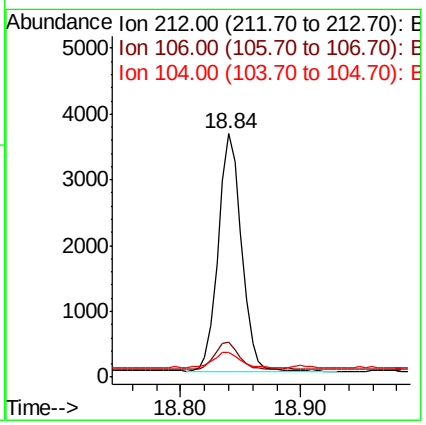
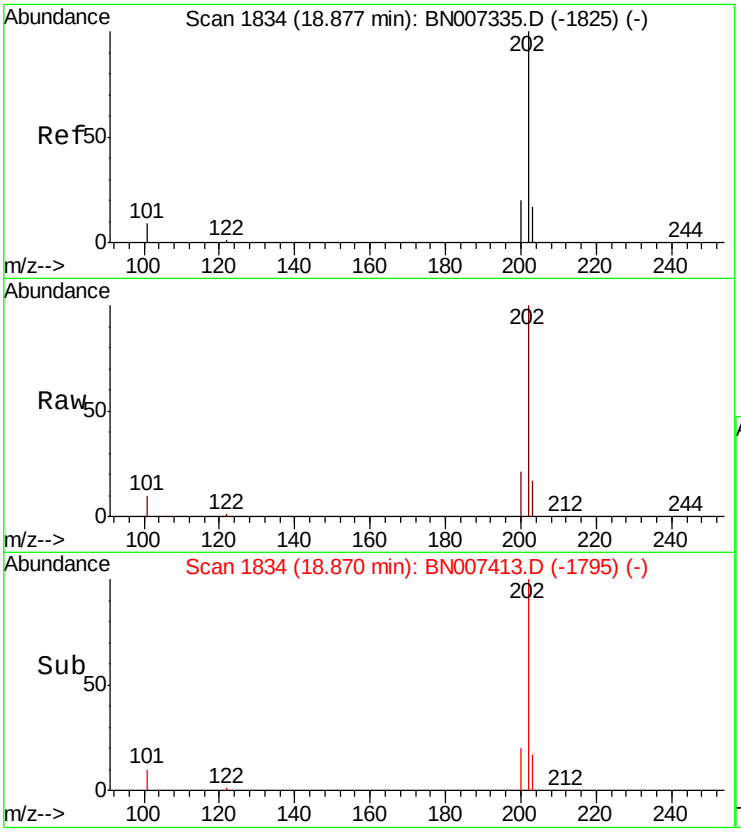


#25
Fluoranthene-d10
Concen: 0.006 ng
RT: 18.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:212 Resp: 4882

Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.0	13.4
104	7.4	5.4	8.2

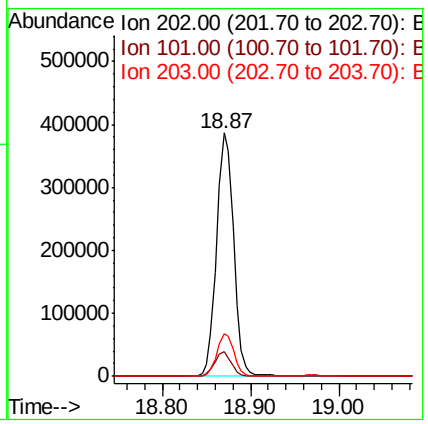




#26
Fluoranthene
Concen: 0.533 ng
RT: 18.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:202 Resp: 518846

Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.7	11.5
203	17.2	13.7	20.5



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

Manual Integrations APPROVED
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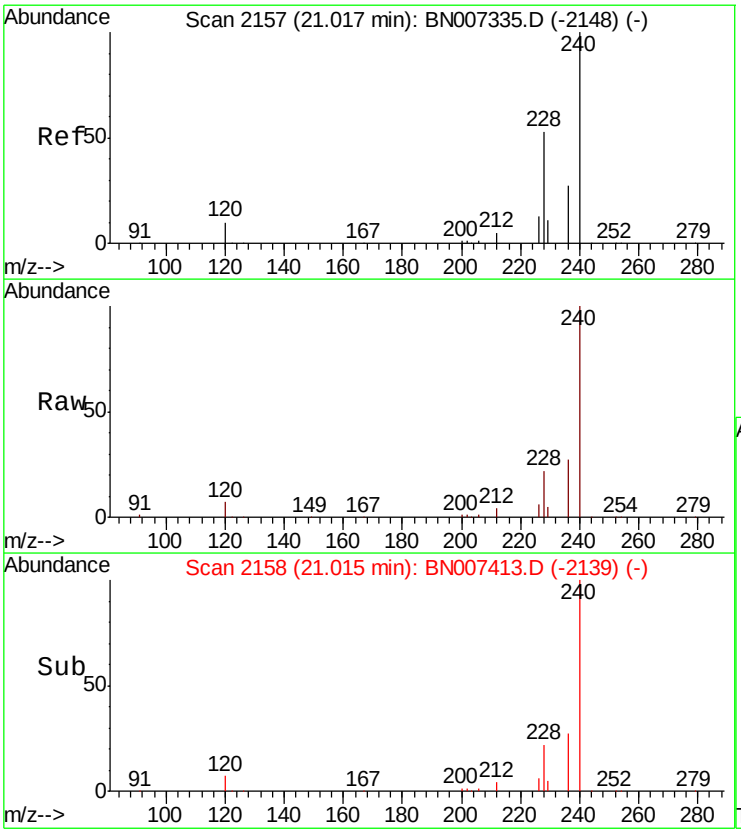
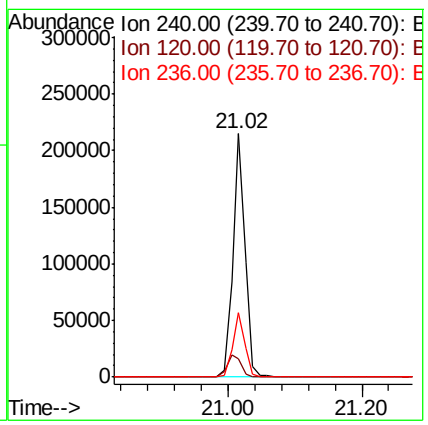
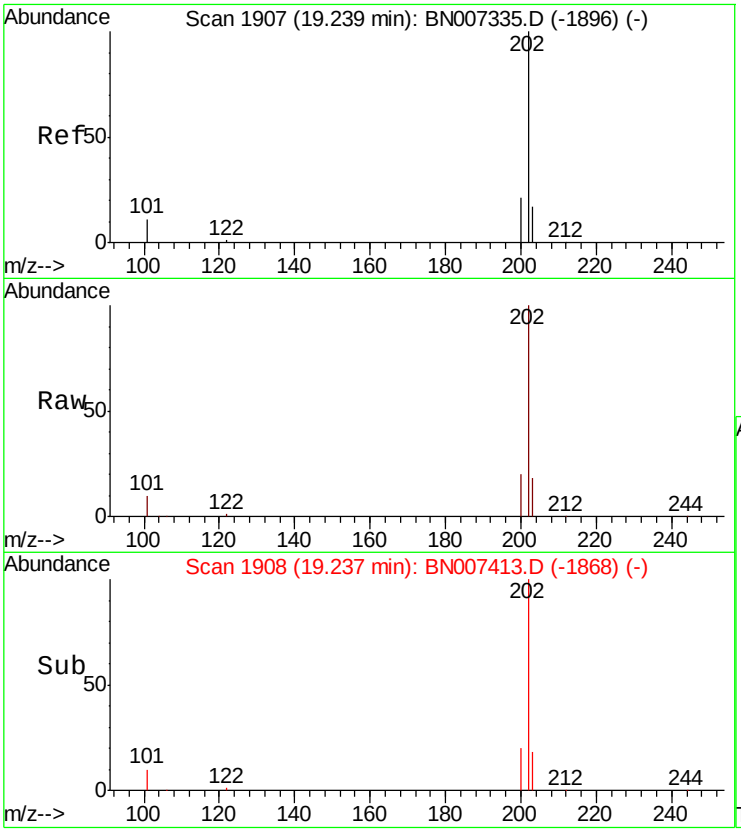


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:240 Resp: 268952

Ion	Ratio	Lower	Upper
240	100		
120	7.4	9.6	14.4#
236	26.6	22.2	33.2





#28
Pyrene
Concen: 0.393 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:202 Resp: 425599

