

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
 Data File : BN007503.D
 Acq On : 29 Aug 2019 14:55
 Operator : HP/JU
 Sample : K4468-01DL 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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 8/30/2019 8:58:02 AM

Quant Time: Aug 29 16:53:49 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Aug 29 12:18:45 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	7277	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	28832	0.40	ng	-0.01
13) Acenaphthene-d10	14.04	164	14353	0.40	ng	-0.02
19) Phenanthrene-d10	16.79	188	29916	0.40	ng	0.00
27) Chrysene-d12	21.02	240	53958	0.40	ng	0.00
34) Perylene-d12	23.12	264	63465	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.03	112	267	-0.02	ng	0.00
5) Phenol-d6	6.59	99	452	-0.02	ng	0.00
8) Nitrobenzene-d5	8.53	82	292	0.01	ng	0.00
11) 2-Methylnaphthalene-d10	11.75	152	433	0.01	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	228	0.03	ng	0.00
15) 2-Fluorobiphenyl	12.65	172	587	0.01	ng	0.00
25) Fluoranthene-d10	18.84	212	965	0.01	ng	0.00
29) Terphenyl-d14	19.46	244	170136	1.20	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.20	128	9626	0.117	ng	# 93
12) 2-Methylnaphthalene	11.83	142	7788	0.139	ng	97
16) Acenaphthylene	13.76	152	125379	1.476	ng	99
17) Acenaphthene	14.10	154	8110	0.163	ng	98
18) Fluorene	15.10	166	27209	0.433	ng	# 80
23) Phenanthrene	16.84	178	495859	5.510	ng	99
24) Anthracene	16.92	178	94379	1.043	ng	99
26) Fluoranthene	18.87	202	601396	5.205	ng	97
28) Pyrene	19.23	202	911037	4.197	ng	97
30) Benzo(a)anthracene	20.99	228	432867	2.043	ng	93
31) Chrysene	21.05	228	472069	2.308	ng	98
33) Indeno(1,2,3-cd)pyrene	25.18	276	240815	0.977	ng	100
35) Benzo(b)fluoranthene	22.50	252	478378m	2.080	ng	
36) Benzo(k)fluoranthene	22.54	252	259914m	1.144	ng	
37) Benzo(a)pyrene	23.03	252	404371m	1.848	ng	
38) Dibenzo(a,h)anthracene	25.19	278	82105	0.376	ng	94
39) Benzo(a,h,i)perylene	25.81	276	272880	1.254	ng	98

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

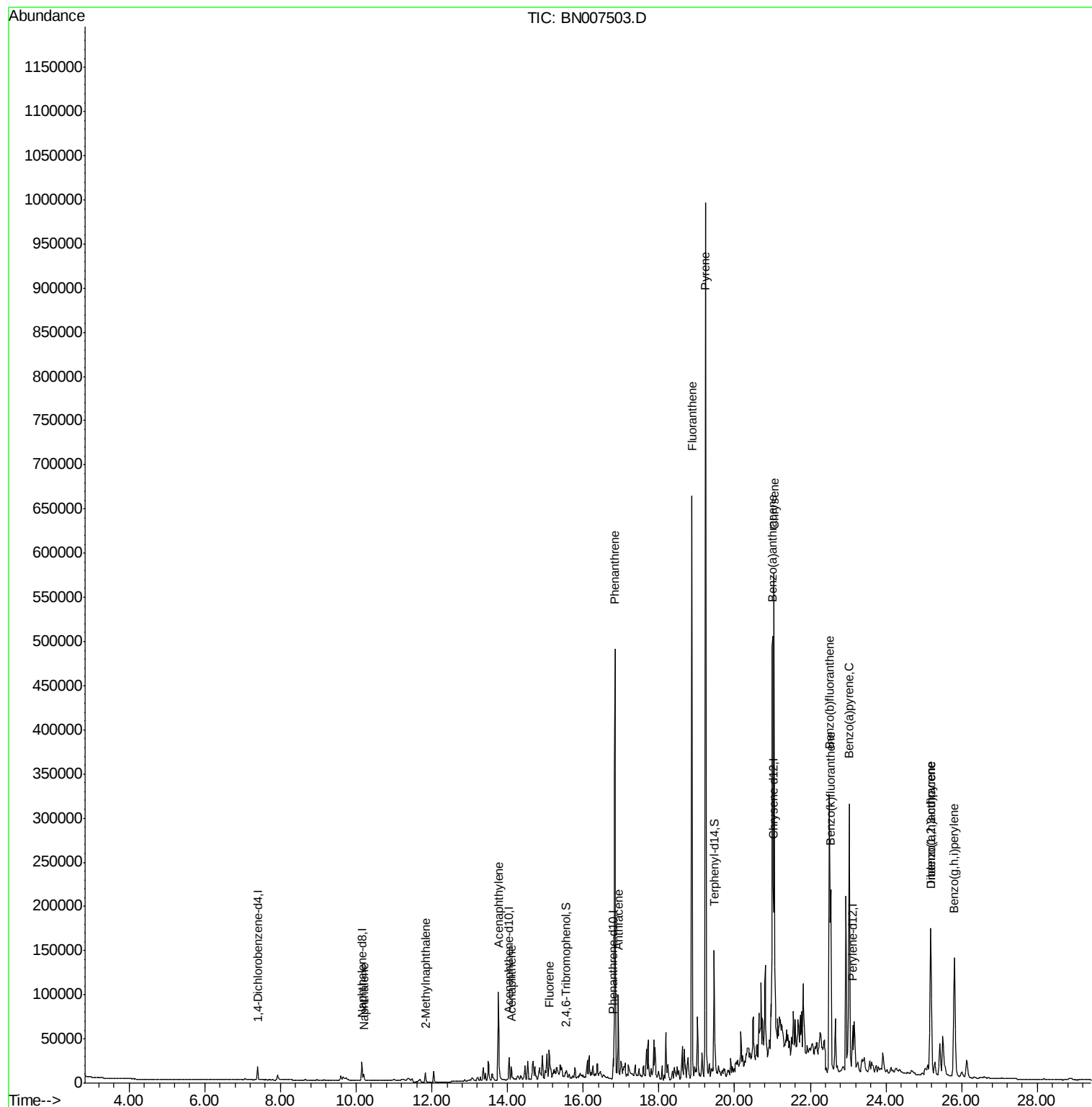
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082919\
Data File : BN007503.D
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ALS Vial : 10 Sample Multiplier: 1

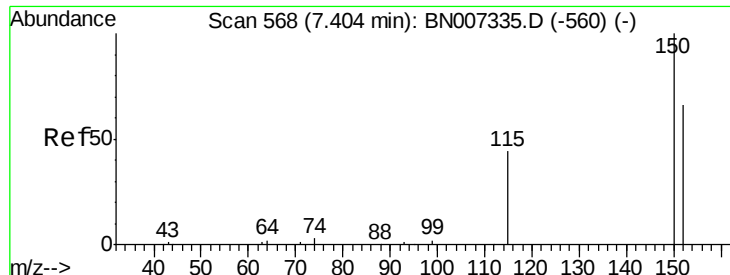
Instrument :
BNA_N
ClientSampleId :
EXT-015-SW085-080119-2DL

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#1

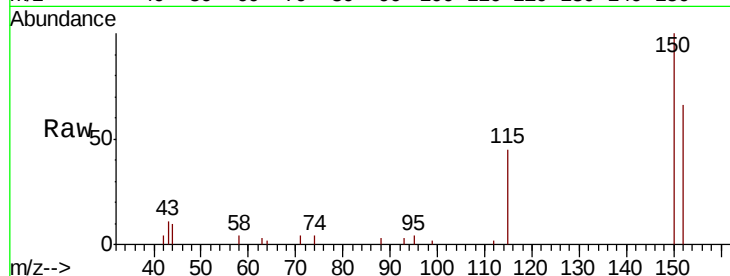
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 567
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

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

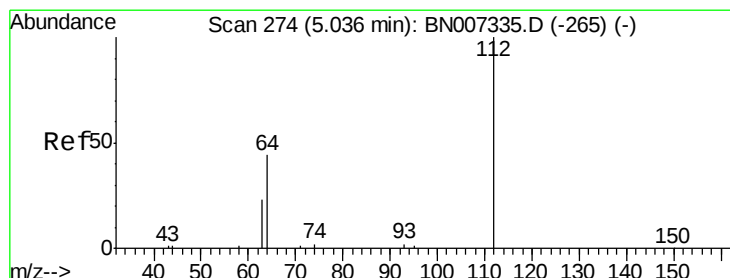
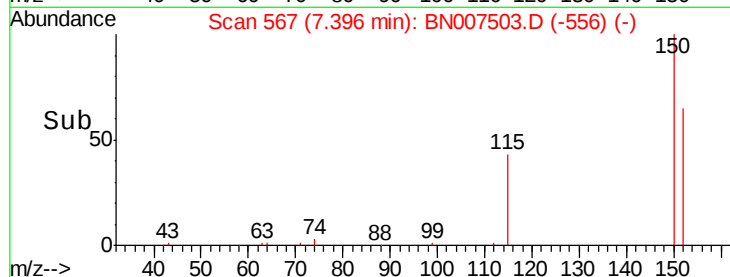
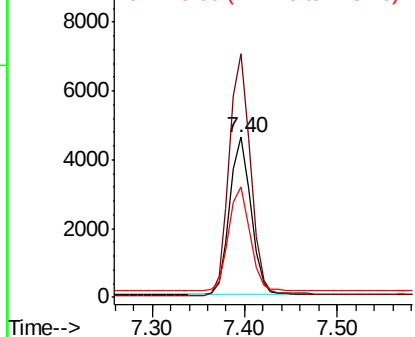
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	109.1	163.7
115	68.9	59.6	89.4

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E

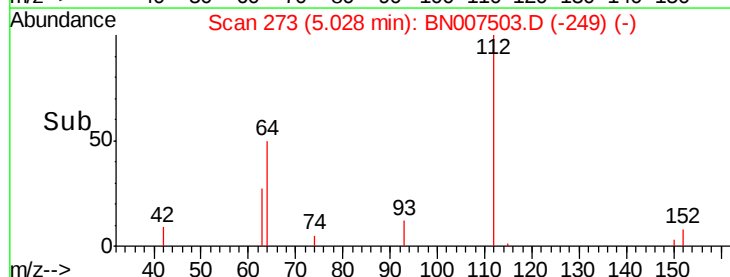
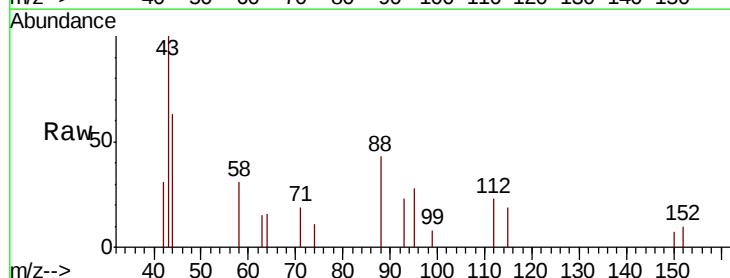
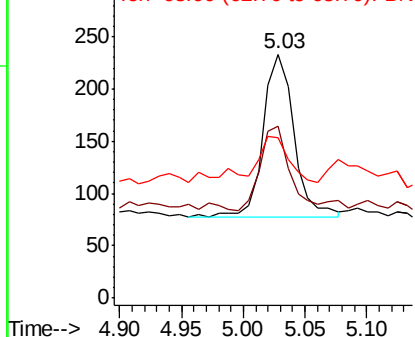


