

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041520\
 Data File : BN010507.D
 Acq On : 15 Apr 2020 14:35
 Operator : CG/JU
 Sample : L2178-02RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-1DRE

Manual Integrations
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mohammad
 4/17/2020 8:22:07 AM

Quant Time: Apr 15 15:57:02 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	3775	0.40	ng	0.00
7) Naphthalene-d8	10.35	136	15667	0.40	ng	-0.01
13) Acenaphthene-d10	14.22	164	10911	0.40	ng	0.00
19) Phenanthrene-d10	16.97	188	25240	0.40	ng	0.00
27) Chrysene-d12	21.17	240	26723	0.40	ng	-0.01
34) Perylene-d12	23.35	264	23382	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.25	112	1694	0.20	ng	0.00
5) Phenol-d6	6.79	99	1271	0.12	ng	0.00
8) Nitrobenzene-d5	8.73	82	8368	0.76	ng	-0.01
11) 2-Methylnaphthalene-d10	11.95	152	10391	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.72	330	2578	0.50	ng	0.00
15) 2-Fluorobiphenyl	12.84	172	29826	0.75	ng	0.00
25) Fluoranthene-d10	19.01	212	31395	0.41	ng	0.00
29) Terphenyl-d14	19.62	244	44997	0.74	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.41	128	2259	0.058	ng	# 87
17) Acenaphthene	14.29	154	1696	0.056	ng	94
18) Fluorene	15.27	166	1663	0.042	ng	# 86
23) Phenanthrene	17.02	178	2549m	0.037	ng	
24) Anthracene	17.10	178	20764	0.333	ng	97
26) Fluoranthene	19.04	202	117483	1.385	ng	100
28) Pyrene	19.40	202	75663	0.841	ng	100
30) Benzo(a)anthracene	21.16	228	4053	0.046	ng	# 79
31) Chrysene	21.21	228	3731	0.043	ng	# 76
32) Bis(2-ethylhexyl)phthalate	21.12	149	2872	0.064	ng	99
33) Indeno(1,2,3-cd)pyrene	25.49	276	1744	0.023	ng	94
35) Benzo(b)fluoranthene	22.70	252	2309	0.030	ng	# 22
36) Benzo(k)fluoranthene	22.75	252	2101	0.027	ng	# 1
37) Benzo(a)pyrene	23.26	252	1645	0.024	ng	# 1
38) Dibenzo(a,h)anthracene	25.50	278	1338	0.021	ng	# 25
39) Benzo(g,h,i)perylene	26.14	276	1686	0.027	ng	# 62

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

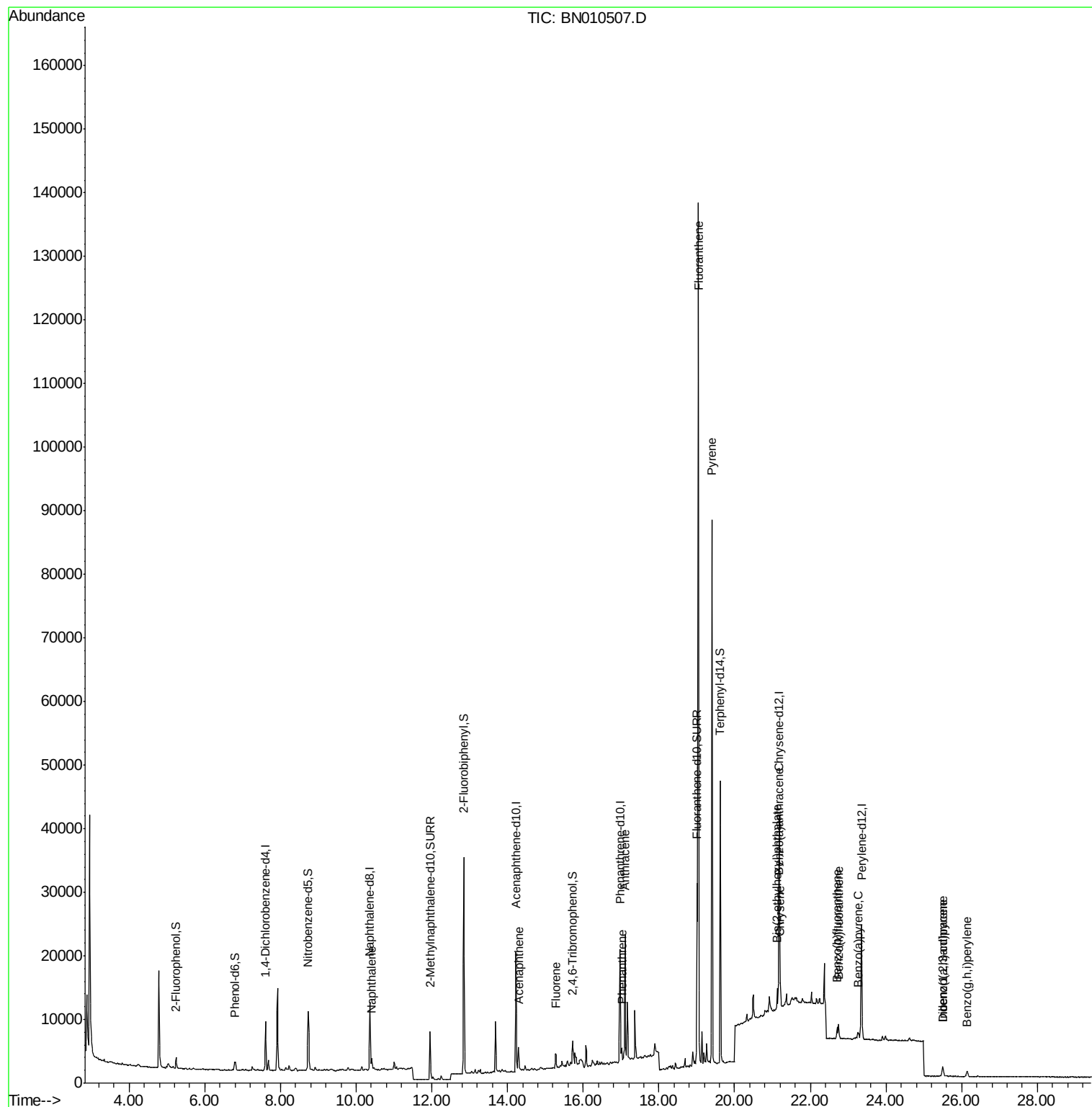
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041520\
Data File : BN010507.D
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Sample : L2178-02RE
Misc :
ALS Vial : 11 Sample Multiplier: 1

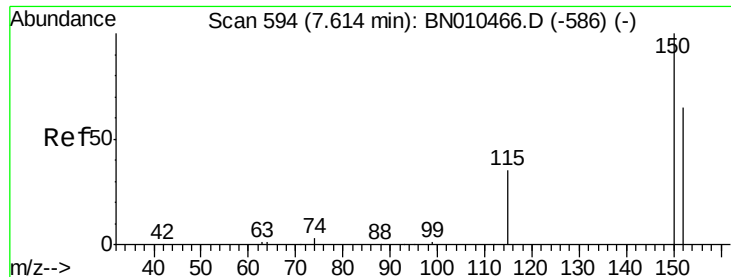
Instrument :
BNA_N
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MW-1DRE

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#1

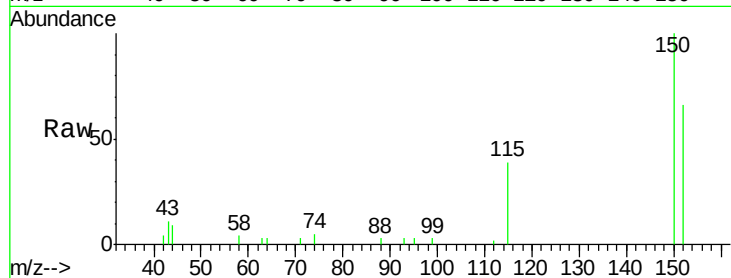
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.61 min Scan# 593
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Instrument :
BNA_N
ClientSampleId :
MW-1DRE

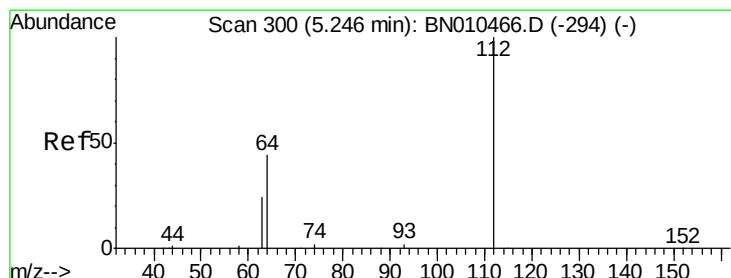
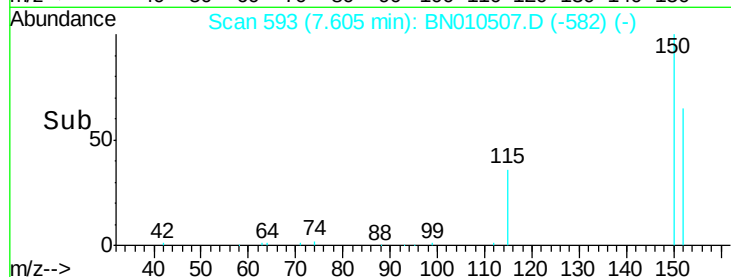
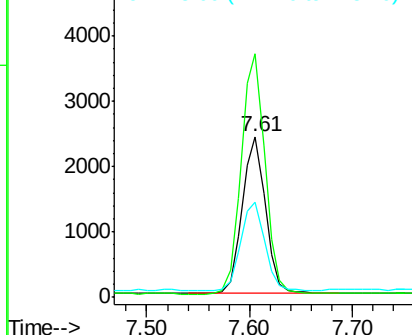
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	121.8	182.6
115	59.1	45.5	68.3

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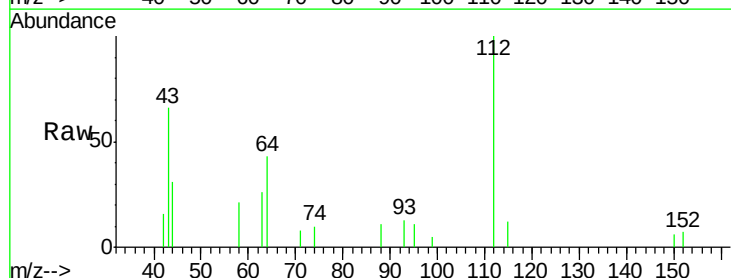
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



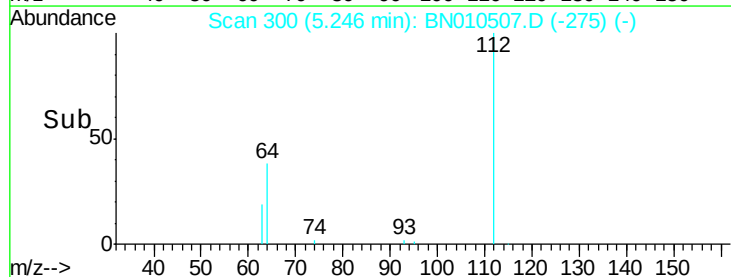
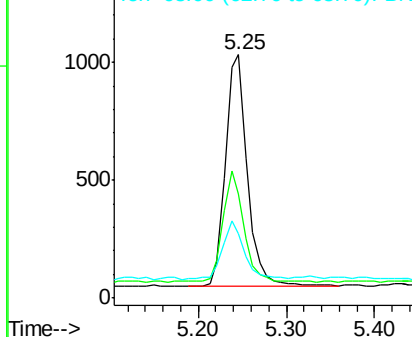
#4

