

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\
 Data File : BN007551.D
 Acq On : 06 Sep 2019 20:48
 Operator : HP/JU
 Sample : K4722-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW-200-B4-13.0-18.0-090519

Manual Integrations
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mohammad
 9/12/2019 9:25:51 AM

Quant Time: Sep 07 00:17:27 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : 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	6005	0.40	ng	-0.02
7) Naphthalene-d8	10.14	136	24598	0.40	ng	-0.03
13) Acenaphthene-d10	14.03	164	13698	0.40	ng	-0.02
19) Phenanthrene-d10	16.78	188	30251	0.40	ng	-0.02
27) Chrysene-d12	21.00	240	29664	0.40	ng	-0.01
34) Perylene-d12	23.11	264	32747	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.03	112	174	-0.02	ng	0.00
5) Phenol-d6	6.58	99	188	-0.03	ng	0.00
8) Nitrobenzene-d5	8.53	82	2393	0.11	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	5218	0.13	ng	-0.02
14) 2,4,6-Tribromophenol	15.54	330	74	0.01	ng	-0.02
15) 2-Fluorobiphenyl	12.65	172	9751	0.18	ng	0.00
25) Fluoranthene-d10	18.83	212	11888	0.12	ng	-0.02
29) Terphenyl-d14	19.45	244	9296	0.12	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.19	128	9401	0.134	ng	# 92
12) 2-Methylnaphthalene	11.82	142	22551	0.471	ng	96
16) Acenaphthylene	13.75	152	2786	0.034	ng	# 95
17) Acenaphthene	14.10	154	2225	0.047	ng	94
18) Fluorene	15.09	166	4498	0.075	ng	98
23) Phenanthrene	16.83	178	34173	0.376	ng	99
24) Anthracene	16.92	178	4809	0.053	ng	98
26) Fluoranthene	18.86	202	21391	0.183	ng	98
28) Pyrene	19.23	202	22825	0.191	ng	97
30) Benzo(a)anthracene	20.99	228	7385	0.063	ng	92
31) Chrysene	21.05	228	8582	0.076	ng	98
32) Bis(2-ethylhexyl)phthalate	20.96	149	7714	0.083	ng	98
33) Indeno(1,2,3-cd)pyrene	25.17	276	2943	0.022	ng	96
35) Benzo(b)fluoranthene	22.50	252	7231	0.061	ng	# 67
36) Benzo(k)fluoranthene	22.53	252	2416m	0.021	ng	
37) Benzo(a)pyrene	23.02	252	4289	0.038	ng	# 63
39) Benzo(a,h,i)perylene	25.80	276	3199	0.028	ng	# 83

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

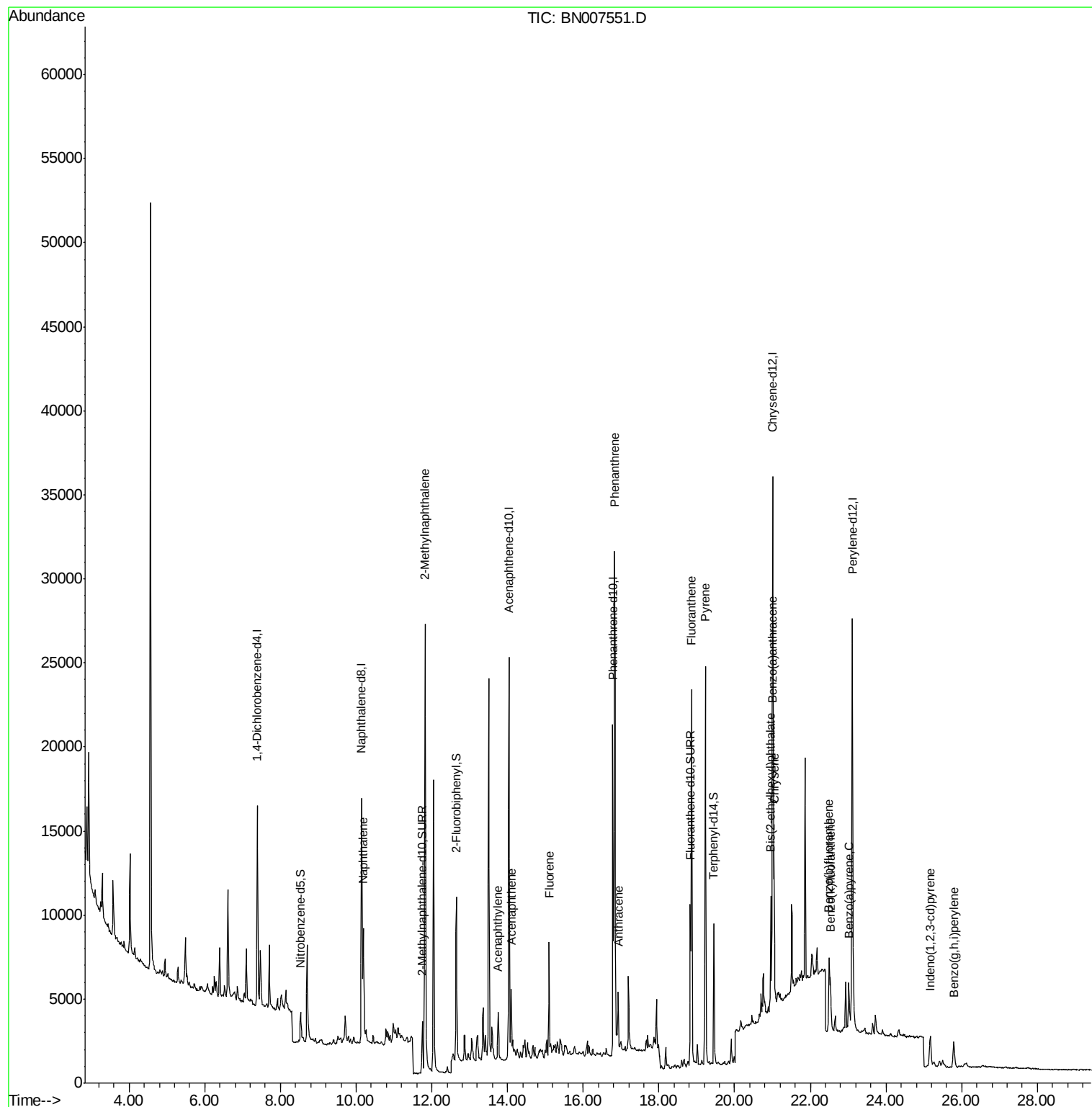
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090619\
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#1

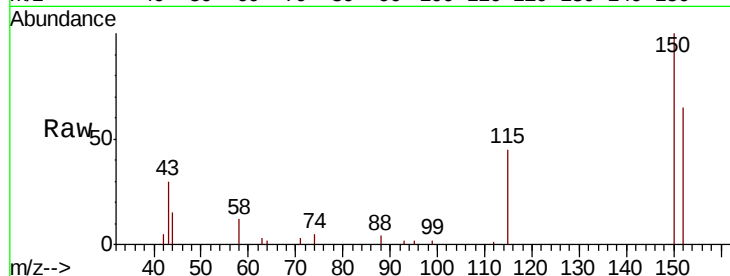
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 566
Delta R.T. -0.02 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-13.0-18.0-090519

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	109.1	163.7
115	68.9	59.6	89.4

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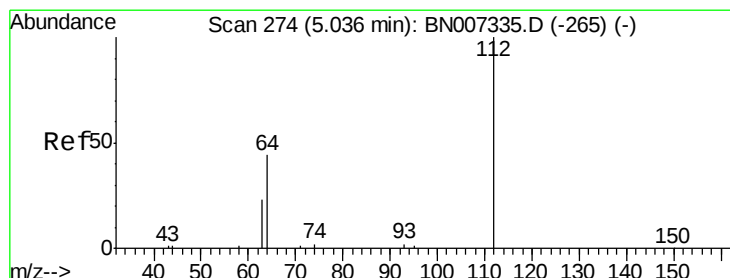
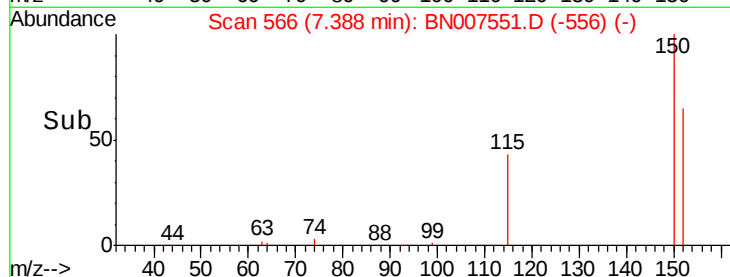
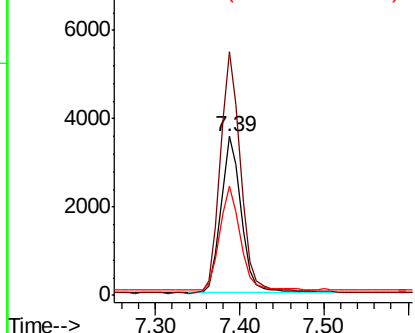


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

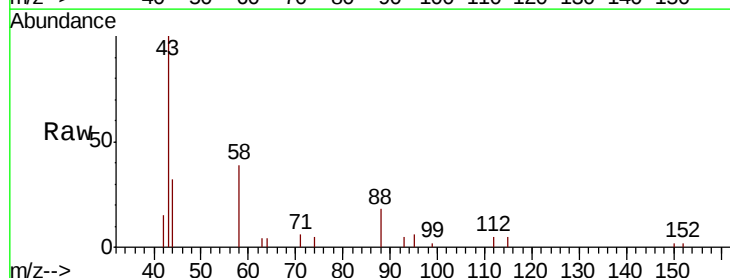
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: -0.021 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	42.3	63.5
63	36.2	23.6	35.4#

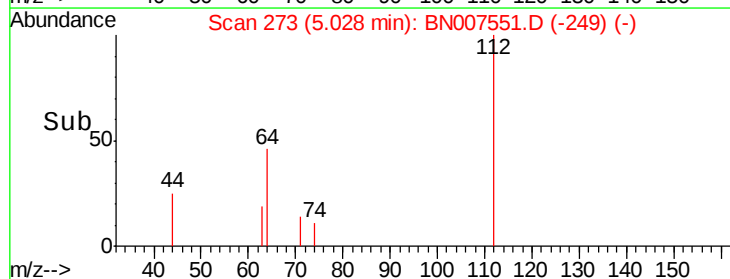
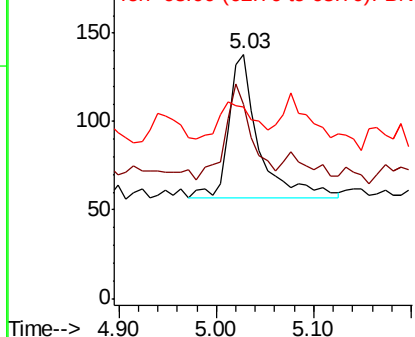


