

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
 Data File : BN011435.D
 Acq On : 14 Aug 2020 20:36
 Operator : CG/JU
 Sample : L3631-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampled :
 BFMN0

Manual Integrations
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Quant Time: Aug 17 01:53:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 01:29:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	187125	20.00	ng/ul	0.00
18) Naphthalene-d8	10.18	136	653749	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.07	164	397915	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.83	188	910686	20.00	ng/ul	0.00
78) Chrysene-d12	21.05	240	852898	20.00	ng/ul	0.00
86) Perylene-d12	23.16	264	870403	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	12441	3.19	ng/uL	0.00
5) Phenol-d5	6.64	99	243370	18.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	132386	19.63	ng/ul	0.00
9) 2-Chlorophenol-d4	6.98	132	233905	19.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.15	113	214957	20.01	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	120700	23.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.29	143	125490	22.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.82	165	227333	21.11	ng/ul	0.00
29) 4-Chloroaniline-d4	10.33	131	235628	18.30	ng/ul	0.00
44) Dimethylphthalate-d6	13.50	166	725894	23.43	ng/ul	0.00
47) Acenaphthylene-d8	13.76	160	828932	22.23	ng/ul	0.00
52) 4-Nitrophenol-d4	14.30	143	85611	16.31	ng/ul	0.00
58) Fluorene-d10	15.07	176	604038	22.27	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.21	200	87350	14.46	ng/ul	0.00
71) Anthracene-d10	16.93	188	914623	21.02	ng/ul	0.00
79) Pyrene-d10	19.23	212	1000325	22.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.02	264	1074517	22.23	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.67	94	33041	2.449 ng/ul#	95
28) Naphthalene	10.23	128	92434	2.534 ng/ul	99
34) 2-Methylnaphthalene	11.85	142	31212	1.248 ng/ul	100
45) Dimethylphthalate	13.55	163	119178	3.747 ng/ul#	95
48) Acenaphthylene	13.79	152	71668	1.856 ng/ul	98
50) Acenaphthene	14.13	153	34750	1.285 ng/ul	93
54) Dibenzofuran	14.47	168	51751	1.320 ng/ul	98
59) Fluorene	15.13	166	45246	1.432 ng/ul	99
70) Phenanthrene	16.87	178	1085543	20.097 ng/ul	99
72) Anthracene	16.96	178	156072	2.853 ng/ul	99
75) Carbazole	17.23	167	89526	1.946 ng/ul	98
77) Fluoranthene	18.90	202	1548306	23.425 ng/ul	99
80) Pyrene	19.26	202	1375163	22.912 ng/ul	99
83) Benzo(a)anthracene	21.03	228	646083	11.386 ng/ul	93
84) Bis(2-ethylhexyl)phthalate	20.99	149	39548	1.295 ng/ul	100
85) Chrysene	21.08	228	730547	12.962 ng/ul	97
88) Benzo(b)fluoranthene	22.54	252	902526m	14.832 ng/ul	
89) Benzo(k)fluoranthene	22.57	252	314554	5.205 ng/ul#	92
91) Benzo(a)pyrene	23.06	252	614273	10.956 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.20	276	461379	6.421 ng/ul	97
93) Dibenzo(a,h)anthracene	25.21	278	124665	2.072 ng/ul#	88
94) Benzo(a,h,i)perylene	25.83	276	369291	6.199 ng/ul	97

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

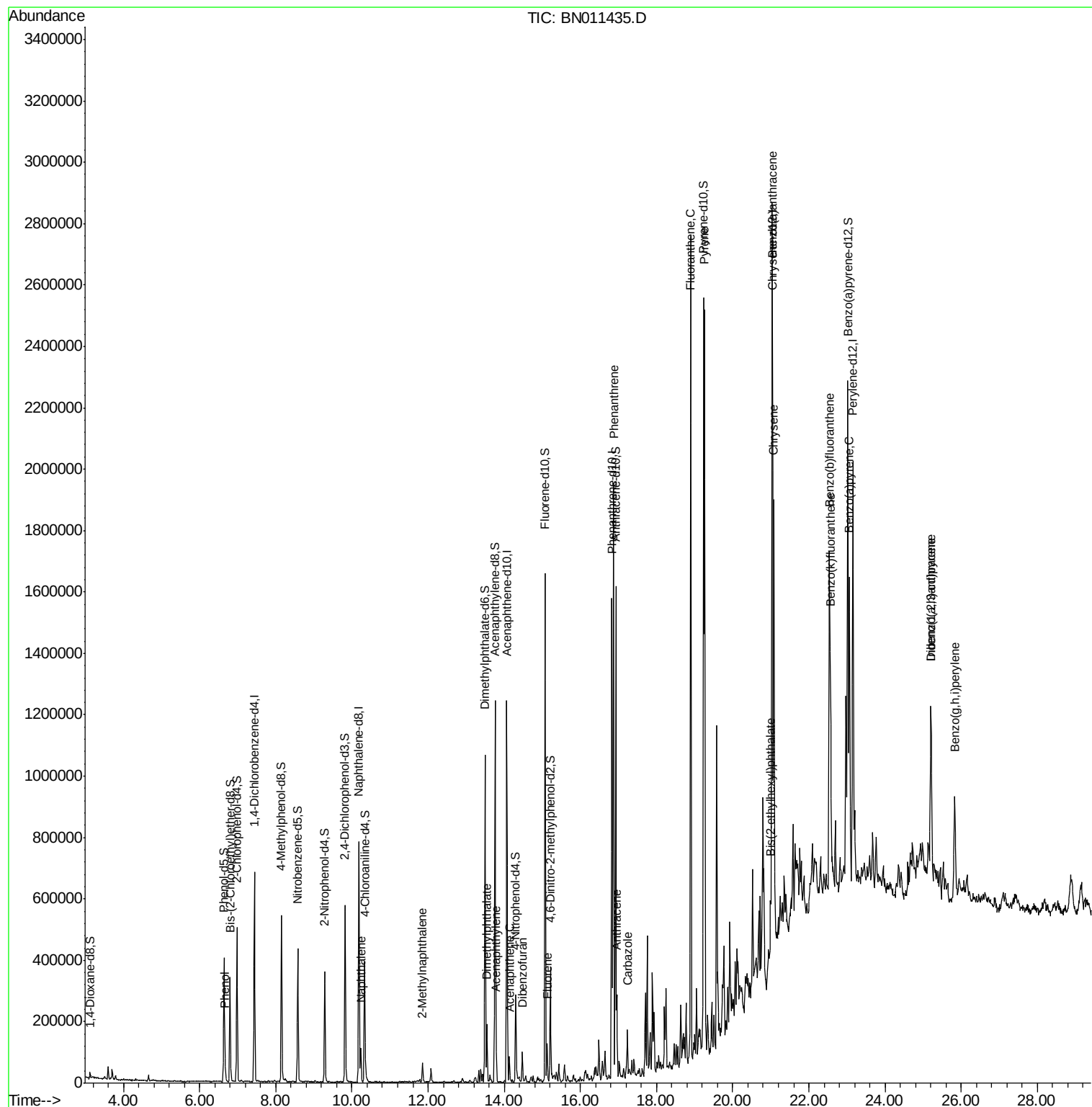
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
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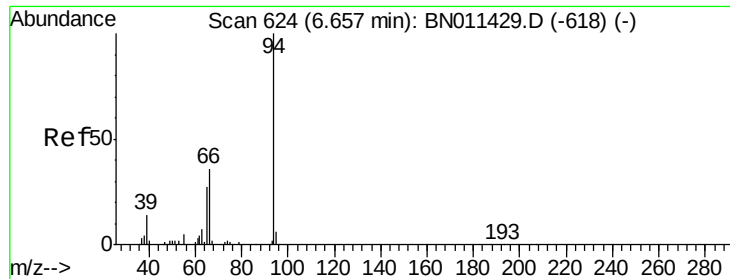
Instrument :
BNA_N
ClientSampled :
BFMN0

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#6

Phenol

Concen: 2.449 ng/ul

RT: 6.67 min Scan# 626

Delta R.T. 0.00 min

Lab File: BN011435.D

Acq: 14 Aug 2020 20:36

Instrument :