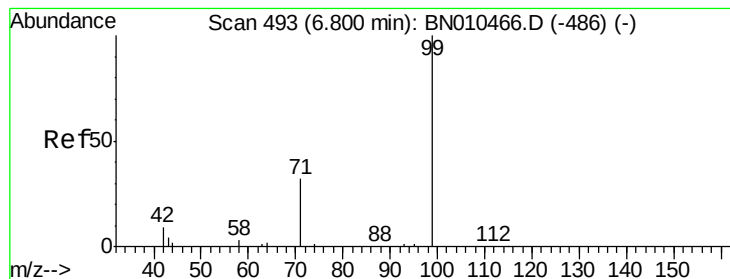
2-Fluorophenol
Concen: 0.205 ng
RT: 5.25 min Scan# 300
Delta R.T. -0.00 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.7	35.8	53.8
63	24.9	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: 0.118 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Instrument :

BNA_N

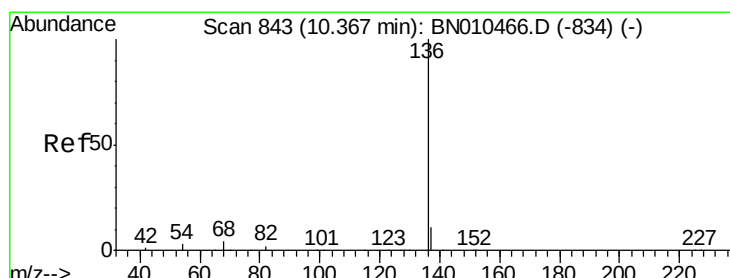
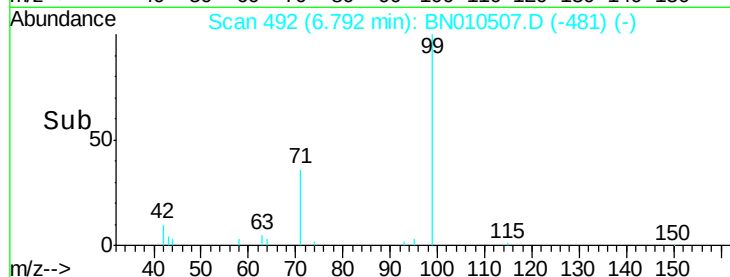
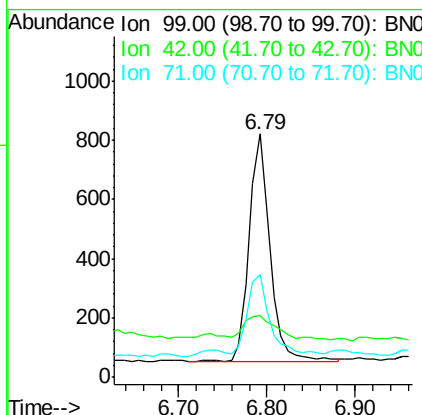
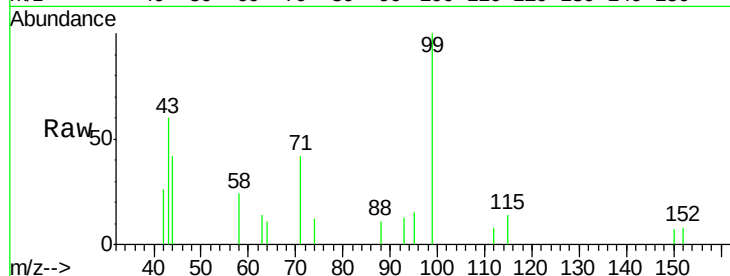
ClientSampled :

MW-1DRE

Tot Ion:	99	Resp:	1271
Ion	Ratio	Lower	Upper
99	100		
42	15.9	9.8	14.6#
71	39.3	27.8	41.8

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#7

Naphthalene-d8

Concen: 0.400 ng

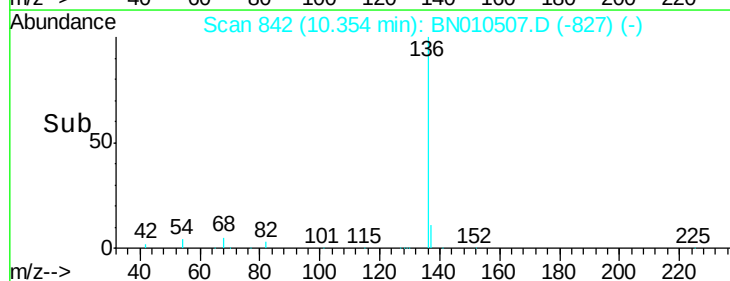
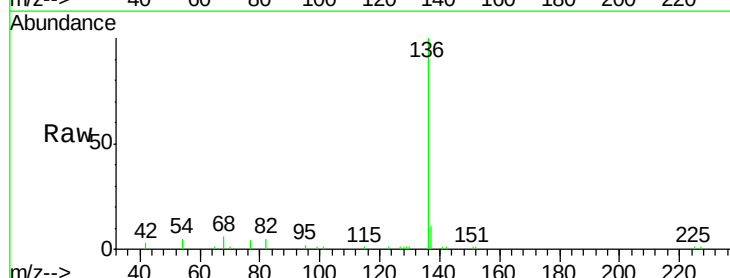
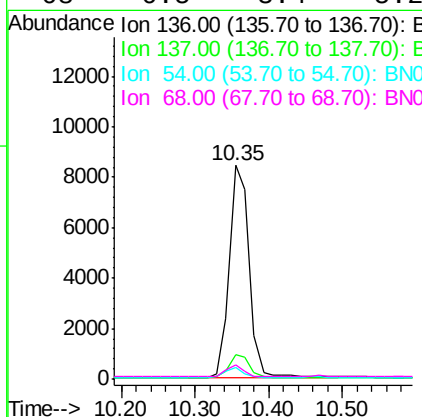
RT: 10.35 min Scan# 842

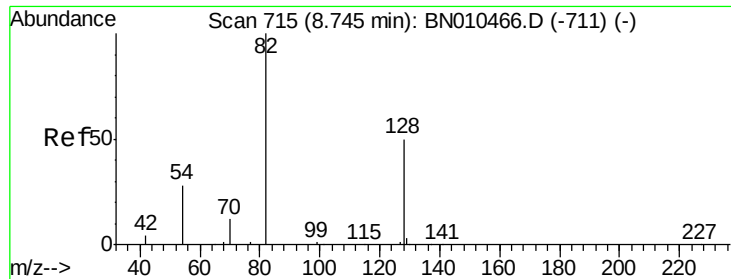
Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Tgt Ion:	136	Resp:	15667
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	5.3	2.6	4.0#
68	6.5	3.4	5.2#





#8

Nitrobenzene-d5

Concen: 0.764 ng

RT: 8.73 min Scan# 714

Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Instrument :

BNA_N

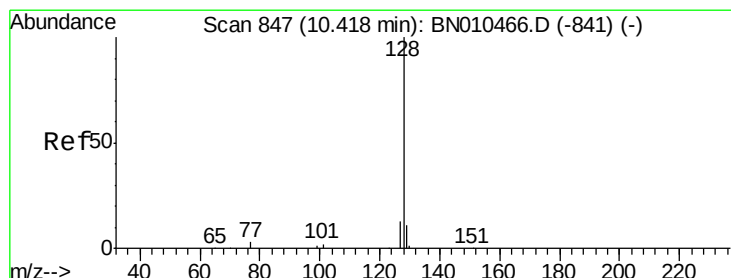
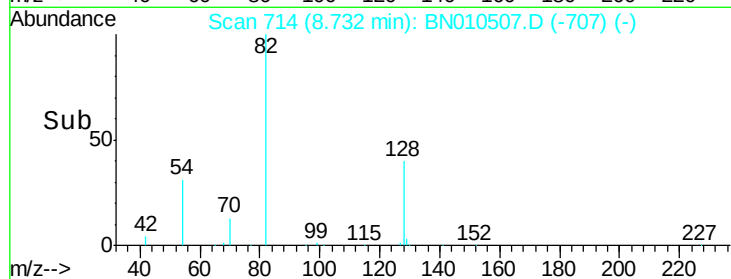
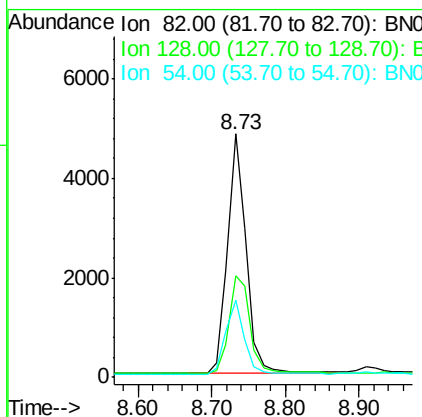
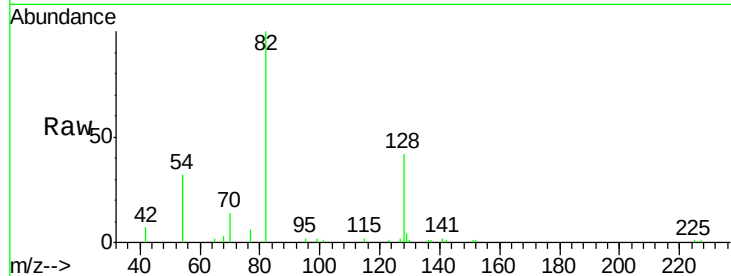
ClientSampleId :

MW-1DRE

Tot Ion:	82	Resp:	8368
Ion	Ratio	Lower	Upper
82	100		
128	41.5	41.3	61.9
54	31.7	23.4	35.0

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#9

Naphthalene

Concen: 0.058 ng

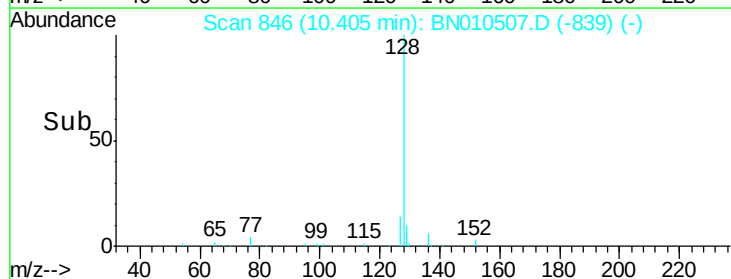
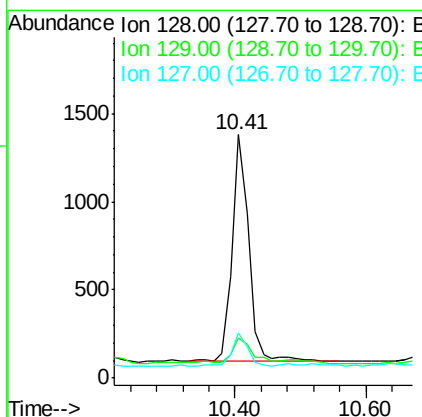
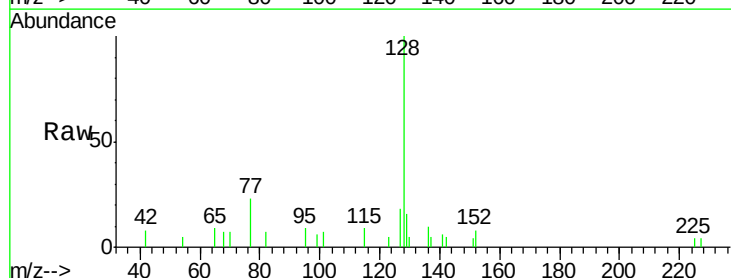
RT: 10.41 min Scan# 846

