Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\
Data File : BN007556.D
Acq On : 06 Sep 2019 23:49
Operator : HP/JU
Sample : K4722-17MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

Manual Integrations APPROVED
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9/12/2019 9:25:56 AM

Quant Time: Sep 09 10:52:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	5656	0.40	ng		-0.02
7) Naphthalene-d8	10.14	136	22720	0.40	ng		-0.03
13) Acenaphthene-d10	14.03	164	11872	0.40	ng		-0.02
19) Phenanthrene-d10	16.79	188	25350	0.40	ng		-0.01
27) Chrysene-d12	21.01	240	25262	0.40	ng		-0.01
34) Perylene-d12	23.10	264	27737	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.02	112	3335	0.15	ng		-0.02
5) Phenol-d6	6.58	99	2762	0.09	ng		0.00
8) Nitrobenzene-d5	8.53	82	6090	0.31	ng		0.00
11) 2-Methylnaphthalene-d10	11.74	152	15443m	0.41	ng		-0.02
14) 2,4,6-Tribromophenol	15.54	330	1884	0.30	ng		-0.02
15) 2-Fluorobiphenyl	12.65	172	23662	0.49	ng		-0.01
25) Fluoranthene-d10	18.83	212	28345	0.35	ng		-0.01
29) Terphenyl-d14	19.45	244	30096	0.46	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.00	88	2644	0.281	ng	#	89
3) n-Nitrosodimethylamine	3.32	42	456	0.104	ng	#	12
6) bis(2-Chloroethyl)ether	6.83	93	7099	0.347	ng		98
9) Naphthalene	10.19	128	24738	0.381	ng	#	90
10) Hexachlorobutadiene	10.49	225	3779	0.284	ng	#	98
12) 2-Methylnaphthalene	11.82	142	18064	0.408	ng		96
16) Acenaphthylene	13.75	152	22129	0.315	ng		99
17) Acenaphthene	14.10	154	14677	0.357	ng		97
18) Fluorene	15.09	166	18441	0.355	ng		100
20) 4-Bromophenyl-phenylether	16.01	248	824	0.082	ng		95
21) Hexachlorobenzene	16.11	284	5933	0.349	ng		97
22) Pentachlorophenol	16.45	266	2966	0.562	ng	#	64
23) Phenanthrene	16.83	178	32908	0.432	ng		99
24) Anthracene	16.92	178	27002	0.352	ng		99
26) Fluoranthene	18.86	202	35869	0.366	ng		98
28) Pyrene	19.23	202	36937	0.363	ng		99
30) Benzo(a)anthracene	20.99	228	31761	0.320	ng		98
31) Chrysene	21.04	228	33602	0.351	ng		99
32) Bis(2-ethylhexyl)phthalate	20.95	149	19892	0.291	ng		99
33) Indeno(1,2,3-cd)pyrene	25.16	276	32418	0.281	ng	#	96
35) Benzo(b)fluoranthene	22.49	252	31696	0.315	ng		97
36) Benzo(k)fluoranthene	22.53	252	35140	0.354	ng	#	96
37) Benzo(a)pyrene	23.01	252	30319	0.317	ng		97
38) Dibenzo(a,h)anthracene	25.18	278	26784	0.281	ng		99
39) Benzo(g,h,i)perylene	25.78	276	27302	0.287	ng		99

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\
Data File : BN007556.D
Acq On : 06 Sep 2019 23:49
Operator : HP/JU
Sample : K4722-17MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 09 10:52:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 29 12:18:45 2019
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

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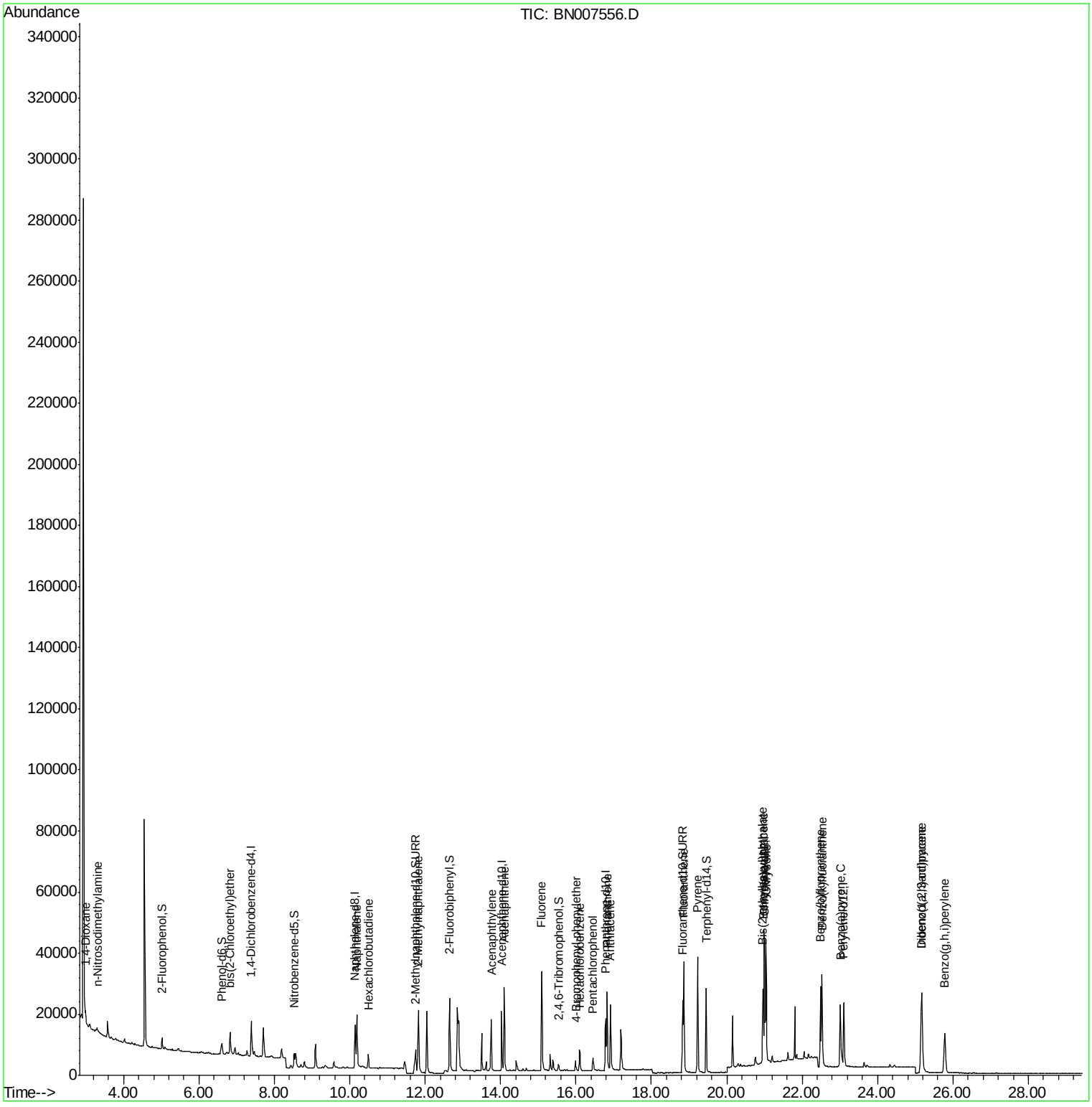
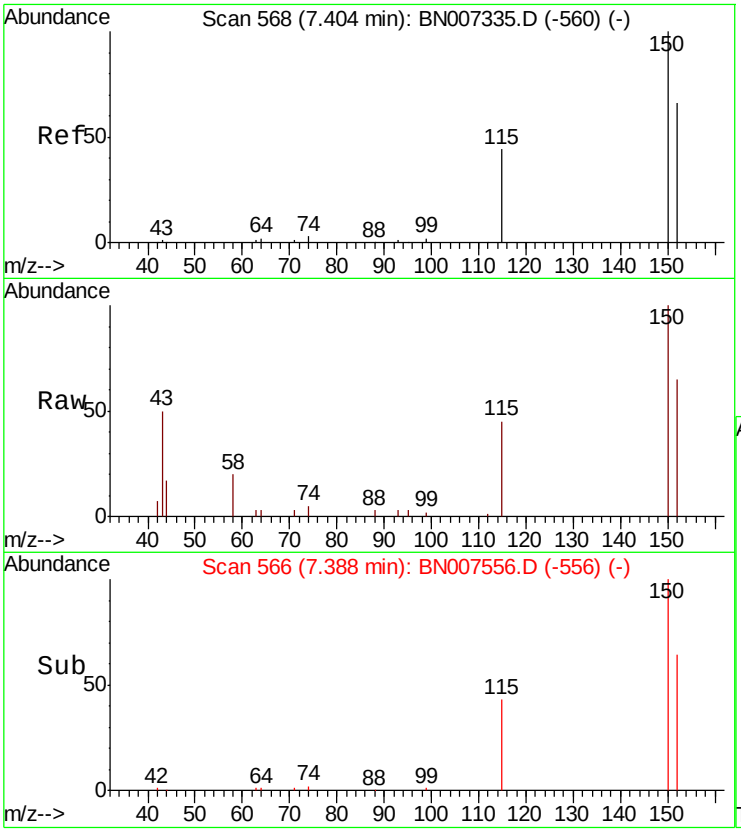
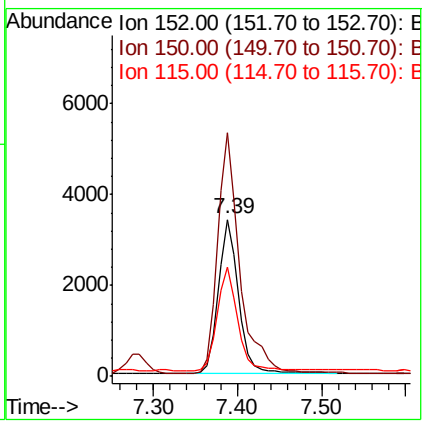




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 566
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:152 Resp: 5656

Ion	Ratio	Lower	Upper
152	100		
150	154.9	109.1	163.7
115	69.7	59.6	89.4



Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

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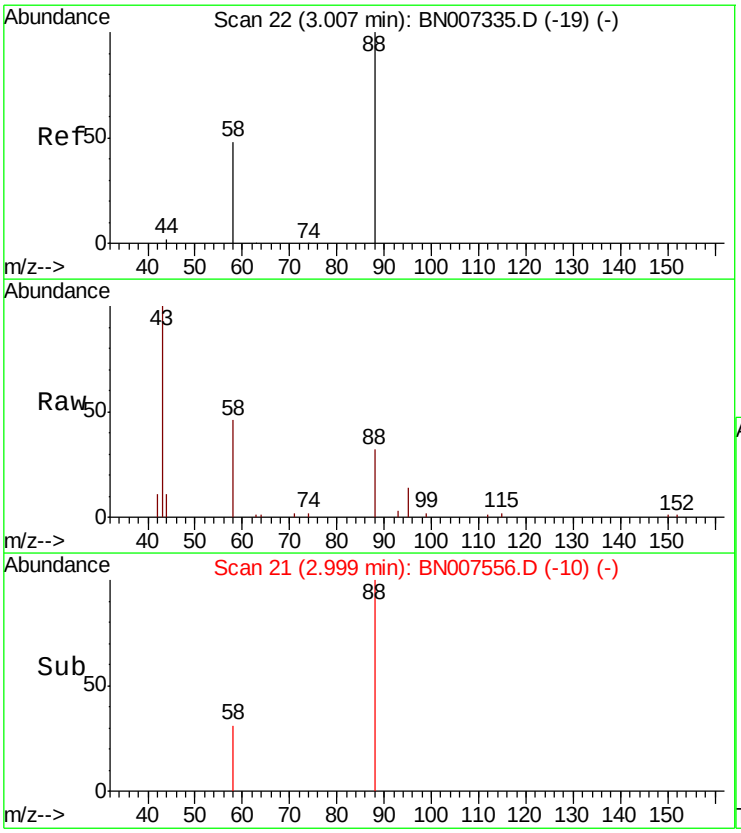
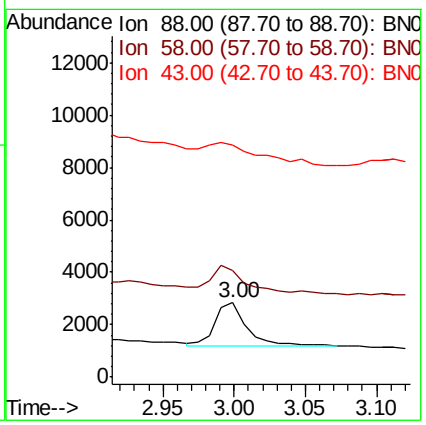
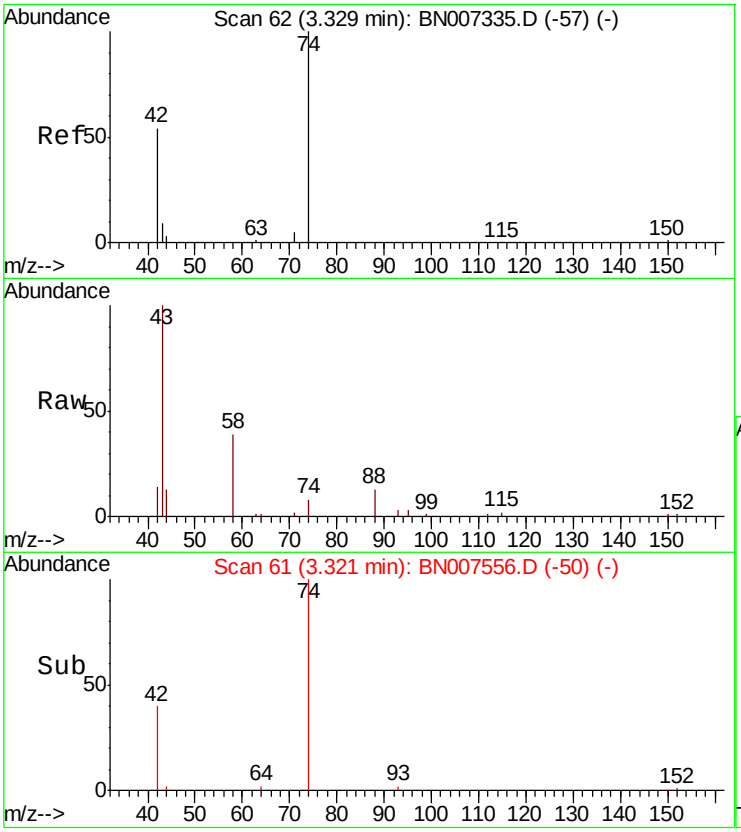


#2
1,4-Dioxane
Concen: 0.281 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion: 88 Resp: 2644