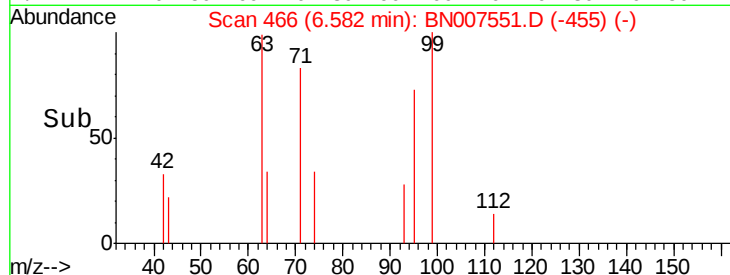
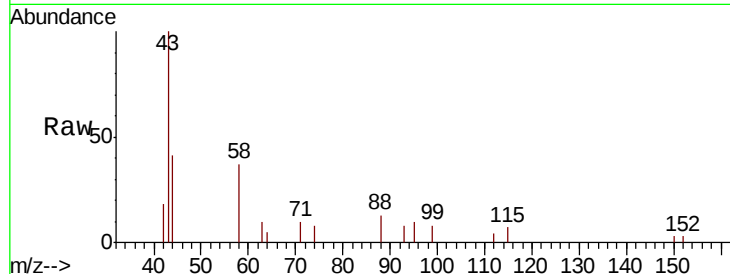
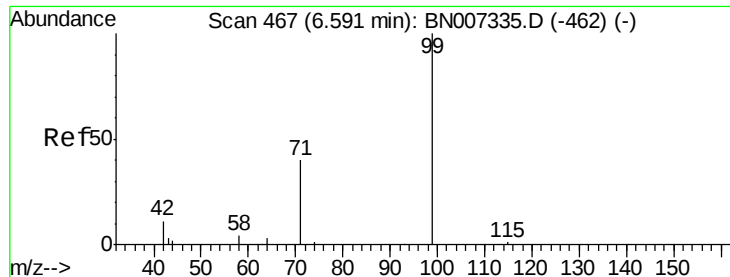
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: -0.025 ng

RT: 6.58 min Scan# 466

Delta R.T. -0.01 min

Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

Tot Ion:	99	Resp:	188
Ion Ratio	Lower	Upper	
99	100		
42	0.0	11.2	16.8#
71	0.0	31.8	47.8#

Instrument :

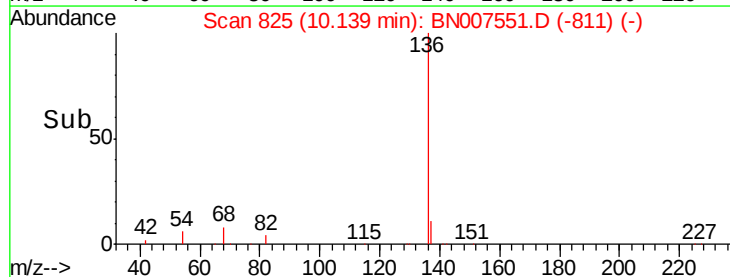
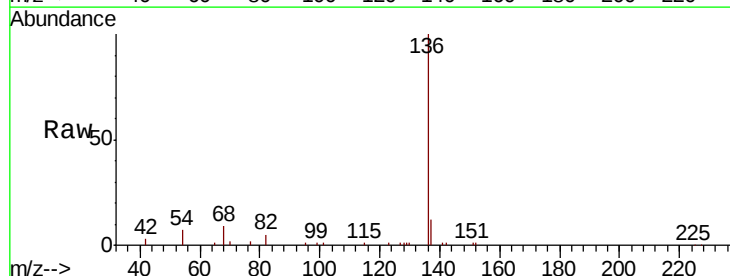
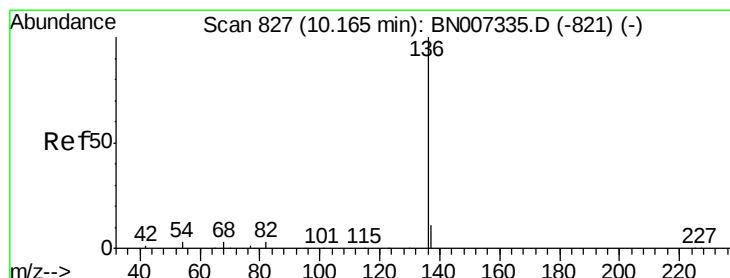
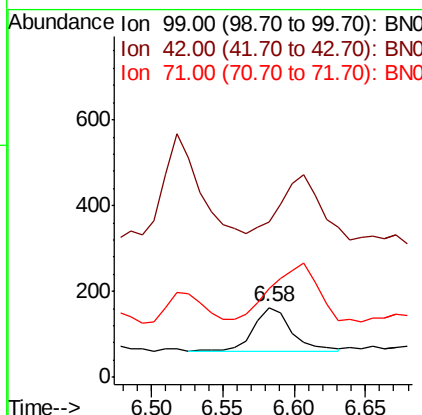
BNA_N

ClientSampleId :

GW-200-B4-13.0-18.0-090519

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#7

Naphthalene-d8

Concen: 0.400 ng

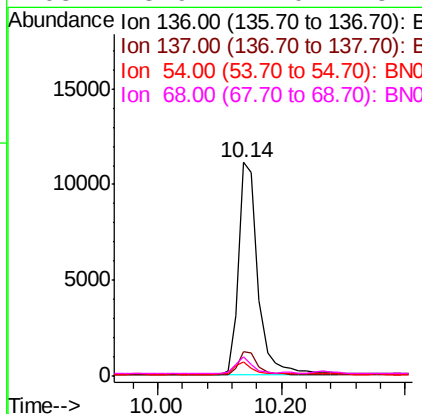
RT: 10.14 min Scan# 825

Delta R.T. -0.03 min

Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

Tgt Ion:	136	Resp:	24598
Ion Ratio	Lower	Upper	
136	100		
137	11.6	12.9	19.3#
54	6.7	8.6	12.8#
68	8.9	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.112 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

Instrument :

BNA_N

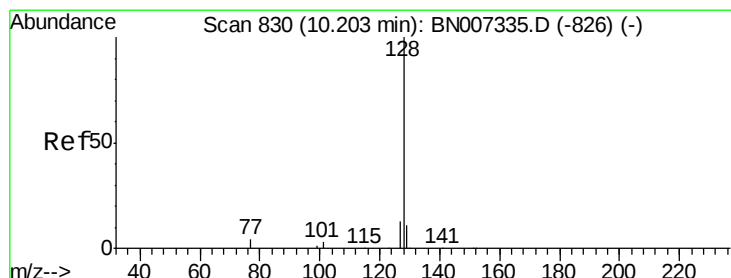
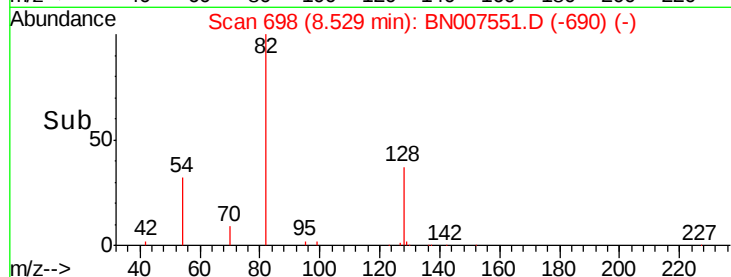
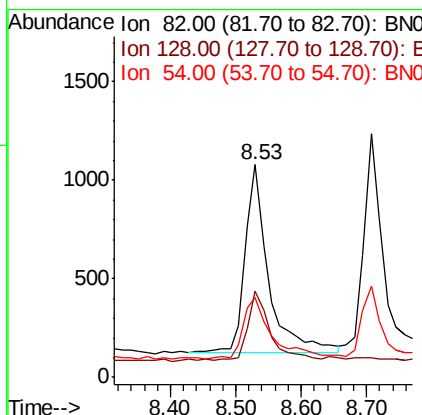
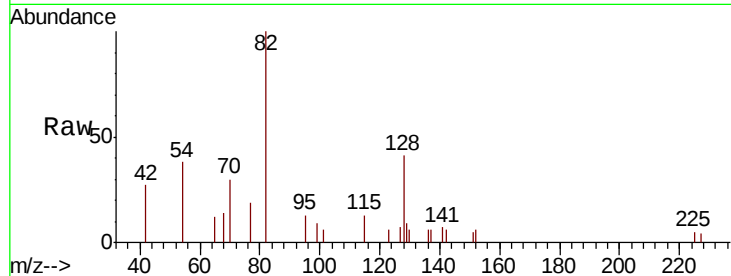
ClientSampleId :

GW-200-B4-13.0-18.0-090519

Tot Ion:	82	Resp:	2393
Ion	Ratio	Lower	Upper
82	100		
128	40.8	19.7	29.5#
54	37.6	25.8	38.6

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#9

Naphthalene

Concen: 0.134 ng

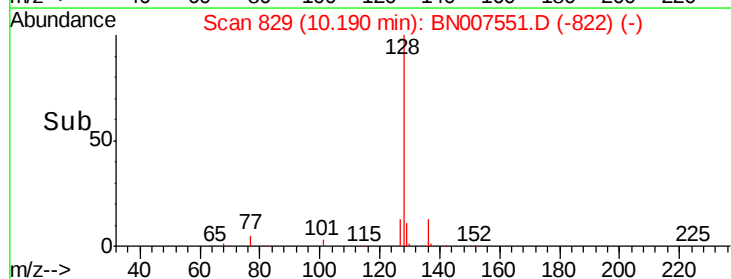
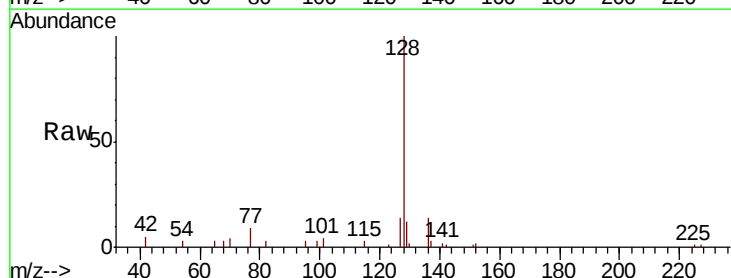
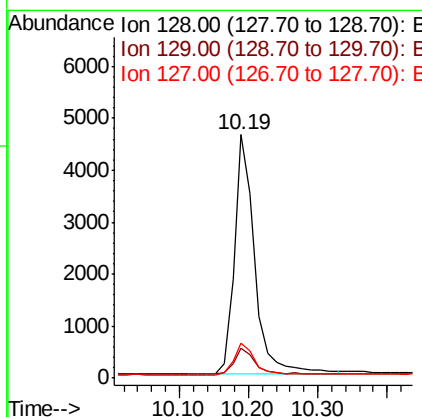
RT: 10.19 min Scan# 829

