

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091019\
 Data File : BN007580.D
 Acq On : 10 Sep 2019 17:26
 Operator : HP/JU
 Sample : K4781-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GW801-8.0-13.0-090719

Manual Integrations
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mohammad
 9/16/2019 8:57:31 AM

Quant Time: Sep 10 18:13:40 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	7.73	152	5511	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	23176	0.40	ng	0.00
13) Acenaphthene-d10	14.35	164	13671	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	33312	0.40	ng	0.00
27) Chrysene-d12	21.28	240	35535	0.40	ng	-0.01
34) Perylene-d12	23.51	264	39551	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	1451	0.09	ng	0.00
5) Phenol-d6	6.90	99	1478	0.06	ng	0.00
8) Nitrobenzene-d5	8.86	82	3291	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	12.09	152	8278	0.21	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	810	0.16	ng	-0.01
15) 2-Fluorobiphenyl	12.98	172	13386	0.24	ng	0.00
25) Fluoranthene-d10	19.12	212	21931	0.20	ng	0.00
29) Terphenyl-d14	19.73	244	18647	0.20	ng	0.00
Target Compounds						
9) Naphthalene	10.54	128	1541	0.024	ng	Qvalue # 81
12) 2-Methylnaphthalene	12.16	142	1422	0.031	ng	# 91
17) Acenaphthene	14.40	154	2915	0.063	ng	99
18) Fluorene	15.39	166	3483	0.057	ng	98
23) Phenanthrene	17.13	178	31555	0.307	ng	99
24) Anthracene	17.22	178	5904	0.062	ng	97
26) Fluoranthene	19.15	202	21076	0.169	ng	# 96
28) Pyrene	19.52	202	22504	0.176	ng	# 95
30) Benzo(a)anthracene	21.27	228	15432	0.121	ng	# 95
31) Chrysene	21.32	228	13433	0.104	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.23	149	6862	0.158	ng	97
33) Indeno(1,2,3-cd)pyrene	25.73	276	4447	0.033	ng	# 100
35) Benzo(b)fluoranthene	22.85	252	11052	0.079	ng	# 84
36) Benzo(k)fluoranthene	22.89	252	6025m	0.043	ng	
37) Benzo(a)pyrene	23.41	252	9400	0.075	ng	# 83
39) Benzo(g,h,i)perylene	26.41	276	5145	0.040	ng	# 85

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

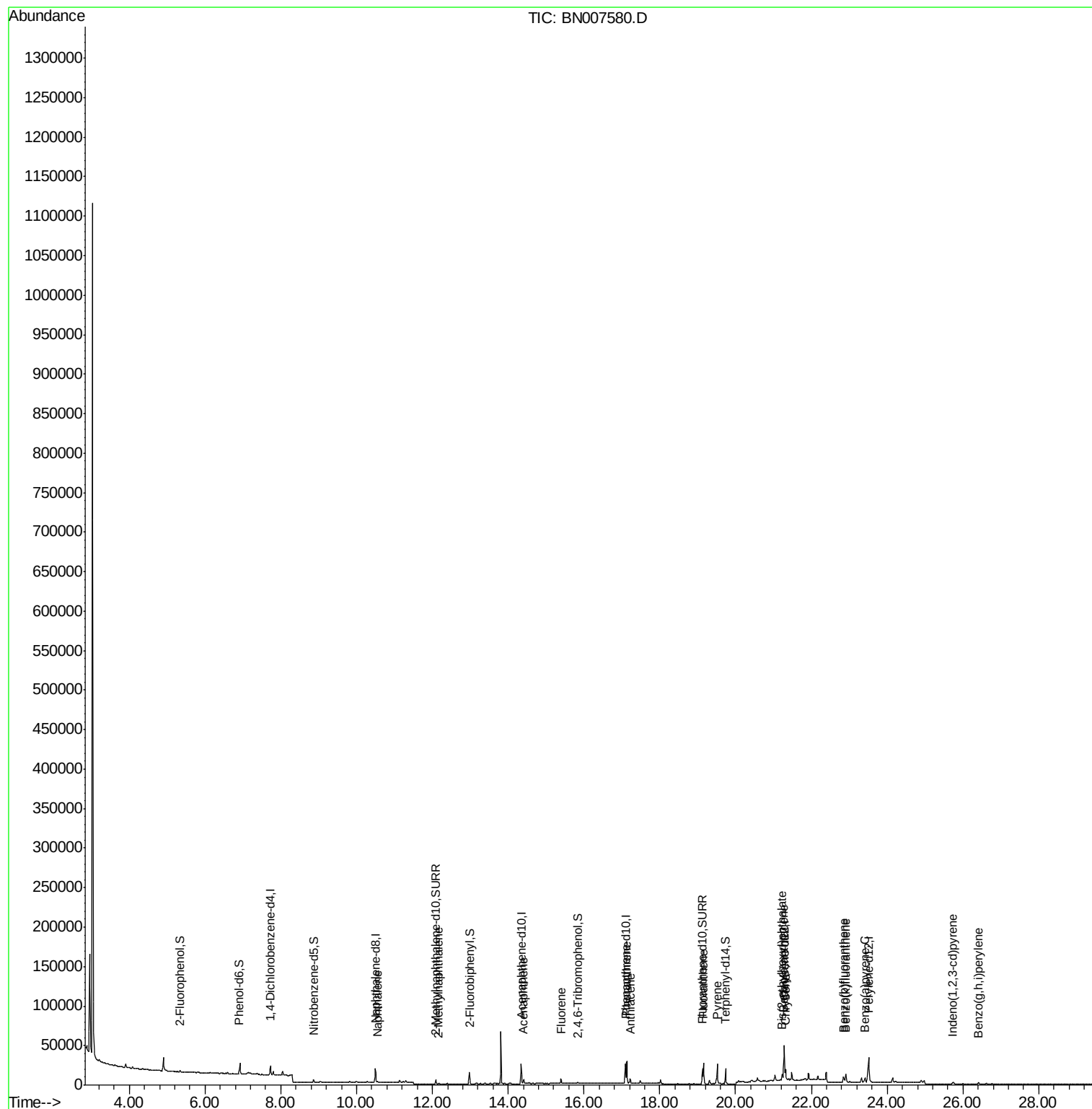
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091019\
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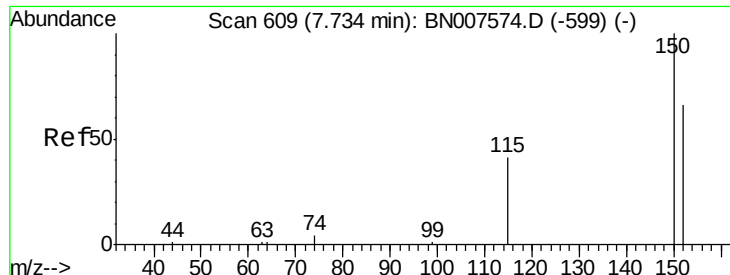
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 16:53:18 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Instrument :

BNA_N

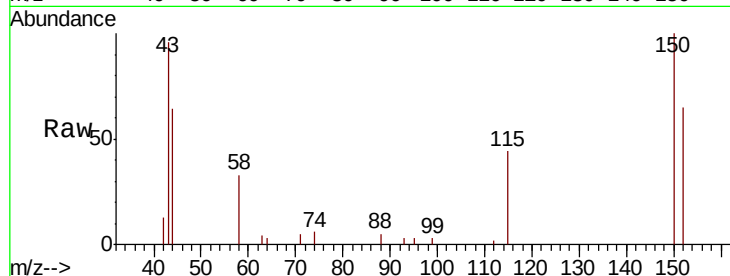
ClientSampleId :

GW801-8.0-13.0-090719

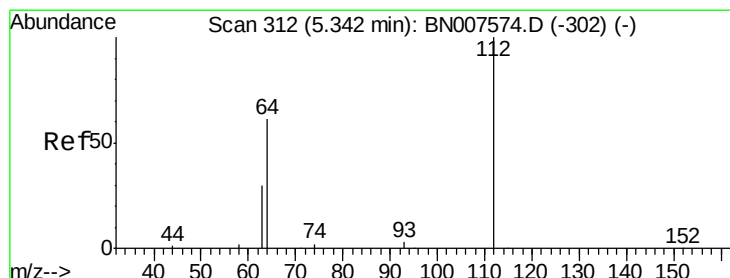
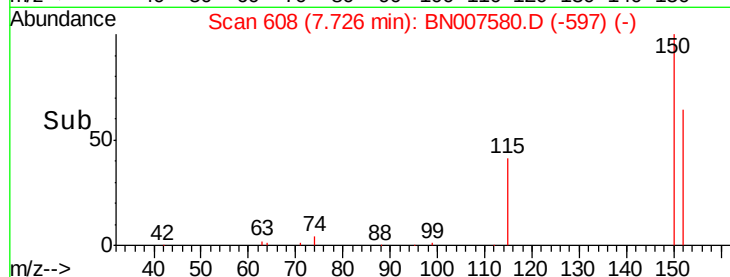
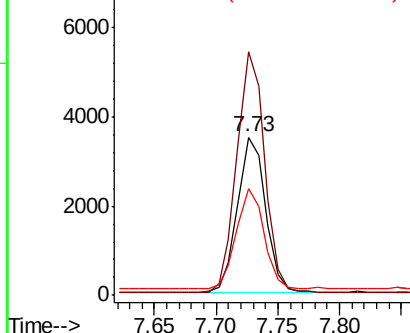
Tot Ion:	152	Resp:	5511
Ion Ratio	Lower	Upper	
152	100		
150	154.2	119.5	179.3
115	67.1	53.0	79.6

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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: 0.086 ng

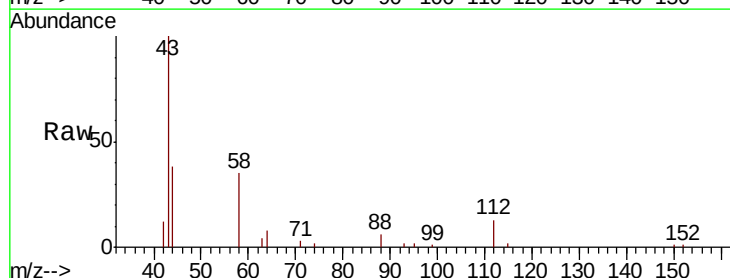
RT: 5.34 min Scan# 312

Delta R.T. 0.00 min

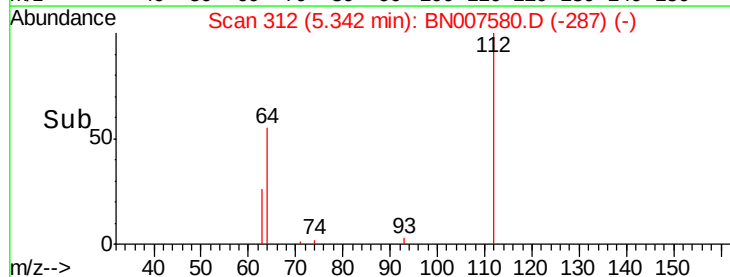
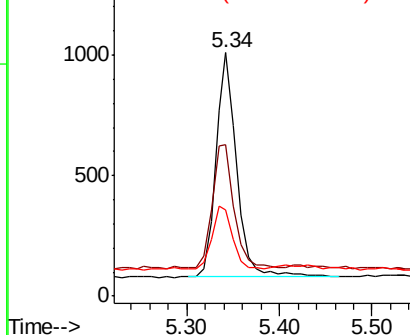
Lab File: BN007580.D