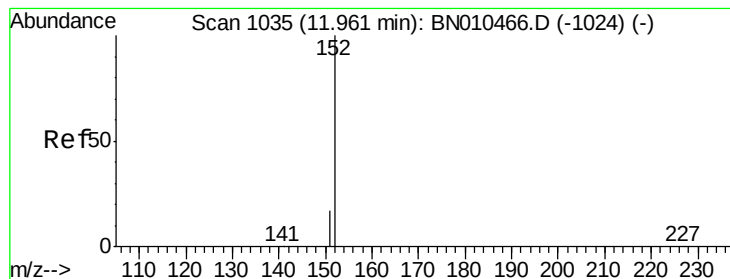
Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Tgt Ion:	128	Resp:	2259
Ion	Ratio	Lower	Upper
128	100		
129	16.3	9.3	13.9#
127	18.4	10.5	15.7#





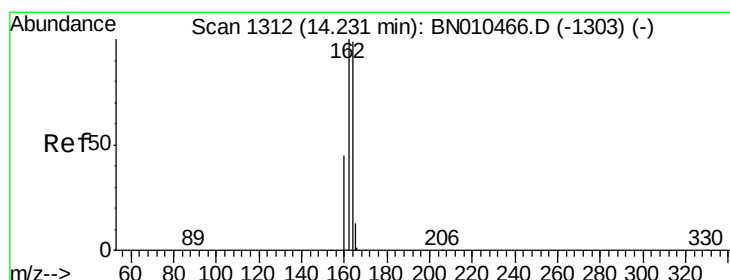
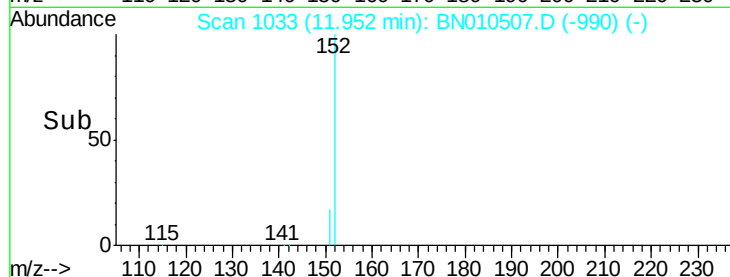
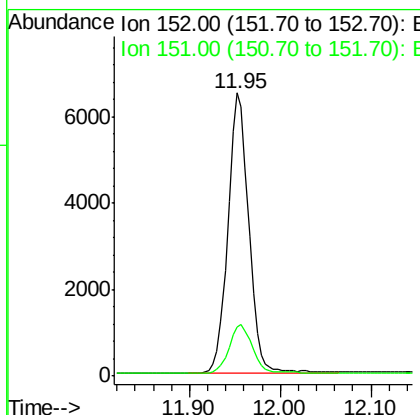
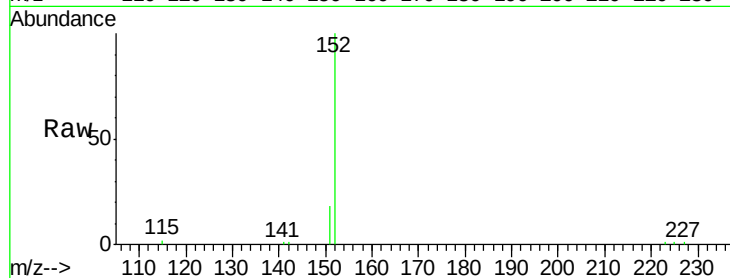
#11
 2-Methylnaphthalene-d10
 Concen: 0.403 ng
 RT: 11.95 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Instrument :
 BNA_N
 ClientSampleId :
 MW-1DRE

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.3	22.9

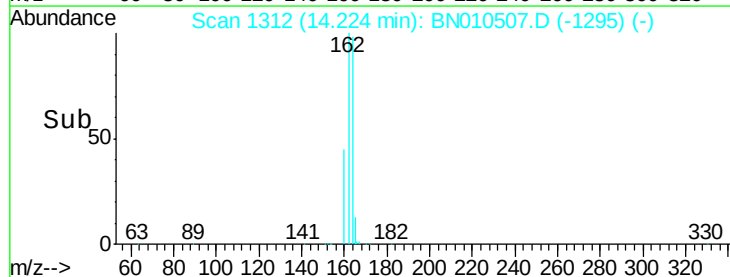
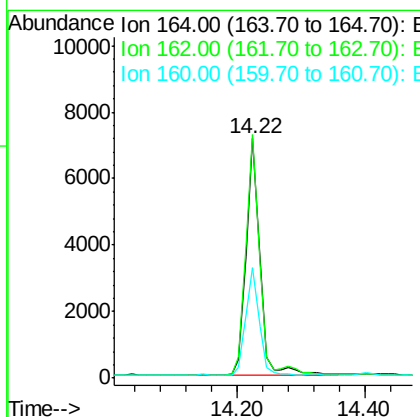
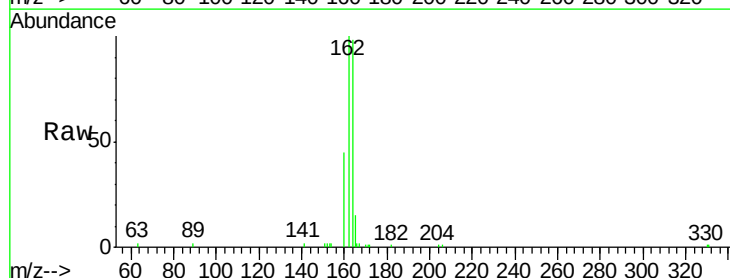
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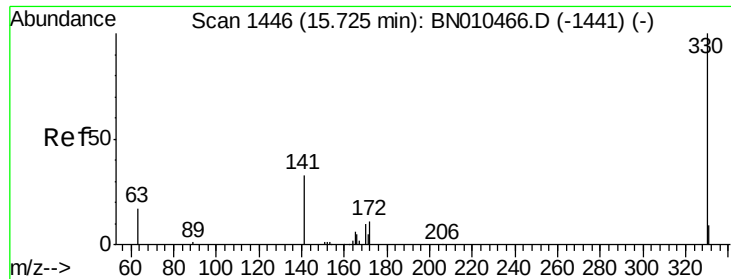
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.22 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	121.0
160	45.8	36.5	54.7





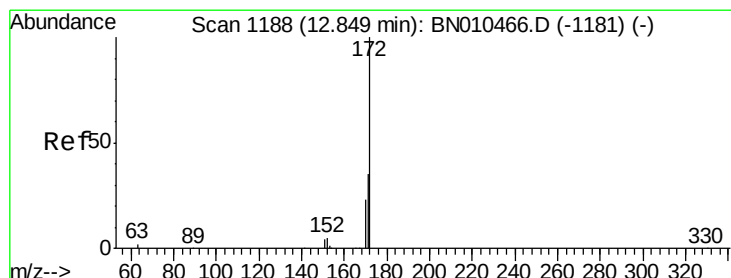
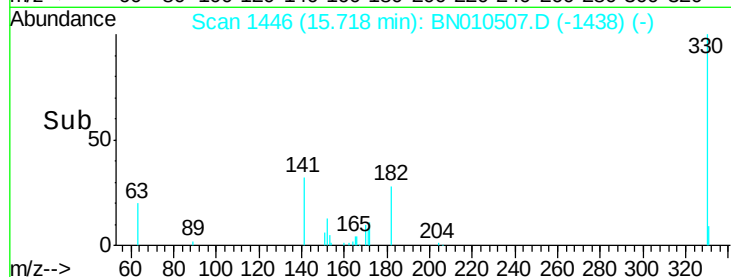
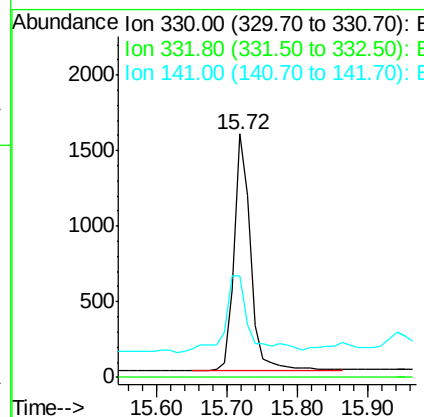
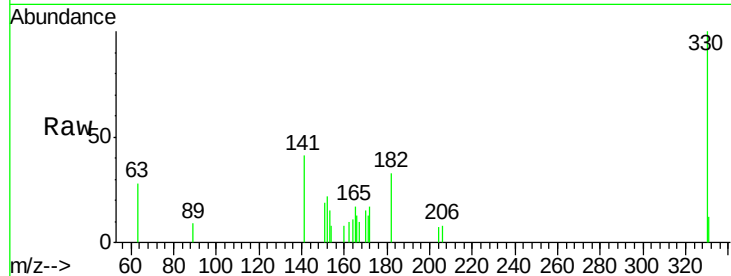
#14
 2,4,6-Tribromophenol
 Concen: 0.501 ng
 RT: 15.72 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Instrument :
 BNA_N
 ClientSampleId :
 MW-1DRE

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	44.6	28.1	42.1

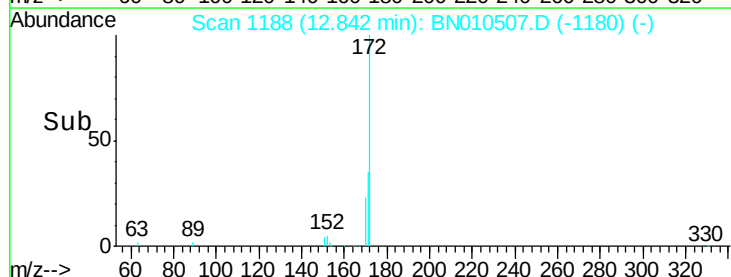
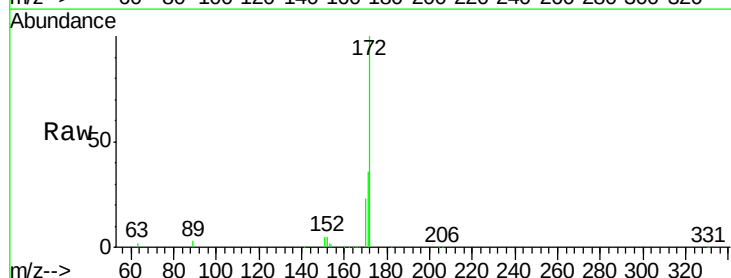
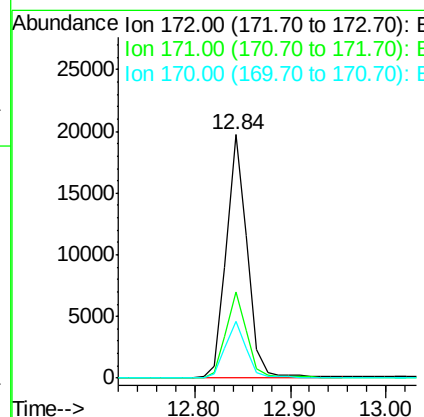
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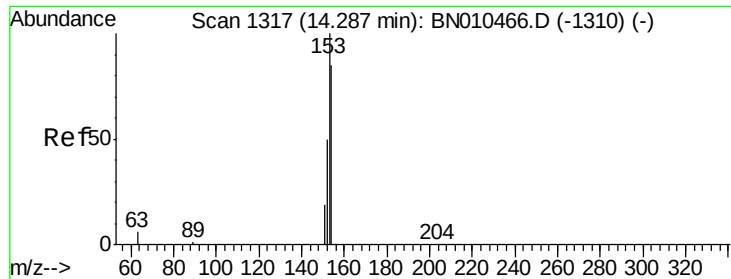
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#15
 2-Fluorobiphenyl
 Concen: 0.751 ng
 RT: 12.84 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.2
170	23.1	18.4	27.6