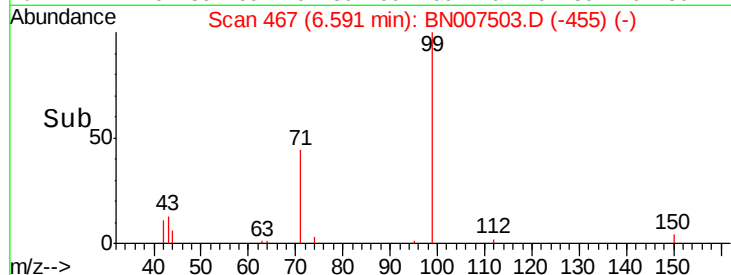
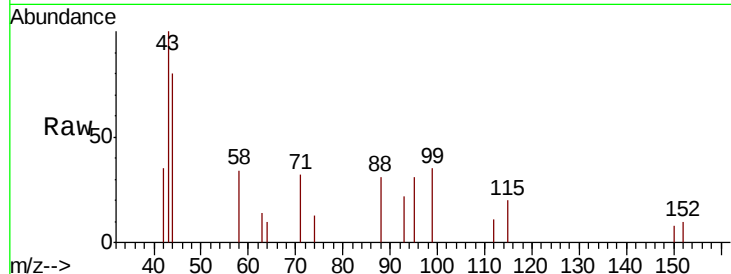
#4

2-Fluorophenol
Concen: -0.019 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	42.3	63.5
63	39.3	23.6	35.4

Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: -0.017 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007503.D

Acq: 29 Aug 2019 14:55

Tot Ion:	99	Resp:	452
Ion	Ratio	Lower	Upper
99	100		
42	15.5	11.2	16.8
71	39.4	31.8	47.8

Instrument :

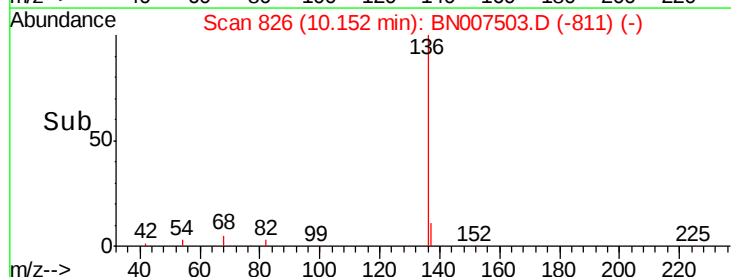
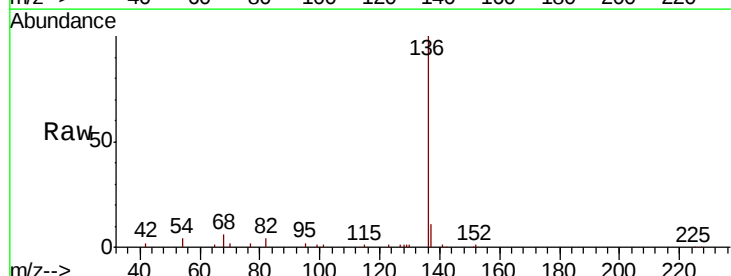
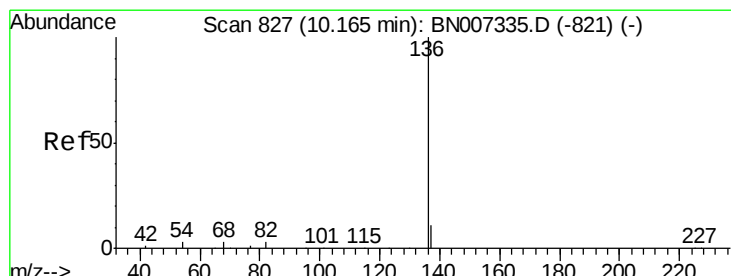
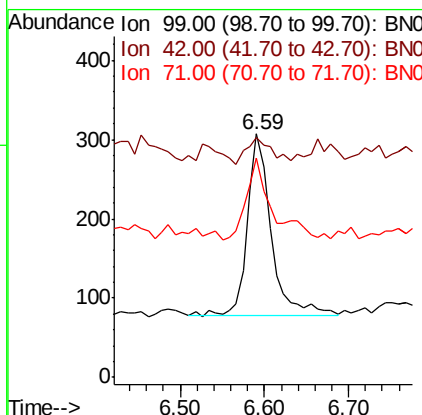
BNA_N

ClientSampleId :

EXT-015-SW085-080119-2DL

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#7

Naphthalene-d8

Concen: 0.400 ng

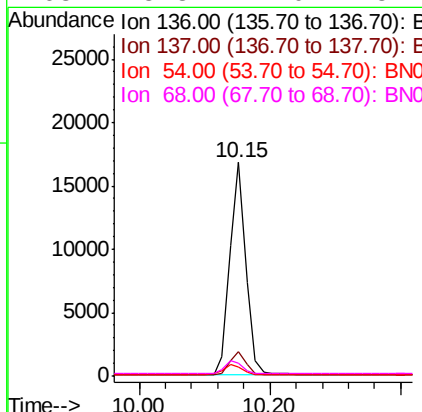
RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007503.D

Acq: 29 Aug 2019 14:55

Tgt Ion:	136	Resp:	28832
Ion	Ratio	Lower	Upper
136	100		
137	11.4	12.9	19.3#
54	4.1	8.6	12.8#
68	5.8	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.012 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007503.D

Acq: 29 Aug 2019 14:55

Instrument :

BNA_N

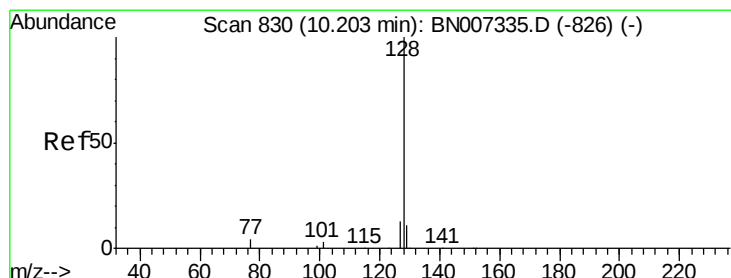
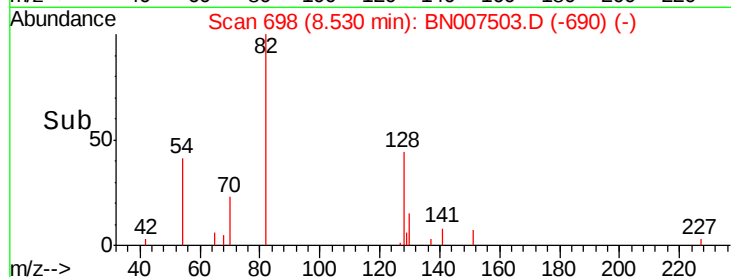
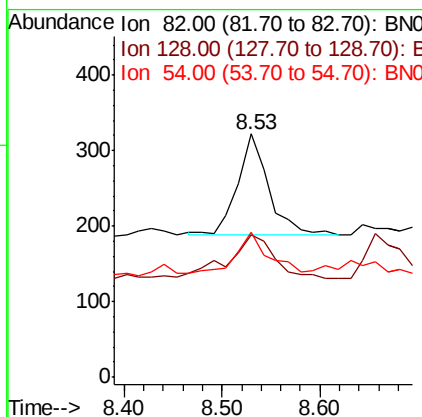
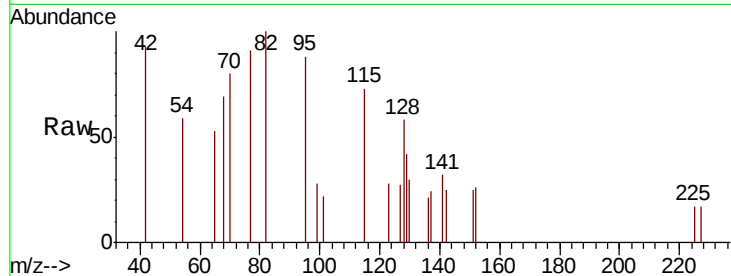
ClientSampleId :

EXT-015-SW085-080119-2DL

Tot Ion:	82	Resp:	292
Ion	Ratio	Lower	Upper
82	100		
128	58.4	19.7	29.5#
54	59.3	25.8	38.6#

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#9

Naphthalene

Concen: 0.117 ng

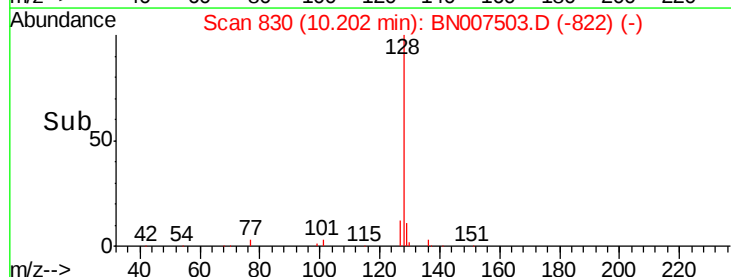
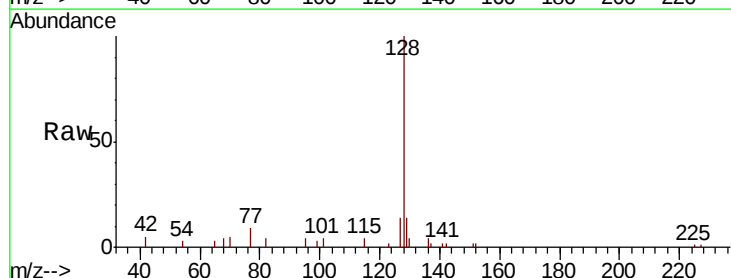
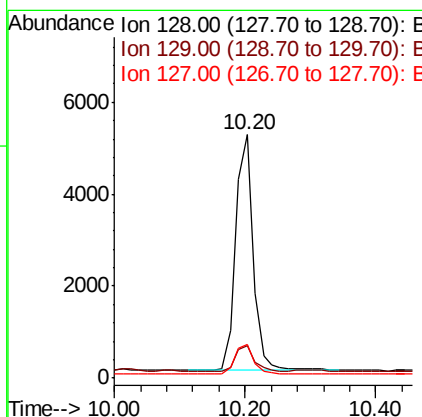
RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007503.D