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	21.5	14.2	21.4#

Instrument :
BNA_N
ClientSampleId :
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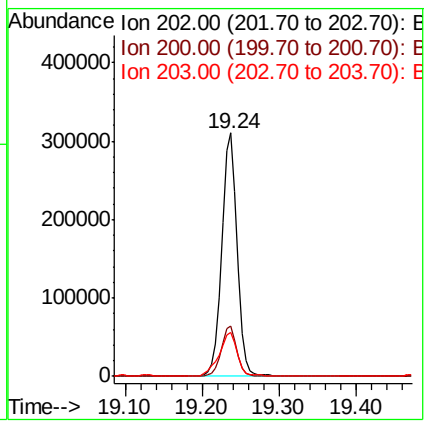
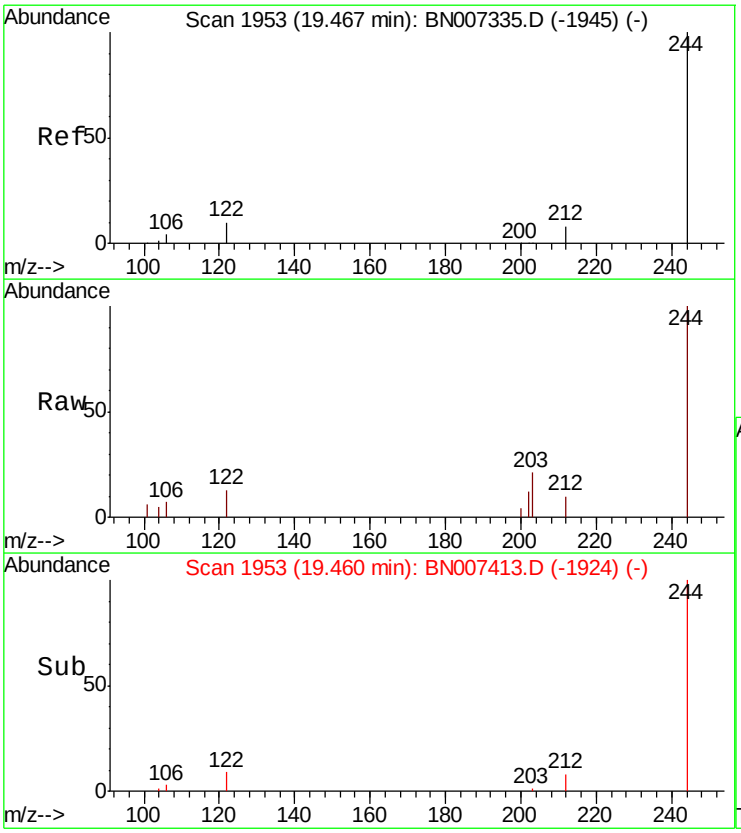
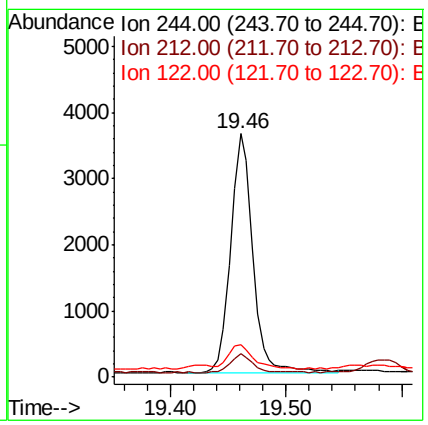


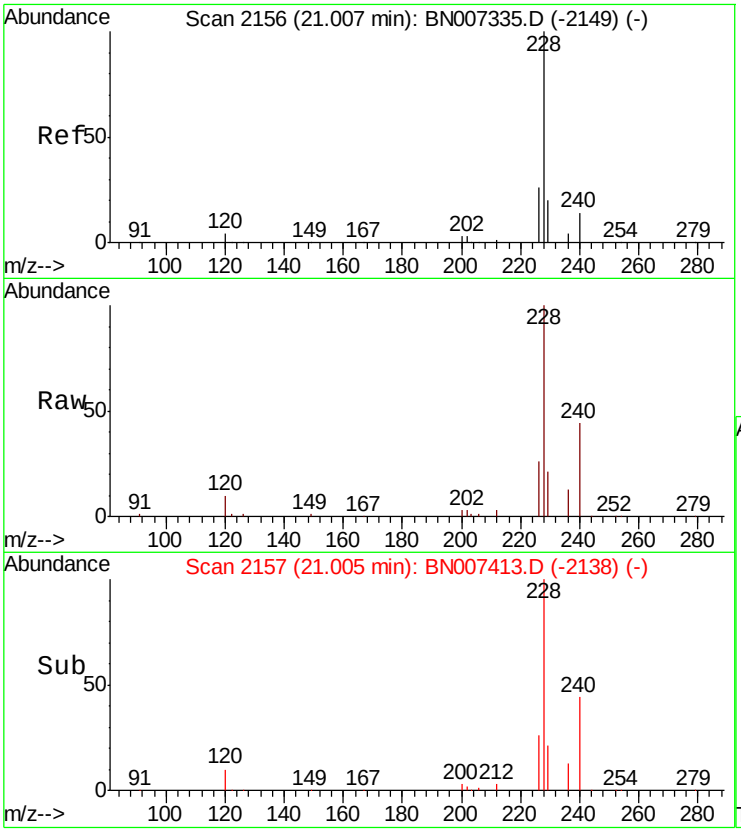


#29
Terphenyl-d14
Concen: 0.007 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:244 Resp: 4835

