

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091019\
 Data File : BN007584.D
 Acq On : 10 Sep 2019 20:47
 Operator : HP/JU
 Sample : K4781-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW800-20.0-25.0-090719

Manual Integrations
 APPROVED

mohammad
 9/16/2019 8:57:34 AM

Quant Time: Sep 10 21:21:28 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Sep 10 16:53:18 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	6003	0.40	ng	-0.02
7) Naphthalene-d8	10.49	136	25443	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	15373	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	37063	0.40	ng	0.00
27) Chrysene-d12	21.28	240	38790	0.40	ng	0.00
34) Perylene-d12	23.51	264	43065	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.33	112	1996	0.11	ng	0.00
5) Phenol-d6	6.89	99	1879	0.07	ng	0.00
8) Nitrobenzene-d5	8.86	82	4846	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	10982	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	1292	0.22	ng	0.00
15) 2-Fluorobiphenyl	12.97	172	17474	0.27	ng	0.00
25) Fluoranthene-d10	19.12	212	29145	0.24	ng	0.00
29) Terphenyl-d14	19.73	244	28946	0.29	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.53	128	12232	0.171	ng	98
12) 2-Methylnaphthalene	12.16	142	18365	0.366	ng	100
16) Acenaphthylene	14.06	152	3118	0.038	ng	# 85
17) Acenaphthene	14.41	154	28866	0.553	ng	98
18) Fluorene	15.39	166	35204	0.513	ng	99
23) Phenanthrene	17.13	178	116068	1.015	ng	100
24) Anthracene	17.22	178	14756	0.140	ng	# 83
26) Fluoranthene	19.15	202	31145	0.224	ng	99
28) Pyrene	19.52	202	27656	0.198	ng	# 96
30) Benzo(a)anthracene	21.27	228	8107	0.058	ng	# 85
31) Chrysene	21.31	228	8418	0.060	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.23	149	6585	0.139	ng	98
33) Indeno(1,2,3-cd)pyrene	25.74	276	4835	0.032	ng	# 100
35) Benzo(b)fluoranthene	22.85	252	9861	0.064	ng	# 81
36) Benzo(k)fluoranthene	22.89	252	4056m	0.027	ng	
37) Benzo(a)pyrene	23.41	252	6413	0.047	ng	# 77
39) Benzo(a,h,i)perylene	26.41	276	6412	0.046	ng	# 87

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

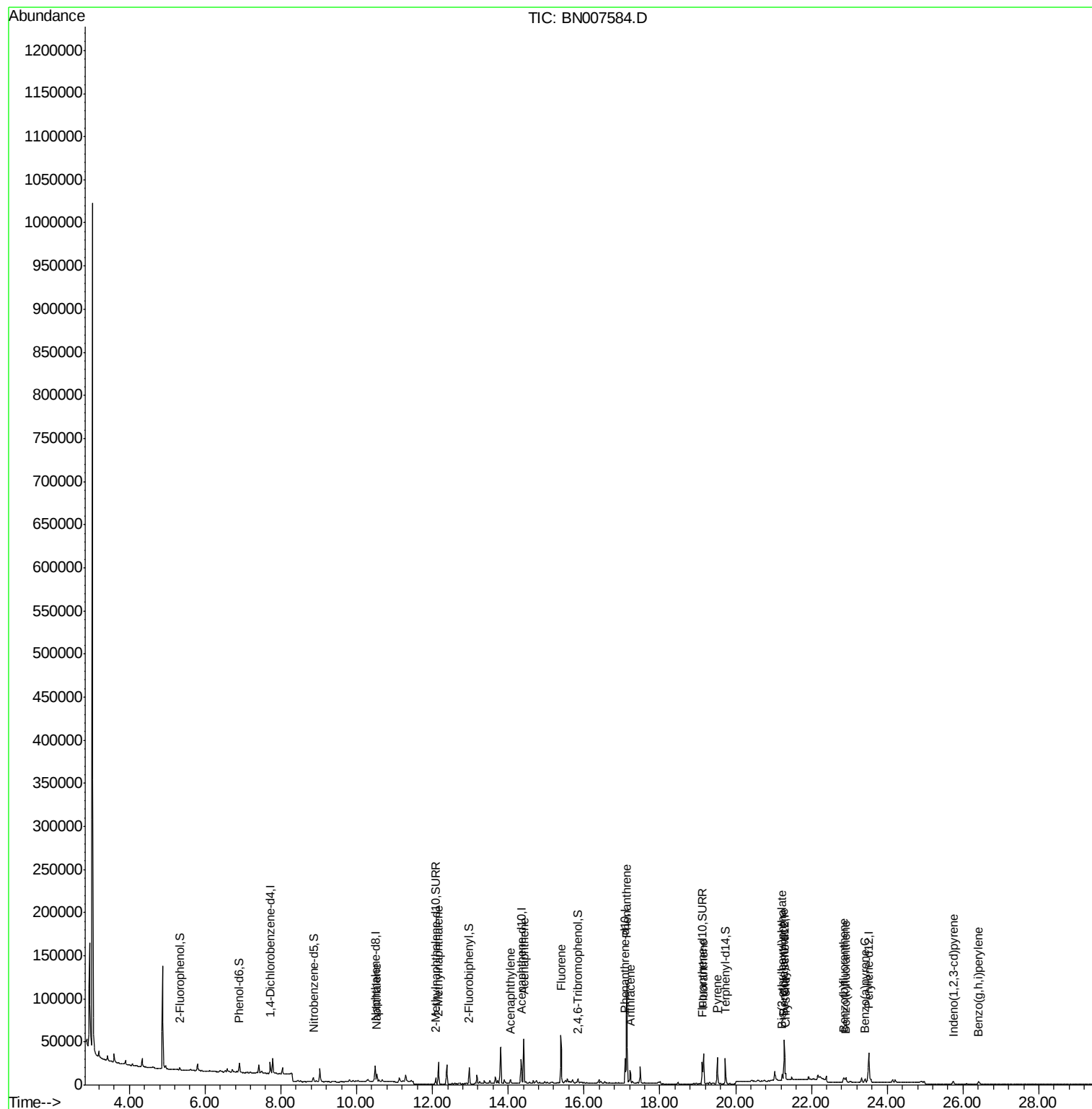
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091019\
Data File : BN007584.D
Acq On : 10 Sep 2019 20:47
Operator : HP/JU
Sample : K4781-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

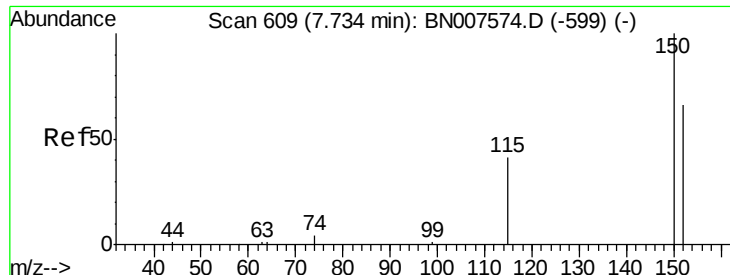
Instrument :
BNA_N
ClientSampleId :
GW800-20.0-25.0-090719

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091019.M
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#1

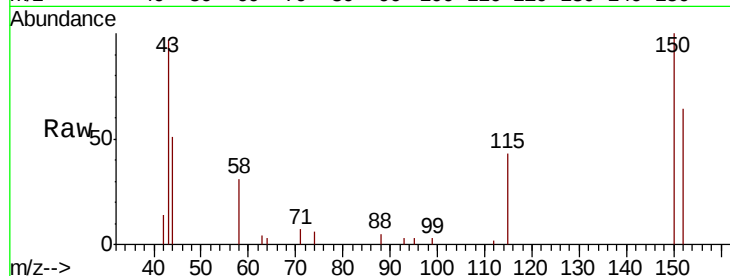
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 607
Delta R.T. -0.02 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Instrument :
BNA_N
ClientSampleId :
GW800-20.0-25.0-090719

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	119.5	179.3
115	67.3	53.0	79.6

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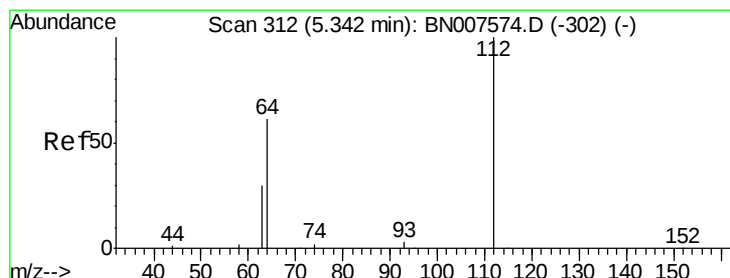
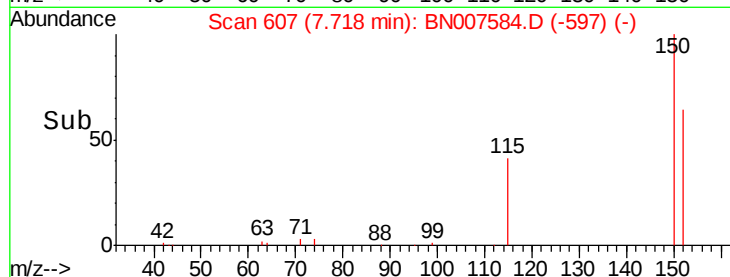
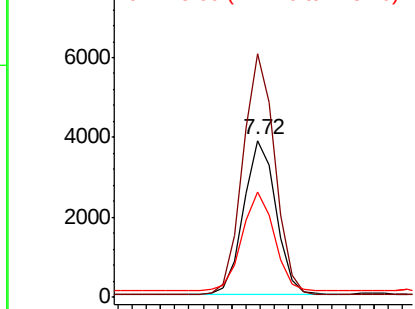


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

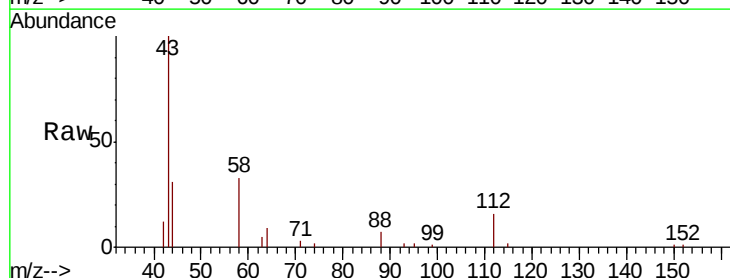
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.109 ng
RT: 5.33 min Scan# 311
Delta R.T. -0.01 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	49.2	73.8
63	27.9	26.0	39.0

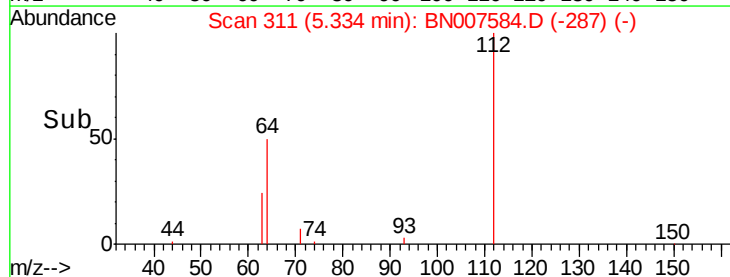
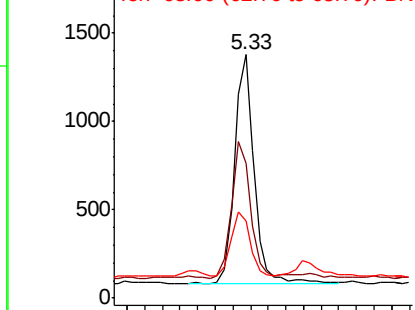