#17

Acenaphthene

Concen: 0.056 ng

RT: 14.29 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Instrument :

BNA_N

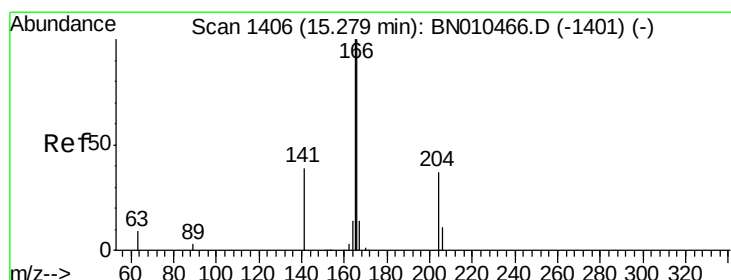
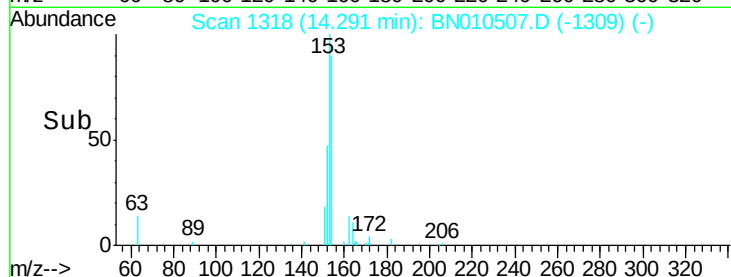
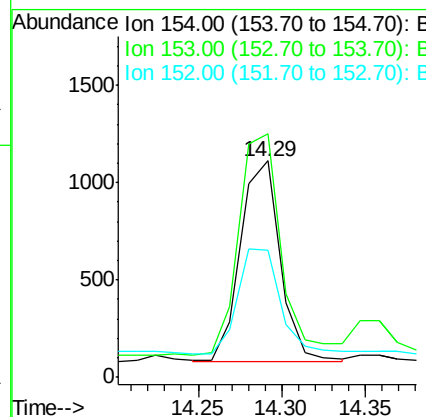
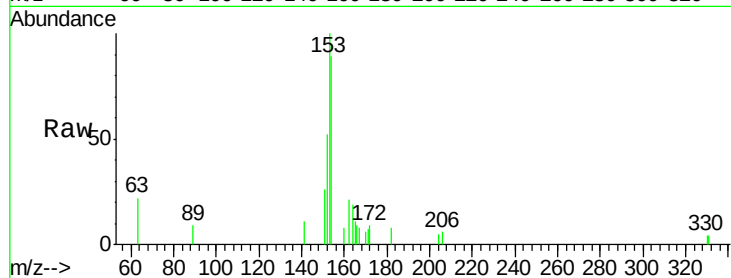
ClientSampleId :

MW-1DRE

Tot Ion:	154	Resp:	1696
Ion	Ratio	Lower	Upper
154	100		
153	119.8	91.0	136.4
152	59.8	44.6	67.0

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#18

Fluorene

Concen: 0.042 ng

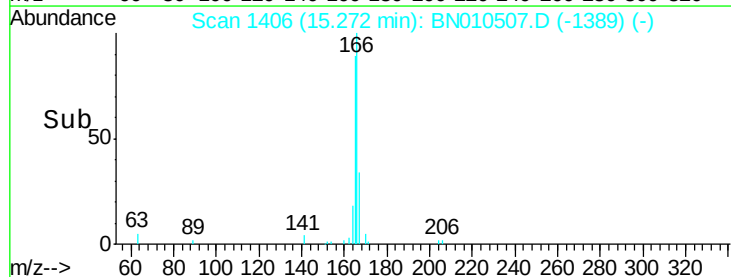
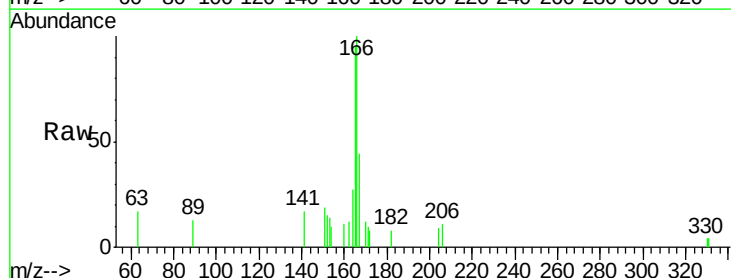
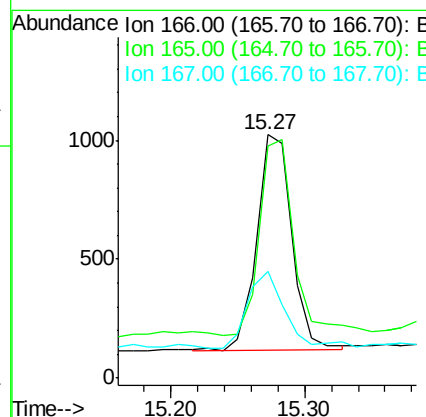
RT: 15.27 min Scan# 1406

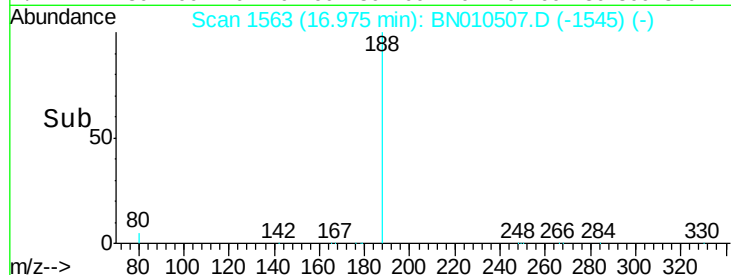
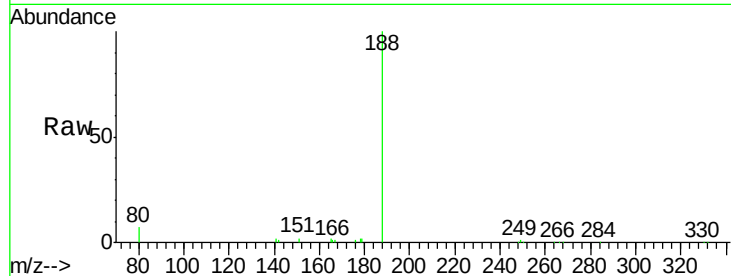
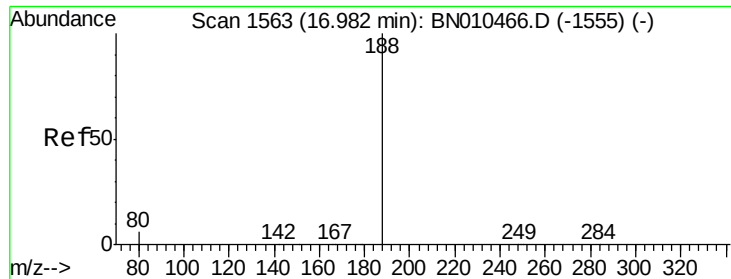
Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Tgt Ion:	166	Resp:	1663
Ion	Ratio	Lower	Upper
166	100		
165	90.9	78.4	117.6
167	37.9	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: BN010507.D

Acq: 15 Apr 2020 14:35

Tot Ion:	188	Resp:	25240
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	6.9	5.0	7.6

Instrument :

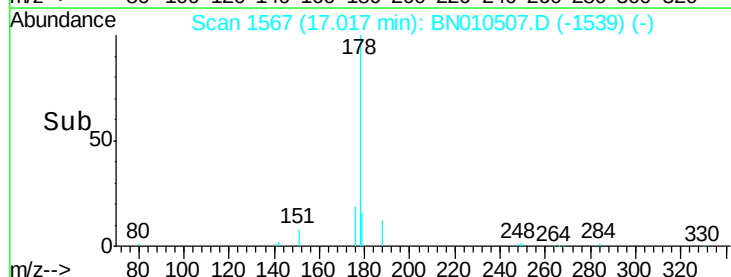
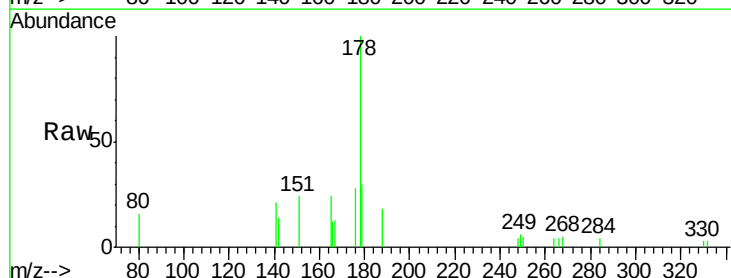
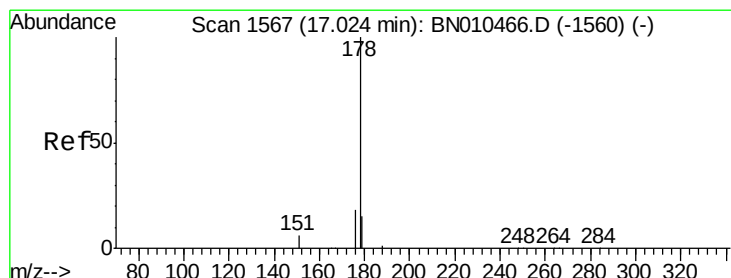
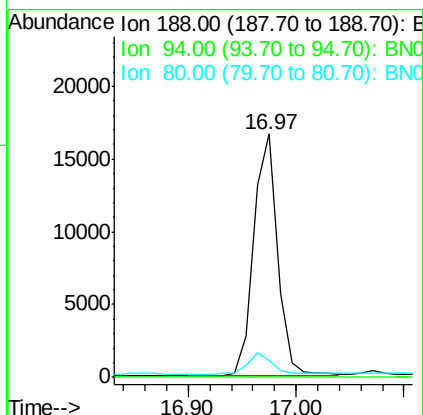
BNA_N