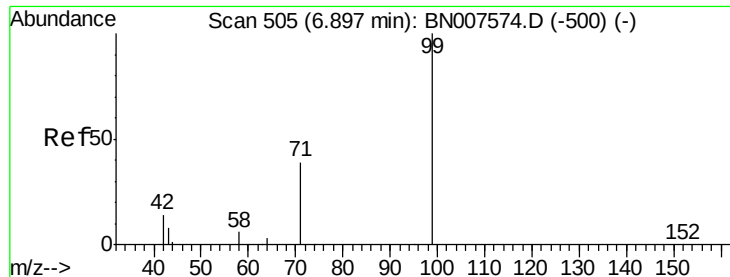
Acq: 10 Sep 2019 17:26

Tgt Ion:	112	Resp:	1451
Ion Ratio	Lower	Upper	
112	100		
64	57.3	49.2	73.8
63	27.2	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: 0.063 ng

RT: 6.90 min Scan# 505

Delta R.T. 0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Instrument :

BNA_N

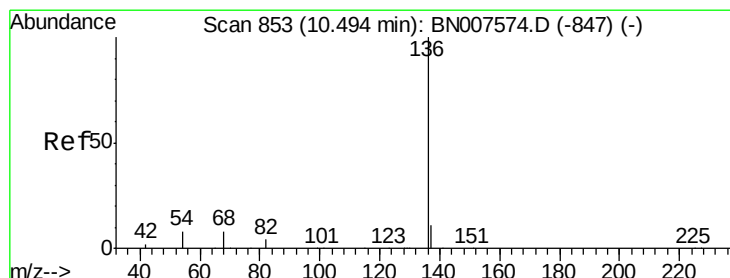
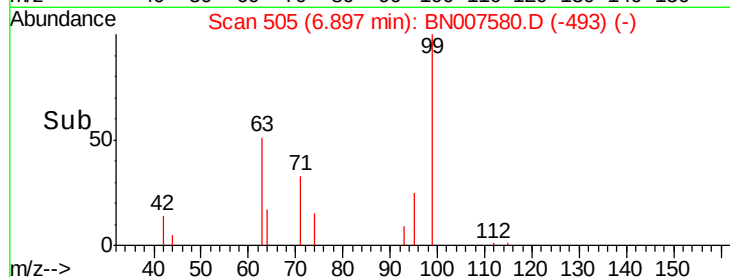
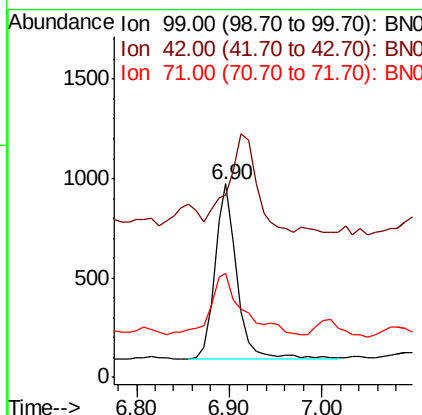
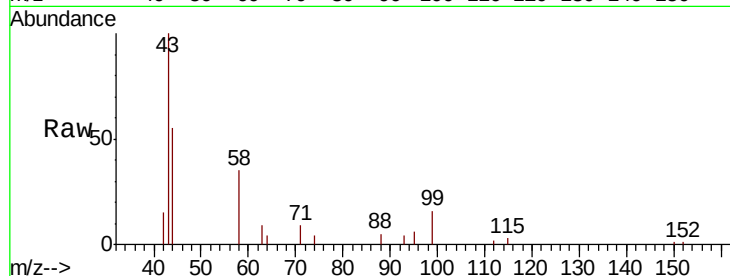
ClientSampleId :

GW801-8.0-13.0-090719

Tot Ion:	99	Resp:	1478
Ion	Ratio	Lower	Upper
99	100		
42	71.0	11.8	17.8#
71	52.9	28.8	43.2#

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#7

Naphthalene-d8

Concen: 0.400 ng

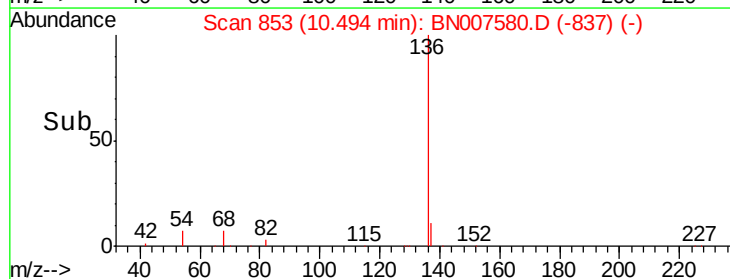
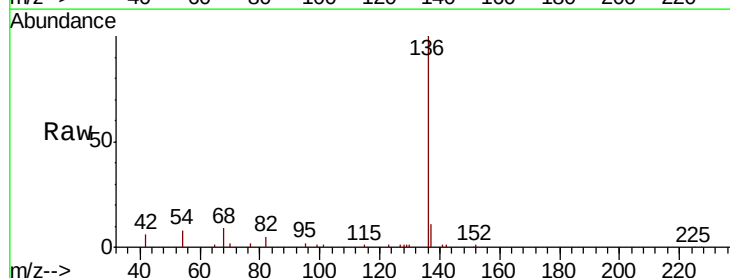
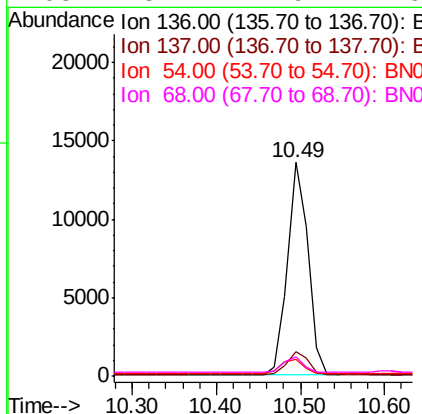
RT: 10.49 min Scan# 853

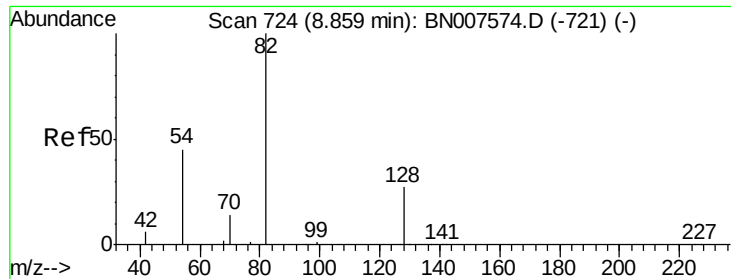
Delta R.T. 0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Tgt Ion:	136	Resp:	23176
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	8.1	7.5	11.3
68	8.7	7.9	11.9





#8

Nitrobenzene-d5

Concen: 0.233 ng

RT: 8.86 min Scan# 724

Delta R.T. 0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Instrument :

BNA_N

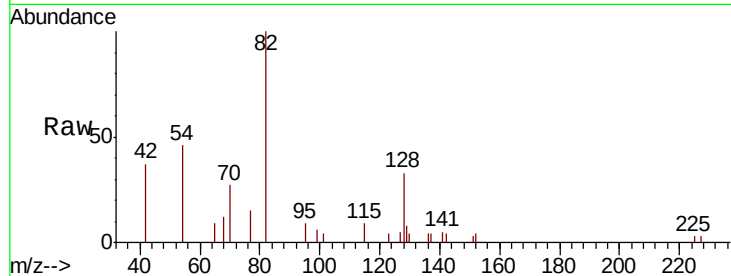
ClientSampleId :

GW801-8.0-13.0-090719

Tot Ion:	82	Resp:	3291
Ion Ratio	Lower	Upper	
82	100		
128	32.8	23.4	35.2
54	46.0	38.2	57.2

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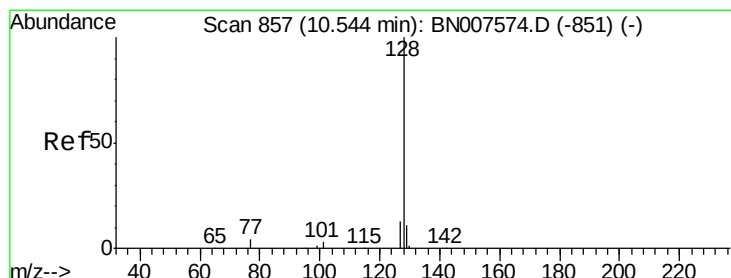
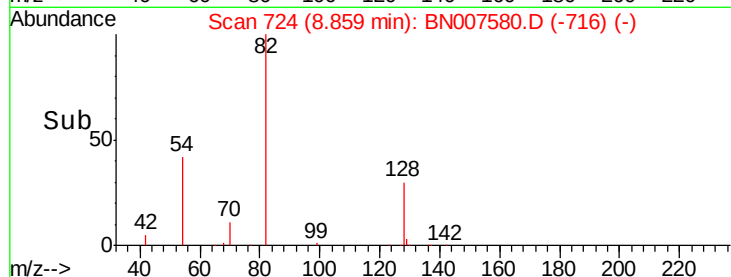
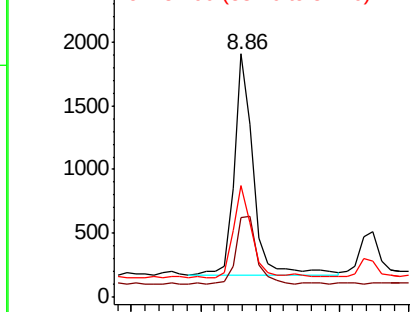


Abundance

Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC



#9

Naphthalene

Concen: 0.024 ng

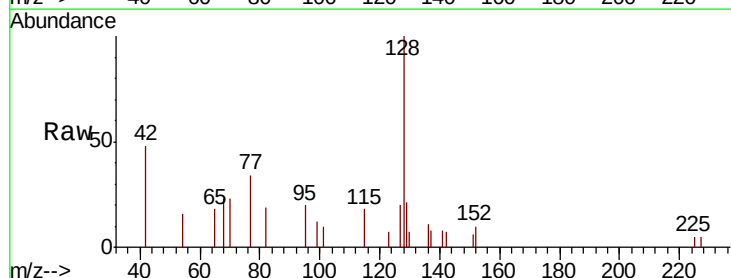
RT: 10.54 min Scan# 857

Delta R.T. 0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Tgt Ion:	128	Resp:	1541
Ion Ratio	Lower	Upper	
128	100		
129	21.3	9.3	13.9#
127	19.5	11.0	16.4#

