

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\
 Data File : BN010489.D
 Acq On : 14 Apr 2020 22:06
 Operator : CG/JU
 Sample : L2178-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-1D

Manual Integrations
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Quant Time: Apr 14 22:48:26 2020

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 13 18:04:22 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	4075	0.40	ng	0.00
7) Naphthalene-d8	10.37	136	16782	0.40	ng	0.00
13) Acenaphthene-d10	14.22	164	10927	0.40	ng	0.00
19) Phenanthrene-d10	16.97	188	25971	0.40	ng	0.00
27) Chrysene-d12	21.17	240	26627	0.40	ng	-0.01
34) Perylene-d12	23.35	264	23626	0.40	ng	-0.01

System Monitoring Compounds

4) 2-Fluorophenol	5.25	112	1892	0.21	ng	0.00
5) Phenol-d6	6.79	99	1349	0.12	ng	0.00
8) Nitrobenzene-d5	8.73	82	9069	0.77	ng	-0.01
11) 2-Methylnaphthalene-d10	11.96	152	10965	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.72	330	2616	0.51	ng	0.00
15) 2-Fluorobiphenyl	12.84	172	31390	0.79	ng	0.00
25) Fluoranthene-d10	19.01	212	31631	0.40	ng	0.00
29) Terphenyl-d14	19.62	244	44983	0.74	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.41	128	2468	0.059	ng	# 86
17) Acenaphthene	14.29	154	1779	0.059	ng	94
18) Fluorene	15.28	166	1768	0.045	ng	# 81
23) Phenanthrene	17.02	178	2189m	0.031	ng	
24) Anthracene	17.10	178	21417	0.334	ng	97
26) Fluoranthene	19.04	202	118171	1.354	ng	100
28) Pyrene	19.41	202	76291	0.851	ng	99
30) Benzo(a)anthracene	21.16	228	4208	0.048	ng	# 81
31) Chrysene	21.22	228	3894	0.045	ng	# 80
32) Bis(2-ethylhexyl)phthalate	21.12	149	2992	0.067	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.49	276	1824	0.024	ng	# 90
35) Benzo(b)fluoranthene	22.70	252	2279	0.029	ng	# 25
36) Benzo(k)fluoranthene	22.75	252	2208	0.028	ng	# 4
37) Benzo(a)pyrene	23.26	252	1956	0.028	ng	# 7
38) Dibenzo(a,h)anthracene	25.51	278	1398	0.022	ng	# 24
39) Benzo(g,h,i)perylene	26.14	276	1812	0.029	ng	# 63

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

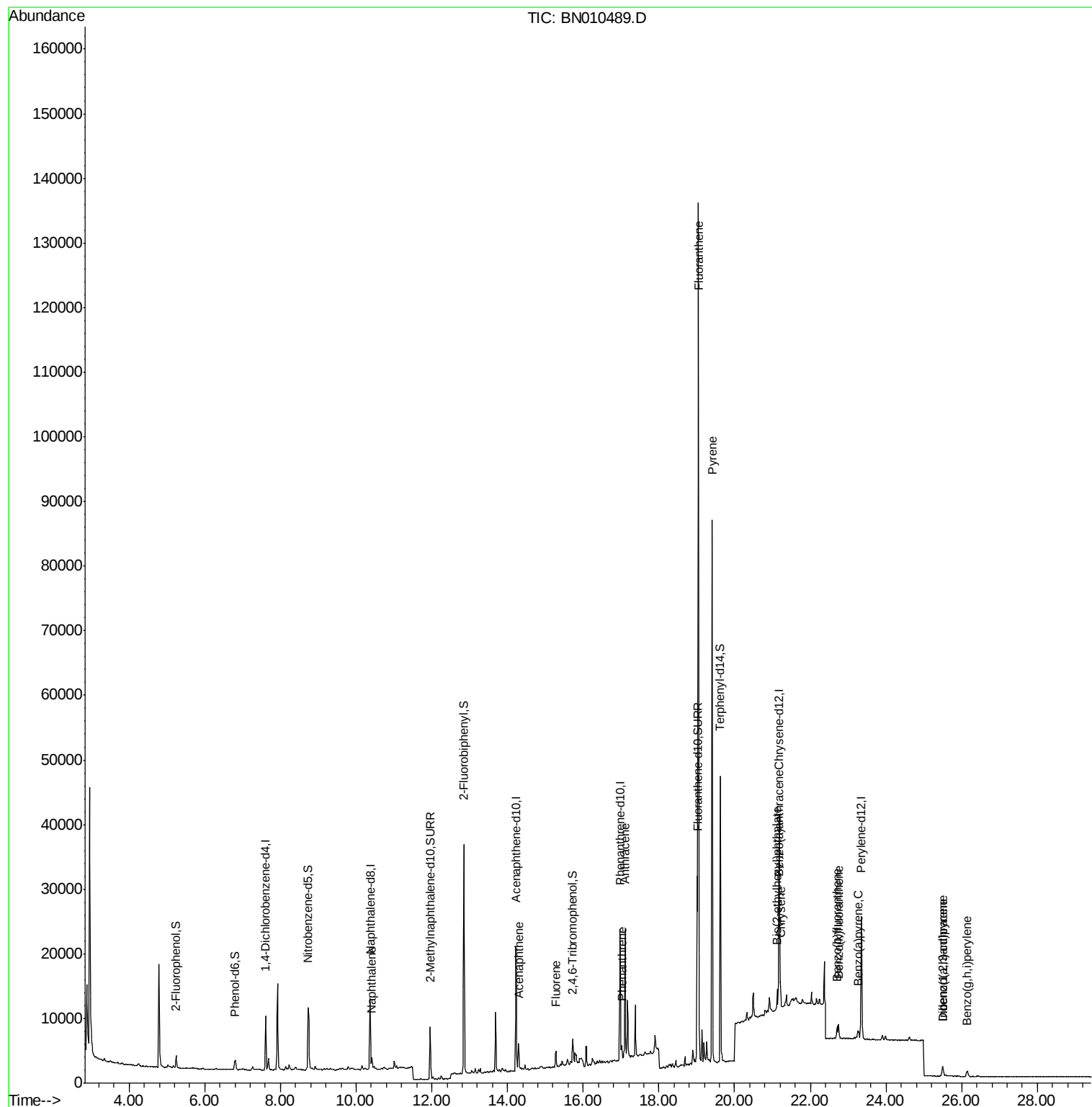
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\
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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.61 min Scan# 593

Delta R.T. -0.01 min

Lab File: BN010489.D

Acq: 14 Apr 2020 22:06

Instrument :

BNA_N

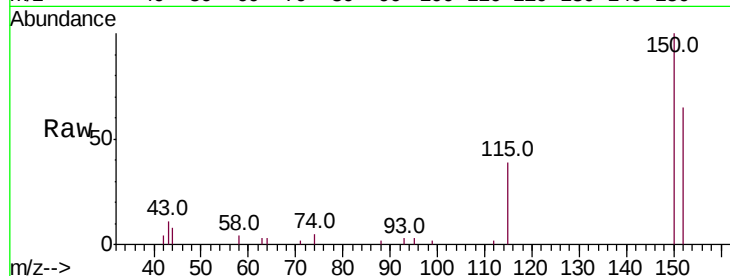
ClientSampled :

MW-1D

Tot Ion:	152	Resp:	4075
Ion	Ratio	Lower	Upper
152	100		
150	154.4	121.8	182.6
115	60.5	45.5	68.3

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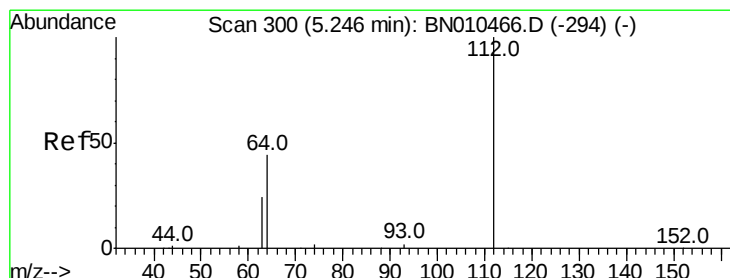
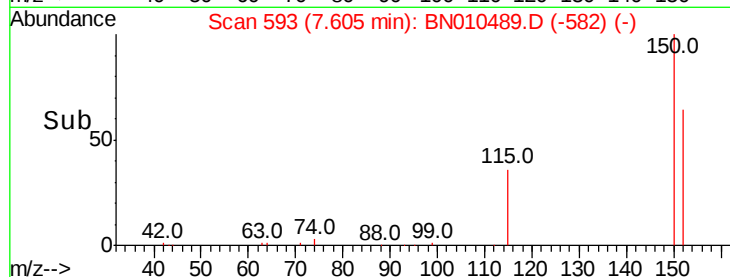
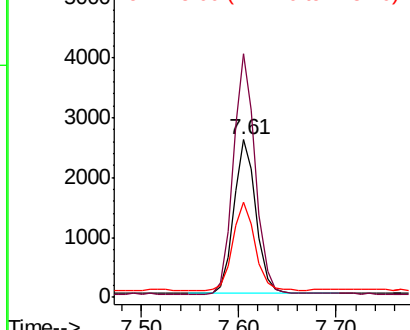


Abundance

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: 0.212 ng

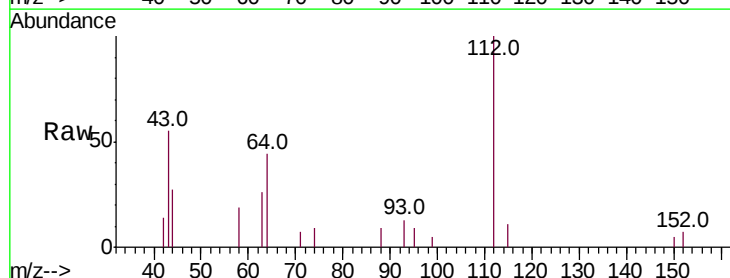
RT: 5.25 min Scan# 300

Delta R.T. -0.00 min

Lab File: BN010489.D

Acq: 14 Apr 2020 22:06

Tgt Ion:	112	Resp:	1892
Ion	Ratio	Lower	Upper
112	100		
64	43.4	35.8	53.8
63	22.0	19.9	29.9

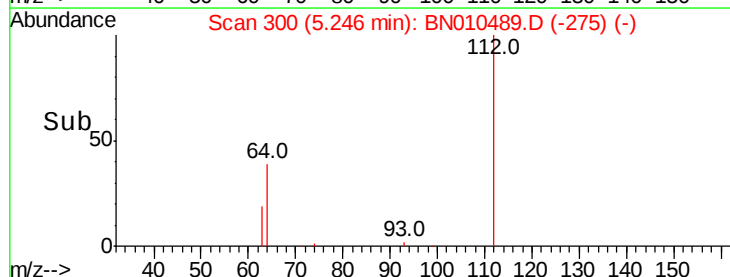
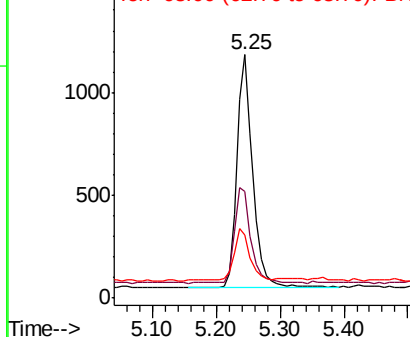