BNA_N

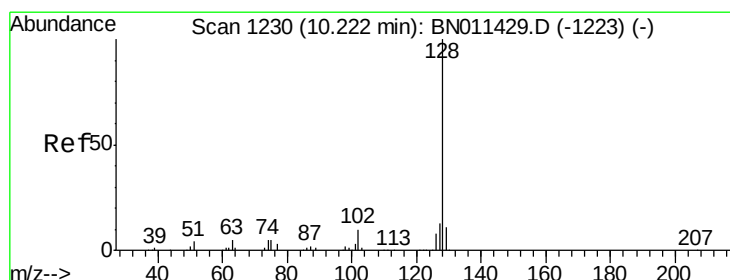
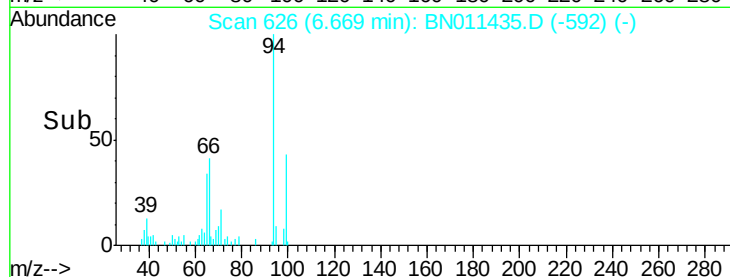
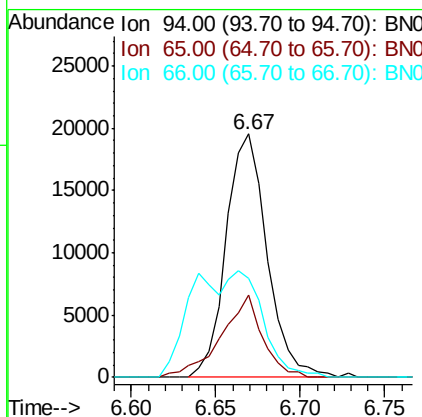
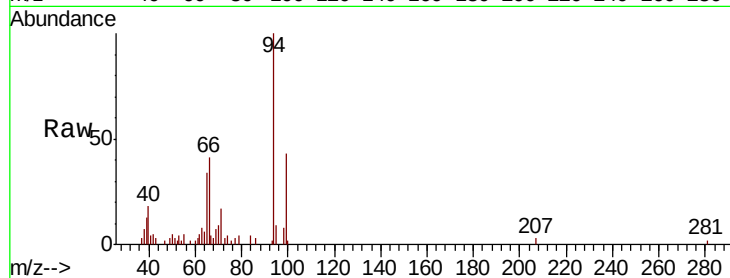
ClientSampled :

BFMN0

Tot Ion:	94	Resp:	33041
Ion Ratio	Lower	Upper	
94	100		
65	33.7	22.1	33.1#
66	40.7	32.1	48.1

Manual Integrations
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#28

Naphthalene

Concen: 2.534 ng/ul

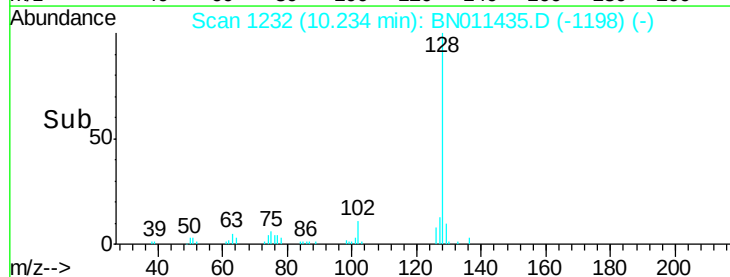
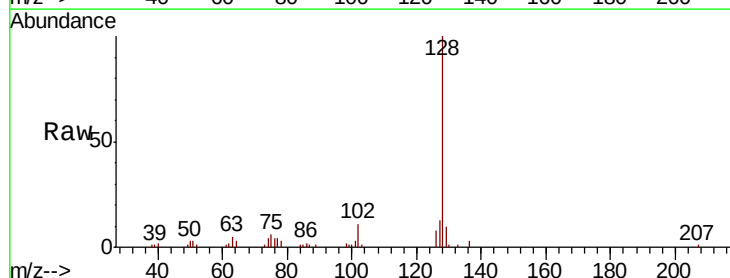
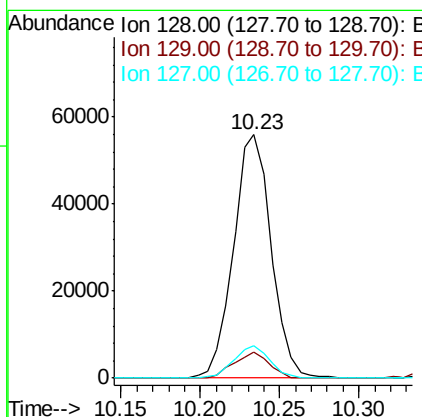
RT: 10.23 min Scan# 1232

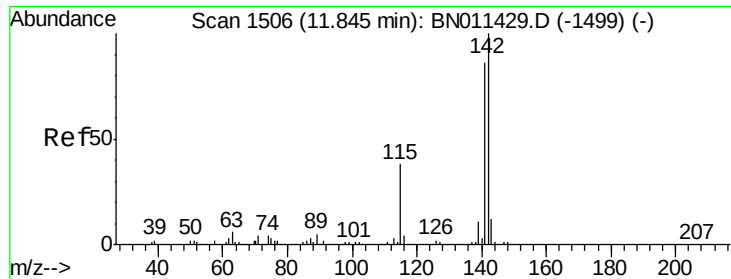
Delta R.T. 0.00 min

Lab File: BN011435.D

Acq: 14 Aug 2020 20:36

Tgt Ion:	128	Resp:	92434
Ion Ratio	Lower	Upper	
128	100		
129	10.4	8.9	13.3
127	13.2	10.2	15.2





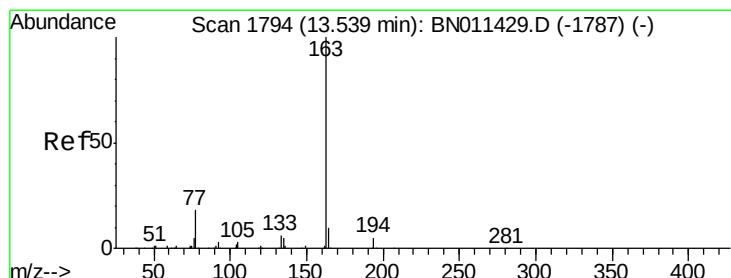
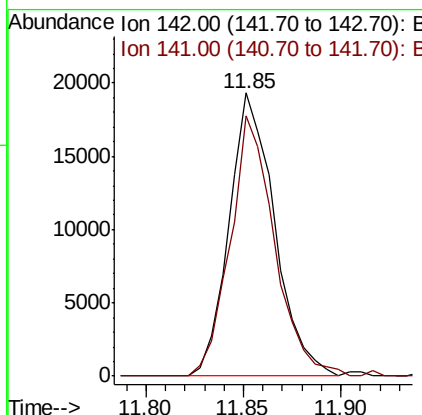
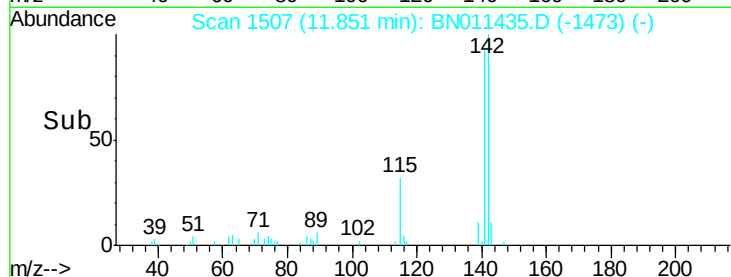
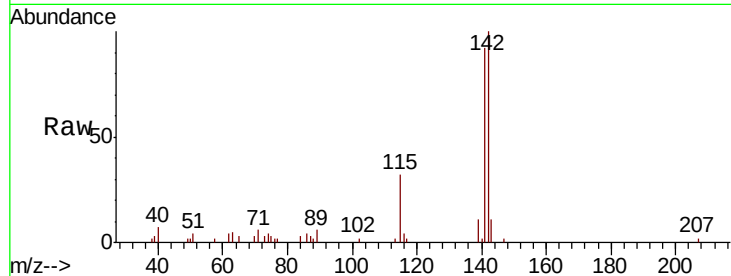
#34
2-Methylnaphthalene
Concen: 1.248 ng/ul
RT: 11.85 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BN011435.D
Acq: 14 Aug 2020 20:36