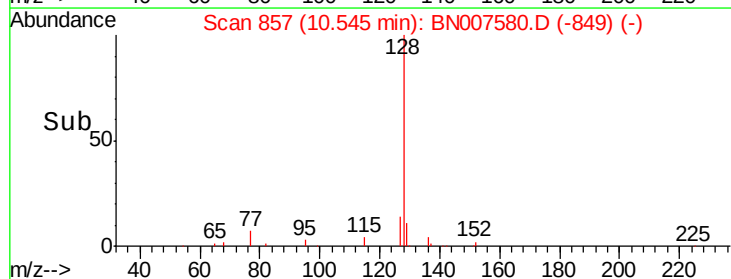
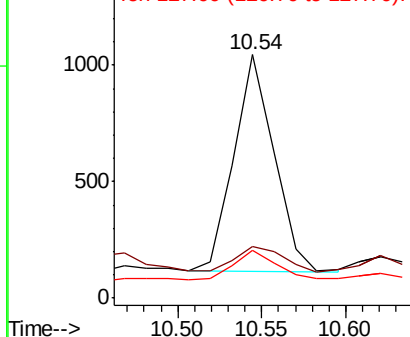


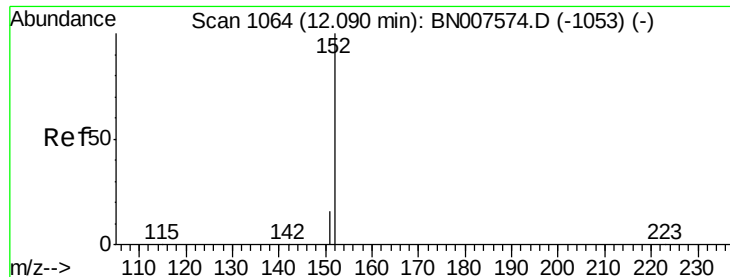
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.207 ng

RT: 12.09 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Instrument :

BNA_N

ClientSampleId :

GW801-8.0-13.0-090719

Tot Ion:152 Resp: 8278

Ion Ratio Lower Upper

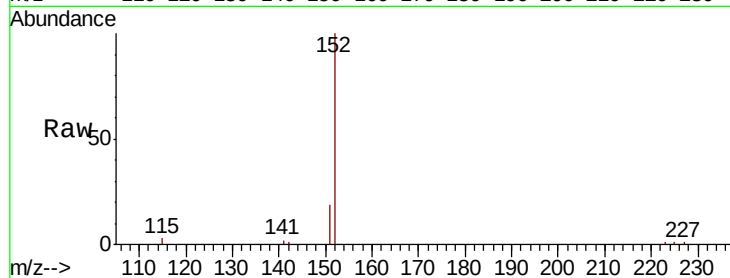
152 100

151 19.4 15.3 22.9

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.09

6000

5000

4000

3000

2000

1000

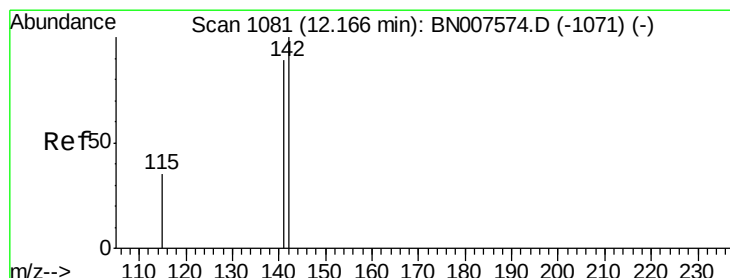
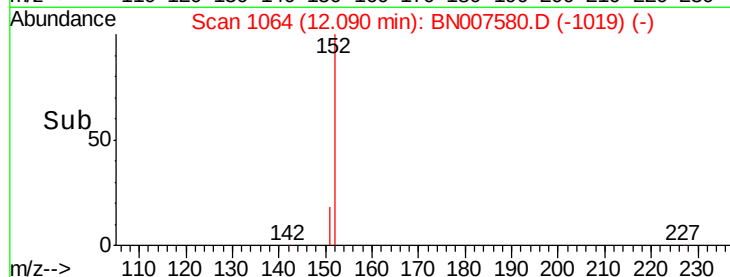
0

Time-->

12.00

12.10

12.20



#12

2-Methylnaphthalene

Concen: 0.031 ng

RT: 12.16 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

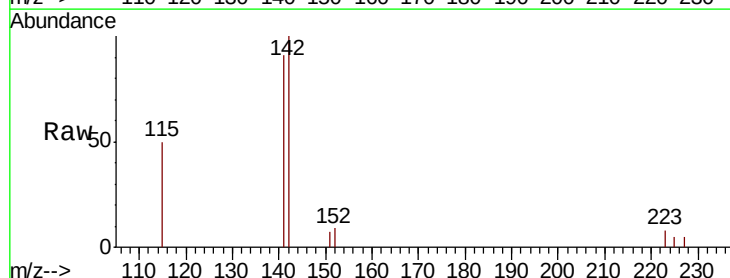
Tgt Ion:142 Resp: 1422

Ion Ratio Lower Upper

142 100

141 91.4 71.0 106.6

115 50.4 29.1 43.7#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.16

1000

500

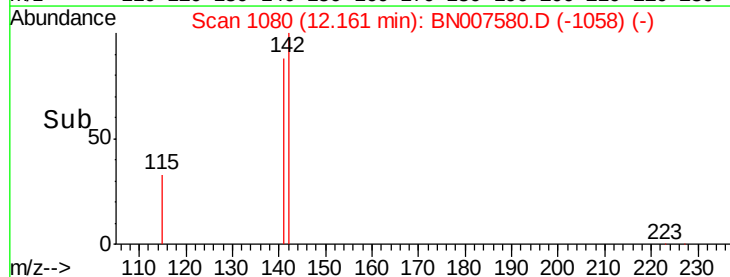
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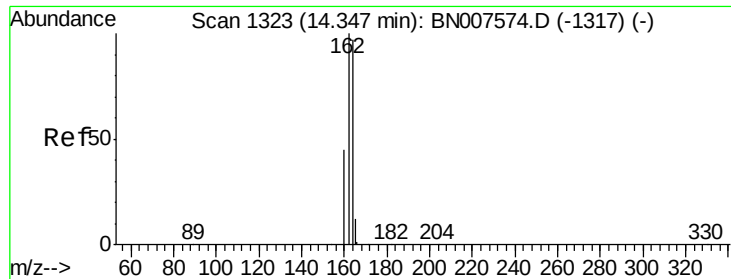
Time-->

12.10

12.15

12.20





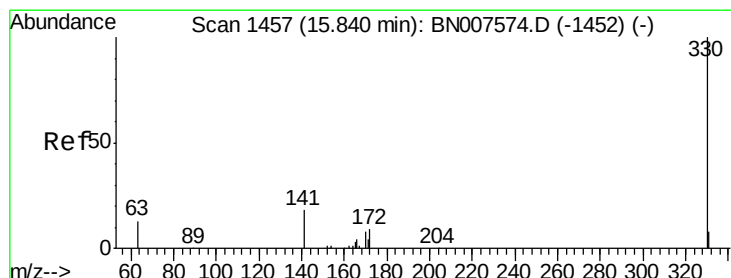
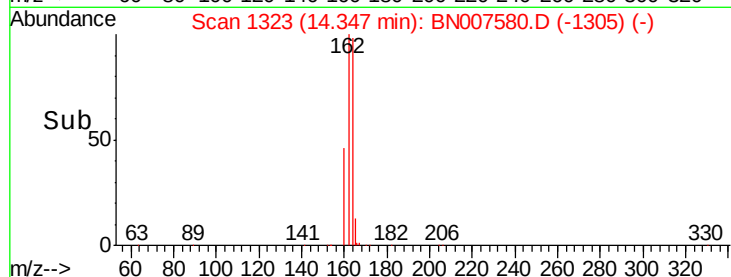
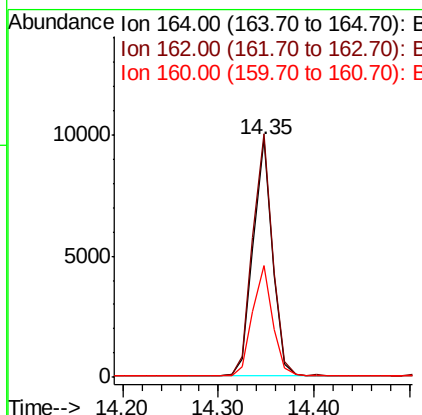
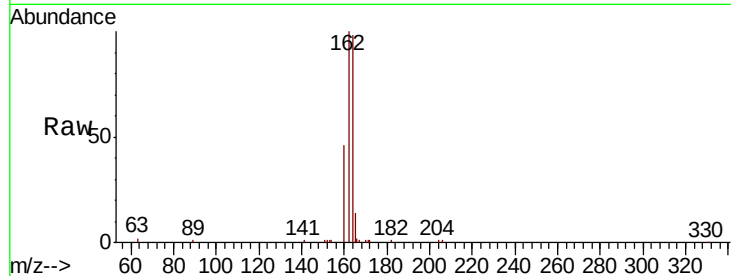
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.35 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN007580.D
Acq: 10 Sep 2019 17:26