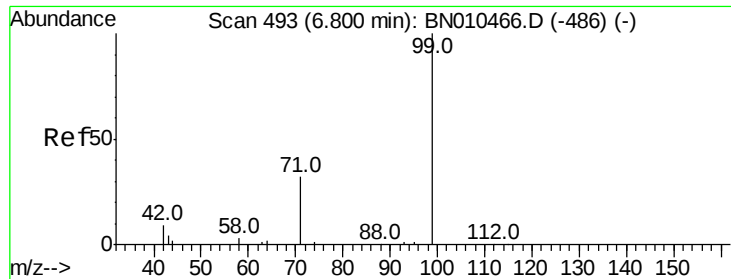
Abundance

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: 0.116 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010489.D

Acq: 14 Apr 2020 22:06

Instrument :

BNA_N

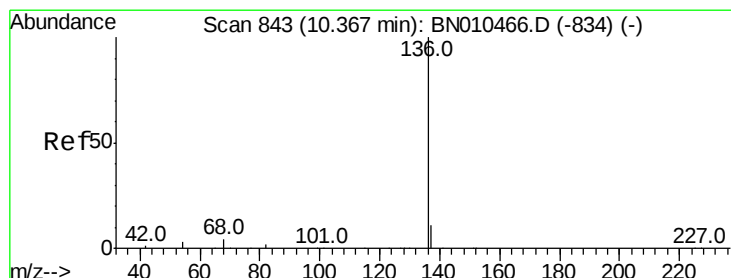
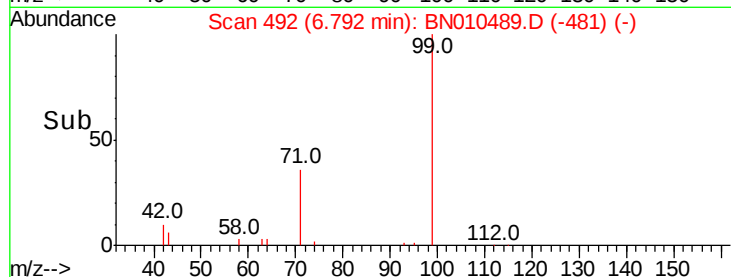
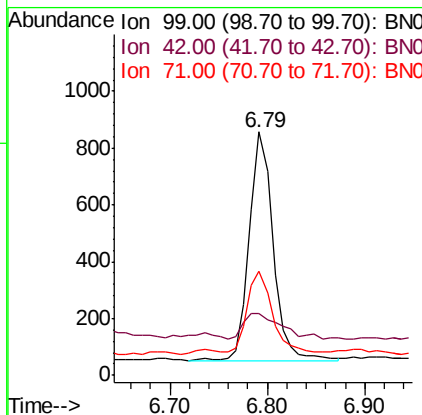
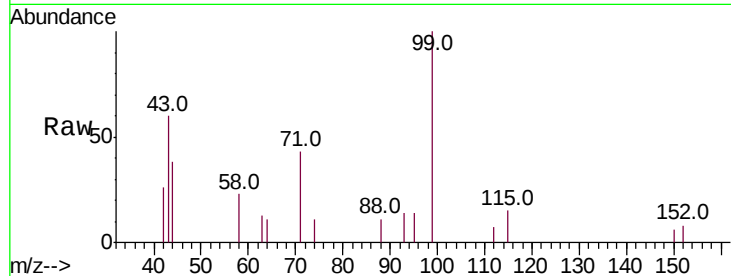
ClientSampled :

MW-1D

Tot Ion:	99	Resp:	1349
Ion	Ratio	Lower	Upper
99	100		
42	18.7	9.8	14.6#
71	39.4	27.8	41.8

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#7

Naphthalene-d8

Concen: 0.400 ng

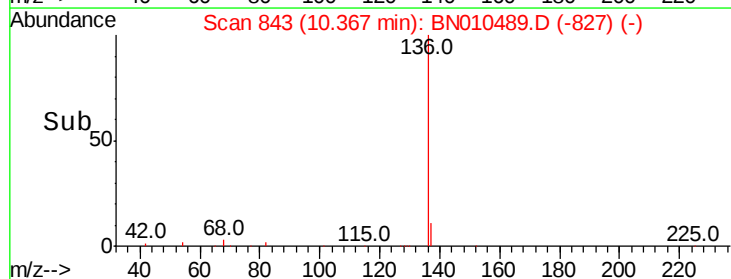
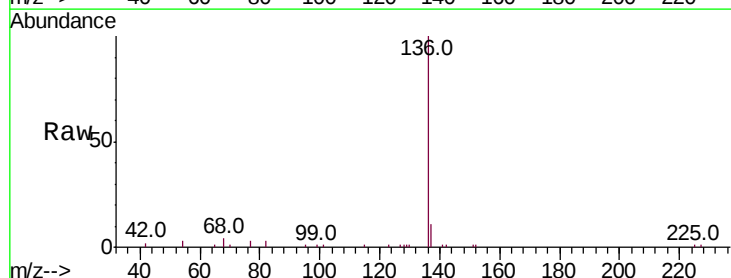
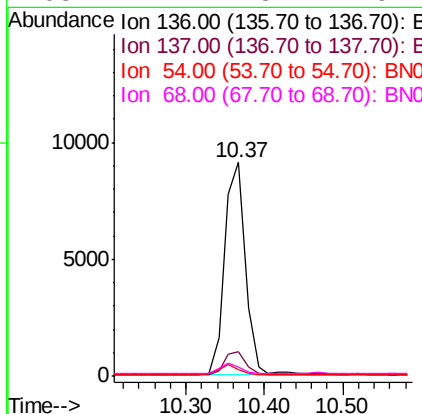
RT: 10.37 min Scan# 843

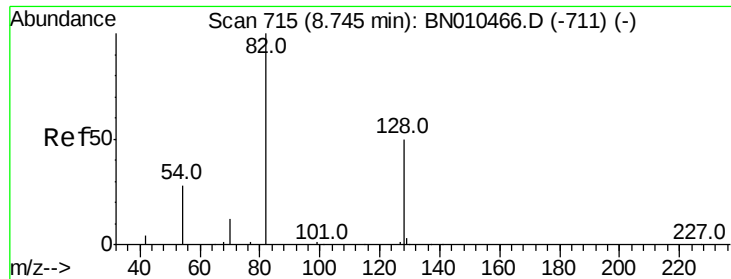
Delta R.T. -0.00 min

Lab File: BN010489.D

Acq: 14 Apr 2020 22:06

Tgt Ion:	136	Resp:	16782
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	3.1	2.6	4.0
68	4.2	3.4	5.2





#8

Nitrobenzene-d5

Concen: 0.773 ng

RT: 8.73 min Scan# 714

Delta R.T. -0.01 min

Lab File: BN010489.D

Acq: 14 Apr 2020 22:06

Instrument :

BNA_N

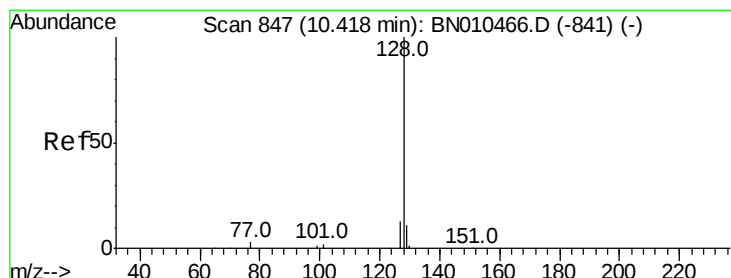
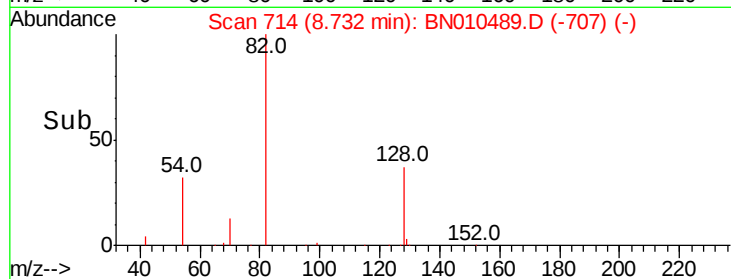
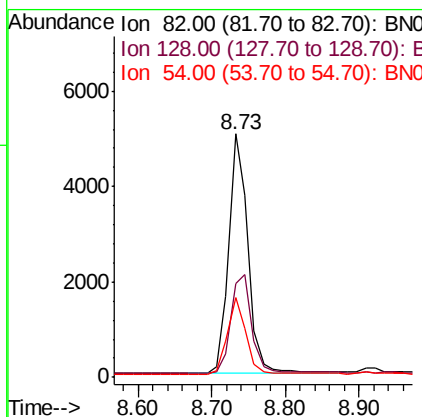
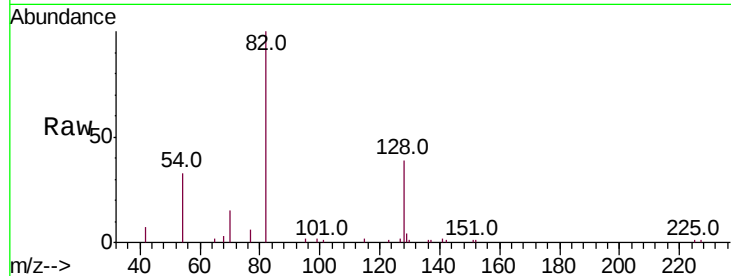
ClientSampleId :

MW-1D

Tot Ion:	82	Resp:	9069
Ion Ratio	Lower	Upper	
82	100		
128	38.7	41.3	61.9#
54	32.5	23.4	35.0

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#9

Naphthalene

Concen: 0.059 ng

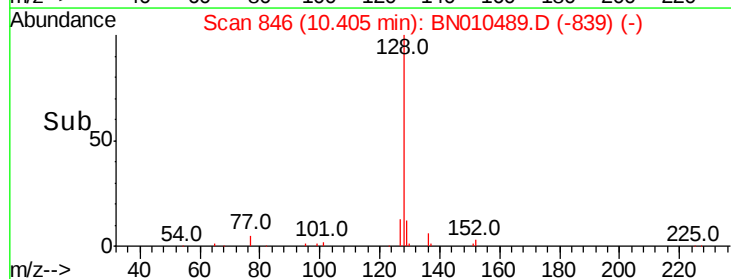
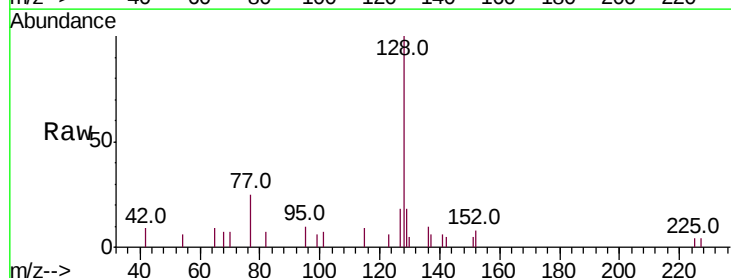
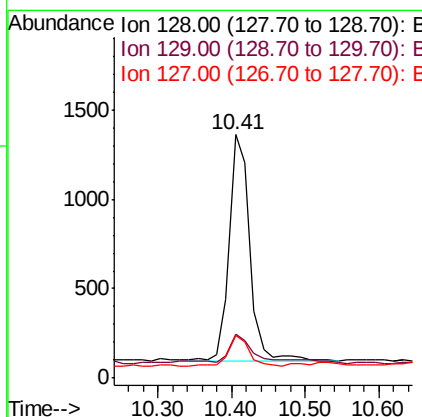
RT: 10.41 min Scan# 846