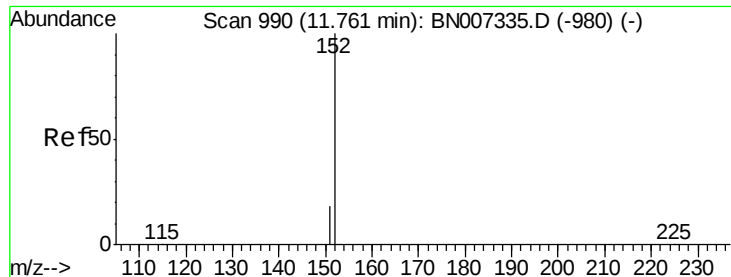
Delta R.T. -0.01 min

Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

Tgt Ion:	128	Resp:	9401
Ion	Ratio	Lower	Upper
128	100		
129	12.4	11.1	16.7
127	14.1	15.5	23.3#





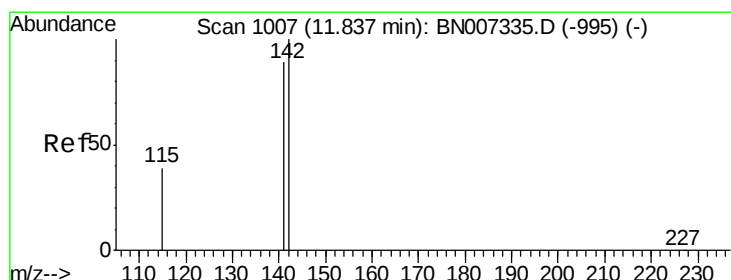
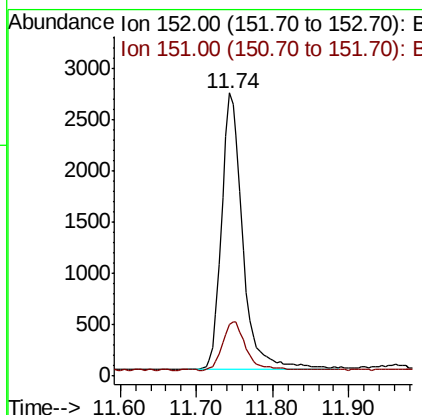
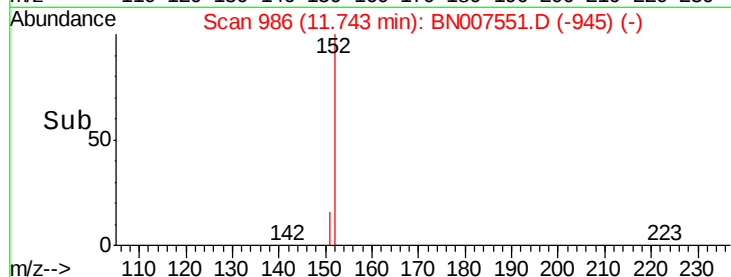
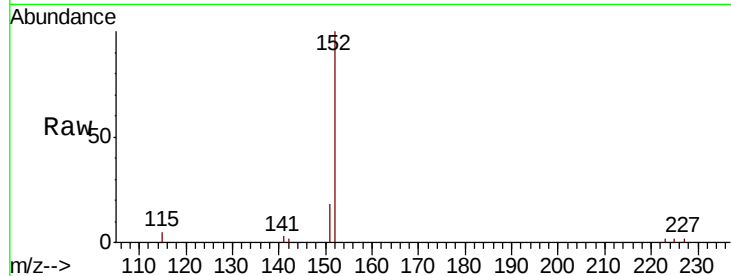
#11
2-Methylnaphthalene-d10
Concen: 0.128 ng
RT: 11.74 min Scan# 986
Delta R.T. -0.02 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-13.0-18.0-090519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.2	24.2

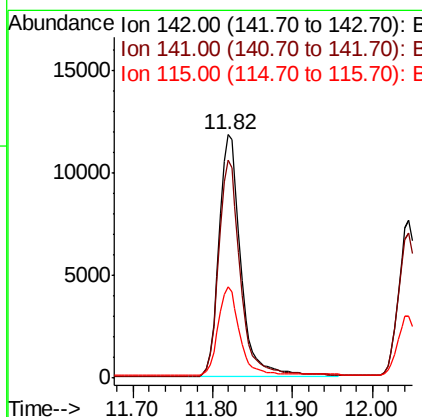
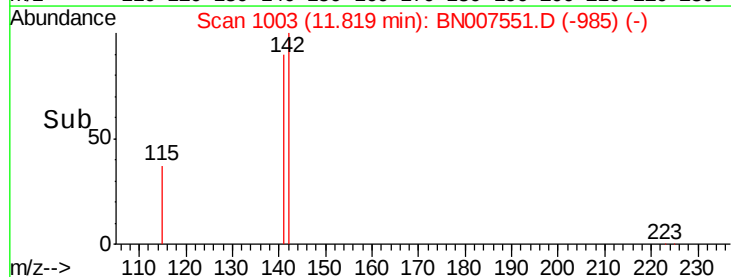
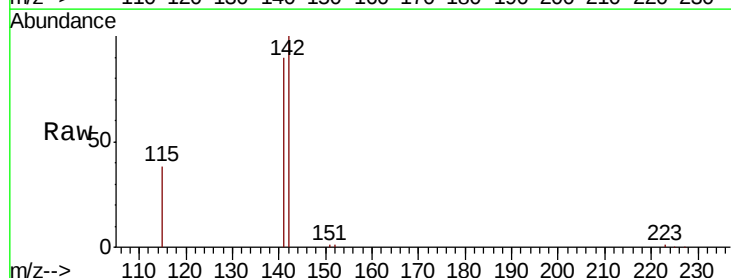
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#12
2-Methylnaphthalene
Concen: 0.471 ng
RT: 11.82 min Scan# 1003
Delta R.T. -0.02 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.8	109.2
115	37.7	35.2	52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.03 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

Instrument :

BNA_N

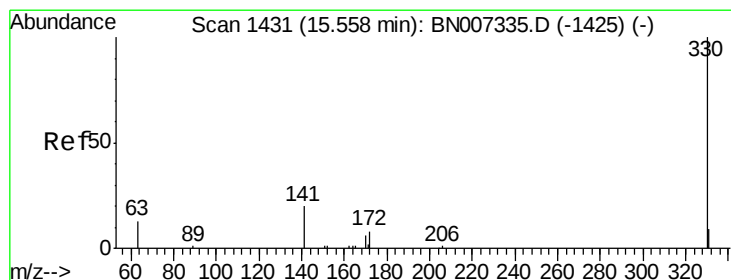
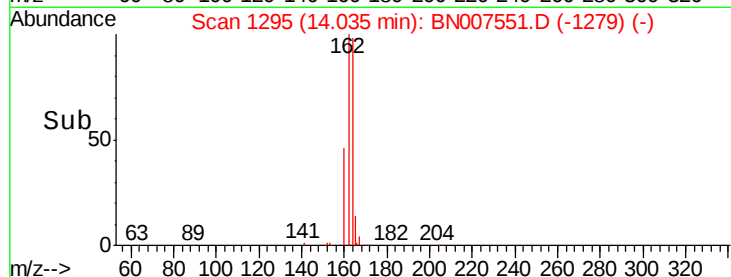
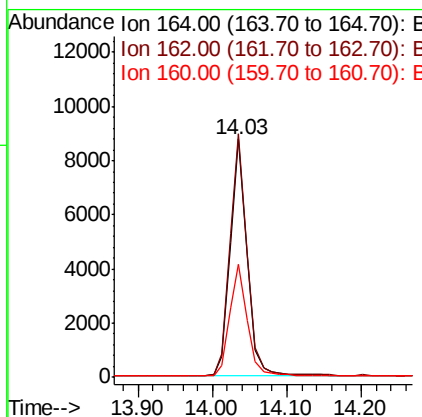
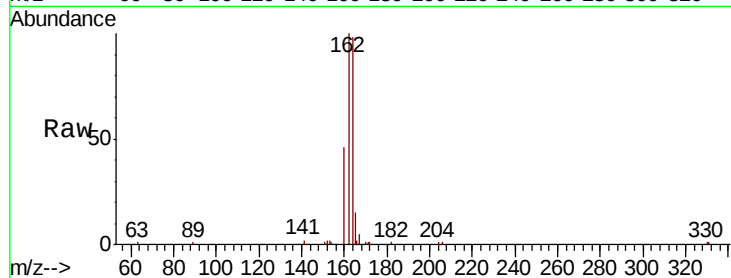
ClientSampleId :

GW-200-B4-13.0-18.0-090519

Tot Ion:	164	Resp:	13698
Ion Ratio	Lower	Upper	
164	100		
162	102.2	83.5	125.3
160	47.3	38.2	57.4

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#14

2,4,6-Tribromophenol

Concen: 0.010 ng

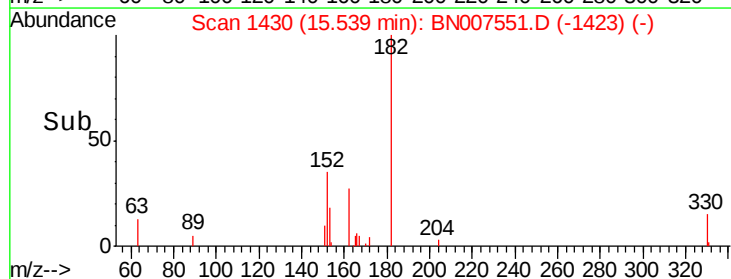
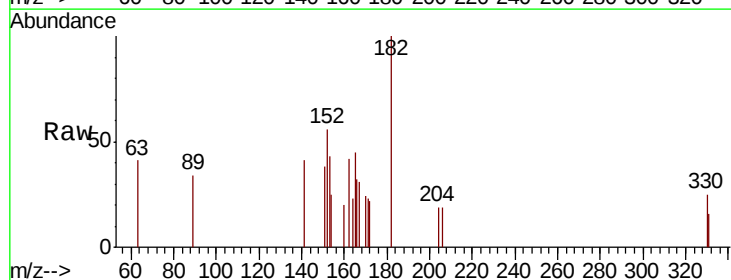
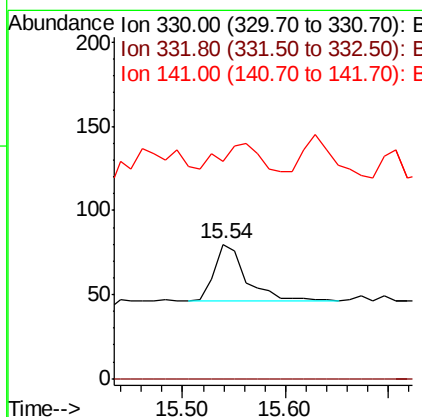
RT: 15.54 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

Tgt Ion:	330	Resp:	74
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	0.0	26.9	40.3#





