

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
 Data File : BN007386.D
 Acq On : 25 Aug 2019 06:06
 Operator : HP/JU
 Sample : K4468-01 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-015-SW085-080119-2

Manual Integrations
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 8/31/2019 2:40:37 PM

Quant Time: Aug 26 04:59:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 24 00:38:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	7912	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	32014	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	16522	0.40	ng	-0.01
19) Phenanthrene-d10	16.80	188	33638	0.40	ng	0.00
27) Chrysene-d12	21.02	240	34411	0.40	ng	0.00
34) Perylene-d12	23.12	264	39119	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	531	-0.01	ng	0.00
5) Phenol-d6	6.59	99	634	-0.01	ng	0.00
8) Nitrobenzene-d5	8.53	82	512	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	980	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	169	0.02	ng	-0.01
15) 2-Fluorobiphenyl	12.66	172	1257	0.02	ng	0.00
25) Fluoranthene-d10	18.84	212	2669	0.02	ng	0.00
29) Terphenyl-d14	19.46	244	2800	0.03	ng	0.00

Target Compounds				Qvalue		
9) Naphthalene	10.20	128	20364	0.223	ng	# 91
12) 2-Methylnaphthalene	11.83	142	17703	0.284	ng	98
16) Acenaphthylene	13.76	152	298403	3.053	ng	99
17) Acenaphthene	14.11	154	19014	0.332	ng	97
18) Fluorene	15.10	166	61787	0.854	ng	# 12
23) Phenanthrene	16.83	178	1094577	10.818	ng	99
24) Anthracene	16.93	178	228968	2.250	ng	99
26) Fluoranthene	18.87	202	1318308	10.148	ng	98
28) Pyrene	19.24	202	2025713	14.634	ng	97
30) Benzo(a)anthracene	21.00	228	863135m	6.387	ng	
31) Chrysene	21.05	228	1053881	8.079	ng	98
33) Indeno(1,2,3-cd)pyrene	25.18	276	450125	2.865	ng	98
35) Benzo(b)fluoranthene	22.50	252	859320m	6.063	ng	
36) Benzo(k)fluoranthene	22.54	252	274318m	1.958	ng	
37) Benzo(a)pyrene	23.03	252	734185m	5.443	ng	
38) Dibenzo(a,h)anthracene	25.19	278	135696	1.008	ng	# 90
39) Benzo(a,h,i)perylene	25.81	276	523149	3.901	ng	97

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

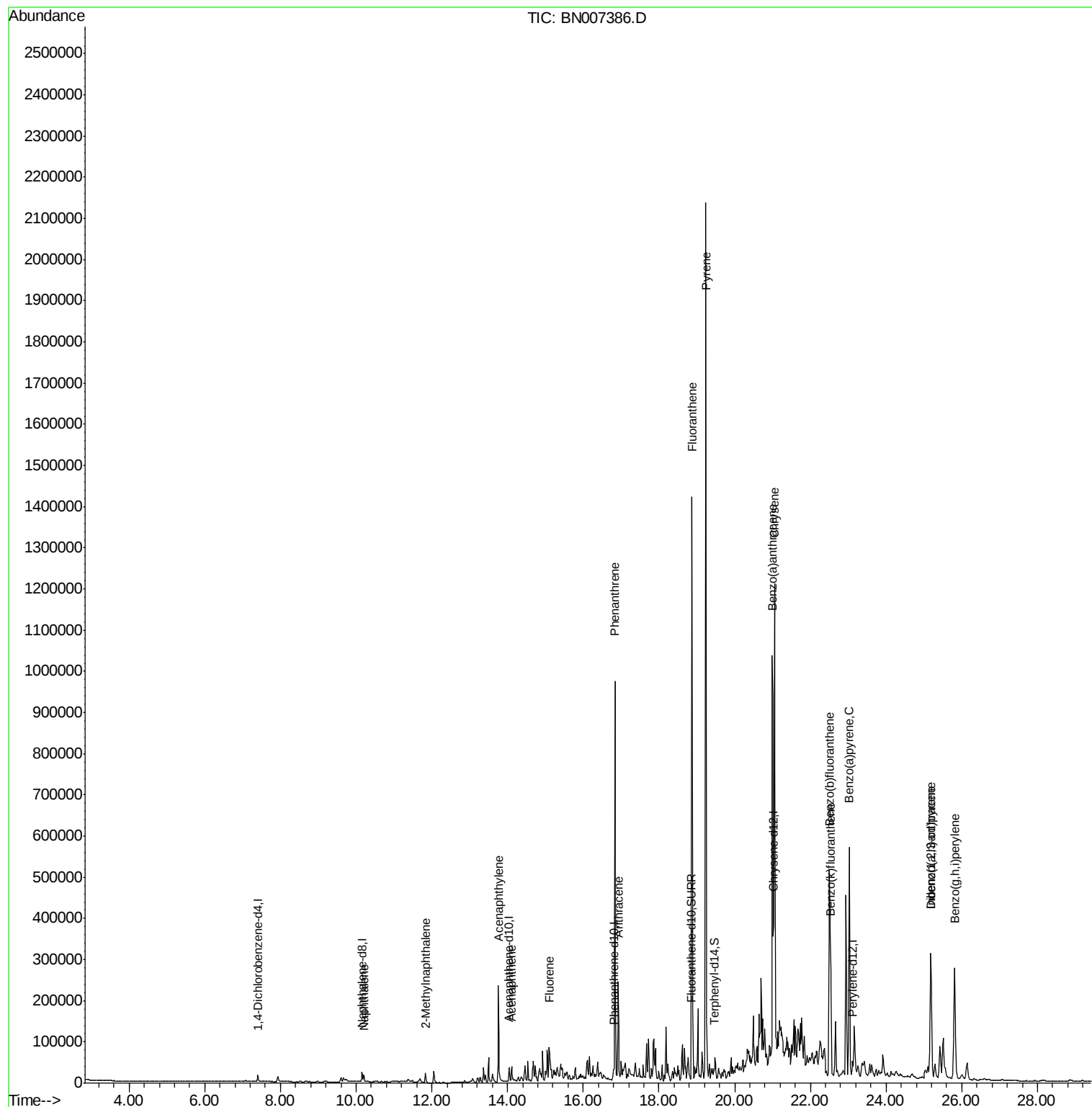
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082419\
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ALS Vial : 27 Sample Multiplier: 1

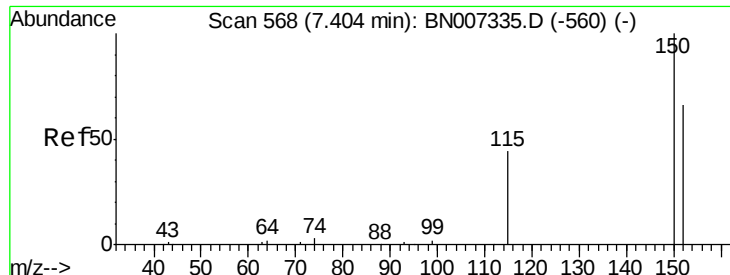
Instrument :
BNA_N
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EXT-015-SW085-080119-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 24 00:38:17 2019
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#1

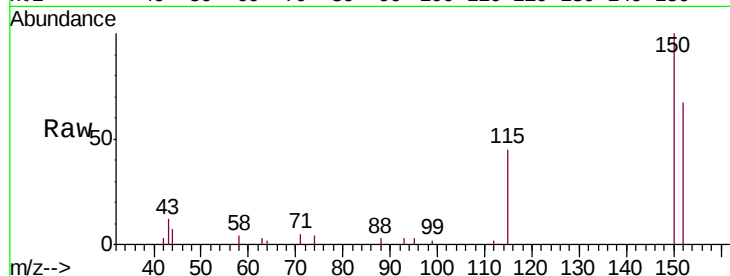
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.8	109.1	163.7
115	66.4	59.6	89.4

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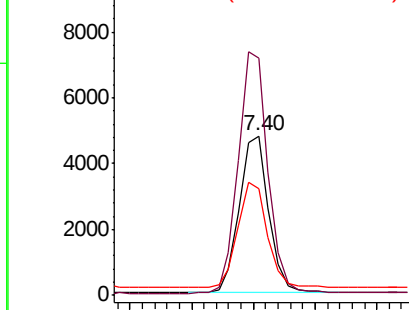


Abundance

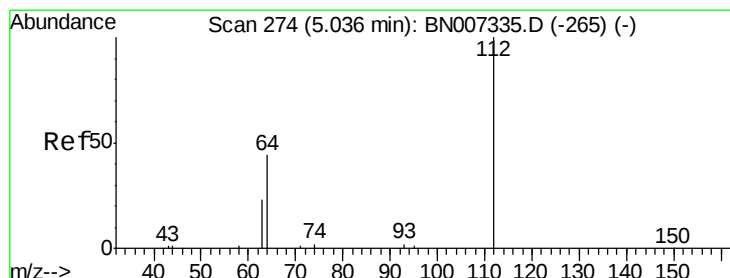
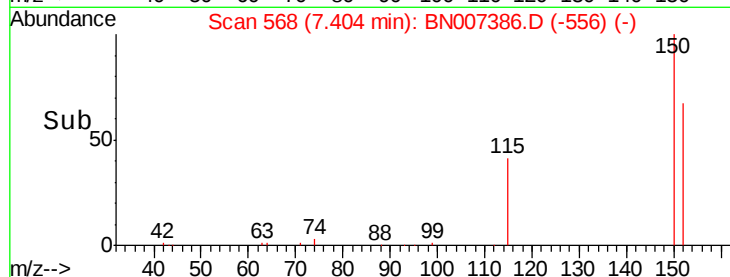
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



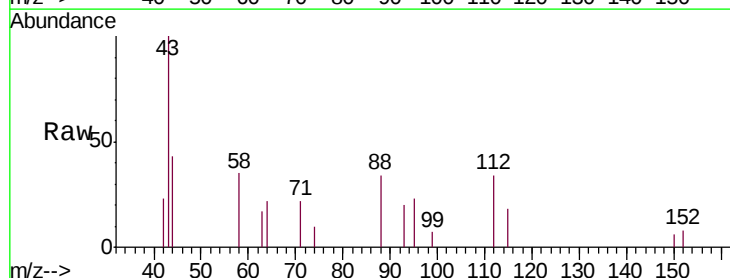
Time-->



#4

2-Fluorophenol
Concen: -0.009 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.0	42.3	63.5
63	26.0	23.6	35.4