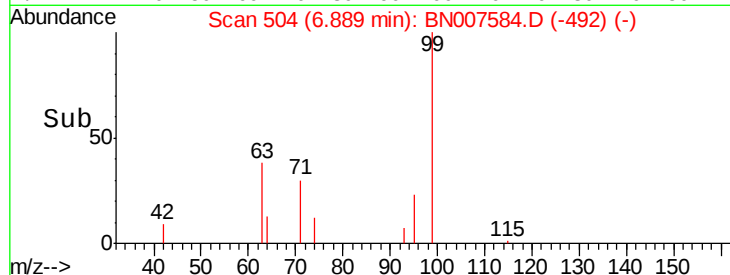
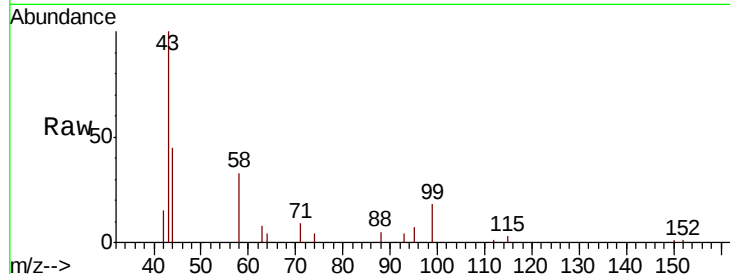
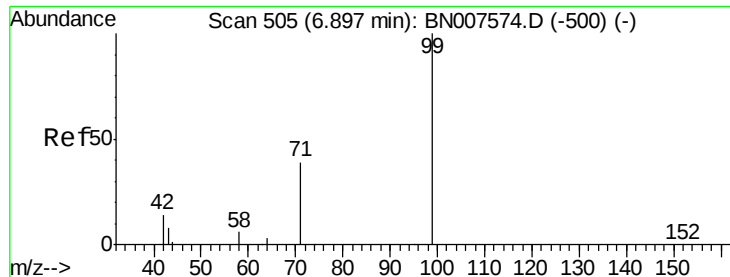
Abundance

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: 0.074 ng

RT: 6.89 min Scan# 504

Delta R.T. -0.01 min

Lab File: BN007584.D

Acq: 10 Sep 2019 20:47

Instrument :

BNA_N

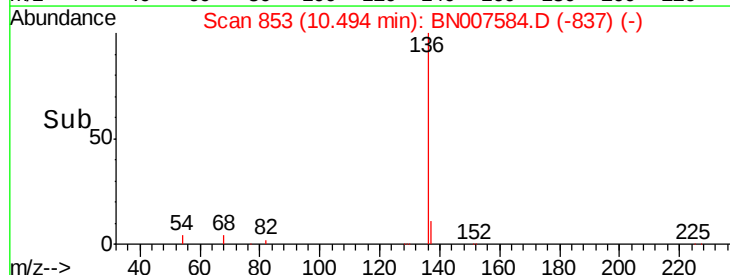
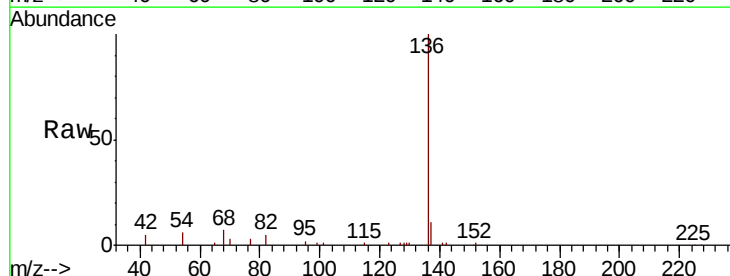
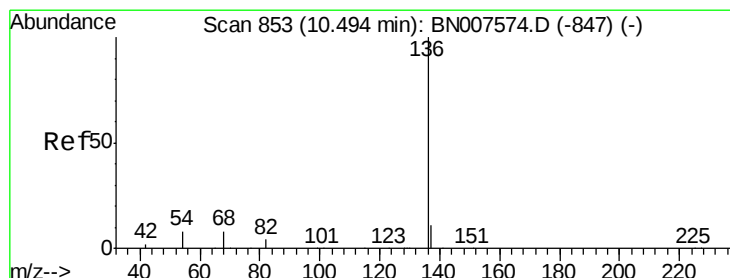
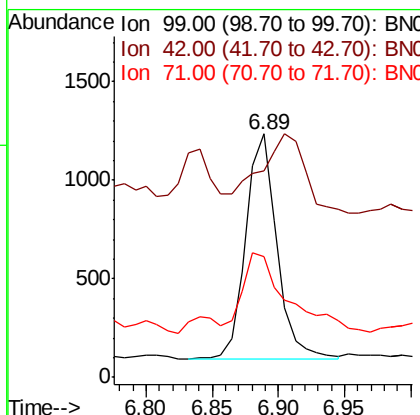
ClientSampleId :

GW800-20.0-25.0-090719

Tot Ion:	99	Resp:	1879
Ion Ratio	Lower	Upper	
99	100		
42	0.0	11.8	17.8#
71	52.5	28.8	43.2#

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#7

Naphthalene-d8

Concen: 0.400 ng

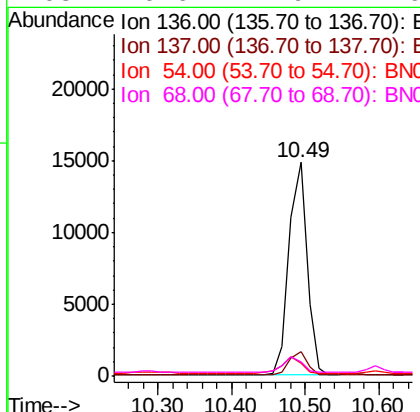
RT: 10.49 min Scan# 853

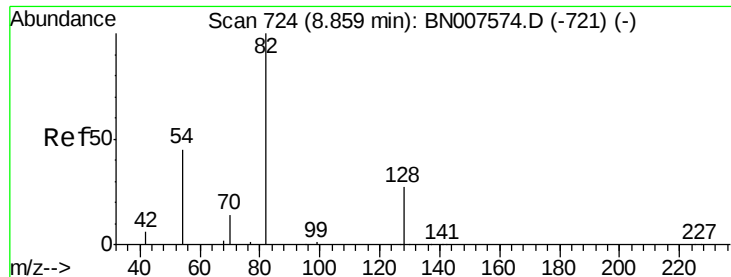
Delta R.T. 0.00 min

Lab File: BN007584.D

Acq: 10 Sep 2019 20:47

Tgt Ion:	136	Resp:	25443
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	5.8	7.5	11.3#
68	6.6	7.9	11.9#





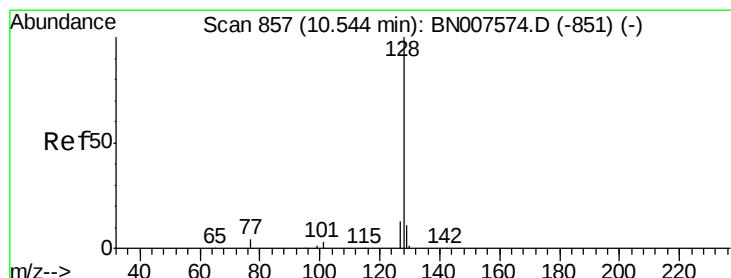
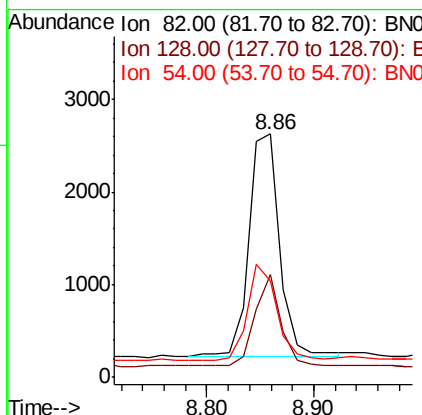
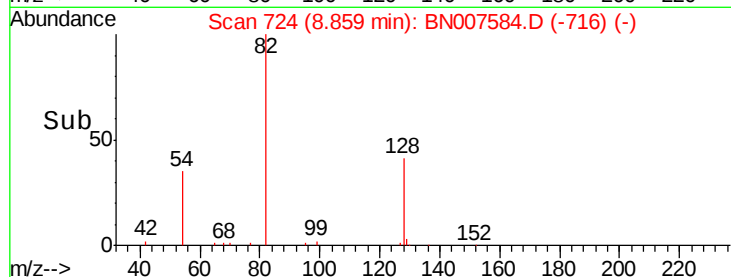
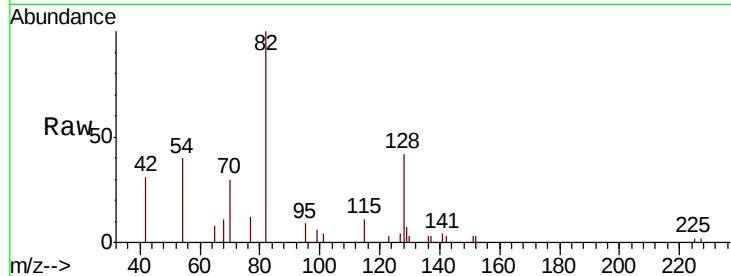
#8
Nitrobenzene-d5
Concen: 0.313 ng
RT: 8.86 min Scan# 724
Delta R.T. 0.00 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Instrument :
BNA_N
ClientSampleId :
GW800-20.0-25.0-090719

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.0	23.4	35.2#
54	39.8	38.2	57.2

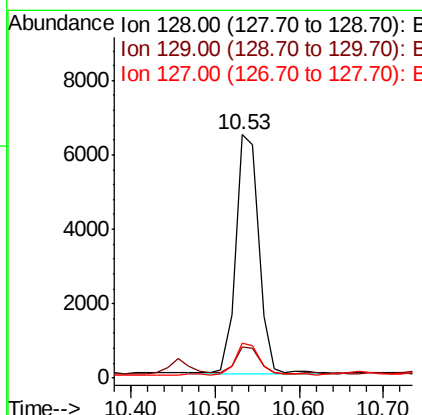
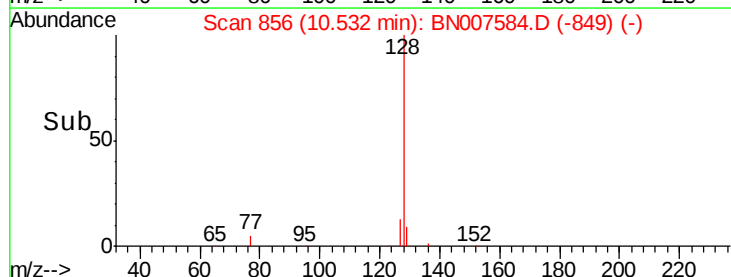
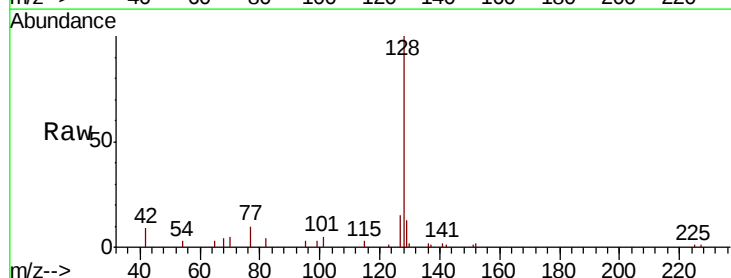
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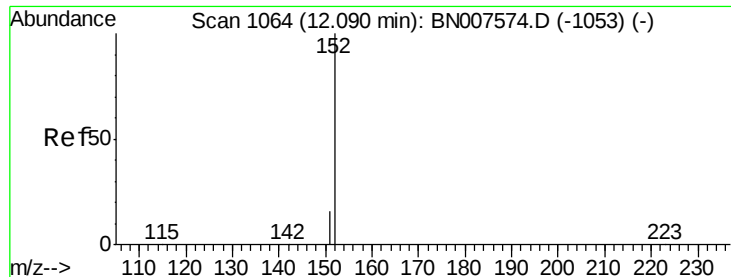
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#9
Naphthalene
Concen: 0.171 ng
RT: 10.53 min Scan# 856
Delta R.T. -0.01 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.8	9.3	13.9
127	14.5	11.0	16.4