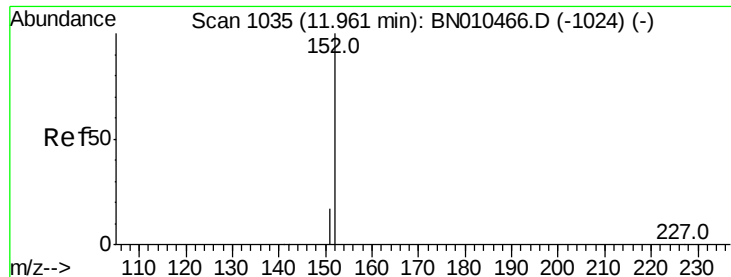
Delta R.T. -0.01 min

Lab File: BN010489.D

Acq: 14 Apr 2020 22:06

Tgt Ion:	128	Resp:	2468
Ion Ratio	Lower	Upper	
128	100		
129	18.0	9.3	13.9#
127	17.5	10.5	15.7#





#11

2-Methylnaphthalene-d10

Concen: 0.397 ng

RT: 11.96 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BN010489.D

Acq: 14 Apr 2020 22:06

Instrument :

BNA_N

ClientSampleId :

MW-1D

Tot Ion:152 Resp: 10965

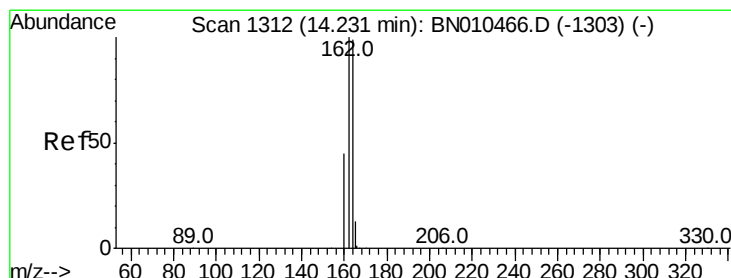
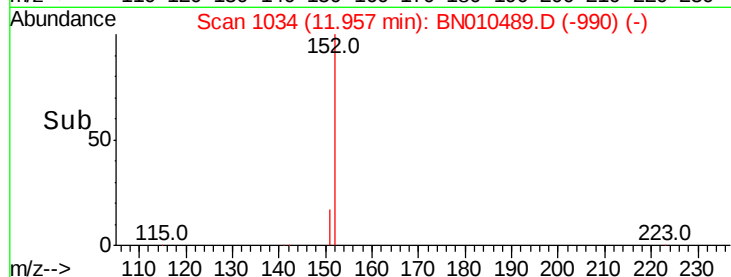
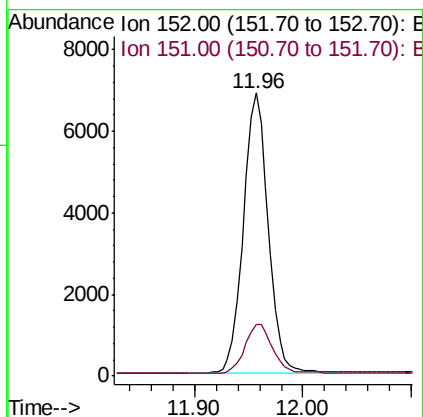
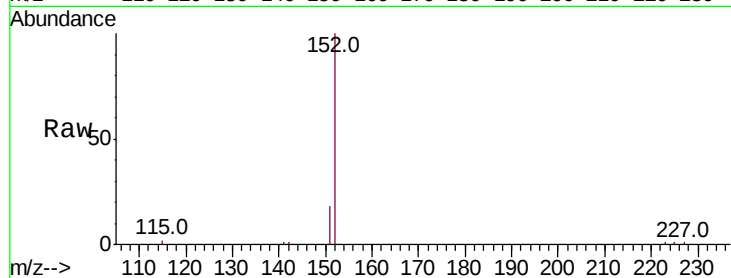
Ion Ratio Lower Upper

152 100

151 19.8 15.3 22.9

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#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.22 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BN010489.D

Acq: 14 Apr 2020 22:06

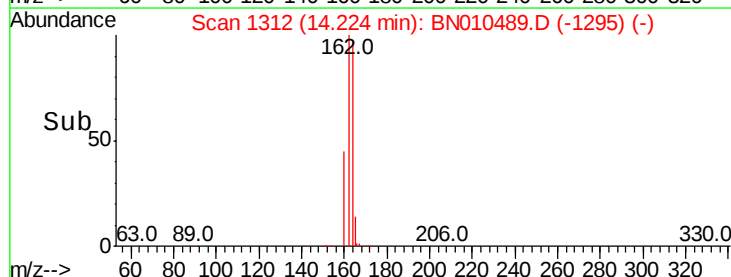
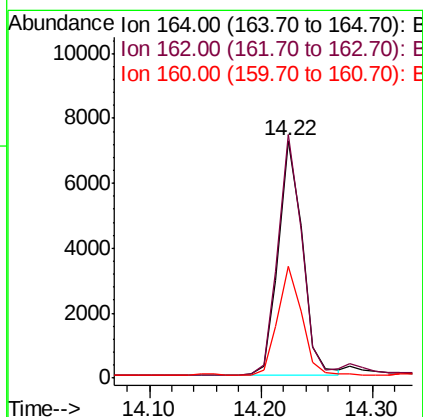
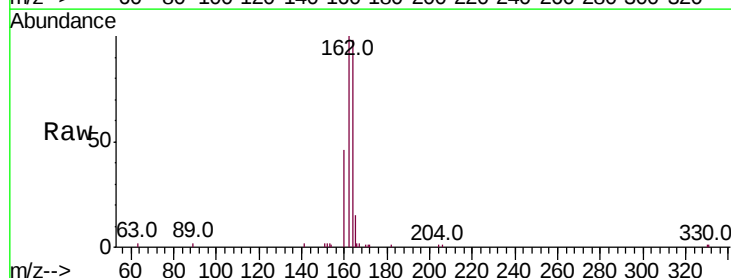
Tgt Ion:164 Resp: 10927

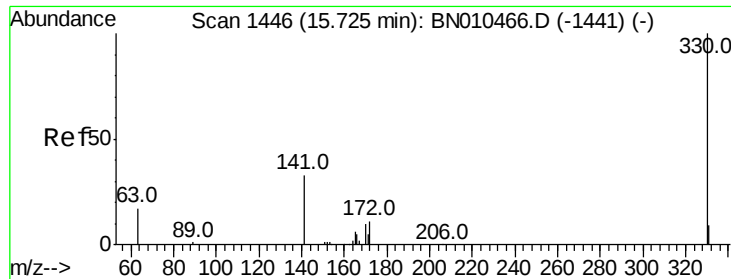
Ion Ratio Lower Upper

164 100

162 102.5 80.6 121.0

160 46.8 36.5 54.7





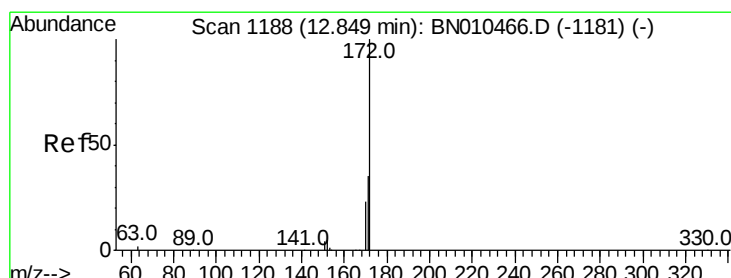
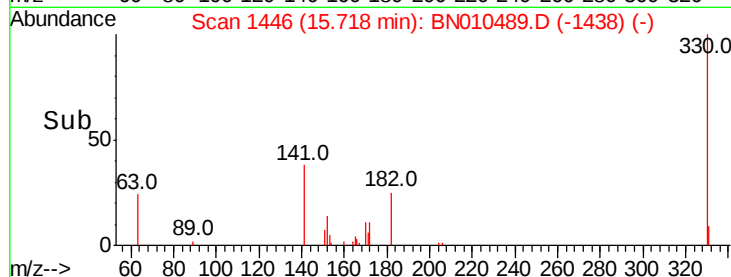
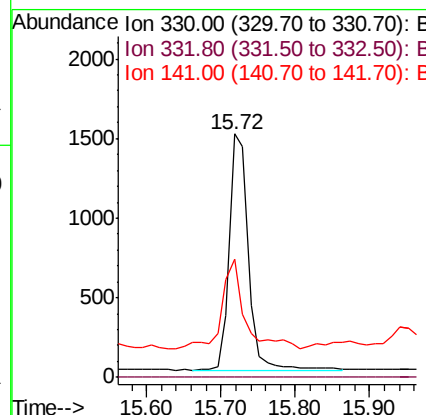
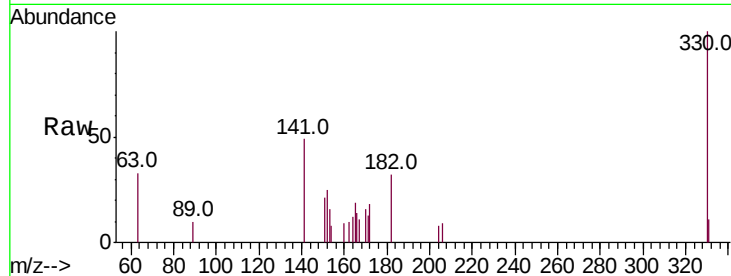
#14
 2,4,6-Tribromophenol
 Concen: 0.508 ng
 RT: 15.72 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BN010489.D
 Acq: 14 Apr 2020 22:06