Instrument :
BNA_N
ClientSampleId :
GW801-8.0-13.0-090719

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.2
160	47.0	37.4	56.0

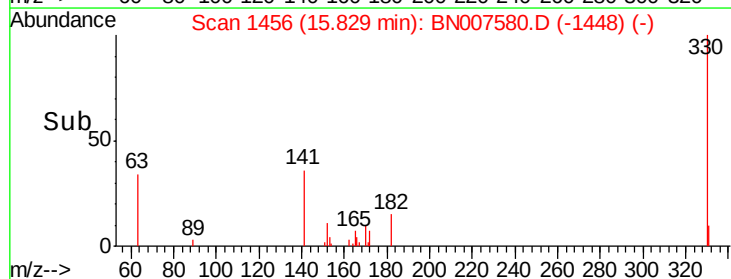
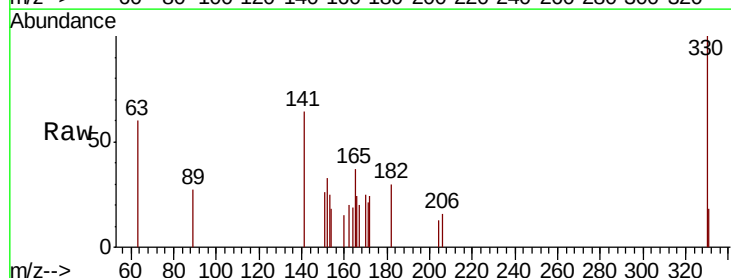
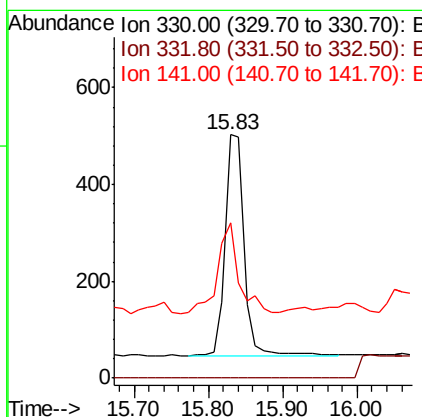
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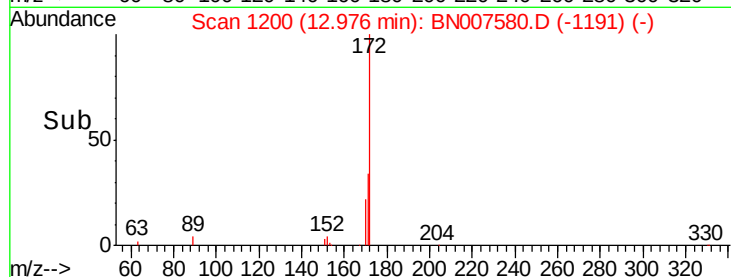
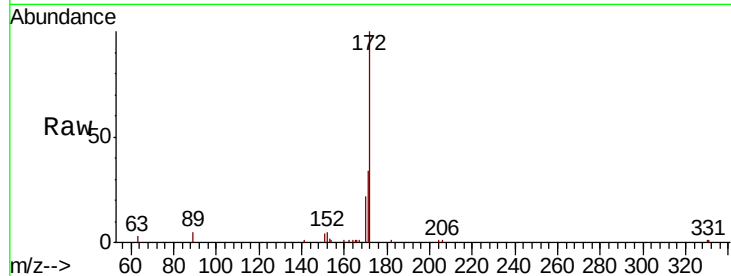
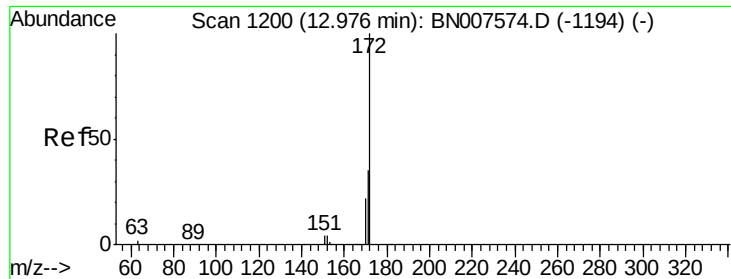
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#14
2,4,6-Tribromophenol
Concen: 0.156 ng
RT: 15.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BN007580.D
Acq: 10 Sep 2019 17:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	45.3	30.6	45.8





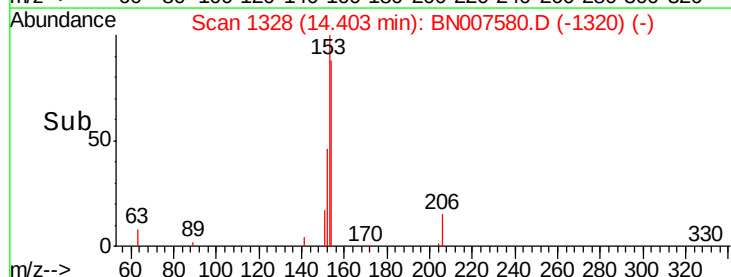
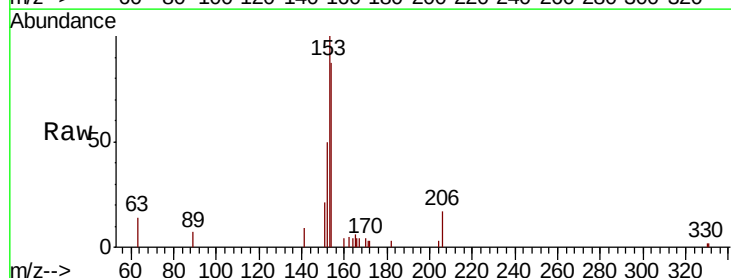
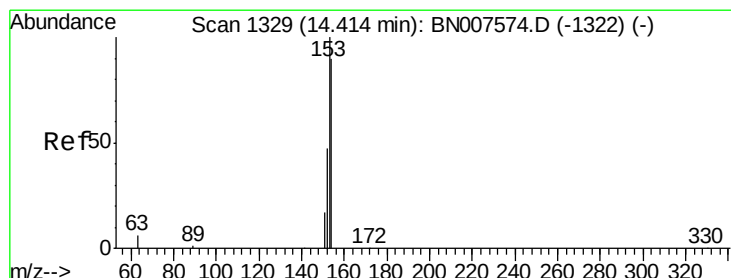
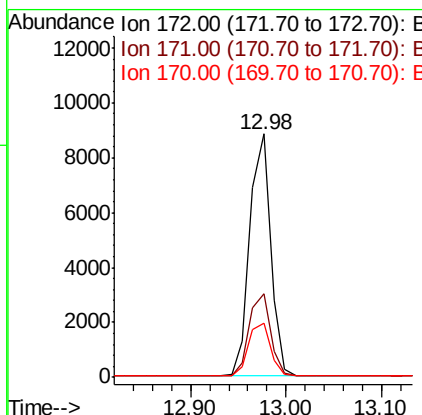
#15
2-Fluorobiphenyl
Concen: 0.237 ng
RT: 12.98 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BN007580.D
Acq: 10 Sep 2019 17:26

Instrument :
BNA_N
ClientSampleId :
GW801-8.0-13.0-090719

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.2	42.2
170	22.5	18.3	27.5

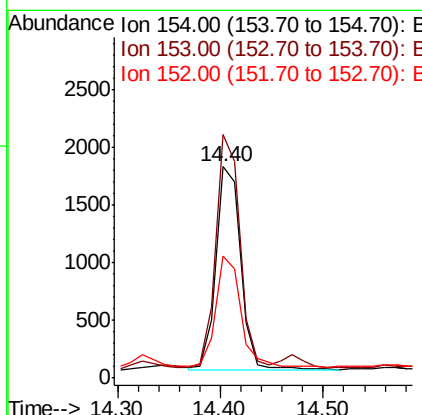
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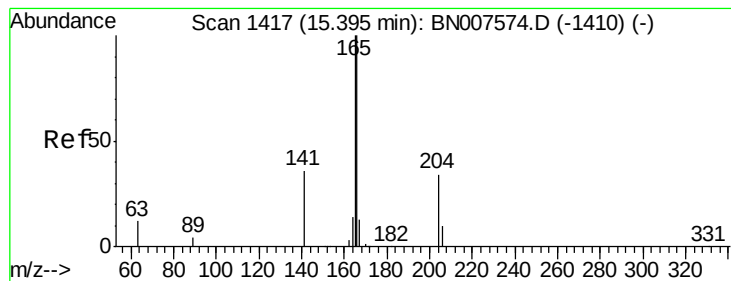
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#17
Acenaphthene
Concen: 0.063 ng
RT: 14.40 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN007580.D
Acq: 10 Sep 2019 17:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.4	134.2
152	55.4	43.4	65.0





#18

Fluorene

Concen: 0.057 ng

RT: 15.39 min Scan# 1417

Delta R.T. 0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Instrument :

BNA_N

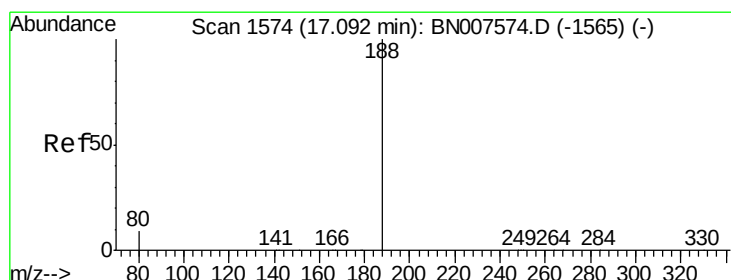
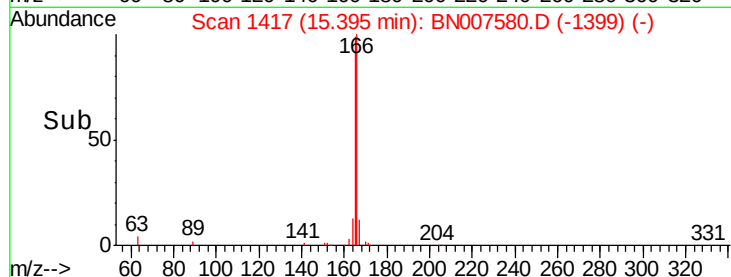
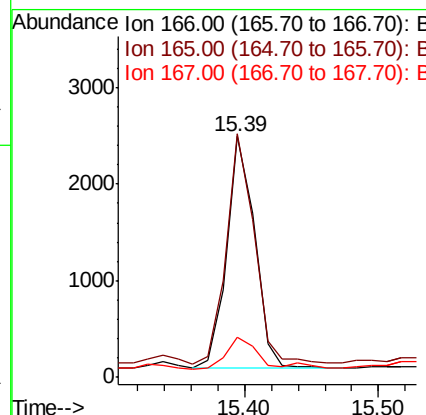
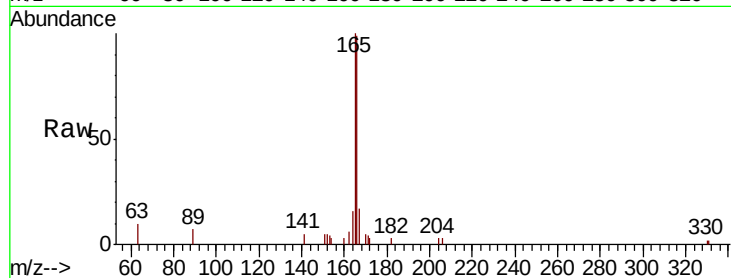
ClientSampleId :

GW801-8.0-13.0-090719

Tot Ion:	166	Resp:	3483
Ion Ratio	Lower	Upper	
166	100		
165	99.5	77.8	116.6
167	14.1	11.0	16.4

Manual Integrations
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#19

Phenanthrene-d10

Concen: 0.400 ng

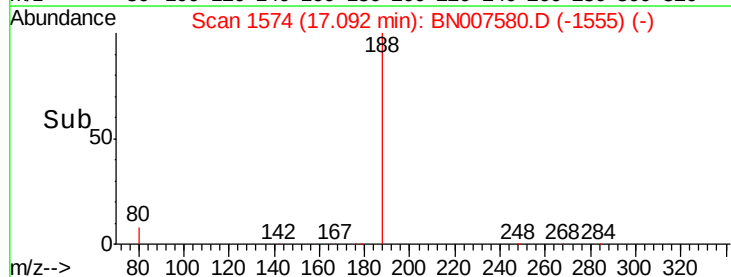
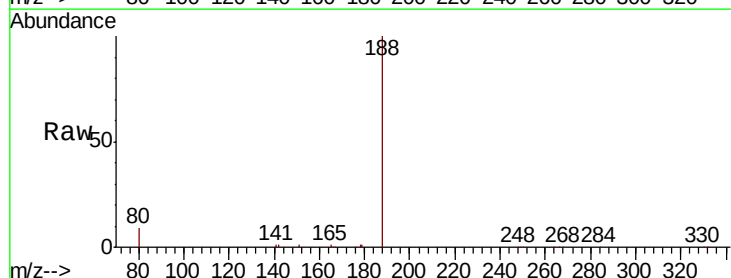
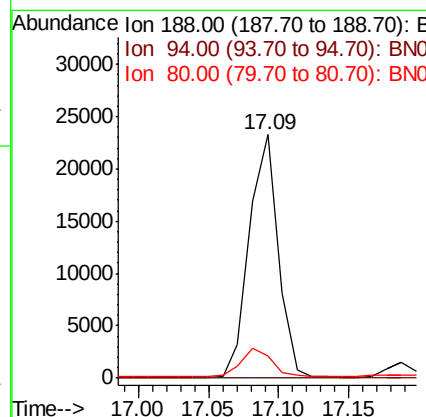
RT: 17.09 min Scan# 1574