Instrument :
BNA_N
ClientSampleId :
BFMN0

Tot Ion:142 Resp: 31212
Ion Ratio Lower Upper
142 100
141 91.9 73.2 109.8

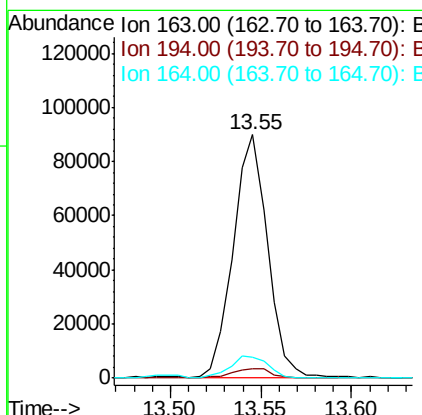
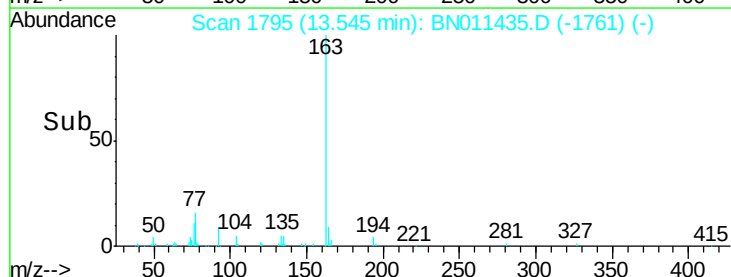
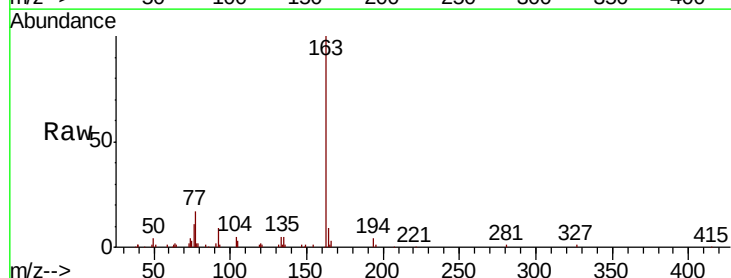
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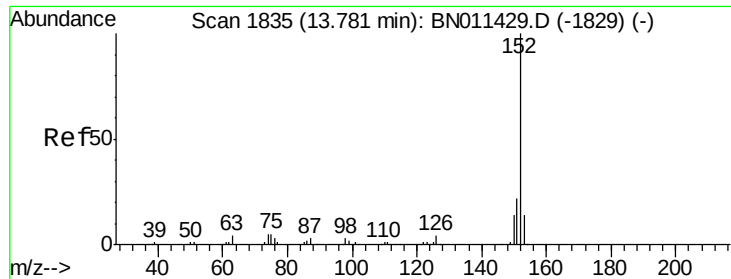
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#45
Dimethylphthalate
Concen: 3.747 ng/ul
RT: 13.55 min Scan# 1795
Delta R.T. 0.00 min
Lab File: BN011435.D
Acq: 14 Aug 2020 20:36

Tgt Ion:163 Resp: 119178
Ion Ratio Lower Upper
163 100
194 3.7 3.8 5.6#
164 8.7 8.7 13.1#





#48

Acenaphthylene

Concen: 1.856 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. 0.00 min

Lab File: BN011435.D

Acq: 14 Aug 2020 20:36

Instrument :

BNA_N

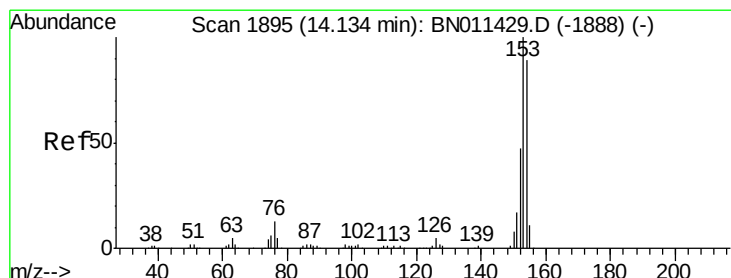
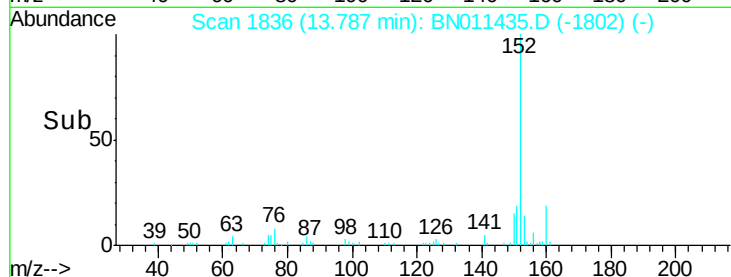
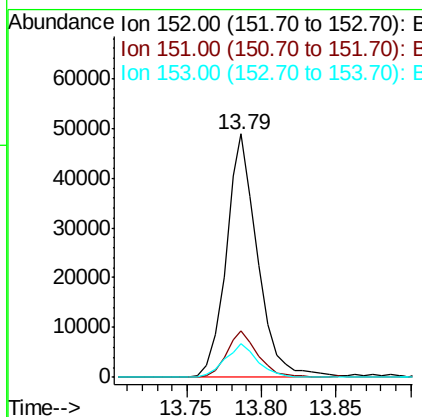
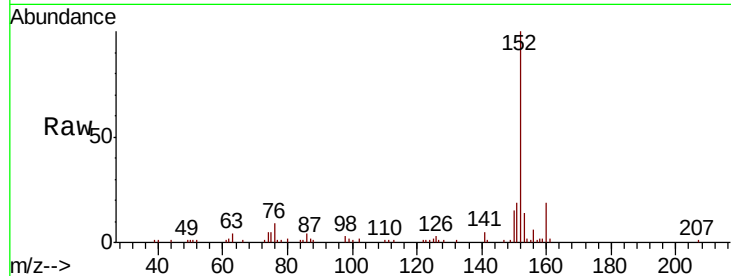
ClientSampleId :

BFMN0

Tot Ion:	152	Resp:	71668
Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.4	23.2
153	13.9	9.9	14.9

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#50

Acenaphthene

Concen: 1.285 ng/ul

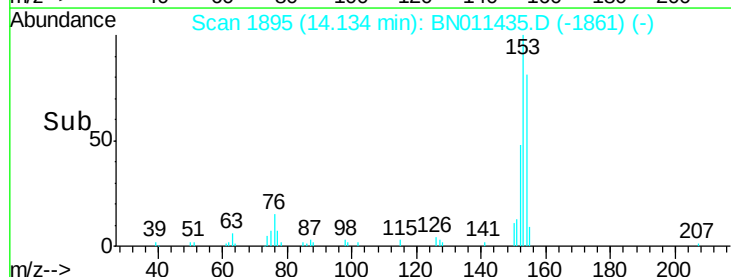
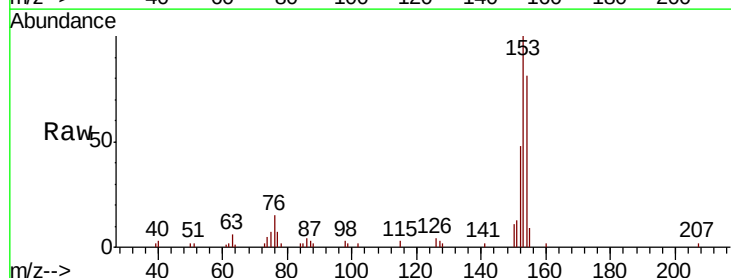
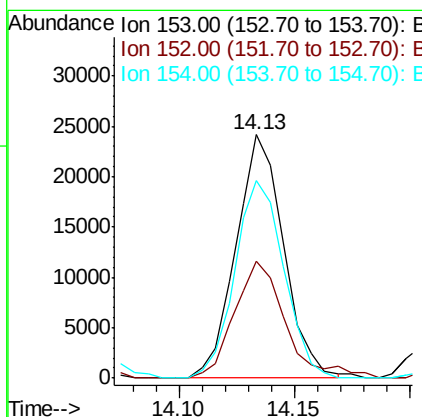
RT: 14.13 min Scan# 1895

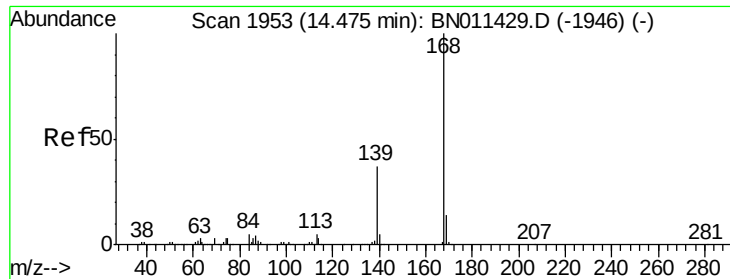
Delta R.T. 0.00 min

Lab File: BN011435.D

Acq: 14 Aug 2020 20:36

Tgt Ion:	153	Resp:	34750
Ion	Ratio	Lower	Upper
153	100		
152	47.8	37.6	56.4
154	81.2	72.0	108.0