Instrument :
 BNA_N
 ClientSampleId :
 MW-1D

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	46.2	28.1	42.1

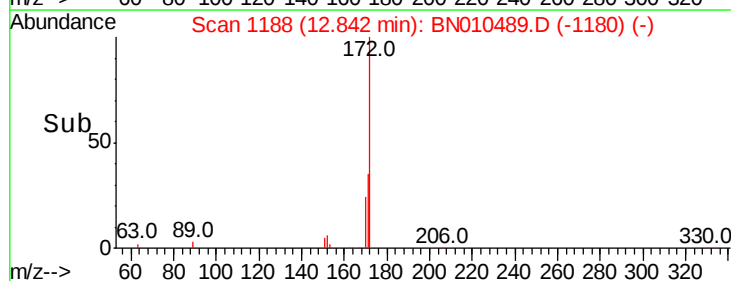
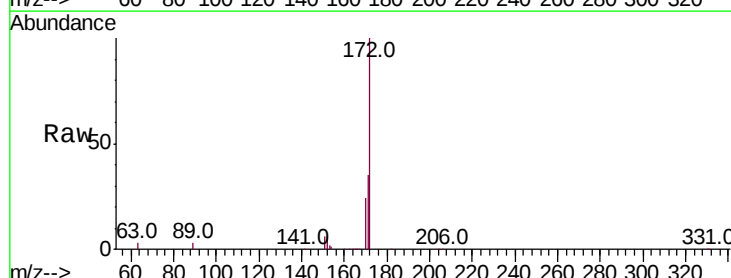
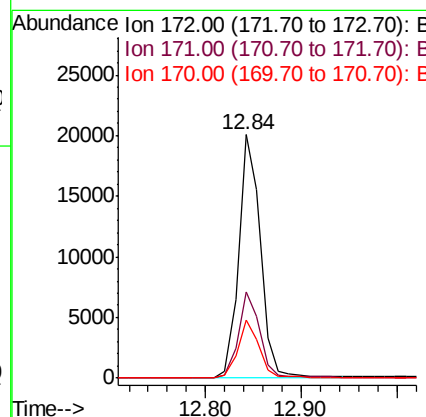
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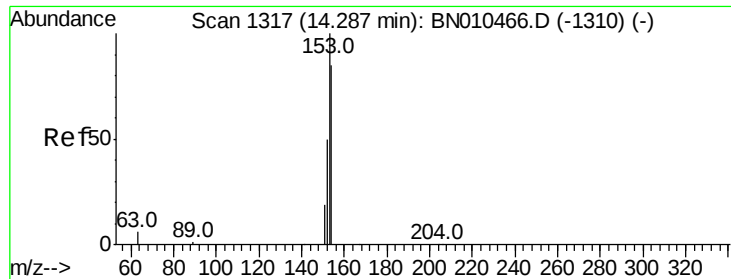
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#15
 2-Fluorobiphenyl
 Concen: 0.789 ng
 RT: 12.84 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BN010489.D
 Acq: 14 Apr 2020 22:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.9	18.4	27.6





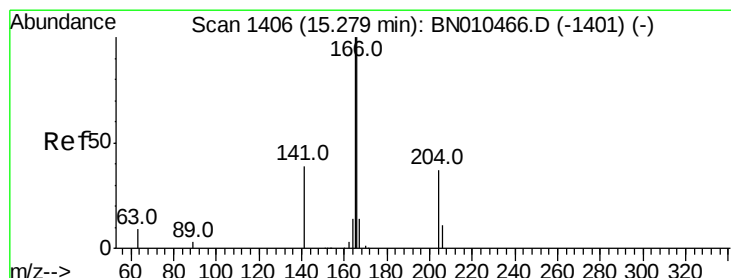
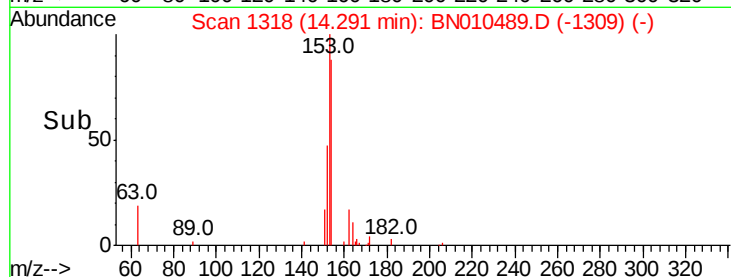
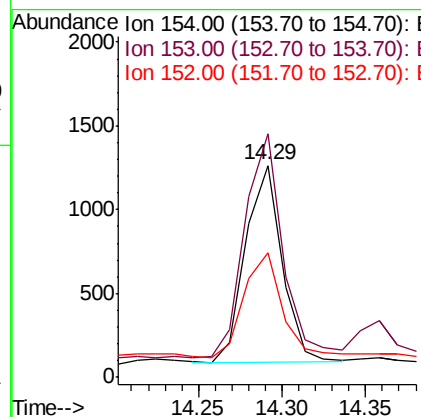
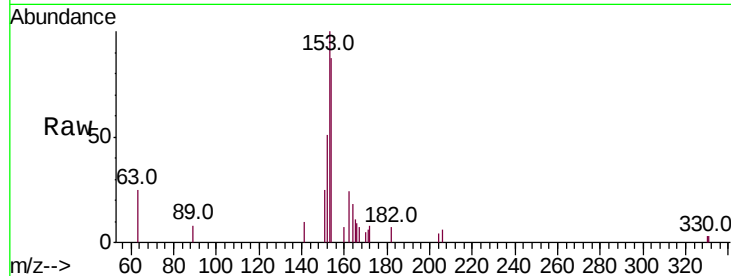
#17
Acenaphthene
Concen: 0.059 ng
RT: 14.29 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Instrument :
BNA_N
ClientSampleId :
MW-1D

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.4	91.0	136.4
152	62.5	44.6	67.0

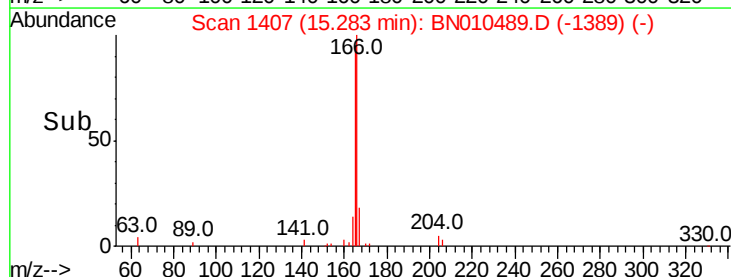
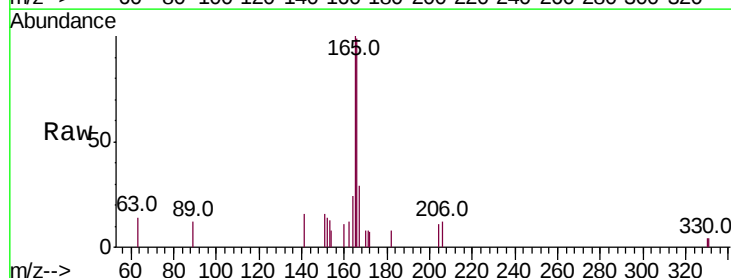
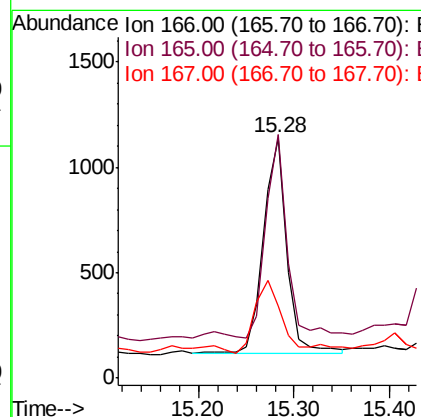
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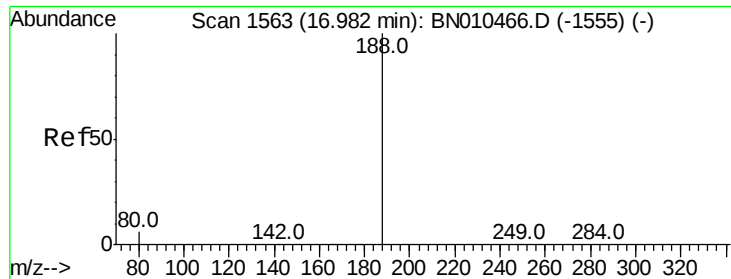
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#18
Fluorene
Concen: 0.045 ng
RT: 15.28 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Tgt Ion	Ratio	Lower	Upper
166	100		
165	84.6	78.4	117.6
167	38.0	10.9	16.3#





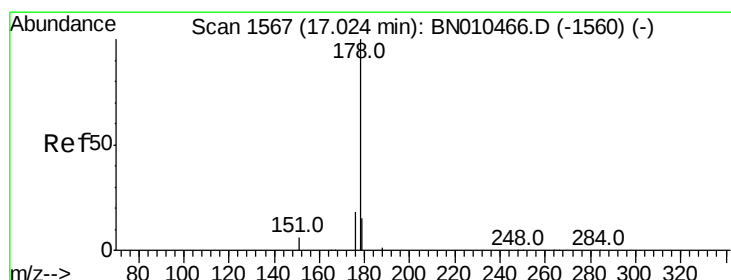
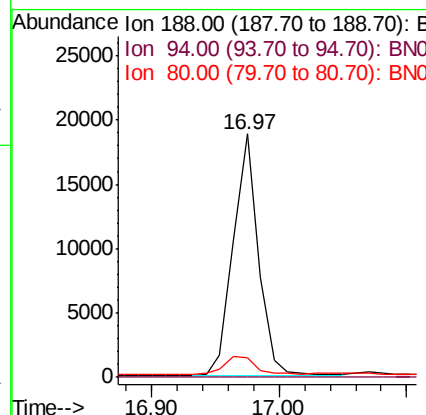
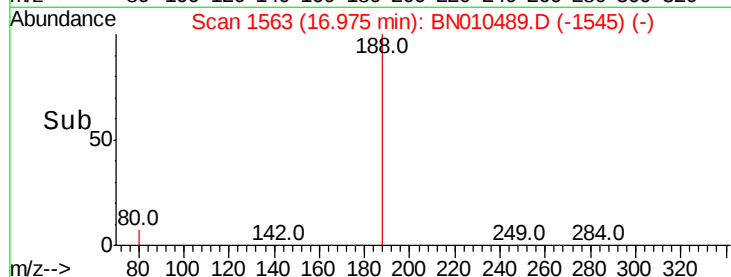
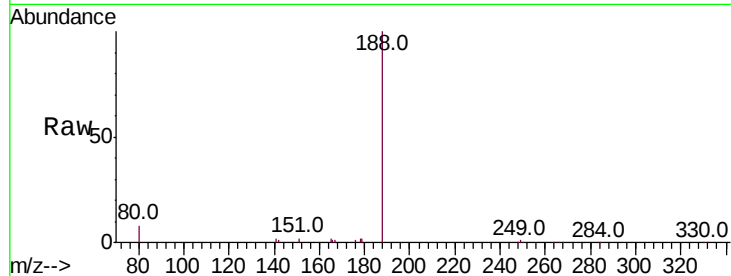
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.97 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Instrument :
BNA_N
ClientSampleId :
MW-1D

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	5.0	7.6#

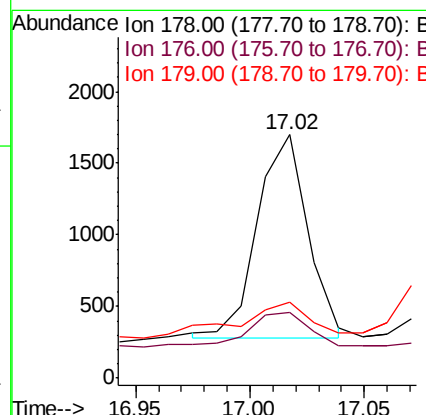
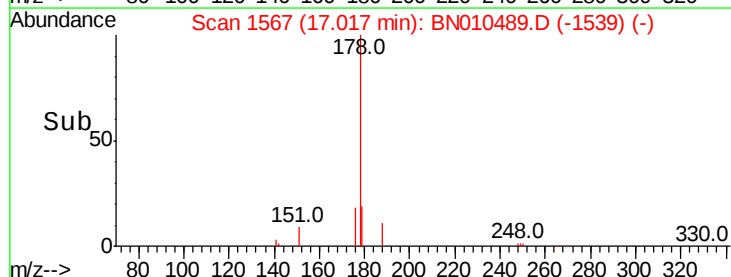
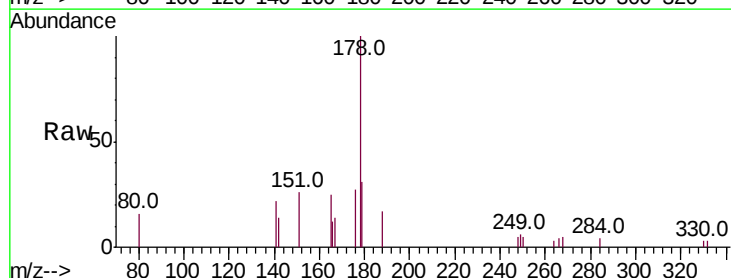
Manual Integrations
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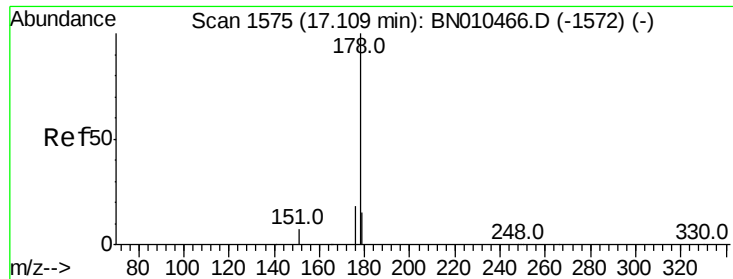
mohammad
4/15/2020 3:32:32 PM