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.0	10.6
122	13.3	9.6	14.4

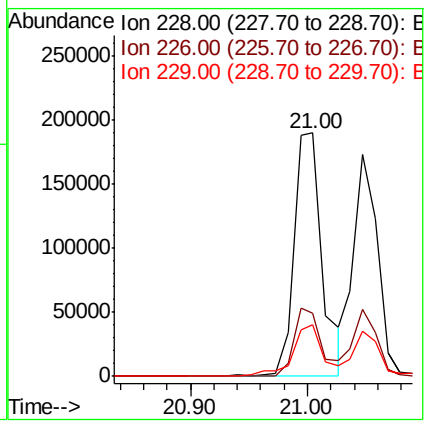




#30
Benzo(a)anthracene
Concen: 0.303 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:228 Resp: 320363

Ion	Ratio	Lower	Upper
228	100		
226	26.2	21.3	31.9
229	20.9	16.1	24.1



Instrument :
BNA_N
ClientSampleId :
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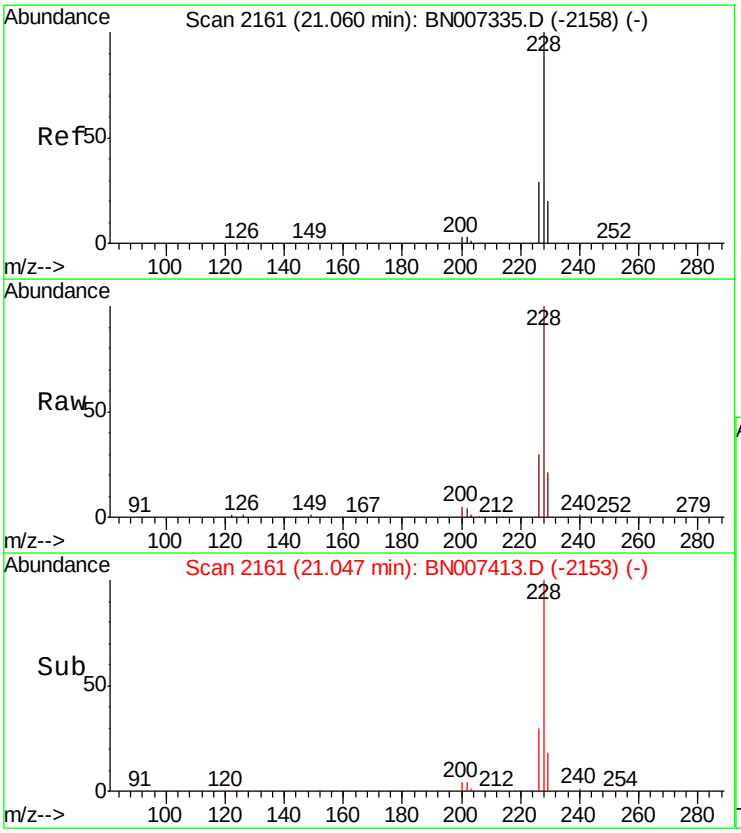
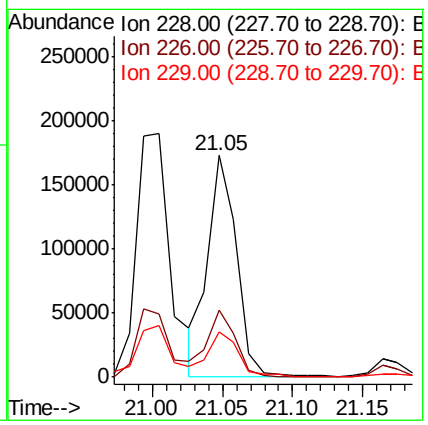
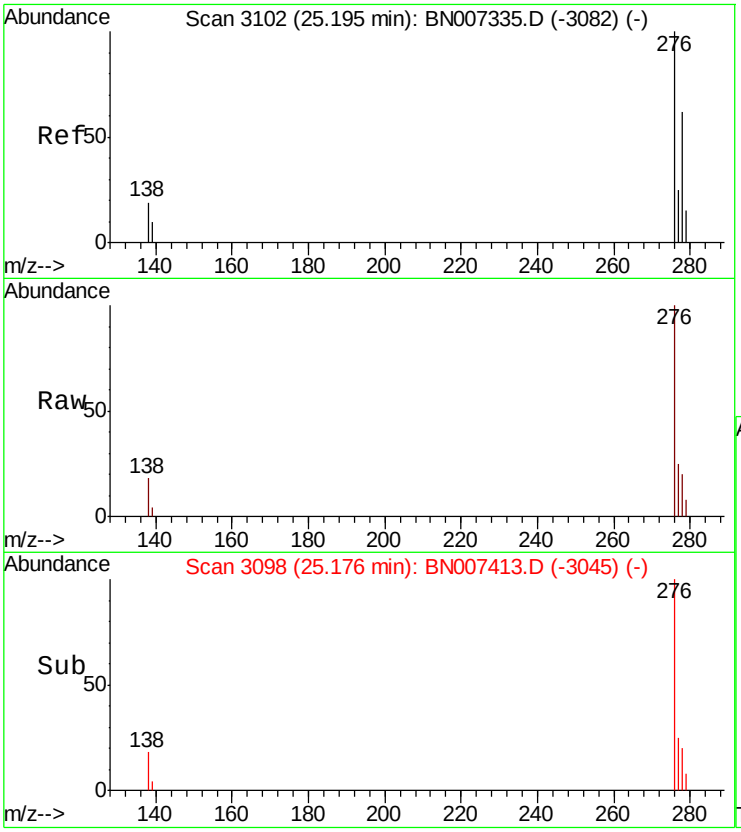