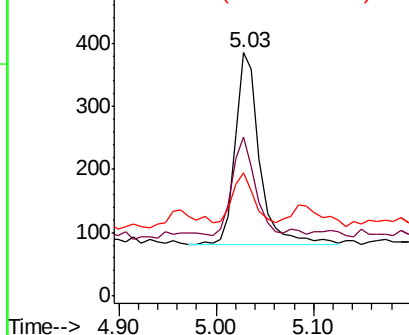


Abundance

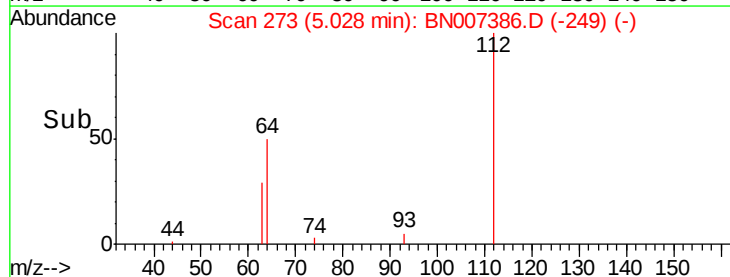
Ion 112.00 (111.70 to 112.70): E

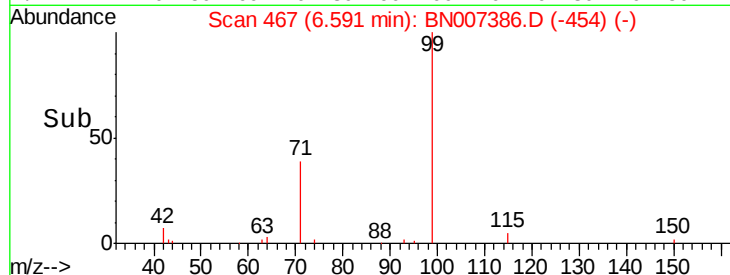
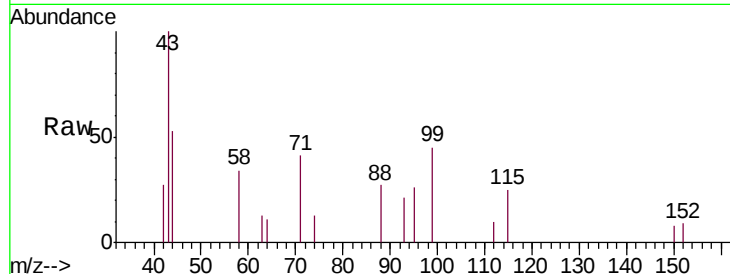
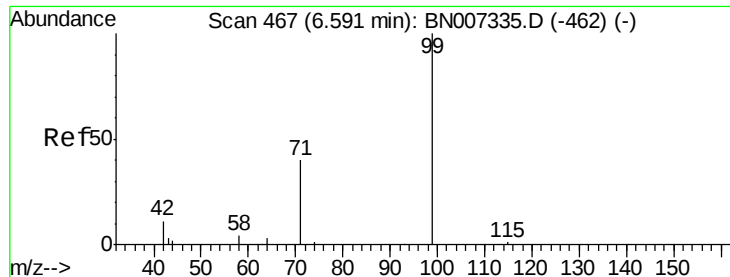
Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



Time-->





#5

Phenol-d6

Concen: -0.013 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Tot Ion:	99	Resp:	634
Ion	Ratio	Lower	Upper
99	100		
42	9.1	11.2	16.8#
71	39.6	31.8	47.8

Instrument :

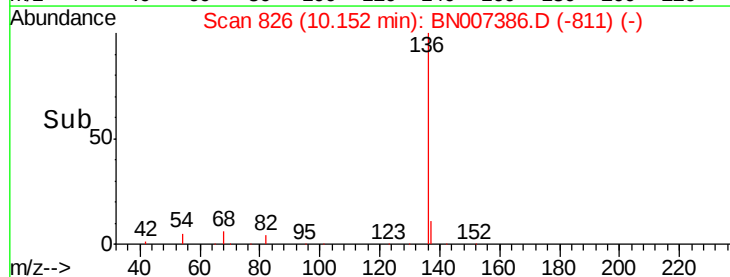
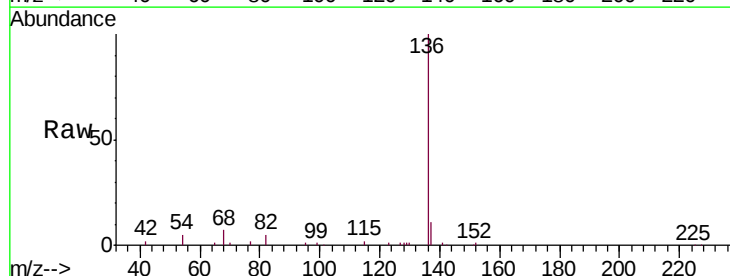
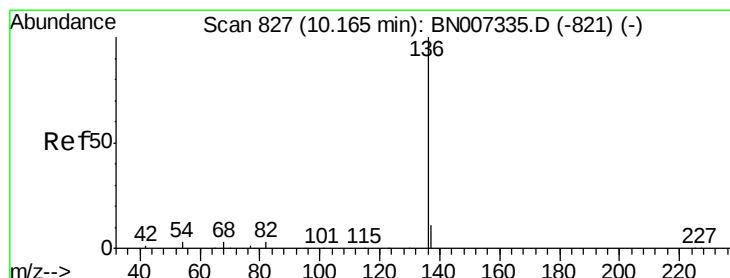
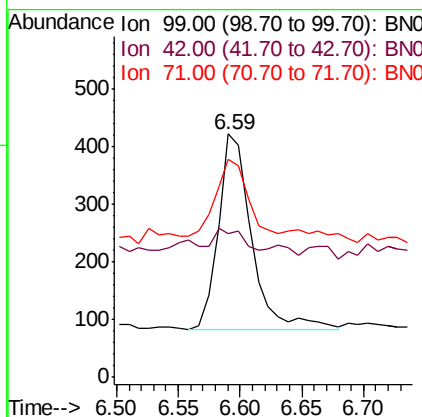
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

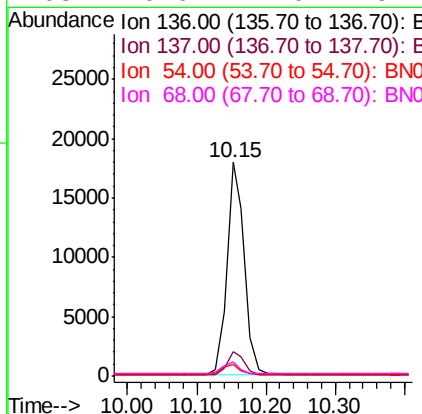
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Tgt Ion:	136	Resp:	32014
Ion	Ratio	Lower	Upper
136	100		
137	11.2	12.9	19.3#
54	5.3	8.6	12.8#
68	6.6	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.018 ng

RT: 8.53 min Scan# 698

Delta R.T. -0.00 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Instrument :

BNA_N

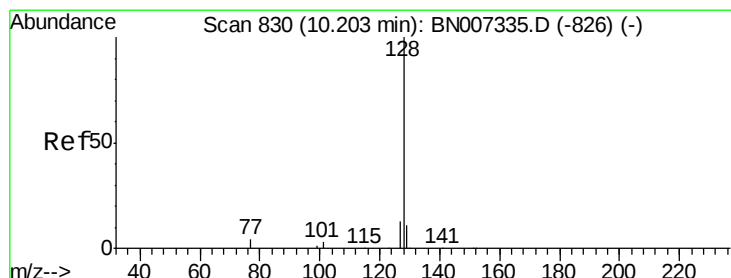
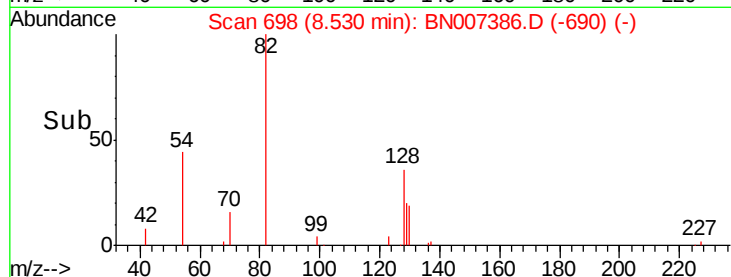
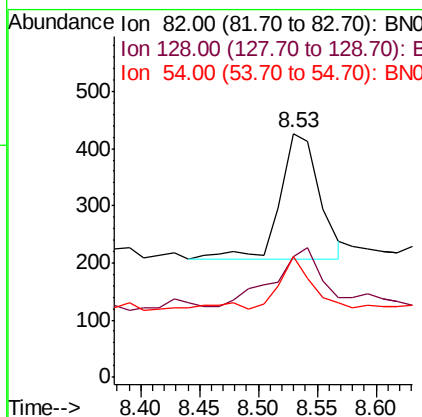
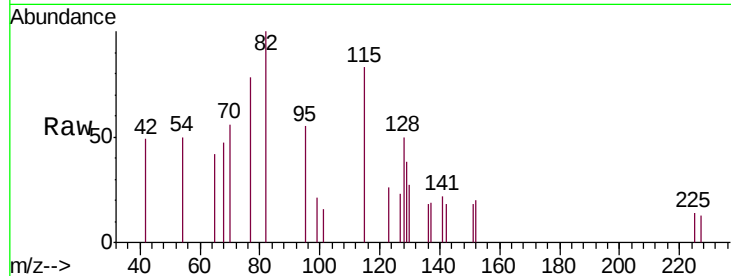
ClientSampleId :

EXT-015-SW085-080119-2

Tot Ion:	82	Resp:	512
Ion	Ratio	Lower	Upper
82	100		
128	49.8	19.7	29.5#
54	49.8	25.8	38.6#

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#9

Naphthalene

Concen: 0.223 ng

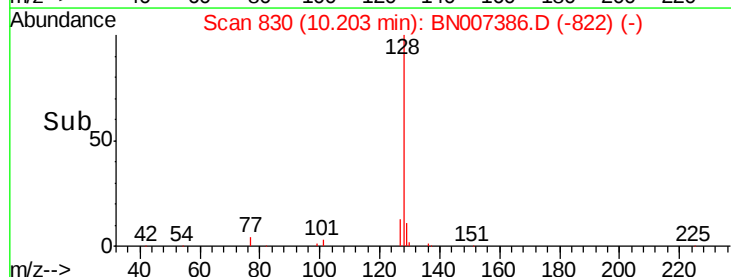
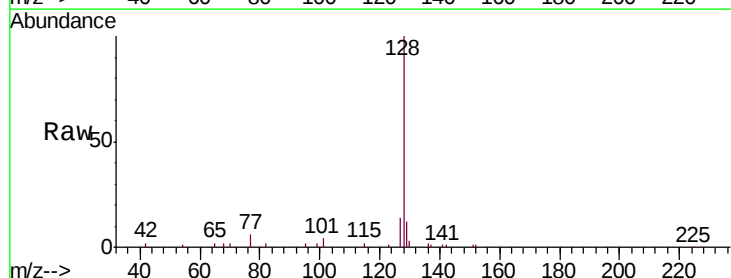
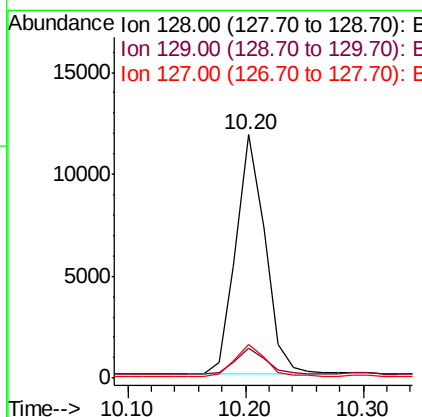
RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Tgt Ion:	128	Resp:	20364
Ion	Ratio	Lower	Upper
128	100		
129	12.2	11.1	16.7
127	13.9	15.5	23.3#