Ion	Ratio	Lower	Upper
88	100		
58	71.6	50.5	75.7
43	82.3	0.0	0.0#





#3
n-Nitrosodimethylamine
Concen: 0.104 ng
RT: 3.32 min Scan# 61
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion: 42 Resp: 456

Ion	Ratio	Lower	Upper
42	100		
74	309.2	144.7	217.1#
44	0.0	3.2	4.8#

Instrument :
BNA_N
ClientSampleId :
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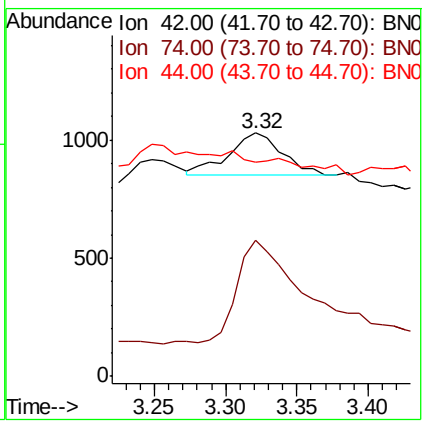
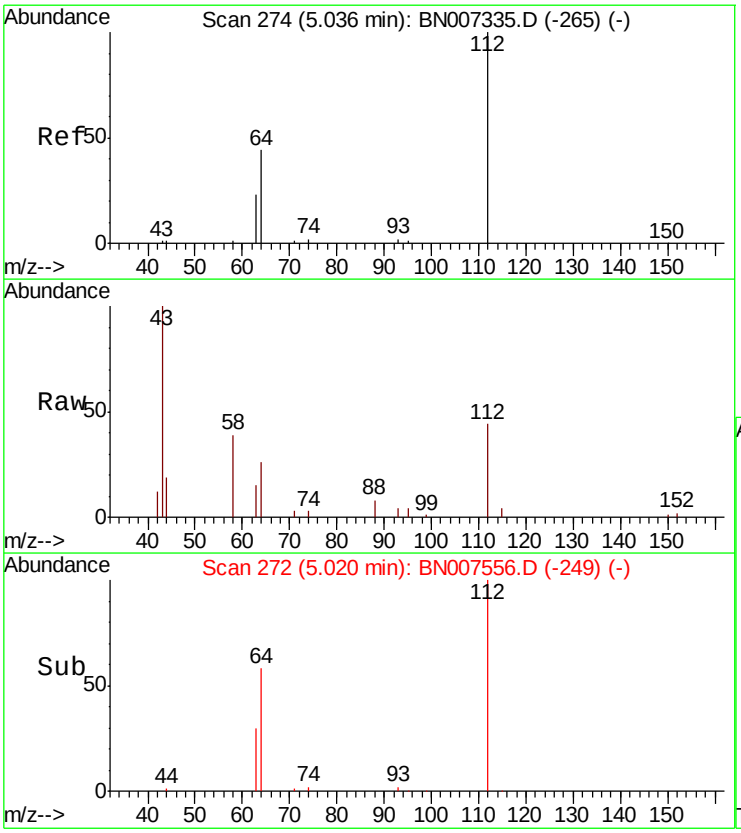
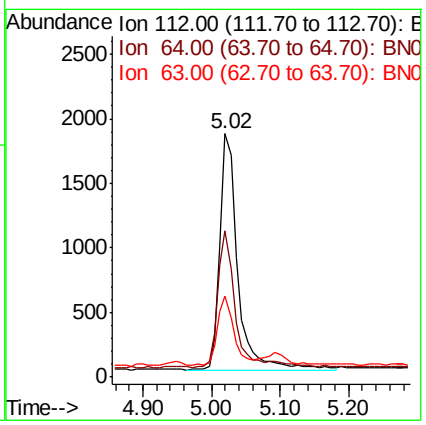


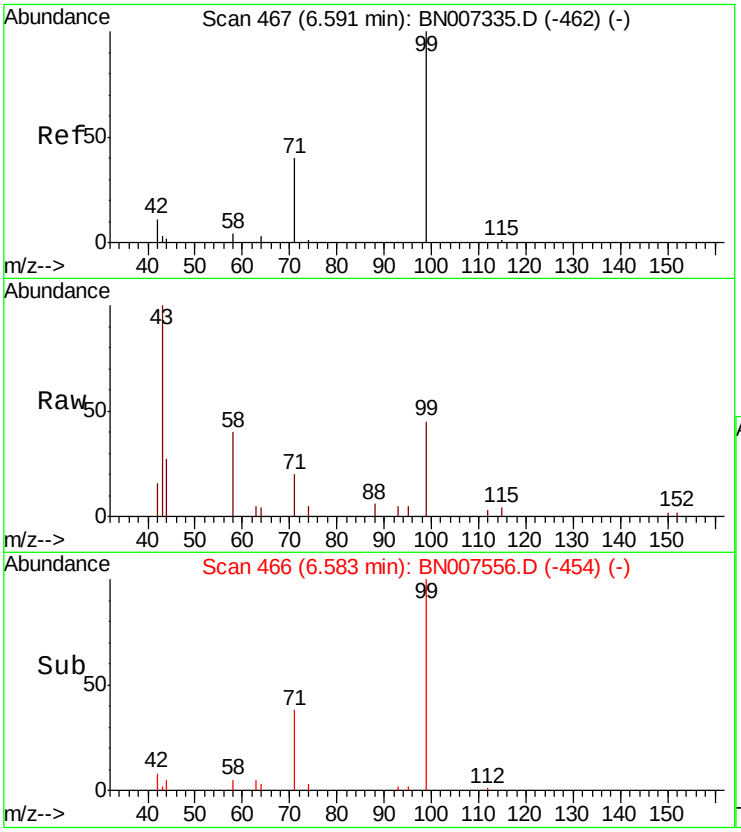


#4
2-Fluorophenol
Concen: 0.152 ng
RT: 5.02 min Scan# 272
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:112 Resp: 3335

Ion	Ratio	Lower	Upper
112	100		
64	55.8	42.3	63.5
63	26.6	23.6	35.4





#5
Phenol-d6
Concen: 0.087 ng
RT: 6.58 min Scan# 466
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion: 99 Resp: 2762

Ion	Ratio	Lower	Upper
99	100		
42	18.9	11.2	16.8#
71	37.0	31.8	47.8

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

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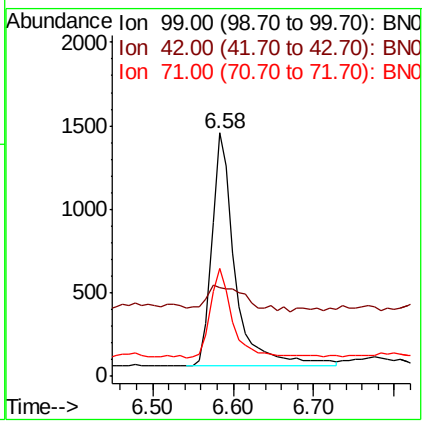
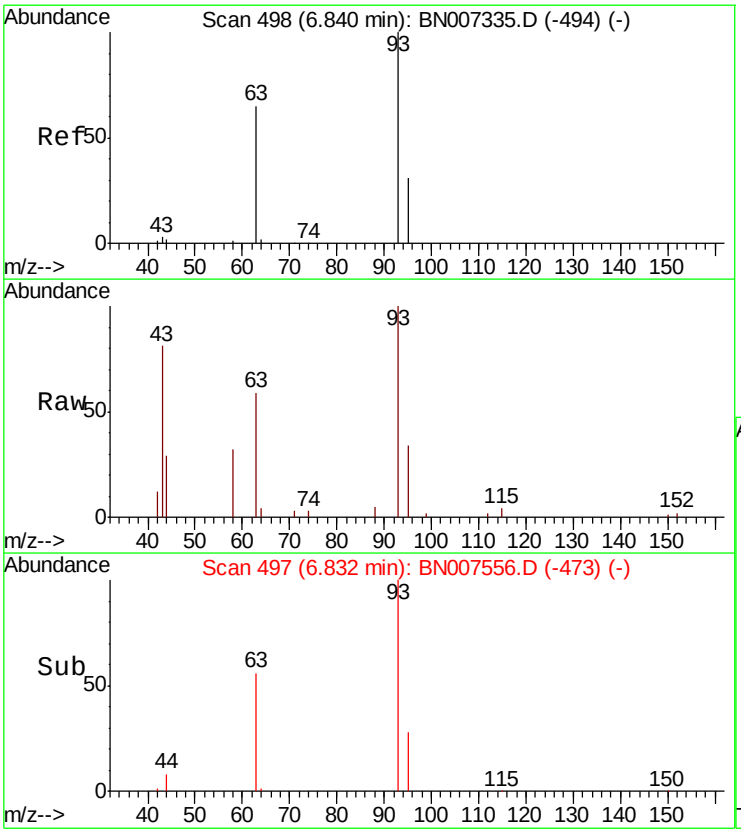
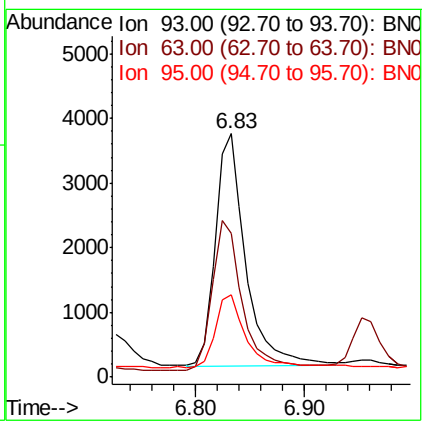


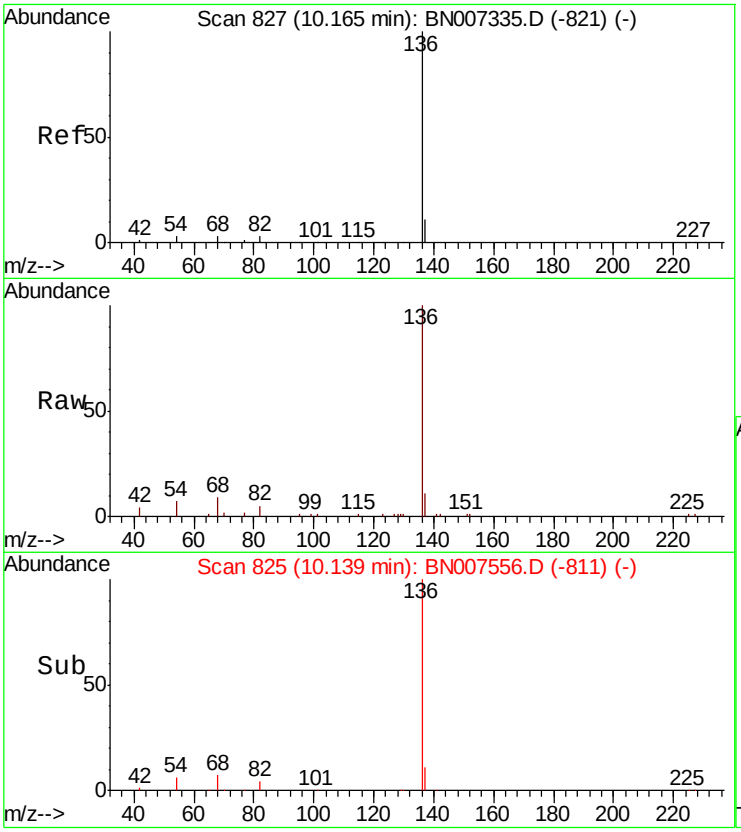


#6
bis(2-Chloroethyl)ether
Concen: 0.347 ng
RT: 6.83 min Scan# 497
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion: 93 Resp: 7099

Ion	Ratio	Lower	Upper
93	100		
63	64.3	51.9	77.9
95	32.0	27.7	41.5

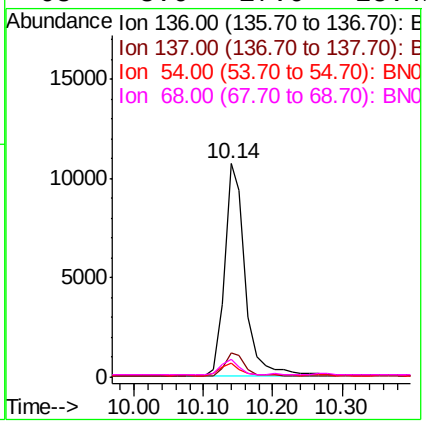




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.14 min Scan# 825
Delta R.T. -0.03 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:136 Resp: 22720

Ion	Ratio	Lower	Upper
136	100		
137	11.3	12.9	19.3#
54	6.6	8.6	12.8#
68	8.6	17.0	25.4#