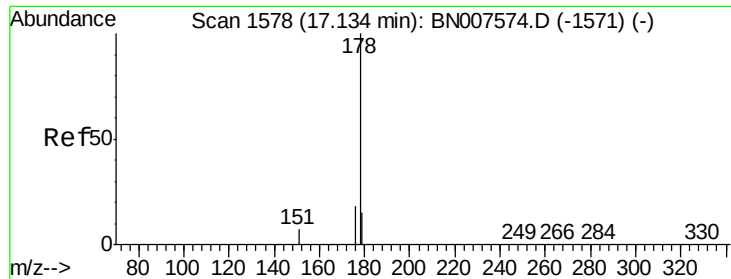
Delta R.T. 0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Tgt Ion:	188	Resp:	33312
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.1	8.1	12.1





#23

Phenanthrene

Concen: 0.307 ng

RT: 17.13 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Instrument :

BNA_N

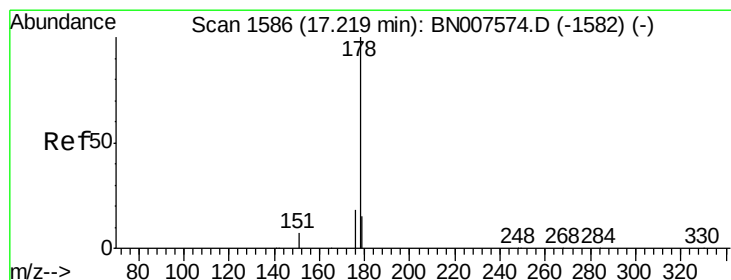
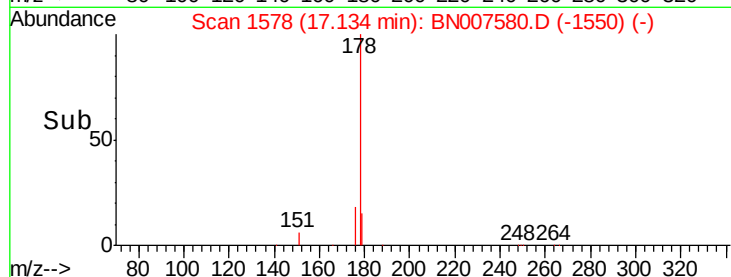
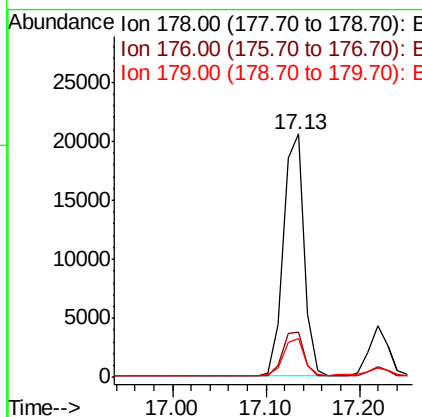
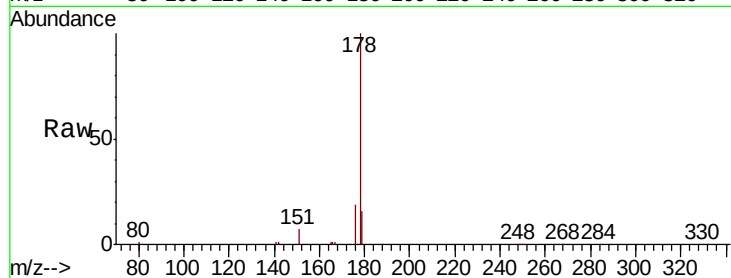
ClientSampleId :

GW801-8.0-13.0-090719

Tot Ion:	178	Resp:	31555
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.0	22.4
179	15.8	12.2	18.2

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#24

Anthracene

Concen: 0.062 ng

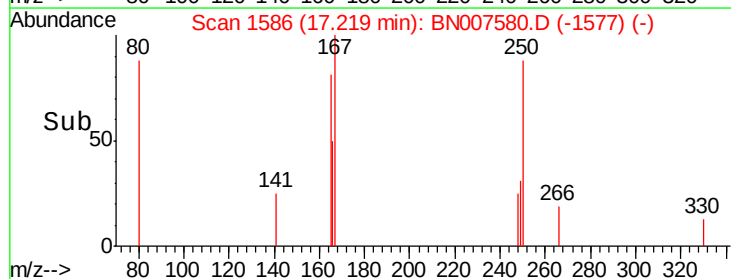
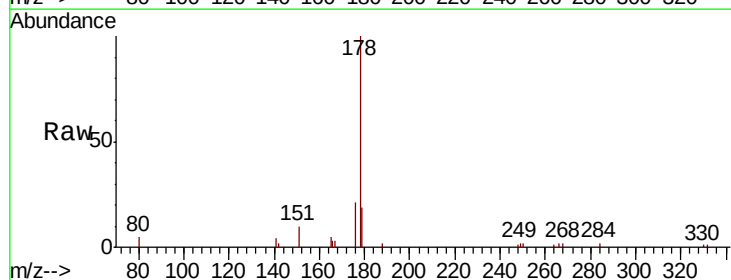
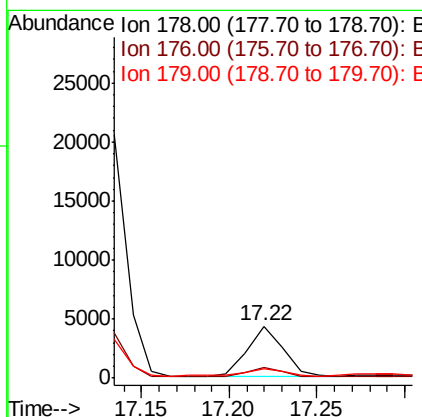
RT: 17.22 min Scan# 1586

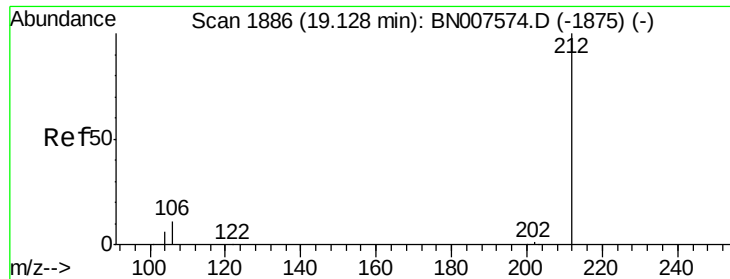
Delta R.T. 0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Tgt Ion:	178	Resp:	5904
Ion Ratio	Lower	Upper	
178	100		
176	19.5	14.4	21.6
179	16.8	12.5	18.7





#25

Fluoranthene-d10

Concen: 0.203 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Instrument :

BNA_N

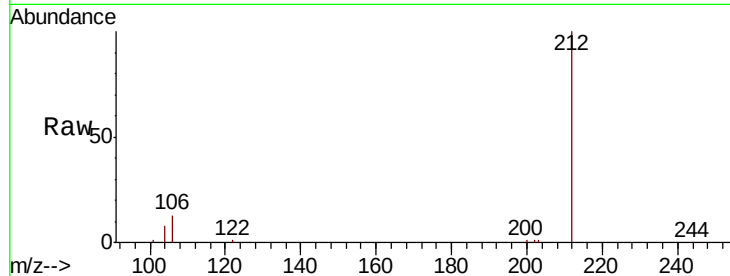
ClientSampleId :

GW801-8.0-13.0-090719

Tot Ion:	212	Resp:	21931
Ion Ratio	Lower	Upper	
212	100		
106	12.4	9.7	14.5
104	7.3	5.5	8.3

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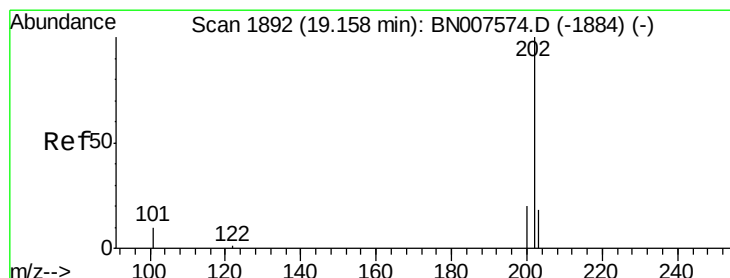
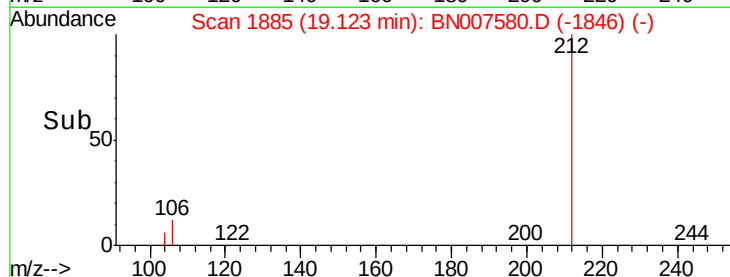
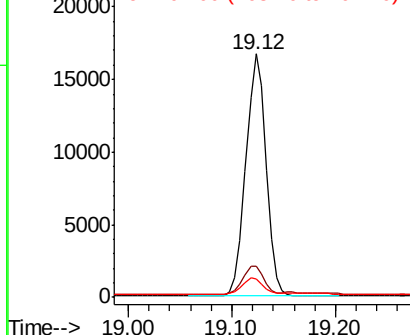


Abundance

Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.169 ng

RT: 19.15 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

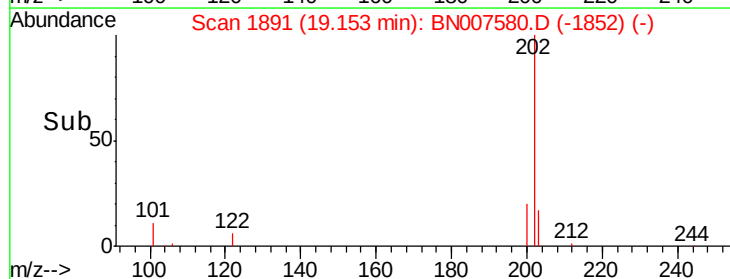
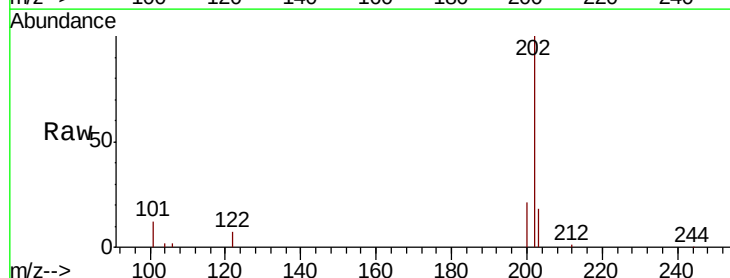
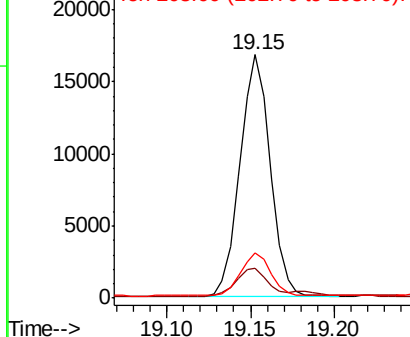
Tgt Ion:	202	Resp:	21076
Ion Ratio	Lower	Upper	
202	100		
101	14.5	8.8	13.2#
203	17.7	13.8	20.8