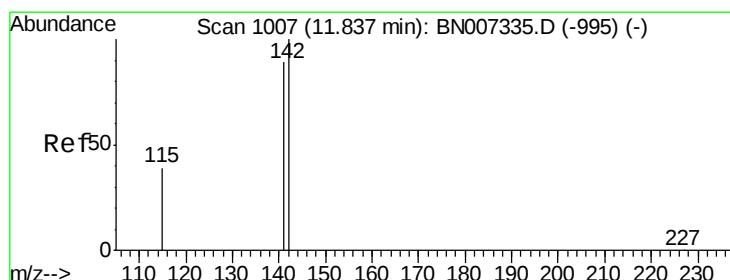
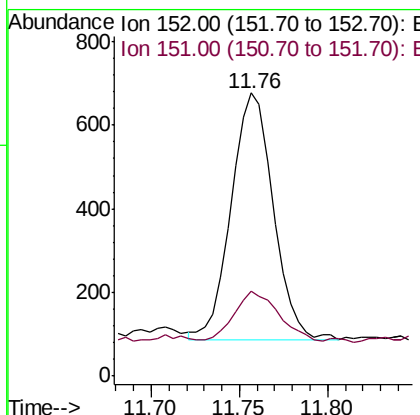
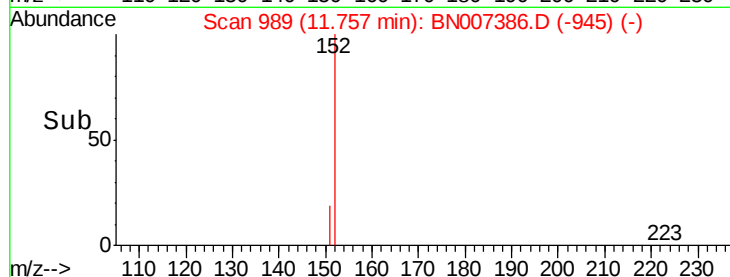
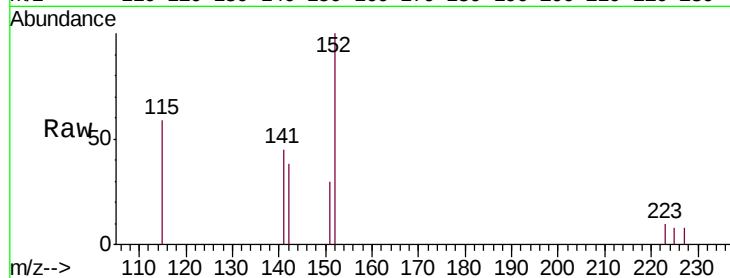
#11
2-Methylnaphthalene-d10
Concen: 0.018 ng
RT: 11.76 min Scan# 989
Delta R.T. -0.00 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-2

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.2	24.2

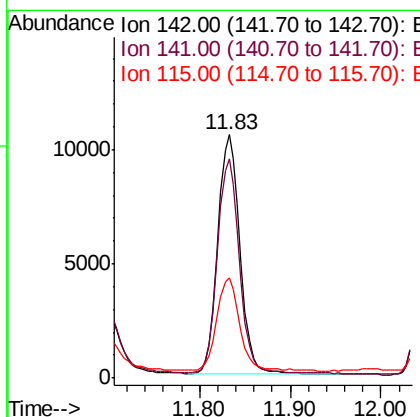
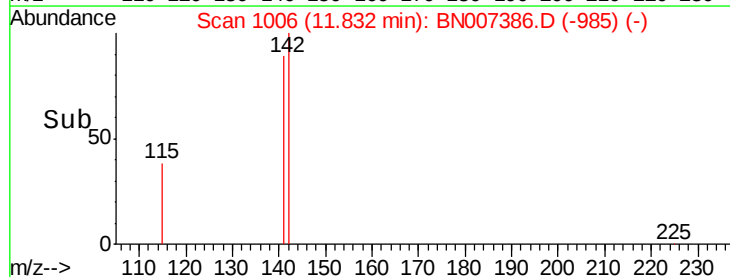
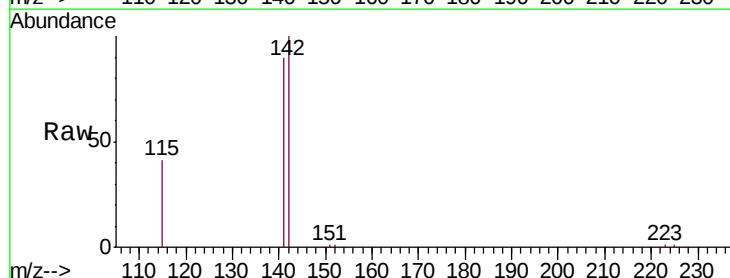
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#12
2-Methylnaphthalene
Concen: 0.284 ng
RT: 11.83 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.8	109.2
115	41.1	35.2	52.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.04 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Instrument :

BNA_N

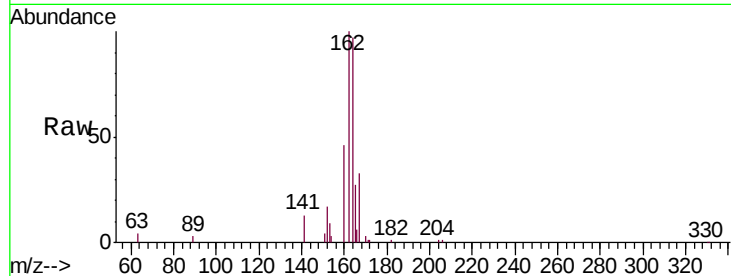
ClientSampleId :

EXT-015-SW085-080119-2

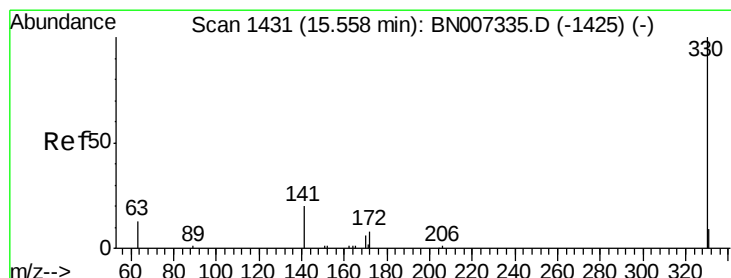
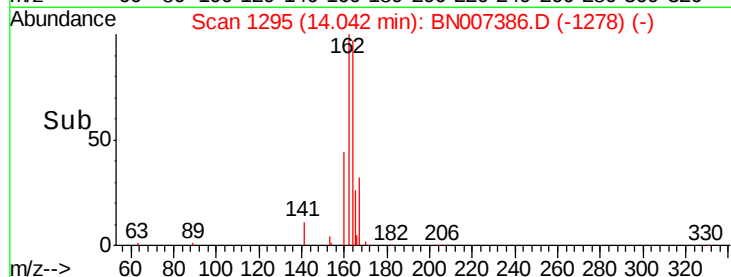
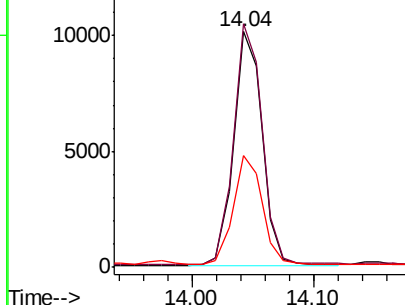
Tot Ion:	164	Resp:	16522
Ion Ratio	Lower	Upper	
164	100		
162	103.3	83.5	125.3
160	47.3	38.2	57.4

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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: 0.020 ng

RT: 15.55 min Scan# 1430

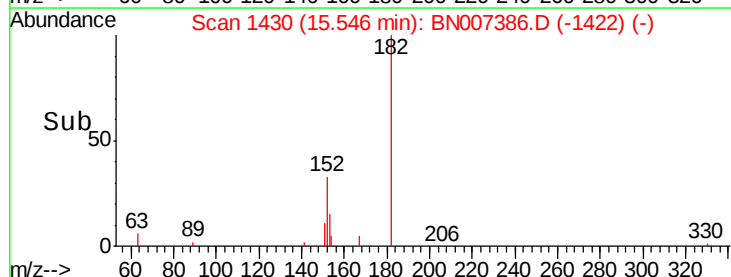
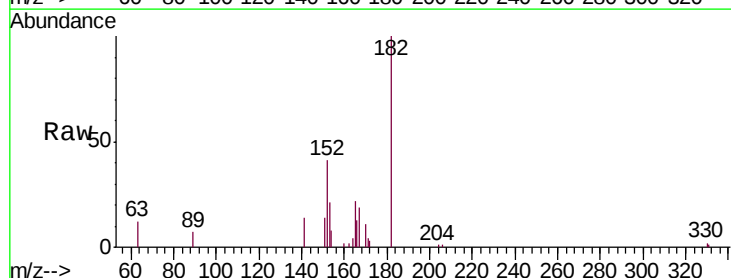
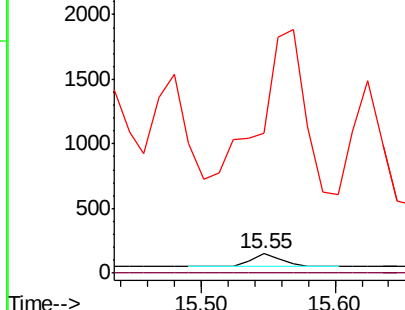
Delta R.T. -0.01 min

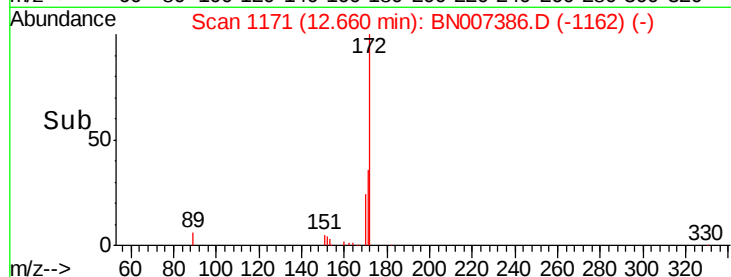
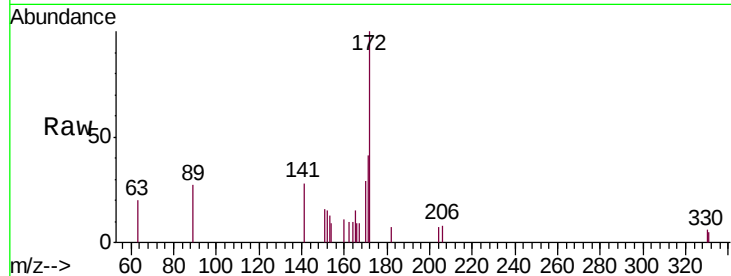
Lab File: BN007386.D

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Tgt Ion:	330	Resp:	169
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	0.0	26.9	40.3#