#23
Phenanthrene
Concen: 0.031 ng m
RT: 17.02 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	179.5	15.0	22.4#
179	177.4	12.6	18.8#





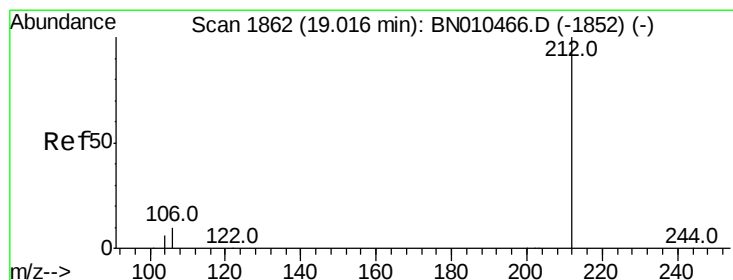
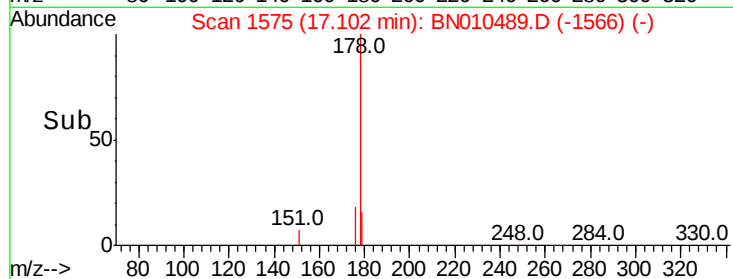
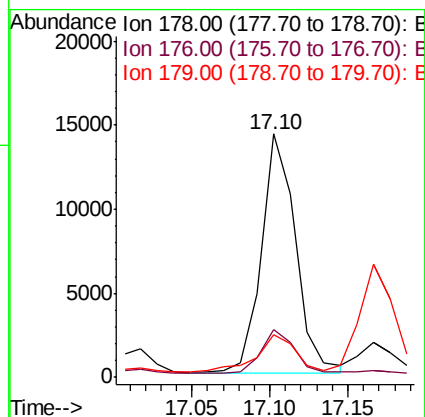
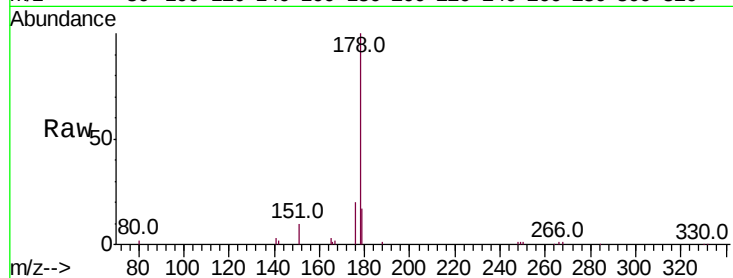
#24
 Anthracene
 Concen: 0.334 ng
 RT: 17.10 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BN010489.D
 Acq: 14 Apr 2020 22:06

Instrument :
 BNA_N
 ClientSampleId :
 MW-1D

Tot Ion:178	Resp:	21417
Ion Ratio	Lower	Upper
178	100	
176	18.3	14.6 21.8
179	18.0	12.2 18.2

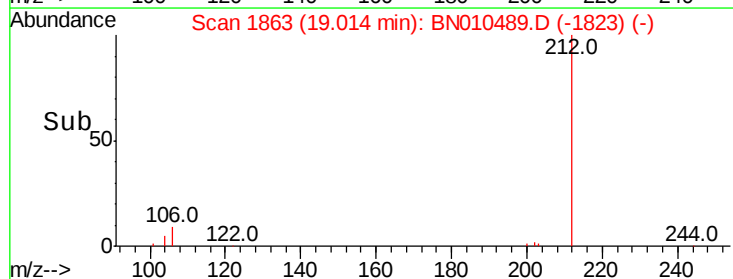
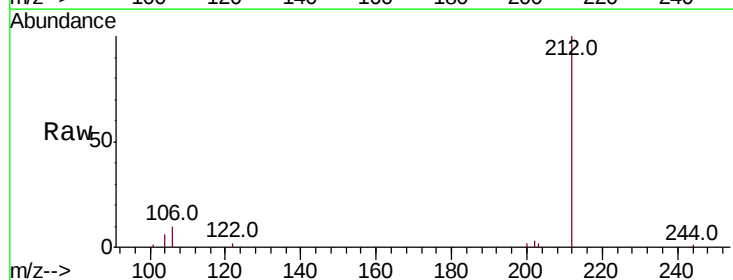
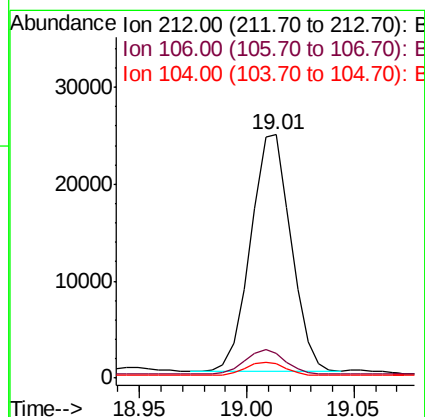
Manual Integrations
 APPROVED

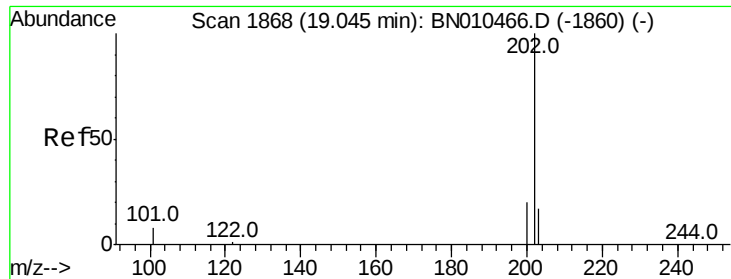
mohammad
 4/15/2020 3:32:32 PM



#25
 Fluoranthene-d10
 Concen: 0.402 ng
 RT: 19.01 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: BN010489.D
 Acq: 14 Apr 2020 22:06

Tgt Ion:212	Resp:	31631
Ion Ratio	Lower	Upper
212	100	
106	10.7	7.8 11.6
104	6.0	4.5 6.7





#26

Fluoranthene

Concen: 1.354 ng

RT: 19.04 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BN010489.D

Acq: 14 Apr 2020 22:06

Instrument :

BNA_N

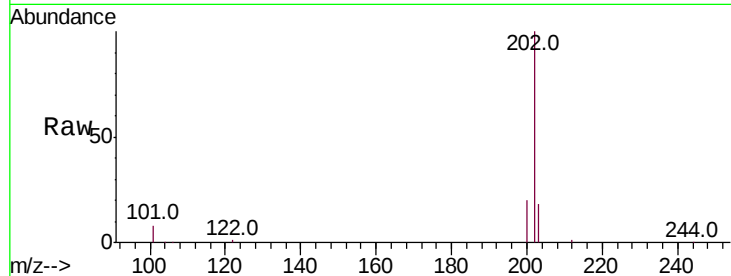
ClientSampleId :

MW-1D

Tot Ion:	202	Resp:	118171
Ion Ratio	Lower	Upper	
202	100		
101	8.6	6.9	10.3
203	17.2	13.9	20.9

Manual Integrations
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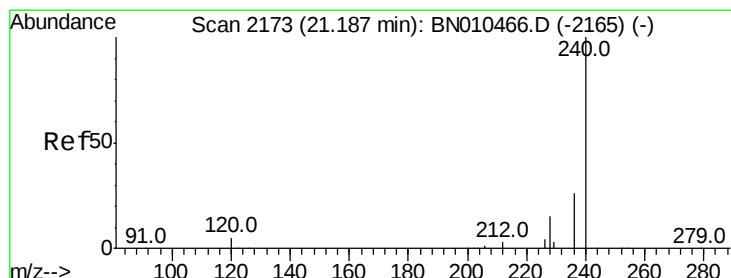
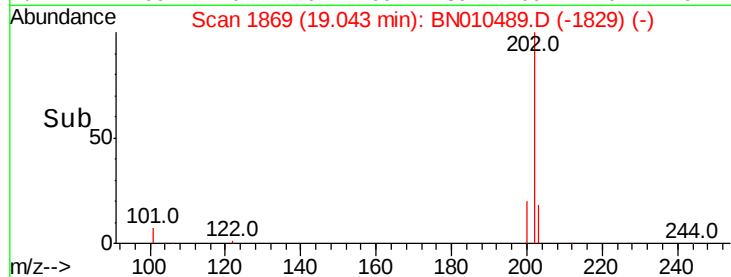
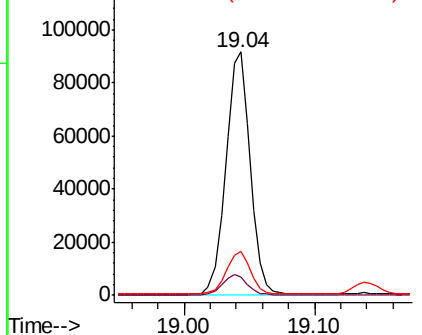


Abundance

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

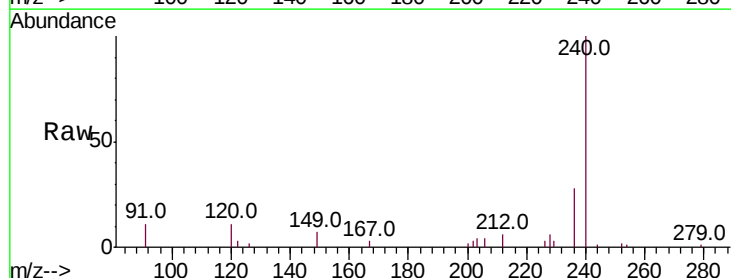
RT: 21.17 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BN010489.D

Acq: 14 Apr 2020 22:06

Tgt Ion:	240	Resp:	26627
Ion Ratio	Lower	Upper	
240	100		
120	11.5	4.8	7.2#
236	28.0	21.4	32.0