Acq: 29 Aug 2019 14:55

Tgt Ion:	128	Resp:	9626
Ion	Ratio	Lower	Upper
128	100		
129	13.5	11.1	16.7
127	13.9	15.5	23.3#





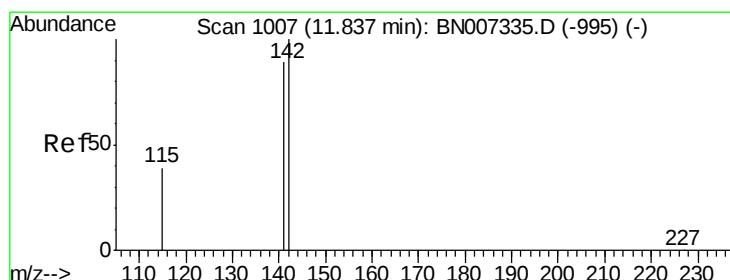
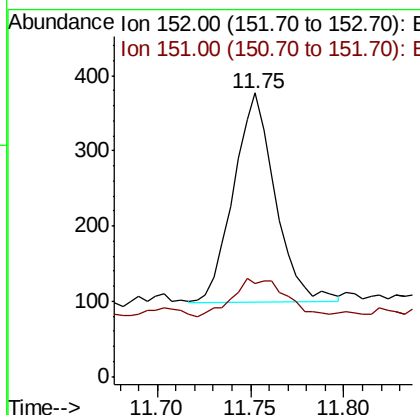
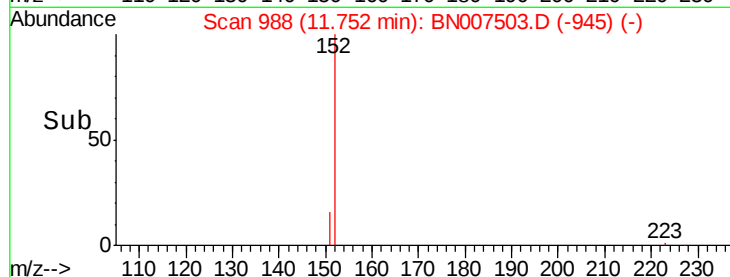
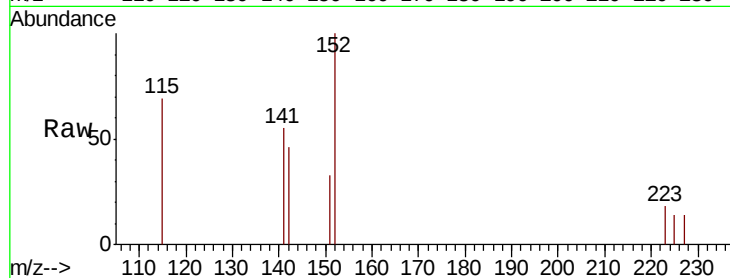
#11
2-Methylnaphthalene-d10
Concen: 0.009 ng
RT: 11.75 min Scan# 988
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.6	16.2	24.2

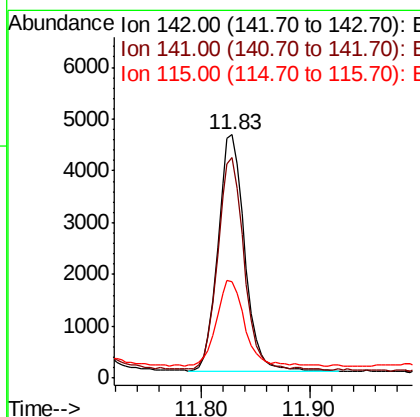
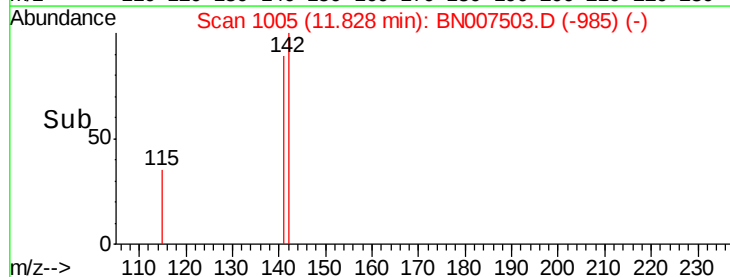
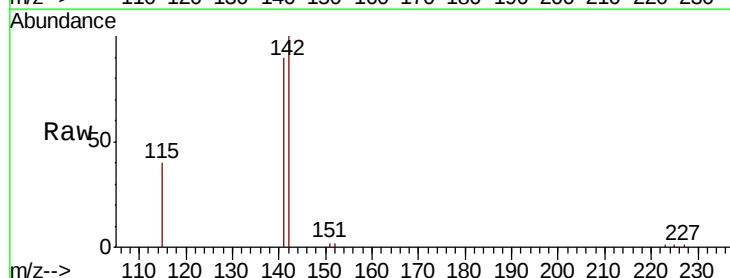
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#12
2-Methylnaphthalene
Concen: 0.139 ng
RT: 11.83 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.8	109.2
115	39.7	35.2	52.8





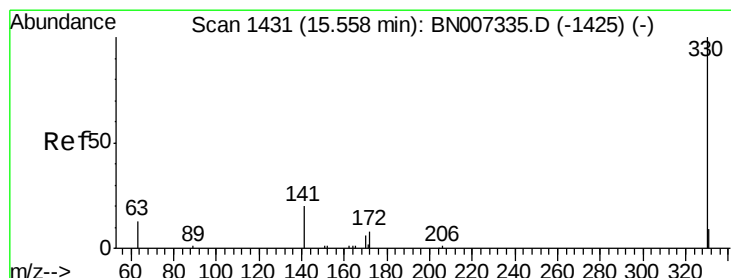
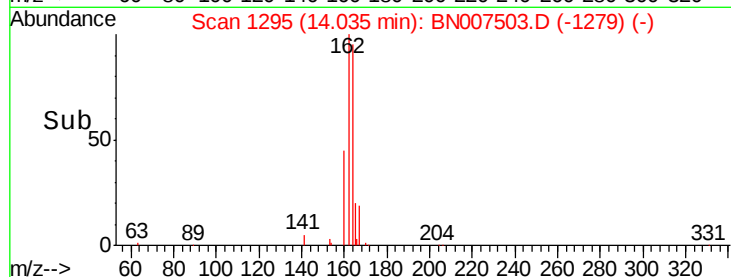
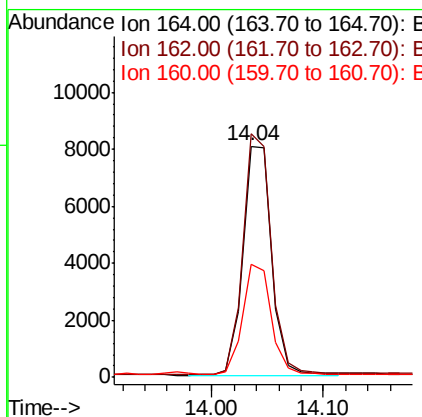
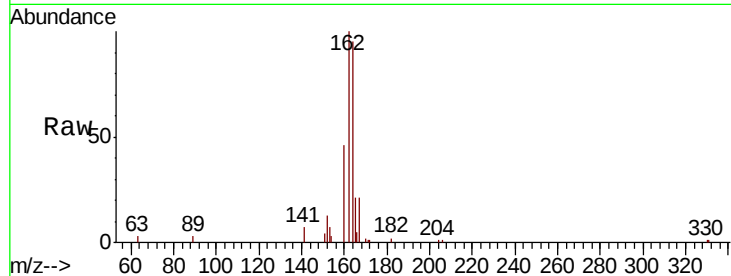
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.5	125.3
160	48.9	38.2	57.4

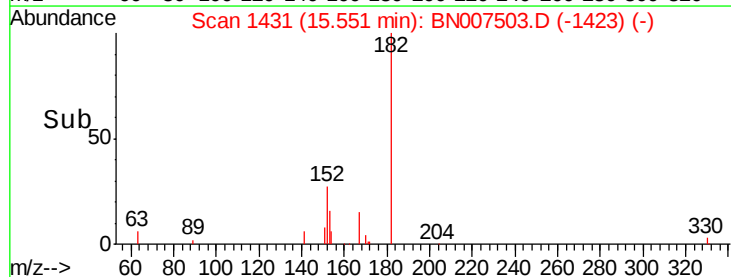
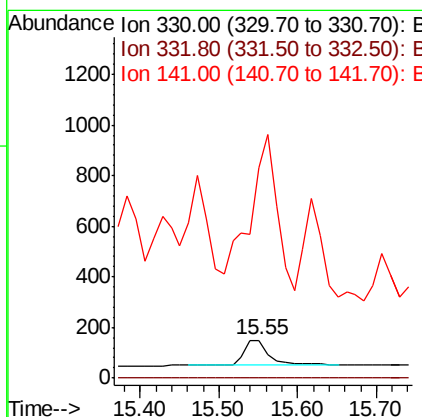
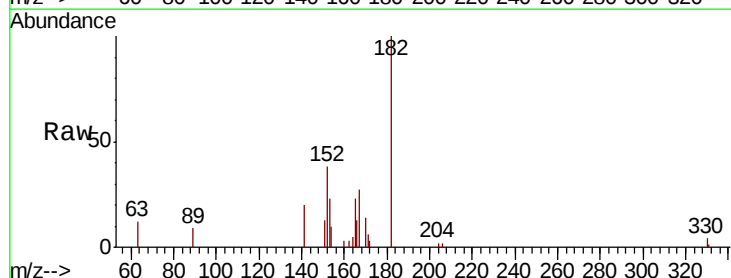
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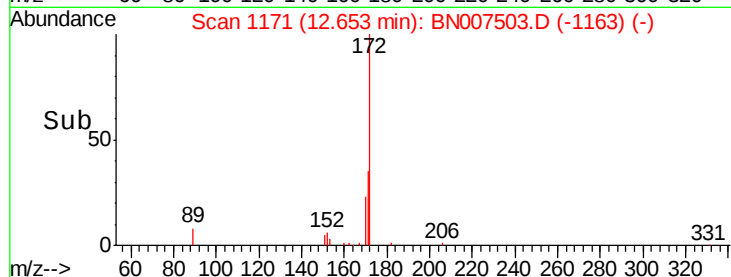
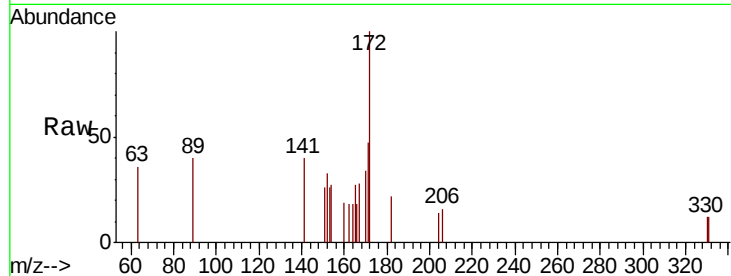
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#14
2,4,6-Tribromophenol
Concen: 0.030 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	635.5	26.9	40.3#