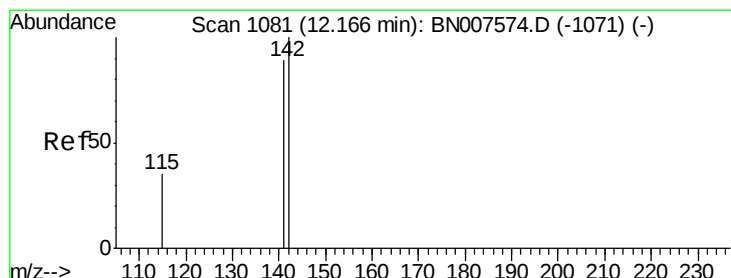
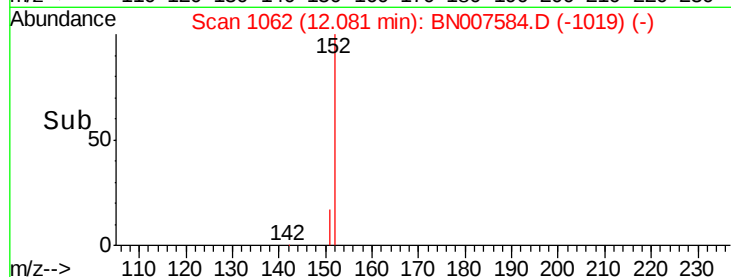
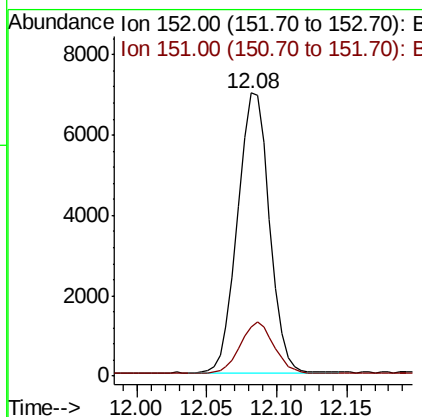
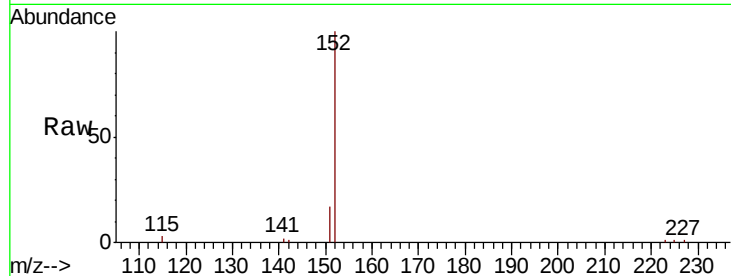
#11
 2-Methylnaphthalene-d10
 Concen: 0.250 ng
 RT: 12.08 min Scan# 1062
 Delta R.T. -0.01 min
 Lab File: BN007584.D
 Acq: 10 Sep 2019 20:47

Instrument :
 BNA_N
 ClientSampleId :
 GW800-20.0-25.0-090719

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.3	22.9

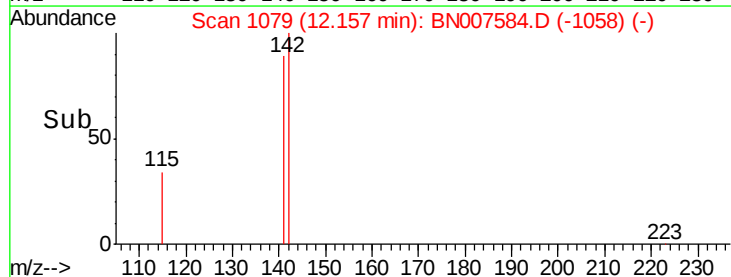
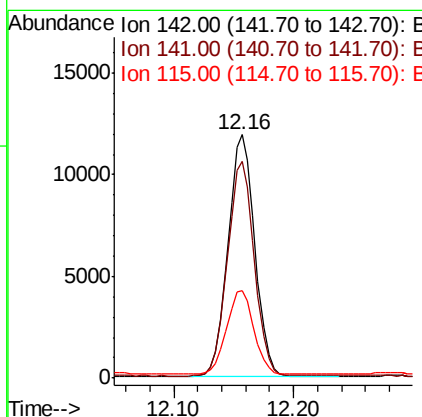
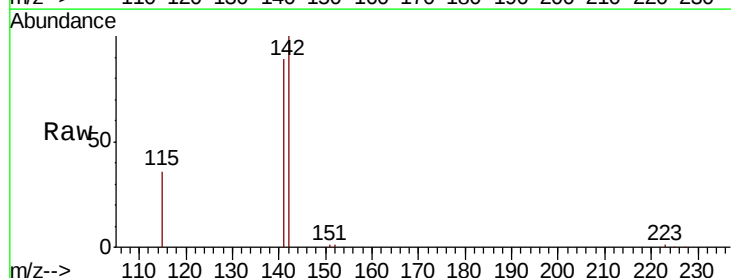
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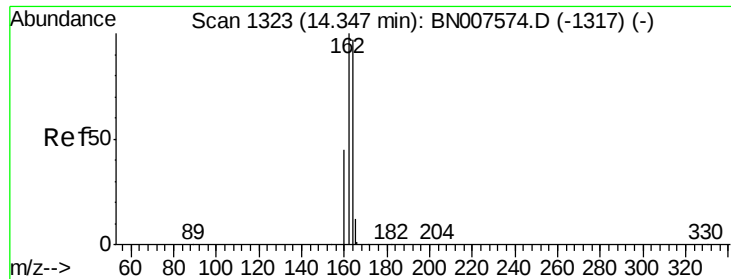
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#12
 2-Methylnaphthalene
 Concen: 0.366 ng
 RT: 12.16 min Scan# 1079
 Delta R.T. -0.01 min
 Lab File: BN007584.D
 Acq: 10 Sep 2019 20:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.0	106.6
115	36.1	29.1	43.7





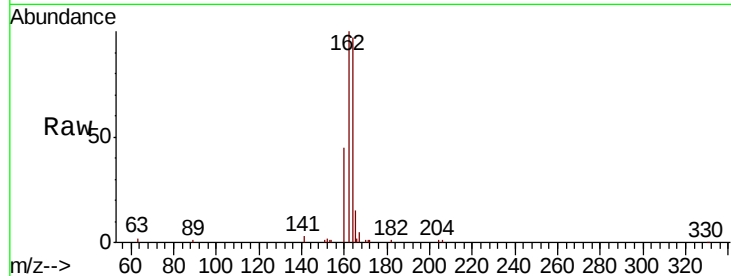
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.34 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Instrument :
BNA_N
ClientSampleId :
GW800-20.0-25.0-090719

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.2	123.2
160	45.7	37.4	56.0

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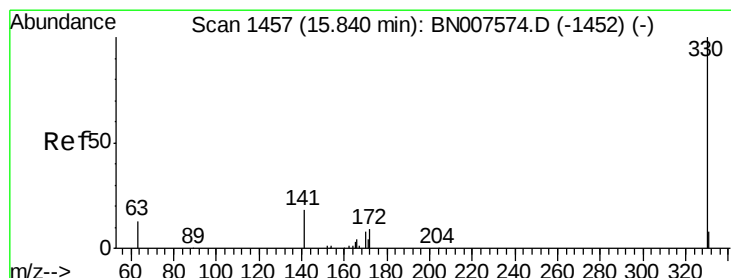
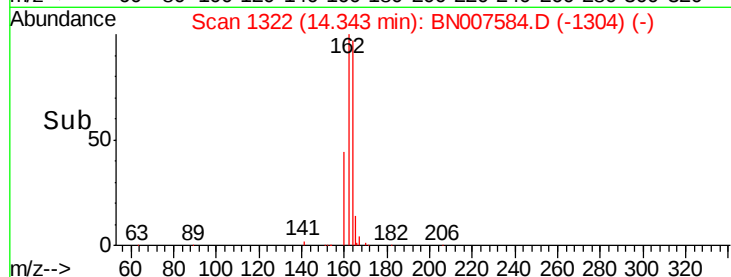
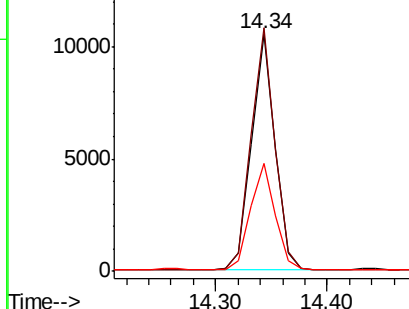


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.221 ng
RT: 15.84 min Scan# 1456
Delta R.T. -0.00 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

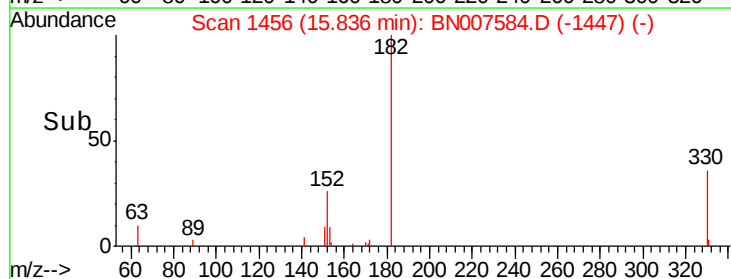
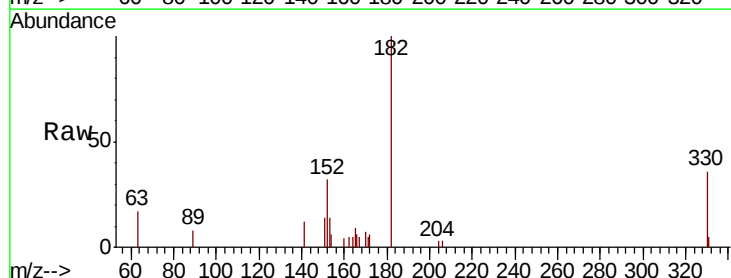
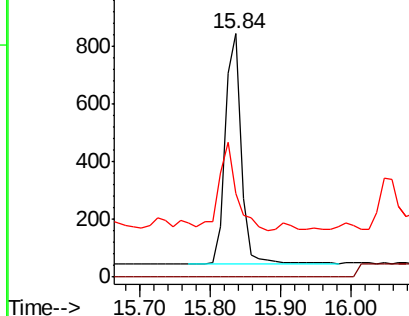
Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.4	30.6	45.8

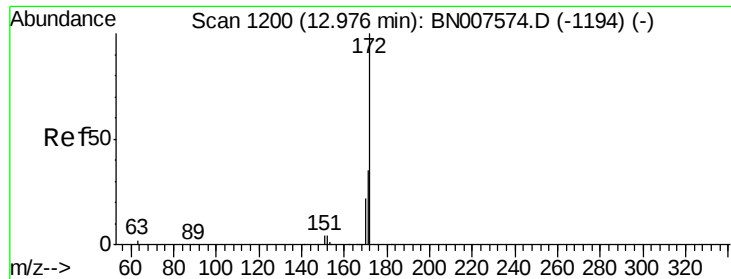
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