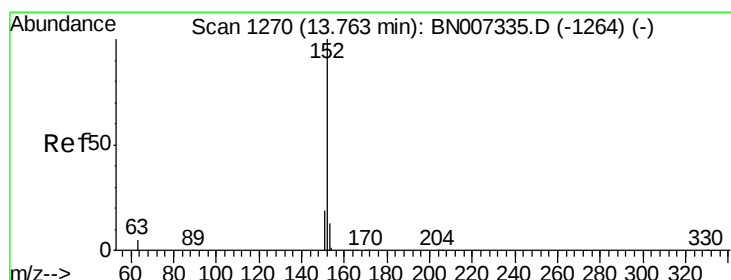
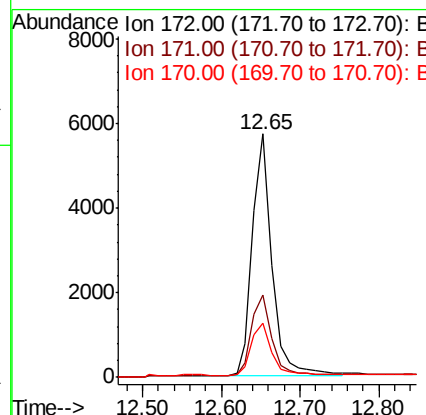
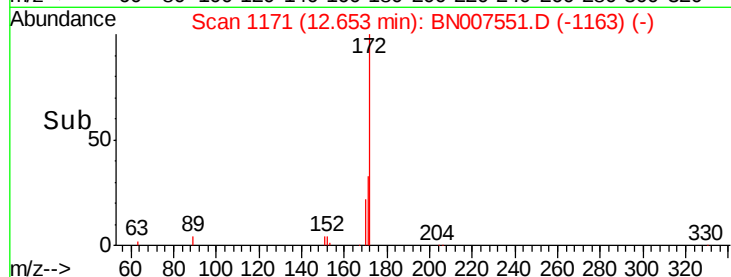
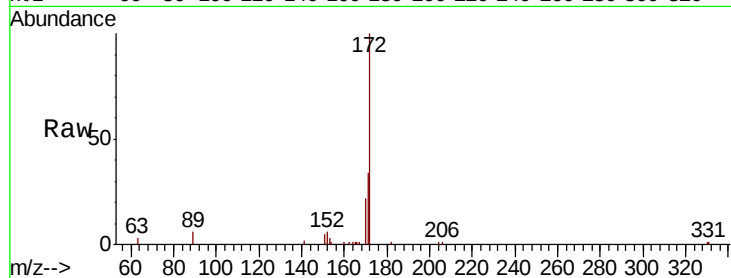
#15
2-Fluorobiphenyl
Concen: 0.177 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-13.0-18.0-090519

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.9	30.3	45.5
170	22.4	20.7	31.1

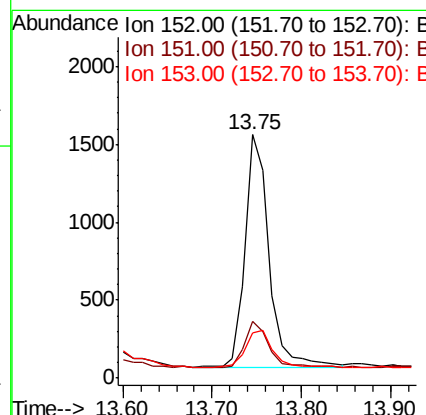
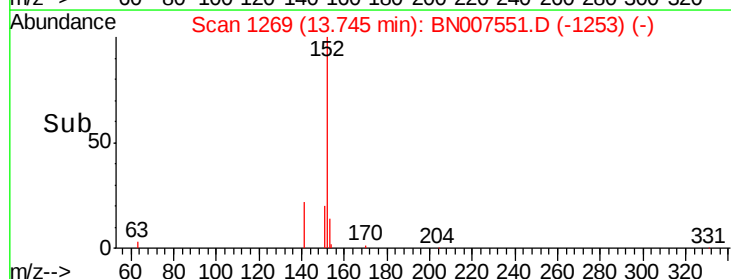
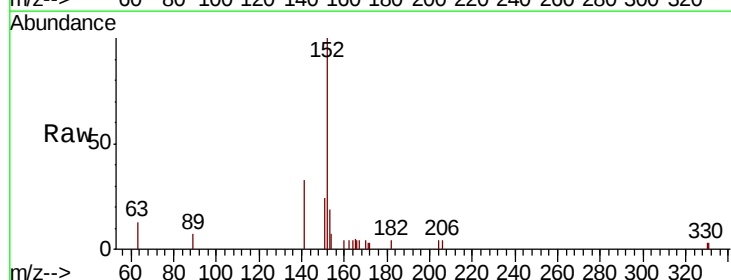
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#16
Acenaphthylene
Concen: 0.034 ng
RT: 13.75 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.1	24.1
153	17.8	10.6	15.8#





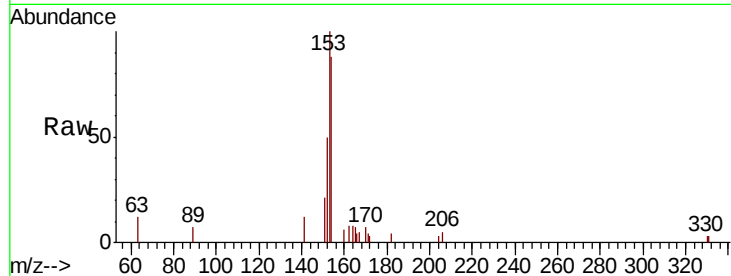
#17
Acenaphthene
Concen: 0.047 ng
RT: 14.10 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-13.0-18.0-090519

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.5	92.8	139.2
152	64.9	43.8	65.8

Manual Integrations
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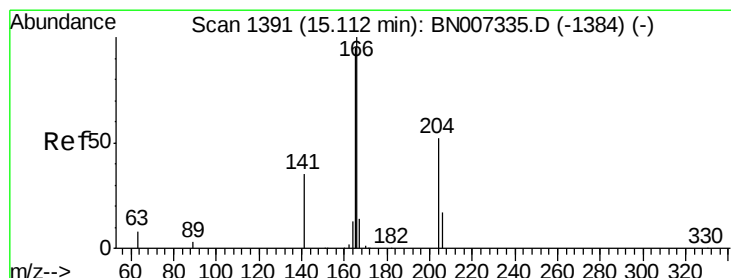
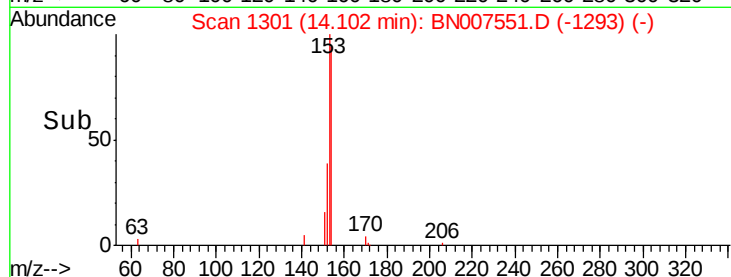
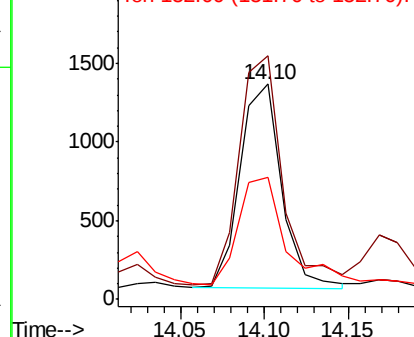


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.075 ng
RT: 15.09 min Scan# 1390
Delta R.T. -0.02 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

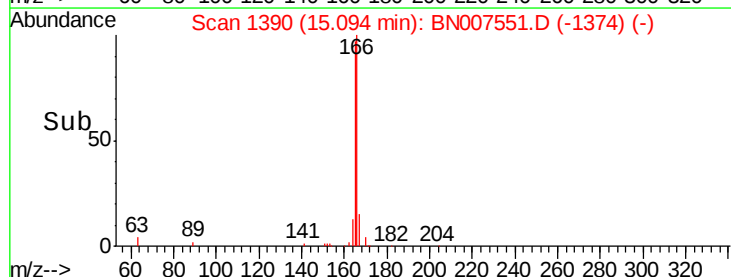
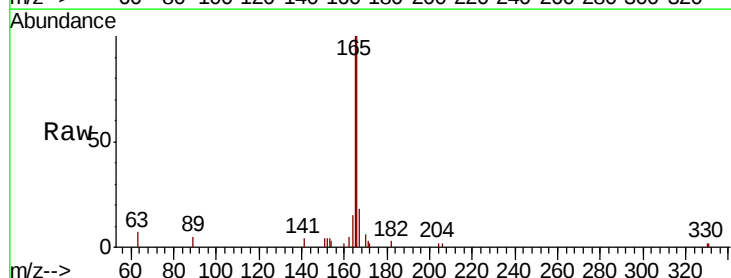
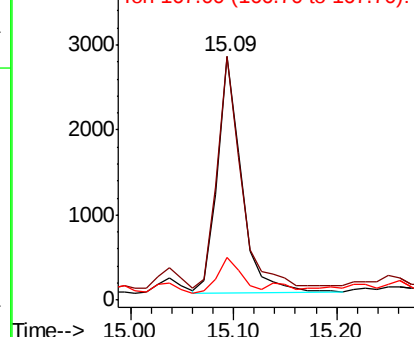
Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.0	118.4
167	15.1	10.6	15.8

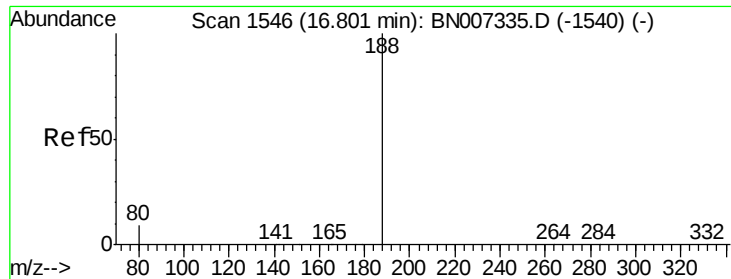
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.78 min Scan# 1545

Delta R.T. -0.02 min

Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

Instrument :

BNA_N

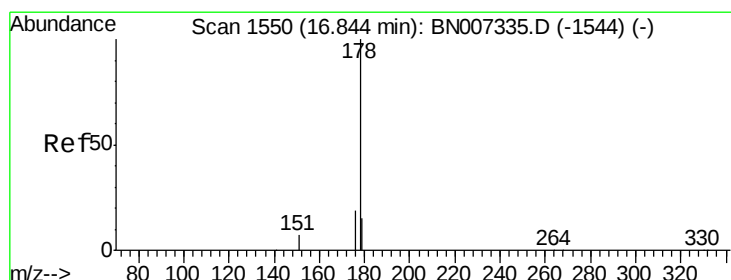
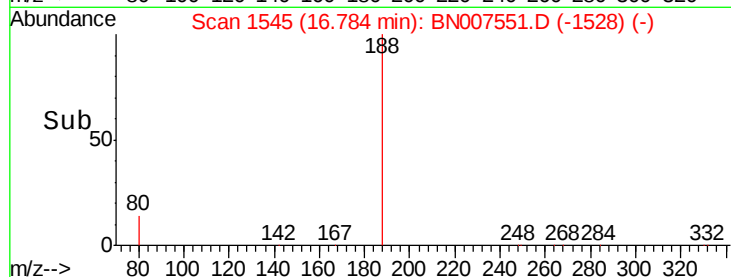
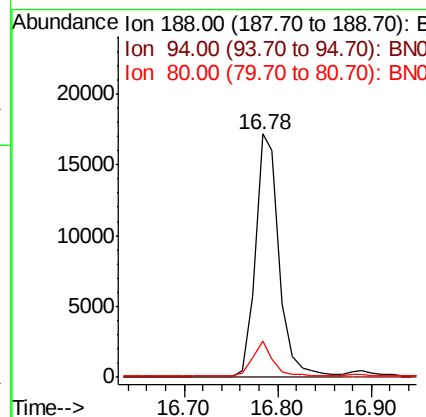
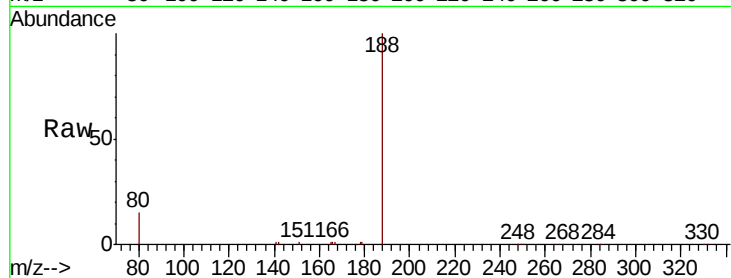
ClientSampleId :