#31
Chrysene
Concen: 0.239 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:228 Resp: 243807

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.5	35.3
229	20.7	16.6	24.8





#33
Indeno(1,2,3-cd)pyrene
Concen: 0.116 ng
RT: 25.18 min Scan# 3098
Delta R.T. -0.02 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:276 Resp: 141990

Ion	Ratio	Lower	Upper
276	100		
138	18.4	15.1	22.7
277	25.6	19.7	29.5

Instrument :
BNA_N
ClientSampleId :
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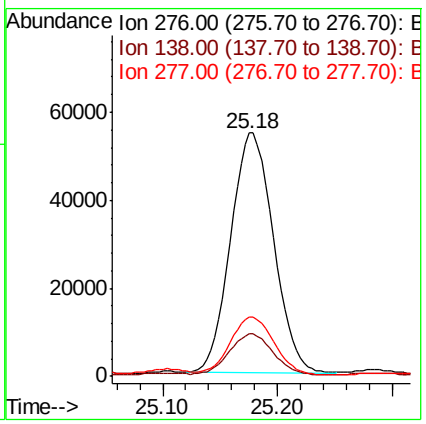
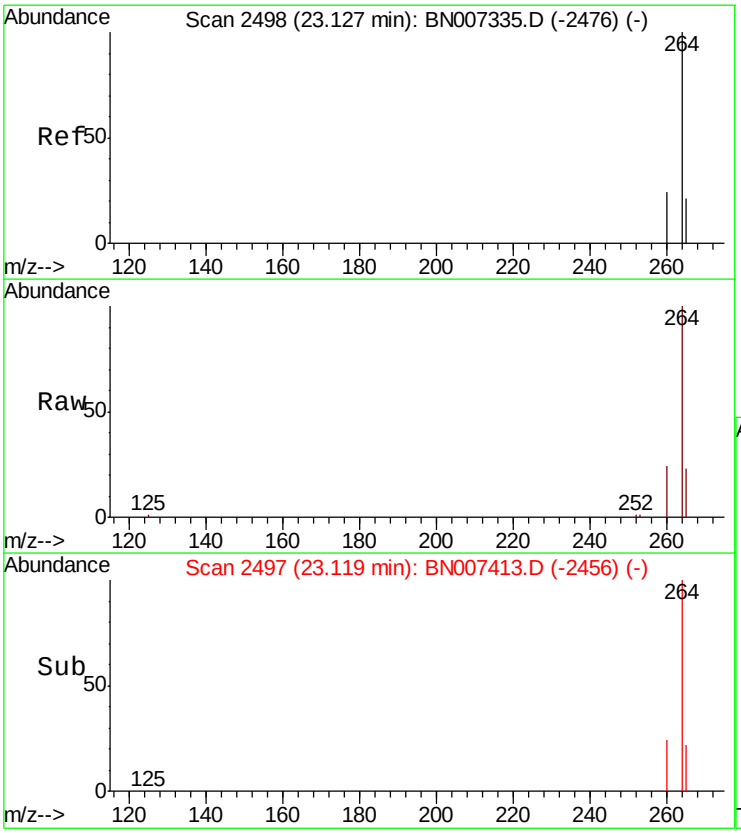
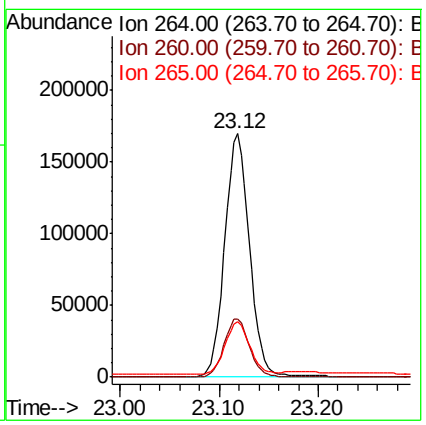