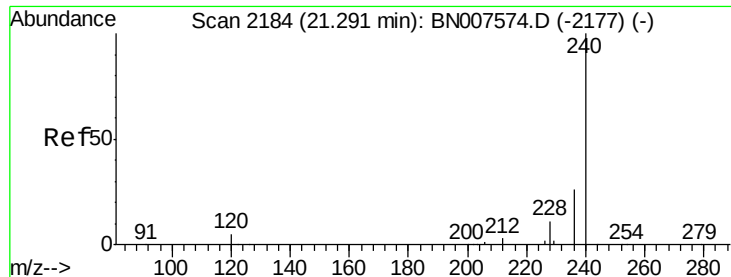
Abundance

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: 21.28 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Instrument :

BNA_N

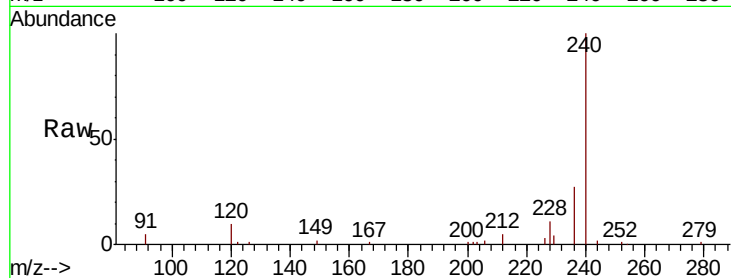
ClientSampleId :

GW801-8.0-13.0-090719

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	5.0	7.4#
236	26.9	20.6	31.0

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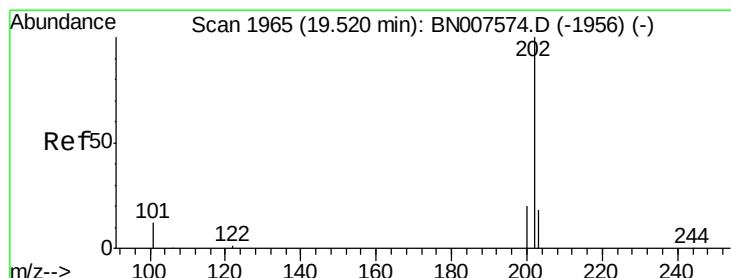
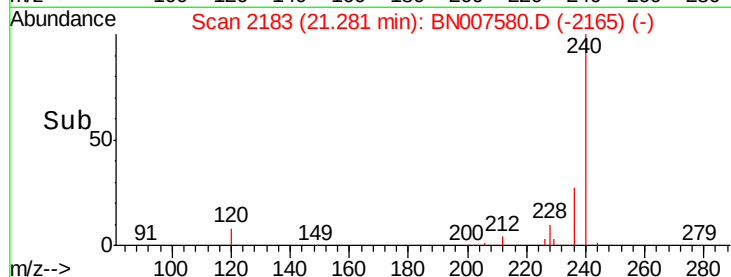
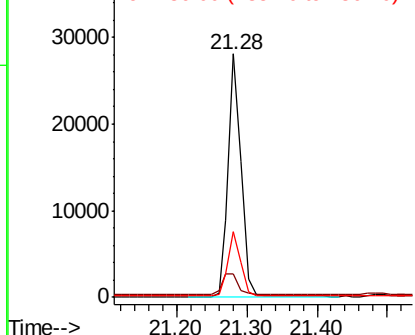


Abundance

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

Pyrene

Concen: 0.176 ng

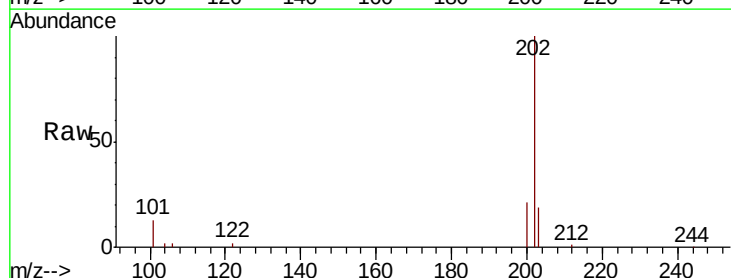
RT: 19.52 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BN007580.D

Acq: 10 Sep 2019 17:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	22.0	14.1	21.1#

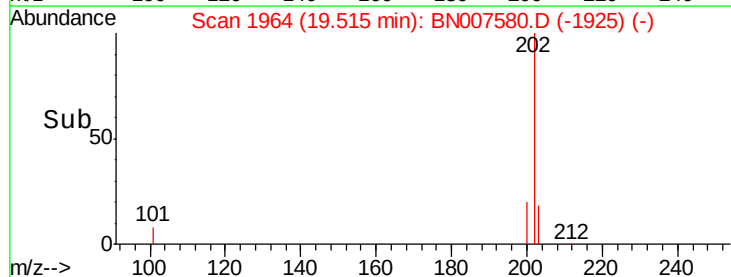
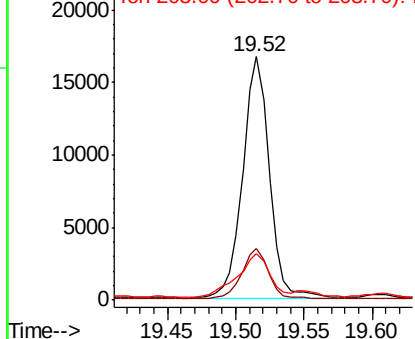


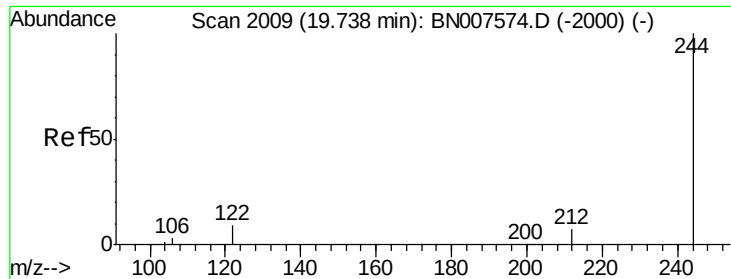
Abundance

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





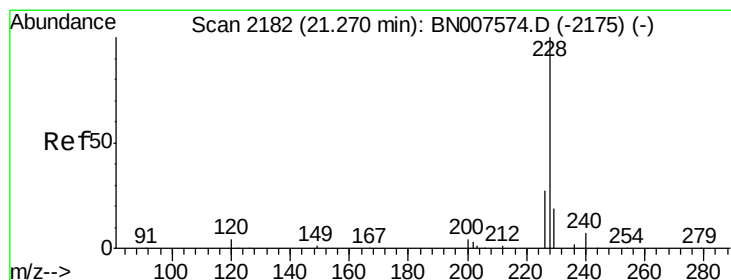
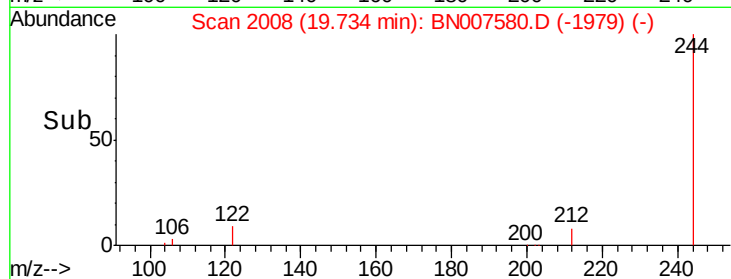
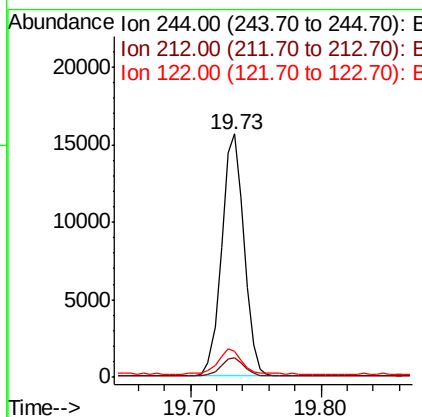
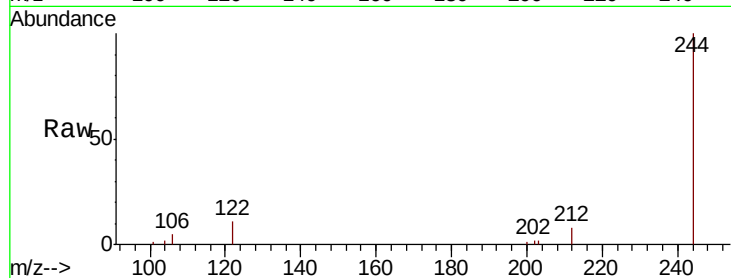
#29
 Terphenyl-d14
 Concen: 0.202 ng
 RT: 19.73 min Scan# 2008
 Delta R.T. -0.00 min
 Lab File: BN007580.D
 Acq: 10 Sep 2019 17:26