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





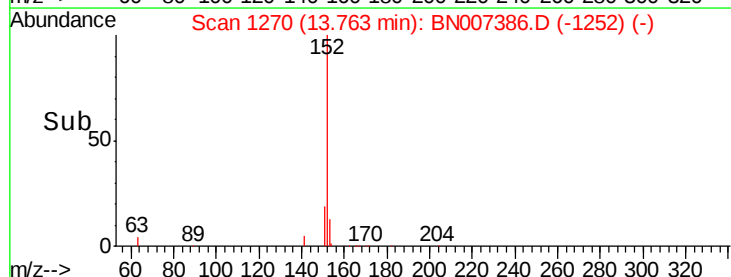
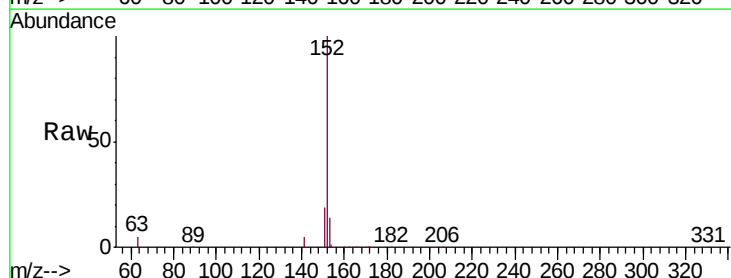
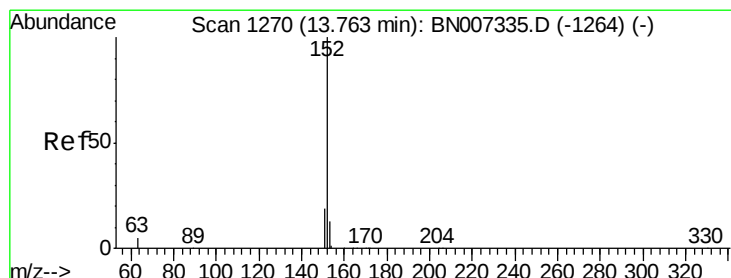
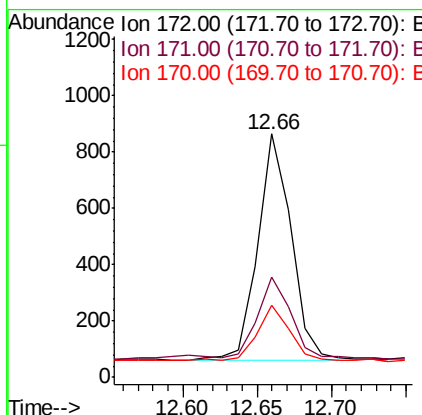
#15
2-Fluorobiphenyl
Concen: 0.019 ng
RT: 12.66 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-2

Tot Ion:	172	Resp:	1257
Ion Ratio	Lower	Upper	
172	100		
171	41.2	30.3	45.5
170	29.4	20.7	31.1

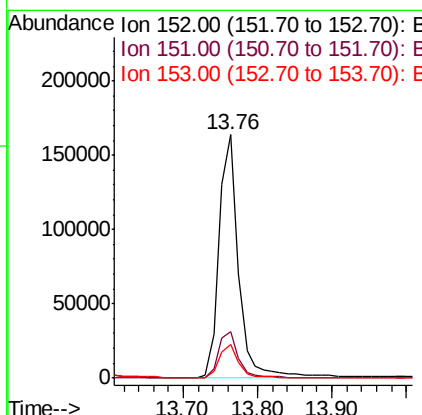
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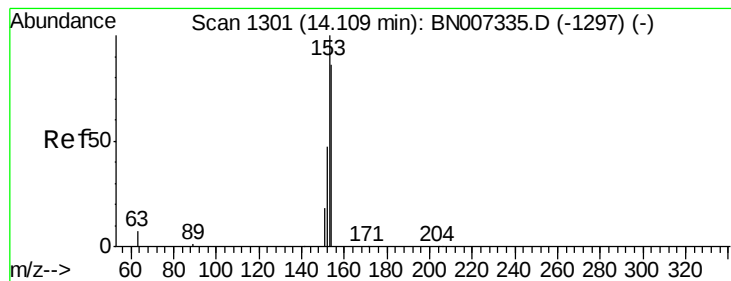
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#16
Acenaphthylene
Concen: 3.053 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.00 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Tgt Ion:	152	Resp:	298403
Ion Ratio	Lower	Upper	
152	100		
151	19.6	16.1	24.1
153	13.7	10.6	15.8





#17

Acenaphthene

Concen: 0.332 ng

RT: 14.11 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Instrument :

BNA_N

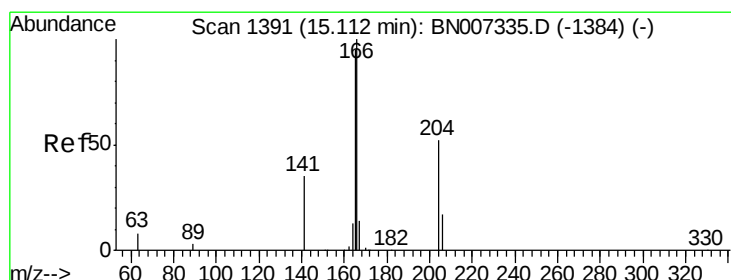
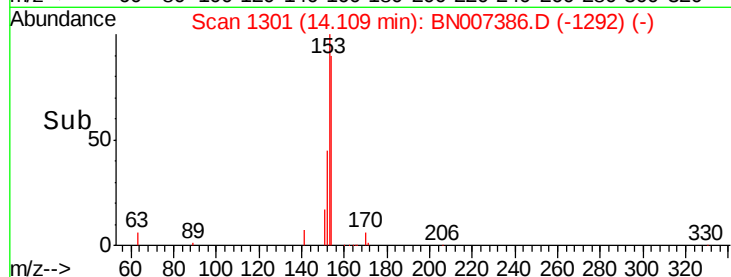
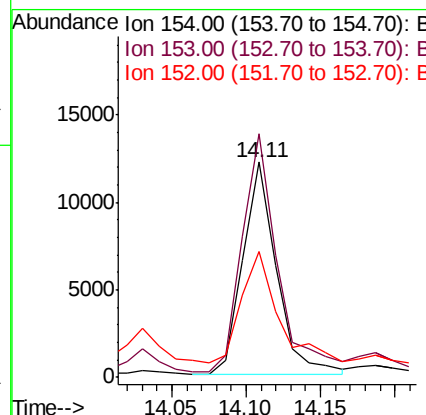
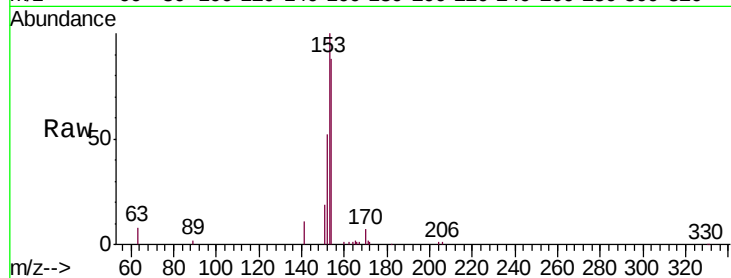
ClientSampleId :

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Tot Ion:	154	Resp:	19014
Ion Ratio	Lower	Upper	
154	100		
153	118.0	92.8	139.2
152	58.5	43.8	65.8

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#18

Fluorene

Concen: 0.854 ng

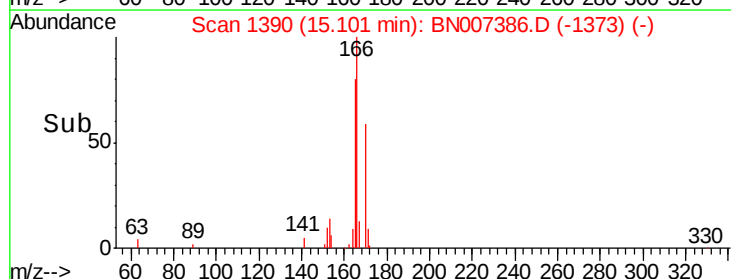
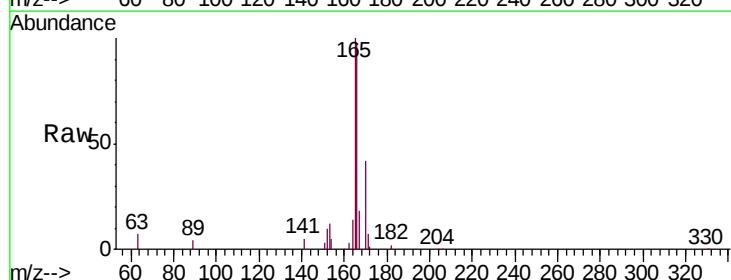
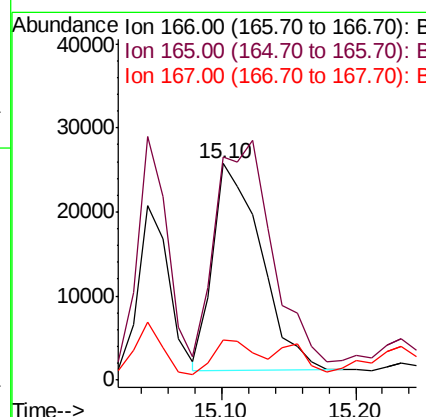
RT: 15.10 min Scan# 1390

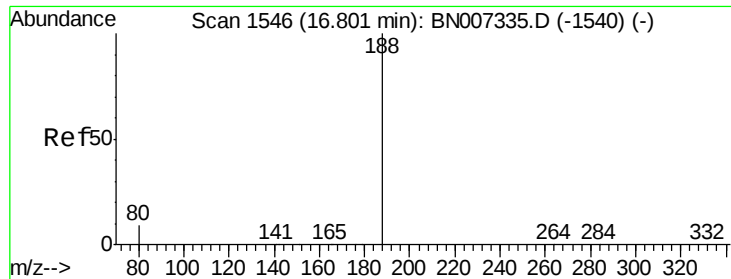
Delta R.T. -0.01 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Tgt Ion:	166	Resp:	61787
Ion Ratio	Lower	Upper	
166	100		
165	0.0	79.0	118.4#
167	15.1	10.6	15.8





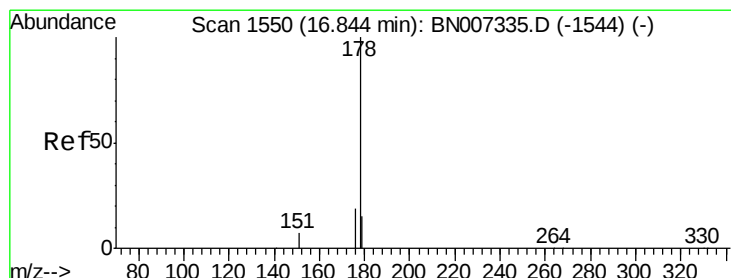
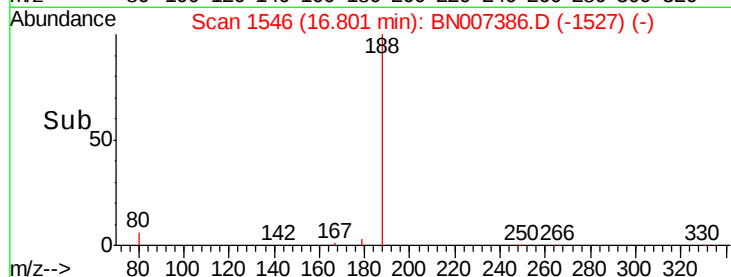
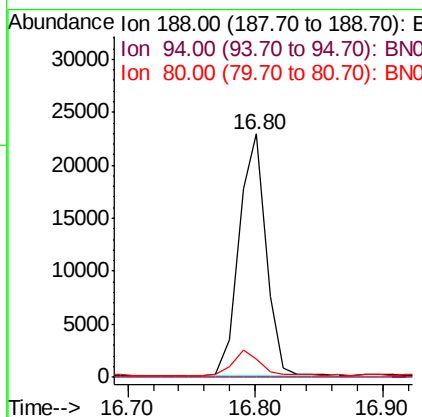
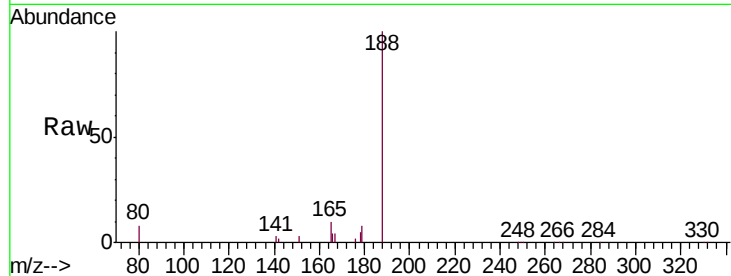
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1546
Delta R.T. -0.00 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-2