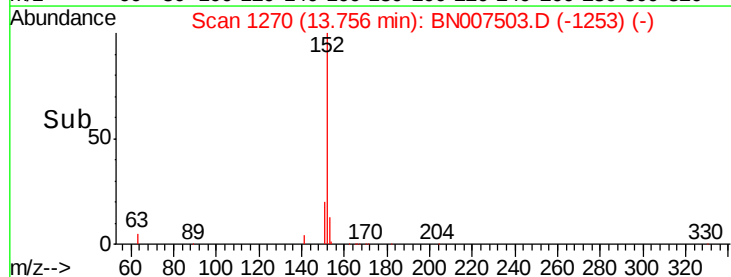
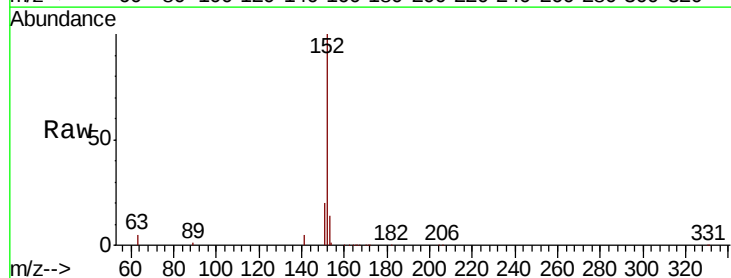
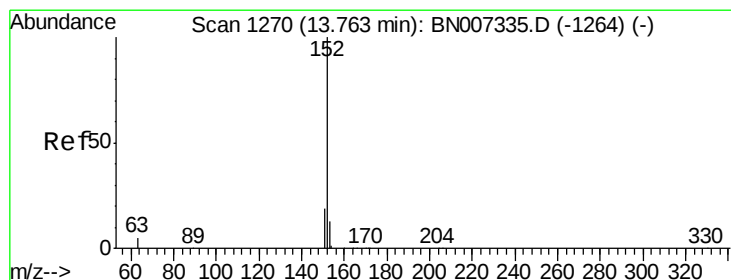
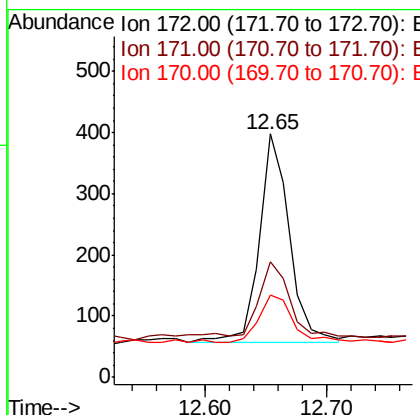
#15
2-Fluorobiphenyl
Concen: 0.010 ng
RT: 12.65 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	47.2	30.3	45.5#
170	33.9	20.7	31.1#

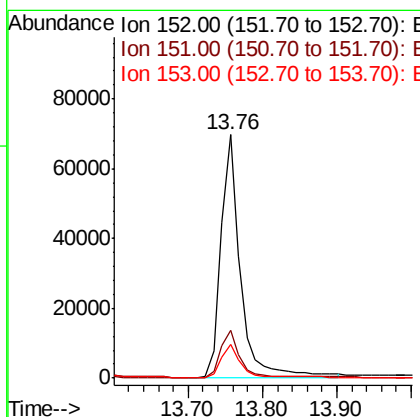
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#16
Acenaphthylene
Concen: 1.476 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	13.5	10.6	15.8





#17

Acenaphthene

Concen: 0.163 ng

RT: 14.10 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BN007503.D

Acq: 29 Aug 2019 14:55

Instrument :

BNA_N

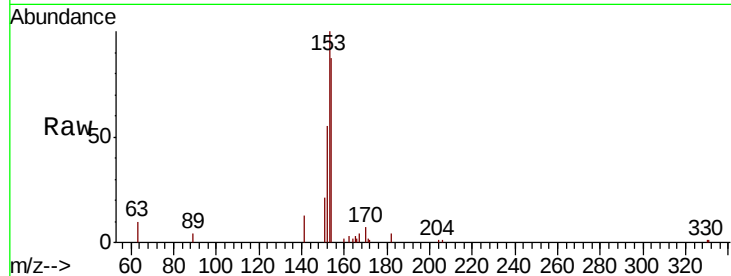
ClientSampleId :

EXT-015-SW085-080119-2DL

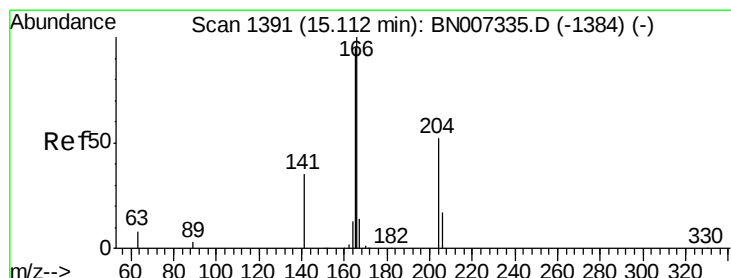
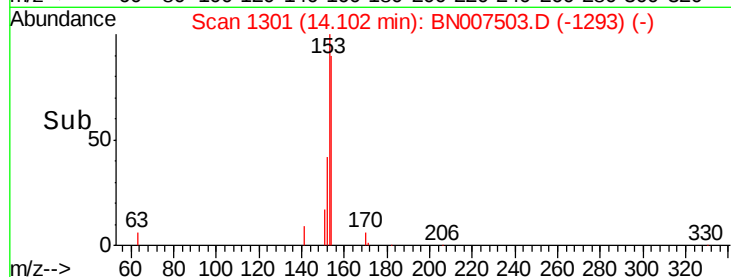
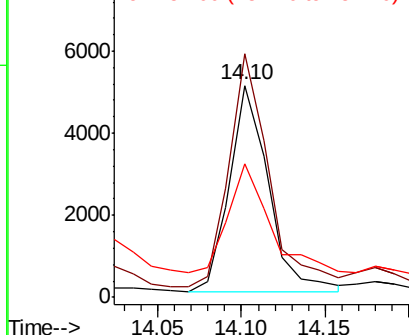
Tot Ion:	154	Resp:	8110
Ion Ratio	Lower	Upper	
154	100		
153	116.1	92.8	139.2
152	59.1	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.433 ng

RT: 15.10 min Scan# 1391

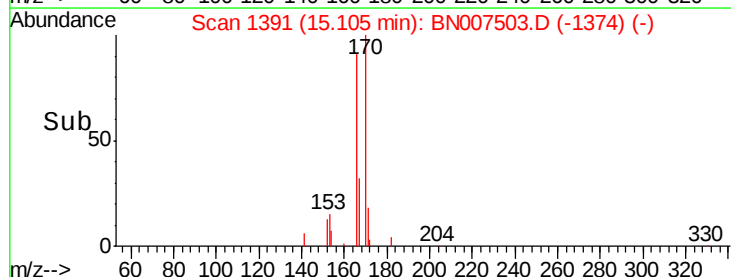
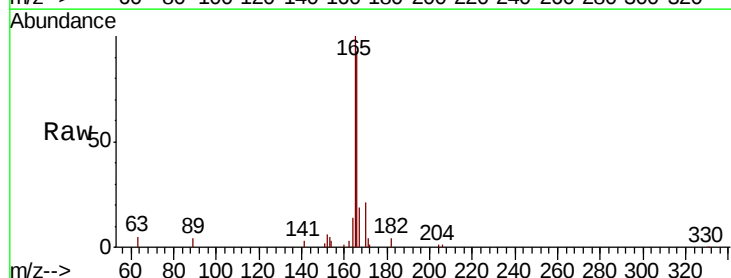
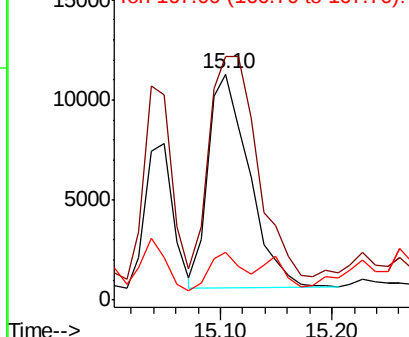
Delta R.T. -0.01 min

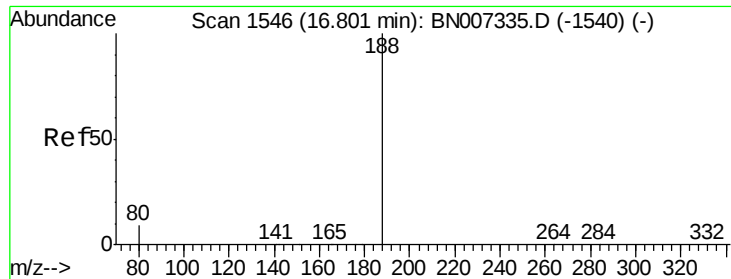
Lab File: BN007503.D

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Tgt Ion:	166	Resp:	27209
Ion Ratio	Lower	Upper	
166	100		
165	121.1	79.0	118.4#
167	14.2	10.6	15.8

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





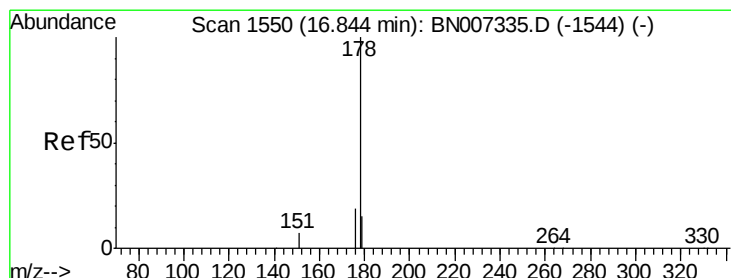
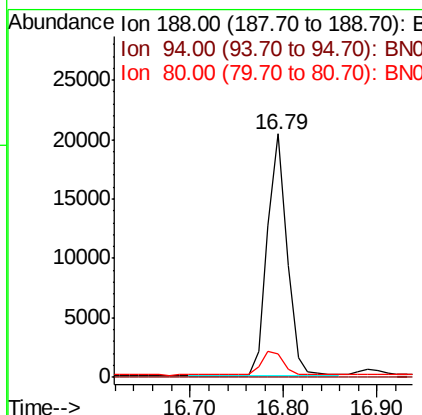
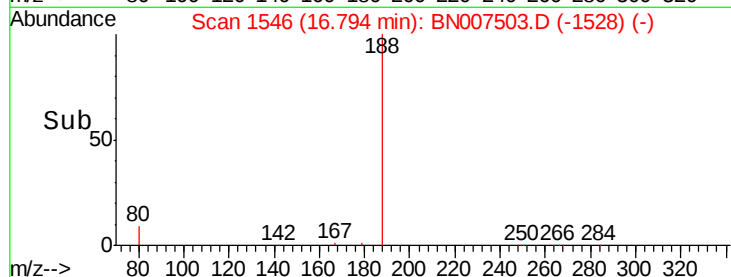
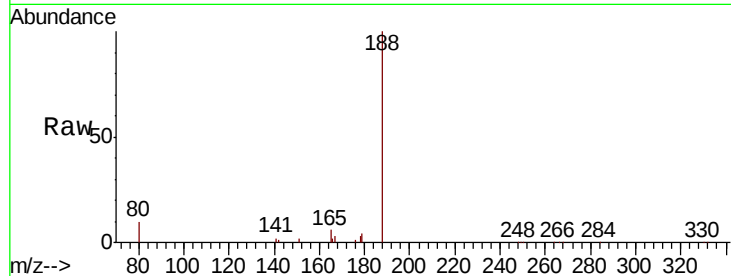
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	11.8	17.8