GW-200-B4-13.0-18.0-090519

Tot Ion:	188	Resp:	30251
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	14.7	11.8	17.8

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#23

Phenanthrene

Concen: 0.376 ng

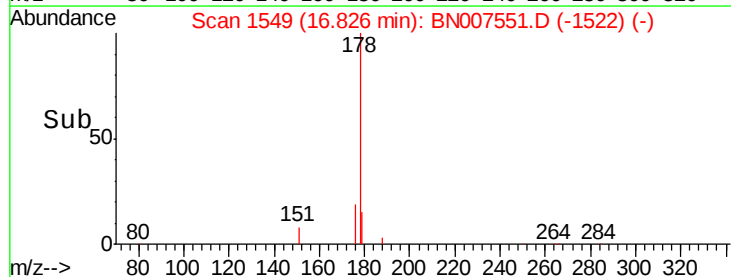
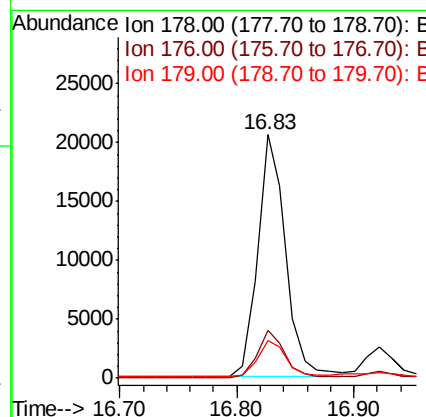
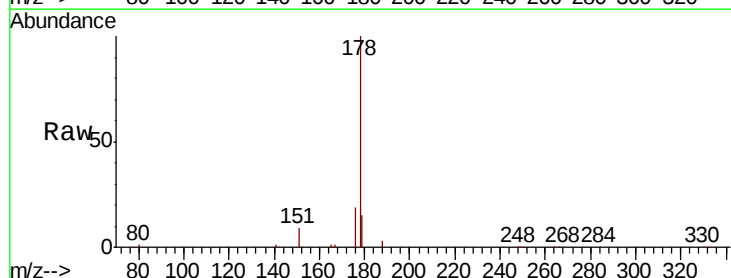
RT: 16.83 min Scan# 1549

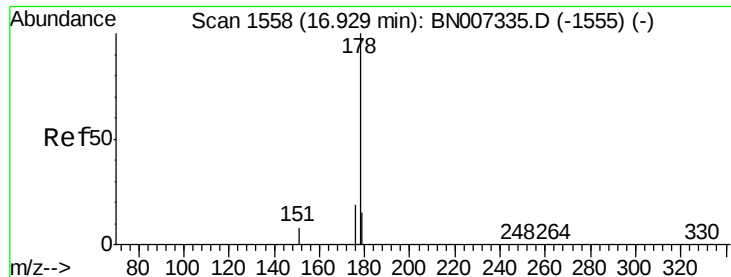
Delta R.T. -0.02 min

Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

Tgt Ion:	178	Resp:	34173
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.3	22.9
179	15.3	12.6	19.0





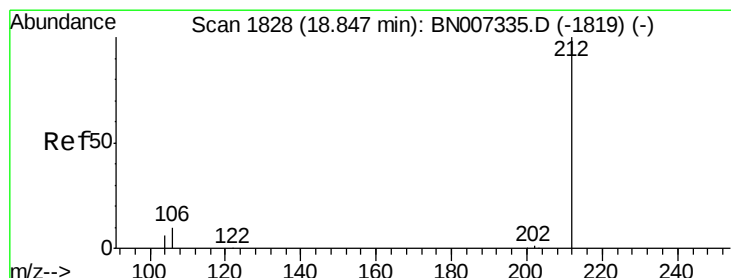
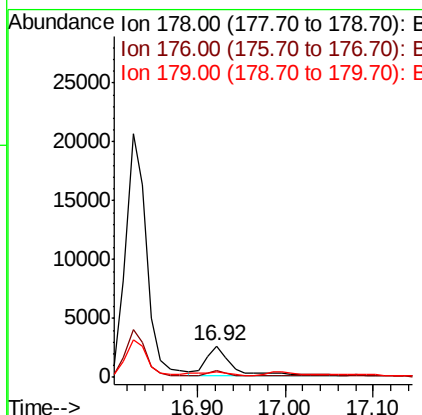
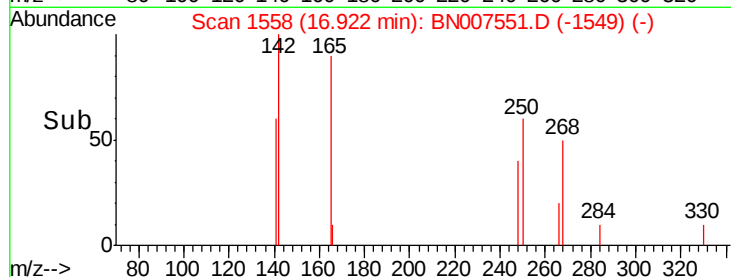
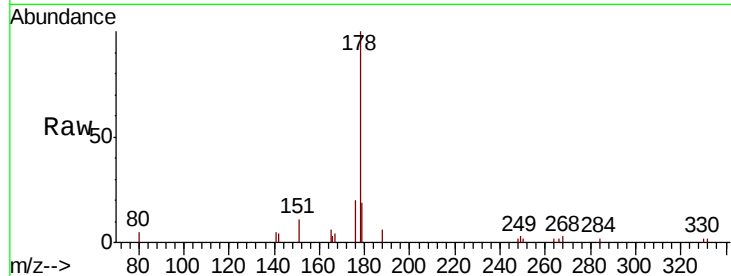
#24
 Anthracene
 Concen: 0.053 ng
 RT: 16.92 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BN007551.D
 Acq: 06 Sep 2019 20:48

Instrument :
 BNA_N
 ClientSampleId :
 GW-200-B4-13.0-18.0-090519

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.9	22.3
179	16.9	12.4	18.6

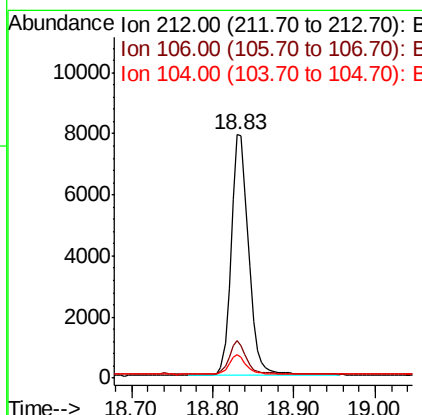
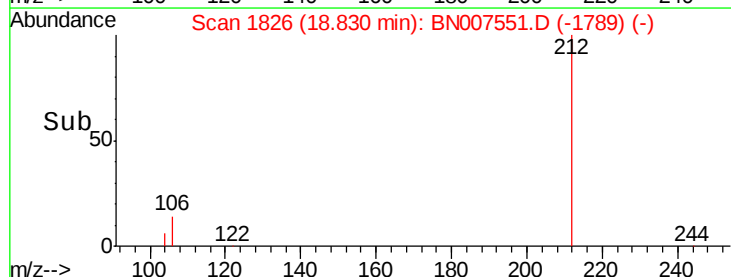
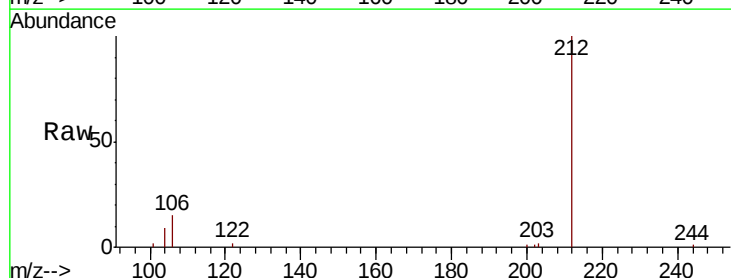
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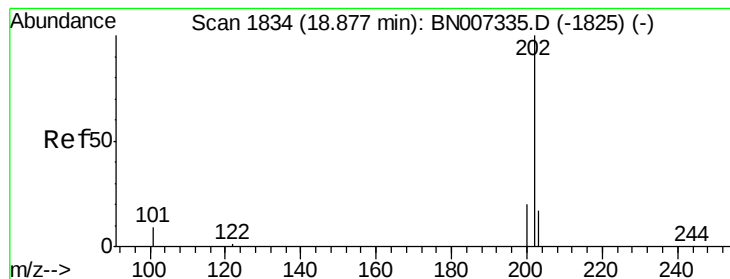
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.122 ng
 RT: 18.83 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BN007551.D
 Acq: 06 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.9	9.0	13.4#
104	8.5	5.4	8.2#





#26

Fluoranthene

Concen: 0.183 ng

RT: 18.86 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

Instrument :

BNA_N

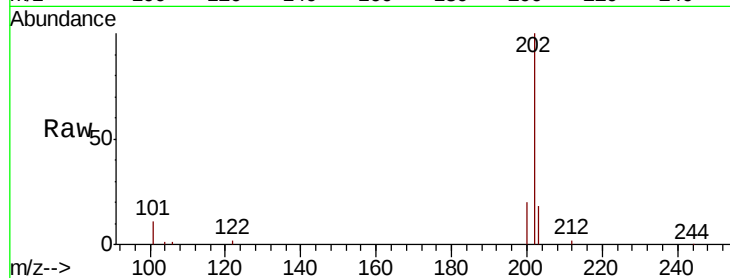
ClientSampleId :

GW-200-B4-13.0-18.0-090519

Tot Ion:	202	Resp:	21391
Ion Ratio	Lower	Upper	
202	100		
101	11.4	7.7	11.5
203	17.4	13.7	20.5