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.6	11.8	17.8

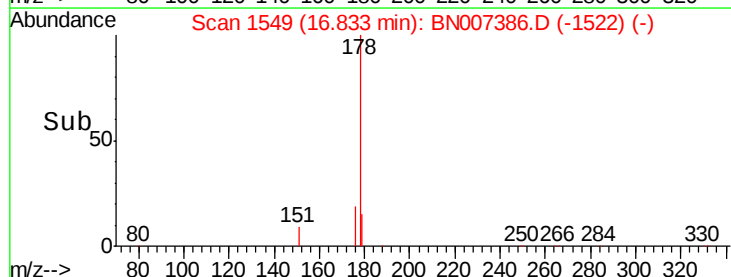
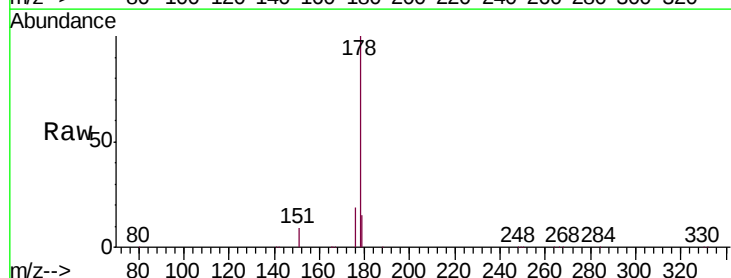
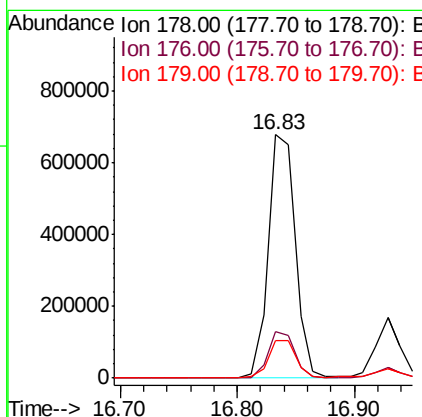
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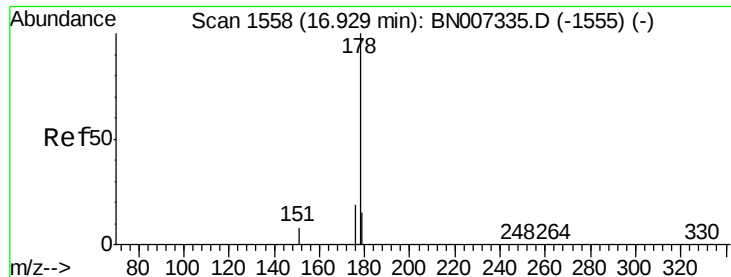
mohammad
8/31/2019 2:40:37 PM



#23
Phenanthrene
Concen: 10.818 ng
RT: 16.83 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.7	12.6	19.0





#24

Anthracene

Concen: 2.250 ng

RT: 16.93 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Instrument :

BNA_N

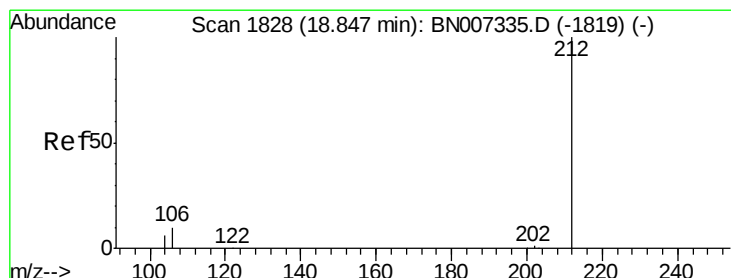
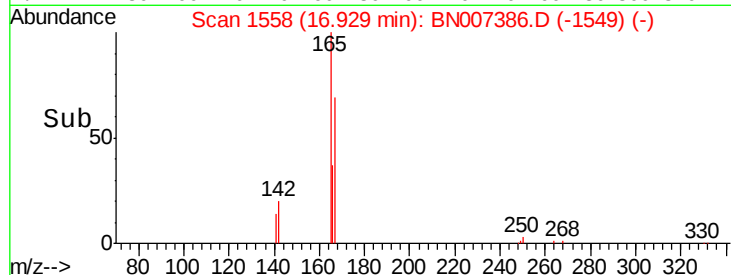
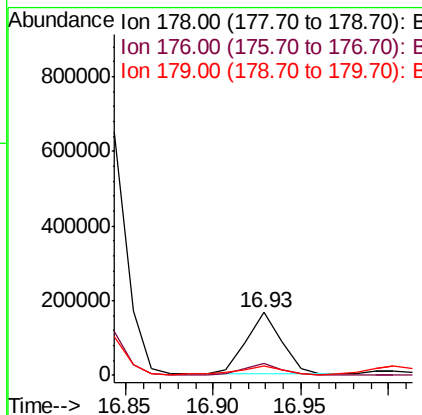
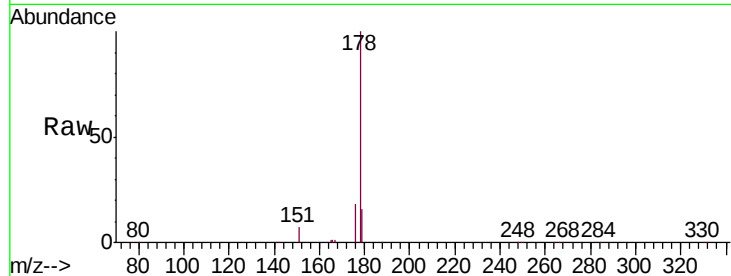
ClientSampleId :

EXT-015-SW085-080119-2

Tot Ion:	178	Resp:	228968
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.9	22.3
179	16.4	12.4	18.6

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#25

Fluoranthene-d10

Concen: 0.025 ng

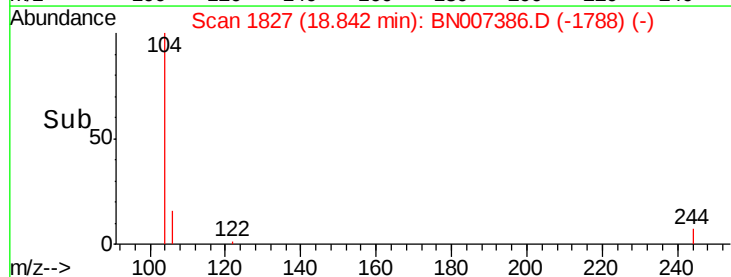
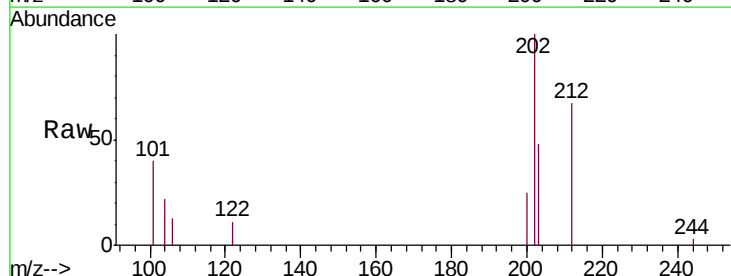
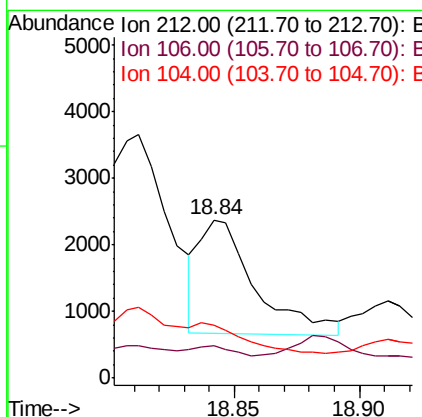
RT: 18.84 min Scan# 1827

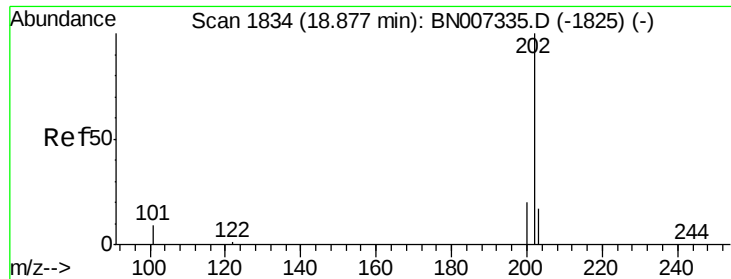
Delta R.T. -0.00 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Tgt Ion:	212	Resp:	2669
Ion Ratio	Lower	Upper	
212	100		
106	7.3	9.0	13.4#
104	0.0	5.4	8.2#





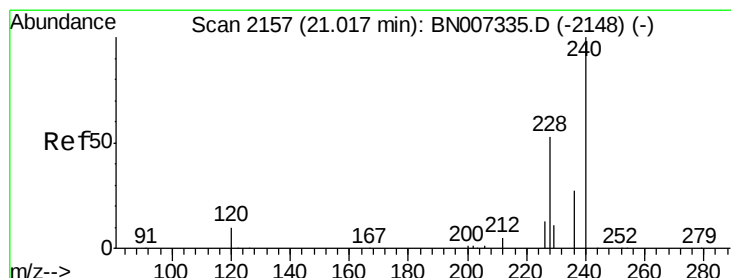
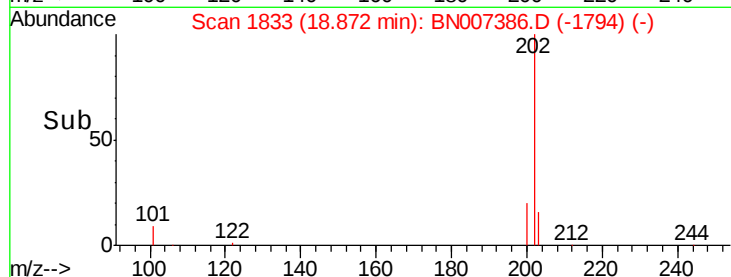
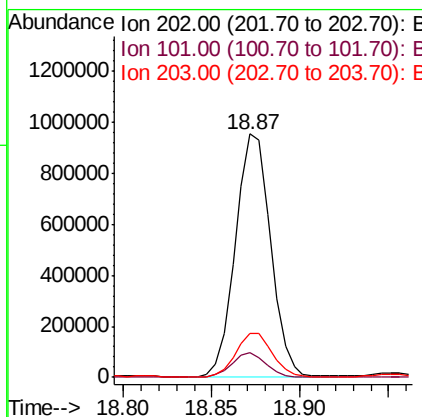
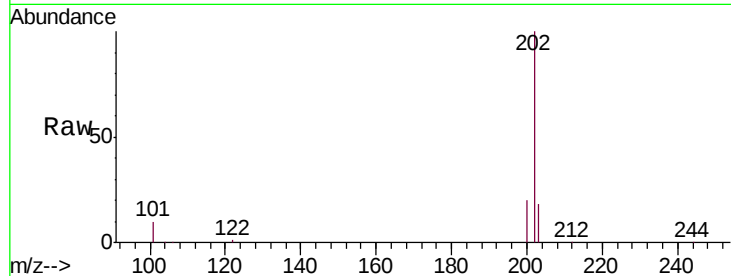
#26
Fluoranthene
Concen: 10.148 ng
RT: 18.87 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-2