ClientSampleId :

MW-1DRE

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#23

Phenanthrene

Concen: 0.037 ng m

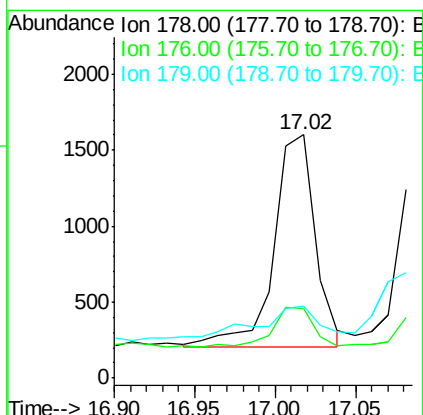
RT: 17.02 min Scan# 1567

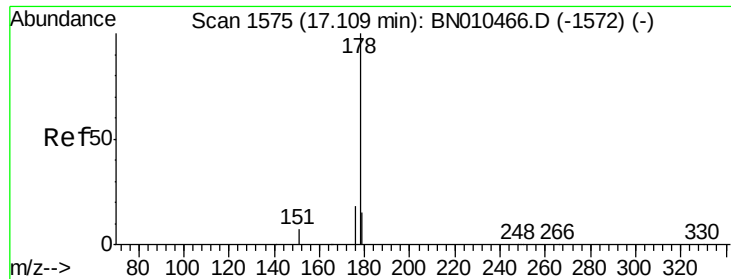
Delta R.T. -0.01 min

Lab File: BN010507.D

Acq: 15 Apr 2020 14:35

Tgt Ion:	178	Resp:	2549
Ion Ratio	Lower	Upper	
178	100		
176	148.1	15.0	22.4#
179	147.3	12.6	18.8#





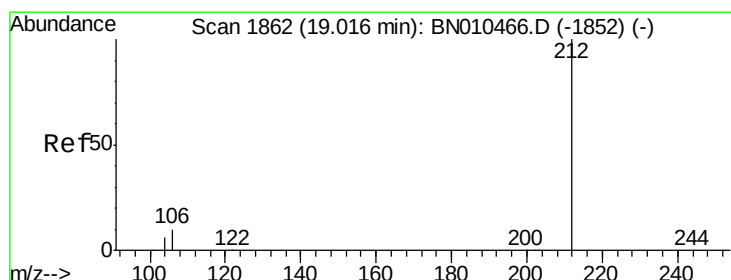
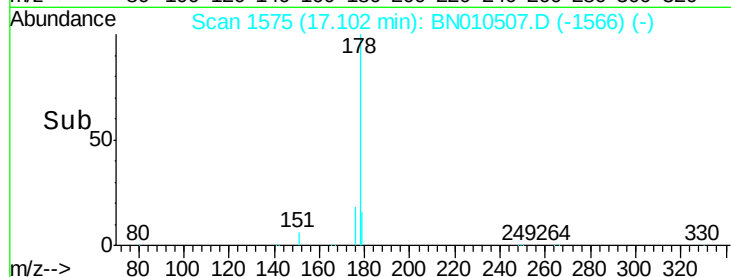
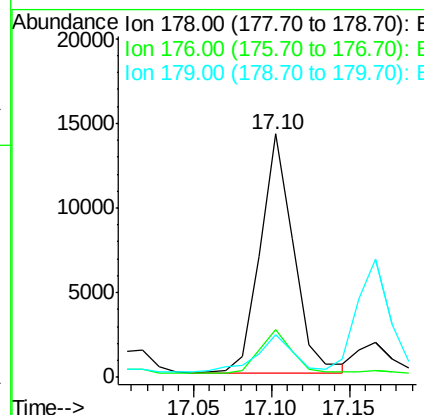
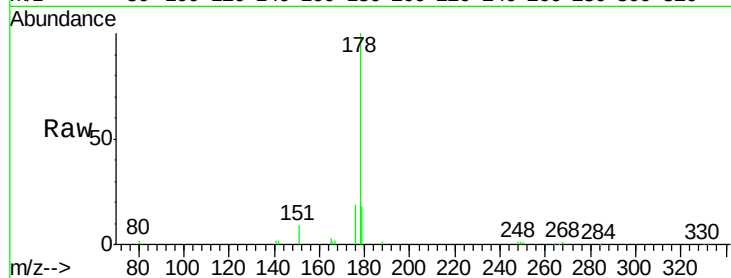
#24
 Anthracene
 Concen: 0.333 ng
 RT: 17.10 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Instrument :
 BNA_N
 ClientSampleId :
 MW-1DRE

Tot Ion:178	Resp:	20764
Ion Ratio	Lower	Upper
178	100	
176	18.2	14.6 21.8
179	18.0	12.2 18.2

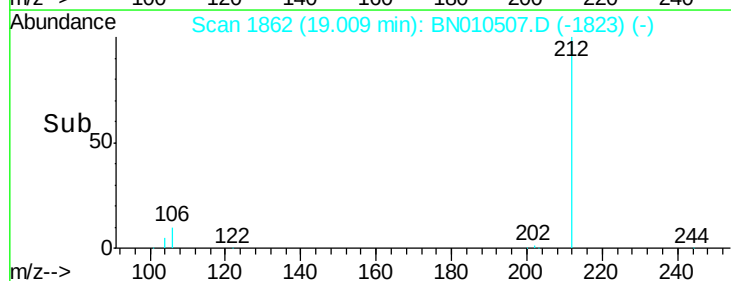
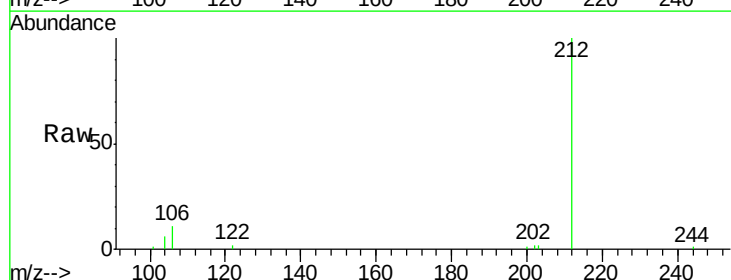
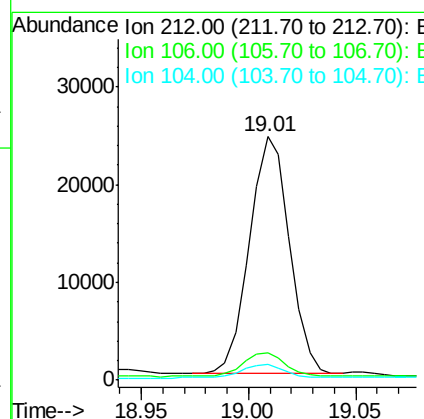
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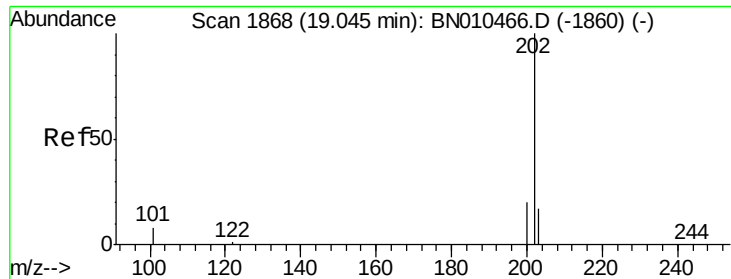
mohammad
 4/17/2020 8:22:07 AM



#25
 Fluoranthene-d10
 Concen: 0.410 ng
 RT: 19.01 min Scan# 1862
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Tgt Ion:212	Resp:	31395
Ion Ratio	Lower	Upper
212	100	
106	10.7	7.8 11.6
104	6.2	4.5 6.7





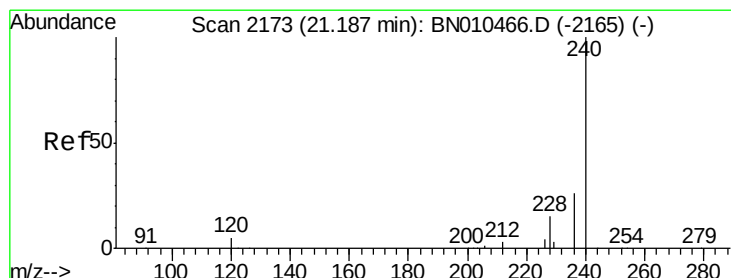
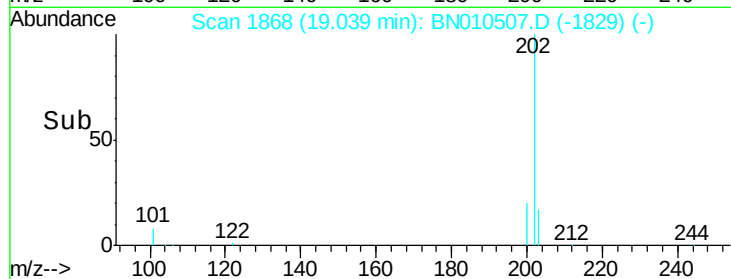
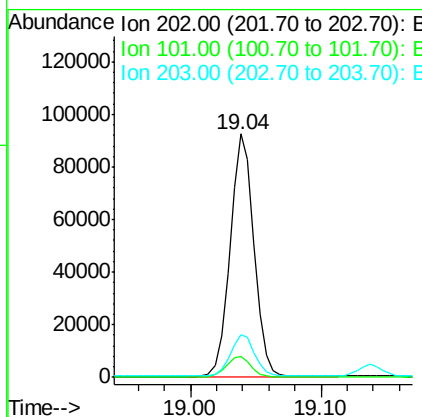
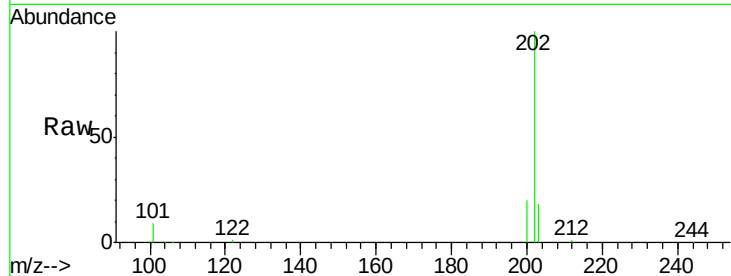
#26
 Fluoranthene
 Concen: 1.385 ng
 RT: 19.04 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Instrument :
 BNA_N
 ClientSampleId :
 MW-1DRE

Tot Ion	Ratio	Resp	Lower	Upper
202	100	117483		
101	8.5		6.9	10.3
203	17.3		13.9	20.9