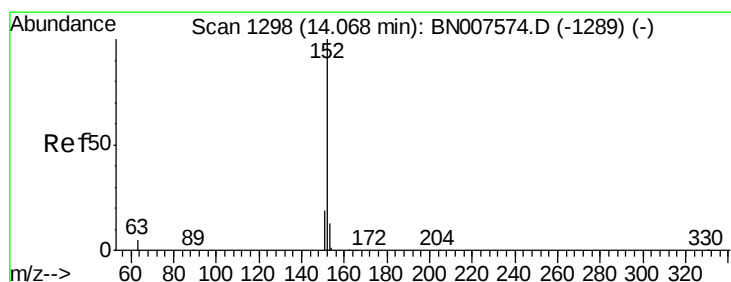
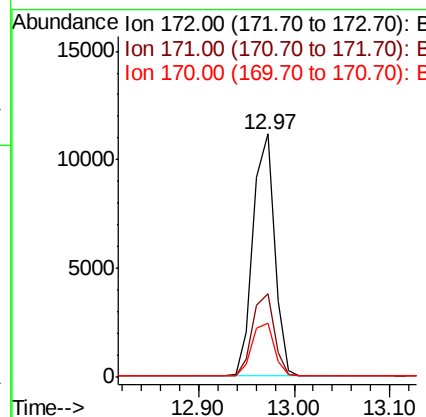
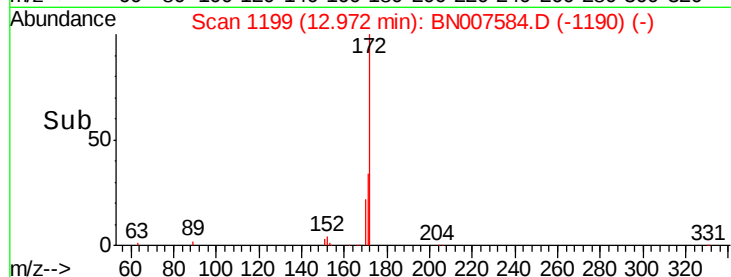
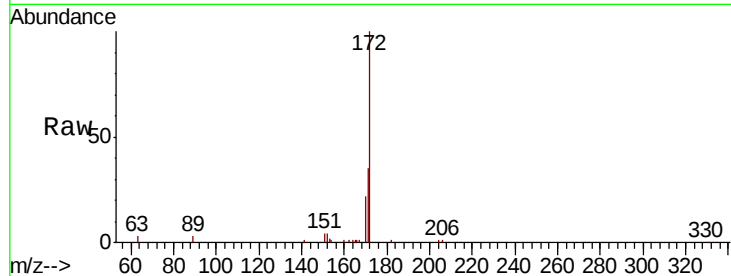
#15
2-Fluorobiphenyl
Concen: 0.275 ng
RT: 12.97 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Instrument :
BNA_N
ClientSampleId :
GW800-20.0-25.0-090719

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.2
170	22.3	18.3	27.5

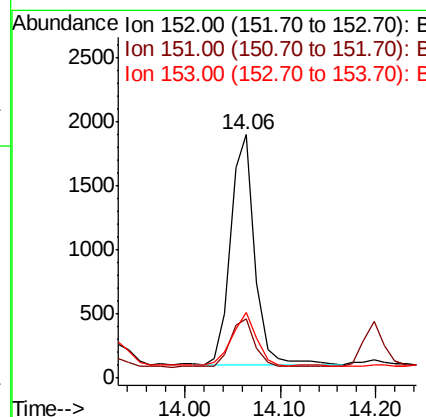
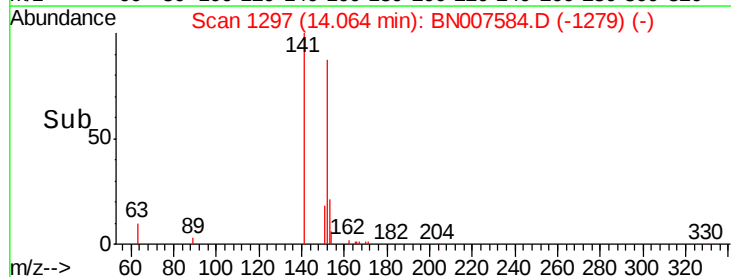
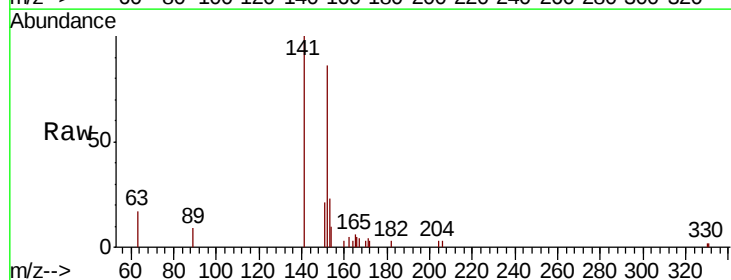
Manual Integrations
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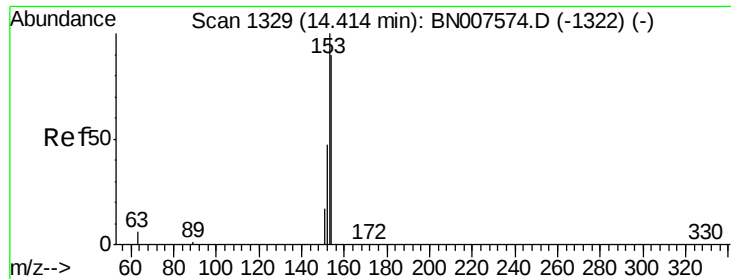
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#16
Acenaphthylene
Concen: 0.038 ng
RT: 14.06 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.3	15.8	23.6
153	24.1	10.4	15.6#





#17

Acenaphthene

Concen: 0.553 ng

RT: 14.41 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BN007584.D

Acq: 10 Sep 2019 20:47

Instrument :

BNA_N

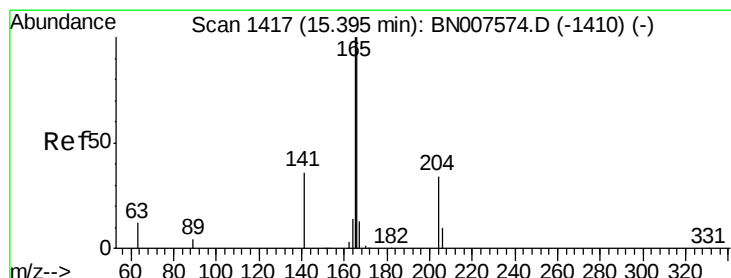
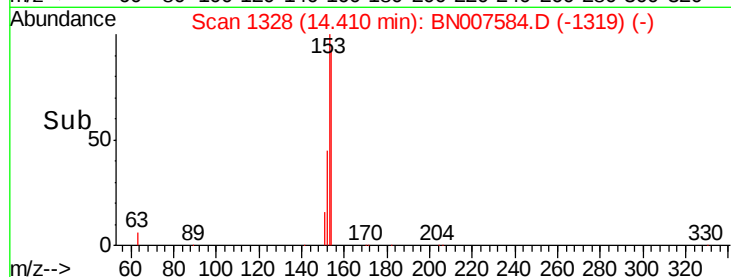
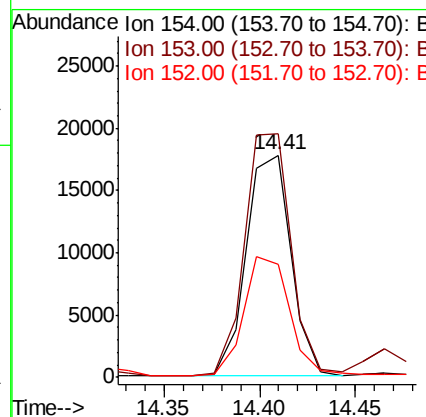
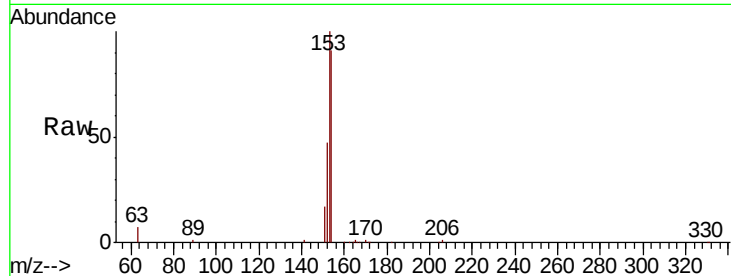
ClientSampleId :

GW800-20.0-25.0-090719

Tot Ion:	154	Resp:	28866
Ion Ratio	Lower	Upper	
154	100		
153	113.9	89.4	134.2
152	56.1	43.4	65.0

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#18

Fluorene

Concen: 0.513 ng

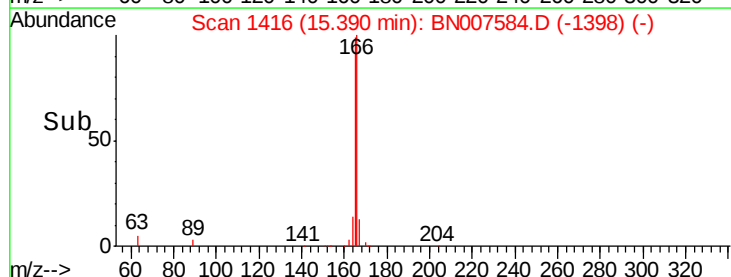
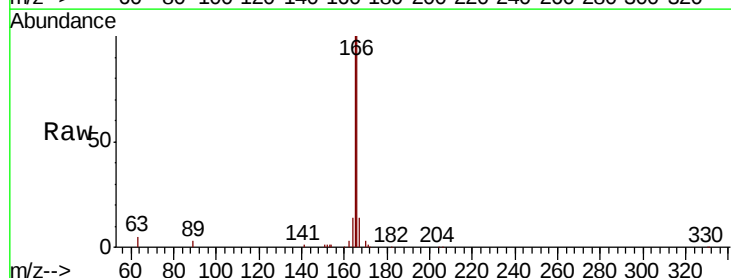
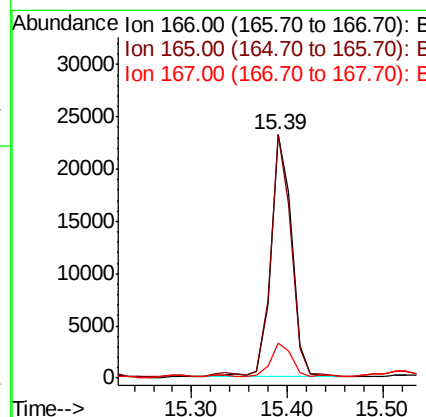
RT: 15.39 min Scan# 1416

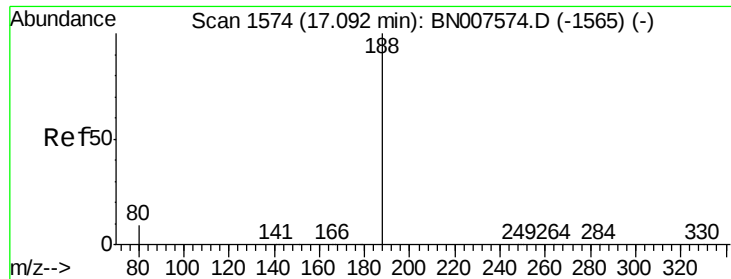
Delta R.T. -0.00 min

Lab File: BN007584.D

Acq: 10 Sep 2019 20:47

Tgt Ion:	166	Resp:	35204
Ion Ratio	Lower	Upper	
166	100		
165	95.8	77.8	116.6
167	14.4	11.0	16.4