Tot Ion:202 Resp: 1318308
Ion Ratio Lower Upper
202 100
101 9.7 7.7 11.5
203 18.3 13.7 20.5

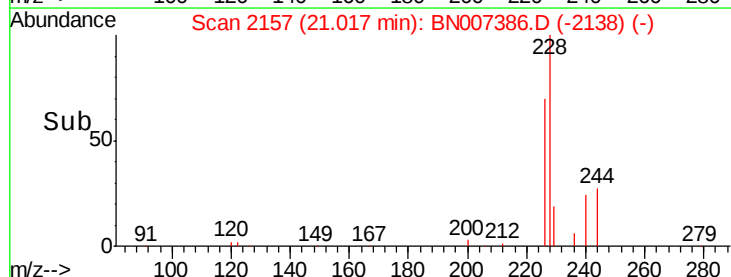
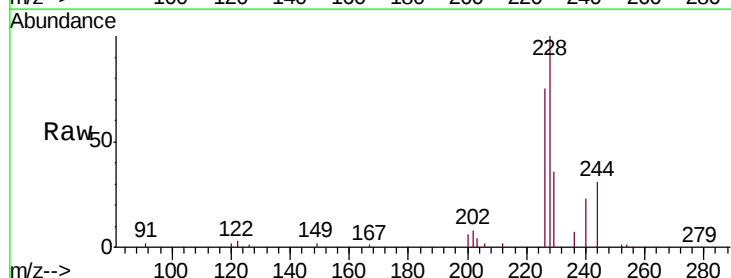
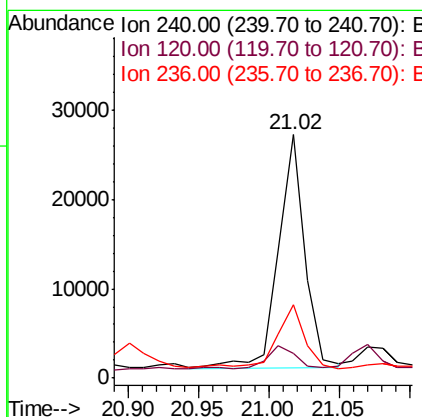
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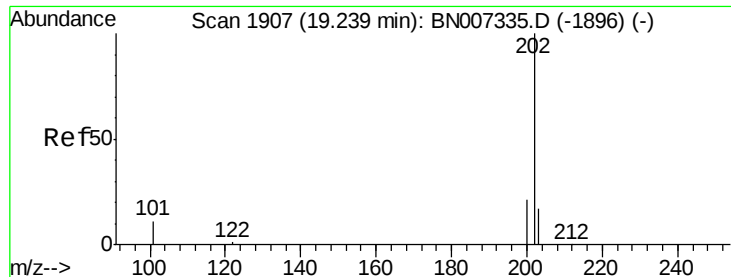
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.02 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Tgt Ion:240 Resp: 34411
Ion Ratio Lower Upper
240 100
120 10.0 9.6 14.4
236 29.9 22.2 33.2





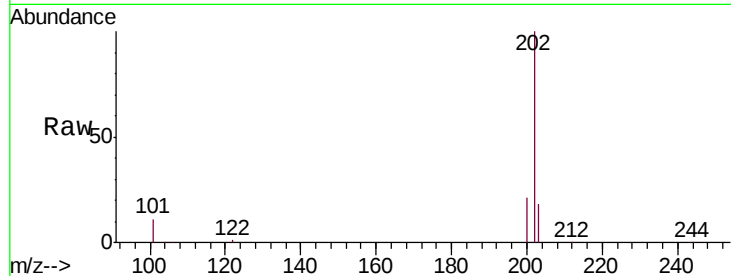
#28
Pvrene
Concen: 14.634 ng
RT: 19.24 min Scan# 1907
Delta R.T. -0.00 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-2

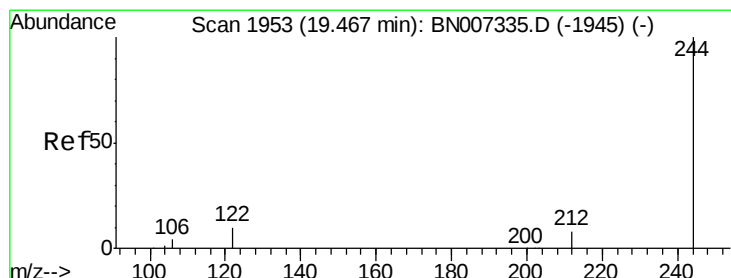
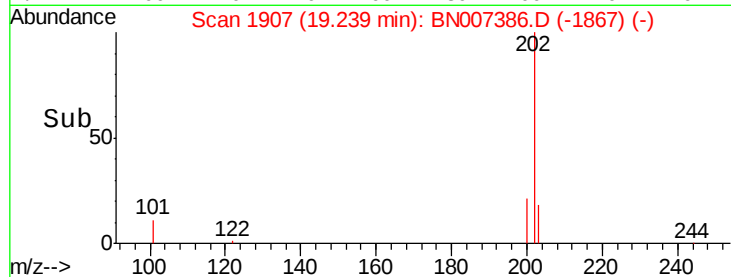
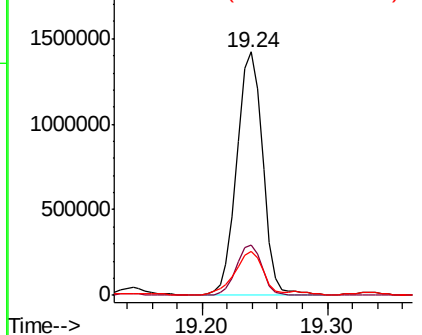
Tot Ion:202 Resp: 2025713
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 20.7 14.2 21.4

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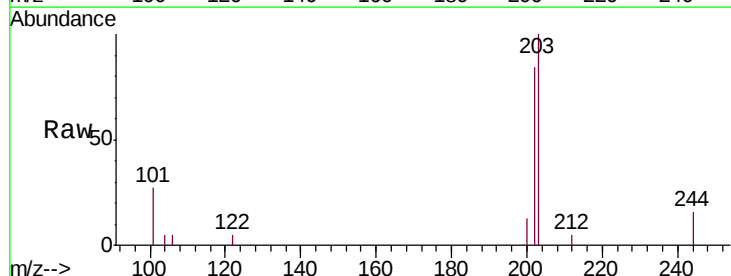


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

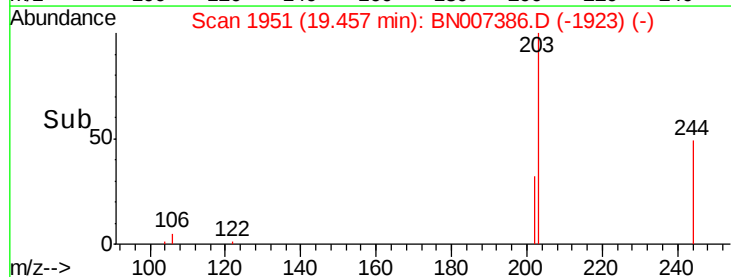
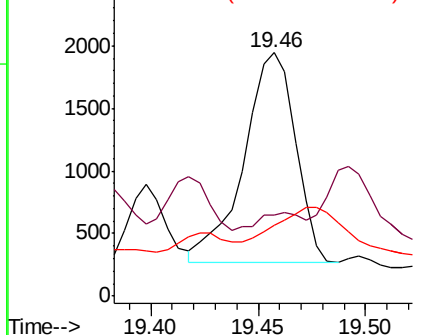


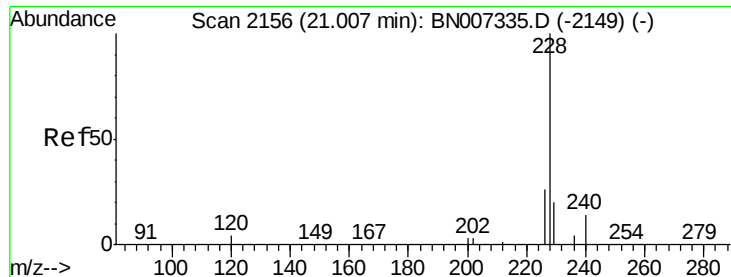
#29
Terphenyl-d14
Concen: 0.031 ng
RT: 19.46 min Scan# 1951
Delta R.T. -0.01 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Tgt Ion:244 Resp: 2800
Ion Ratio Lower Upper
244 100
212 33.6 7.0 10.6#
122 29.2 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





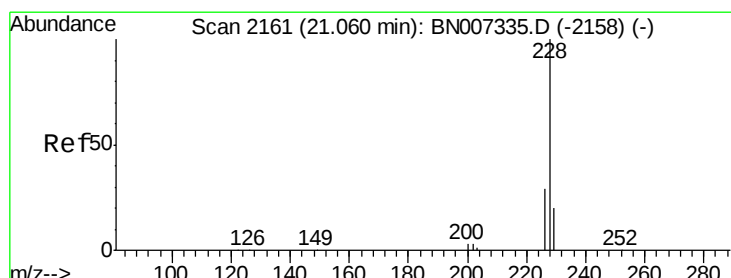
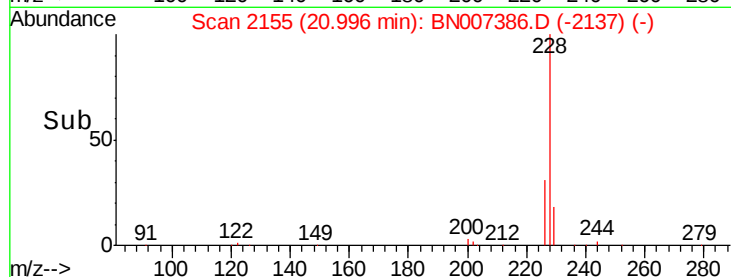
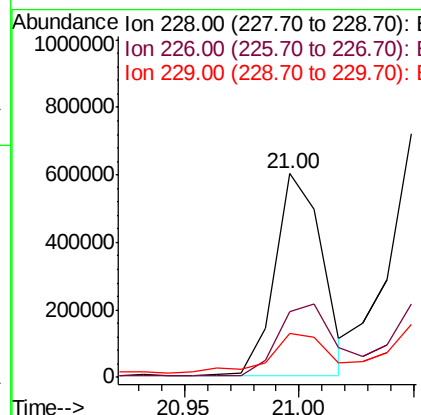
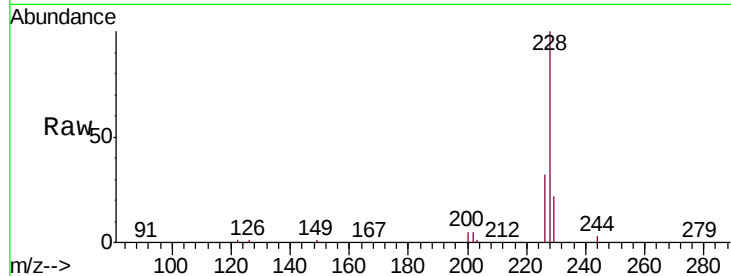
#30
Benzo(a)anthracene
Concen: 6.387 ng m
RT: 21.00 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	21.3	31.9#
229	21.8	16.1	24.1