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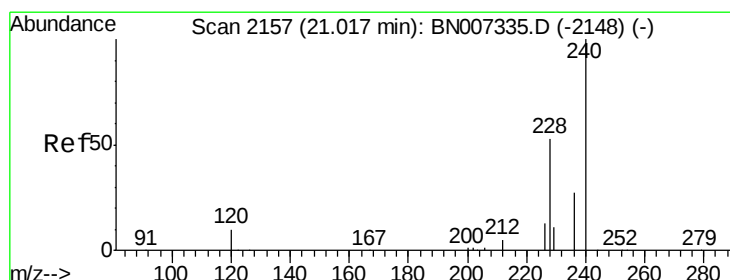
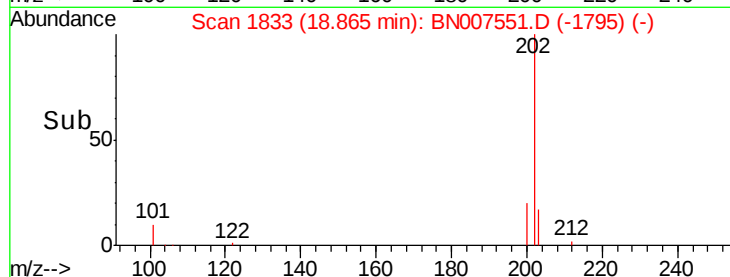
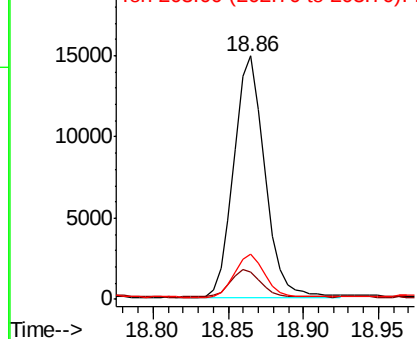


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.01 min

Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

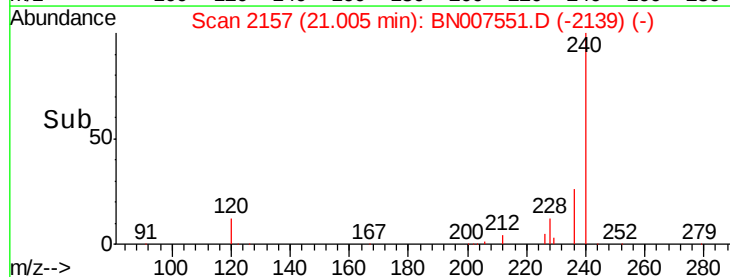
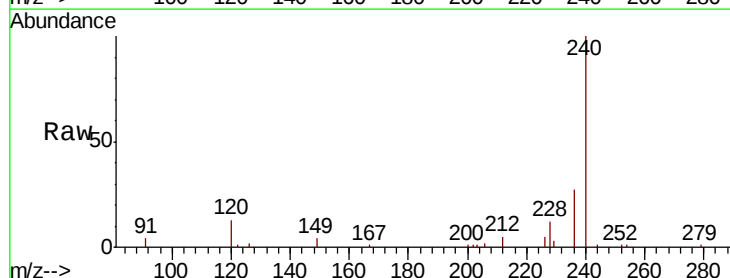
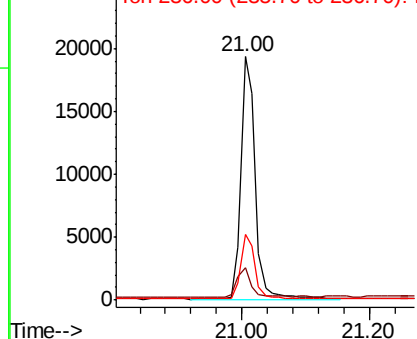
Tgt Ion:	240	Resp:	29664
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.6	14.4
236	26.9	22.2	33.2

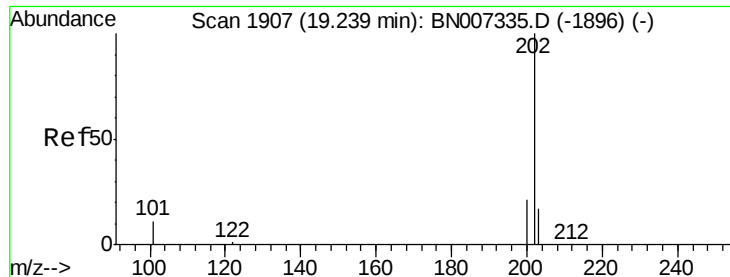
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





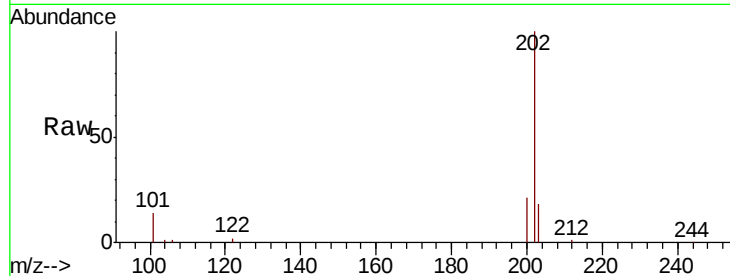
#28
Pvrene
Concen: 0.191 ng
RT: 19.23 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-13.0-18.0-090519

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	20.5	14.2	21.4

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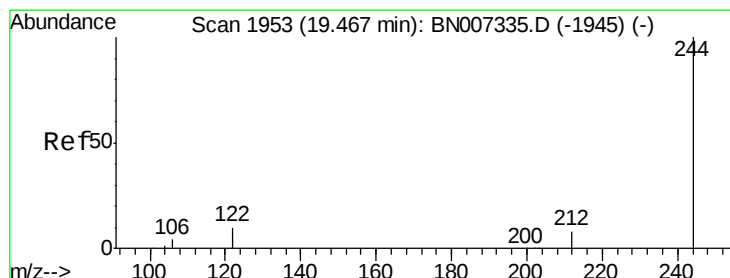
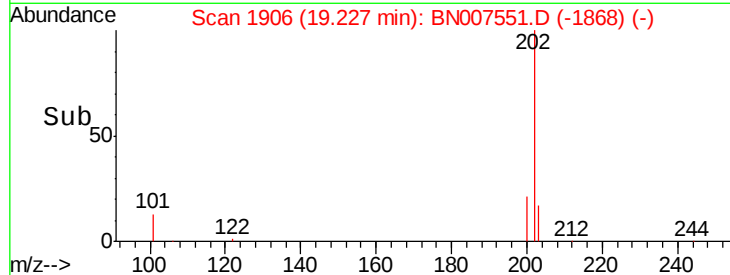
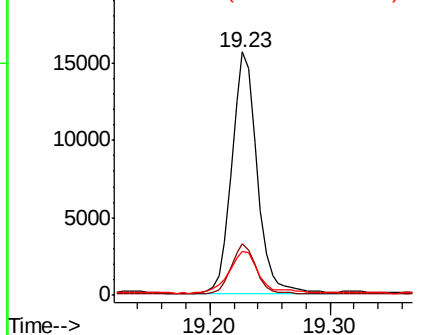


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29
Terphenyl-d14
Concen: 0.120 ng
RT: 19.45 min Scan# 1951
Delta R.T. -0.02 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

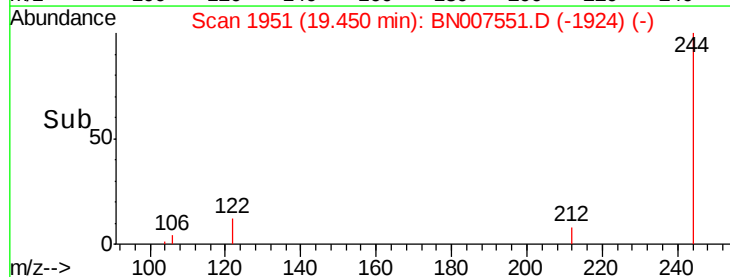
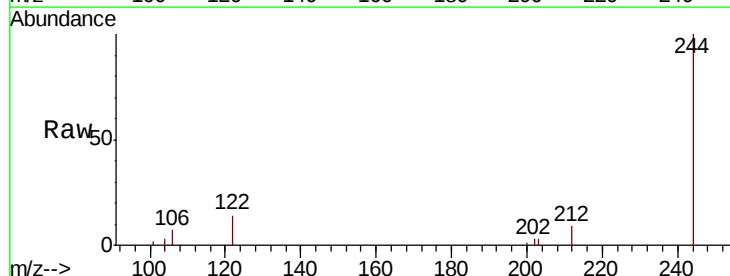
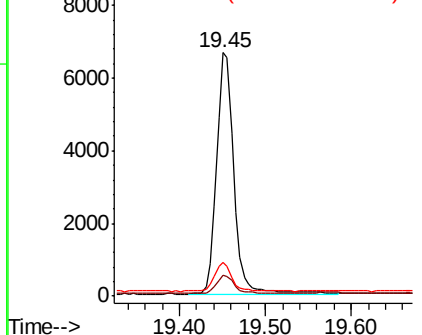
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.8	7.0	10.6
122	13.8	9.6	14.4

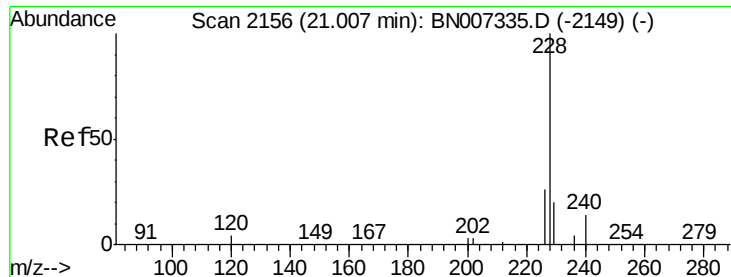
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





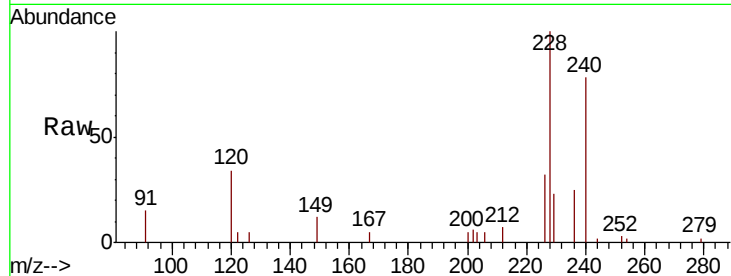
#30
Benzo(a)anthracene
Concen: 0.063 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-13.0-18.0-090519