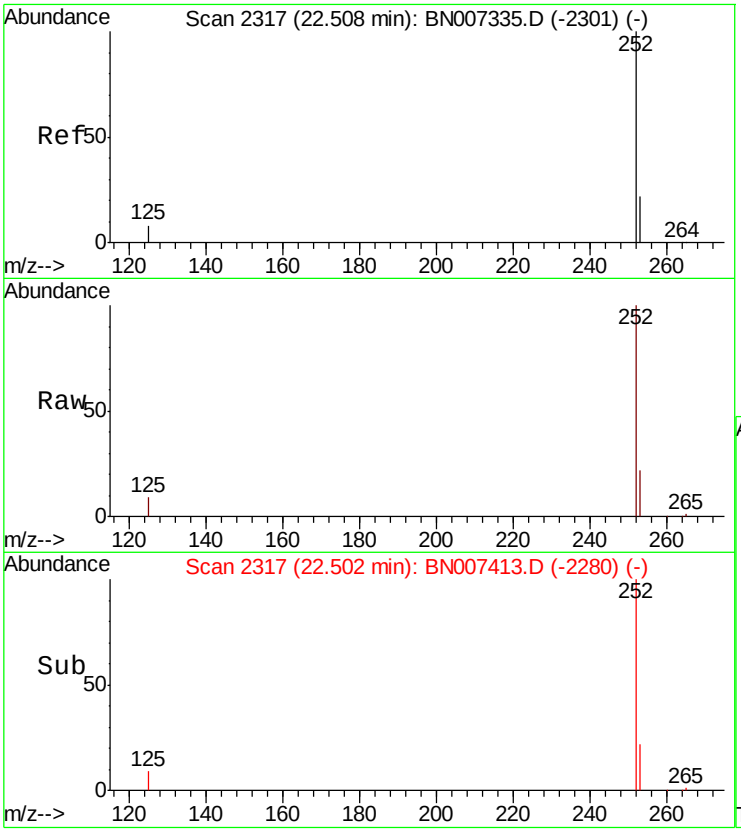


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:264 Resp: 292641

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.7	29.5
265	22.6	29.9	44.9#





#35
Benzo(b)fluoranthene
Concen: 0.295 ng m
RT: 22.50 min Scan# 2317
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:252 Resp: 313011

Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.2	28.8
125	8.8	10.6	16.0#

Instrument :
BNA_N
ClientSampleId :
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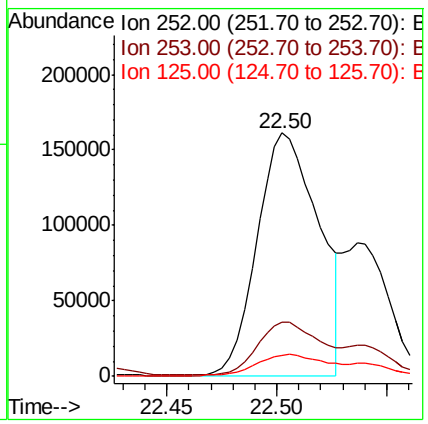
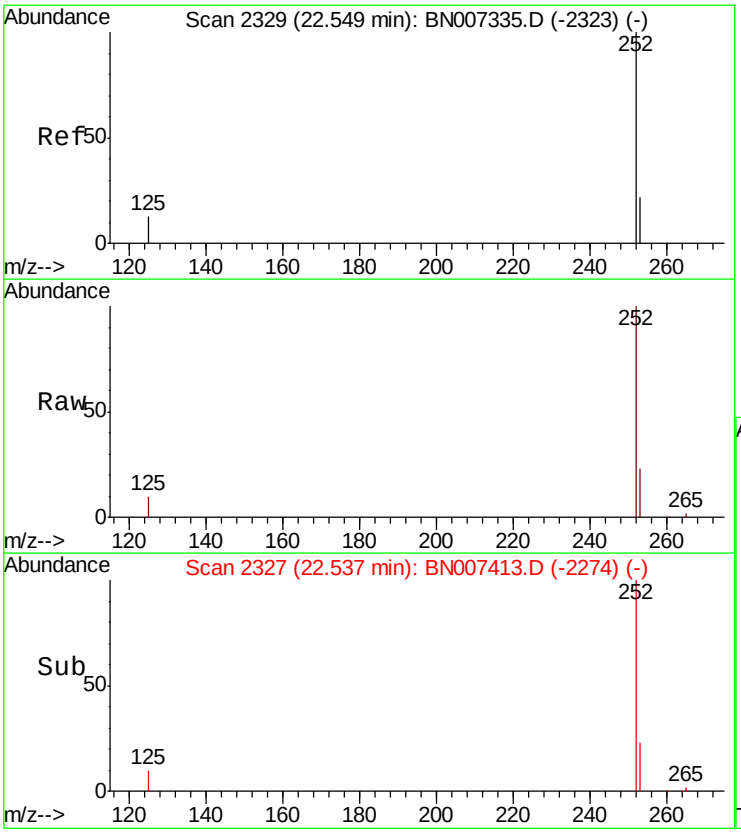
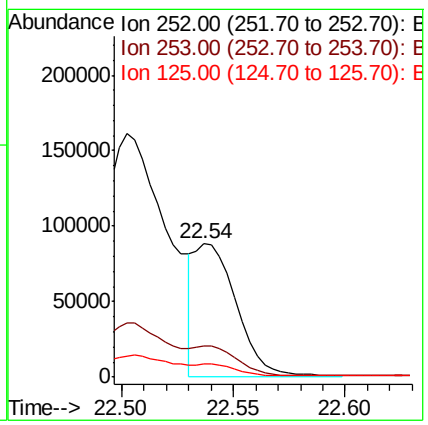