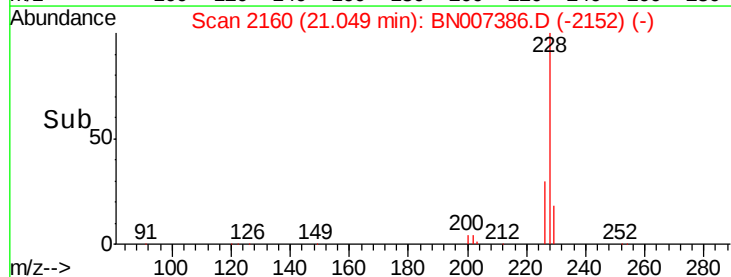
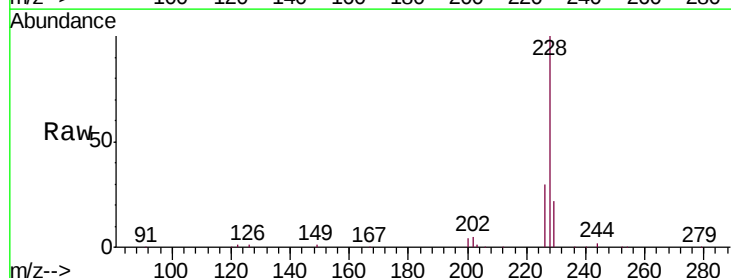
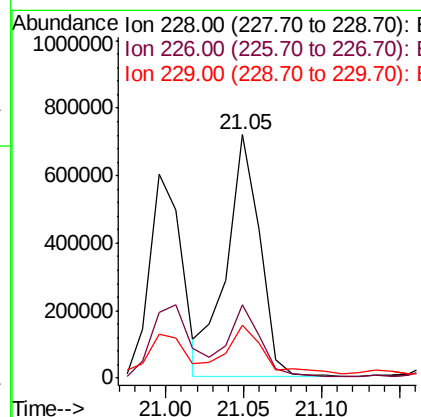
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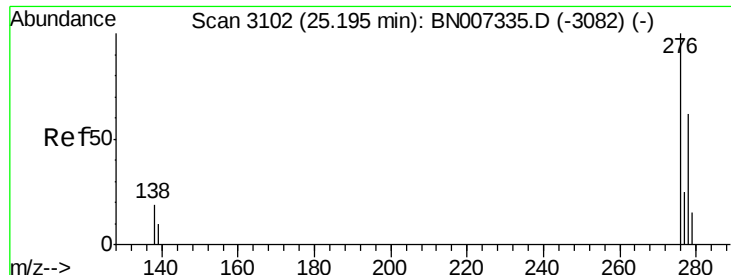
mohammad
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#31
Chrysene
Concen: 8.079 ng
RT: 21.05 min Scan# 2160
Delta R.T. -0.01 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.5	35.3
229	22.0	16.6	24.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 2.865 ng

RT: 25.18 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Instrument :

BNA_N

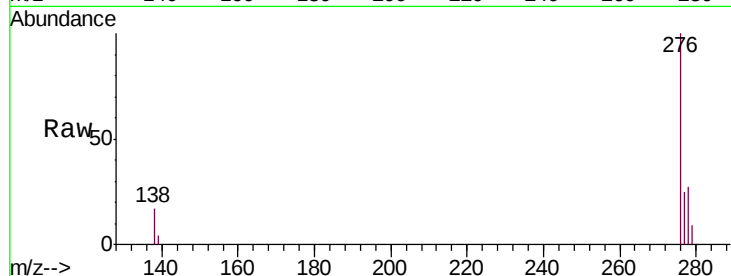
ClientSampleId :

EXT-015-SW085-080119-2

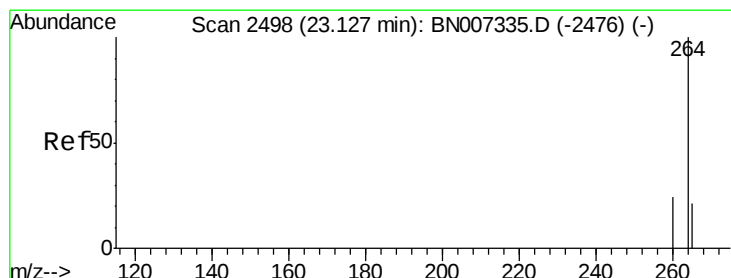
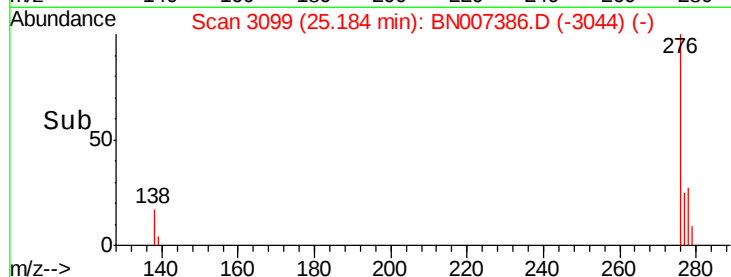
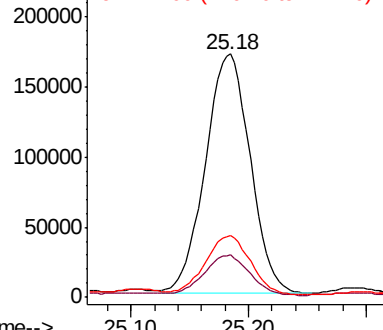
Tot Ion:	276	Resp:	450125
Ion Ratio	Lower	Upper	
276	100		
138	17.1	15.1	22.7
277	25.0	19.7	29.5

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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

Perylene-d12

Concen: 0.400 ng

RT: 23.12 min Scan# 2496

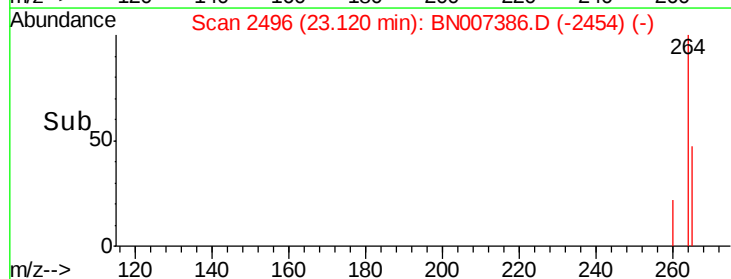
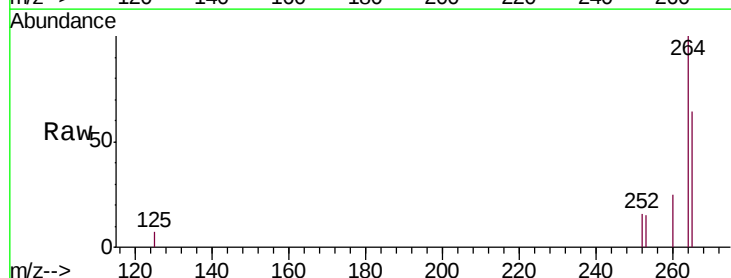
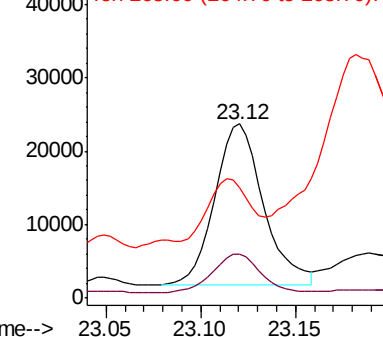
Delta R.T. -0.01 min

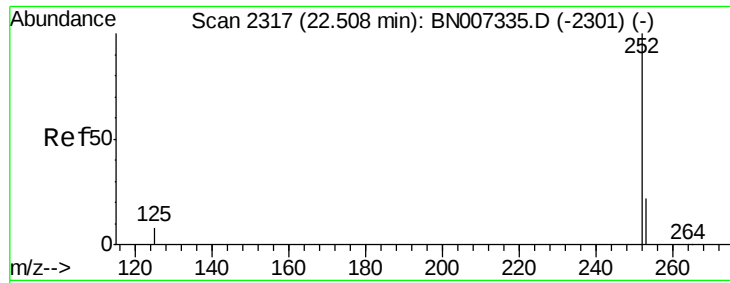
Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Tgt Ion:	264	Resp:	39119
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.7	29.5
265	63.5	29.9	44.9#

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





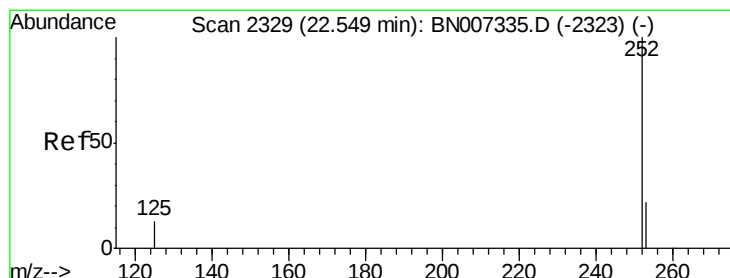
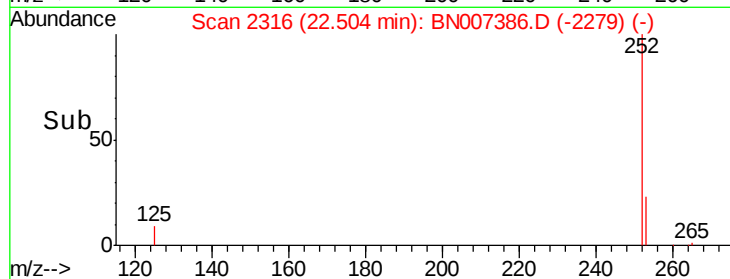
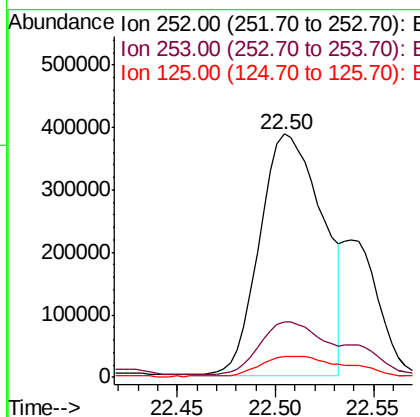
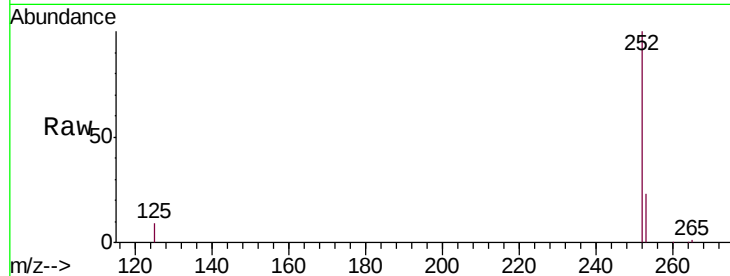
#35
Benzo(b)fluoranthene
Concen: 6.063 ng m
RT: 22.50 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.2	28.8
125	8.6	10.6	16.0