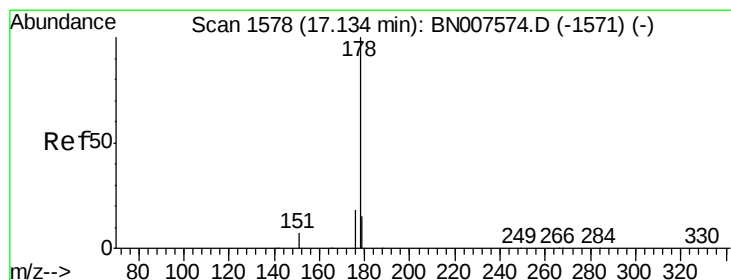
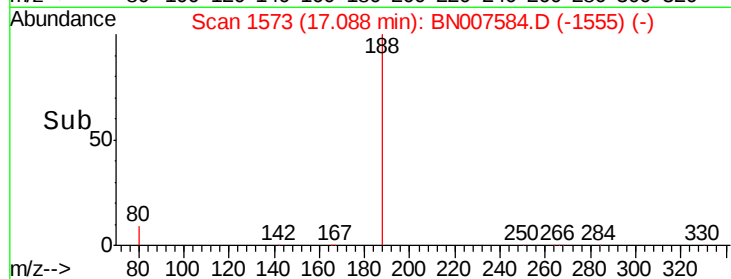
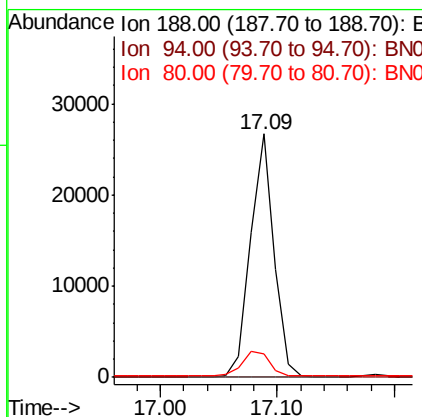
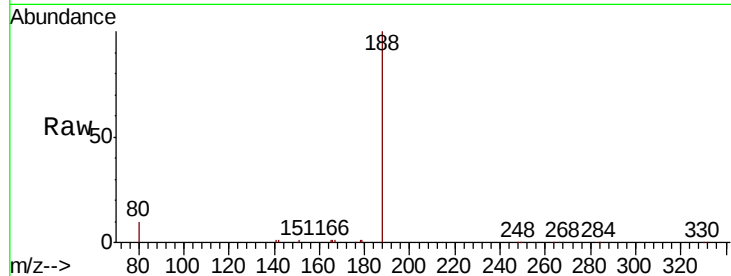
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Instrument :
BNA_N
ClientSampleId :
GW800-20.0-25.0-090719

Tot Ion	Ratio	Resp	Lower	Upper
188	100	37063		
94	0.0	0.0	0.0	0.0
80	9.7	8.1	12.1	

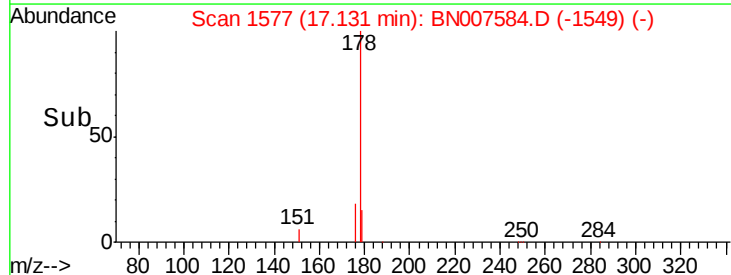
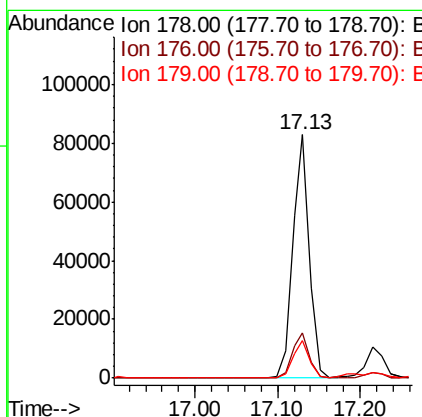
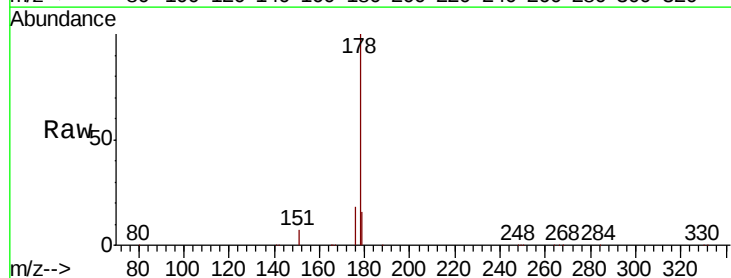
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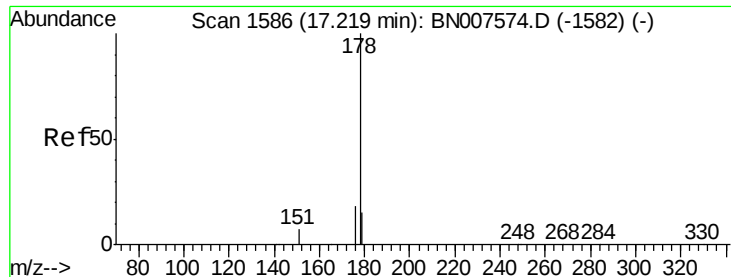
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#23
Phenanthrene
Concen: 1.015 ng
RT: 17.13 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	116068		
176	18.6	15.0	22.4	
179	15.5	12.2	18.2	





#24

Anthracene

Concen: 0.140 ng

RT: 17.22 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BN007584.D

Acq: 10 Sep 2019 20:47

Instrument :

BNA_N

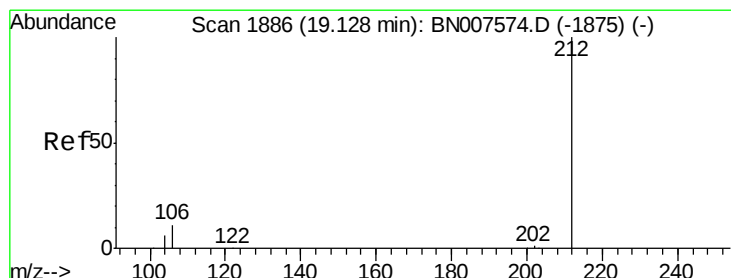
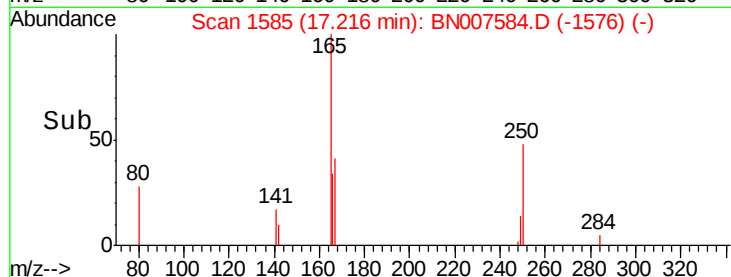
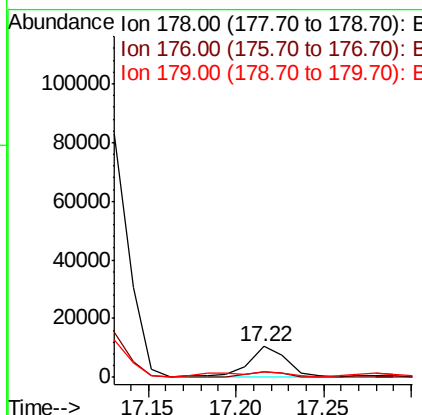
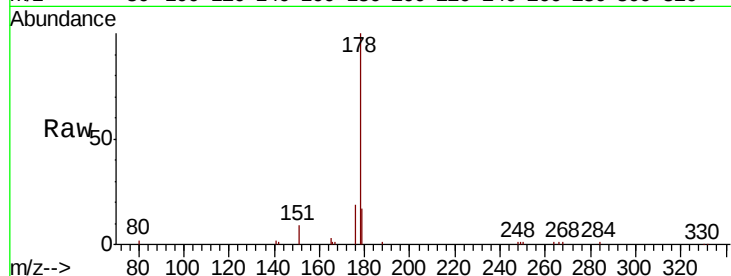
ClientSampleId :

GW800-20.0-25.0-090719

Tot Ion:	178	Resp:	14756
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.4	21.6
179	0.0	12.5	18.7#

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#25

Fluoranthene-d10

Concen: 0.242 ng

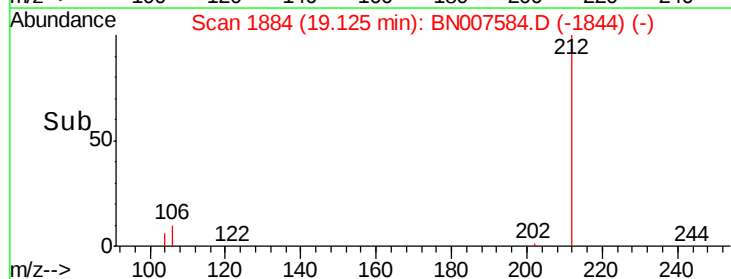
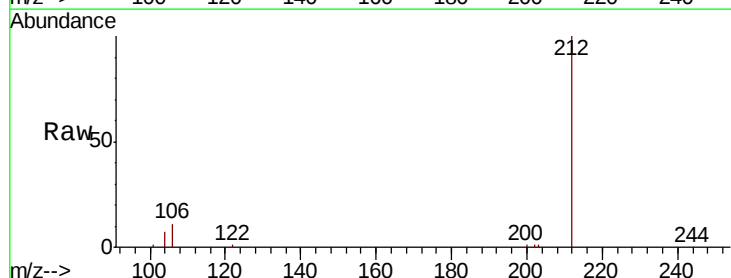
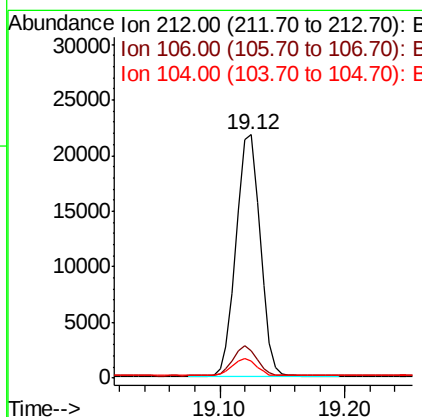
RT: 19.12 min Scan# 1884

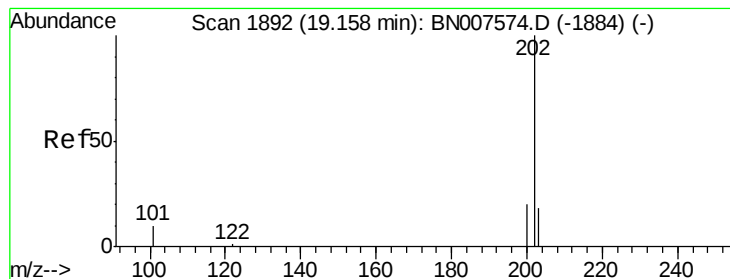
Delta R.T. -0.00 min

Lab File: BN007584.D

Acq: 10 Sep 2019 20:47

Tgt Ion:	212	Resp:	29145
Ion Ratio	Lower	Upper	
212	100		
106	12.6	9.7	14.5
104	7.0	5.5	8.3





#26

Fluoranthene

Concen: 0.224 ng

RT: 19.15 min Scan# 1890

Delta R.T. -0.00 min

Lab File: BN007584.D

Acq: 10 Sep 2019 20:47

Instrument :