#54

Dibenzenofuran

Concen: 1.320 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BN011435.D

Acq: 14 Aug 2020 20:36

Instrument :

BNA_N

ClientSampleId :

BFMN0

Tot Ion:168 Resp: 51751

Ion Ratio Lower Upper

168 100

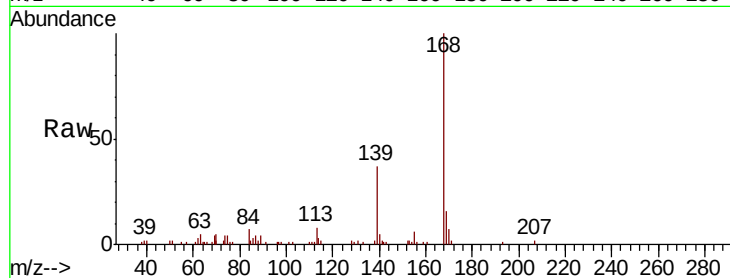
139 37.4 31.1 46.7

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.47

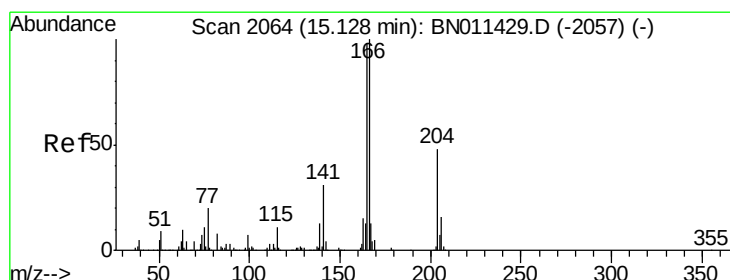
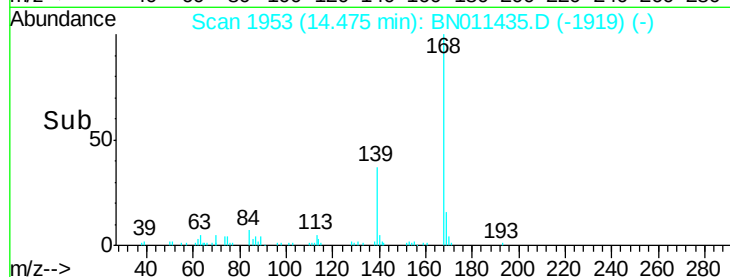
30000

20000

10000

0

Time-->



#59

Fluorene

Concen: 1.432 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. 0.00 min

Lab File: BN011435.D

Acq: 14 Aug 2020 20:36

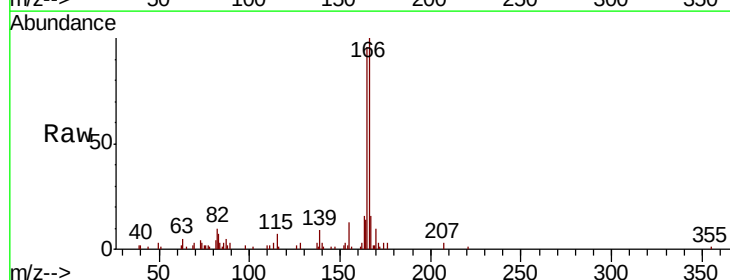
Tgt Ion:166 Resp: 45246

Ion Ratio Lower Upper

166 100

165 96.4 78.0 117.0

167 16.2 11.9 17.9



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

15.13

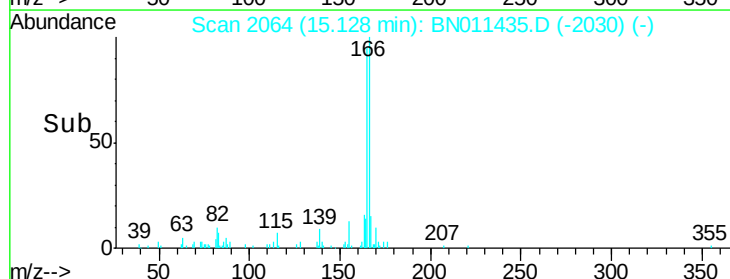
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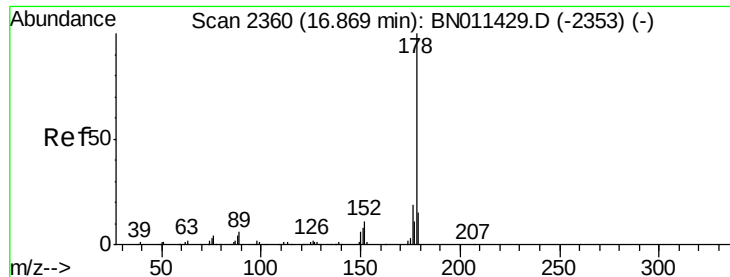
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Time-->





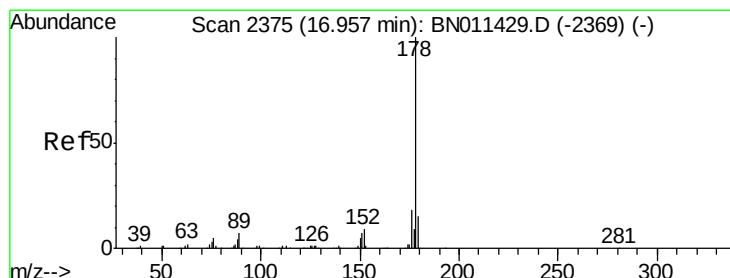
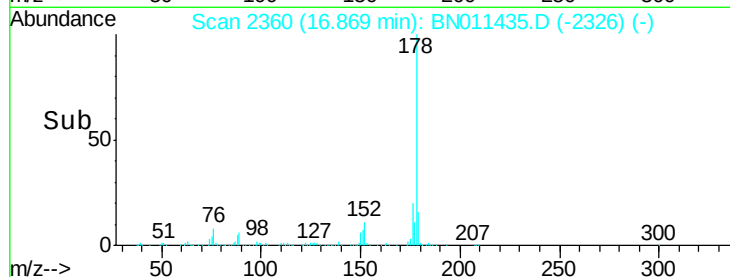
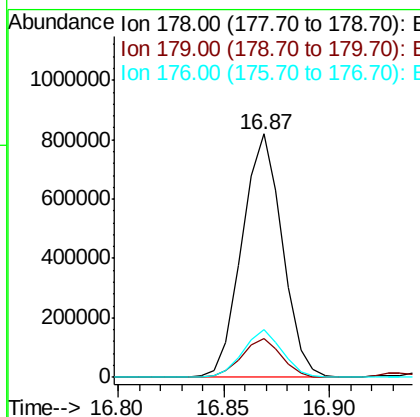
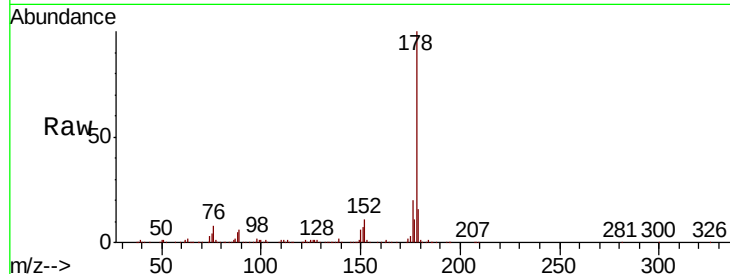
#70
Phenanthrene
Concen: 20.097 ng/ul
RT: 16.87 min Scan# 2360
Delta R.T. 0.00 min
Lab File: BN011435.D
Acq: 14 Aug 2020 20:36

Instrument :
BNA_N
ClientSampleId :
BFMN0

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.1	13.1	19.7
176	19.9	15.7	23.5