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ClientSampleId :
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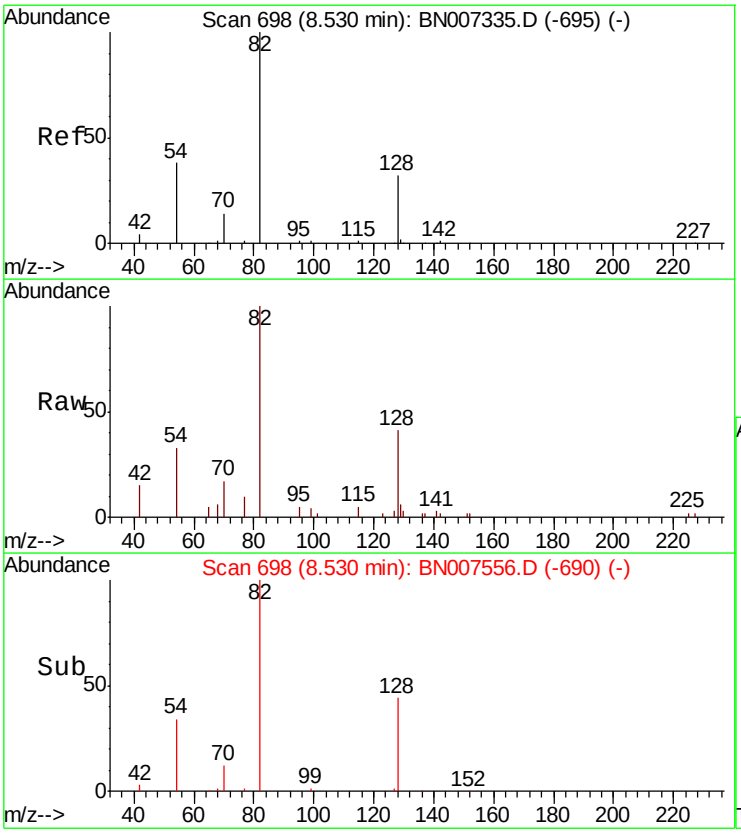
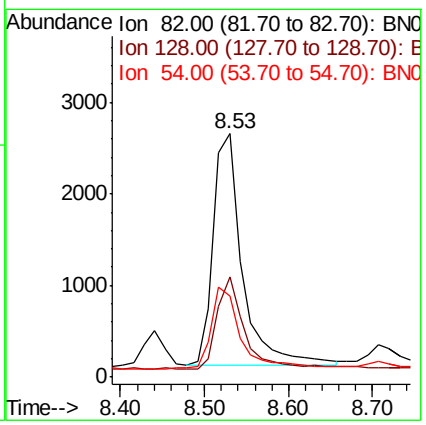
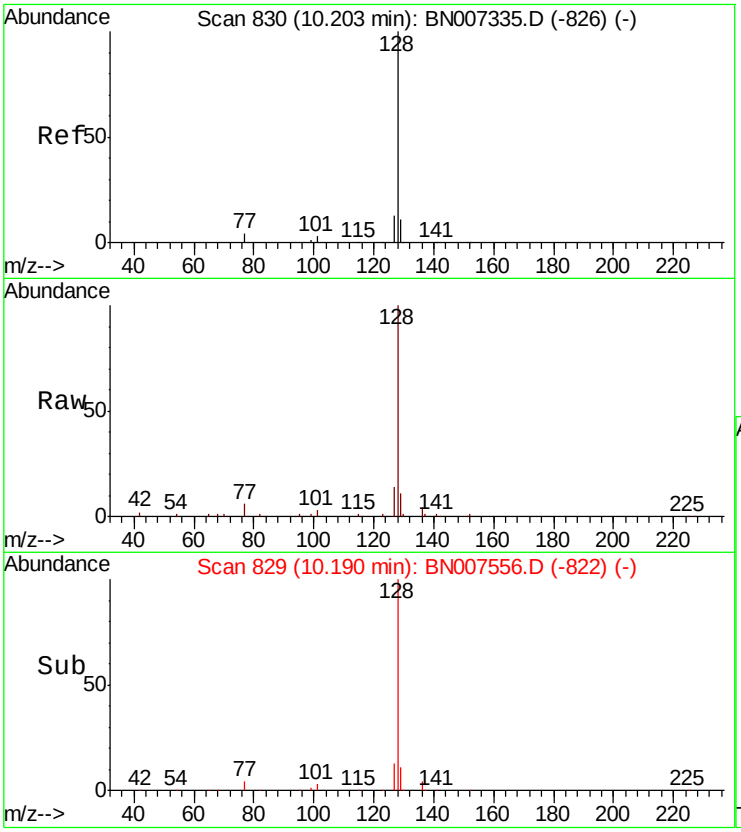


#8
Nitrobenzene-d5
Concen: 0.308 ng
RT: 8.53 min Scan# 698
Delta R.T. 0.00 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion: 82 Resp: 6090

Ion	Ratio	Lower	Upper
82	100		
128	41.3	19.7	29.5#
54	33.4	25.8	38.6





#9
Naphthalene
Concen: 0.381 ng
RT: 10.19 min Scan# 829
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:128 Resp: 24738

Ion	Ratio	Lower	Upper
128	100		
129	11.4	11.1	16.7
127	13.5	15.5	23.3#

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

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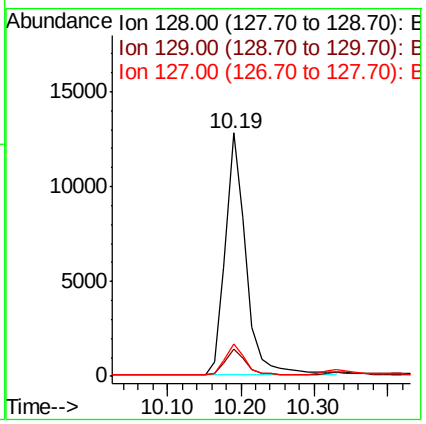
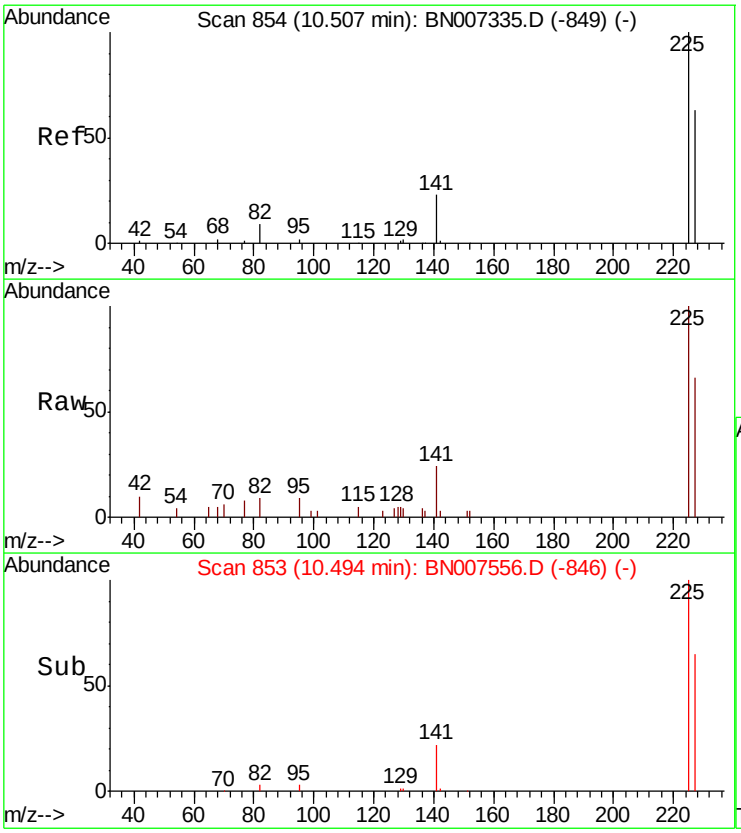
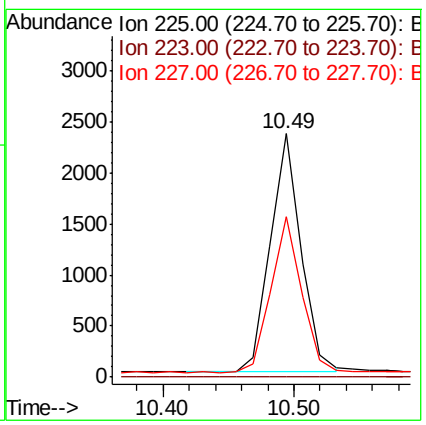


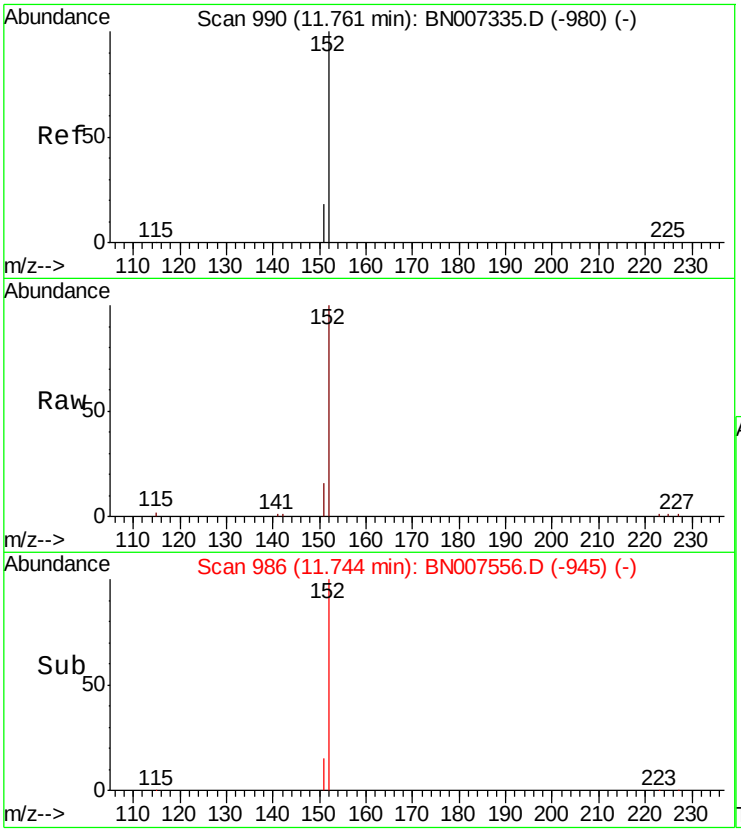


#10
Hexachlorobutadiene
Concen: 0.284 ng
RT: 10.49 min Scan# 853
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:225 Resp: 3779

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	65.3	50.7	76.1





#11
2-Methylnaphthalene-d10
Concen: 0.409 ng m
RT: 11.74 min Scan# 986
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:152 Resp: 15443

Ion	Ratio	Lower	Upper
152	100		
151	15.6	16.2	24.2#

Instrument :
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ClientSampleId :
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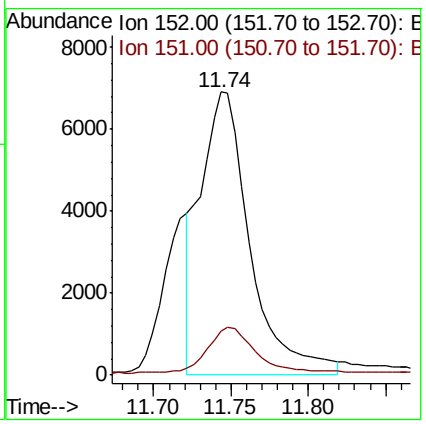
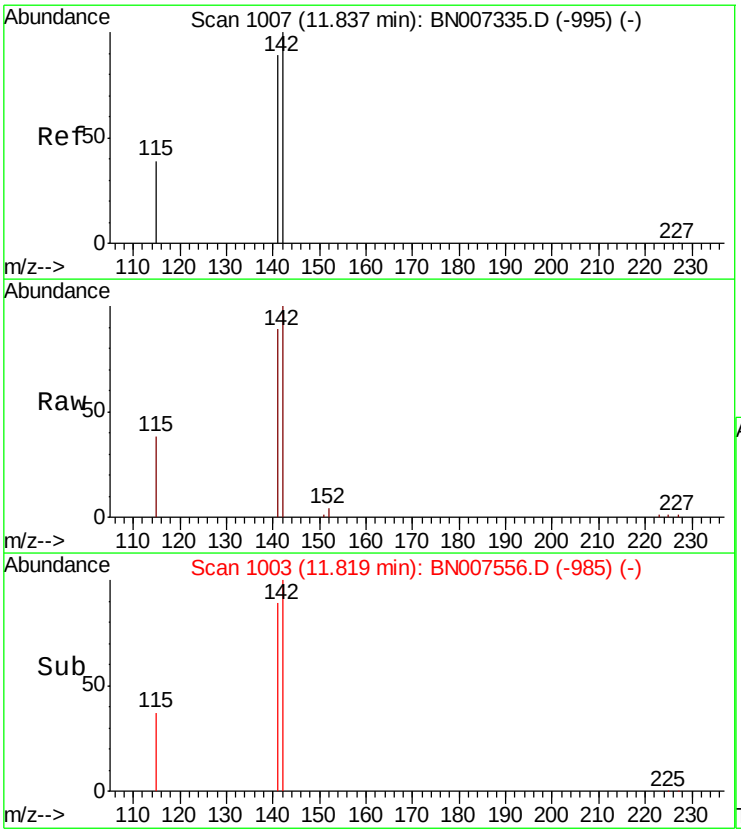
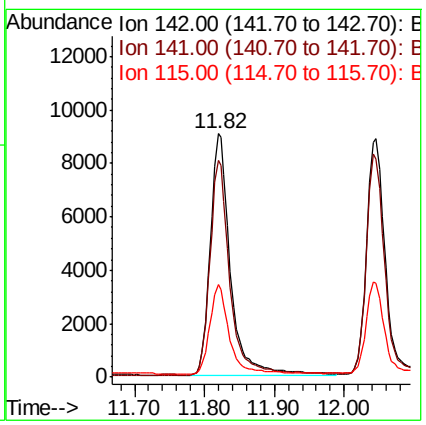


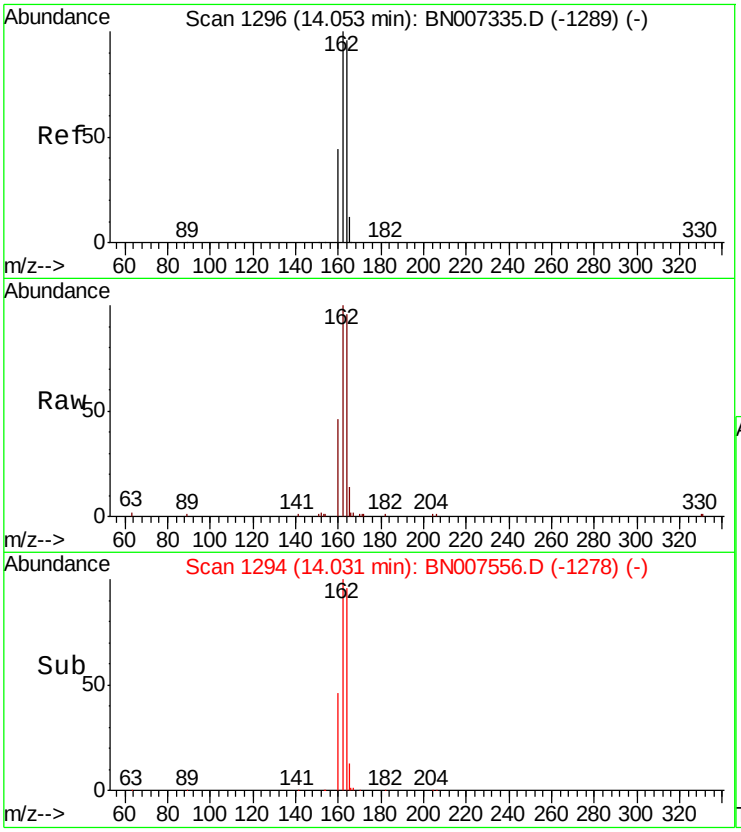


#12
2-Methylnaphthalene
Concen: 0.408 ng
RT: 11.82 min Scan# 1003
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:142 Resp: 18064

Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.8	109.2
115	37.9	35.2	52.8

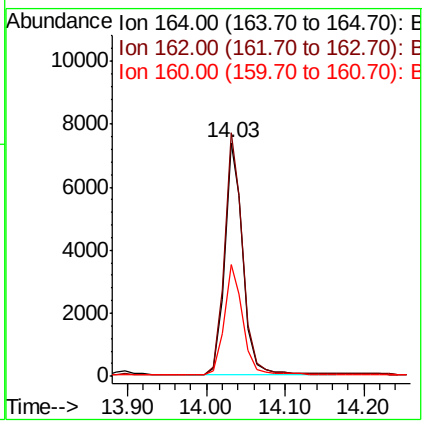




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:164 Resp: 11872

Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.5	125.3
160	47.9	38.2	57.4



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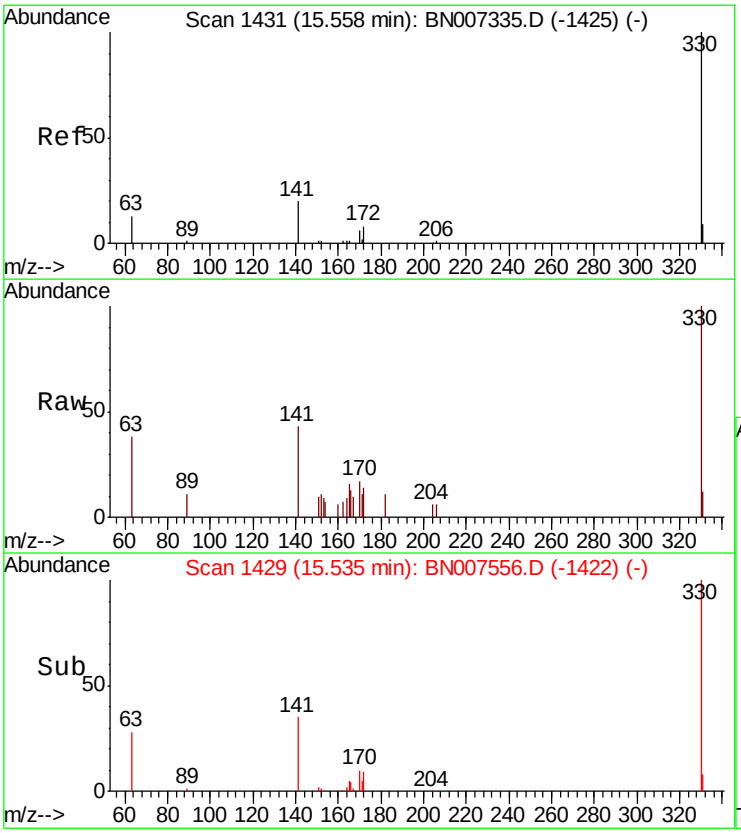
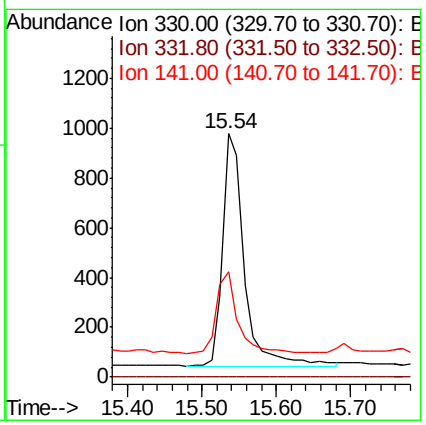
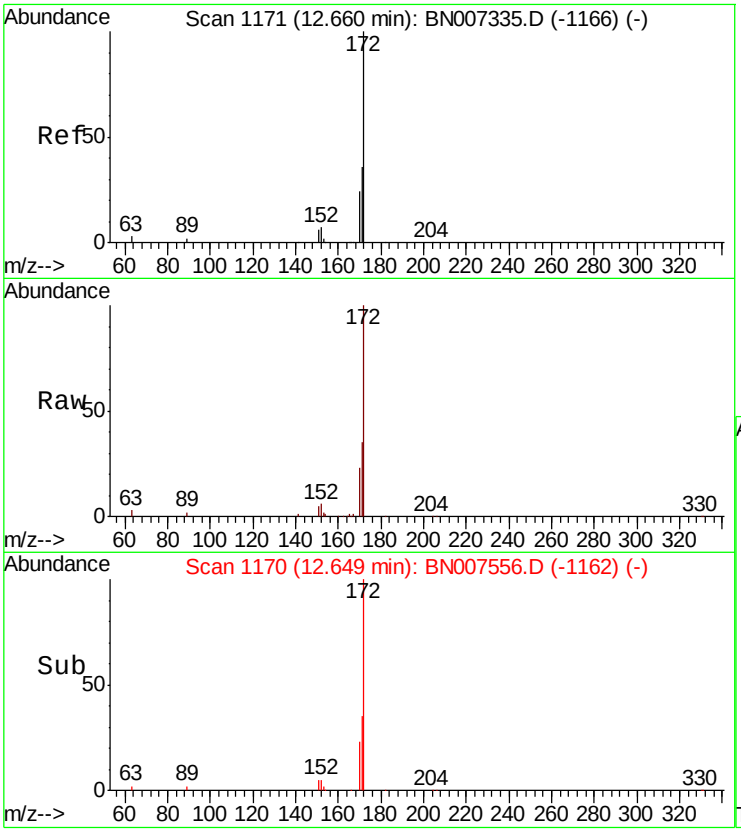


#14
2,4,6-Tribromophenol
Concen: 0.303 ng
RT: 15.54 min Scan# 1429
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:330 Resp: 1884

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	34.2	26.9	40.3

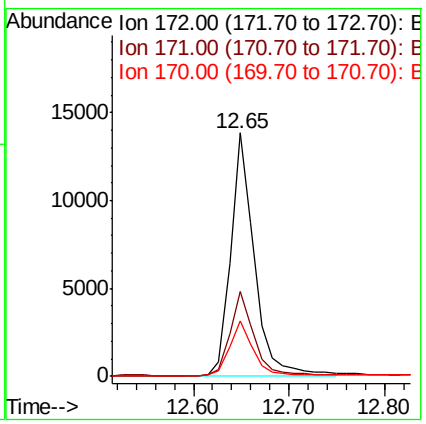




#15
2-Fluorobiphenyl
Concen: 0.494 ng
RT: 12.65 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:172 Resp: 23662

Ion	Ratio	Lower	Upper
172	100		
171	35.1	30.3	45.5
170	22.9	20.7	31.1



Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

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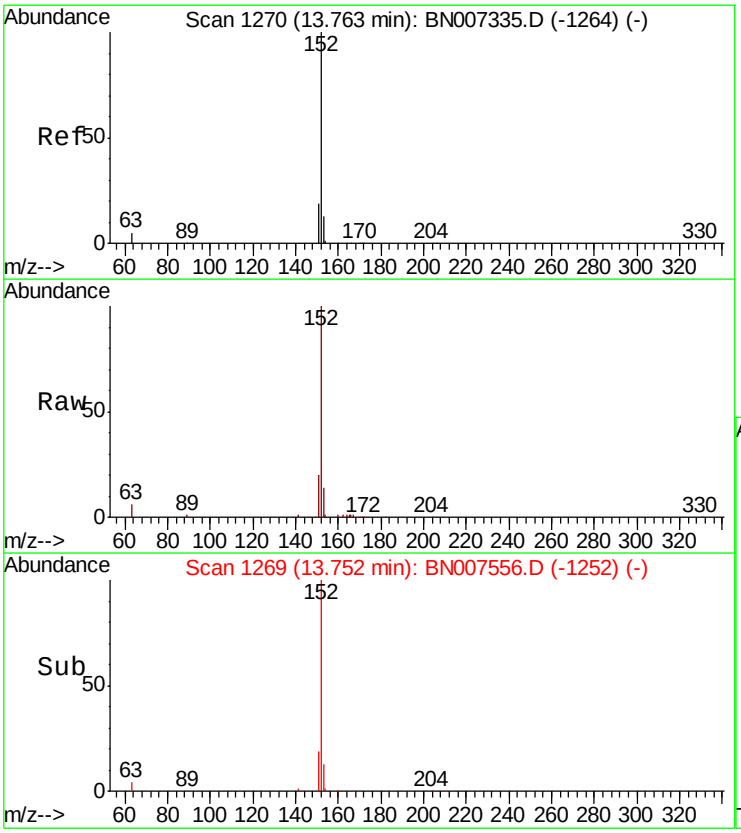
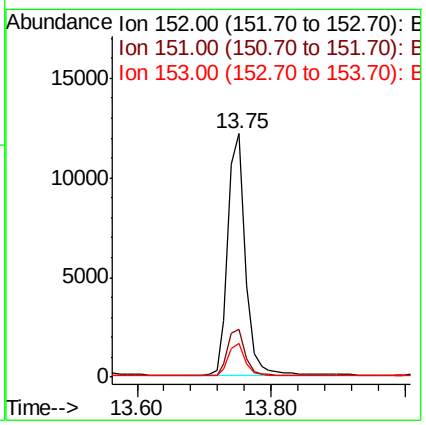
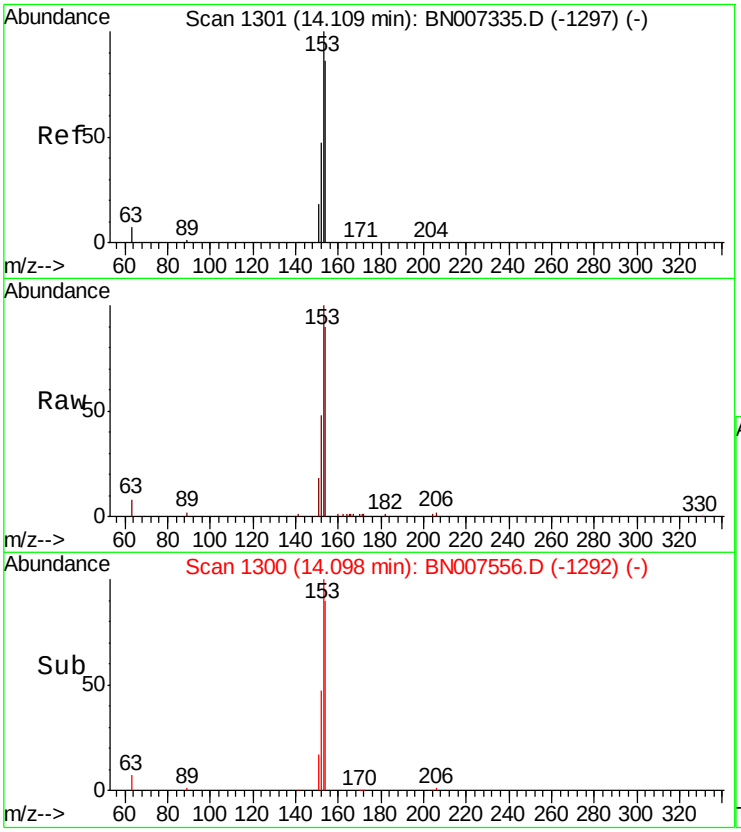


#16
Acenaphthylene
Concen: 0.315 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:152 Resp: 22129

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.1	24.1
153	12.9	10.6	15.8

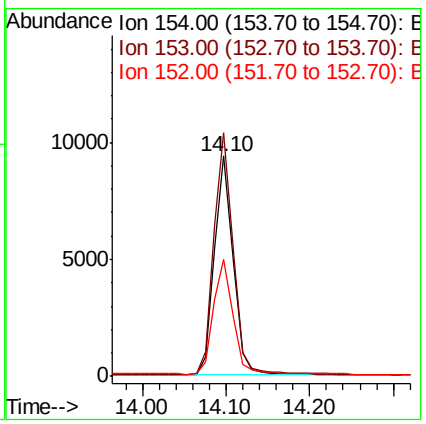




#17
Acenaphthene
Concen: 0.357 ng
RT: 14.10 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:154 Resp: 14677

Ion	Ratio	Lower	Upper
154	100		
153	112.0	92.8	139.2
152	54.1	43.8	65.8



Instrument :
BNA_N
ClientSampleId :
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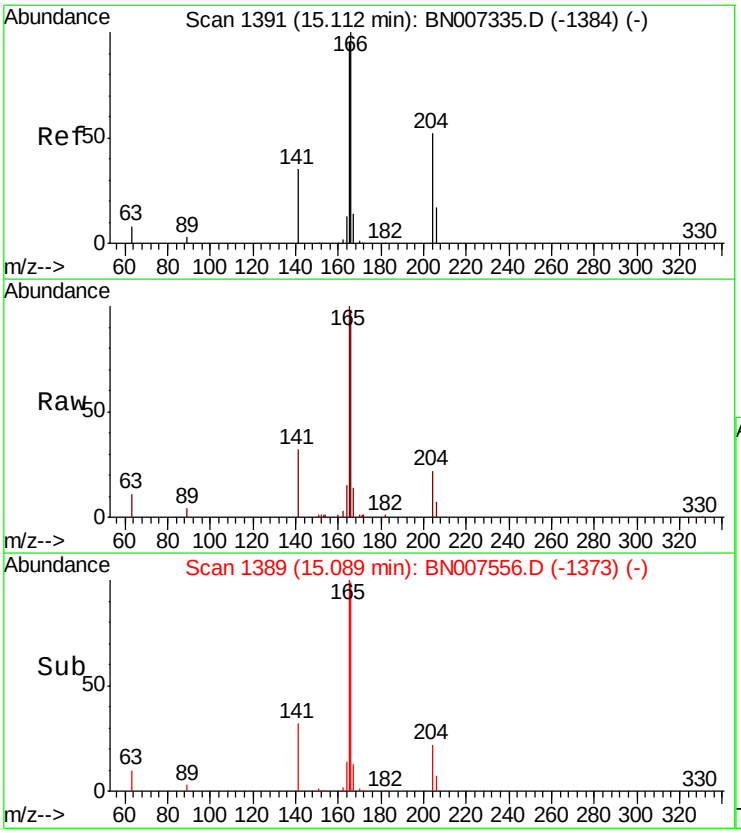
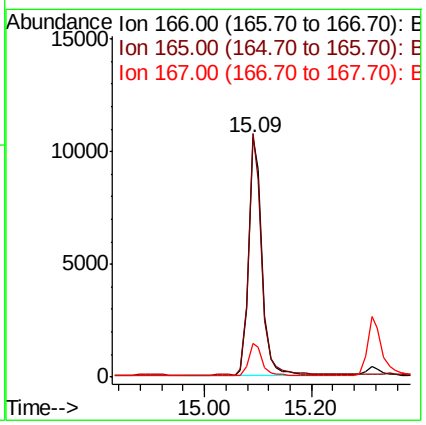
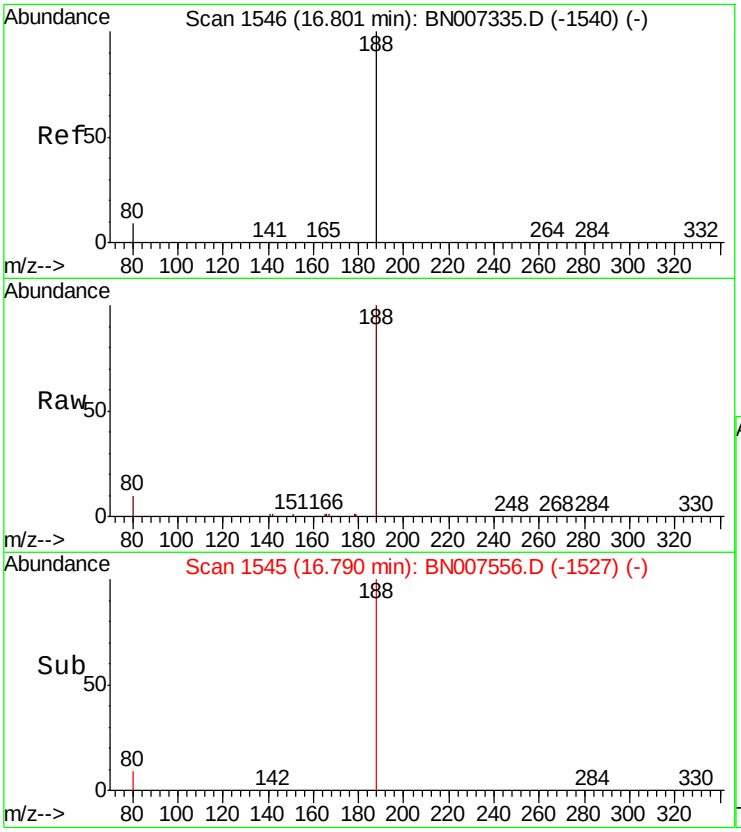