BNA_N

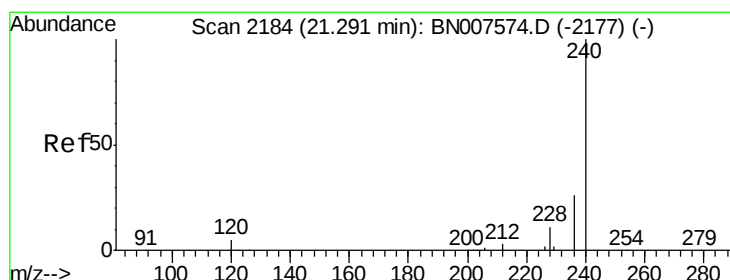
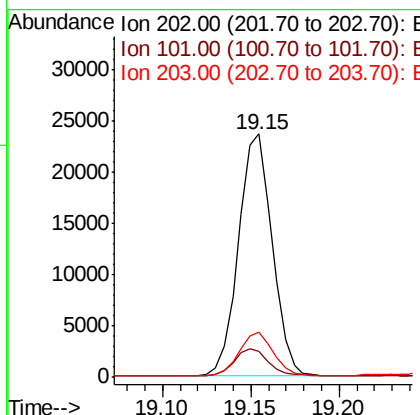
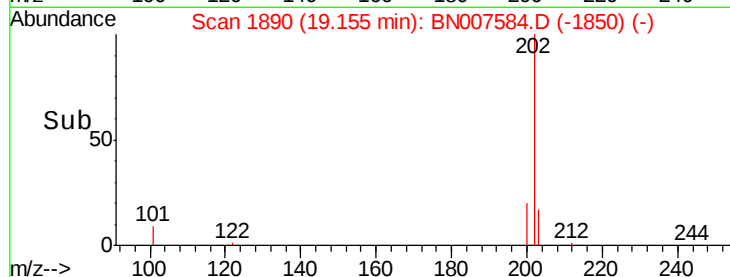
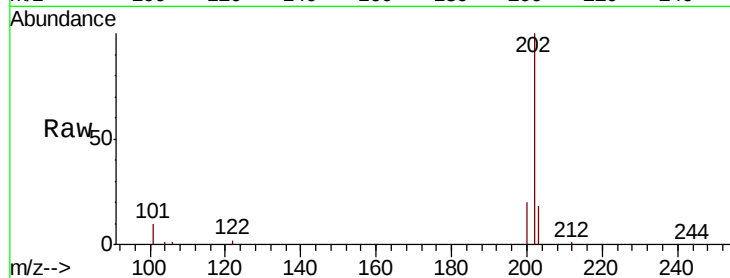
ClientSampleId :

GW800-20.0-25.0-090719

Tot Ion:	202	Resp:	31145
Ion Ratio	Lower	Upper	
202	100		
101	11.8	8.8	13.2
203	17.5	13.8	20.8

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#27

Chrysene-d12

Concen: 0.400 ng

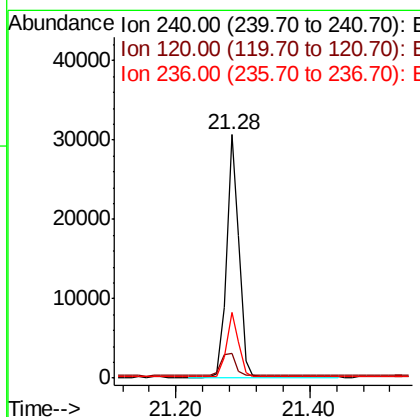
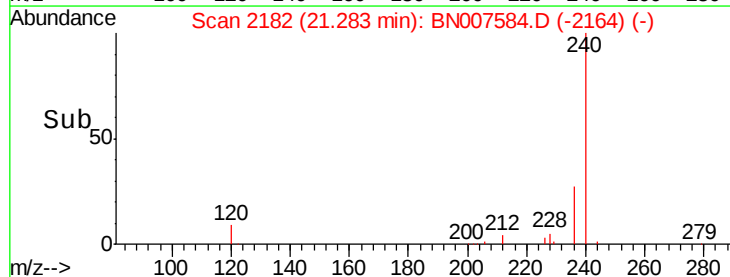
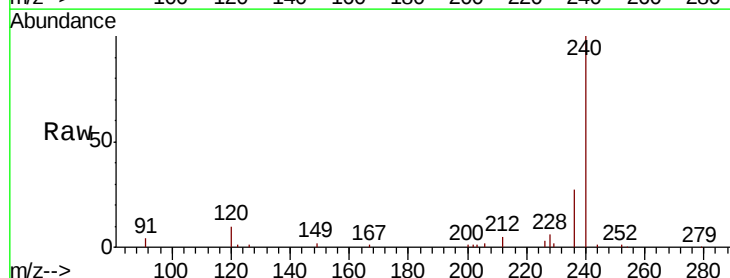
RT: 21.28 min Scan# 2182

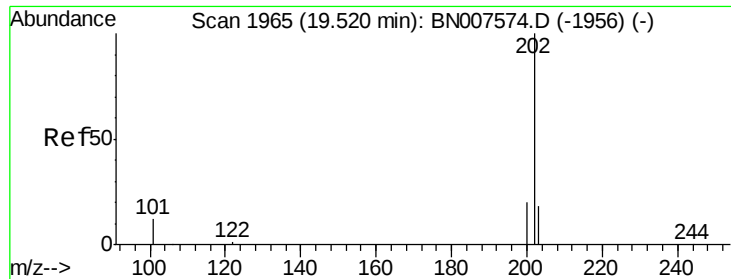
Delta R.T. -0.01 min

Lab File: BN007584.D

Acq: 10 Sep 2019 20:47

Tgt Ion:	240	Resp:	38790
Ion Ratio	Lower	Upper	
240	100		
120	9.9	5.0	7.4#
236	27.0	20.6	31.0





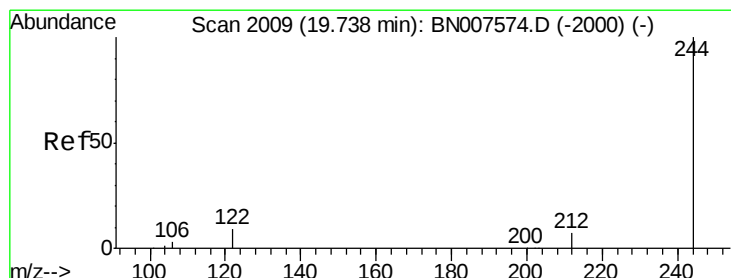
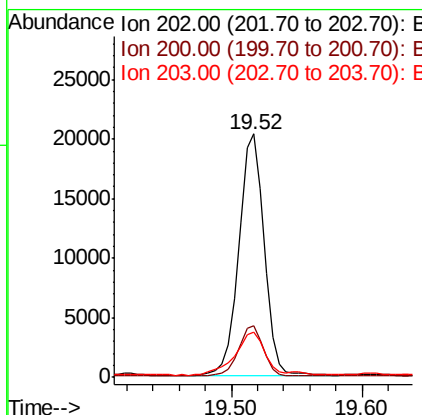
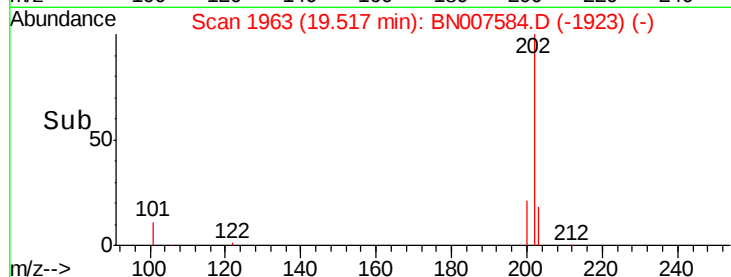
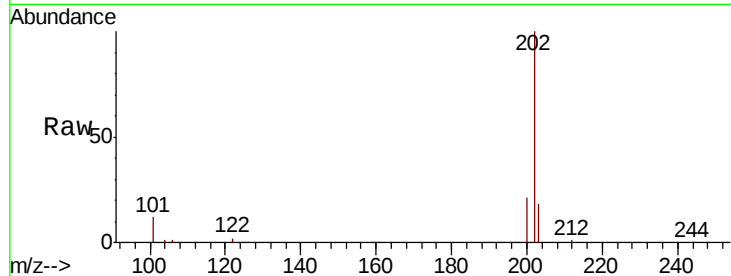
#28
Pvrene
Concen: 0.198 ng
RT: 19.52 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Instrument :
BNA_N
ClientSampleId :
GW800-20.0-25.0-090719

Tot Ion	Ratio	Resp	Lower	Upper
202	100	27656		
200	20.6		16.3	24.5
203	21.5		14.1	21.1#

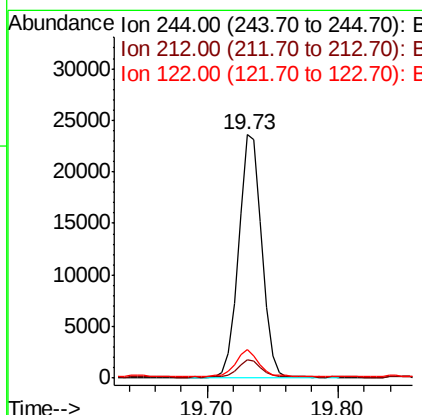
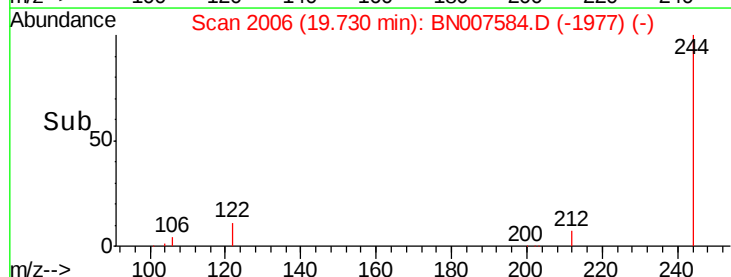
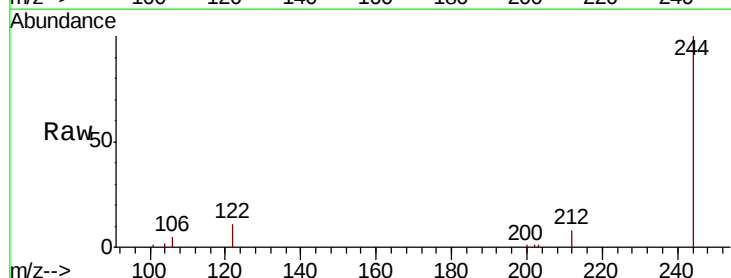
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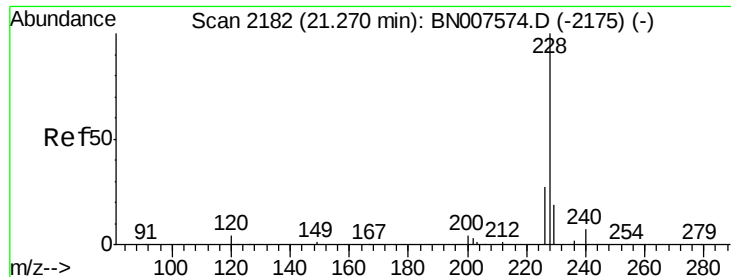
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#29
Terphenyl-d14
Concen: 0.287 ng
RT: 19.73 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	28946		
212	7.7		5.8	8.8
122	11.5		7.8	11.6