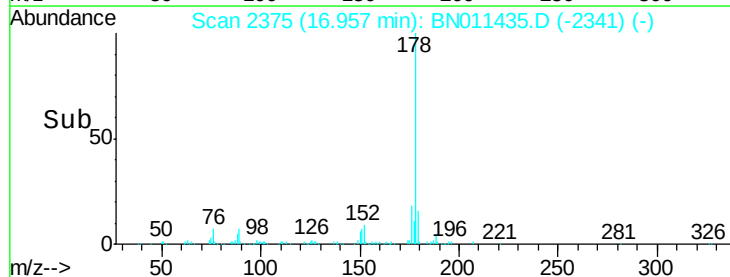
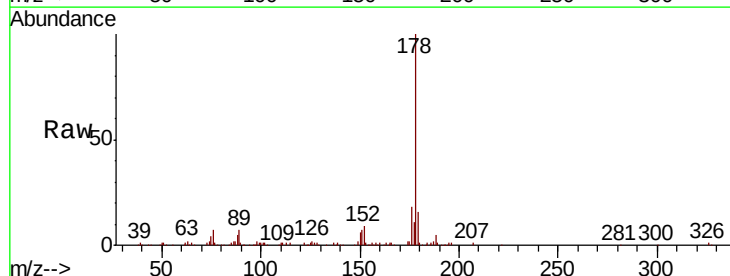
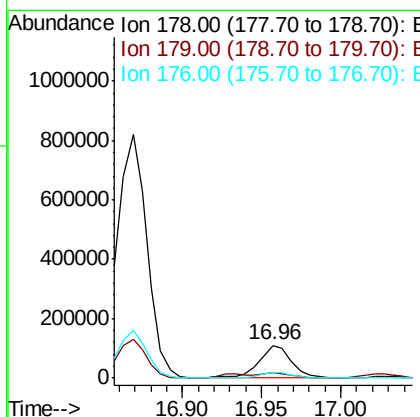
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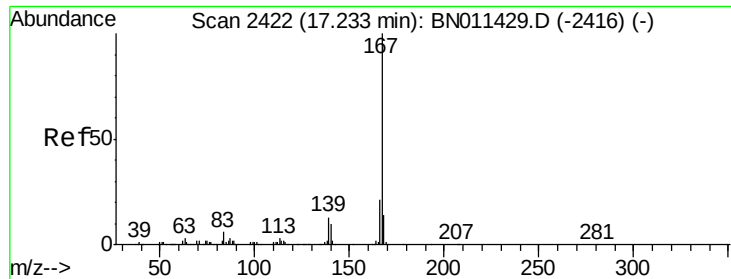
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#72
Anthracene
Concen: 2.853 ng/ul
RT: 16.96 min Scan# 2375
Delta R.T. 0.00 min
Lab File: BN011435.D
Acq: 14 Aug 2020 20:36

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	13.0	19.4
176	17.5	14.6	21.8





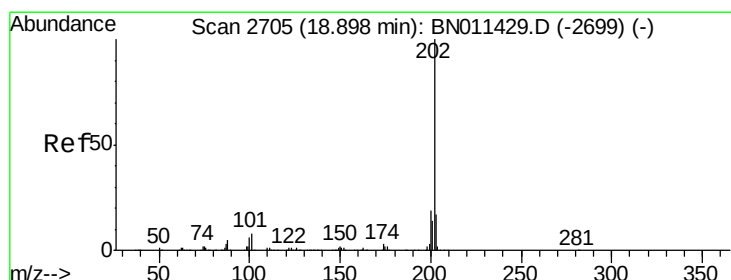
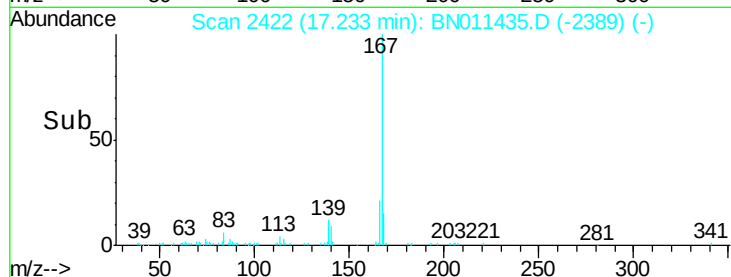
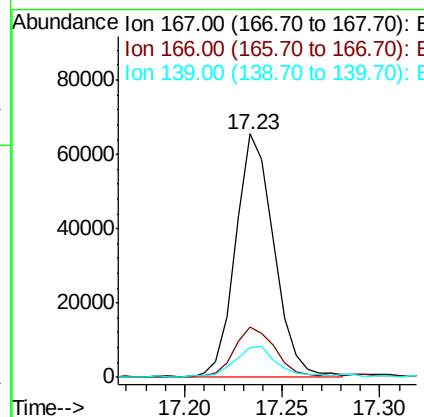
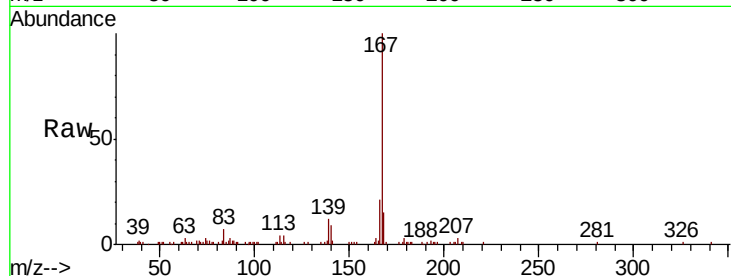
#75
 Carbazole
 Concen: 1.946 ng/ul
 RT: 17.23 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BN011435.D
 Acq: 14 Aug 2020 20:36

Instrument :
 BNA_N
 ClientSampleId :
 BFMN0

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.2	25.8
139	12.1	10.2	15.2

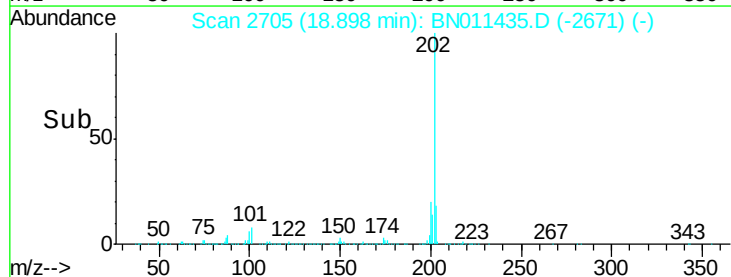
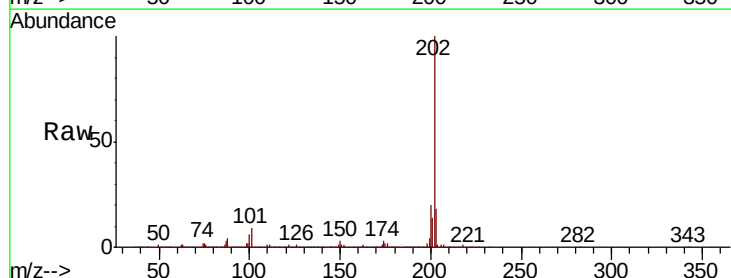
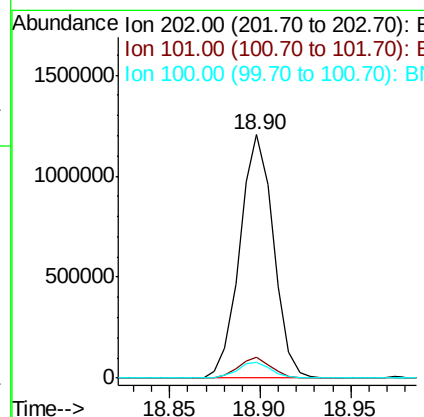
Manual Integrations
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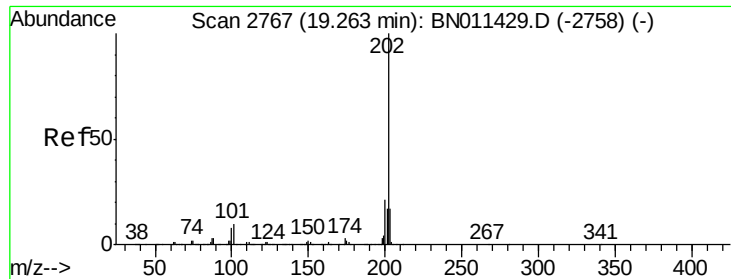
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#77
 Fluoranthene
 Concen: 23.425 ng/ul
 RT: 18.90 min Scan# 2705
 Delta R.T. 0.00 min
 Lab File: BN011435.D
 Acq: 14 Aug 2020 20:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.3	10.9
100	6.4	5.2	7.8