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.3	31.9
229	22.7	16.1	24.1

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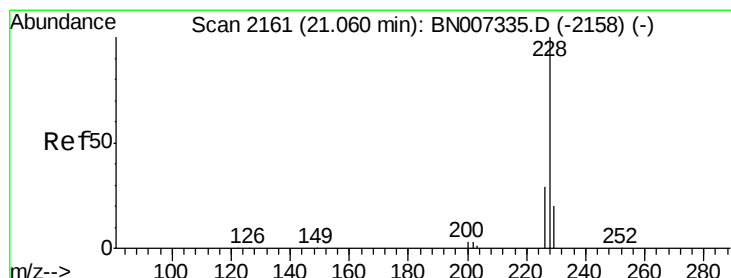
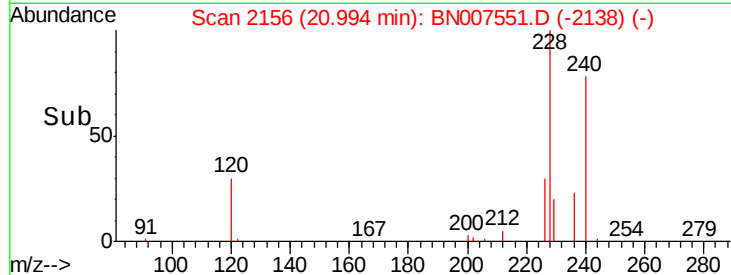
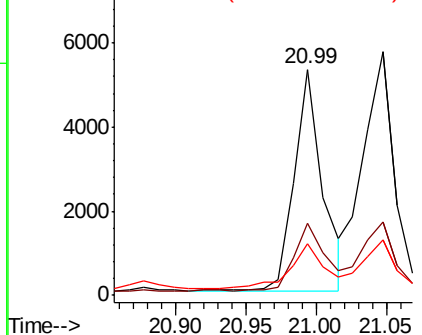


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 0.076 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

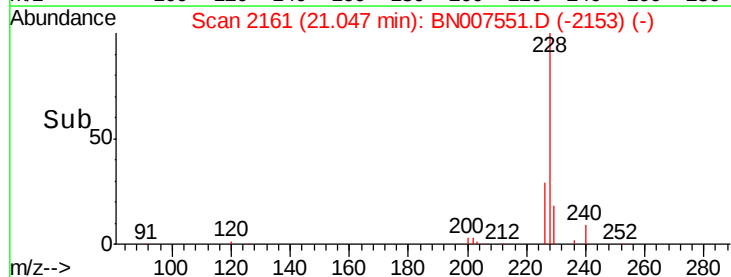
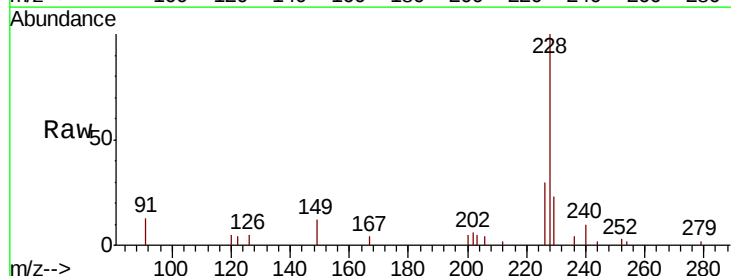
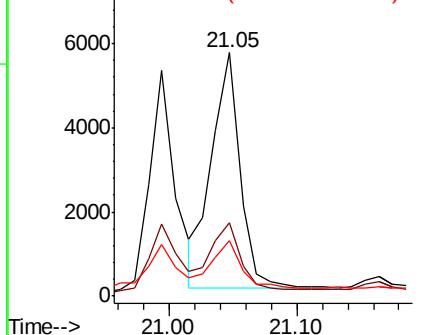
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.5	35.3
229	22.6	16.6	24.8

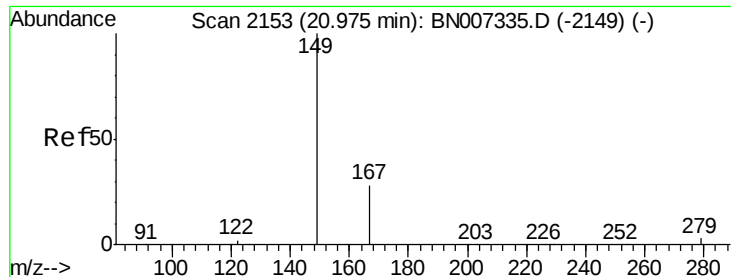
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.083 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

Instrument :

BNA_N

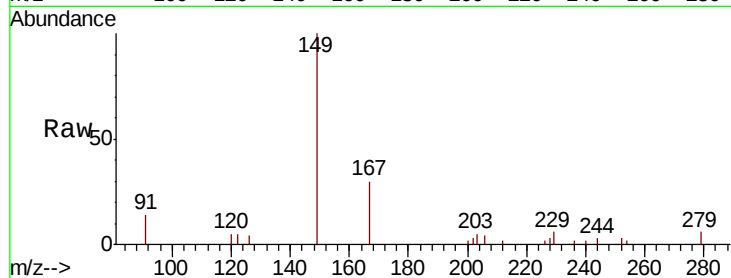
ClientSampleId :

GW-200-B4-13.0-18.0-090519

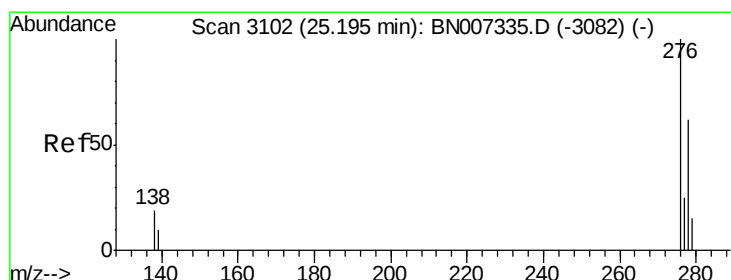
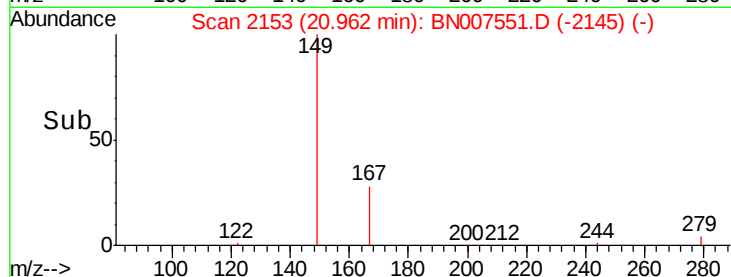
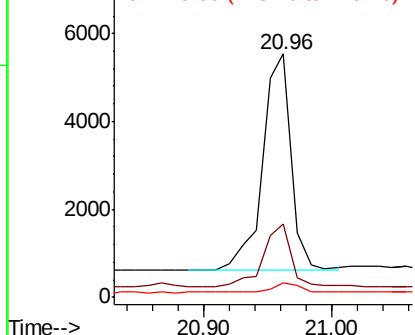
Tot Ion:	149	Resp:	7714
Ion Ratio	Lower	Upper	
149	100		
167	29.6	22.8	34.2
279	4.2	3.5	5.3

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.022 ng

RT: 25.17 min Scan# 3096

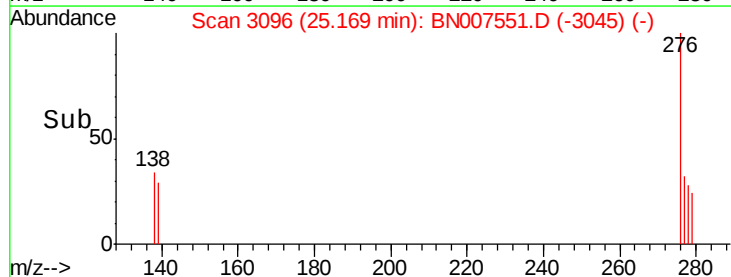
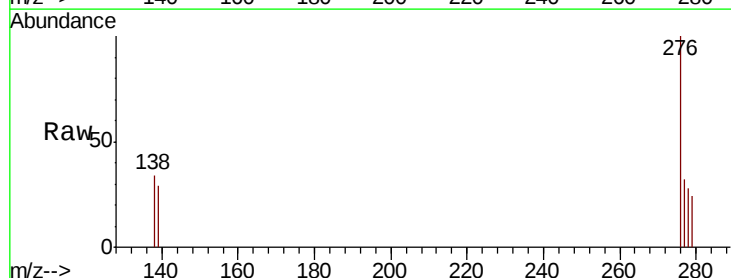
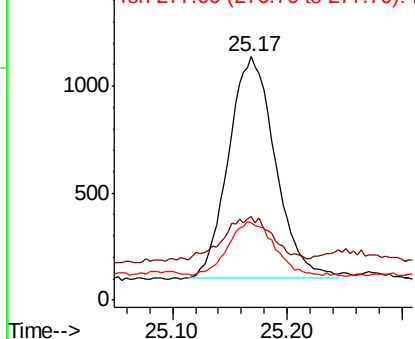
Delta R.T. -0.03 min

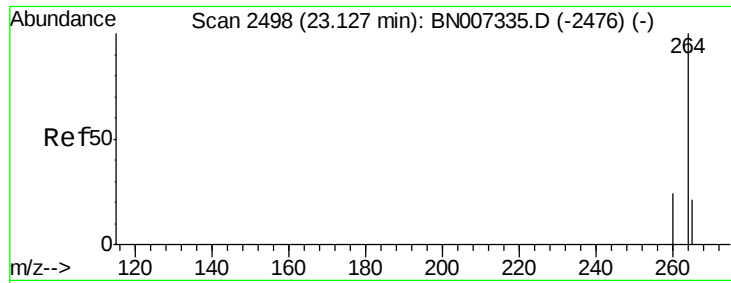
Lab File: BN007551.D

Acq: 06 Sep 2019 20:48

Tgt Ion:	276	Resp:	2943
Ion Ratio	Lower	Upper	
276	100		
138	16.6	15.1	22.7
277	23.1	19.7	29.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





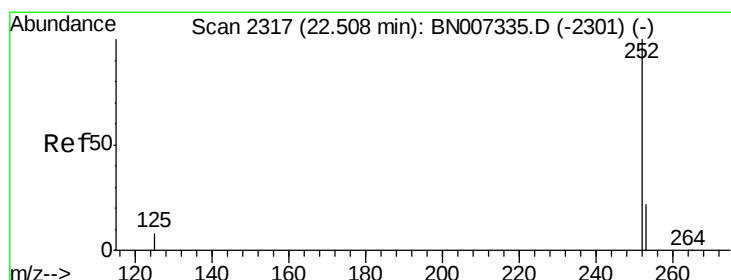
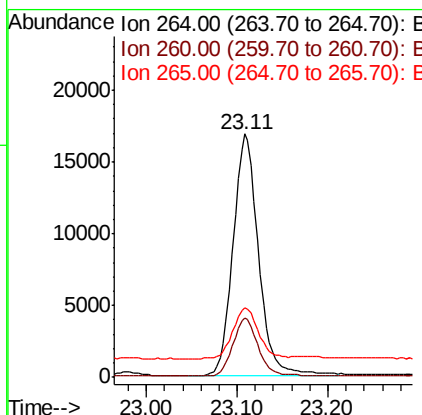
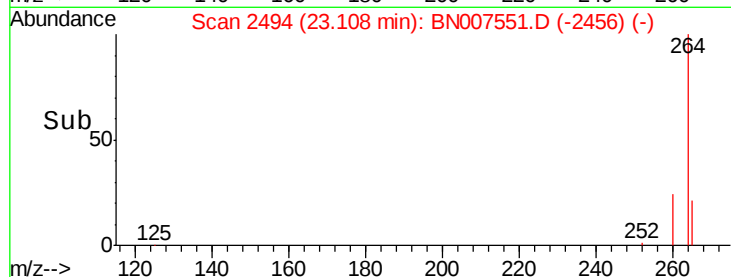
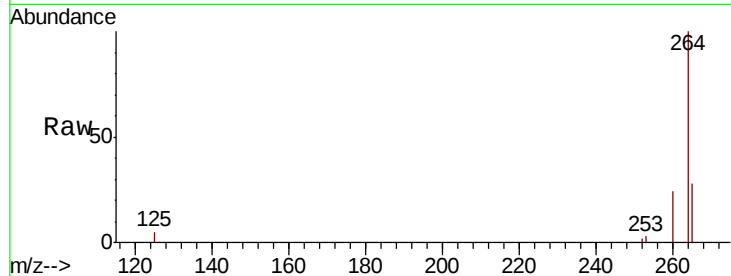
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.11 min Scan# 2494
 Delta R.T. -0.02 min
 Lab File: BN007551.D
 Acq: 06 Sep 2019 20:48