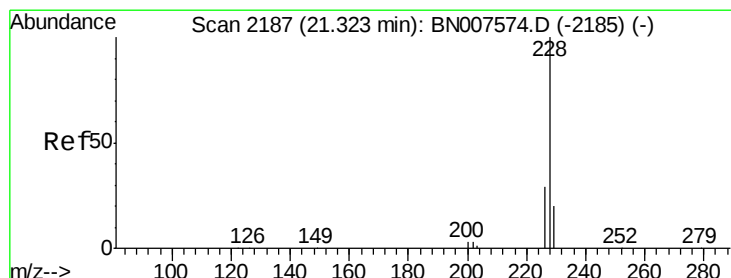
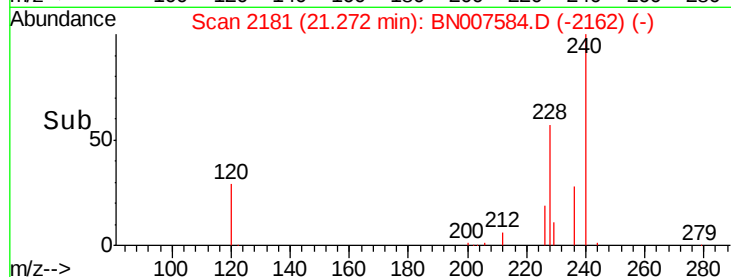
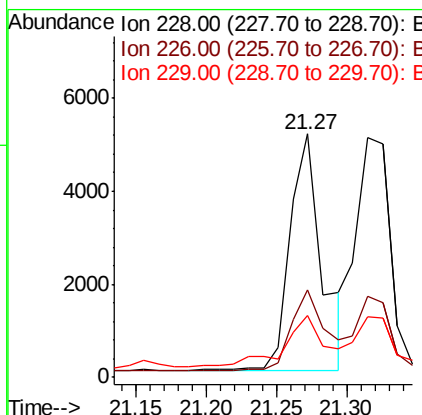
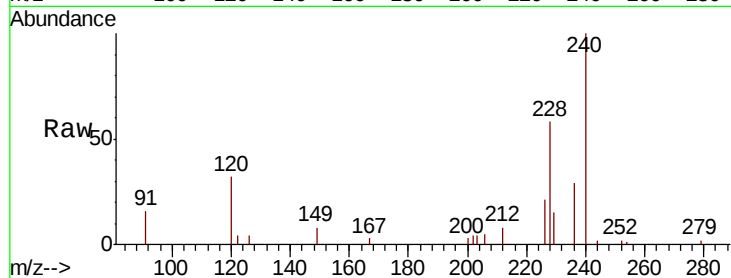
#30
Benzo(a)anthracene
Concen: 0.058 ng
RT: 21.27 min Scan# 2181
Delta R.T. 0.00 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Instrument :
BNA_N
ClientSampleId :
GW800-20.0-25.0-090719

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.7	21.6	32.4#
229	25.2	15.7	23.5#

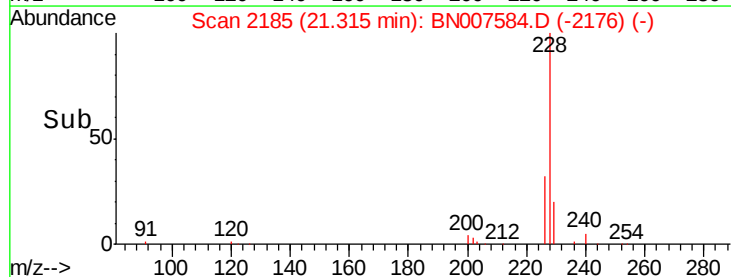
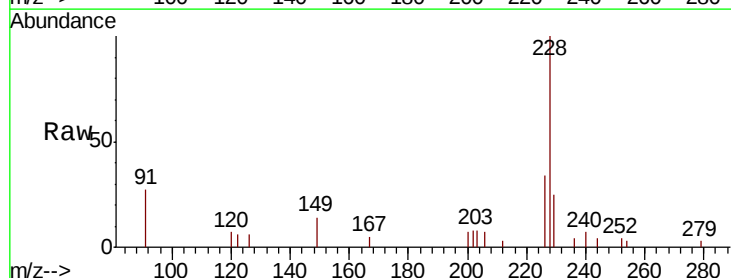
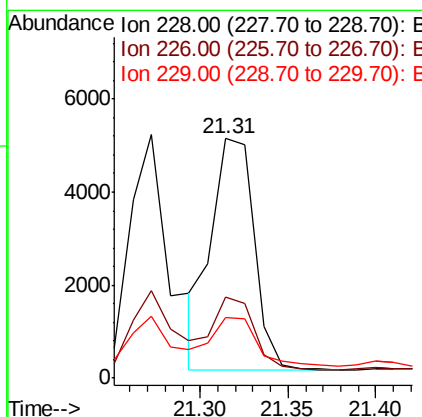
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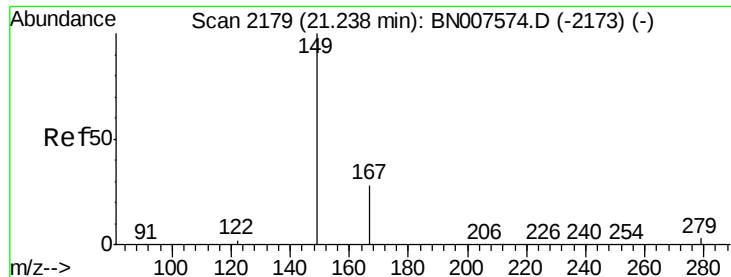
mohammad
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#31
Chrysene
Concen: 0.060 ng
RT: 21.31 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.7	23.4	35.2
229	25.2	15.7	23.5#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.139 ng

RT: 21.23 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BN007584.D

Acq: 10 Sep 2019 20:47

Instrument :

BNA_N

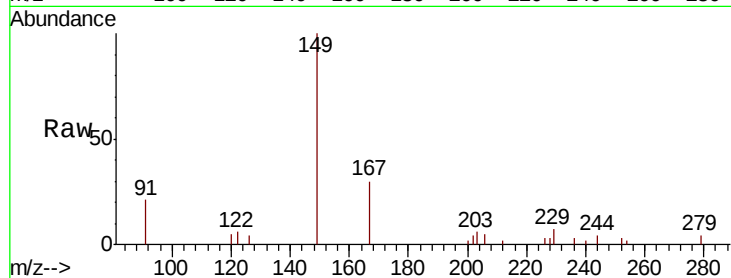
ClientSampleId :

GW800-20.0-25.0-090719

Tot Ion:	149	Resp:	6585
Ion Ratio	Lower	Upper	
149	100		
167	28.6	22.1	33.1
279	5.7	3.9	5.9

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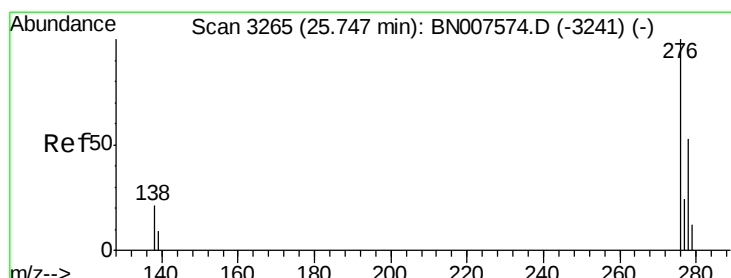
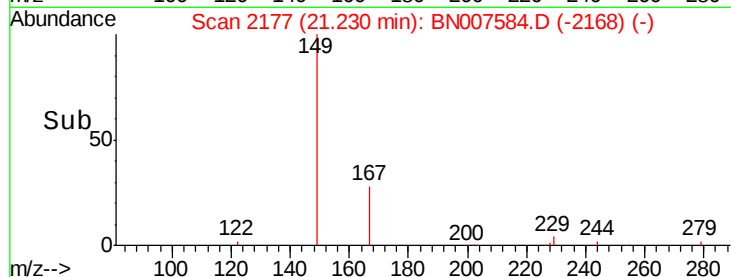
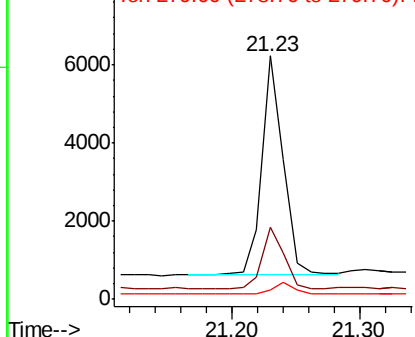


Abundance

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: 0.032 ng

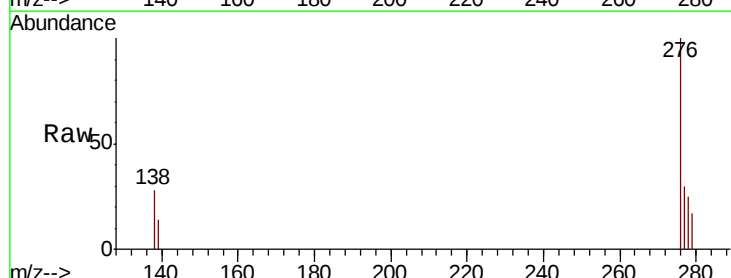
RT: 25.74 min Scan# 3261

Delta R.T. -0.01 min

Lab File: BN007584.D

Acq: 10 Sep 2019 20:47

Tgt Ion:	276	Resp:	4835
Ion Ratio	Lower	Upper	
276	100		
138	22.8	0.0	0.0#
277	25.2	0.0	0.0#

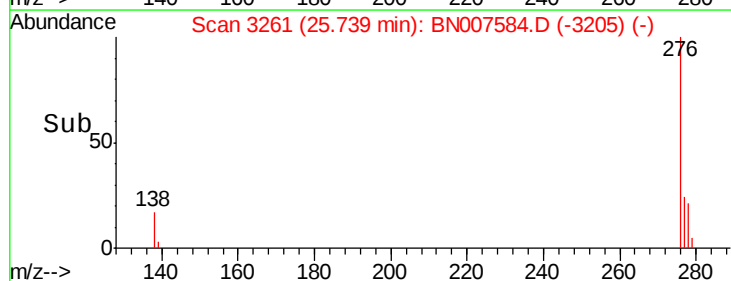
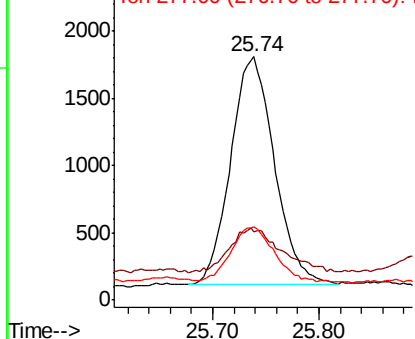


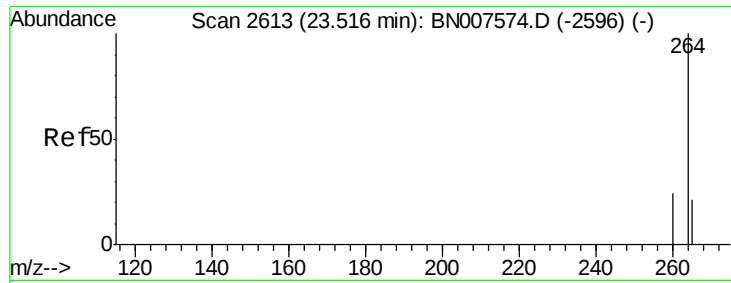
Abundance

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





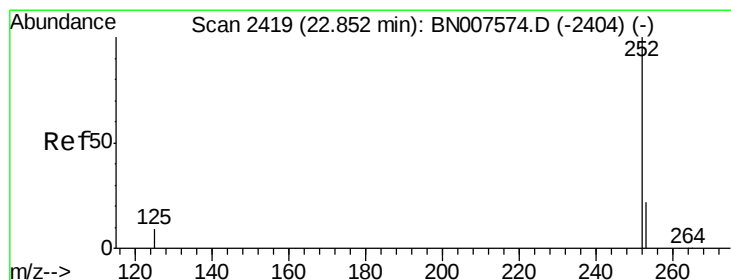
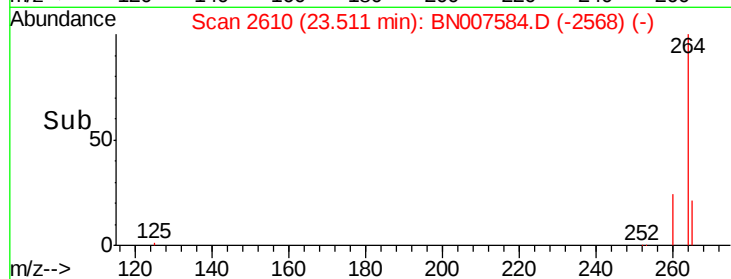
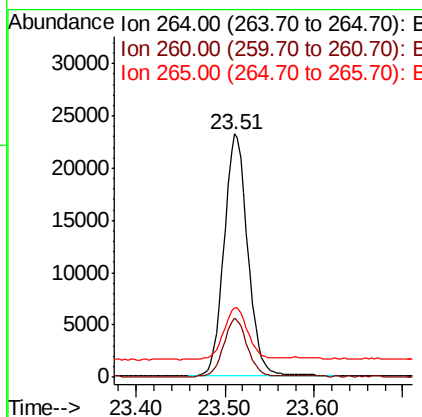
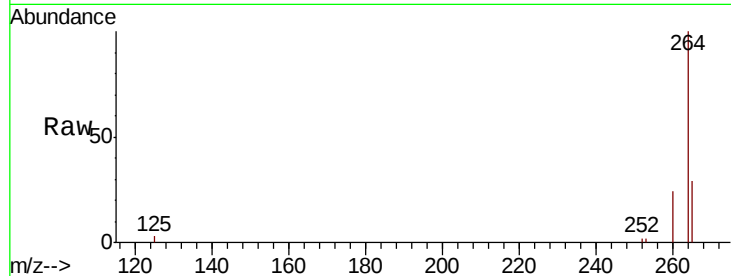
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.51 min Scan# 2610
 Delta R.T. -0.00 min
 Lab File: BN007584.D
 Acq: 10 Sep 2019 20:47