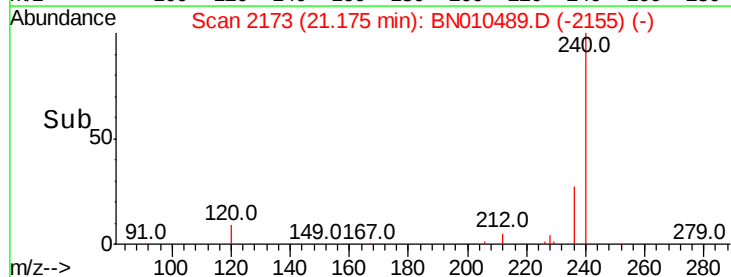
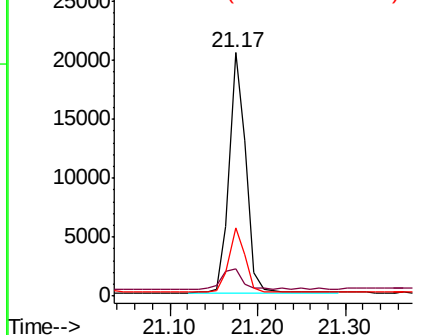


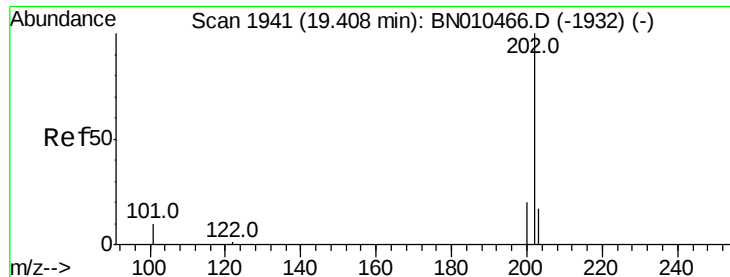
Abundance

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





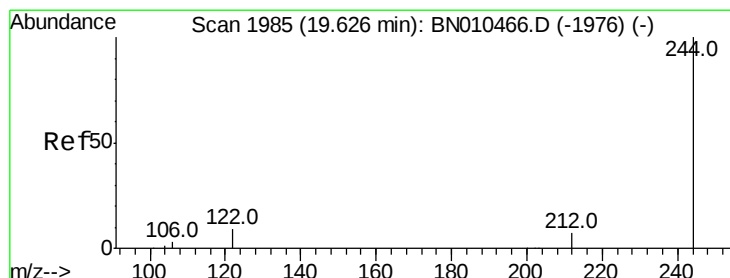
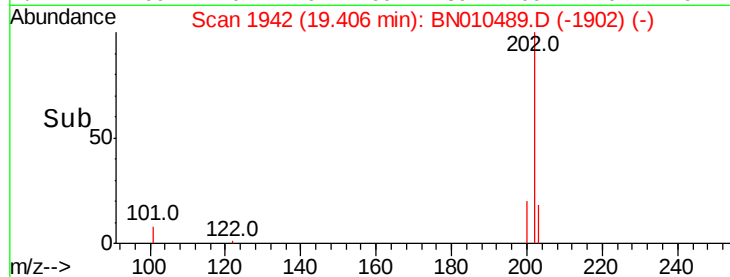
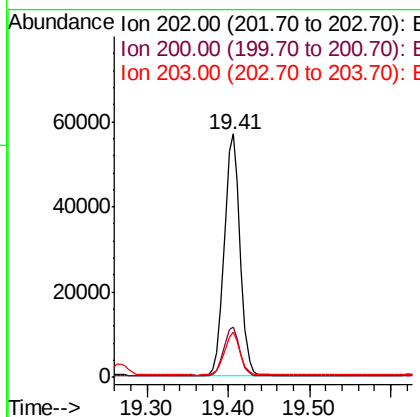
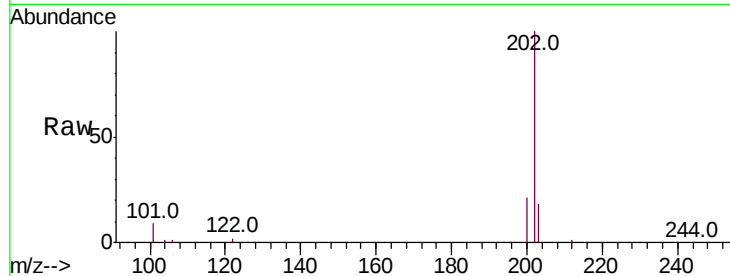
#28
Pvrene
Concen: 0.851 ng
RT: 19.41 min Scan# 1942
Delta R.T. -0.00 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Instrument :
BNA_N
ClientSampleId :
MW-1D

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	17.8	14.0	21.0

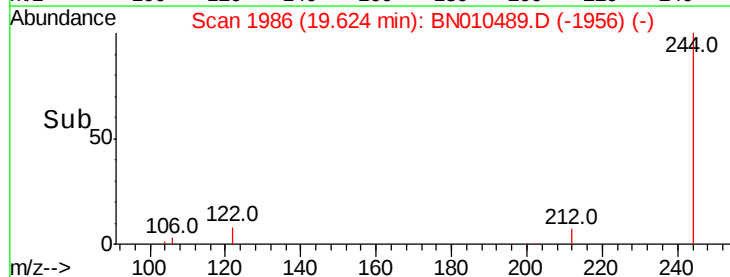
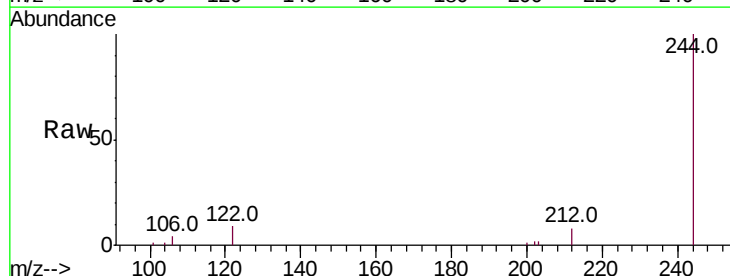
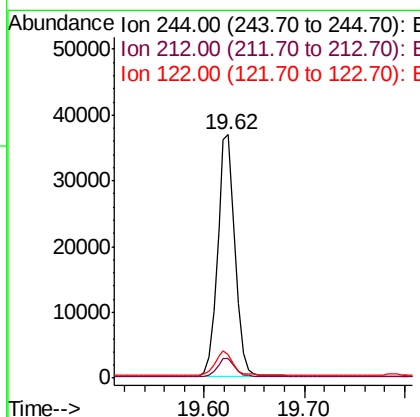
Manual Integrations
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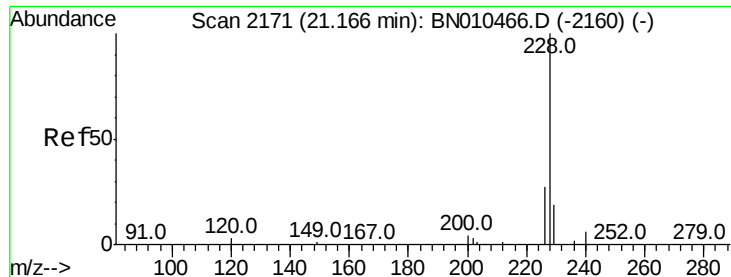
mohammad
4/15/2020 3:32:32 PM



#29
Terphenyl-d14
Concen: 0.738 ng
RT: 19.62 min Scan# 1986
Delta R.T. -0.00 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	9.4	7.8	11.8





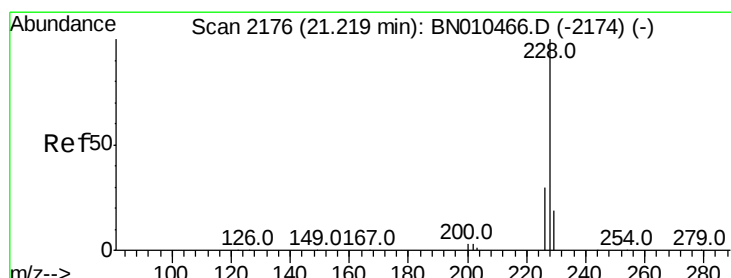
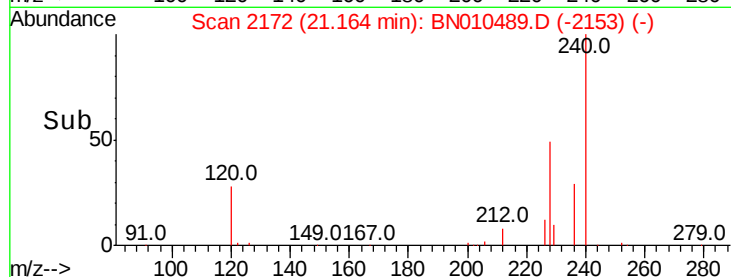
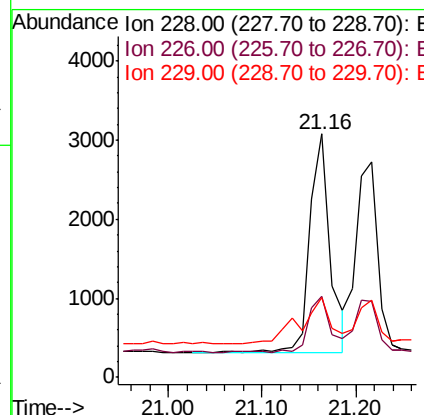
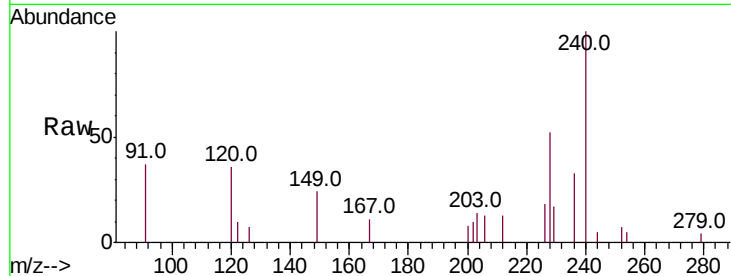
#30
Benzo(a)anthracene
Concen: 0.048 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Instrument :
BNA_N
ClientSampleId :
MW-1D

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.5	21.7	32.5#
229	32.6	15.6	23.4#