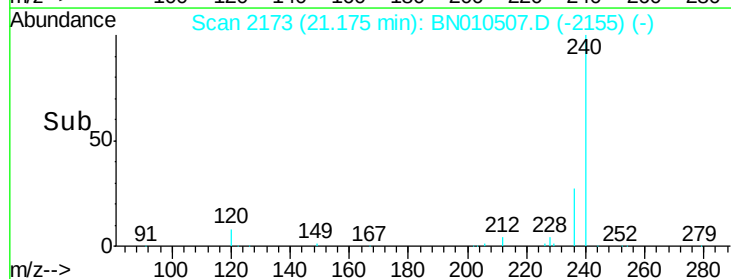
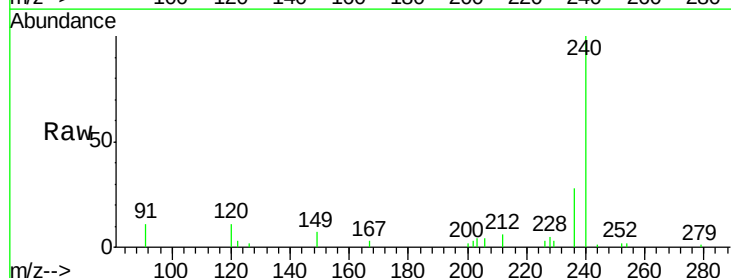
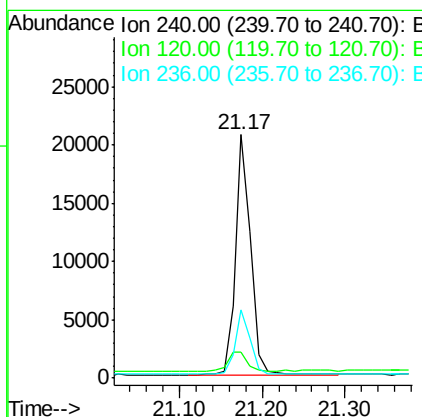
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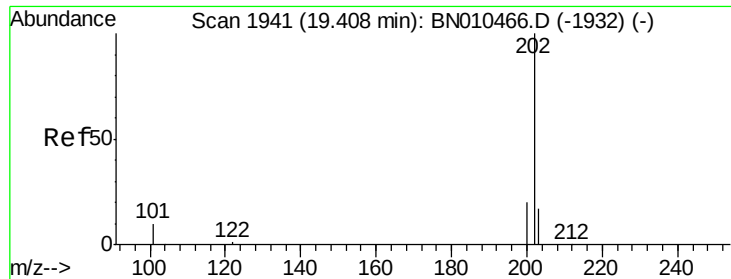
mohammad
 4/17/2020 8:22:07 AM



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.17 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	26723		
120	10.7		4.8	7.2#
236	28.1		21.4	32.0





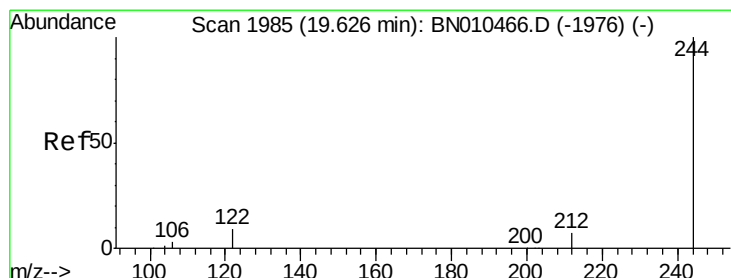
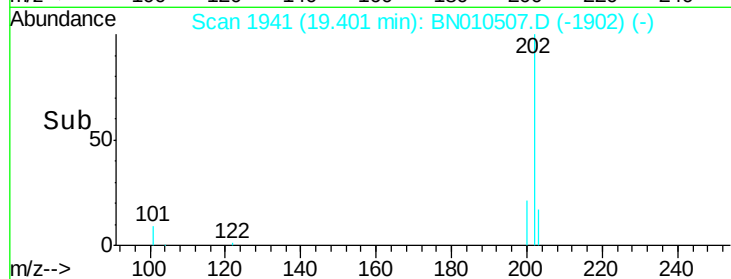
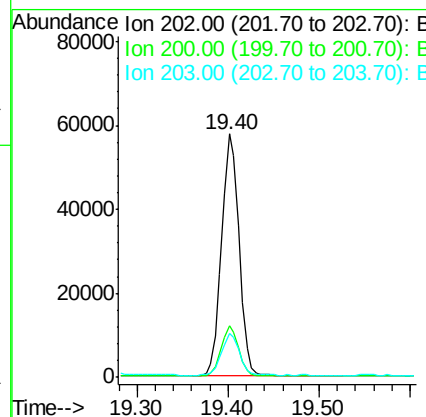
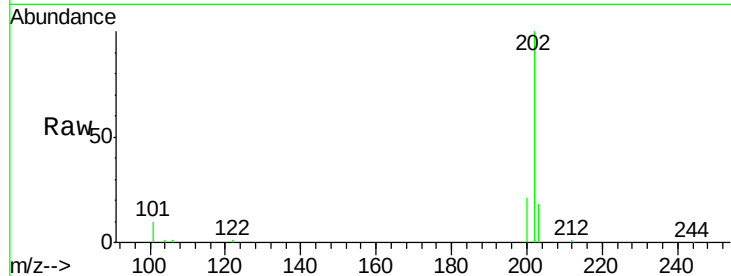
#28
Pvrene
Concen: 0.841 ng
RT: 19.40 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Instrument :
BNA_N
ClientSampleId :
MW-1DRE

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	17.7	14.0	21.0

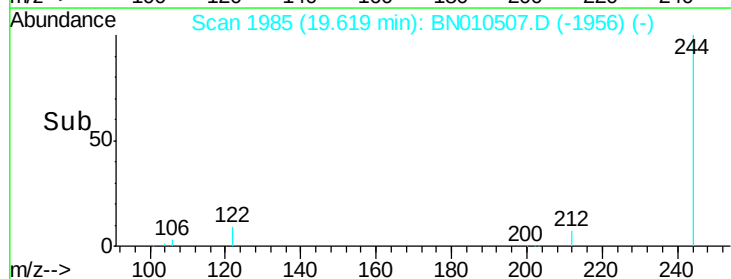
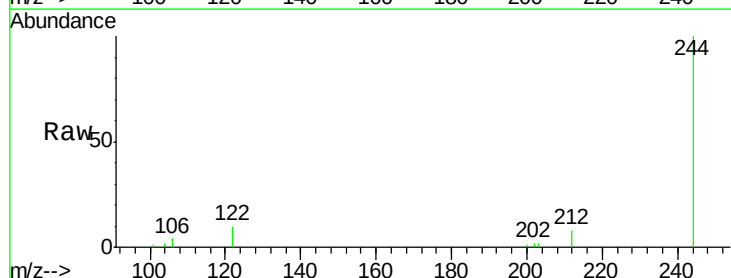
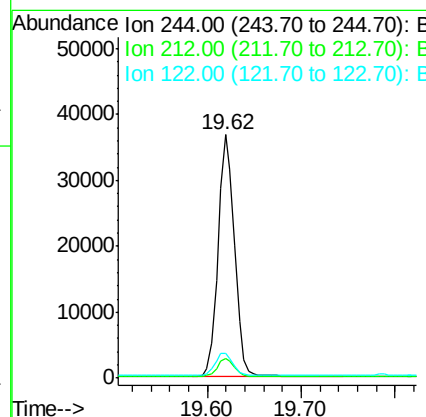
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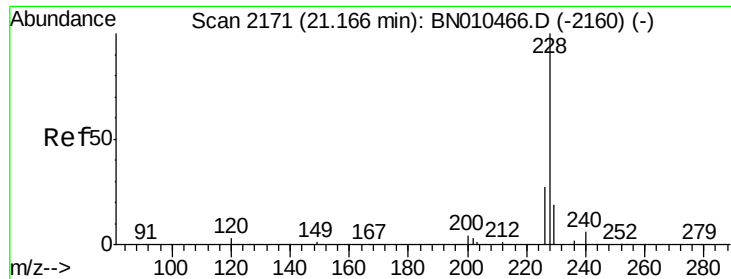
mohammad
4/17/2020 8:22:07 AM



#29
Terphenyl-d14
Concen: 0.736 ng
RT: 19.62 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	10.3	7.8	11.8





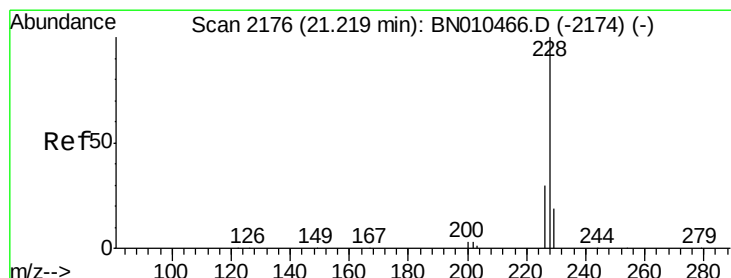
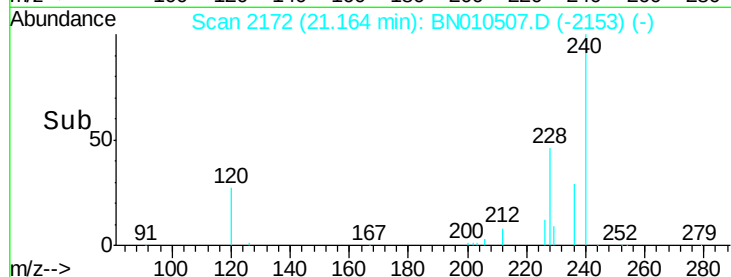
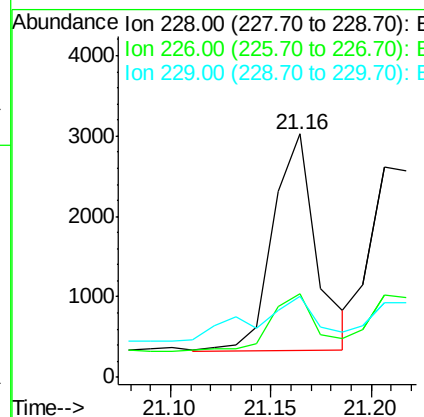
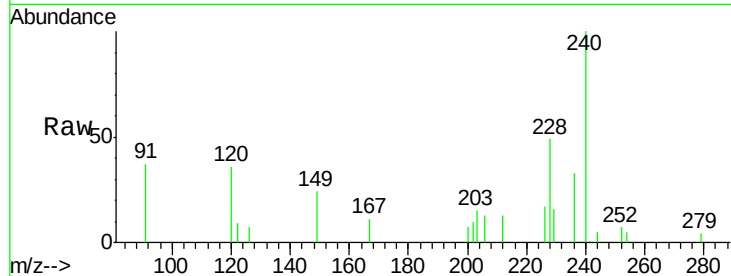
#30
Benzo(a)anthracene
Concen: 0.046 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Instrument :
BNA_N
ClientSampleId :
MW-1DRE

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	34.2	21.7	32.5#	
229	33.3	15.6	23.4#	