Instrument :
 BNA_N
 ClientSampleId :
 GW800-20.0-25.0-090719

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.3	28.9
265	28.7	25.6	38.4

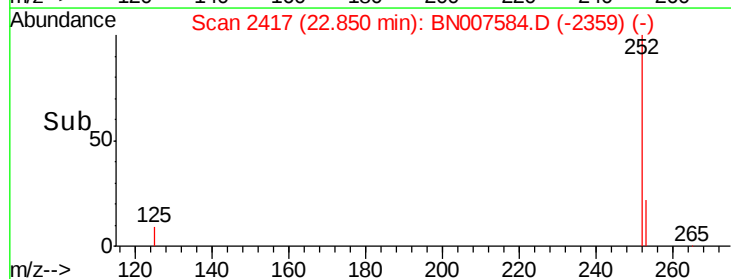
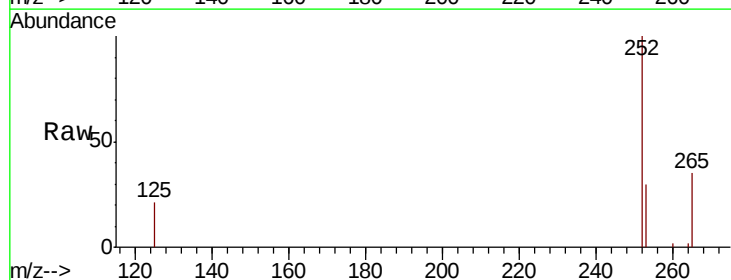
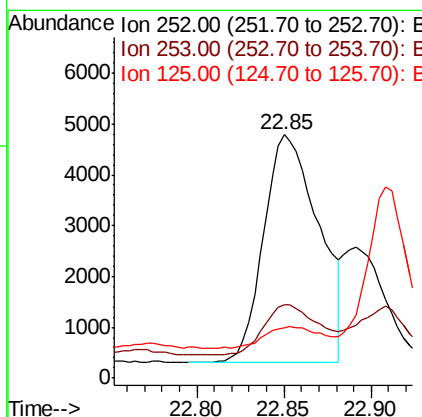
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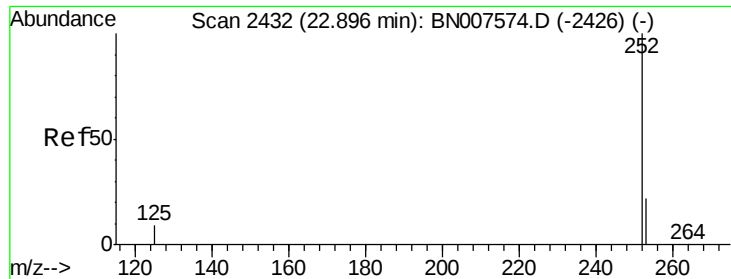
mohammad
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#35
 Benzo(b)fluoranthene
 Concen: 0.064 ng
 RT: 22.85 min Scan# 2417
 Delta R.T. -0.00 min
 Lab File: BN007584.D
 Acq: 10 Sep 2019 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.2	18.5	27.7#
125	20.8	8.2	12.2#





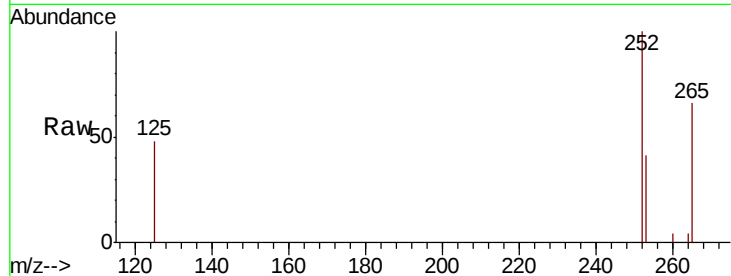
#36
Benzo(k)fluoranthene
Concen: 0.027 ng m
RT: 22.89 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

Instrument :
BNA_N
ClientSampleId :
GW800-20.0-25.0-090719

Tot Ion	Ratio	Lower	Upper
252	100		
253	40.6	18.4	27.6#
125	48.0	8.2	12.2#

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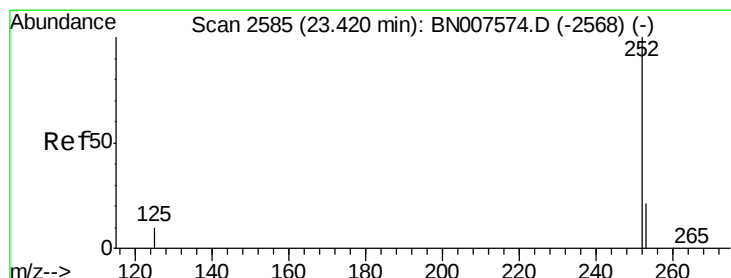
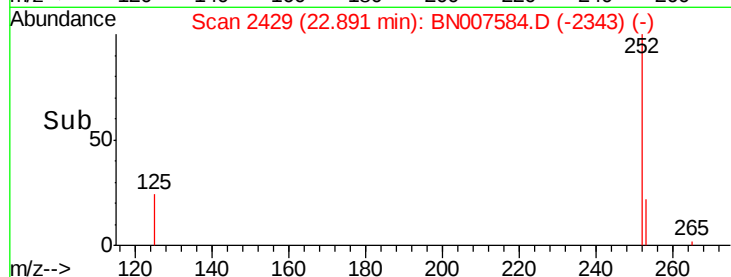
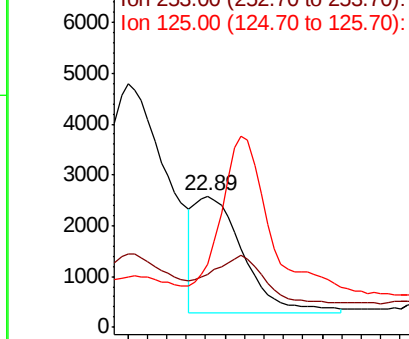


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#37
Benzo(a)pyrene
Concen: 0.047 ng
RT: 23.41 min Scan# 2582
Delta R.T. -0.00 min
Lab File: BN007584.D
Acq: 10 Sep 2019 20:47

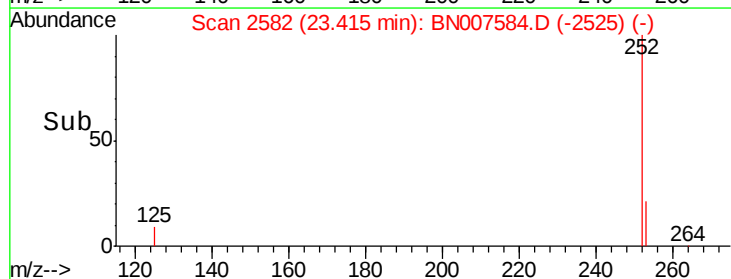
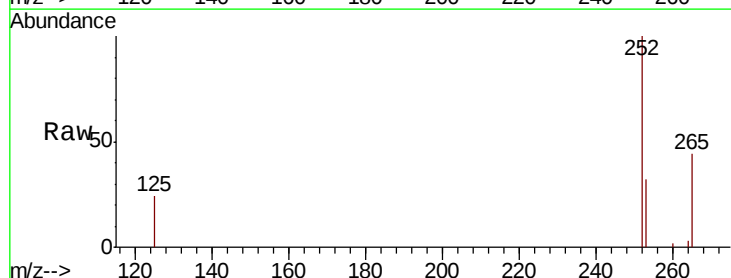
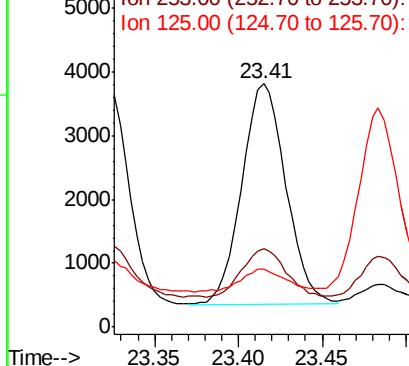
Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.5	18.6	28.0#
125	23.8	9.2	13.8#

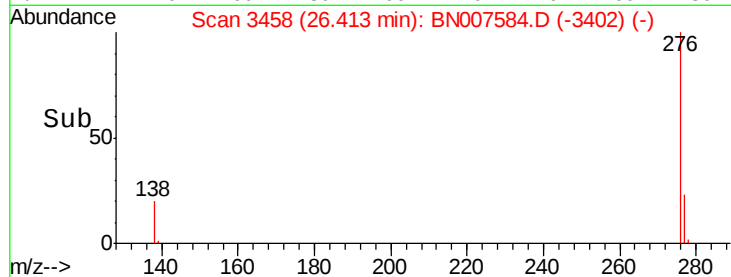
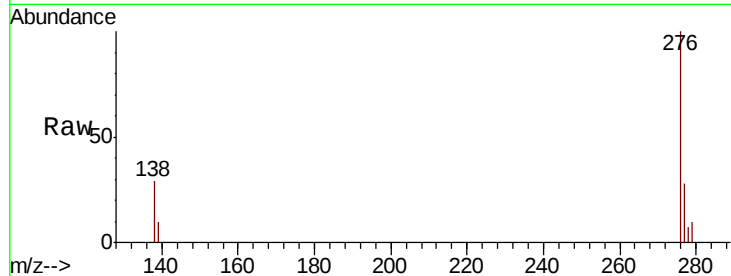
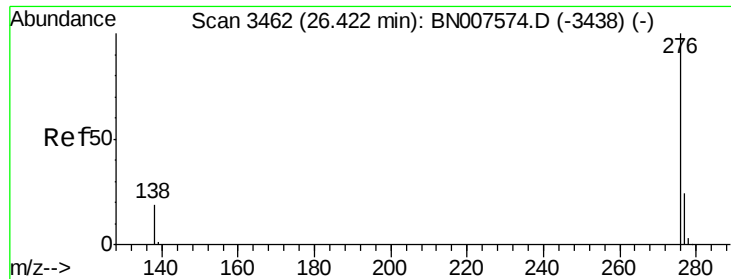
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.046 ng

RT: 26.41 min Scan# 3458

Delta R.T. -0.01 min

Lab File: BN007584.D

Acq: 10 Sep 2019 20:47

Instrument :

BNA_N

ClientSampleId :

GW800-20.0-25.0-090719

Tot Ion:	276	Resp:	6412
Ion Ratio	Lower	Upper	
276	100		
277	28.2	19.7	29.5
138	29.3	15.9	23.9

Manual Integrations
APPROVED

mohammad
9/16/2019 8:57:34 AM