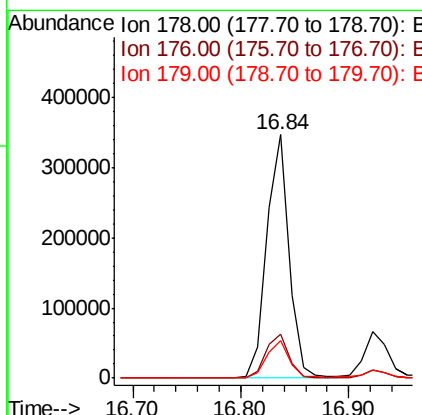
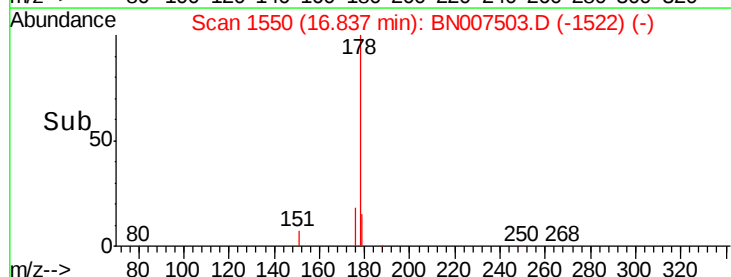
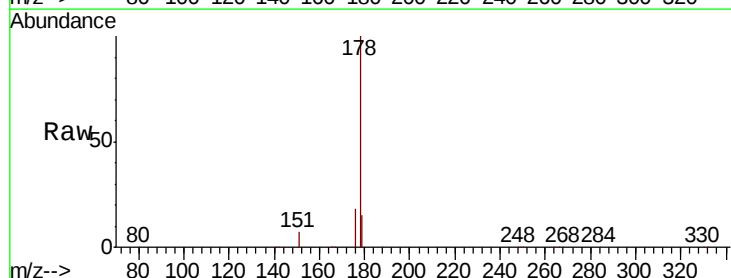
Manual Integrations
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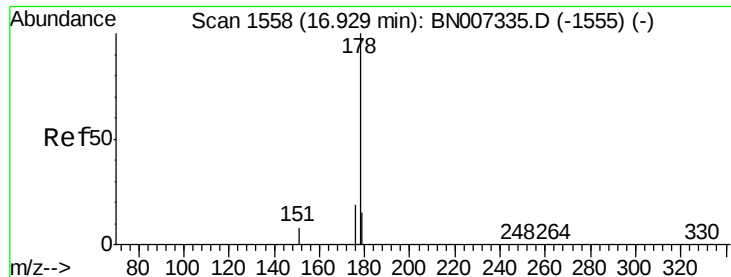
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#23
Phenanthrene
Concen: 5.510 ng
RT: 16.84 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

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





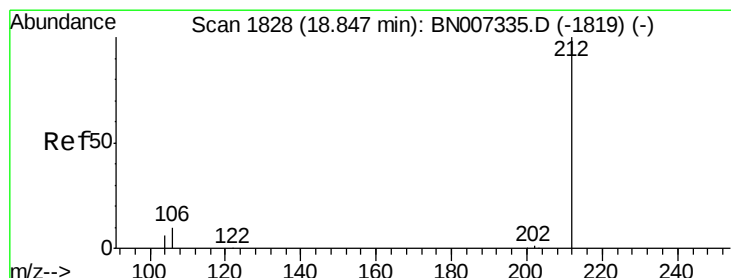
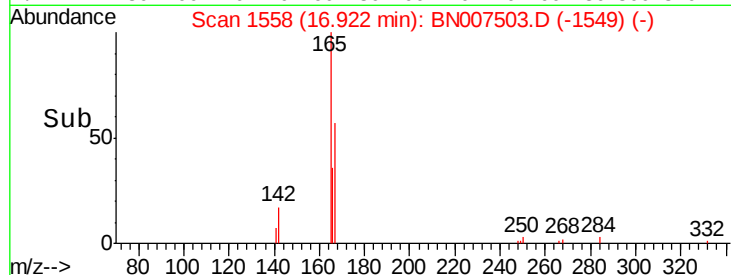
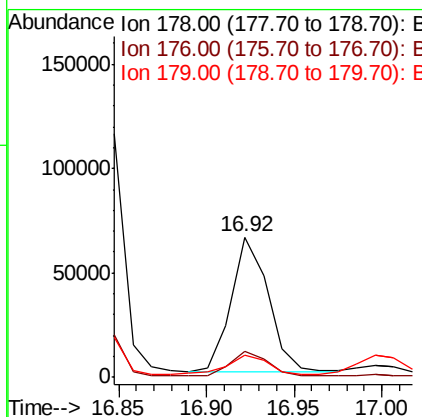
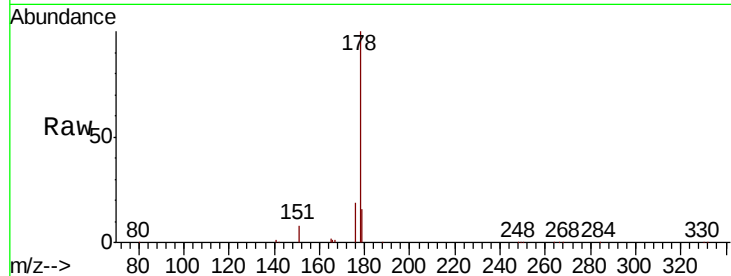
#24
 Anthracene
 Concen: 1.043 ng
 RT: 16.92 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BN007503.D
 Acq: 29 Aug 2019 14:55

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

Tot Ion:178	Resp:	94379
Ion Ratio	Lower	Upper
178	100	
176	18.1	14.9 22.3
179	15.5	12.4 18.6

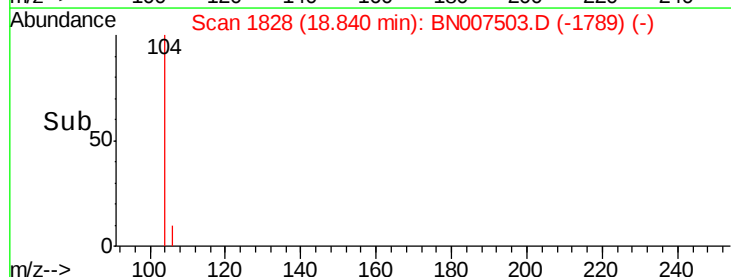
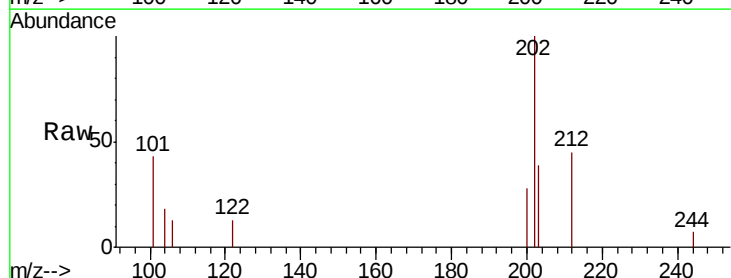
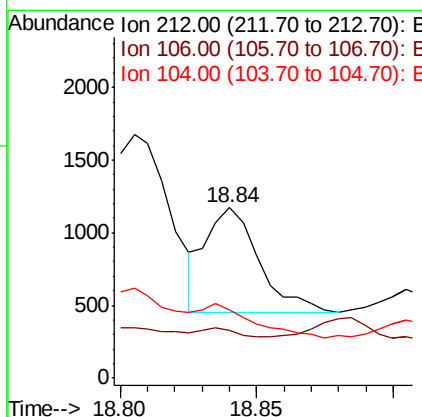
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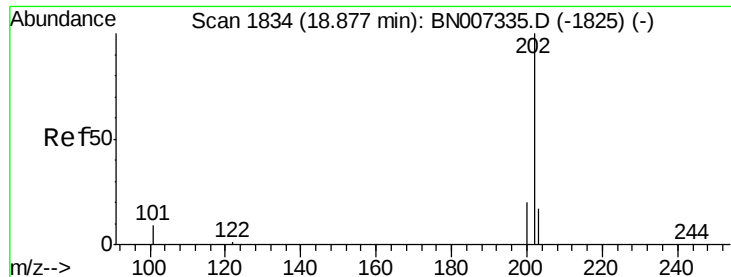
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#25
 Fluoranthene-d10
 Concen: 0.010 ng
 RT: 18.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BN007503.D
 Acq: 29 Aug 2019 14:55

Tgt Ion:212	Resp:	965
Ion Ratio	Lower	Upper
212	100	
106	7.7	9.0 13.4#
104	0.0	5.4 8.2#





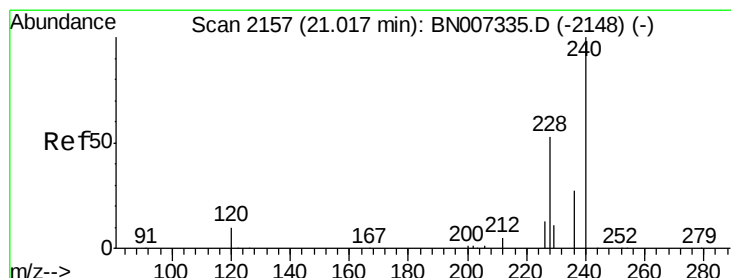
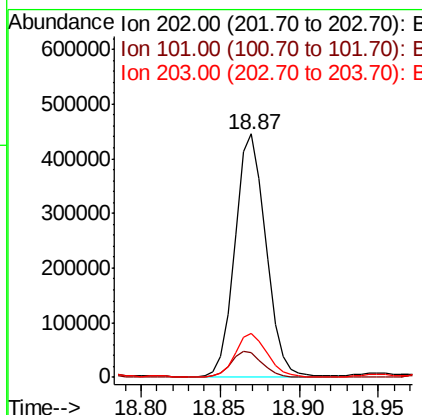
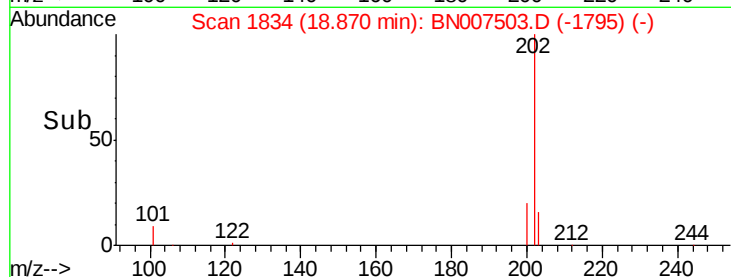
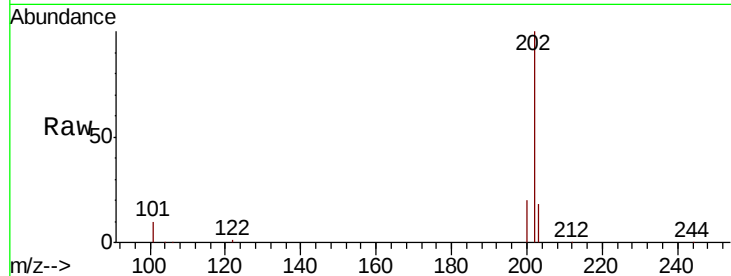
#26
Fluoranthene
 Concen: 5.205 ng
 RT: 18.87 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BN007503.D
 Acq: 29 Aug 2019 14:55