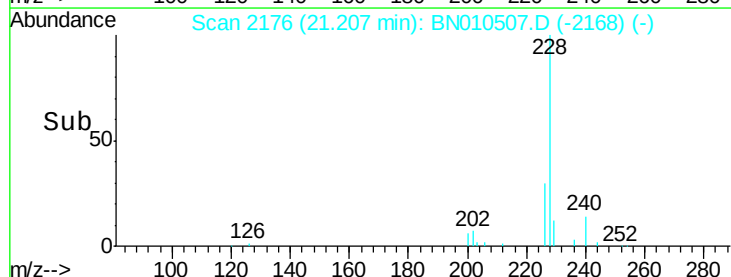
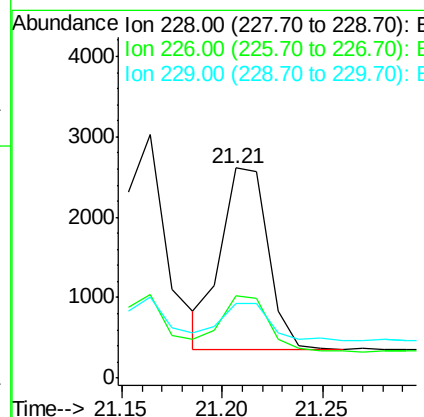
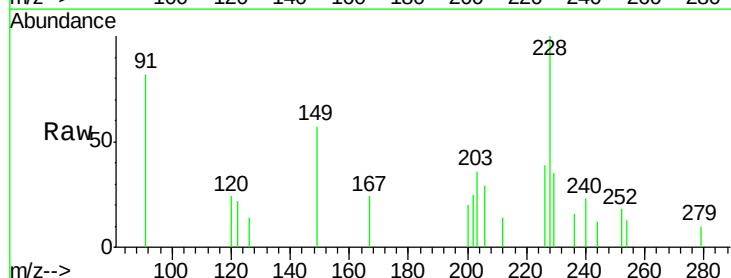
Manual Integrations
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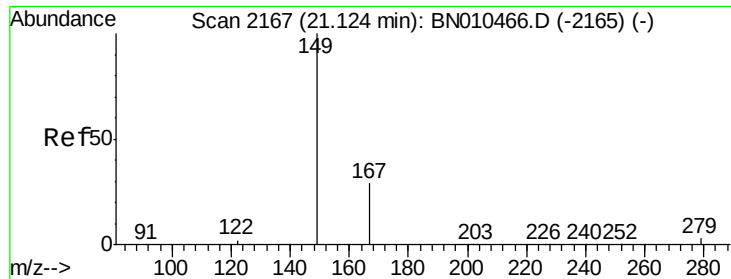
mohammad
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#31
Chrysene
Concen: 0.043 ng
RT: 21.21 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	39.1	24.0	36.0#	
229	35.3	15.8	23.6#	





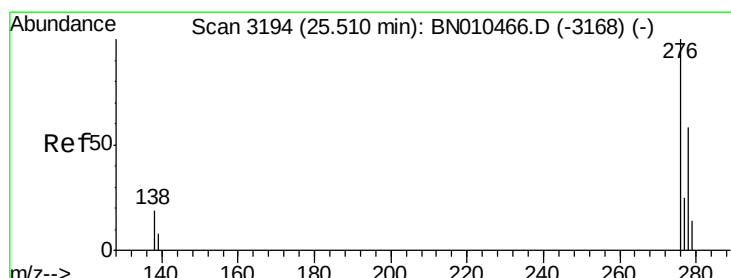
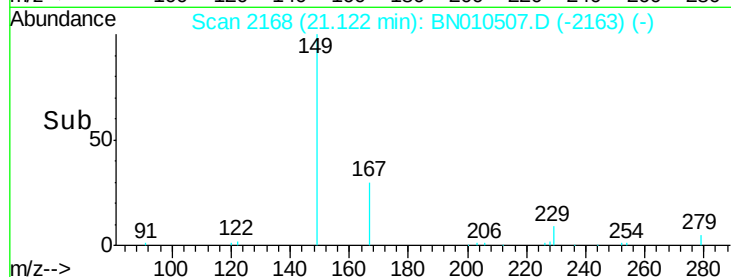
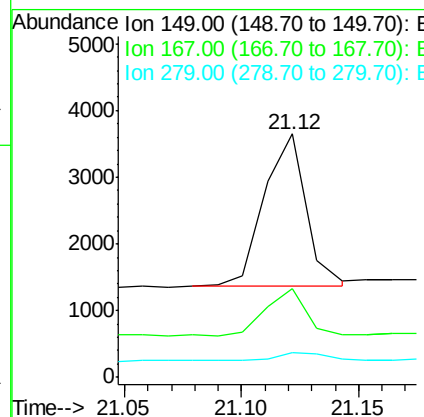
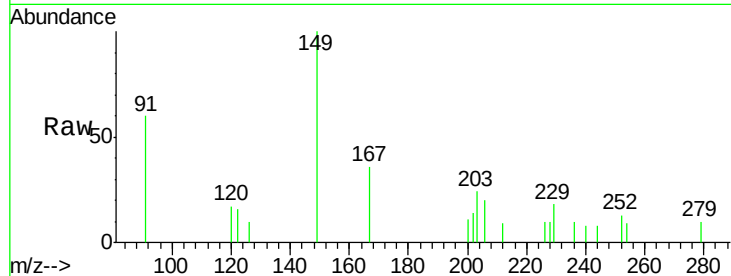
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.064 ng
 RT: 21.12 min Scan# 2168
 Delta R.T. -0.00 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Instrument :
 BNA_N
 ClientSampleID :
 MW-1DRE

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.9	23.4	35.0
279	5.4	4.0	6.0

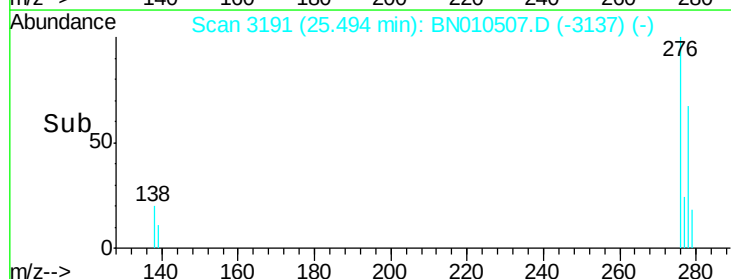
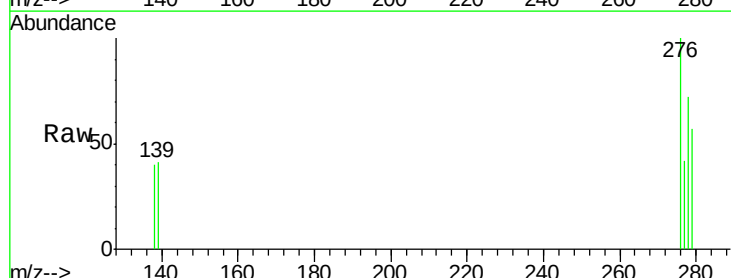
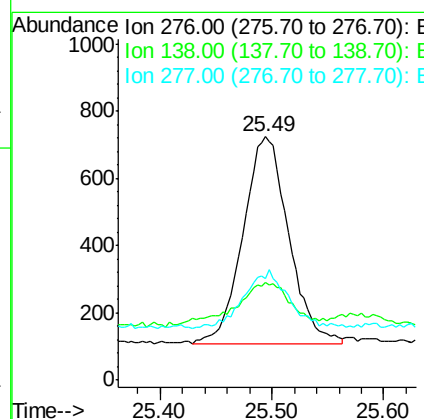
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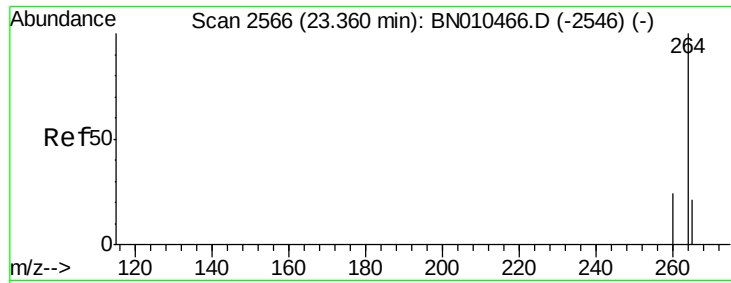
mohammad
 4/17/2020 8:22:07 AM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.023 ng
 RT: 25.49 min Scan# 3191
 Delta R.T. -0.02 min
 Lab File: BN010507.D
 Acq: 15 Apr 2020 14:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.8	16.4	24.6
277	27.4	19.8	29.6





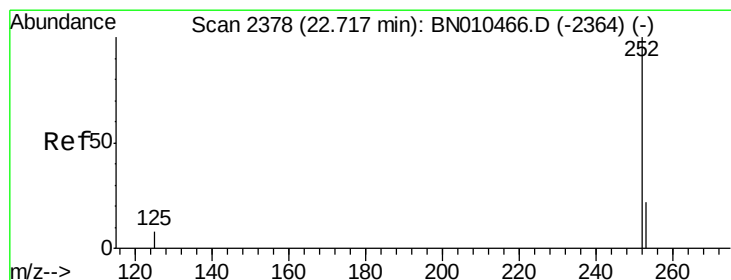
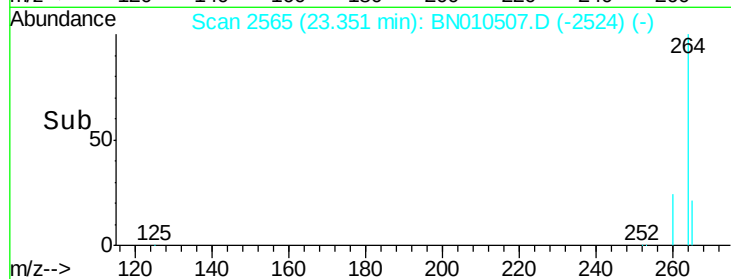
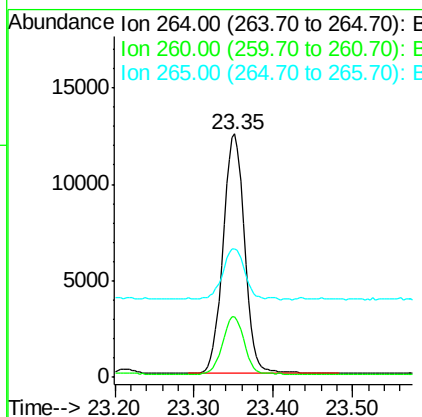
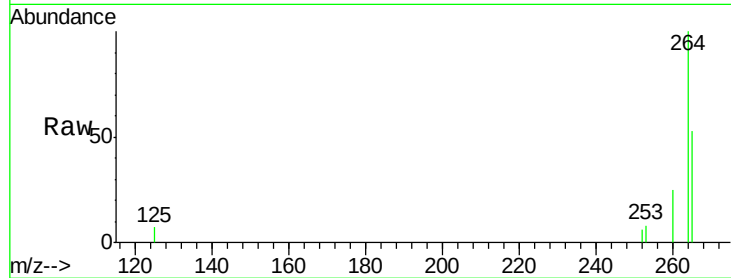
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2565
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Instrument :
BNA_N
ClientSampleId :
MW-1DRE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.8	29.8
265	52.8	42.3	63.5