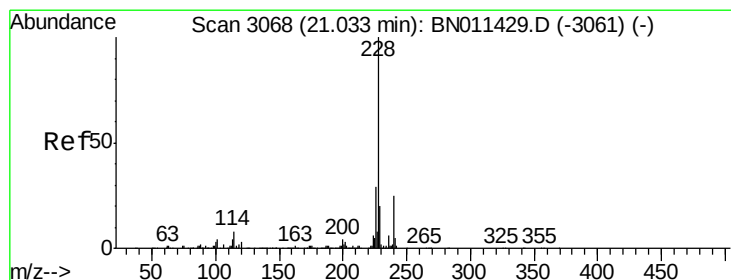
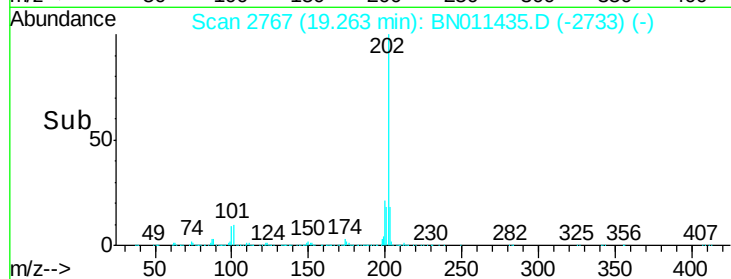
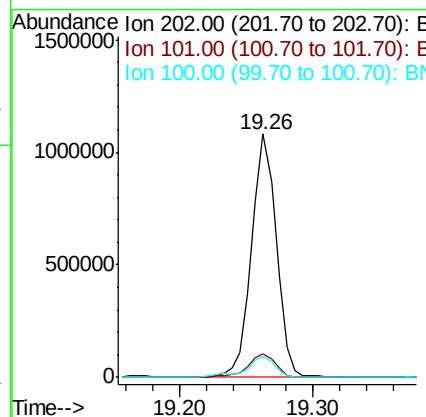
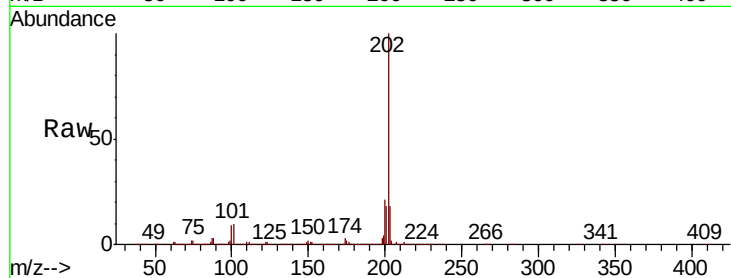
#80
Pvrene
Concen: 22.912 ng/ul
RT: 19.26 min Scan# 2767
Delta R.T. 0.00 min
Lab File: BN011435.D
Acq: 14 Aug 2020 20:36

Instrument :
BNA_N
ClientSampleId :
BFMN0

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.8	11.8
100	8.5	6.5	9.7

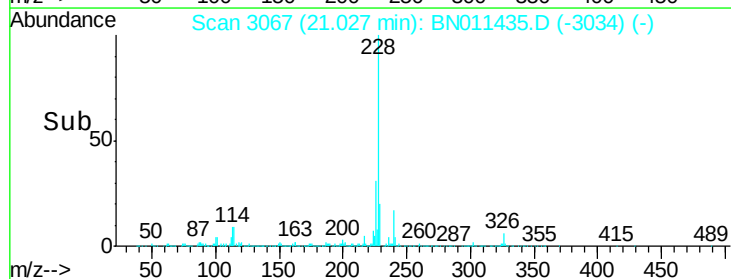
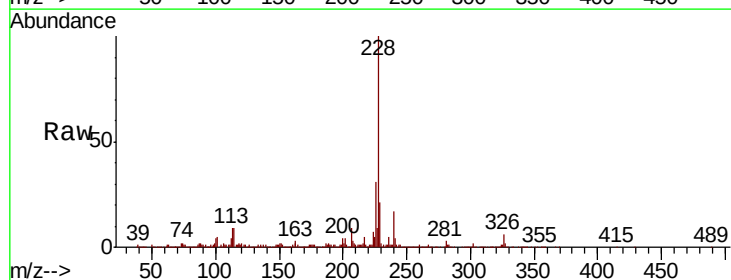
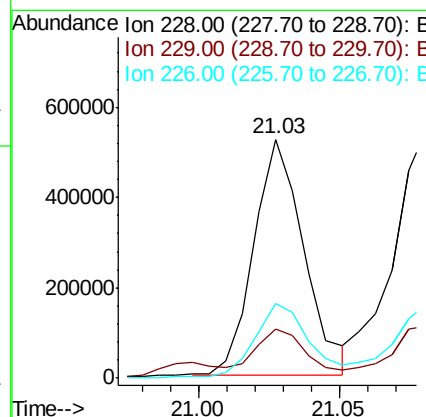
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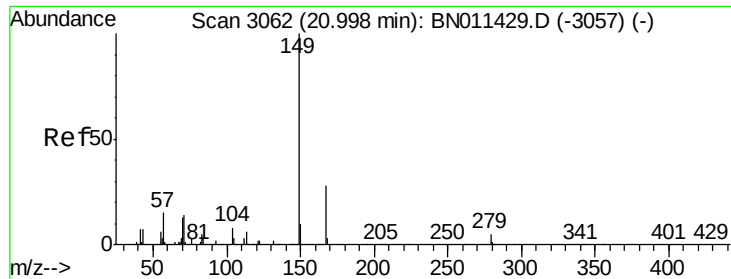
mohammad
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#83
Benzo(a)anthracene
Concen: 11.386 ng/ul
RT: 21.03 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BN011435.D
Acq: 14 Aug 2020 20:36

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.0	22.4
226	31.1	21.5	32.3





#84

Bis(2-ethylhexyl)phthalate

Concen: 1.295 ng/ul

RT: 20.99 min Scan# 3061

Delta R.T. -0.01 min

Lab File: BN011435.D

Acq: 14 Aug 2020 20:36

Instrument :

BNA_N

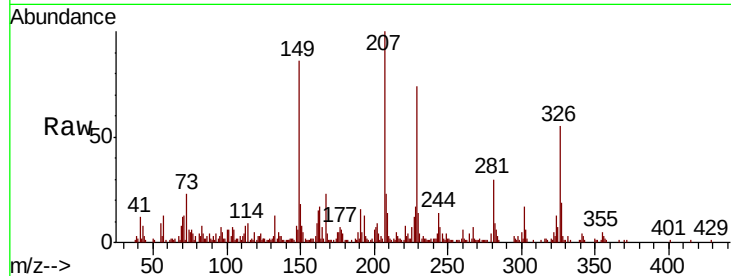
ClientSampled :

BFMN0

Tot Ion:	149	Resp:	39548
Ion Ratio	Lower	Upper	
149	100		
167	27.1	21.8	32.6
279	4.9	3.3	4.9

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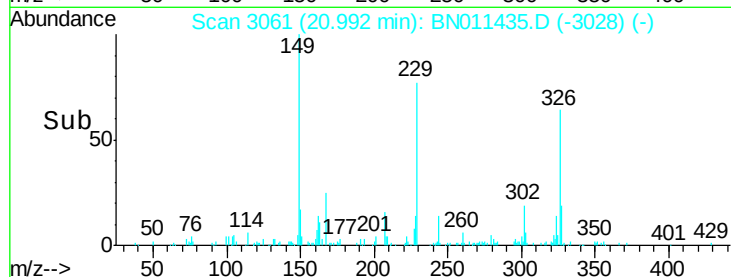


Abundance Ion 149.00 (148.70 to 149.70): E

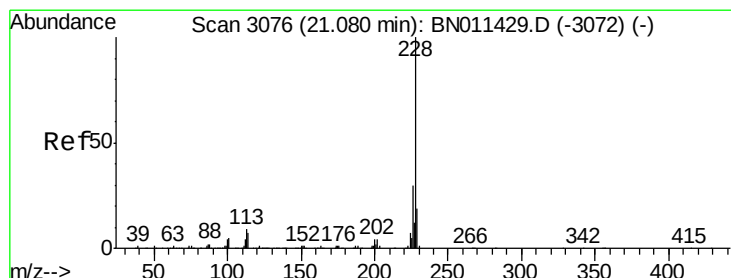
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



Time-->



#85

Chrysene

Concen: 12.962 ng/ul

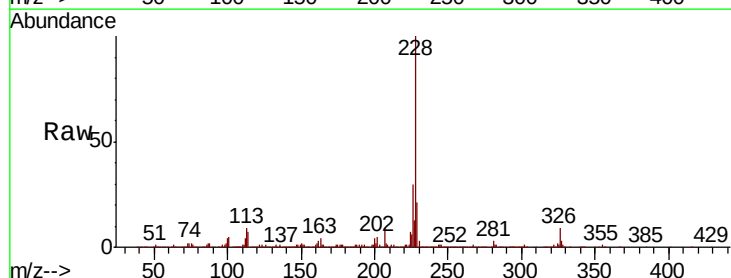
RT: 21.08 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BN011435.D