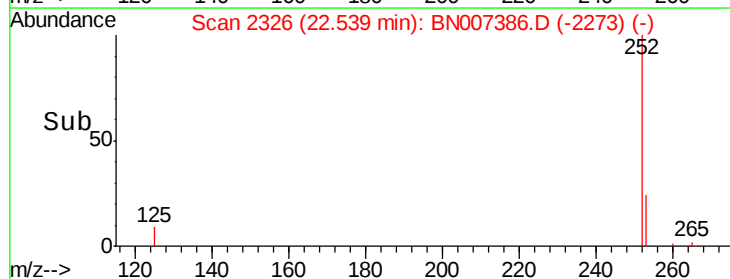
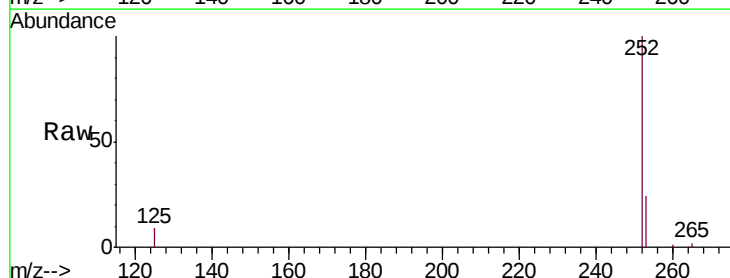
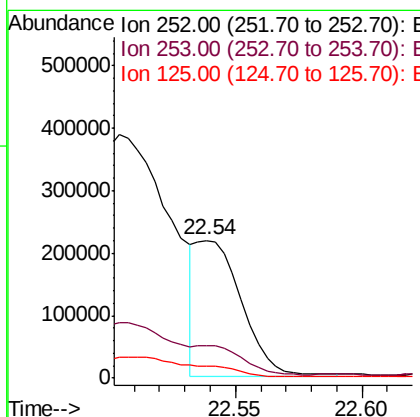
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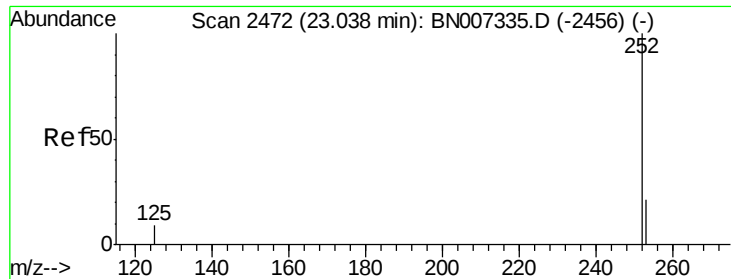
mohammad
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#36
Benzo(k)fluoranthene
Concen: 1.958 ng m
RT: 22.54 min Scan# 2326
Delta R.T. -0.01 min
Lab File: BN007386.D
Acq: 25 Aug 2019 06:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.4	29.2
125	8.8	13.1	19.7





#37

Benzo(a)pyrene

Concen: 5.443 ng

RT: 23.03 min Scan# 2469

Delta R.T. -0.01 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Instrument :

BNA_N

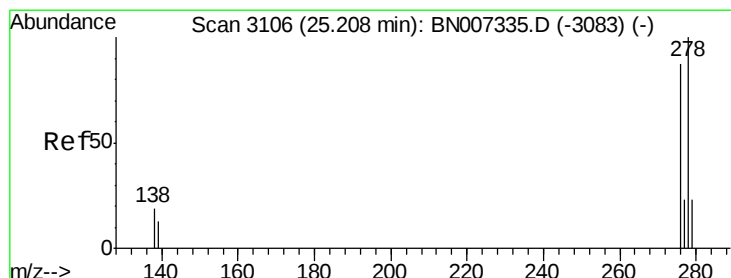
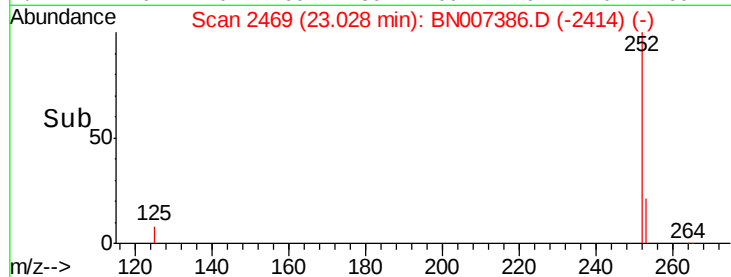
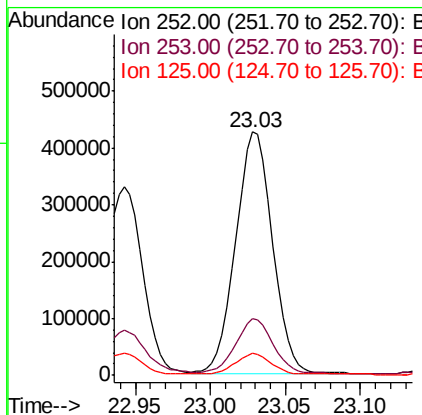
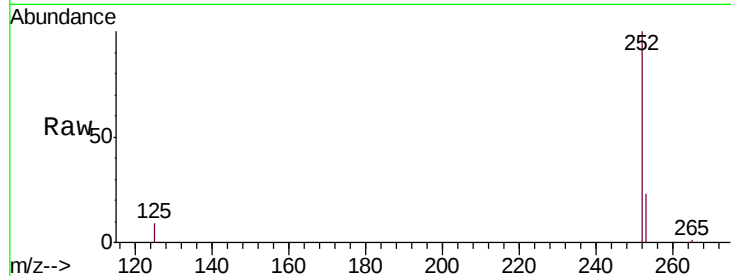
ClientSampleId :

EXT-015-SW085-080119-2

Tot Ion:	252	Resp:	734185
Ion Ratio	Lower	Upper	
252	100		
253	23.1	19.5	29.3
125	8.9	12.1	18.1

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#38

Dibenzo(a,h)anthracene

Concen: 1.008 ng

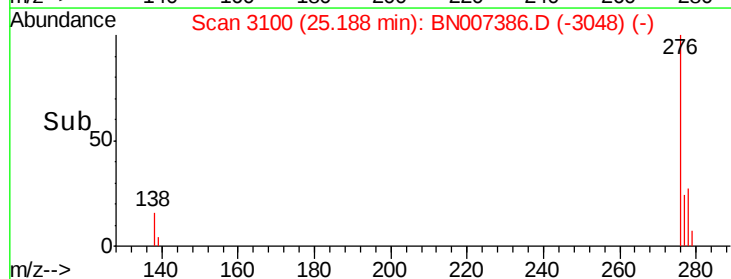
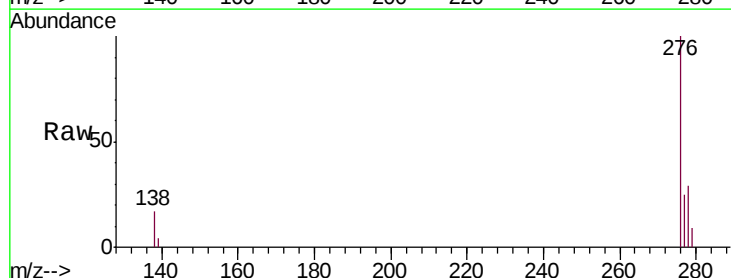
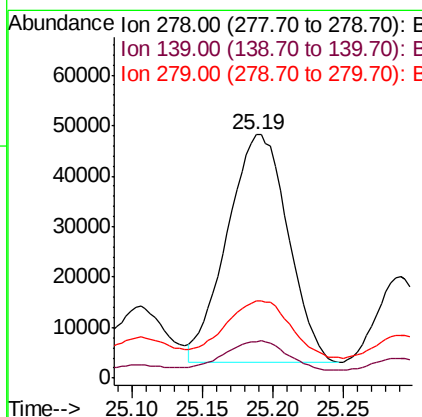
RT: 25.19 min Scan# 3100

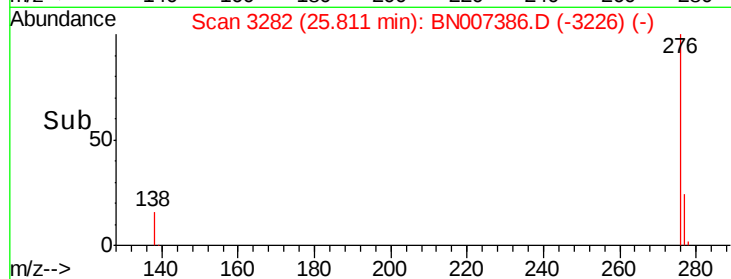
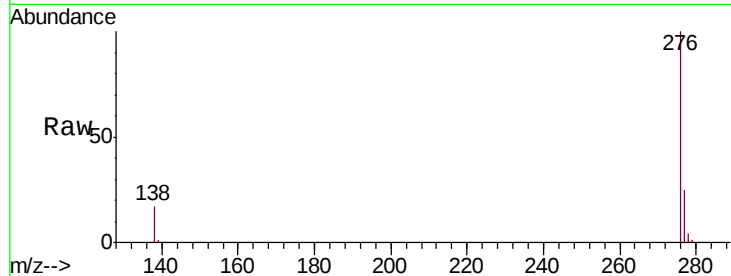
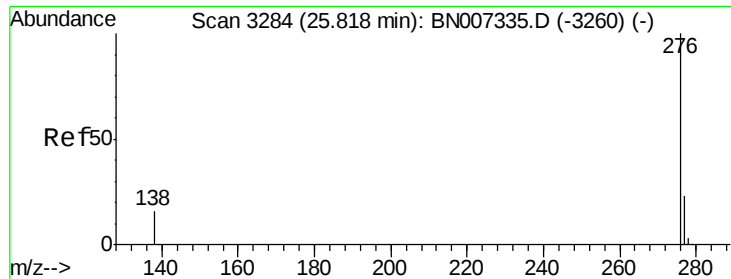
Delta R.T. -0.02 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Tgt Ion:	278	Resp:	135696
Ion Ratio	Lower	Upper	
278	100		
139	14.9	13.7	20.5
279	31.7	20.2	30.4





#39

Benzo(a,h,i)perylene

Concen: 3.901 ng

RT: 25.81 min Scan# 3282

Delta R.T. -0.01 min

Lab File: BN007386.D

Acq: 25 Aug 2019 06:06

Tot Ion:	276	Resp:	523149
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.6	29.4
138	17.0	16.3	24.5

Instrument :

BNA_N

ClientSampleId :

EXT-015-SW085-080119-2

Manual Integrations
APPROVED

mohammad
8/31/2019 2:40:37 PM