Instrument :
 BNA_N
 ClientSampleId :
 GW801-8.0-13.0-090719

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.8
122	10.6	7.8	11.6

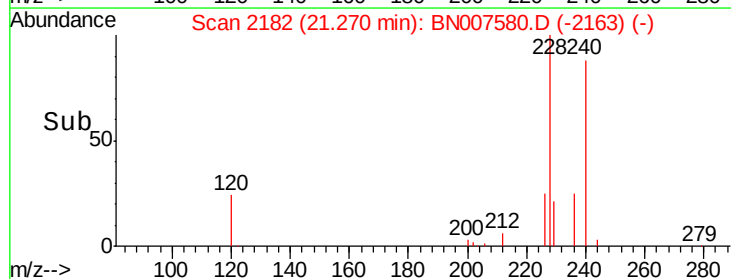
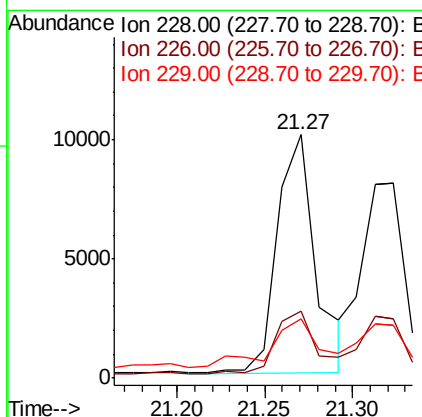
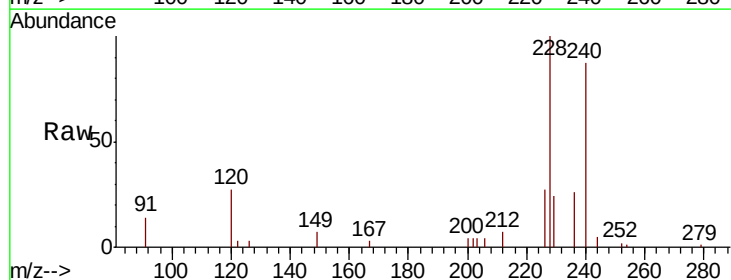
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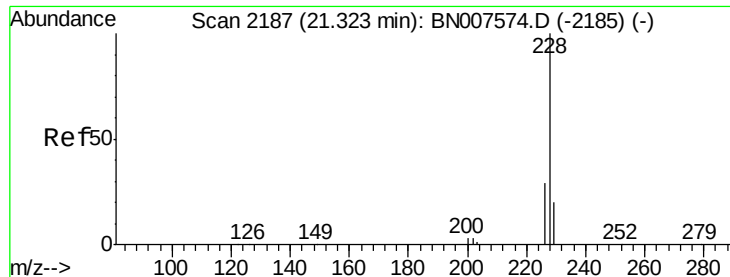
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#30
 Benzo(a)anthracene
 Concen: 0.121 ng
 RT: 21.27 min Scan# 2182
 Delta R.T. 0.00 min
 Lab File: BN007580.D
 Acq: 10 Sep 2019 17:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.6	32.4
229	24.4	15.7	23.5





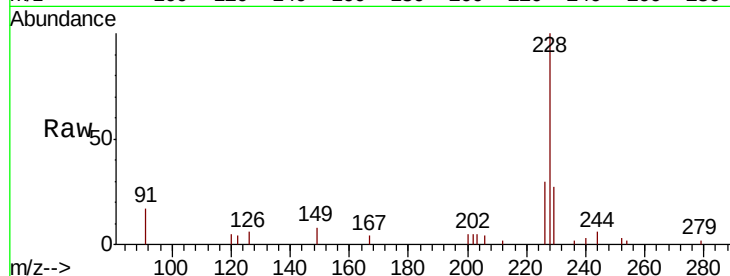
#31
Chrysene
Concen: 0.104 ng
RT: 21.32 min Scan# 2187
Delta R.T. 0.00 min
Lab File: BN007580.D
Acq: 10 Sep 2019 17:26

Instrument :
BNA_N
ClientSampleId :
GW801-8.0-13.0-090719

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	26.8	15.7	23.5

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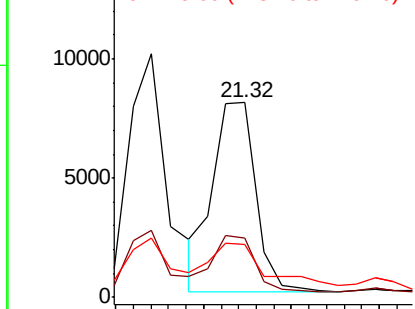


Abundance

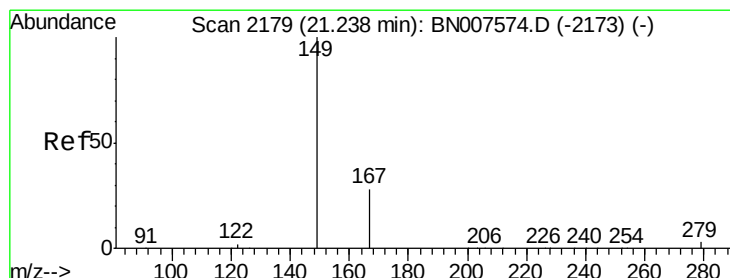
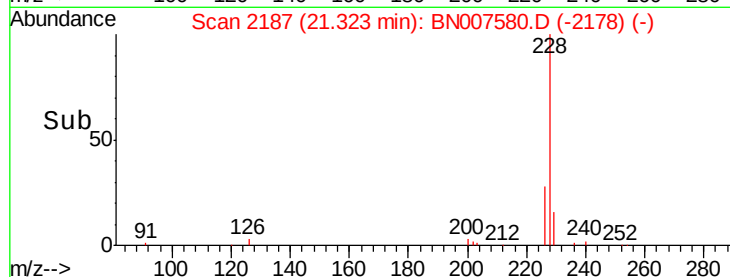
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

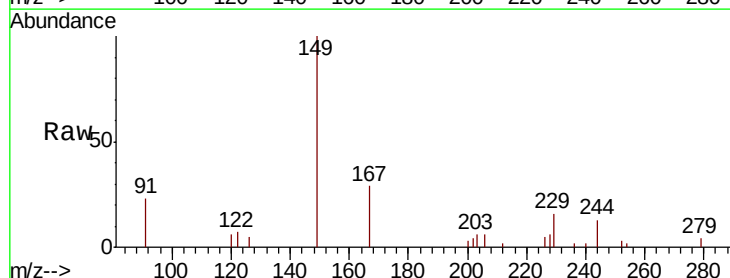


Time--> 21.25 21.30 21.35 21.40



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.158 ng
RT: 21.23 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BN007580.D
Acq: 10 Sep 2019 17:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.6	22.1	33.1
279	4.8	3.9	5.9

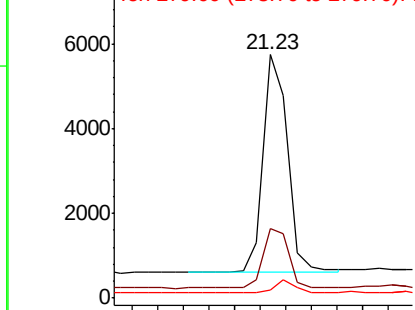


Abundance

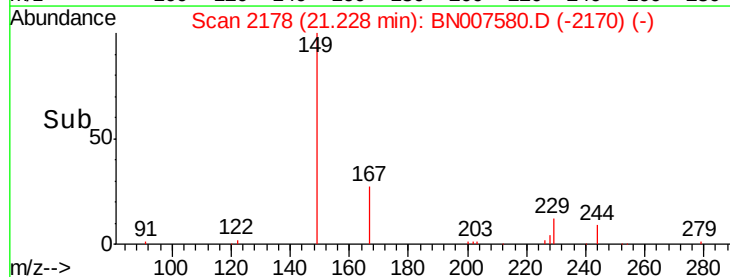
Ion 149.00 (148.70 to 149.70): E

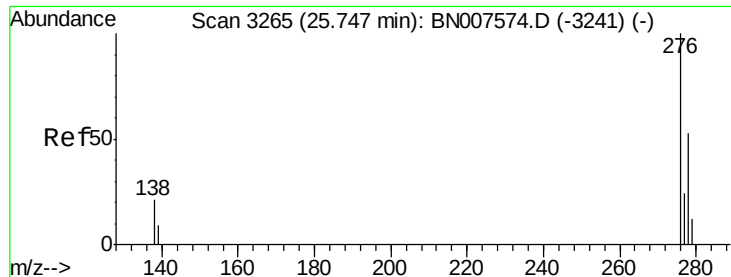
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 21.20 21.30





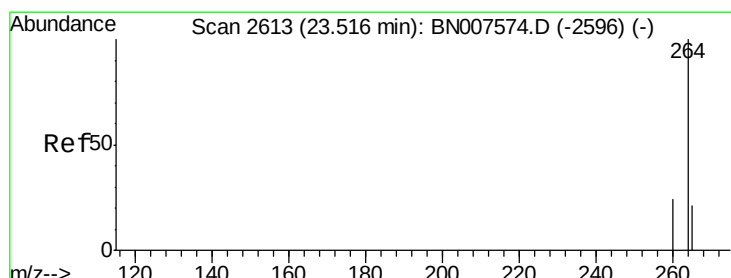
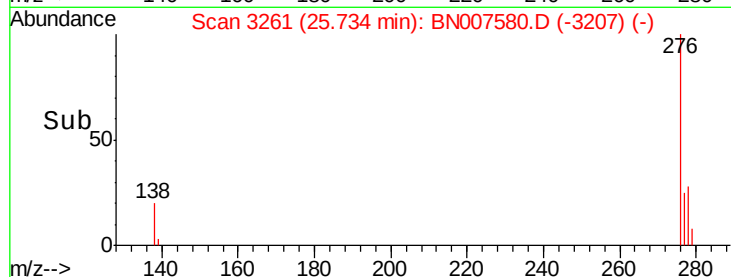
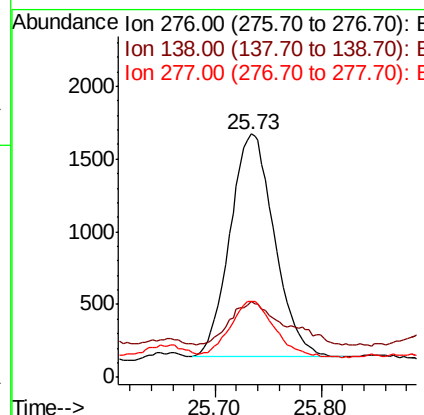
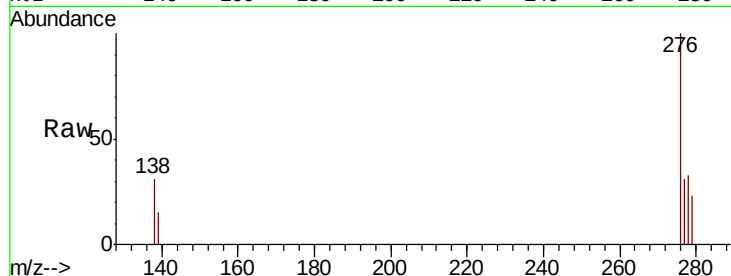
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.033 ng
 RT: 25.73 min Scan# 3261
 Delta R.T. -0.01 min
 Lab File: BN007580.D
 Acq: 10 Sep 2019 17:26

Instrument :
 BNA_N
 ClientSampleId :
 GW801-8.0-13.0-090719

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.7	0.0	0.0#
277	24.1	0.0	0.0#