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

Tot Ion	Ratio	Resp	Lower	Upper
202	100	601396		
101	10.8		7.7	11.5
203	18.1		13.7	20.5

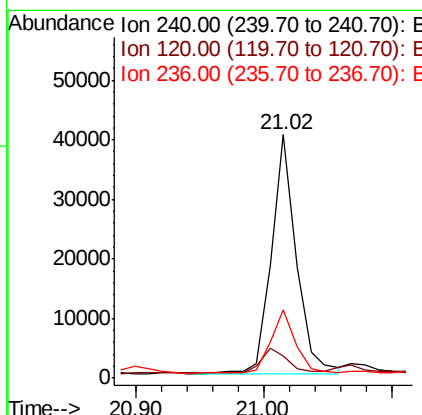
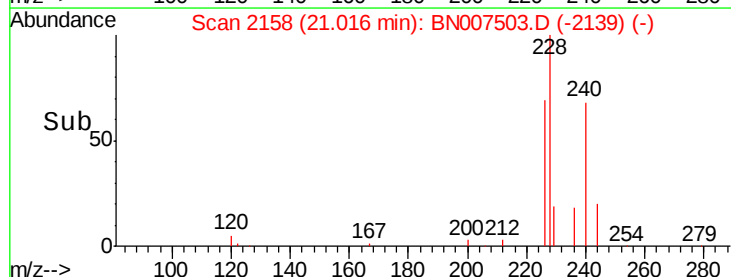
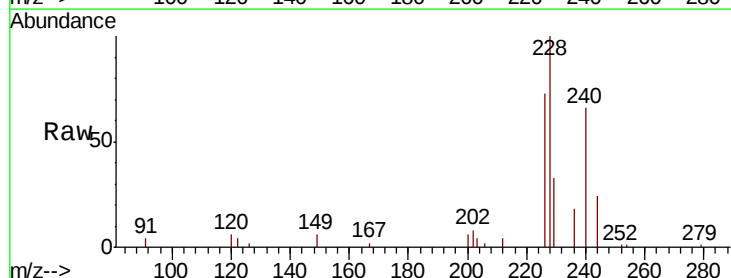
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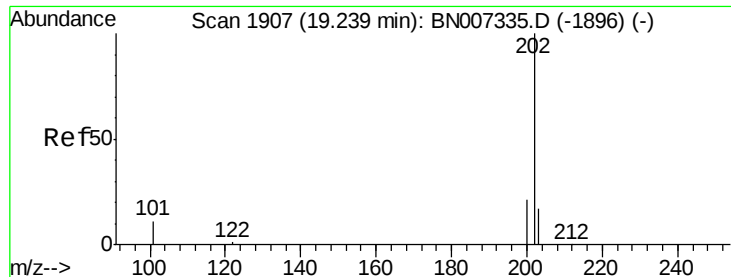
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.02 min Scan# 2158
 Delta R.T. -0.00 min
 Lab File: BN007503.D
 Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	53958		
120	9.3		9.6	14.4#
236	27.8		22.2	33.2





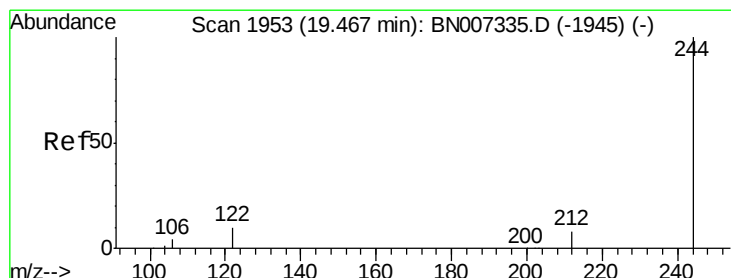
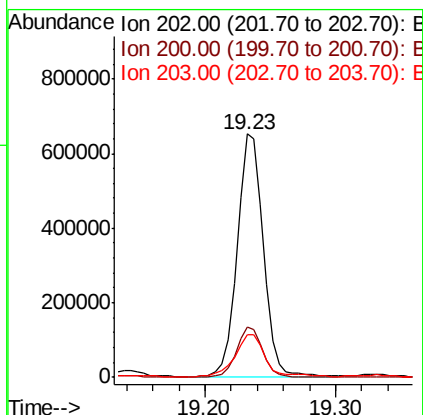
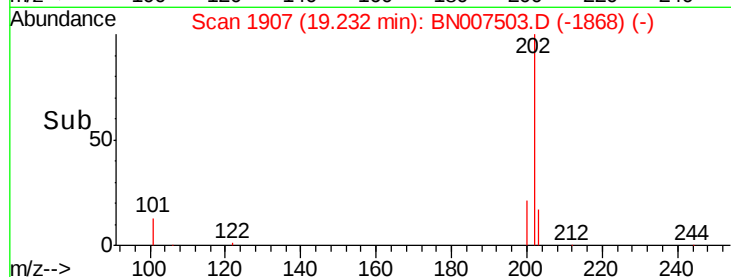
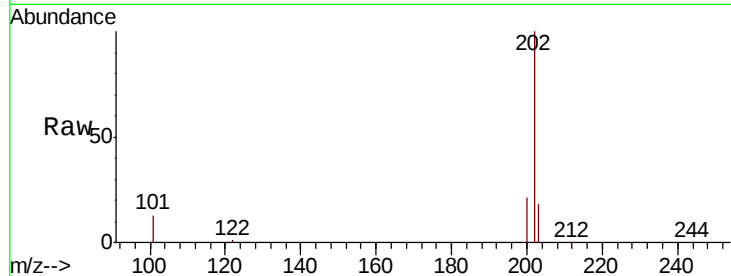
#28
Pvrene
Concen: 4.197 ng
RT: 19.23 min Scan# 1907
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	20.3	14.2	21.4

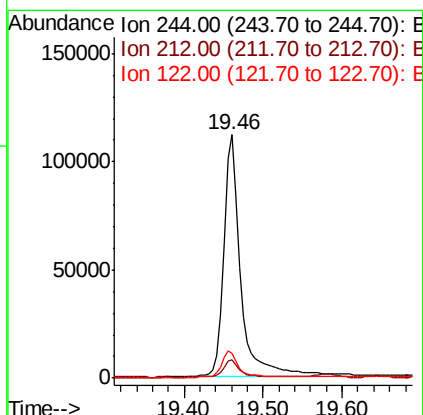
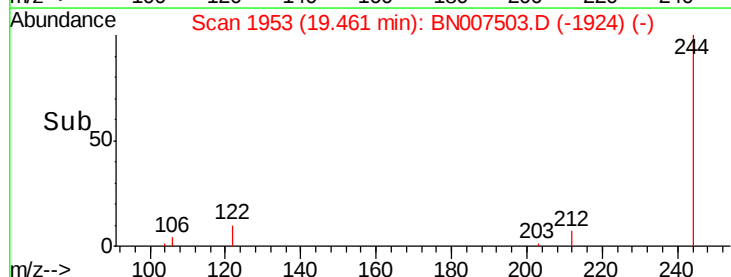
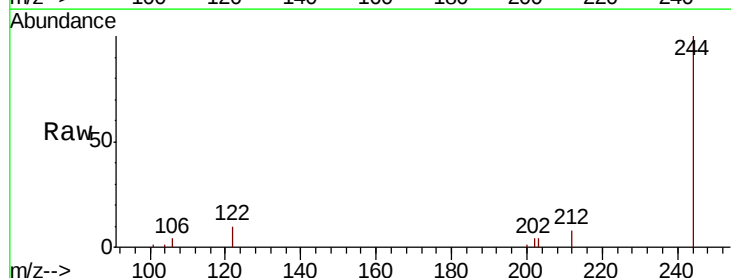
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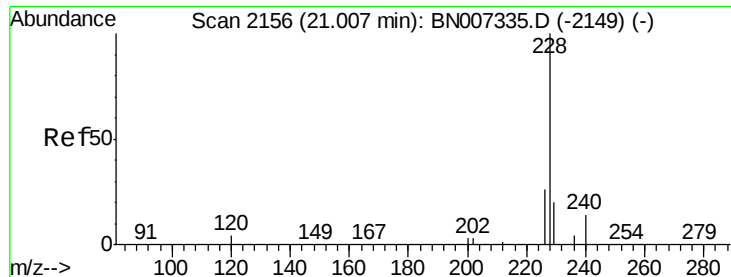
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#29
Terphenyl-d14
Concen: 1.205 ng
RT: 19.46 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	7.0	10.6
122	10.1	9.6	14.4