#18
Fluorene
Concen: 0.355 ng
RT: 15.09 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:166 Resp: 18441

Ion	Ratio	Lower	Upper
166	100		
165	98.9	79.0	118.4
167	13.6	10.6	15.8





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:188 Resp: 25350

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	11.8	17.8#

Instrument :
BNA_N
ClientSampleId :
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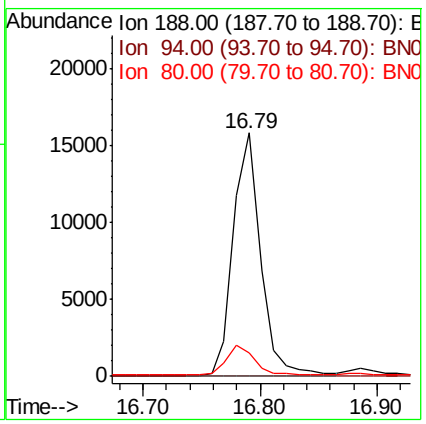
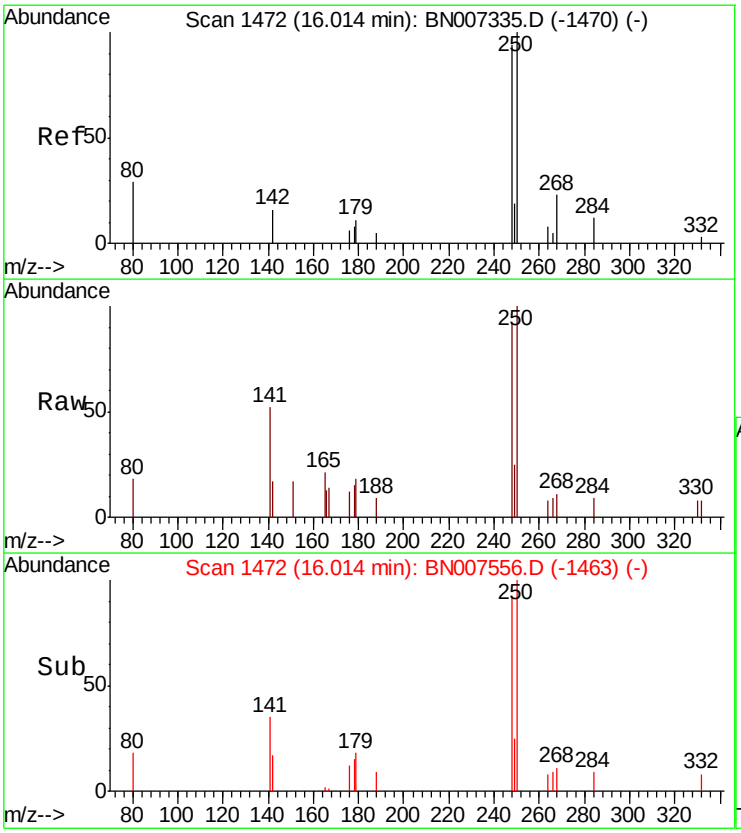
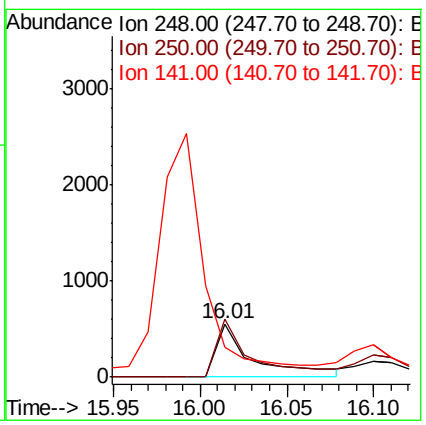


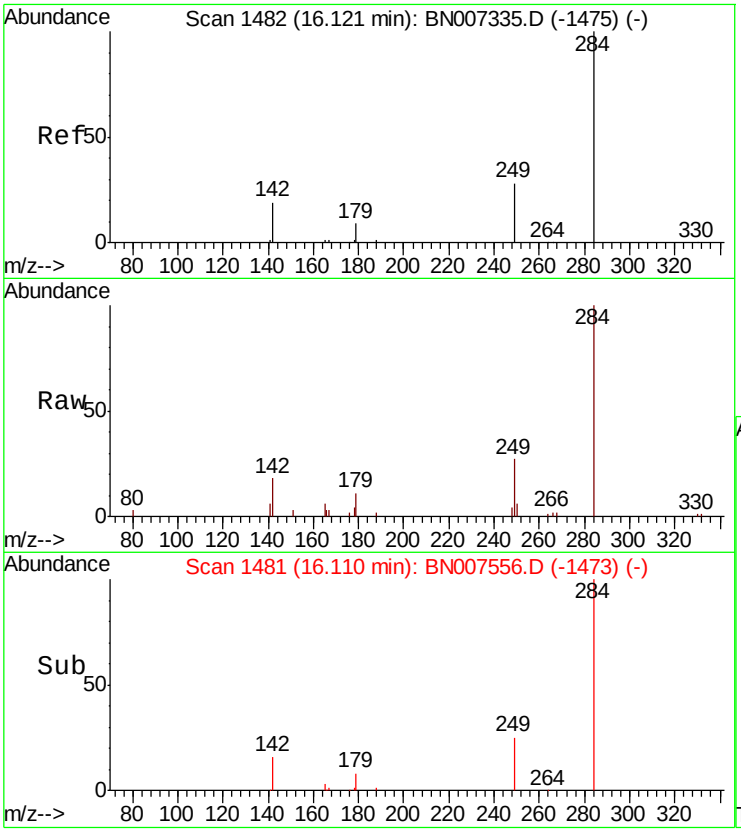


#20
4-Bromophenyl-phenylether
Concen: 0.082 ng
RT: 16.01 min Scan# 1472
Delta R.T. 0.00 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:248 Resp: 824

Ion	Ratio	Lower	Upper
248	100		
250	108.5	85.0	127.6
141	56.1	51.7	77.5





#21
Hexachlorobenzene
Concen: 0.349 ng
RT: 16.11 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:284 Resp: 5933

Ion	Ratio	Lower	Upper
284	100		
142	33.1	29.0	43.6
249	30.8	24.9	37.3

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

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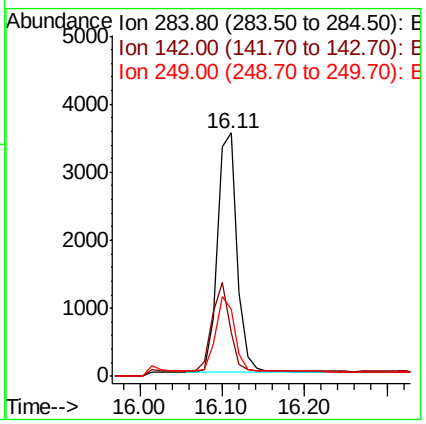
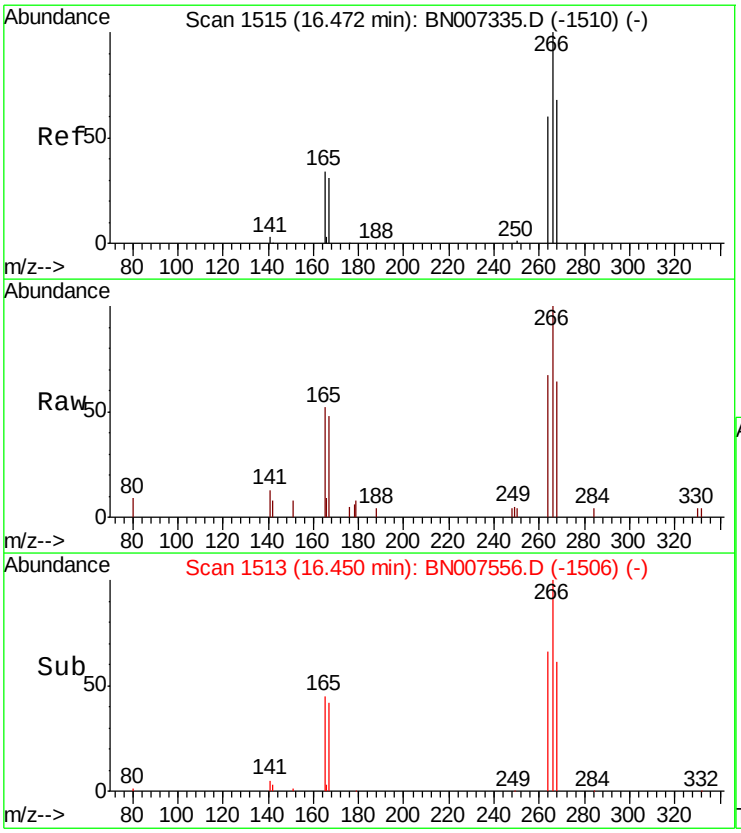
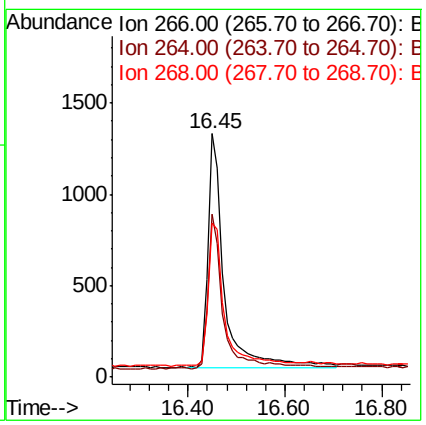


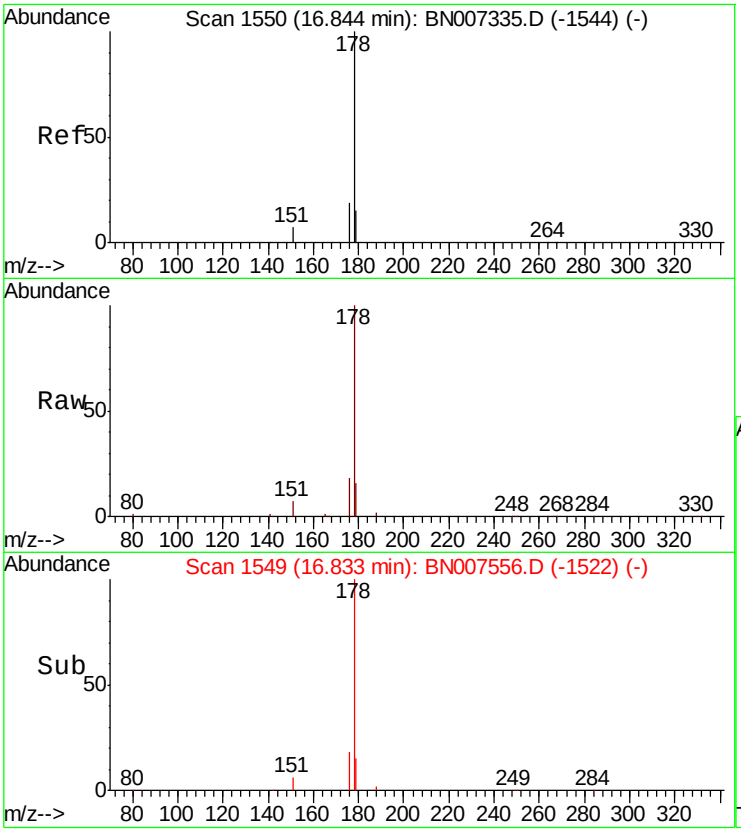


#22
Pentachlorophenol
Concen: 0.562 ng
RT: 16.45 min Scan# 1513
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:266 Resp: 2966

Ion	Ratio	Lower	Upper
266	100		
264	67.2	57.8	86.8
268	63.5	99.7	149.5#

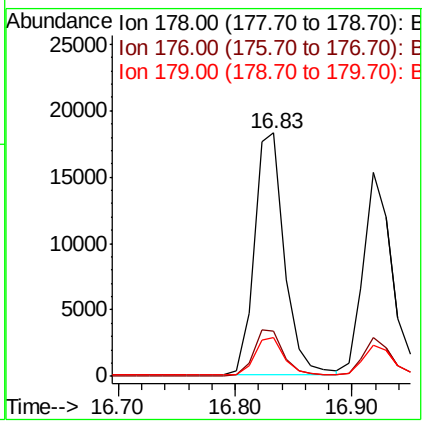




#23
Phenanthrene
Concen: 0.432 ng
RT: 16.83 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:178 Resp: 32908