Instrument :
 BNA_N
 ClientSampleId :
 GW-200-B4-13.0-18.0-090519

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.7	29.5
265	28.5	29.9	44.9#

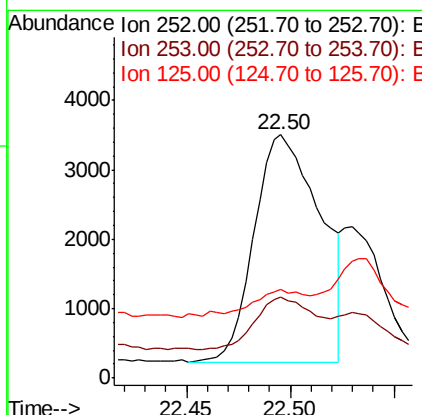
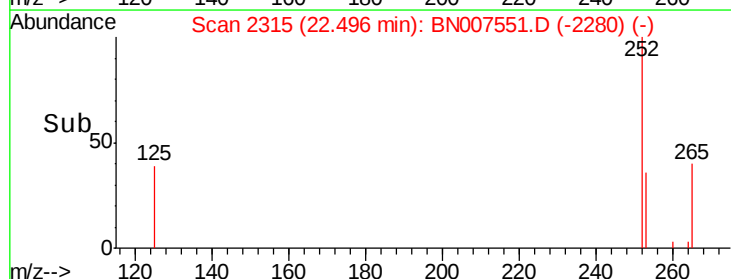
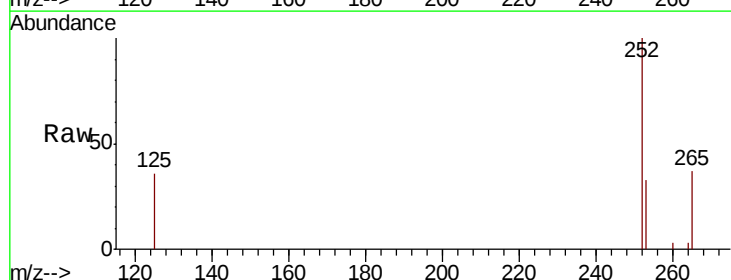
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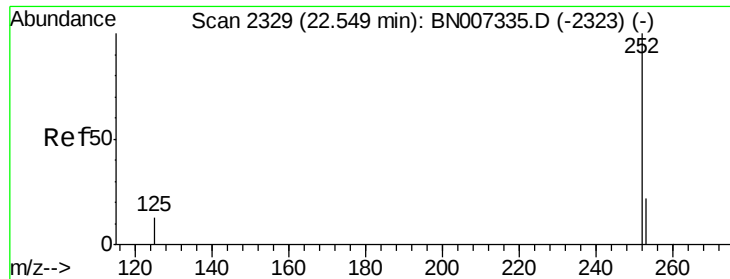
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 0.061 ng
 RT: 22.50 min Scan# 2315
 Delta R.T. -0.01 min
 Lab File: BN007551.D
 Acq: 06 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.2	19.2	28.8#
125	36.4	10.6	16.0#





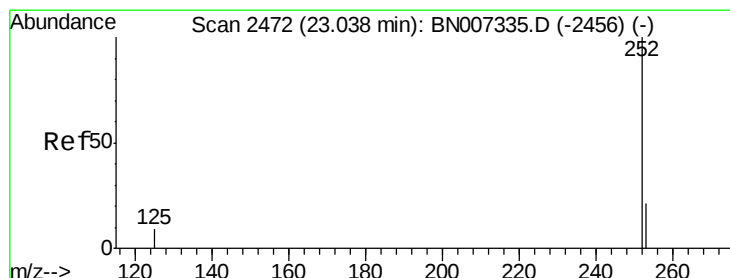
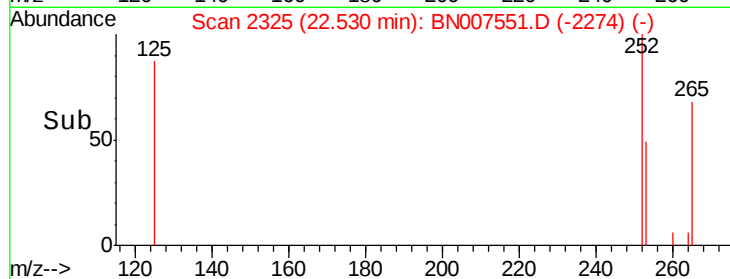
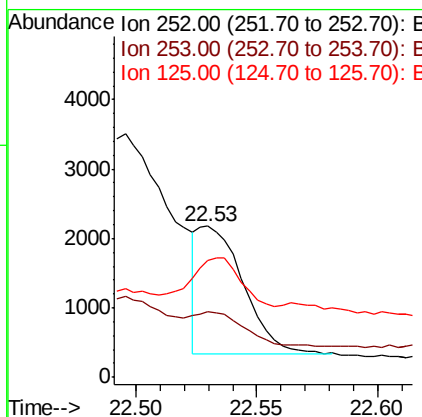
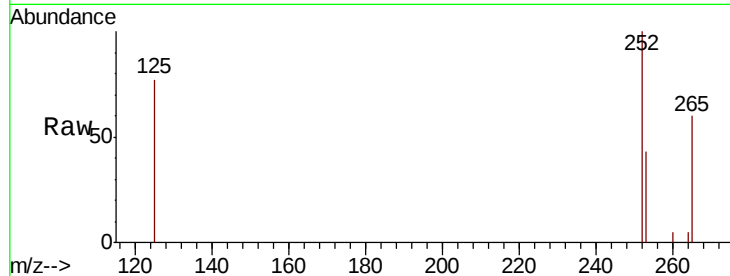
#36
Benzo(k)fluoranthene
Concen: 0.021 ng m
RT: 22.53 min Scan# 2325
Delta R.T. -0.02 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

Instrument :
BNA_N
ClientSampleId :
GW-200-B4-13.0-18.0-090519

Tot Ion	Ratio	Lower	Upper
252	100		
253	43.3	19.4	29.2#
125	76.9	13.1	19.7#

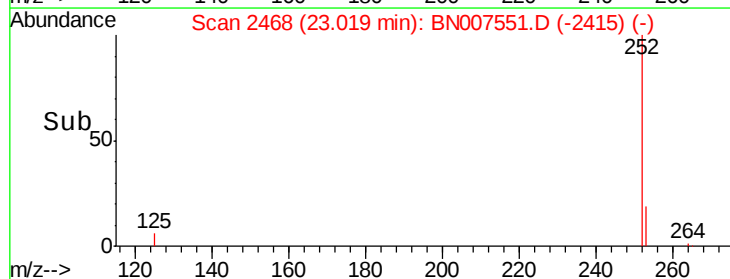
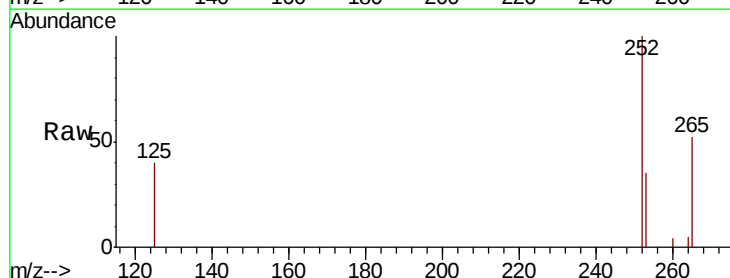
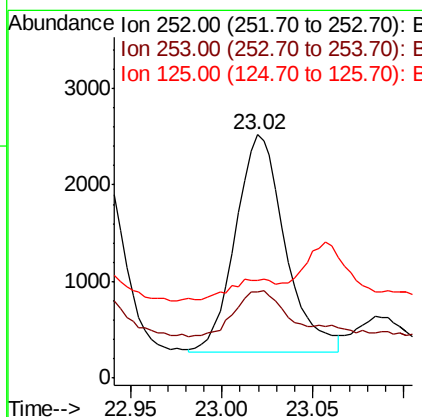
Manual Integrations
APPROVED

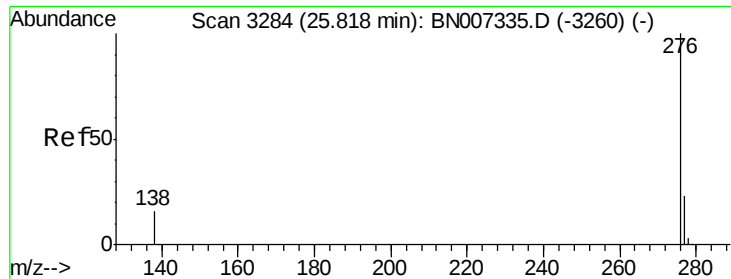
mohammad
9/12/2019 9:25:51 AM



#37
Benzo(a)pyrene
Concen: 0.038 ng
RT: 23.02 min Scan# 2468
Delta R.T. -0.02 min
Lab File: BN007551.D
Acq: 06 Sep 2019 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.5	19.5	29.3#
125	40.2	12.1	18.1#





#39

Benzo(a,h,i)perylene

Concen: 0.028 ng

RT: 25.80 min Scan# 3279

Delta R.T. -0.02 min

Lab File: BN007551.D

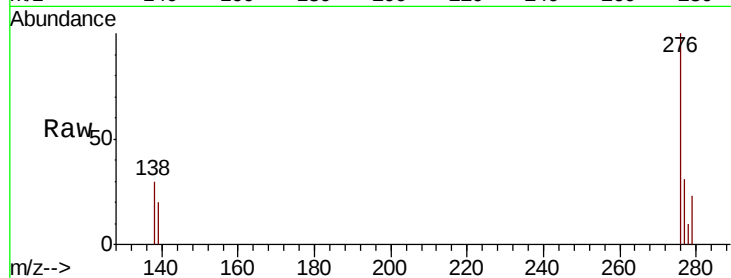
Acq: 06 Sep 2019 20:48

Instrument :

BNA_N

ClientSampleId :

GW-200-B4-13.0-18.0-090519



Tot Ion:	276	Resp:	3199
Ion Ratio	Lower	Upper	
276	100		
277	31.4	19.6	29.4#
138	30.2	16.3	24.5#

Manual Integrations
APPROVED

mohammad
9/12/2019 9:25:51 AM