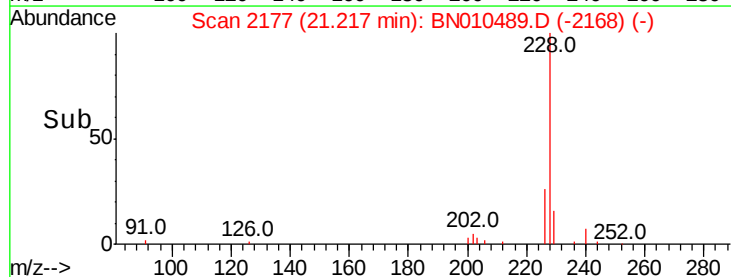
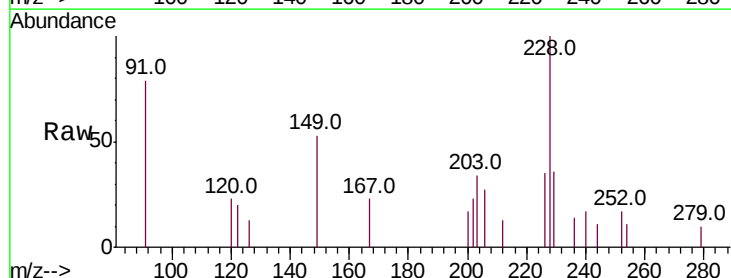
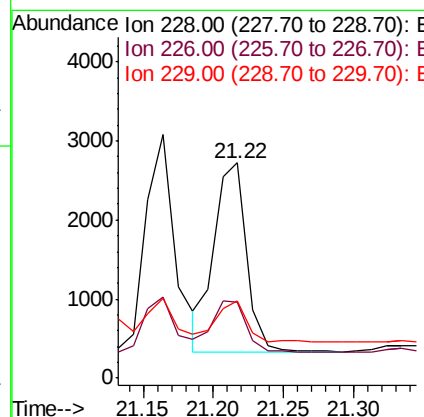
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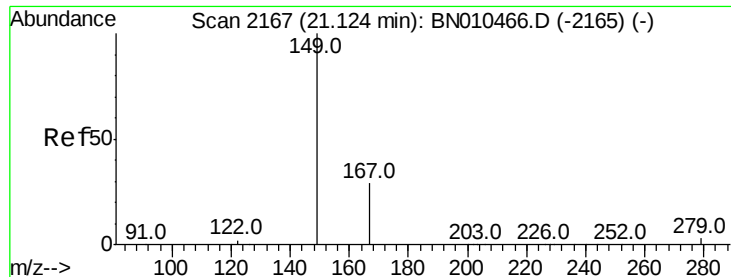
mohammad
4/15/2020 3:32:32 PM



#31
Chrysene
Concen: 0.045 ng
RT: 21.22 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.5	24.0	36.0
229	35.9	15.8	23.6#





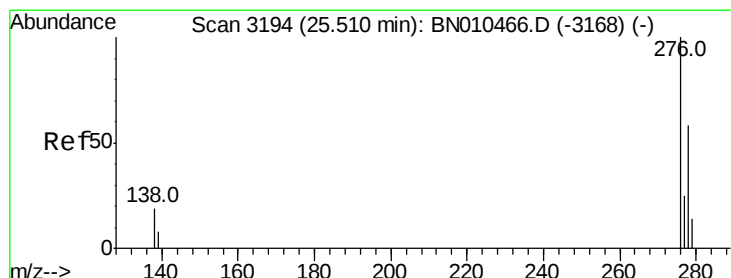
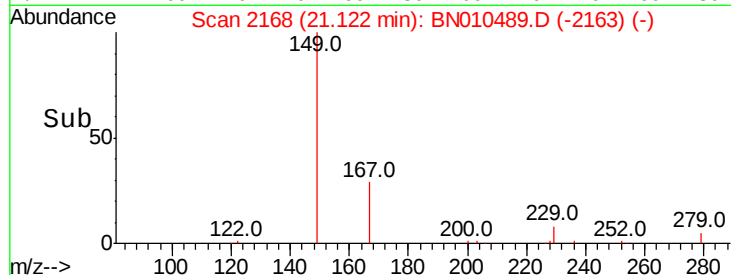
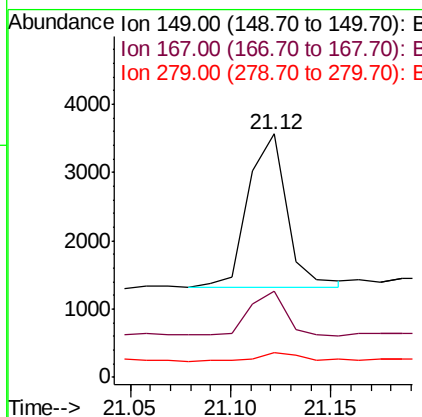
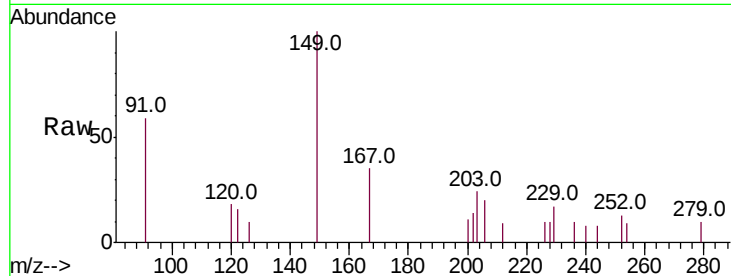
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.067 ng
 RT: 21.12 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: BN010489.D
 Acq: 14 Apr 2020 22:06

Instrument :
 BNA_N
 ClientSampleId :
 MW-1D

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.8	23.4	35.0
279	6.1	4.0	6.0

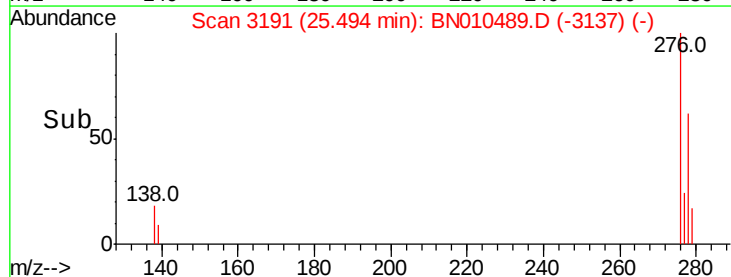
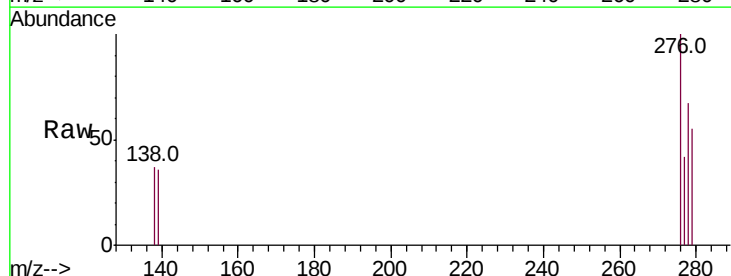
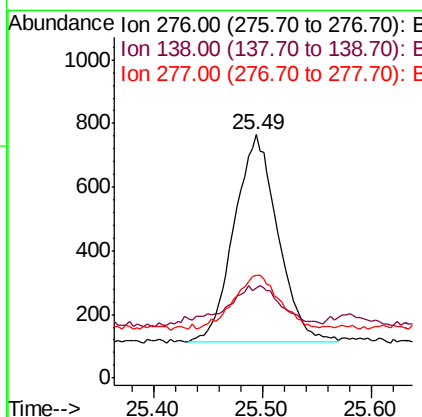
Manual Integrations
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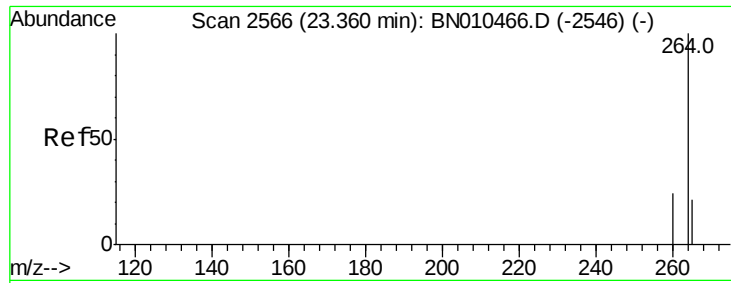
mohammad
 4/15/2020 3:32:32 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.024 ng
 RT: 25.49 min Scan# 3191
 Delta R.T. -0.02 min
 Lab File: BN010489.D
 Acq: 14 Apr 2020 22:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	12.6	16.4	24.6
277	26.9	19.8	29.6





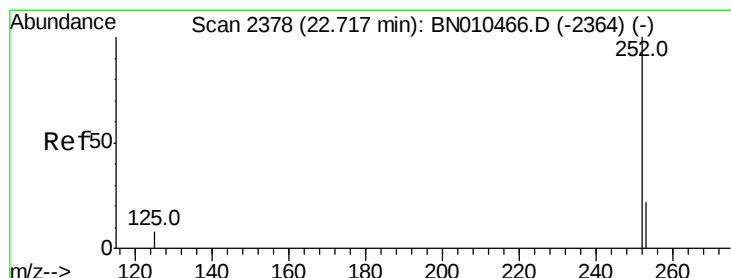
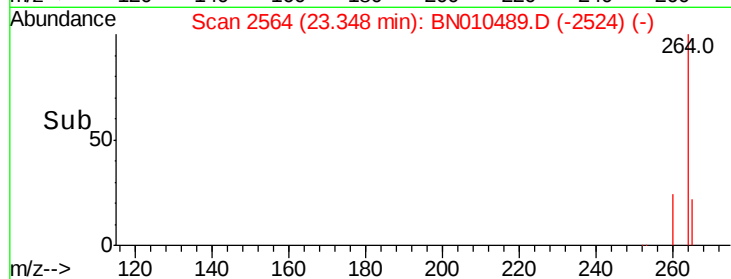
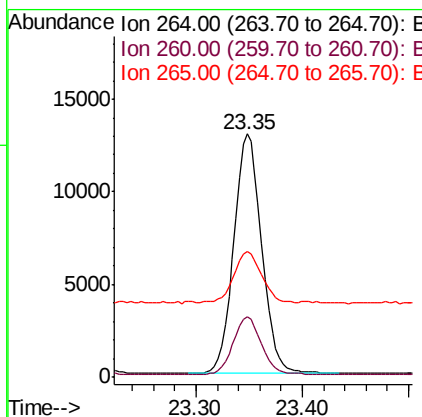
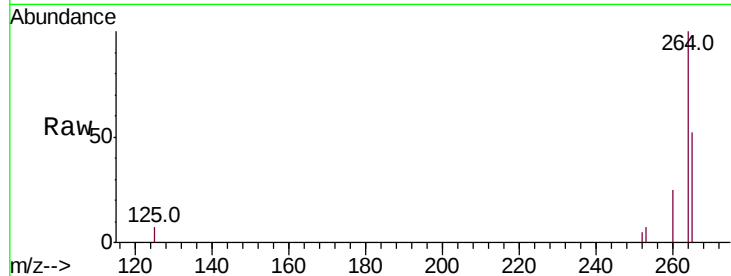
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.35 min Scan# 2564
 Delta R.T. -0.01 min
 Lab File: BN010489.D
 Acq: 14 Apr 2020 22:06