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.5	12.6	19.0



Instrument :
BNA_N
ClientSampleId :
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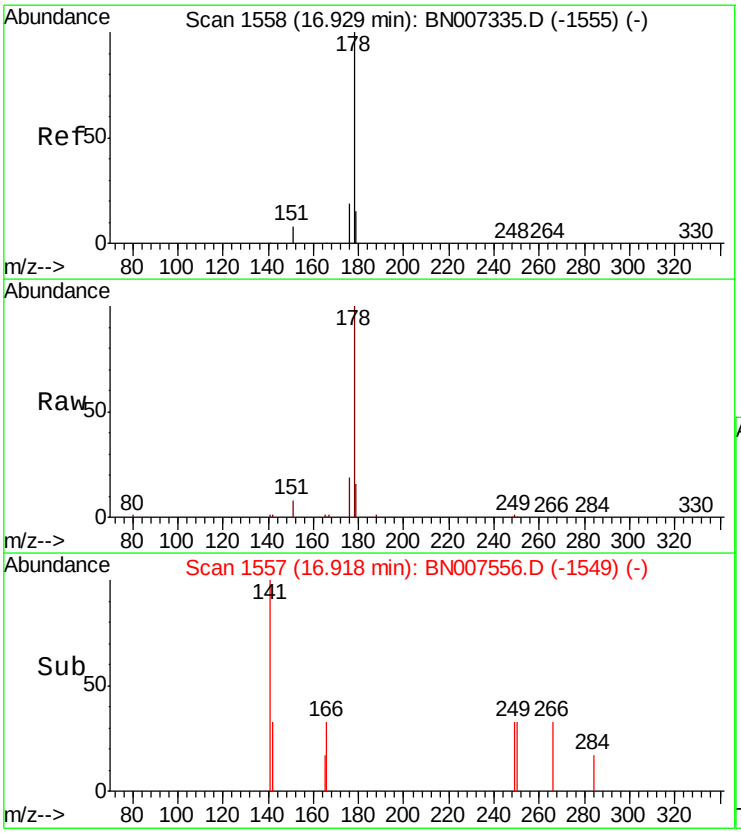
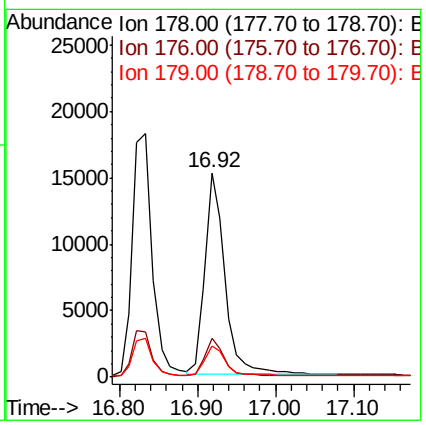
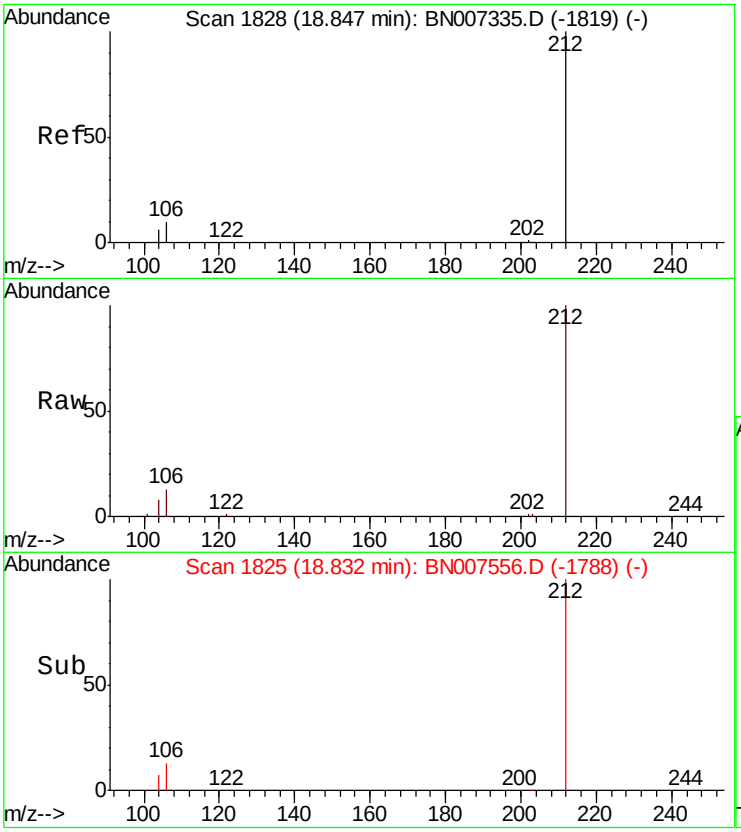


#24
Anthracene
Concen: 0.352 ng
RT: 16.92 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:178 Resp: 27002

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.9	22.3
179	15.1	12.4	18.6





#25
Fluoranthene-d10
Concen: 0.347 ng
RT: 18.83 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:212 Resp: 28345

Ion	Ratio	Lower	Upper
212	100		
106	13.5	9.0	13.4#
104	7.6	5.4	8.2

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

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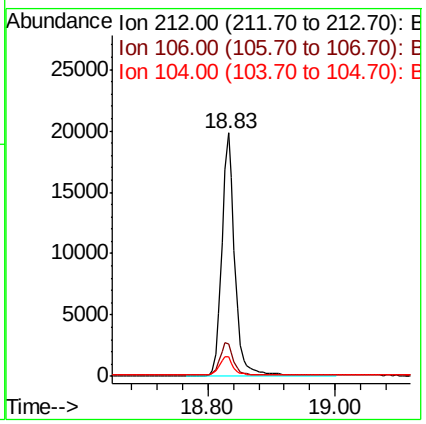
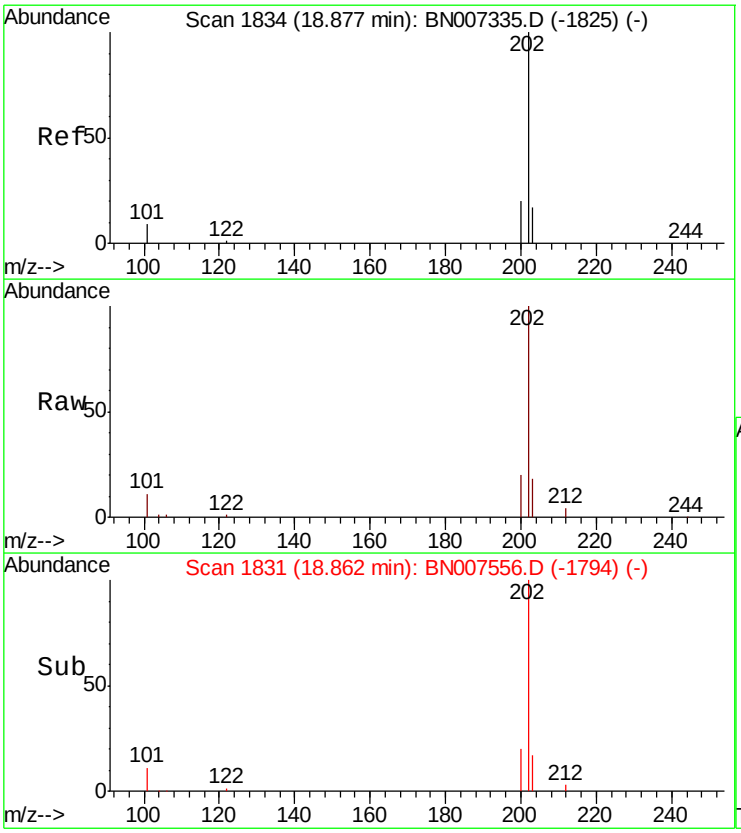
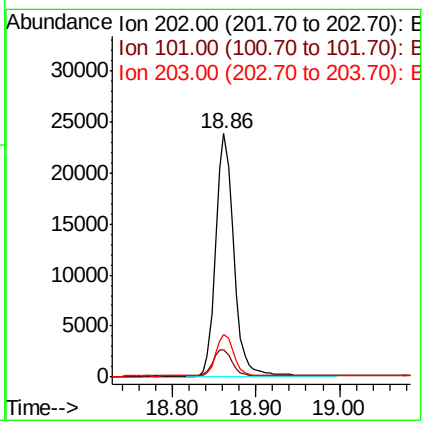


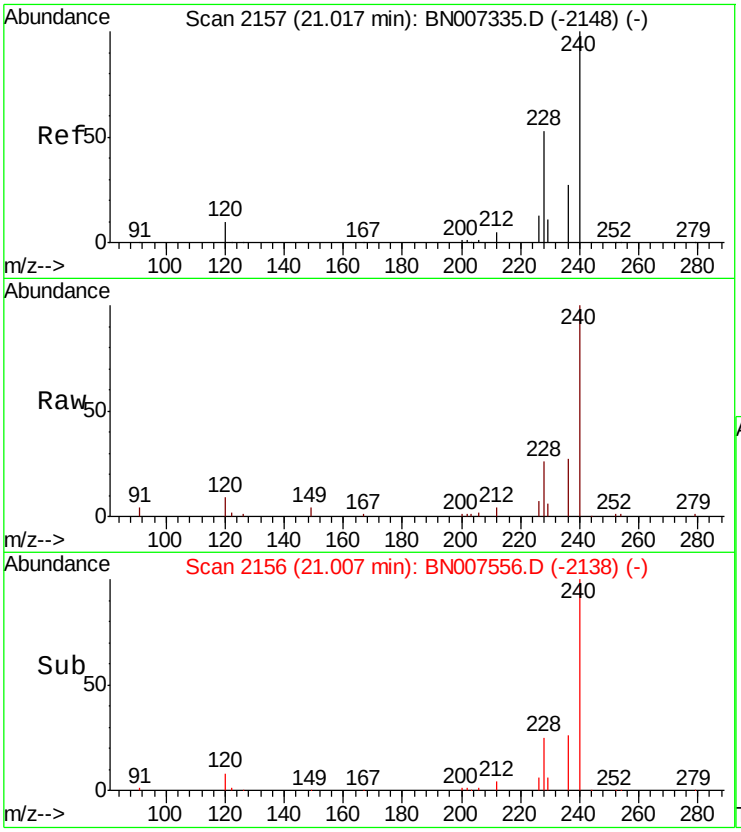


#26
Fluoranthene
Concen: 0.366 ng
RT: 18.86 min Scan# 1831
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:202 Resp: 35869

Ion	Ratio	Lower	Upper
202	100		
101	11.4	7.7	11.5
203	17.0	13.7	20.5

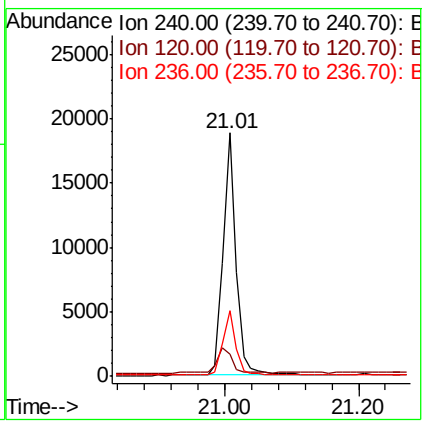




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.01 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:240 Resp: 25262

Ion	Ratio	Lower	Upper
240	100		
120	8.9	9.6	14.4#
236	26.8	22.2	33.2



Instrument :
BNA_N
ClientSampleId :
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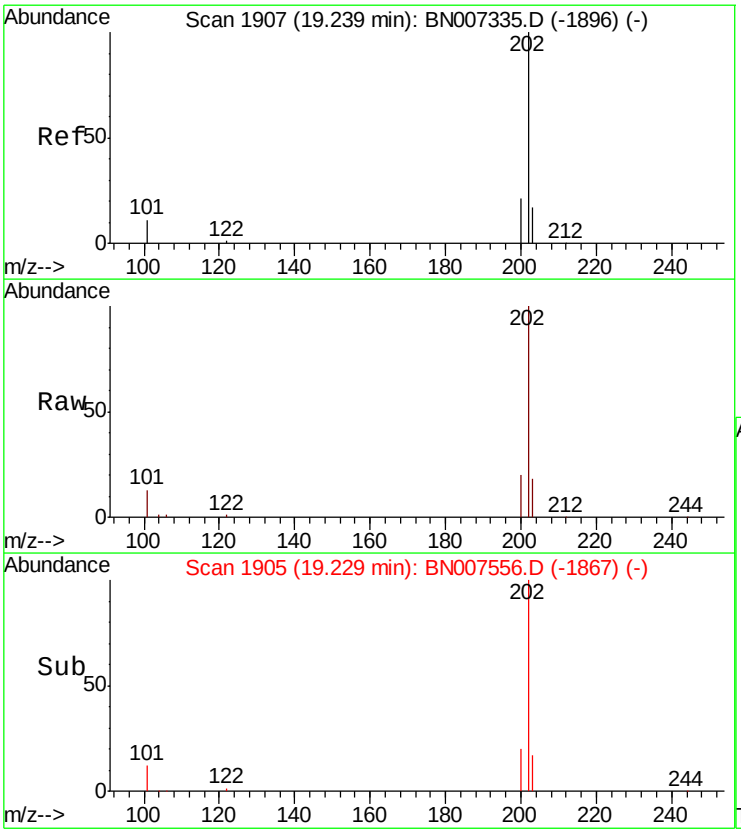
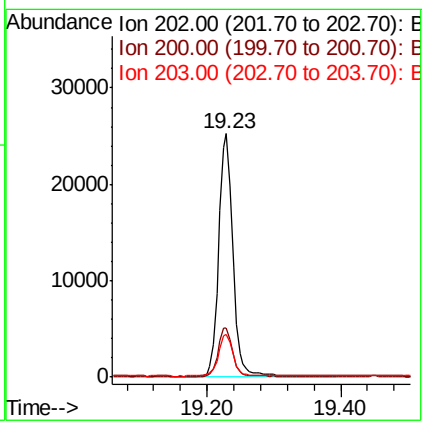
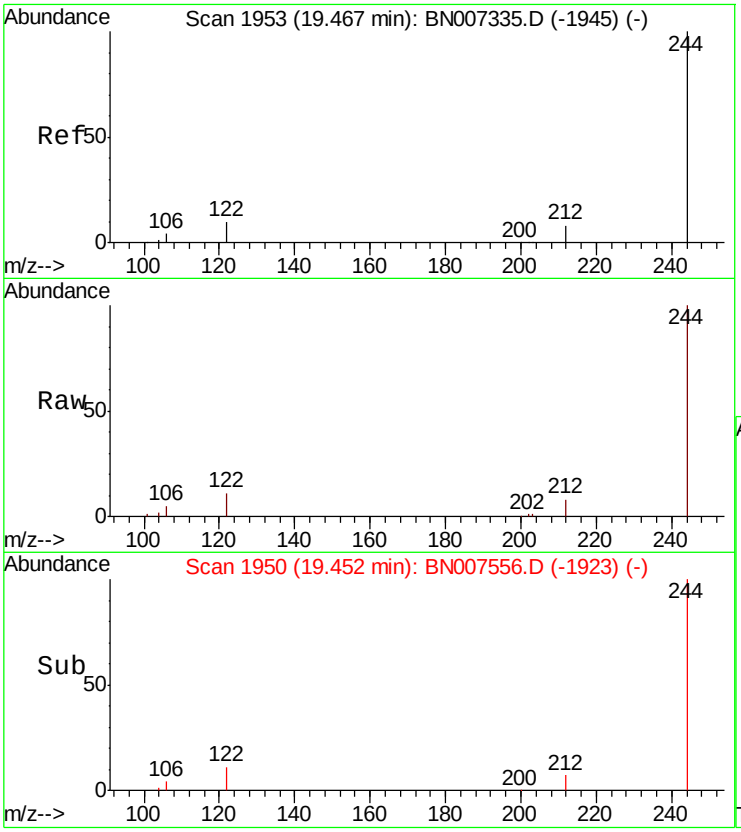