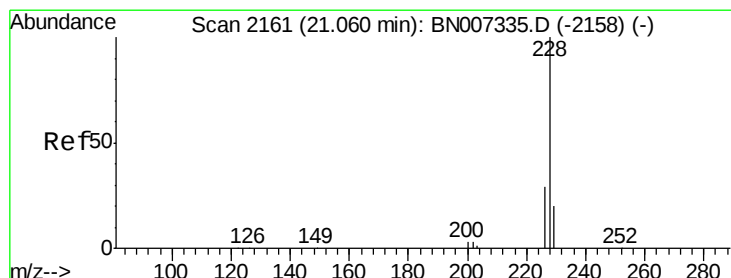
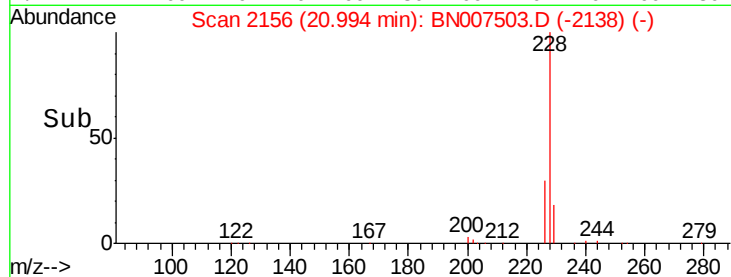
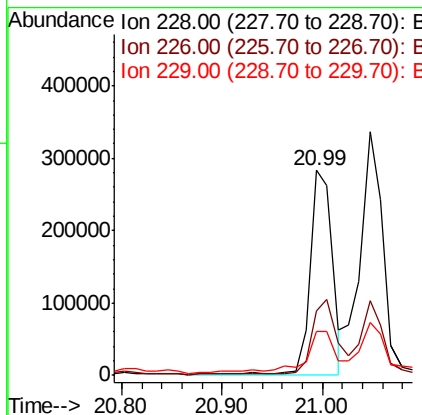
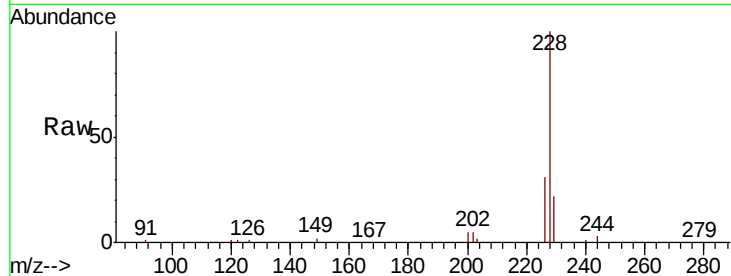
#30
Benzo(a)anthracene
Concen: 2.043 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	21.3	31.9
229	21.6	16.1	24.1

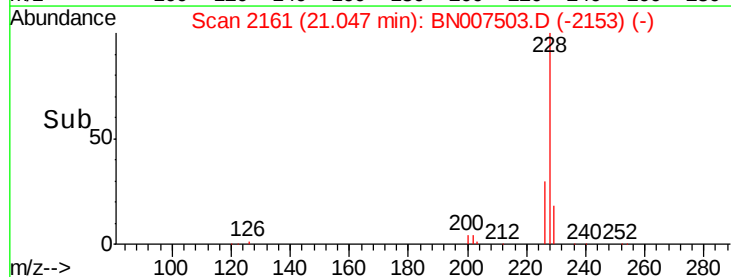
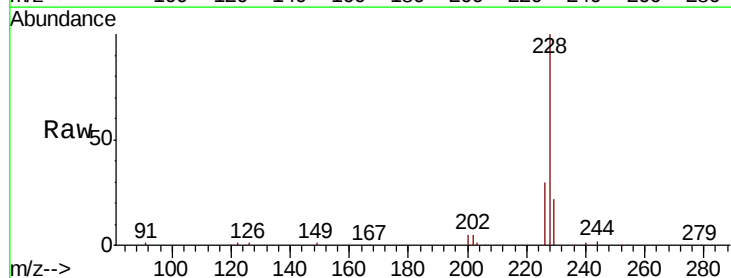
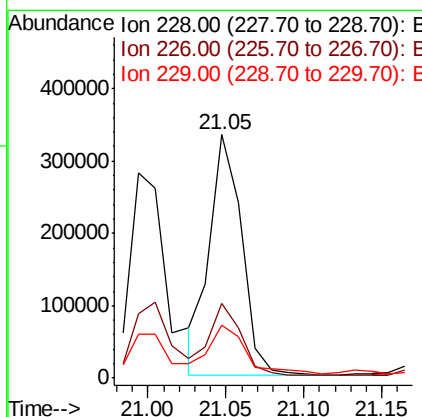
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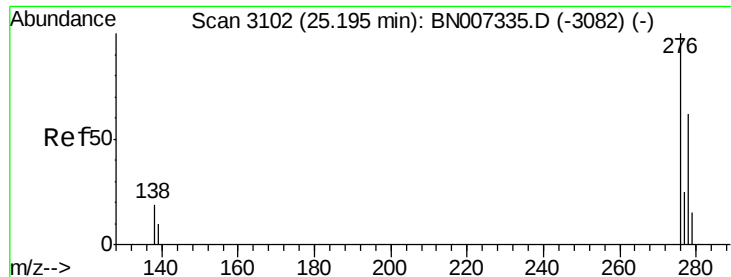
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#31
Chrysene
Concen: 2.308 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.5	35.3
229	21.6	16.6	24.8





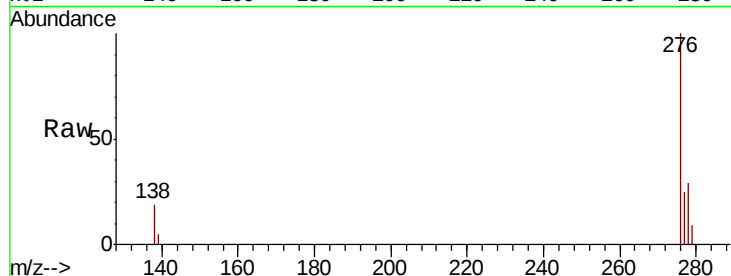
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.977 ng
RT: 25.18 min Scan# 3099
Delta R.T. -0.02 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	15.1	22.7
277	24.9	19.7	29.5

Manual Integrations
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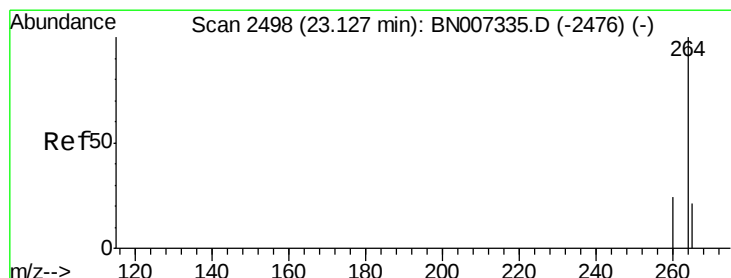
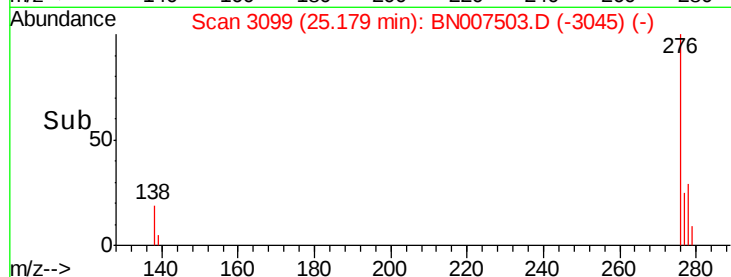
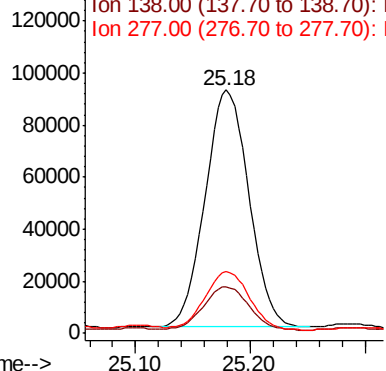


Abundance

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# 2497
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

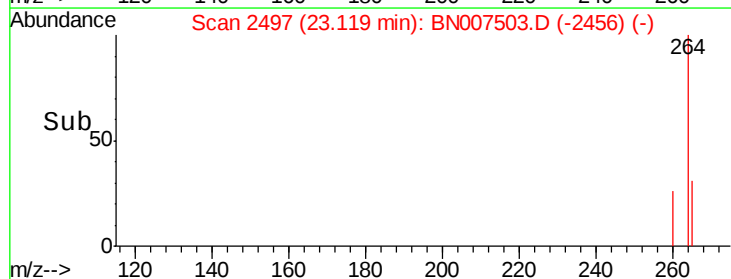
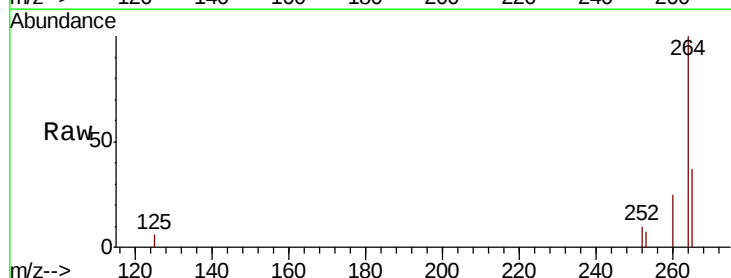
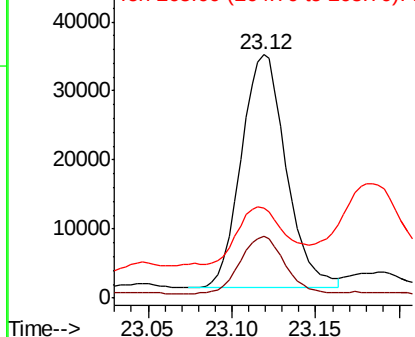
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.7	29.5
265	37.0	29.9	44.9

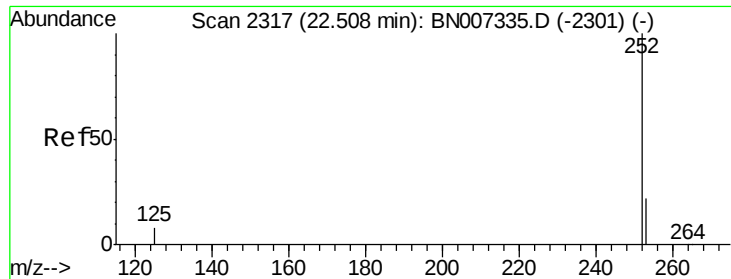
Abundance

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





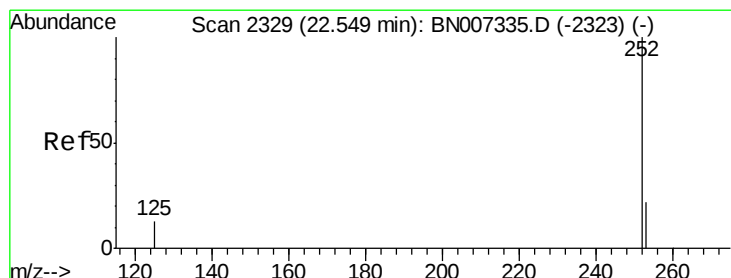
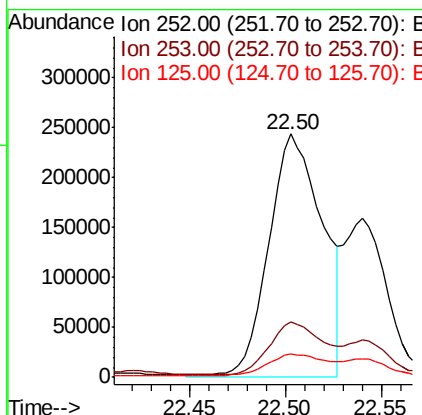
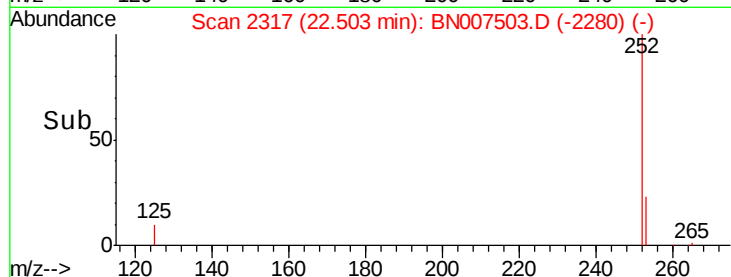
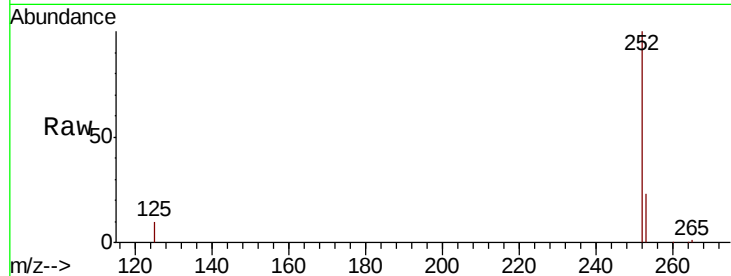
#35
Benzo(b)fluoranthene
Concen: 2.080 ng m
RT: 22.50 min Scan# 2317
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	19.2	28.8
125	9.6	10.6	16.0