Acq: 14 Aug 2020 20:36

Tgt Ion:	228	Resp:	730547
Ion Ratio	Lower	Upper	
228	100		
226	29.8	23.5	35.3
229	21.3	15.0	22.6

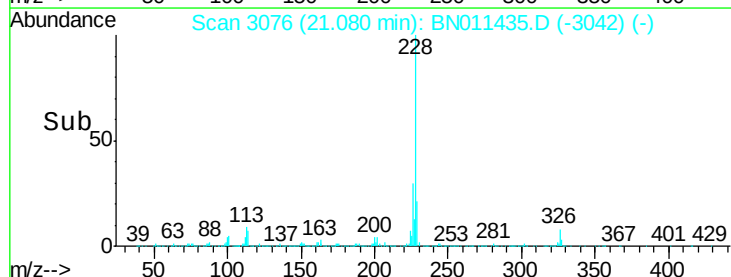


Abundance Ion 228.00 (227.70 to 228.70): E

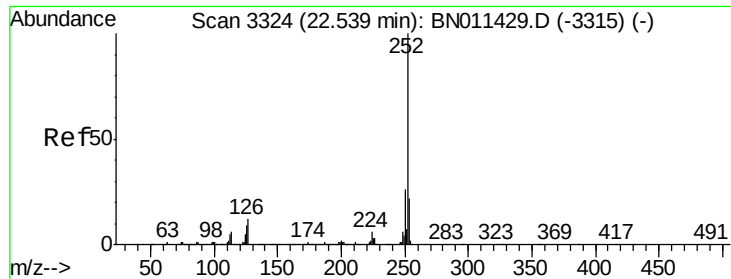
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



Time-->



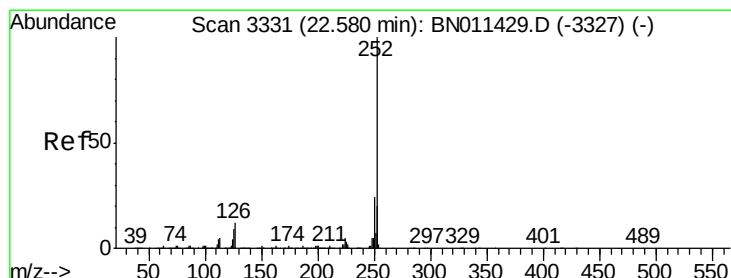
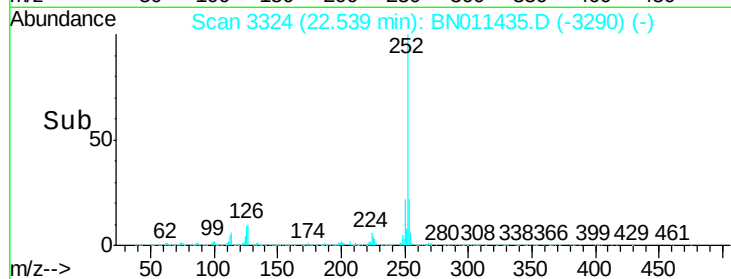
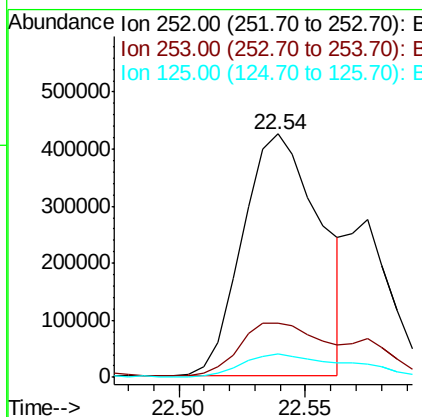
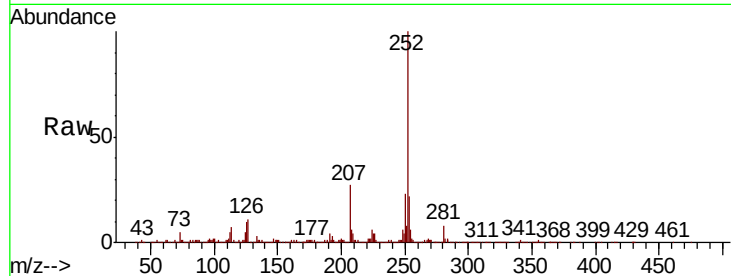
#88
Benzo(b)fluoranthene
Concen: 14.832 ng/ul m
RT: 22.54 min Scan# 3324
Delta R.T. 0.00 min
Lab File: BN011435.D
Acq: 14 Aug 2020 20:36

Instrument :
BNA_N
ClientSampled :
BFMNO

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	9.9	6.6	9.8#

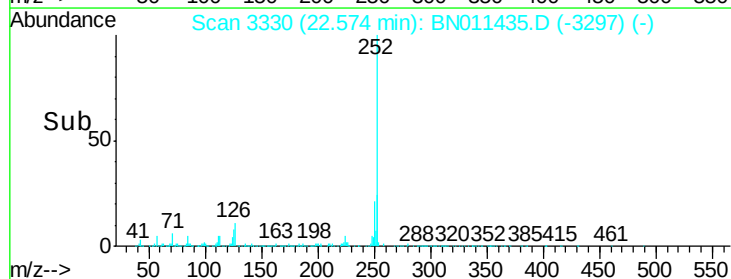
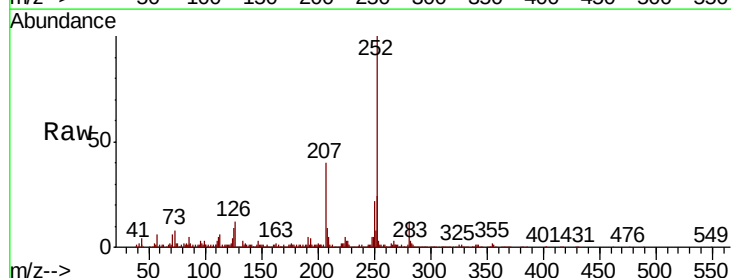
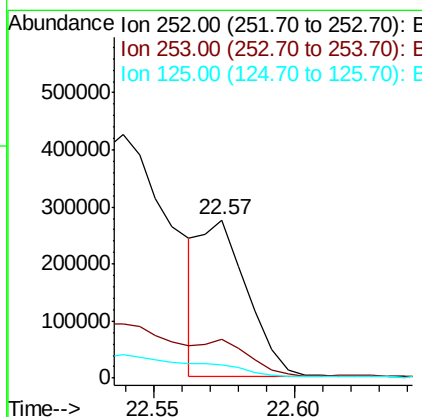
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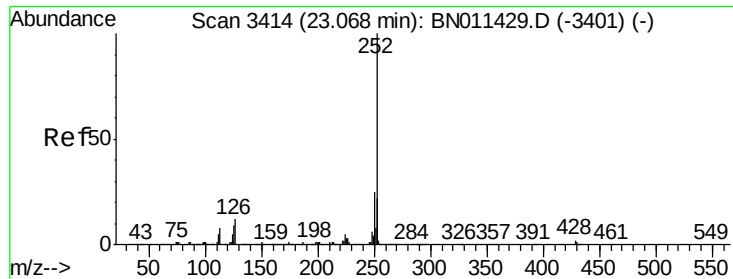
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.205 ng/ul
RT: 22.57 min Scan# 3330
Delta R.T. -0.01 min
Lab File: BN011435.D
Acq: 14 Aug 2020 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	15.8	23.6#
125	8.6	6.0	9.0





#91

Benzo(a)pyrene

Concen: 10.956 ng/ul

RT: 23.06 min Scan# 3413

Delta R.T. -0.01 min

Lab File: BN011435.D

Acq: 14 Aug 2020 20:36

Instrument :