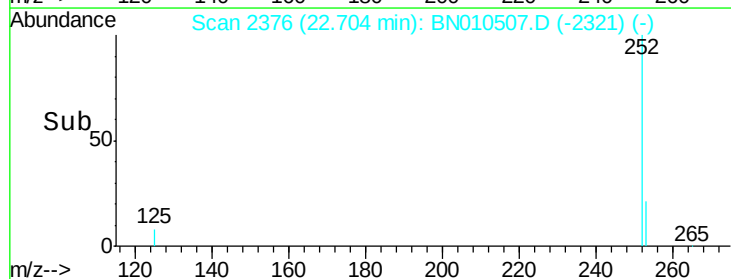
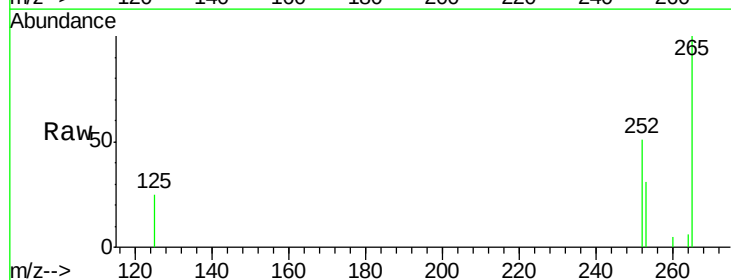
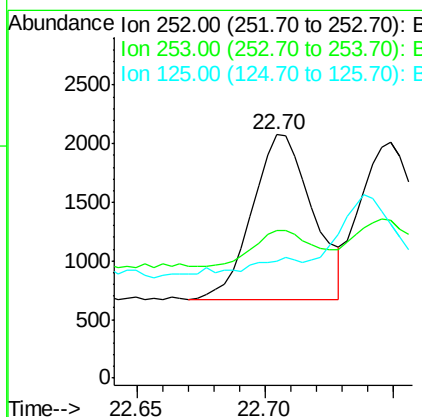
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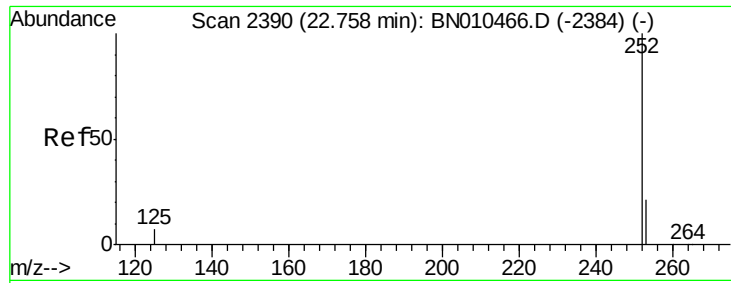
mohammad
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#35
Benzo(b)fluoranthene
Concen: 0.030 ng
RT: 22.70 min Scan# 2376
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	60.9	20.2	30.4#
125	48.1	9.2	13.8#





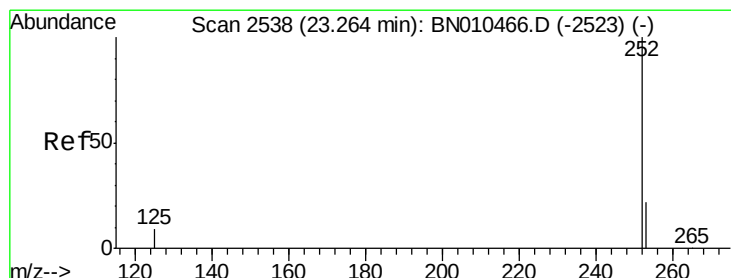
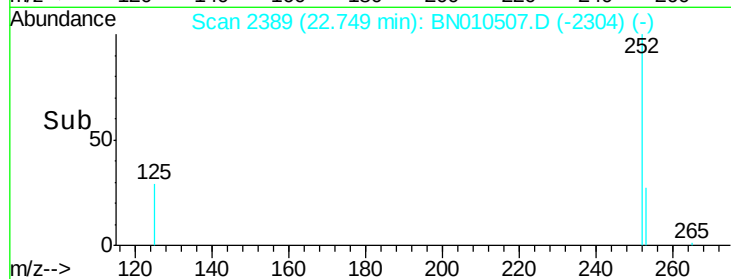
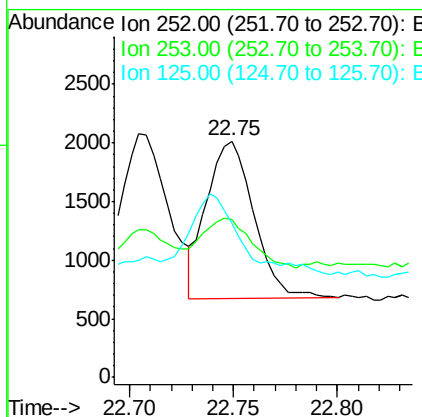
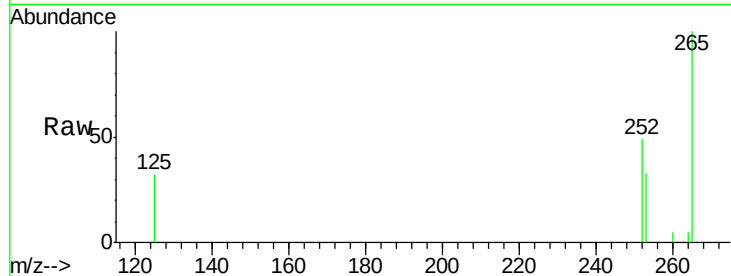
#36
Benzo(k)fluoranthene
Concen: 0.027 ng
RT: 22.75 min Scan# 2389
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Instrument :
BNA_N
ClientSampleId :
MW-1DRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	66.6	20.1	30.1#
125	65.3	9.6	14.4#

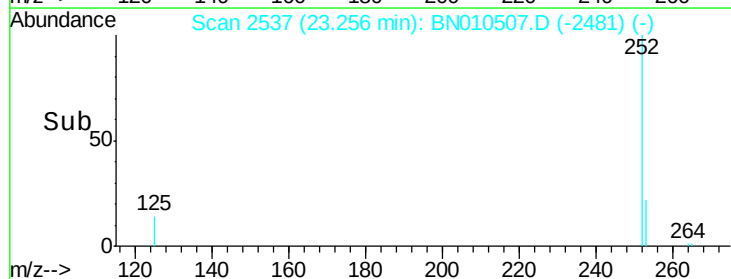
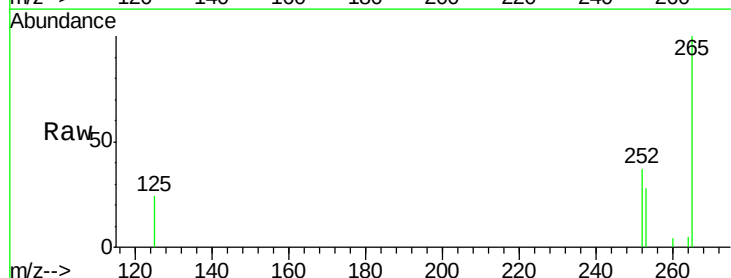
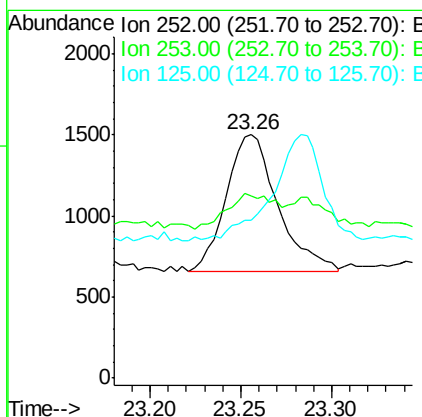
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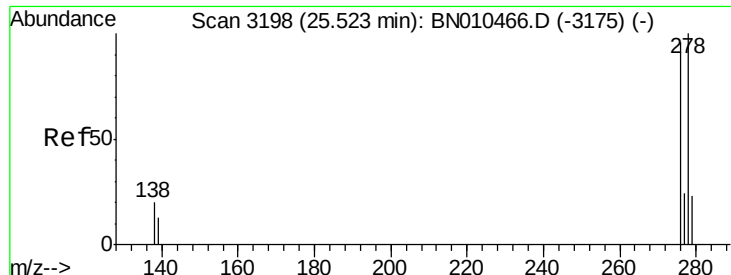
mohammad
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#37
Benzo(a)pyrene
Concen: 0.024 ng
RT: 23.26 min Scan# 2537
Delta R.T. -0.01 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	75.0	21.8	32.8#
125	64.8	11.0	16.6#





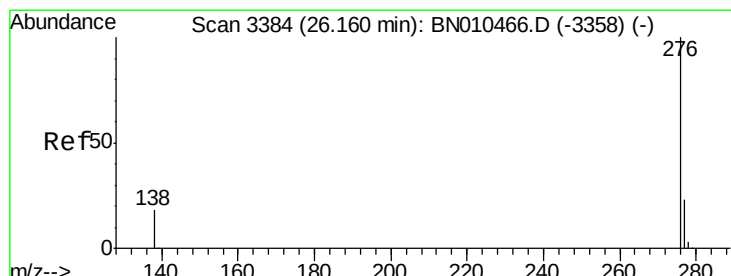
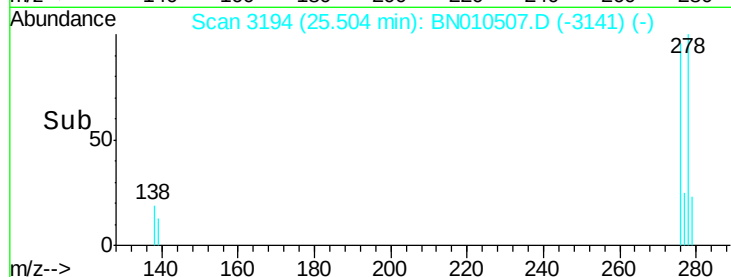
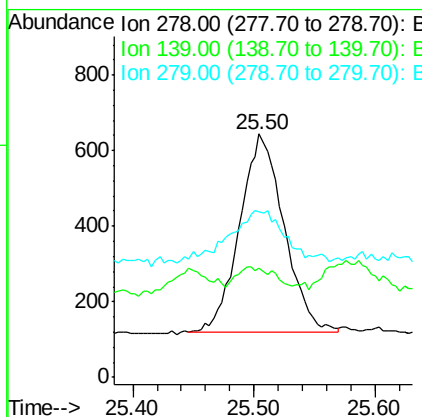
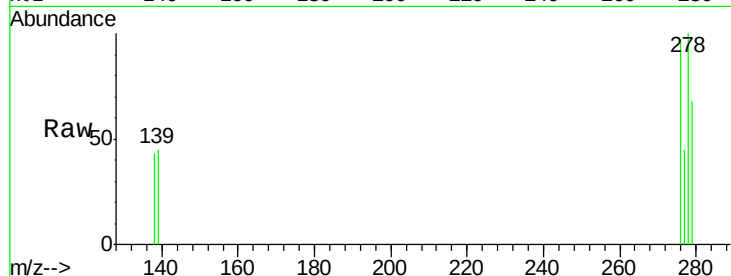
#38
Dibenzo(a,h)anthracene
Concen: 0.021 ng
RT: 25.50 min Scan# 3194
Delta R.T. -0.02 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Instrument :
BNA_N
ClientSampleId :
MW-1DRE

Tot Ion	Ratio	Lower	Upper
278	100		
139	44.9	12.3	18.5#
279	68.0	21.9	32.9#

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#39
Benzo(g,h,i)perylene
Concen: 0.027 ng
RT: 26.14 min Scan# 3381
Delta R.T. -0.02 min
Lab File: BN010507.D
Acq: 15 Apr 2020 14:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	42.4	20.2	30.2#
138	38.7	15.4	23.2#