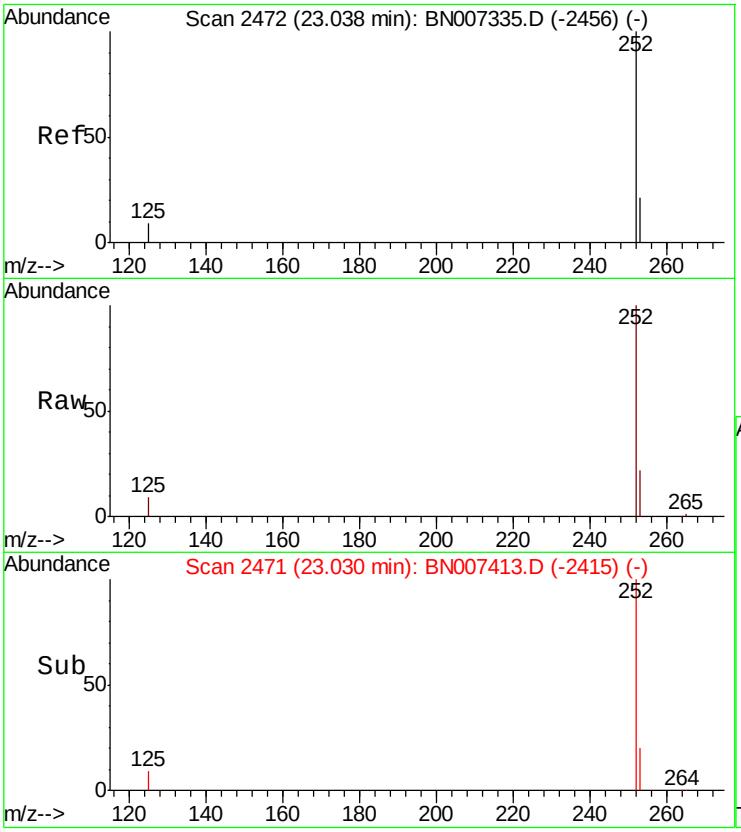


#36
Benzo(k)fluoranthene
Concen: 0.111 ng m
RT: 22.54 min Scan# 2327
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:252 Resp: 116110

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.4	29.2
125	9.6	13.1	19.7#





#37
Benzo(a)pyrene
Concen: 0.233 ng m
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:252 Resp: 235110

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.5	29.3
125	9.3	12.1	18.1#

Instrument :
BNA_N
ClientSampleId :
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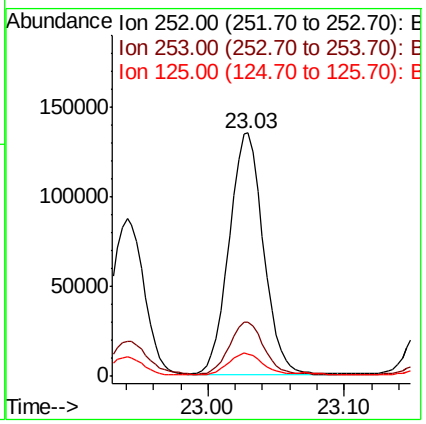
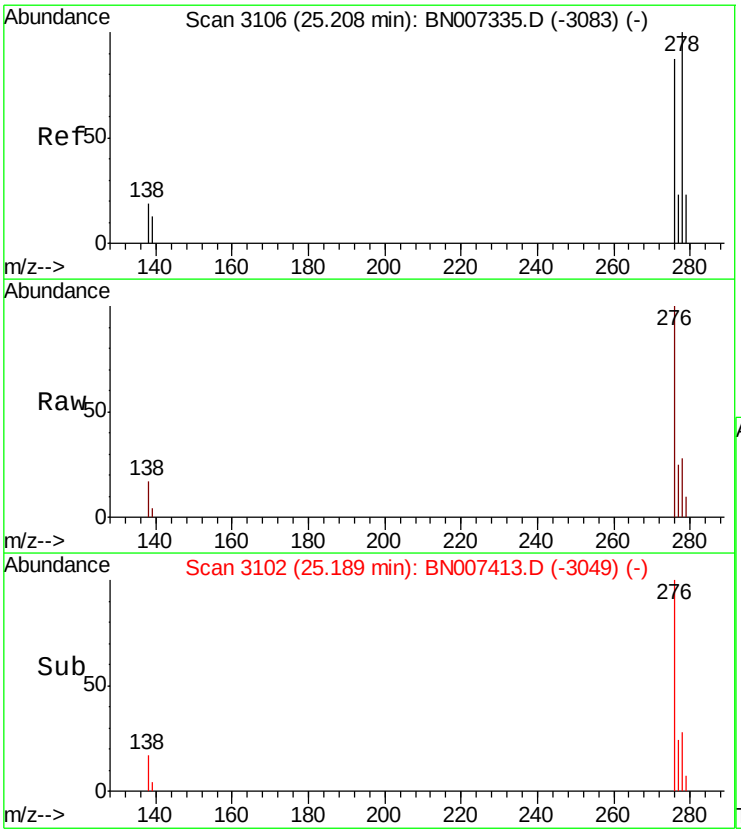
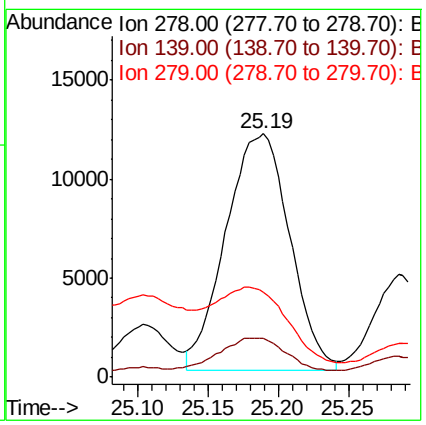