Instrument :
 BNA_N
 ClientSampleId :
 MW-1D

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.8	29.8
265	51.8	42.3	63.5

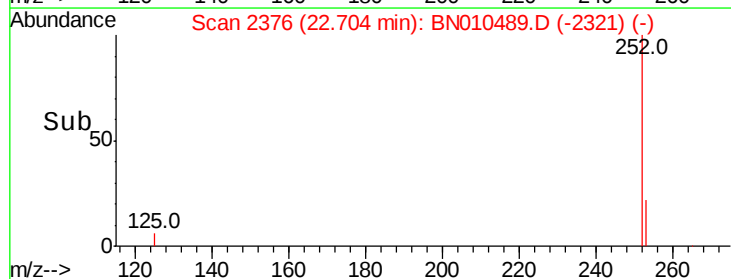
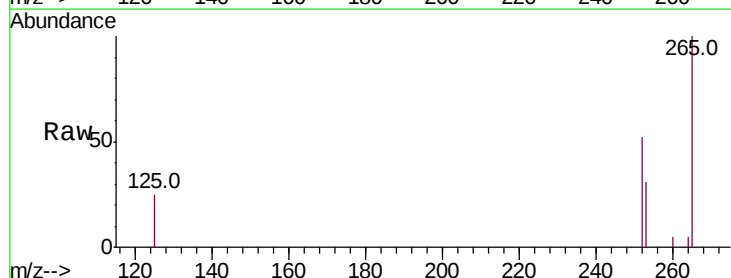
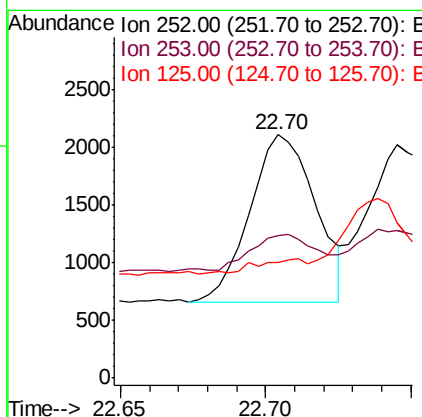
Manual Integrations
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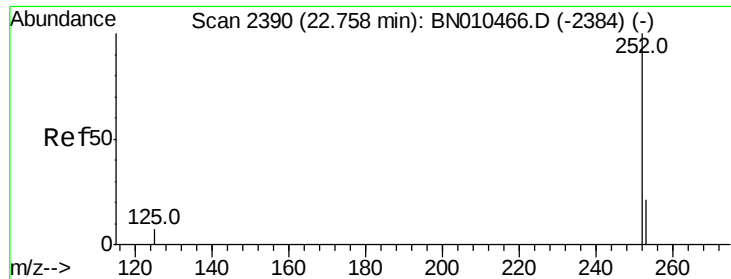
mohammad
 4/15/2020 3:32:32 PM



#35
 Benzo(b)fluoranthene
 Concen: 0.029 ng
 RT: 22.70 min Scan# 2376
 Delta R.T. -0.01 min
 Lab File: BN010489.D
 Acq: 14 Apr 2020 22:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	58.7	20.2	30.4#
125	47.5	9.2	13.8#





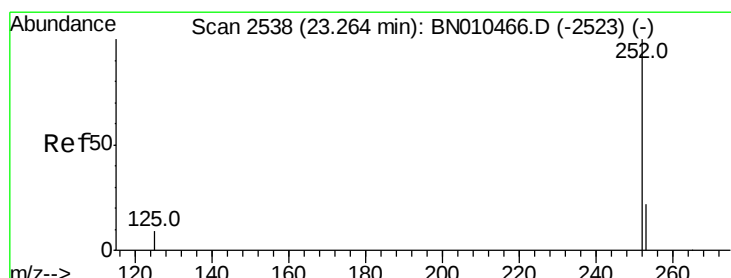
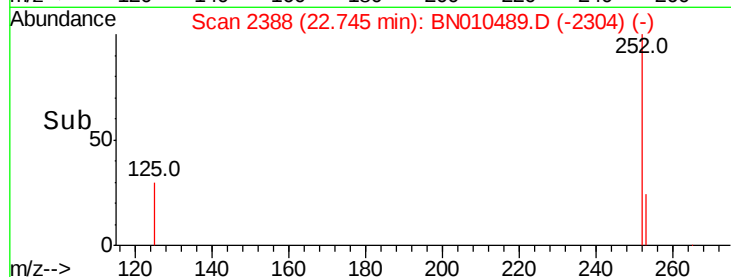
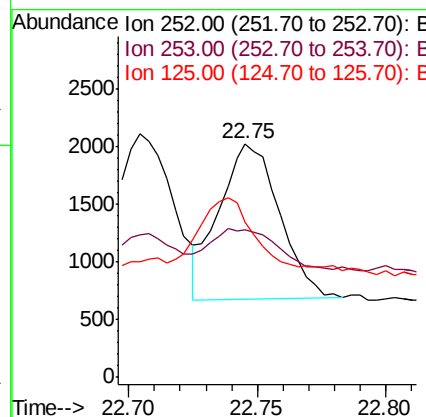
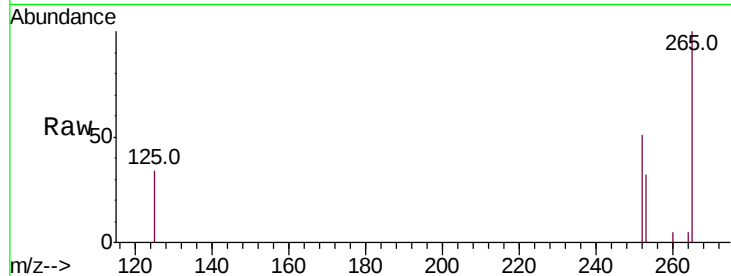
#36
Benzo(k)fluoranthene
Concen: 0.028 ng
RT: 22.75 min Scan# 2388
Delta R.T. -0.01 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Instrument :
BNA_N
ClientSampleId :
MW-1D

Tot Ion	Ratio	Lower	Upper
252	100		
253	63.0	20.1	30.1#
125	66.5	9.6	14.4#

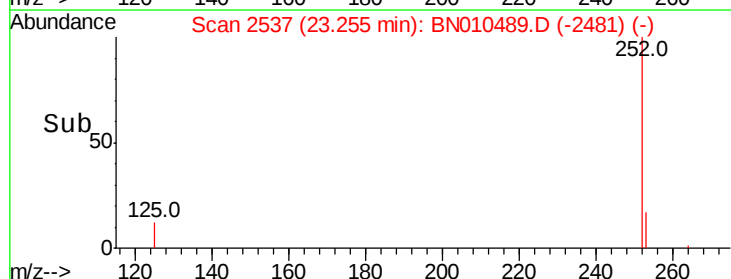
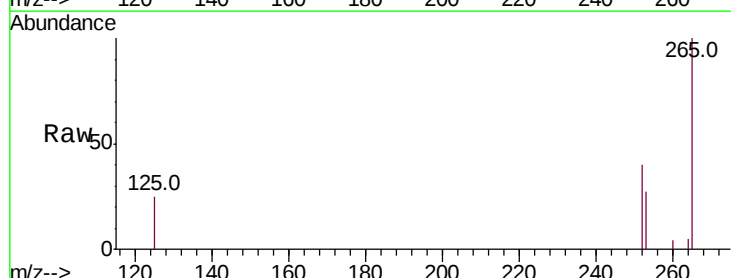
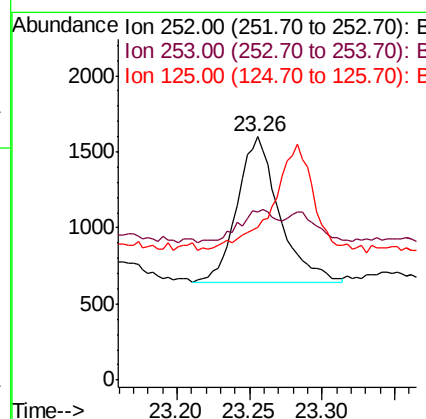
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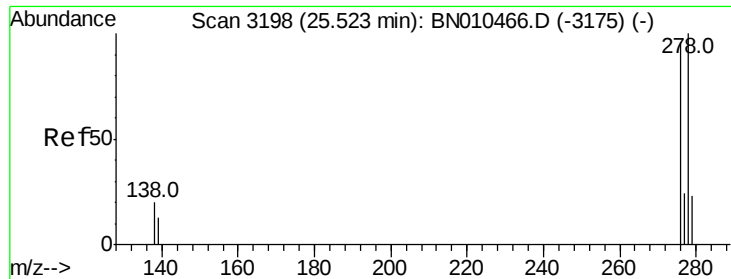
mohammad
4/15/2020 3:32:32 PM



#37
Benzo(a)pyrene
Concen: 0.028 ng
RT: 23.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	68.8	21.8	32.8#
125	62.5	11.0	16.6#





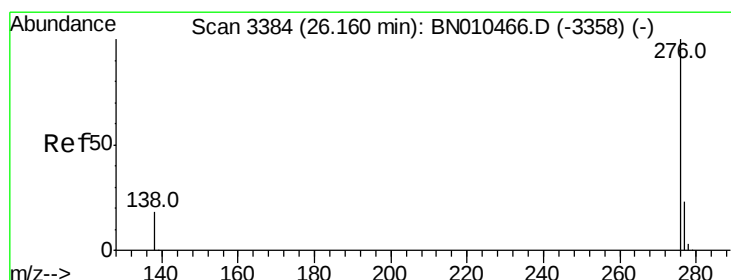
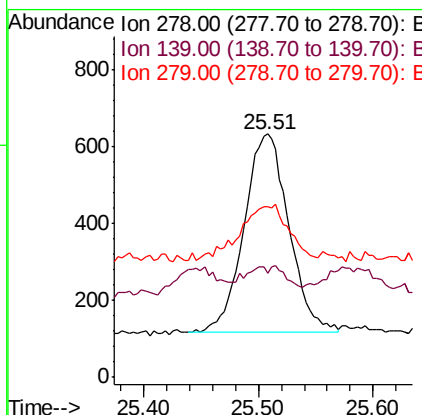
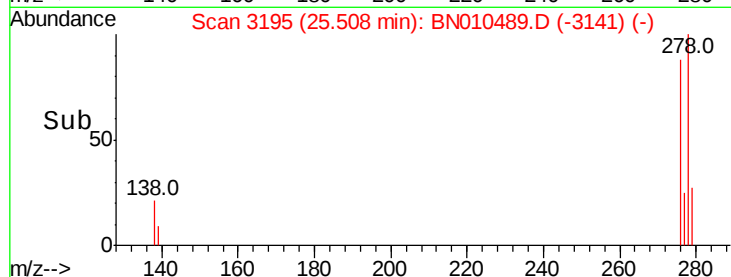
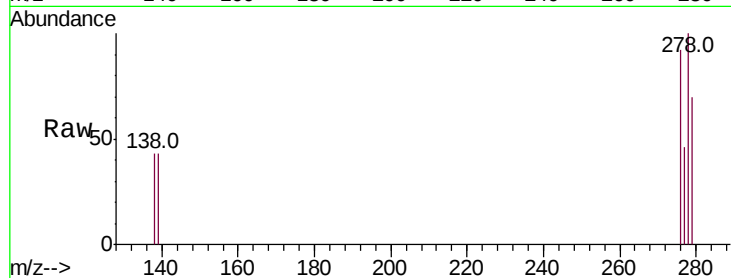
#38
Dibenzo(a,h)anthracene
Concen: 0.022 ng
RT: 25.51 min Scan# 3195
Delta R.T. -0.02 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Instrument :
BNA_N
ClientSampleId :
MW-1D

Tot Ion	Ratio	Lower	Upper
278	100		
139	42.7	12.3	18.5#
279	70.3	21.9	32.9#

Manual Integrations
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4/15/2020 3:32:32 PM



#39
Benzo(g,h,i)perylene
Concen: 0.029 ng
RT: 26.14 min Scan# 3380
Delta R.T. -0.02 min
Lab File: BN010489.D
Acq: 14 Apr 2020 22:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	41.3	20.2	30.2#
138	39.2	15.4	23.2#