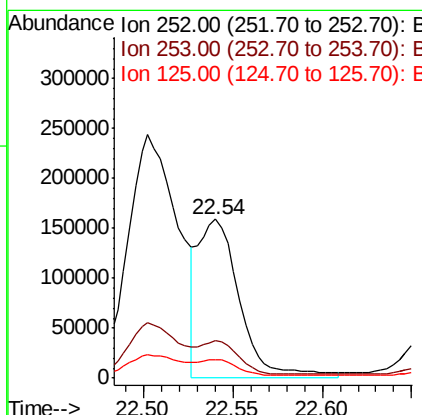
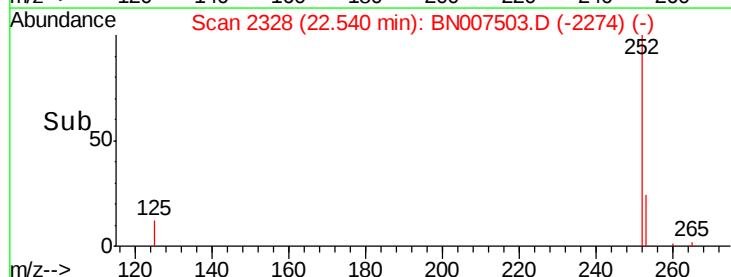
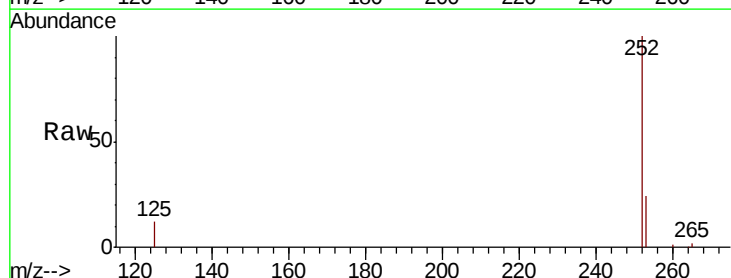
Manual Integrations
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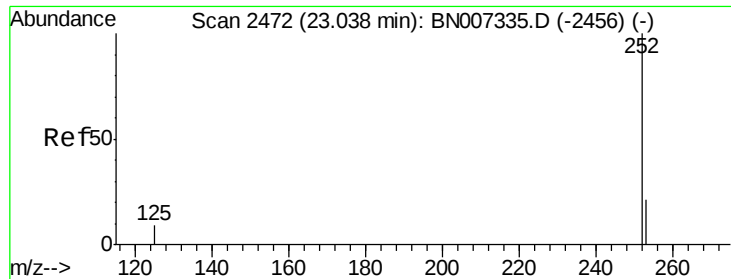
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#36
Benzo(k)fluoranthene
Concen: 1.144 ng m
RT: 22.54 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.4	29.2
125	11.7	13.1	19.7





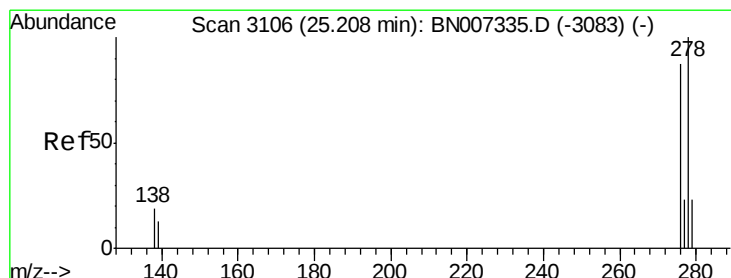
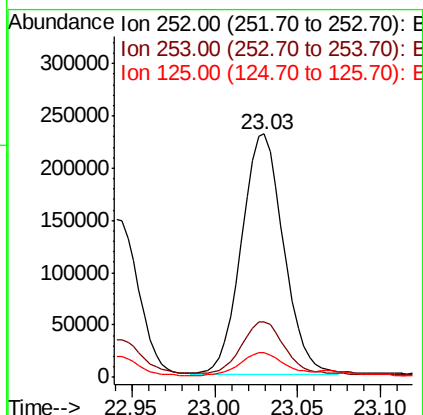
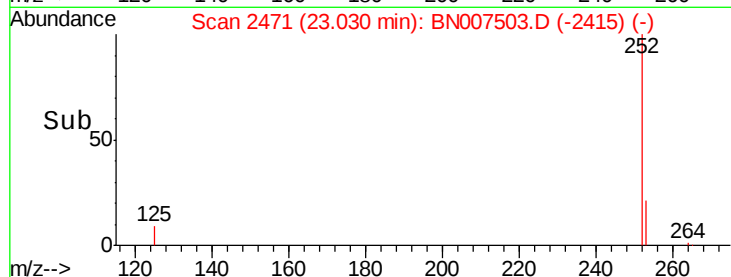
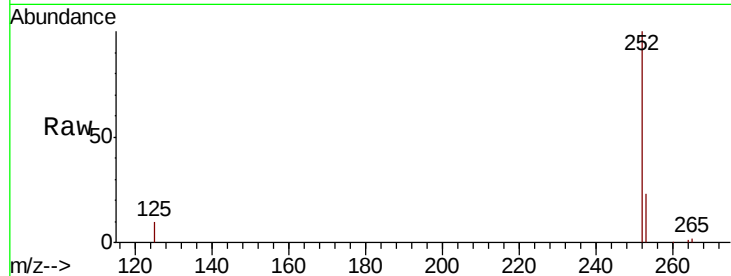
#37
Benzo(a)pyrene
Concen: 1.848 ng m
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.5	29.3
125	10.2	12.1	18.1

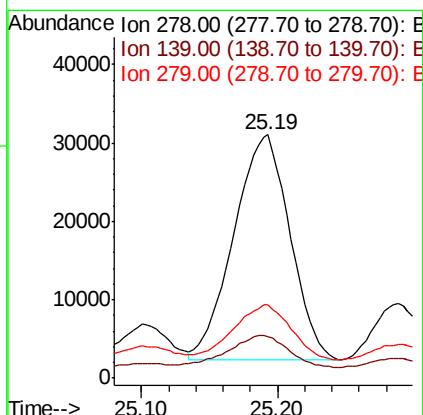
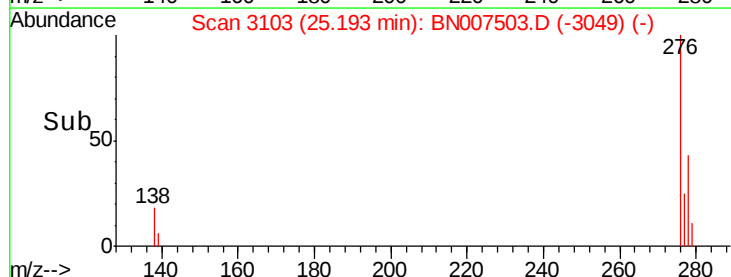
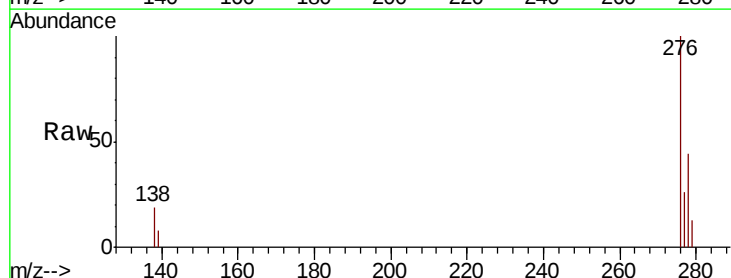
Manual Integrations
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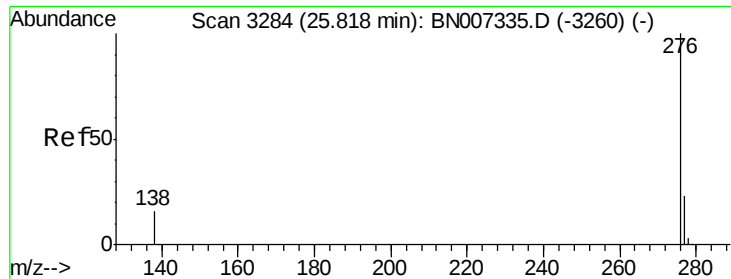
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#38
Dibenzo(a,h)anthracene
Concen: 0.376 ng
RT: 25.19 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BN007503.D
Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.7	20.5
279	30.1	20.2	30.4





#39

Benzo(a,h,i)perylene

Concen: 1.254 ng

RT: 25.81 min Scan# 3282

Delta R.T. -0.01 min

Lab File: BN007503.D

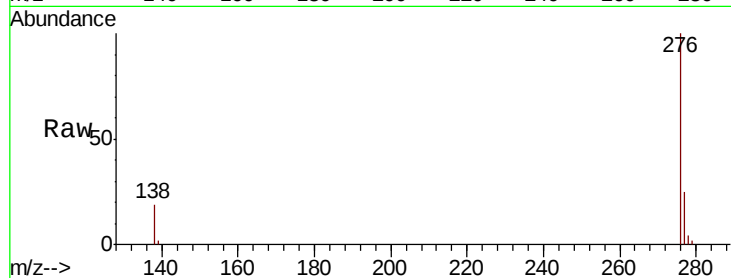
Acq: 29 Aug 2019 14:55

Instrument :

BNA_N

ClientSampleId :

EXT-015-SW085-080119-2DL



Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	24.7	19.6	29.4		
138	19.0	16.3	24.5		

Manual Integrations
APPROVED

JAGRUT
8/30/2019 8:58:02 AM