#28
Pyrene
Concen: 0.363 ng
RT: 19.23 min Scan# 1905
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:202 Resp: 36937

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	25.0
203	17.9	14.2	21.4





#29
Terphenyl-d14
Concen: 0.455 ng
RT: 19.45 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:244 Resp: 30096

Ion	Ratio	Lower	Upper
244	100		
212	7.6	7.0	10.6
122	11.1	9.6	14.4

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

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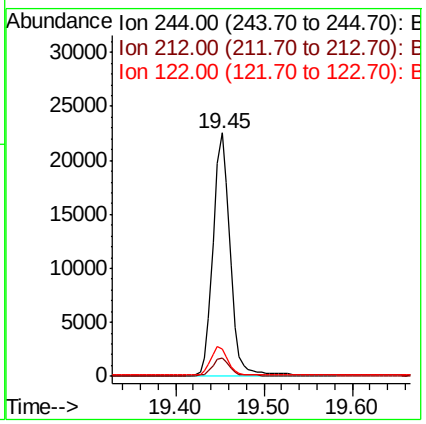
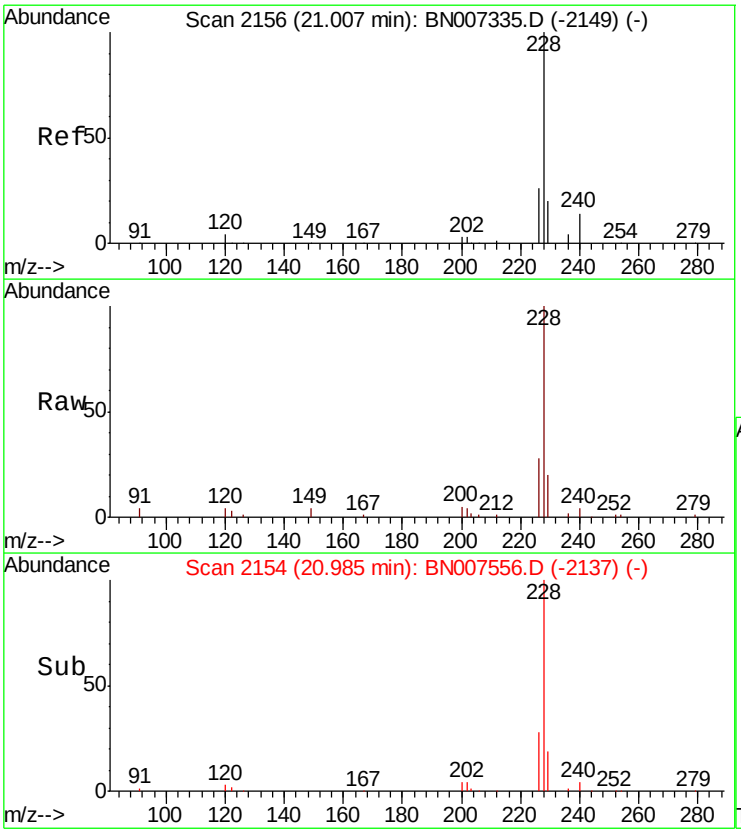
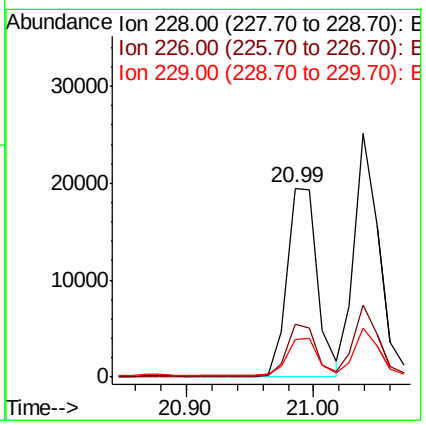


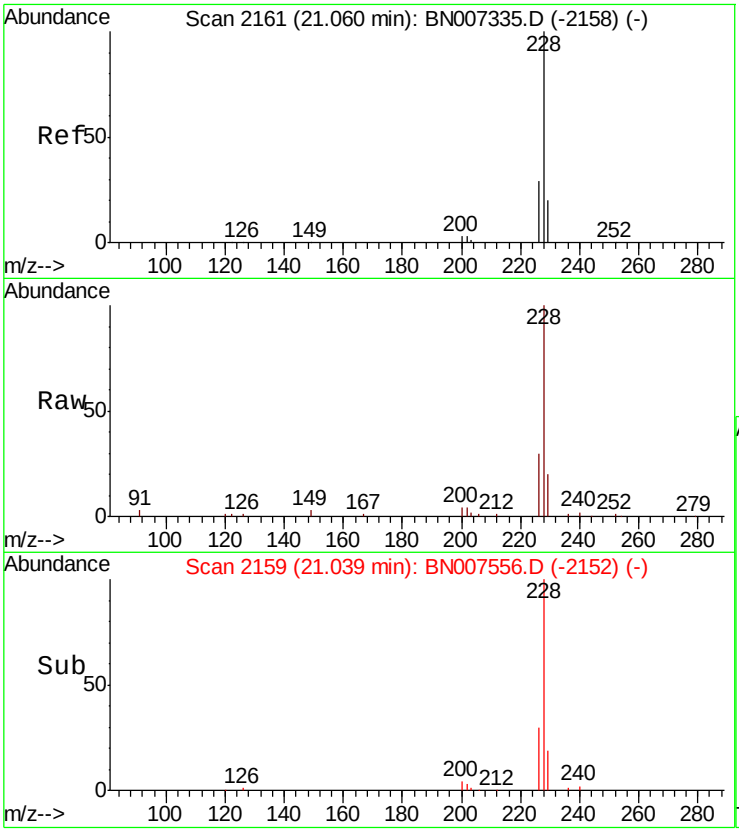


#30
Benzo(a)anthracene
Concen: 0.320 ng
RT: 20.99 min Scan# 2154
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:228 Resp: 31761

Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.3	31.9
229	20.0	16.1	24.1

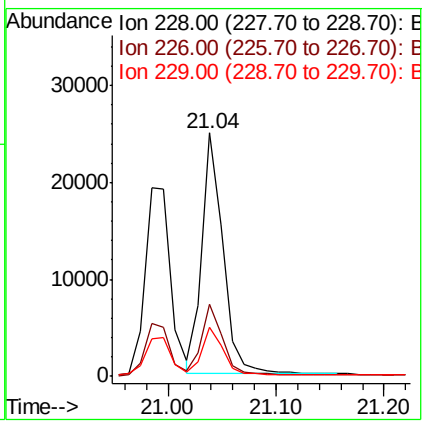




#31
Chrysene
Concen: 0.351 ng
RT: 21.04 min Scan# 2159
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:228 Resp: 33602

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.5	35.3
229	20.1	16.6	24.8



Instrument :
BNA_N
ClientSampleId :
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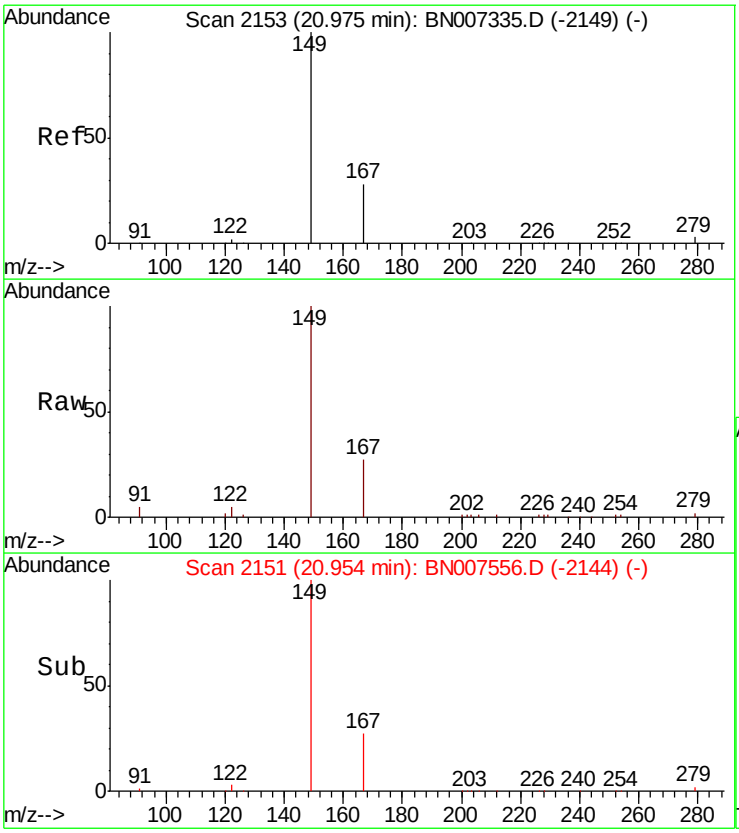
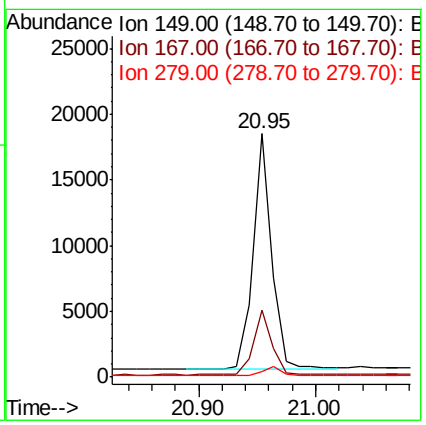
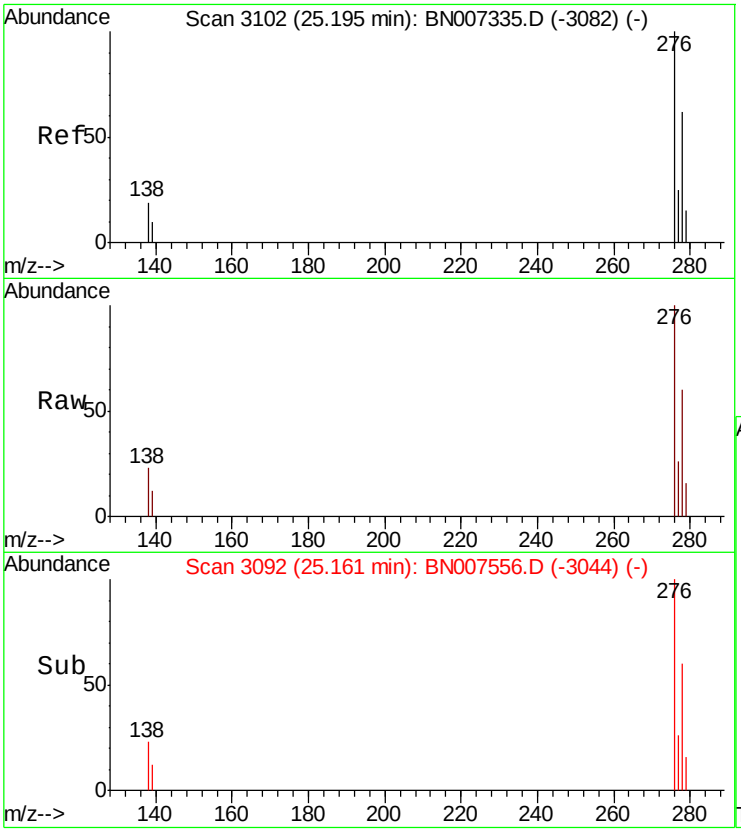


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.291 ng
RT: 20.95 min Scan# 2151
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:149 Resp: 19892

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.8	34.2
279	4.7	3.5	5.3

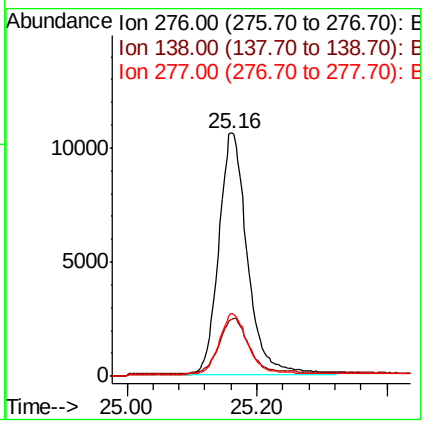




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.281 ng
RT: 25.16 min Scan# 3092
Delta R.T. -0.03 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:276 Resp: 32418

Ion	Ratio	Lower	Upper
276	100		
138	22.8	15.1	22.7#
277	24.5	19.7	29.5



Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

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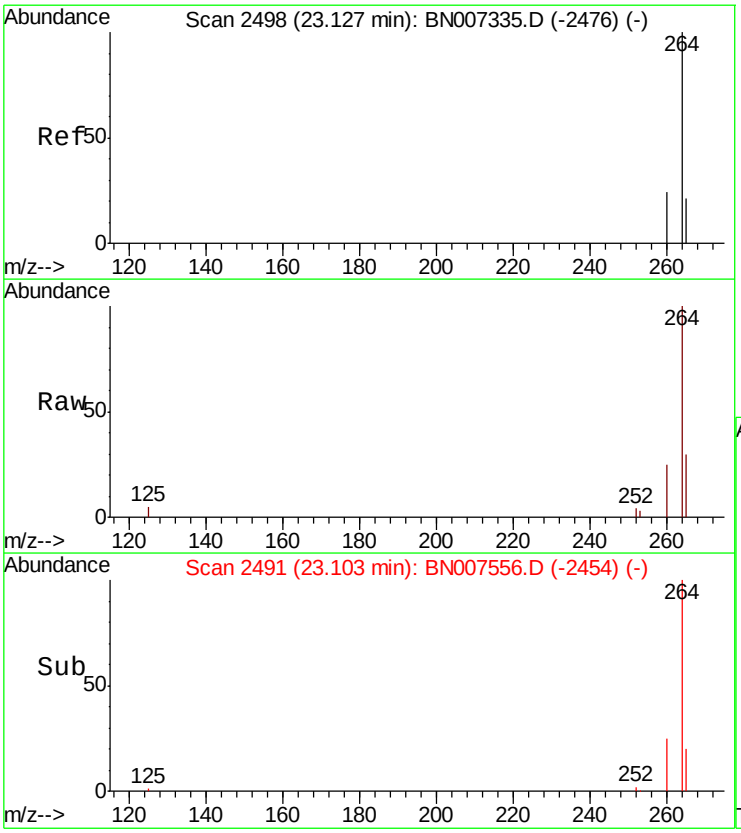
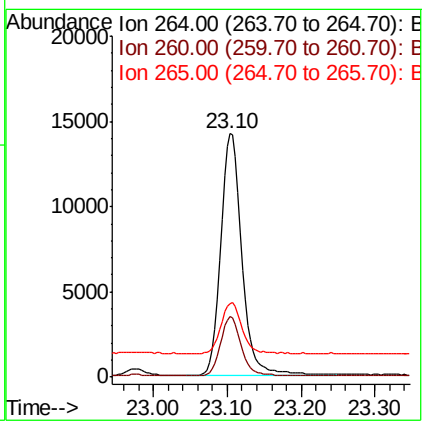
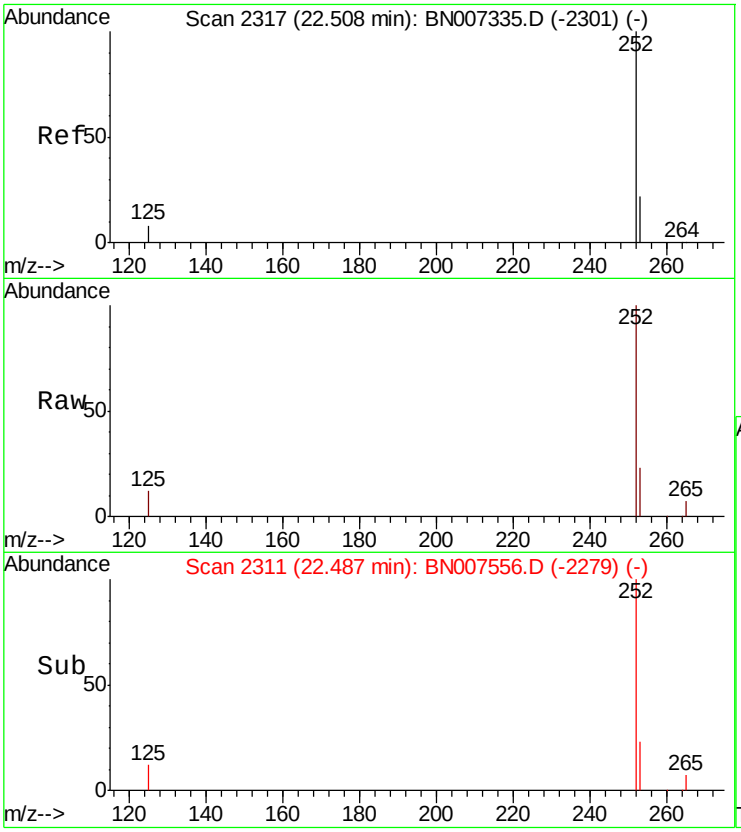