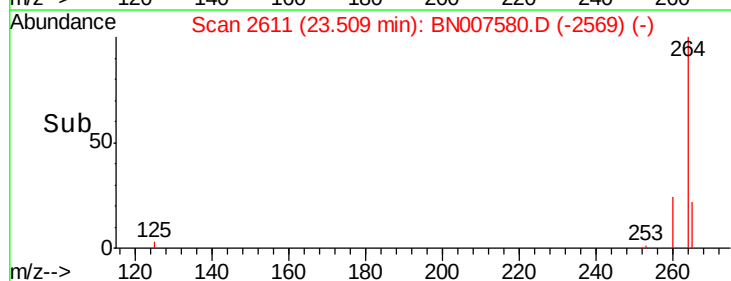
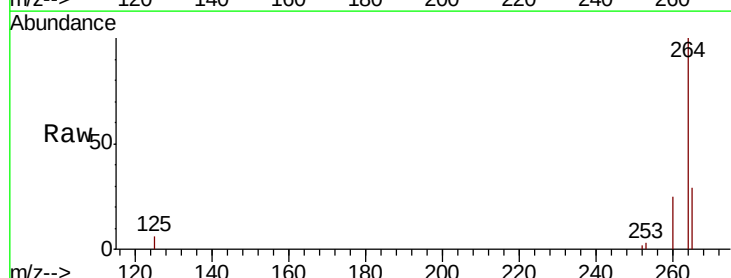
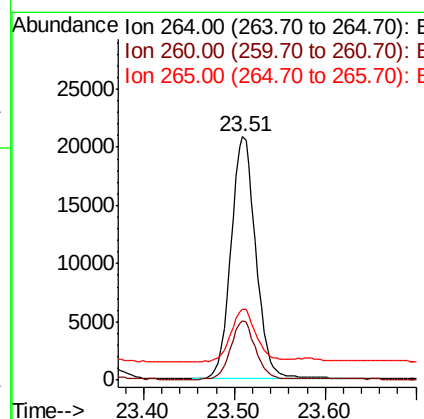
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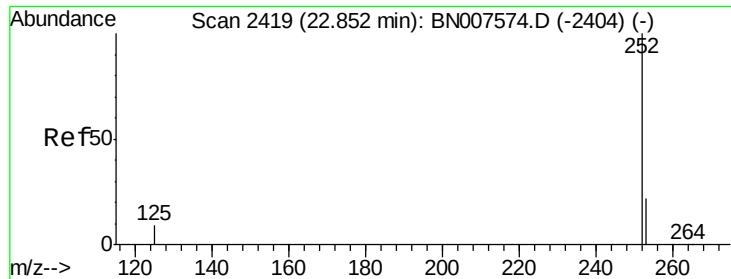
mohammad
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.51 min Scan# 2611
 Delta R.T. -0.01 min
 Lab File: BN007580.D
 Acq: 10 Sep 2019 17:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.3	28.9
265	29.0	25.6	38.4





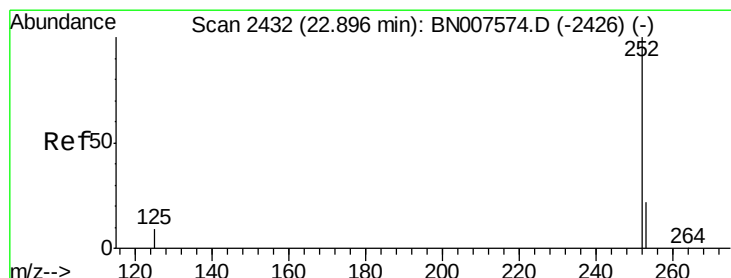
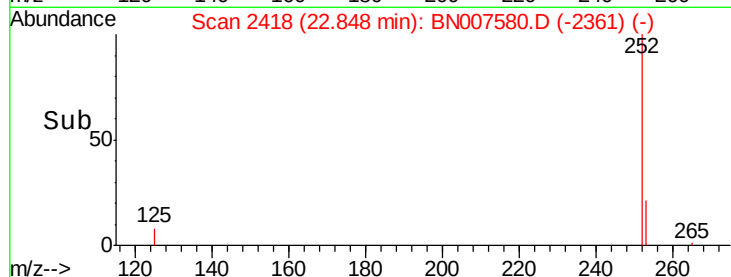
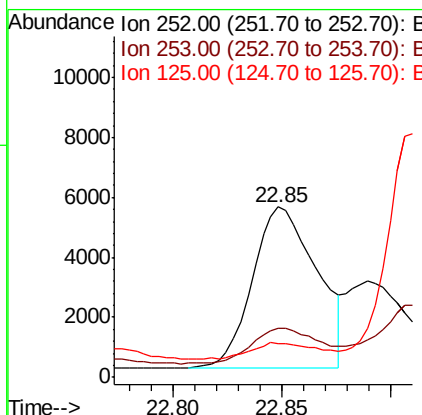
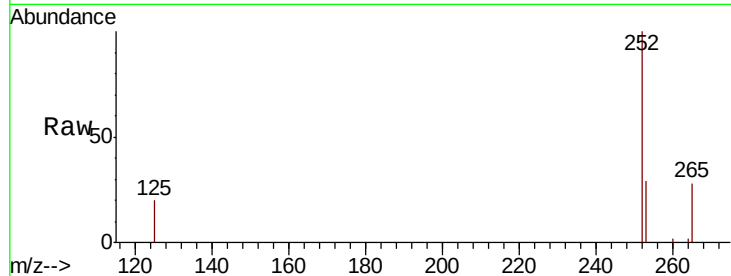
#35
Benzo(b)fluoranthene
Concen: 0.079 ng
RT: 22.85 min Scan# 2418
Delta R.T. -0.00 min
Lab File: BN007580.D
Acq: 10 Sep 2019 17:26

Instrument :
BNA_N
ClientSampleId :
GW801-8.0-13.0-090719

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.0	18.5	27.7#
125	19.5	8.2	12.2#

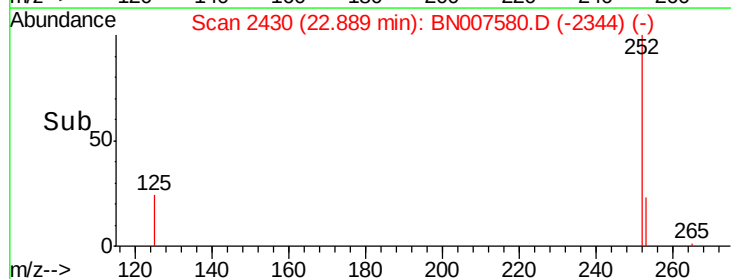
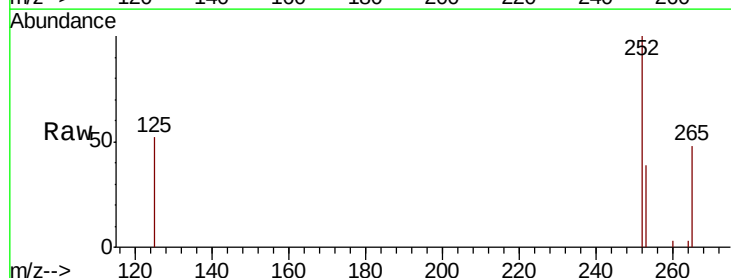
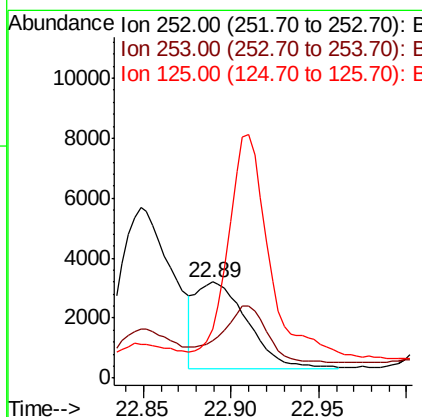
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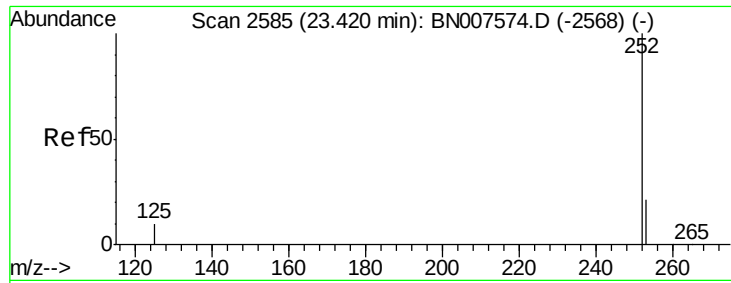
mohammad
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#36
Benzo(k)fluoranthene
Concen: 0.043 ng m
RT: 22.89 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN007580.D
Acq: 10 Sep 2019 17:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.1	18.4	27.6#
125	51.5	8.2	12.2#





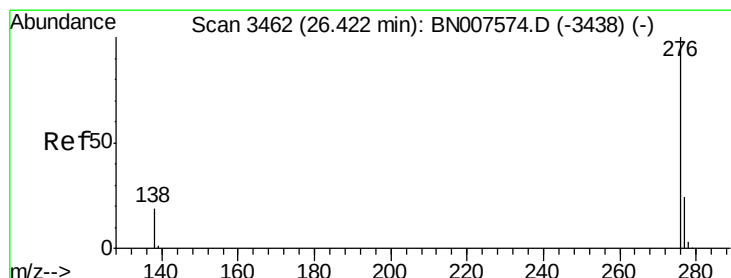
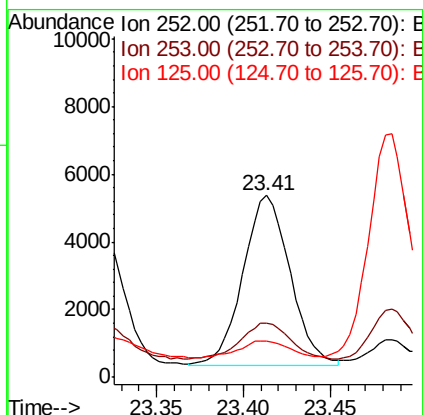
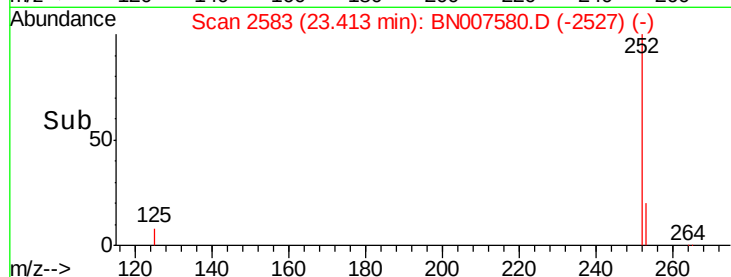
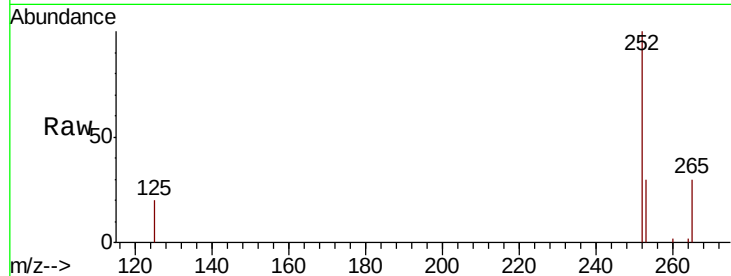
#37
Benzo(a)pyrene
Concen: 0.075 ng
RT: 23.41 min Scan# 2583
Delta R.T. -0.01 min
Lab File: BN007580.D
Acq: 10 Sep 2019 17:26

Instrument :
BNA_N
ClientSampleId :
GW801-8.0-13.0-090719

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.2	18.6	28.0#
125	20.1	9.2	13.8#

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#39
Benzo(g,h,i)perylene
Concen: 0.040 ng
RT: 26.41 min Scan# 3458
Delta R.T. -0.01 min
Lab File: BN007580.D
Acq: 10 Sep 2019 17:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.6	19.7	29.5#
138	29.9	15.9	23.9#