BNA_N

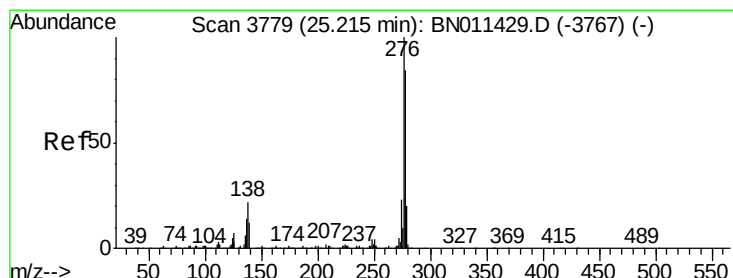
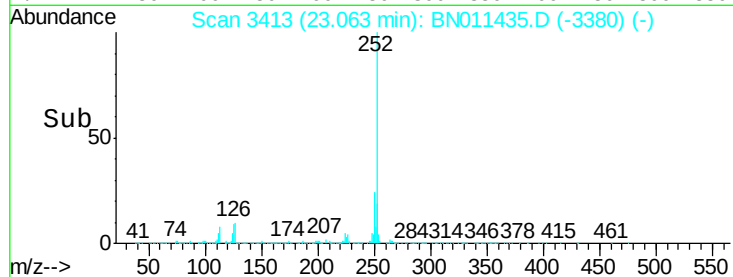
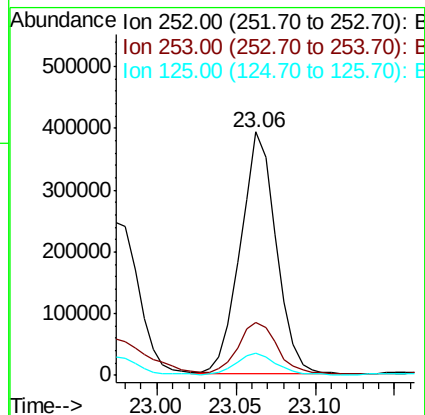
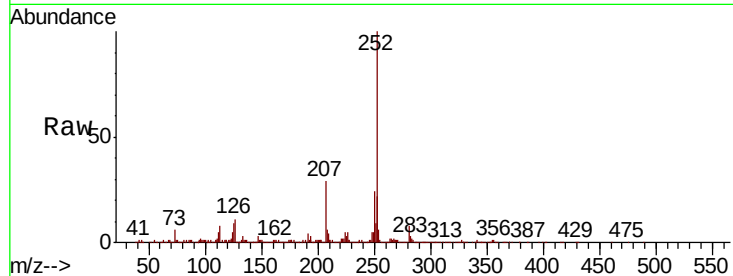
ClientSampled :

BFMN0

Tot Ion:	252	Resp:	614273
Ion Ratio	Lower	Upper	
252	100		
253	22.0	16.6	25.0
125	9.2	7.1	10.7

Manual Integrations
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#92

Indeno(1,2,3-cd)pyrene

Concen: 6.421 ng/ul

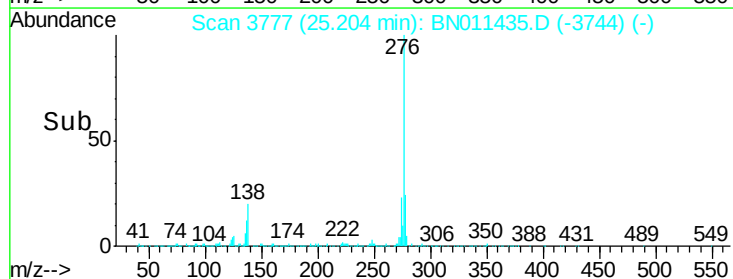
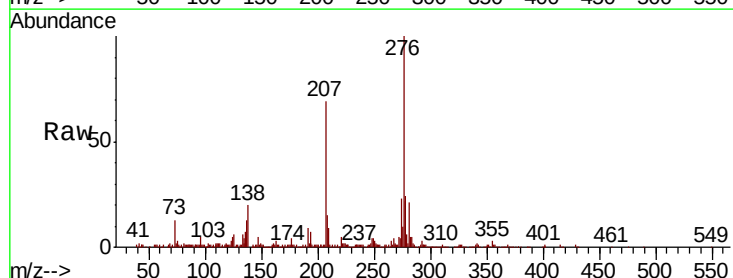
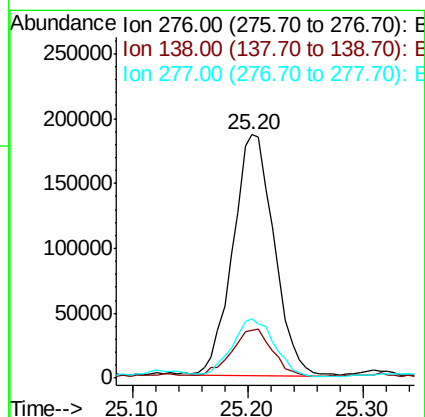
RT: 25.20 min Scan# 3777

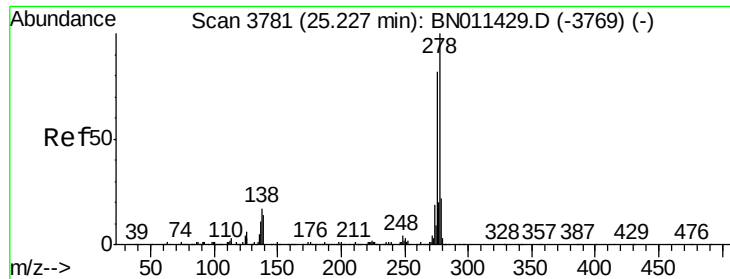
Delta R.T. -0.01 min

Lab File: BN011435.D

Acq: 14 Aug 2020 20:36

Tgt Ion:	276	Resp:	461379
Ion Ratio	Lower	Upper	
276	100		
138	19.7	17.0	25.4
277	24.1	18.1	27.1





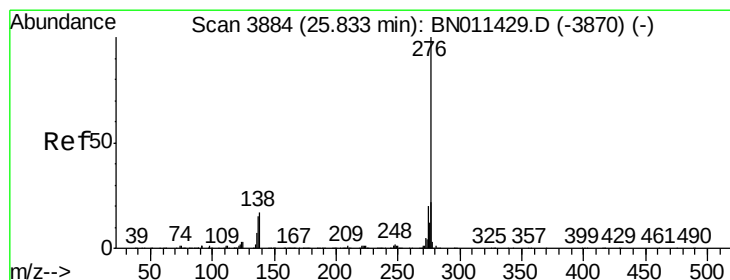
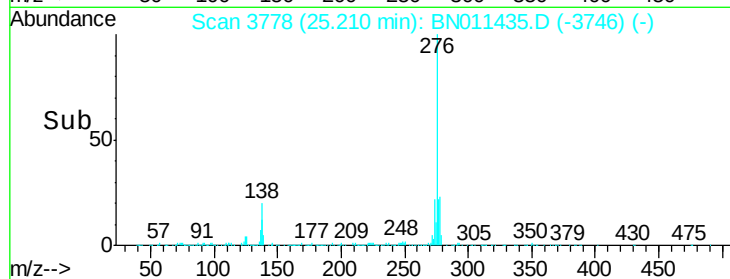
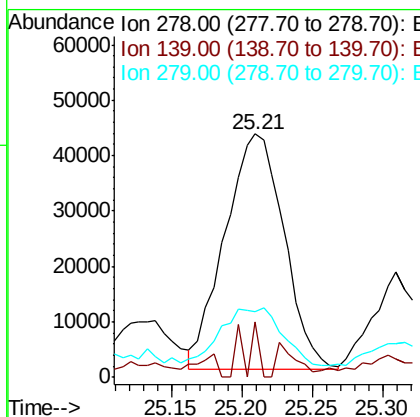
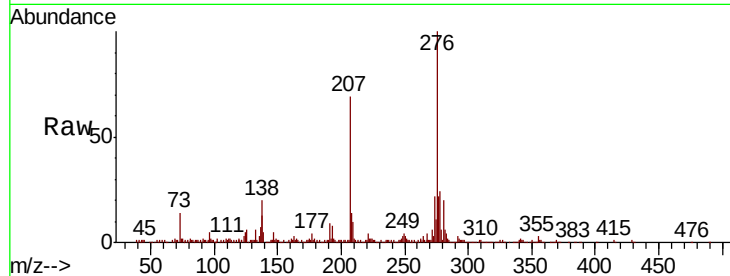
#93
Dibenzo(a,h)anthracene
Concen: 2.072 ng/ul
RT: 25.21 min Scan# 3778
Delta R.T. -0.01 min
Lab File: BN011435.D
Acq: 14 Aug 2020 20:36

Instrument :
BNA_N
ClientSampled :
BFMN0

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.0	11.7	17.5#
279	27.2	19.3	28.9

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 6.199 ng/ul
RT: 25.83 min Scan# 3884
Delta R.T. 0.01 min
Lab File: BN011435.D
Acq: 14 Aug 2020 20:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	15.3	22.9
277	22.8	16.2	24.4