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.10 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:264 Resp: 27737

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	30.2	29.9	44.9

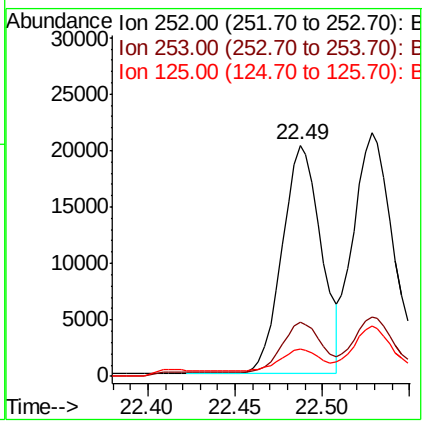




#35
Benzo(b)fluoranthene
Concen: 0.315 ng
RT: 22.49 min Scan# 2311
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:252 Resp: 31696

Ion	Ratio	Lower	Upper
252	100		
253	23.2	19.2	28.8
125	11.7	10.6	16.0



Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

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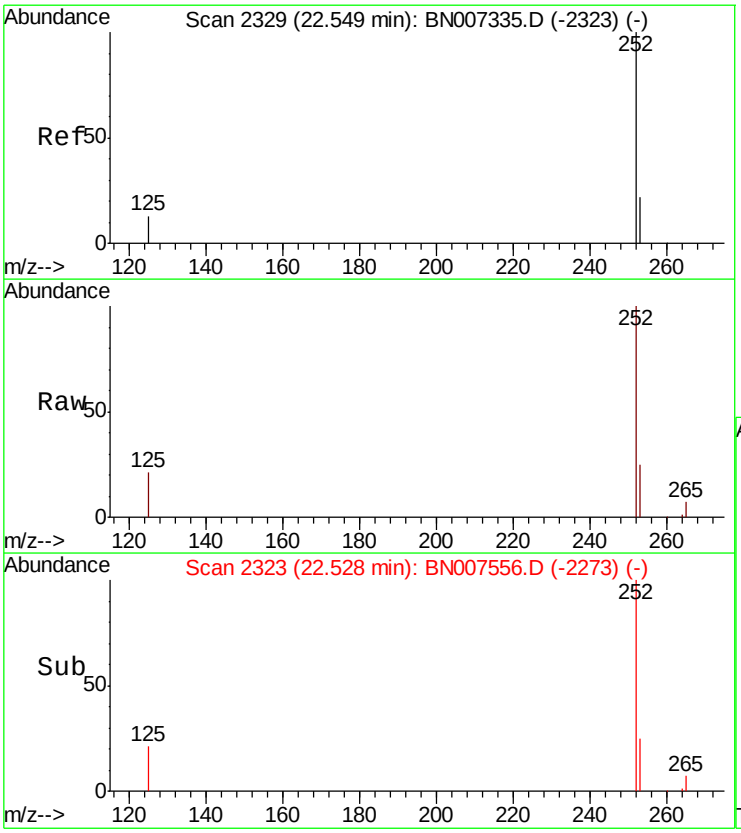
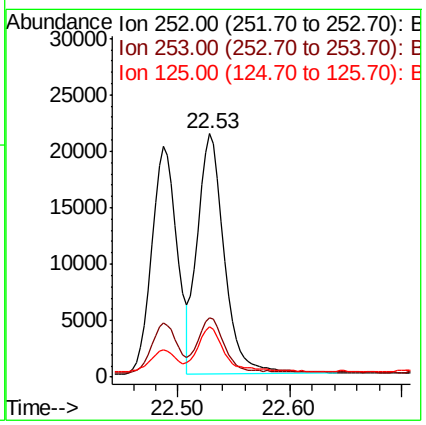
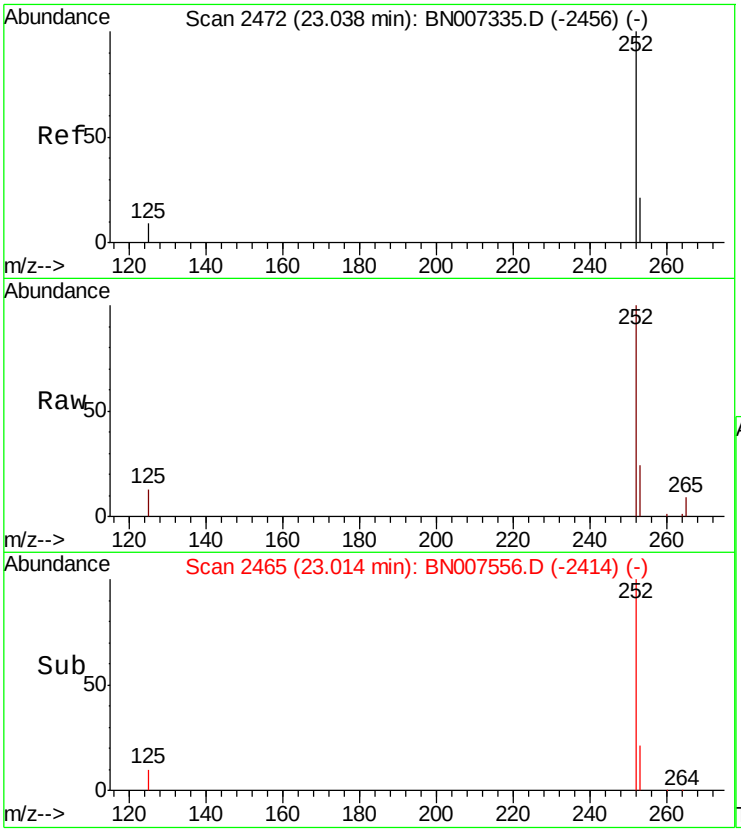


#36
Benzo(k)fluoranthene
Concen: 0.354 ng
RT: 22.53 min Scan# 2323
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:252 Resp: 35140

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.4	29.2
125	20.8	13.1	19.7#

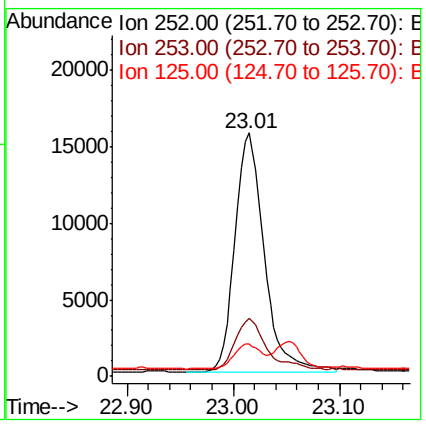




#37
Benzo(a)pyrene
Concen: 0.317 ng
RT: 23.01 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:252 Resp: 30319

Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.5	29.3
125	13.1	12.1	18.1



Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

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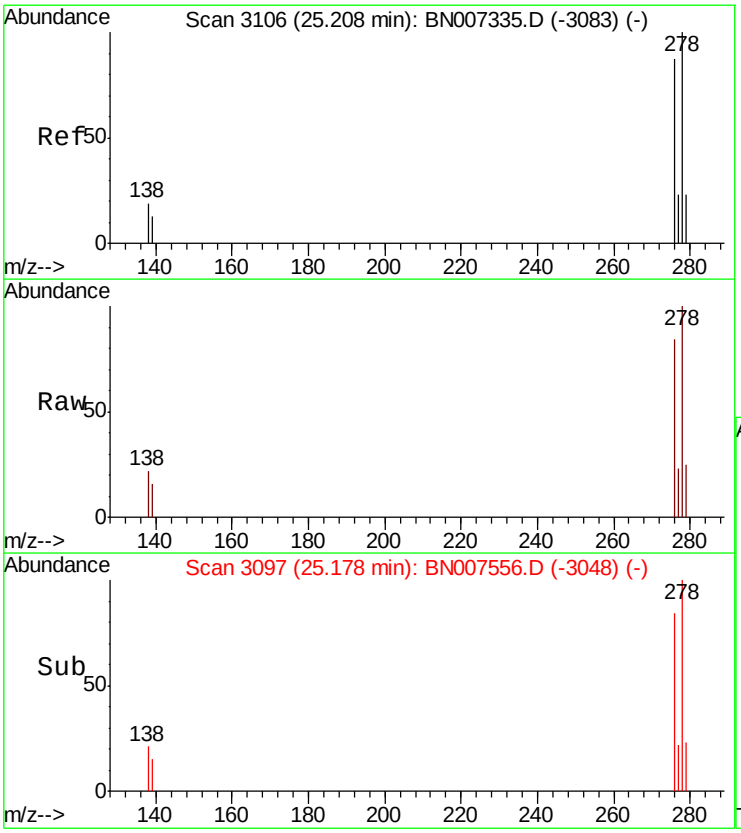
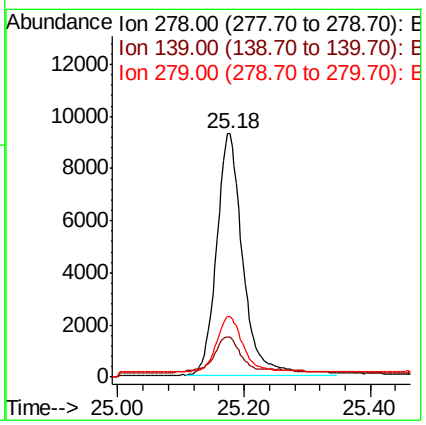
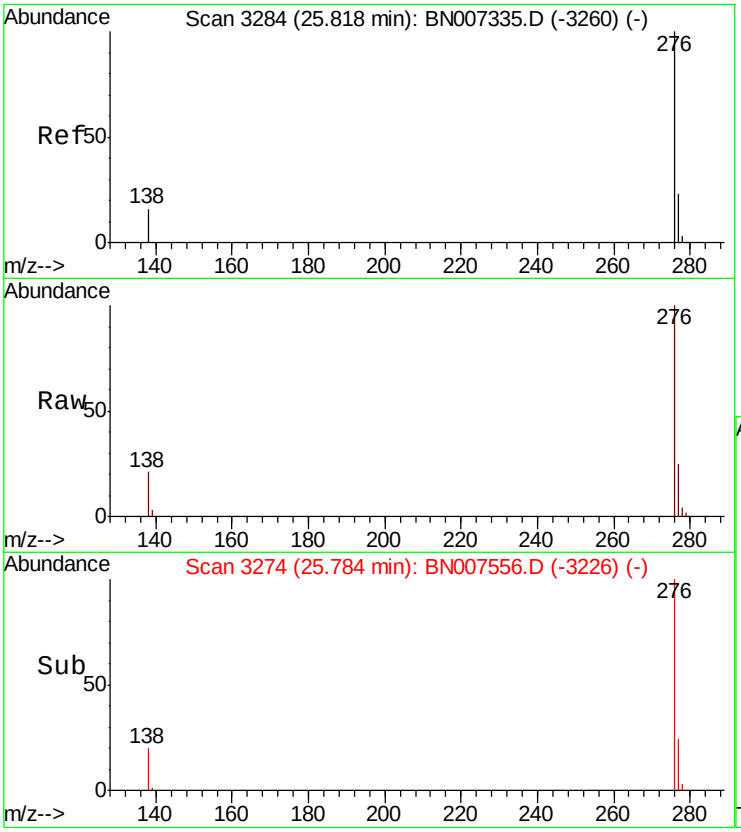


#38
Dibenzo(a,h)anthracene
Concen: 0.281 ng
RT: 25.18 min Scan# 3097
Delta R.T. -0.03 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:278 Resp: 26784

Ion	Ratio	Lower	Upper
278	100		
139	16.3	13.7	20.5
279	25.0	20.2	30.4

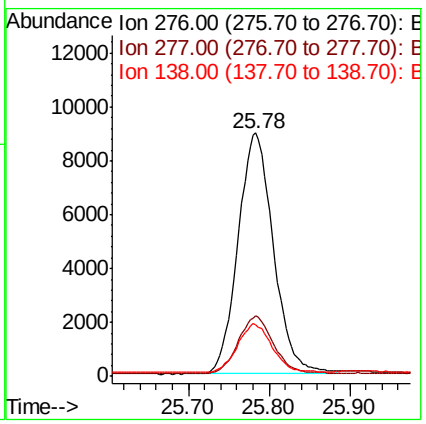




#39
Benzo(g,h,i)perylene
Concen: 0.287 ng
RT: 25.78 min Scan# 3274
Delta R.T. -0.03 min
Lab File: BN007556.D
Acq: 06 Sep 2019 23:49

Tgt Ion:276 Resp: 27302

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	21.2	16.3	24.5



Instrument :
BNA_N
ClientSampleId :
GW-200-B4-47.0-52.0-090519MSD

Manual Integrations APPROVED
mohammad
9/12/2019 9:25:56 AM