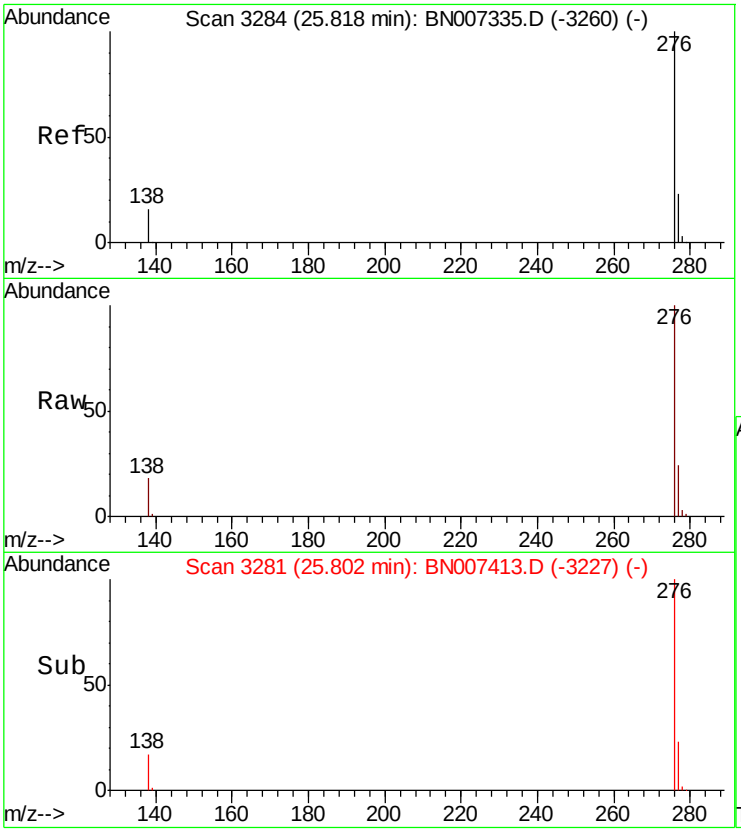


#38
Dibenzo(a,h)anthracene
Concen: 0.038 ng
RT: 25.19 min Scan# 3102
Delta R.T. -0.02 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:278 Resp: 37937

Ion	Ratio	Lower	Upper
278	100		
139	15.7	13.7	20.5
279	34.8	20.2	30.4#

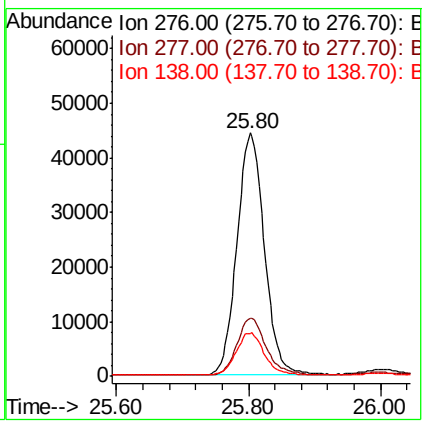




#39
Benzo(g,h,i)perylene
Concen: 0.128 ng
RT: 25.80 min Scan# 3281
Delta R.T. -0.02 min
Lab File: BN007413.D
Acq: 26 Aug 2019 17:13

Tgt Ion:276 Resp: 128237

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.6	29.4
138	17.7	16.3	24.5



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

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